

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092518\
 Data File : VD060089.D
 Acq On : 25 Sep 2018 13:17
 Operator : VA/AP
 Sample : VD0925SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Quant Time: Sep 25 14:41:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1558954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2119217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1718991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	922140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	620539	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	6.30	113	863642	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	9.44	98	2326212	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.42	95	914255	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	279218	16.968	ug/l	100
3) Chloromethane	1.75	50	302886	20.837	ug/l	99
4) Vinyl Chloride	1.84	62	246674	21.110	ug/l	99
5) Bromomethane	2.12	94	20675	14.947	ug/l	88
6) Chloroethane	2.23	64	55728	21.332	ug/l	93
7) Trichlorofluoromethane	2.49	101	268745	20.889	ug/l	99
8) Diethyl Ether	2.81	74	59568	21.781	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	183220	22.585	ug/l	98
10) Methyl Iodide	3.22	142	171515	19.962	ug/l	99
11) Tert butyl alcohol	3.95	59	78288	79.807	ug/l	98
12) 1,1-Dichloroethene	3.06	96	143423	22.359	ug/l	88
13) Acrolein	2.97	56	49569	81.598	ug/l	89
14) Allyl chloride	3.51	41	297588	21.999	ug/l	96
15) Acrylonitrile	4.06	53	369430	99.768	ug/l	99
16) Acetone	3.15	43	289164	123.195	ug/l	100
17) Carbon Disulfide	3.29	76	451008	20.407	ug/l	98
18) Methyl Acetate	3.53	43	108822	22.797	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	592424	19.989	ug/l	97
20) Methylene Chloride	3.70	84	421214	21.047	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	334329	19.862	ug/l	94
22) Diisopropyl ether	4.83	45	1238664	20.074	ug/l	94
23) Vinyl Acetate	4.78	43	3583473	102.508	ug/l	99
24) 1,1-Dichloroethane	4.73	63	565442	20.420	ug/l	99
25) 2-Butanone	5.60	43	706613	111.561	ug/l	99
26) 2,2-Dichloropropane	5.57	77	443432	20.598	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	363881	20.666	ug/l	97
28) Bromochloromethane	5.90	49	271853	20.424	ug/l	97
29) Tetrahydrofuran	5.93	42	326083	95.998	ug/l	100
30) Chloroform	6.08	83	585909	20.864	ug/l	99
31) Cyclohexane	6.34	56	523858	19.403	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	462676	19.865	ug/l	96
36) 1,1-Dichloropropene	6.50	75	432947	20.566	ug/l	98
37) Ethyl Acetate	5.67	43	287093	19.832	ug/l	97
38) Carbon Tetrachloride	6.48	117	393081	20.003	ug/l	97

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 Data File : VD060089.D
 Acq On : 25 Sep 2018 13:17
 Operator : VA/AP
 Sample : VD0925SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBSD01

Quant Time: Sep 25 14:41:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	491826	20.653	ug/l	99
40) Benzene	6.78	78	1119809	20.871	ug/l	99
41) Methacrylonitrile	5.92	41	322145	42.487	ug/l #	90
42) 1,2-Dichloroethane	6.88	62	319271	19.818	ug/l	100
43) Isopropyl Acetate	8.33	43	378264	19.516	ug/l #	98
44) Trichloroethene	7.72	130	336632	20.307	ug/l	98
45) 1,2-Dichloropropane	8.09	63	300215	20.925	ug/l	98
46) Dibromomethane	8.19	93	192489	20.563	ug/l	96
47) Bromodichloromethane	8.47	83	409617	20.296	ug/l	99
48) Methyl methacrylate	8.23	41	214716	19.890	ug/l	97
49) 1,4-Dioxane	8.21	88	39291	366.457	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	1540704	108.833	ug/l	99
52) Toluene	9.53	92	732922	21.311	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	365458	19.415	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	462421	20.561	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	239407	20.050	ug/l	98
56) Ethyl methacrylate	10.01	69	271290	20.483	ug/l	97
57) 1,3-Dichloropropane	10.37	76	371330	21.067	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	711342	111.223	ug/l	95
59) 2-Hexanone	10.48	43	1119109	109.893	ug/l	100
60) Dibromochloromethane	10.62	129	295599	20.339	ug/l	96
61) 1,2-Dibromoethane	10.74	107	254677	20.657	ug/l	95
64) Tetrachloroethene	10.24	164	321048	21.168	ug/l	98
65) Chlorobenzene	11.30	112	812449	21.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	281827	22.609	ug/l	99
67) Ethyl Benzene	11.42	91	1387164	23.323	ug/l	100
68) m/p-Xylenes	11.56	106	1011389	46.045	ug/l	95
69) o-Xylene	11.92	106	460268	21.148	ug/l	96
70) Styrene	11.94	104	792478	21.655	ug/l	95
71) Bromoform	12.11	173	207967	19.419	ug/l	98
73) Isopropylbenzene	12.27	105	1312828	21.707	ug/l	99
74) N-amyl acetate	12.13	43	488024	20.372	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	280161	20.420	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	286760	20.361	ug/l	100
77) Bromobenzene	12.53	156	369454	21.207	ug/l	96
78) n-propylbenzene	12.63	91	1580741	20.785	ug/l	99
79) 2-Chlorotoluene	12.70	91	904573	21.073	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	1065347	22.982	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	77993	18.346	ug/l	99
82) 4-Chlorotoluene	12.80	91	1076044	22.801	ug/l	100
83) tert-Butylbenzene	13.04	119	1177772	21.932	ug/l	92
84) 1,2,4-Trimethylbenzene	13.08	105	1097715	22.191	ug/l	100
85) sec-Butylbenzene	13.21	105	1385655	21.737	ug/l	100
86) p-Isopropyltoluene	13.33	119	1156838	22.437	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	657772	21.712	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	666901	21.703	ug/l	96
89) n-Butylbenzene	13.64	91	1198428	21.683	ug/l	96
90) Hexachloroethane	13.85	117	257202	20.141	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	589525	21.127	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	37436	17.899	ug/l	94

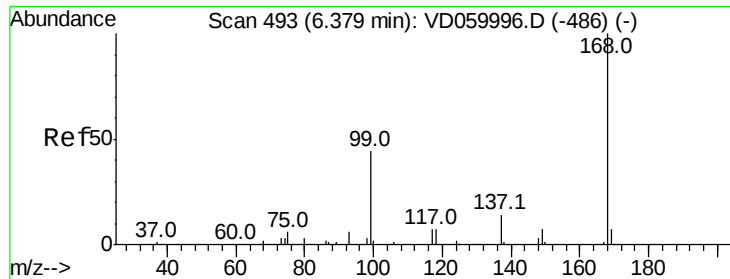
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092518\
Data File : VD060089.D
Acq On : 25 Sep 2018 13:17
Operator : VA/AP
Sample : VD0925SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Quant Time: Sep 25 14:41:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	472473	21.885	ug/l	97
94) Hexachlorobutadiene	14.88	225	316616	22.171	ug/l	99
95) Naphthalene	14.96	128	671394	20.137	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	388718	20.432	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

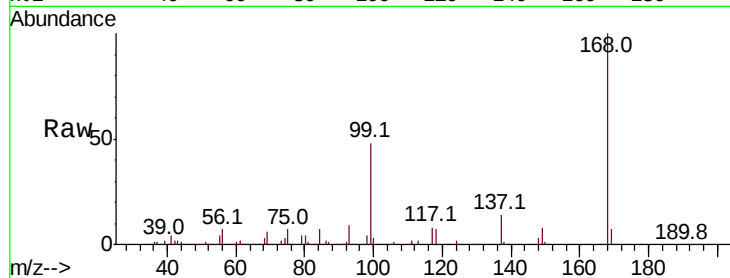
VD0925SBSD01

Tot Ion:168 Resp: 1558954

Ion Ratio Lower Upper

168 100

99 48.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

600000

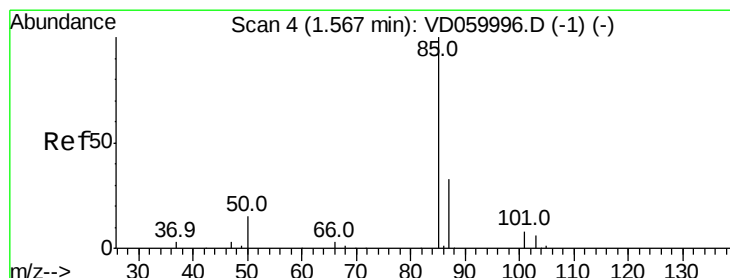
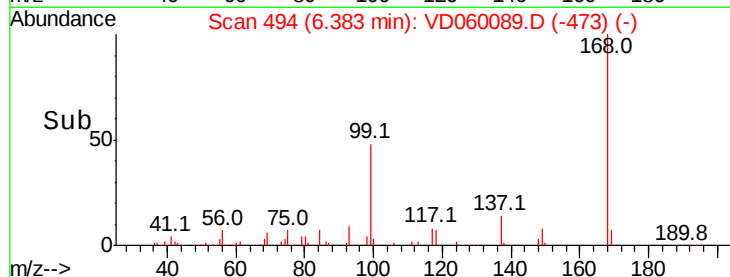
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 16.968 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.00 min

Lab File: VD060089.D

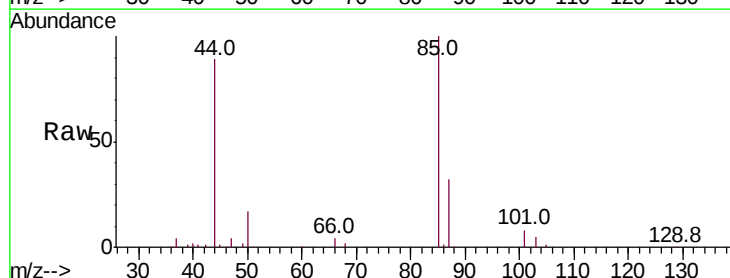
Acq: 25 Sep 2018 13:17

Tgt Ion: 85 Resp: 279218

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

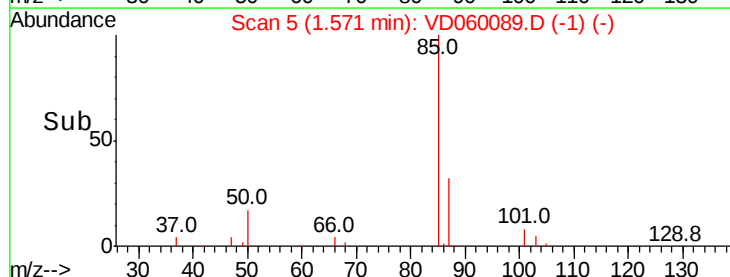
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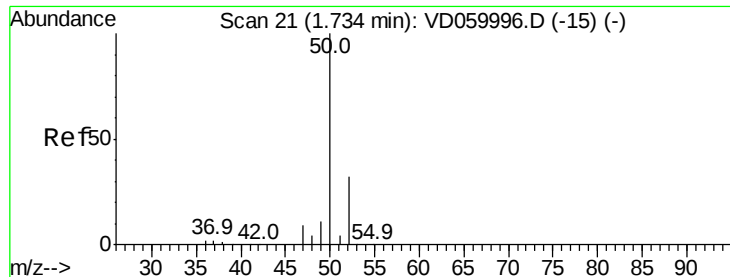
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 20.837 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

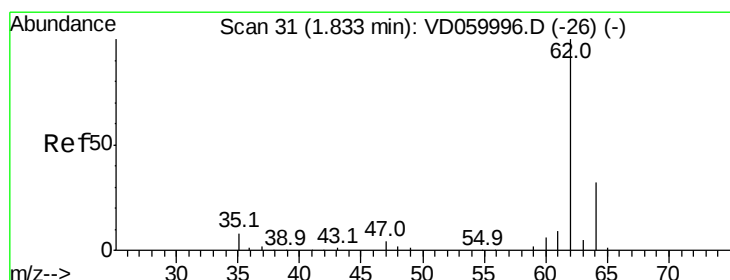
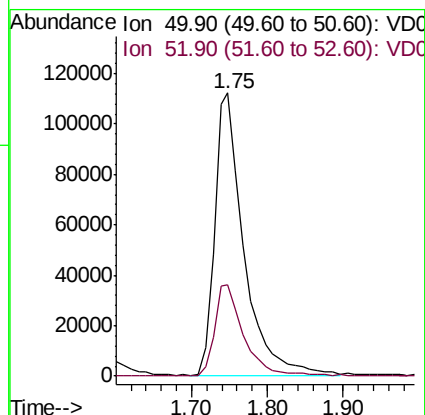
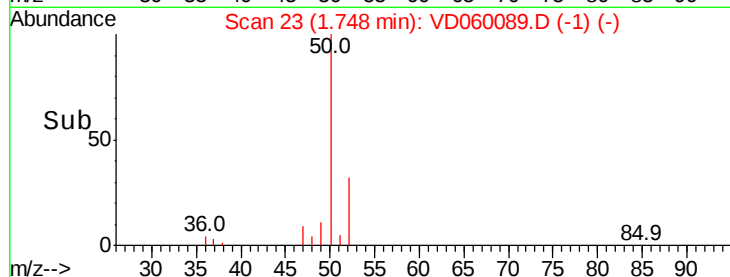
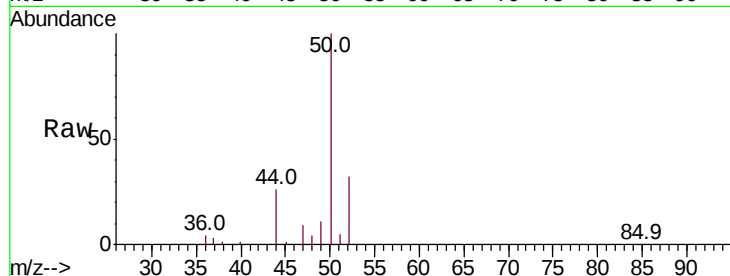
VD0925SBSD01

Tot Ion: 50 Resp: 302886

Ion Ratio Lower Upper

50 100

52 32.4 25.4 38.2



#4

Vinyl Chloride

Concen: 21.110 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD060089.D

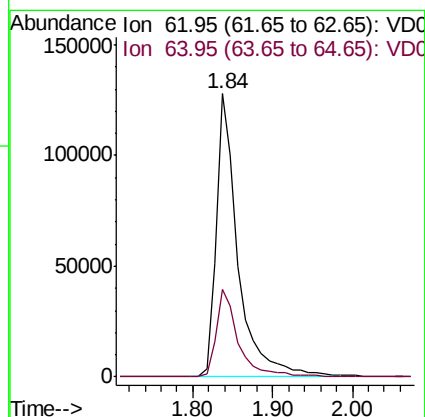
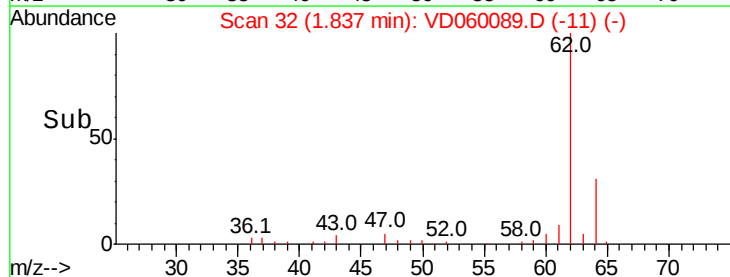
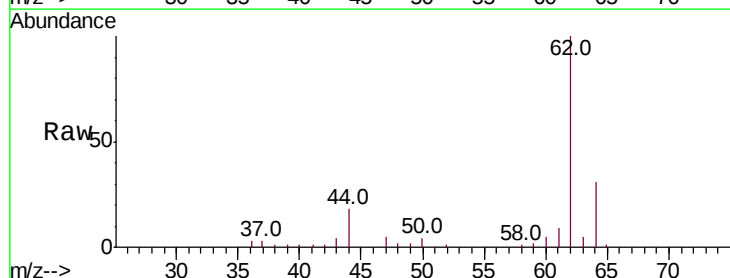
Acq: 25 Sep 2018 13:17

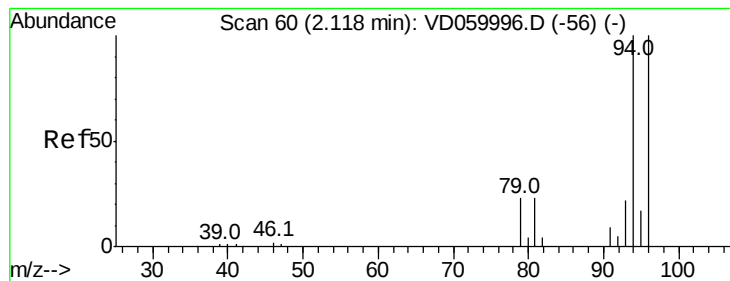
Tgt Ion: 62 Resp: 246674

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3





#5

Bromomethane

Concen: 14.947 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

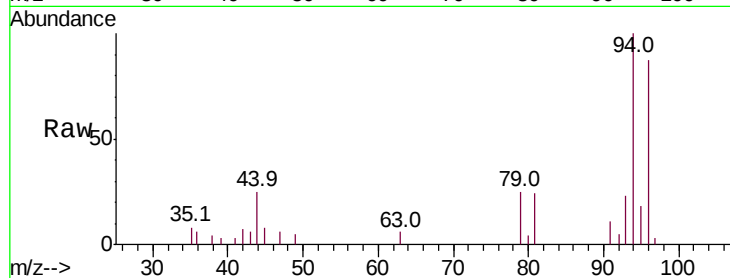
VD0925SBSD01

Tot Ion: 94 Resp: 20675

Ion Ratio Lower Upper

94 100

96 87.3 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.12

15000

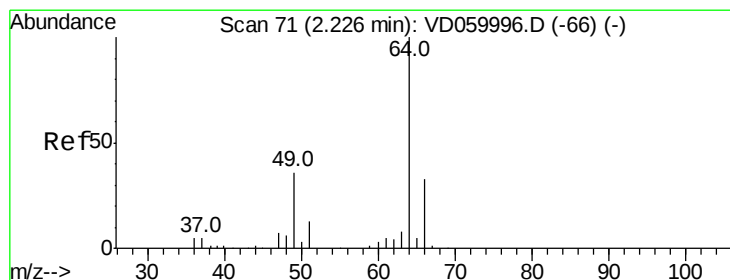
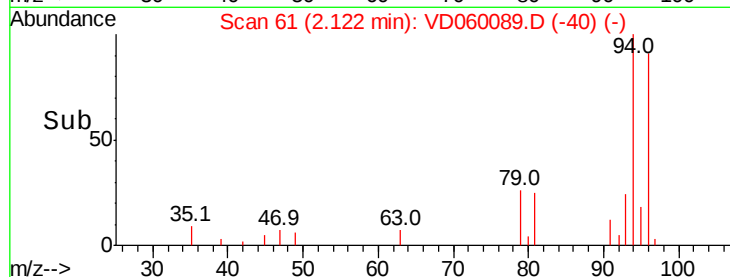
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5000

0

Time-->

2.05 2.10 2.15 2.20



#6

Chloroethane

Concen: 21.332 ug/l

RT: 2.23 min Scan# 72

Delta R.T. 0.00 min

Lab File: VD060089.D

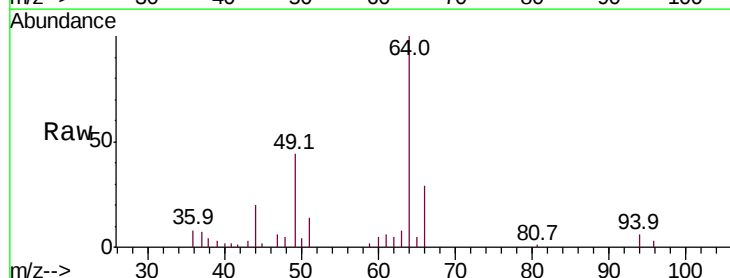
Acq: 25 Sep 2018 13:17

Tgt Ion: 64 Resp: 55728

Ion Ratio Lower Upper

64 100

66 29.1 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.23

25000

20000

15000

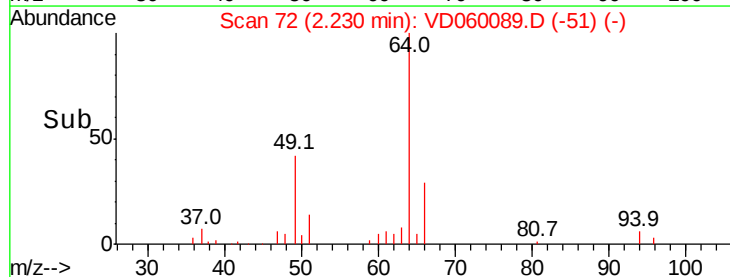
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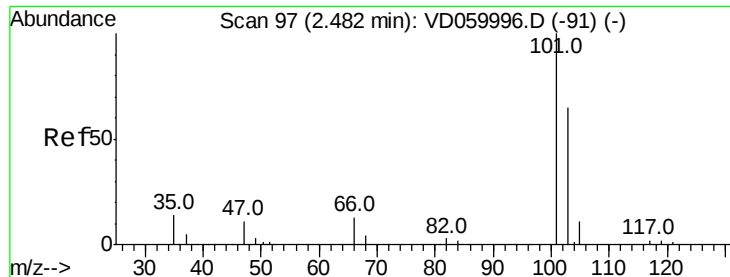
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Time-->

2.10 2.20 2.30 2.40



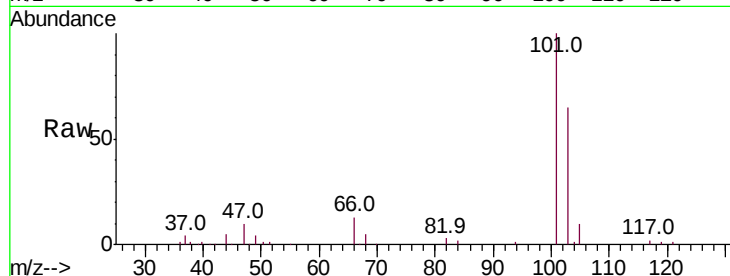


#7

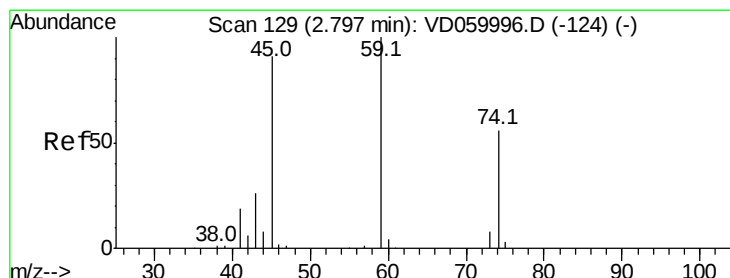
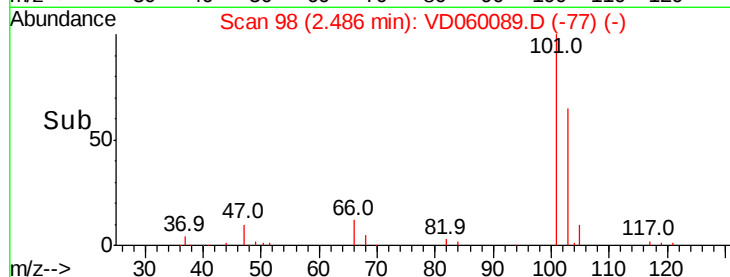
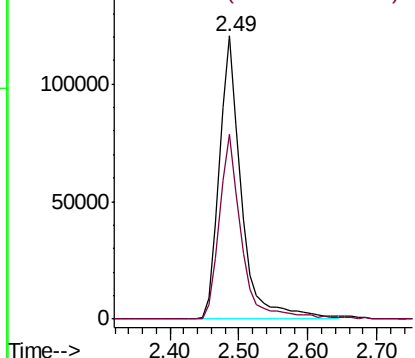
Trichlorofluoromethane
 Concen: 20.889 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBSD01

Tot Ion:101 Resp: 268745
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.6 77.4



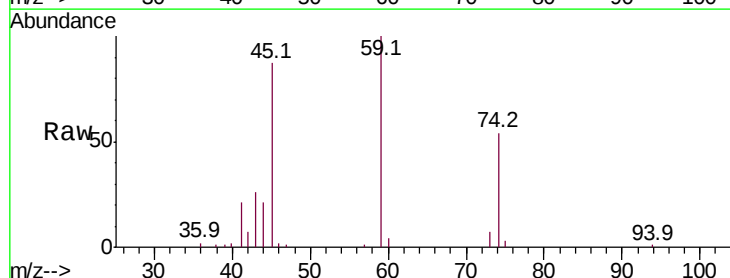
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



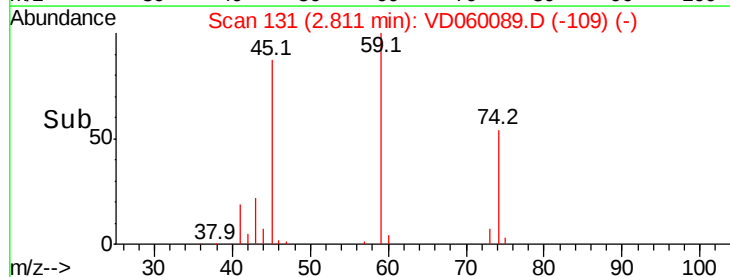
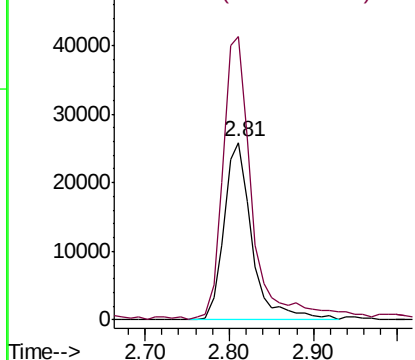
#8

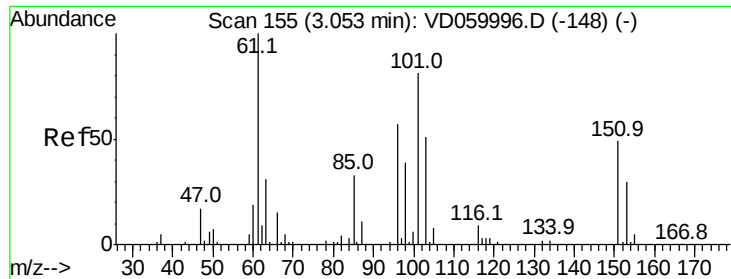
Diethyl Ether
 Concen: 21.781 ug/l
 RT: 2.81 min Scan# 131
 Delta R.T. 0.01 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion: 74 Resp: 59568
 Ion Ratio Lower Upper
 74 100
 45 159.5 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.585 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

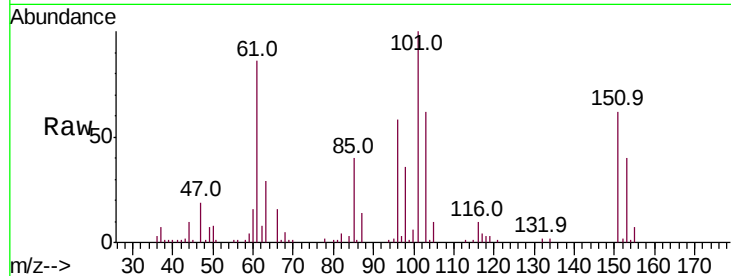
Tot Ion:101 Resp: 183220

Ion Ratio Lower Upper

101 100

85 39.6 33.1 49.7

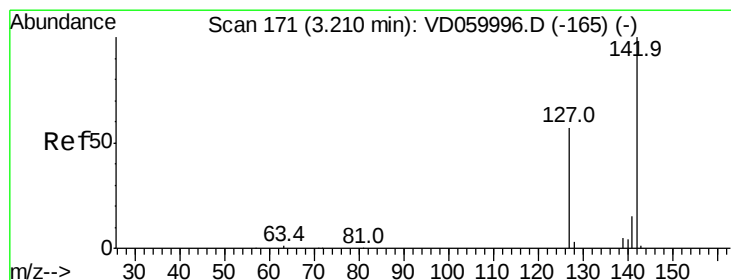
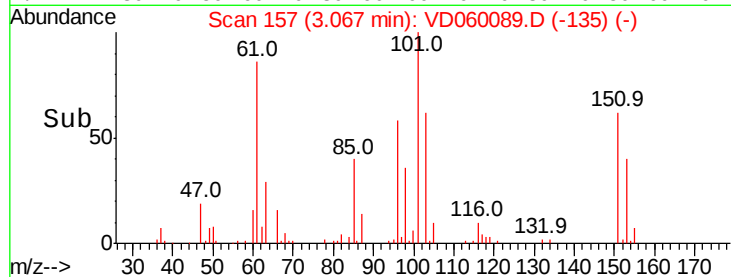
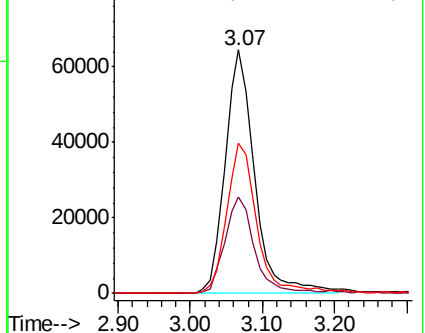
151 61.9 48.2 72.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.962 ug/l

RT: 3.22 min Scan# 173

Delta R.T. 0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

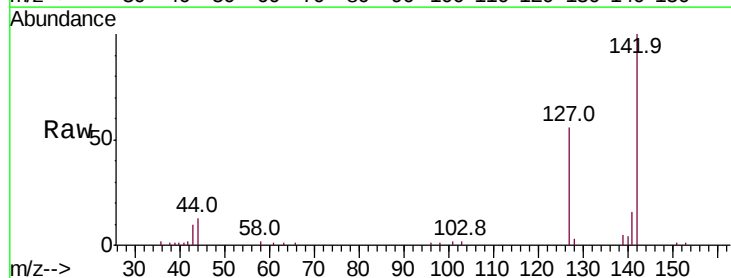
Tgt Ion:142 Resp: 171515

Ion Ratio Lower Upper

142 100

127 56.3 45.8 68.8

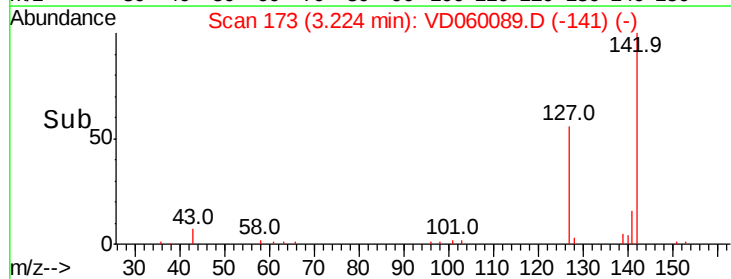
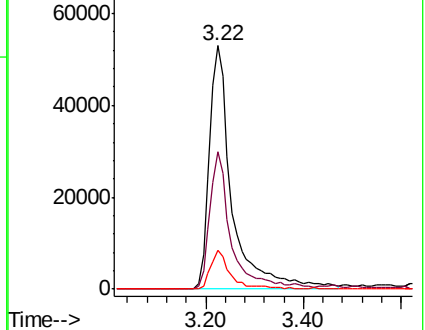
141 15.7 12.2 18.4

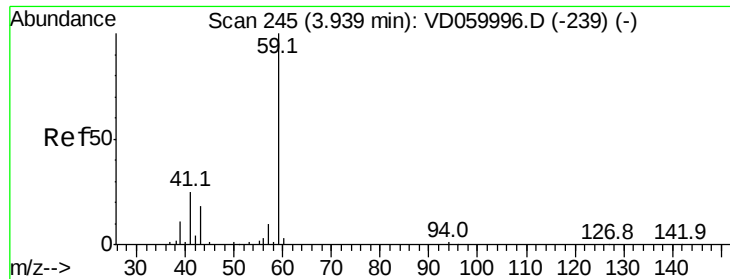


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



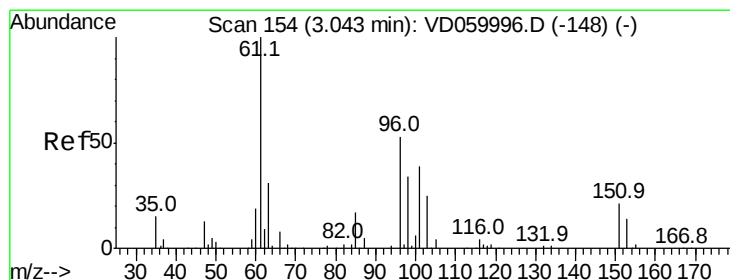
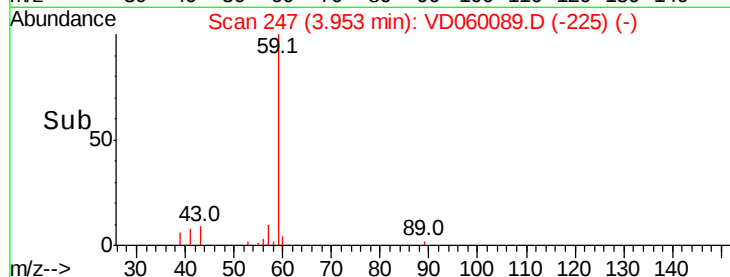
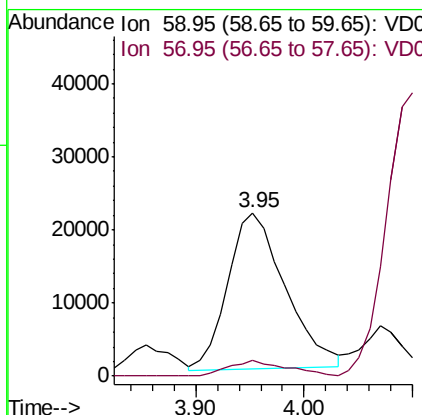
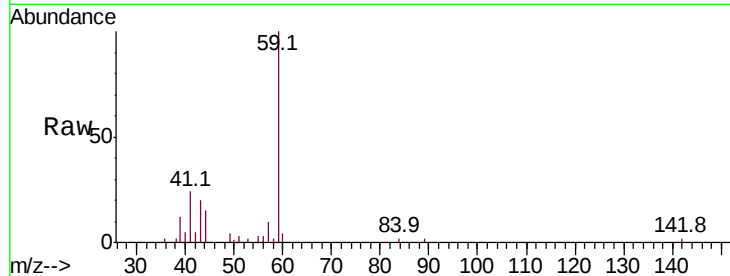


#11

Tert butyl alcohol
Concen: 79.807 ug/l
RT: 3.95 min Scan# 247
Delta R.T. 0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

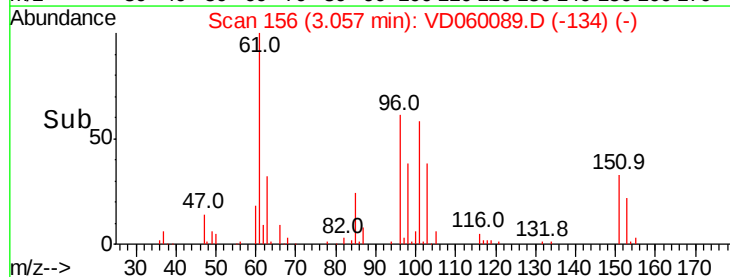
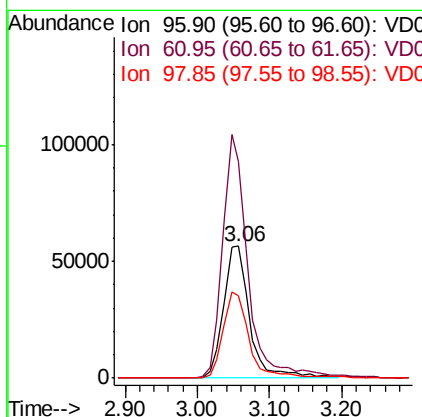
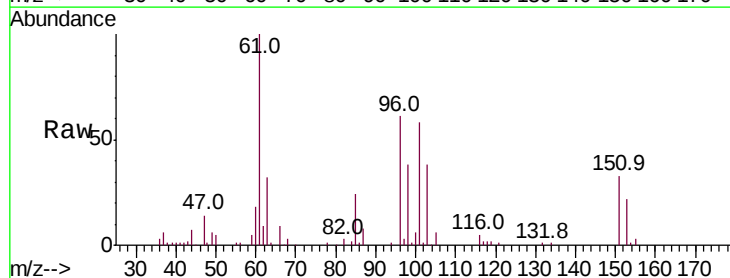
Tot Ion: 59 Resp: 78288
Ion Ratio Lower Upper
59 100
57 9.9 7.4 11.2

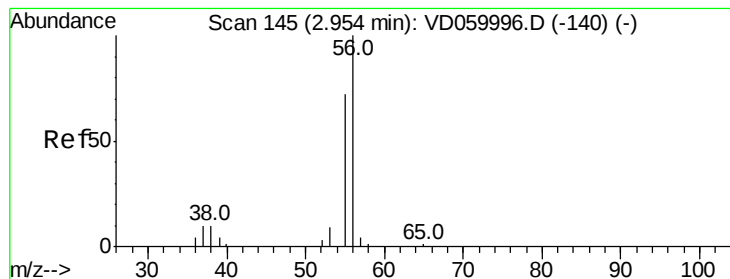


#12

1,1-Dichloroethene
Concen: 22.359 ug/l
RT: 3.06 min Scan# 156
Delta R.T. 0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion: 96 Resp: 143423
Ion Ratio Lower Upper
96 100
61 164.0 149.8 224.6
98 61.9 50.2 75.4





#13

Acrolein

Concen: 81.598 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

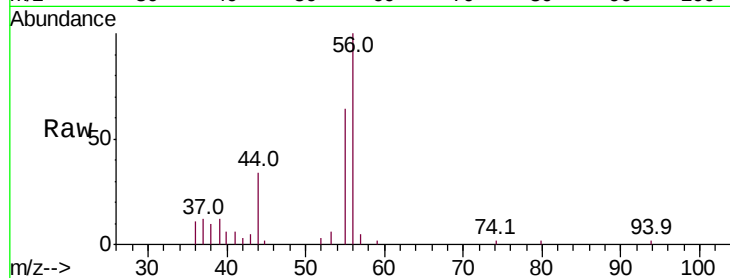
VD0925SBS01

Tot Ion: 56 Resp: 49569

Ion Ratio Lower Upper

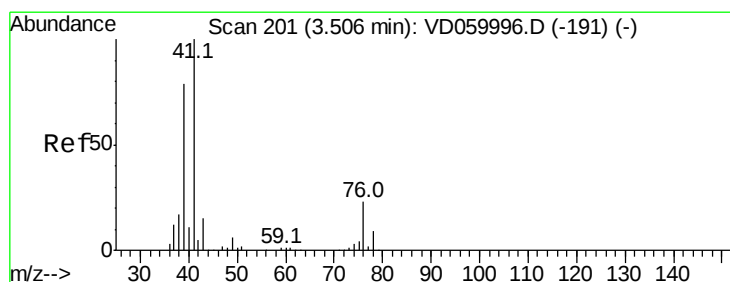
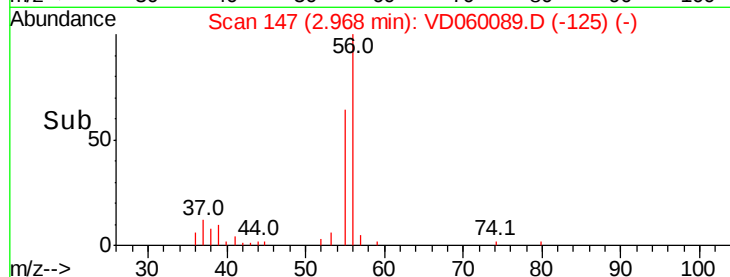
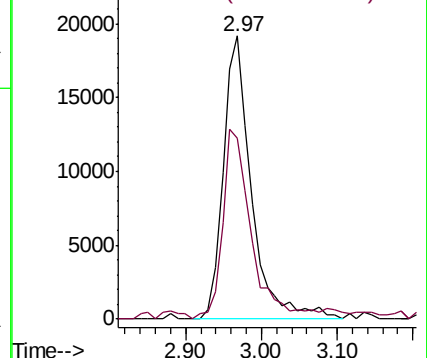
56 100

55 64.0 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.999 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

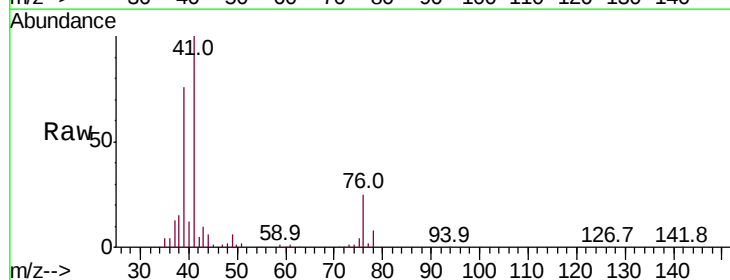
Tgt Ion: 41 Resp: 297588

Ion Ratio Lower Upper

41 100

39 75.6 63.6 95.4

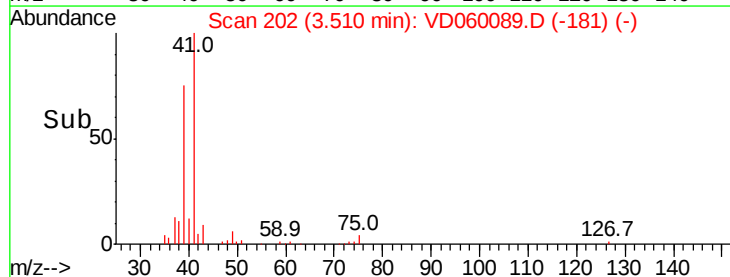
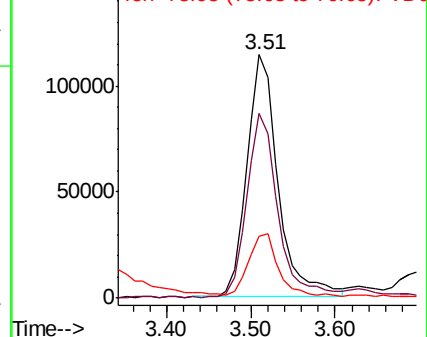
76 25.3 21.1 31.7

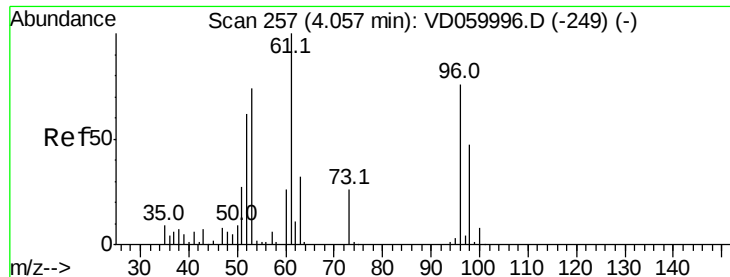


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.768 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

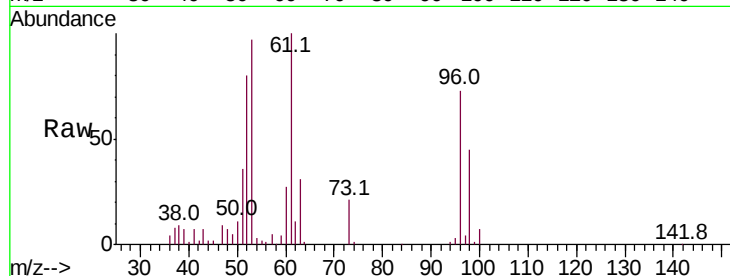
Tot Ion: 53 Resp: 369430

Ion Ratio Lower Upper

53 100

52 83.0 66.7 100.1

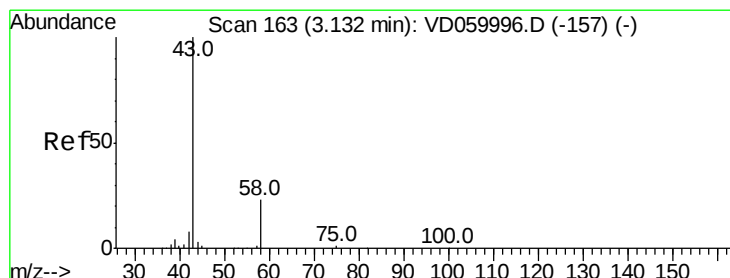
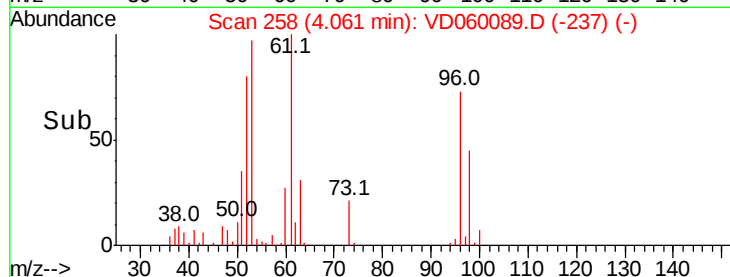
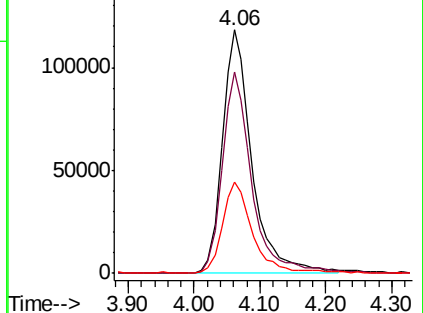
51 37.3 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 123.195 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060089.D

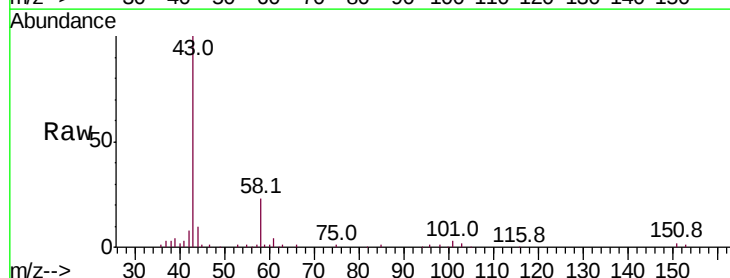
Acq: 25 Sep 2018 13:17

Tgt Ion: 43 Resp: 289164

Ion Ratio Lower Upper

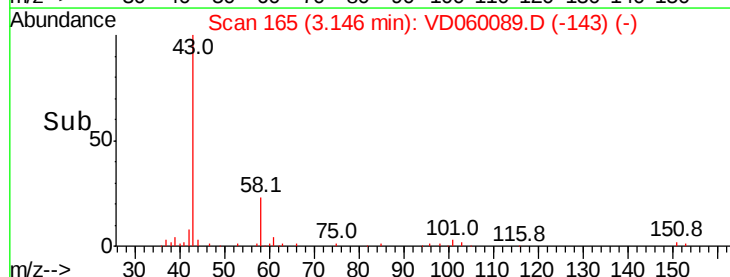
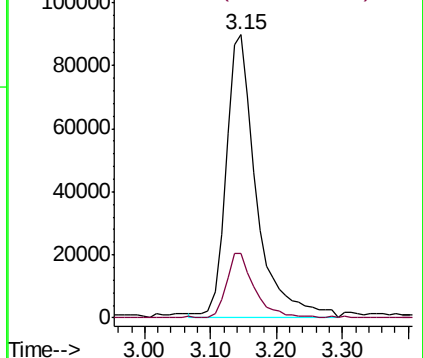
43 100

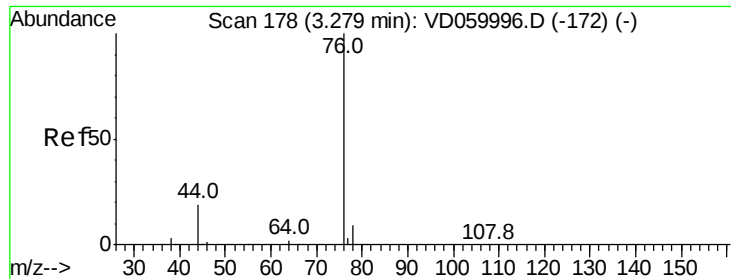
58 22.8 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.407 ug/l

RT: 3.29 min Scan# 180

Delta R.T. 0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

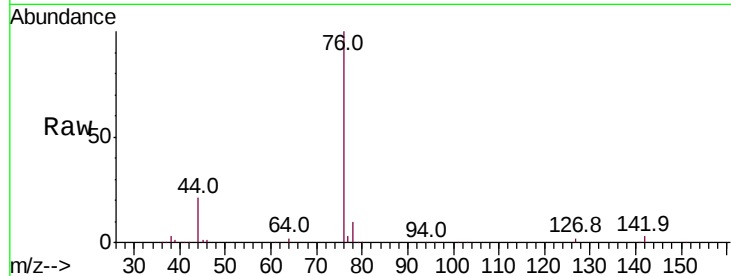
VD0925SBSD01

Tot Ion: 76 Resp: 451008

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.29

200000

150000

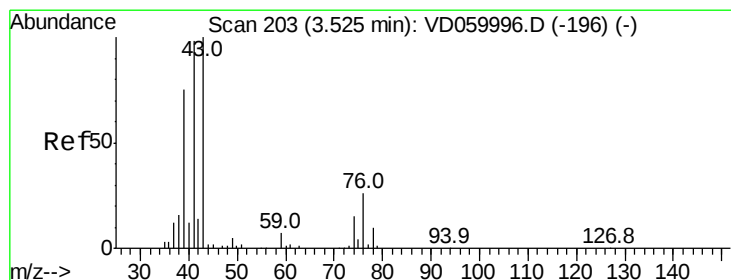
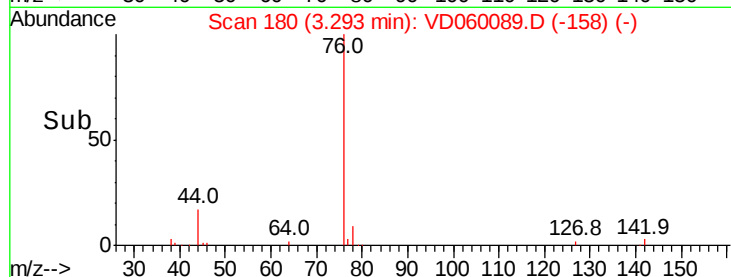
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 22.797 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.00 min

Lab File: VD060089.D

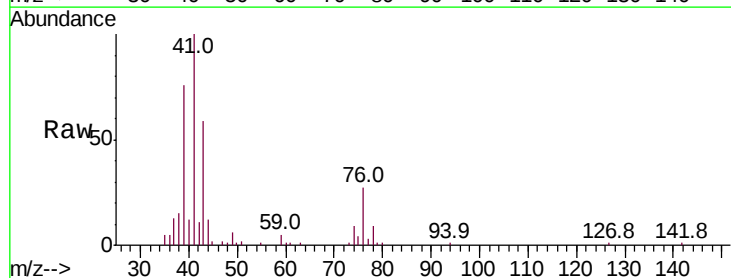
Acq: 25 Sep 2018 13:17

Tgt Ion: 43 Resp: 108822

Ion Ratio Lower Upper

43 100

74 15.5 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.53

40000

30000

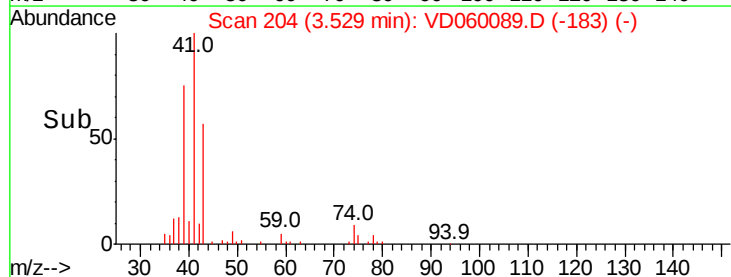
20000

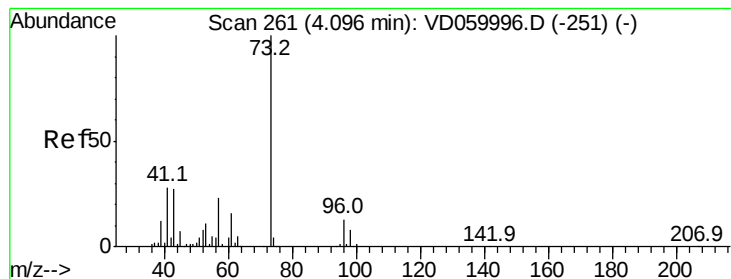
10000

0

3.40 3.50 3.60

Time-->



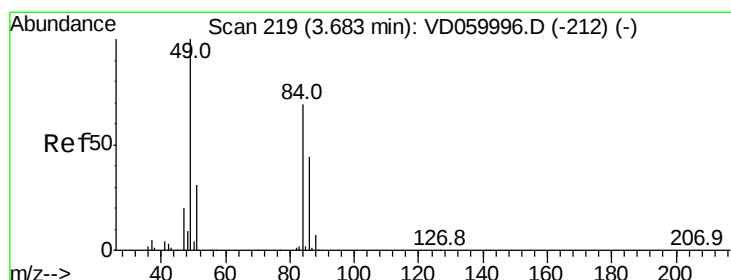
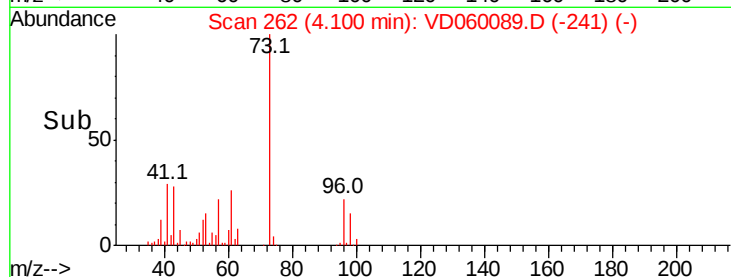
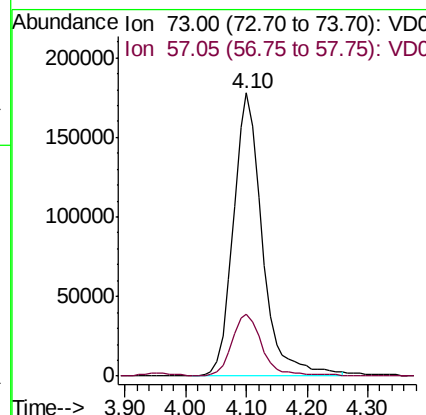
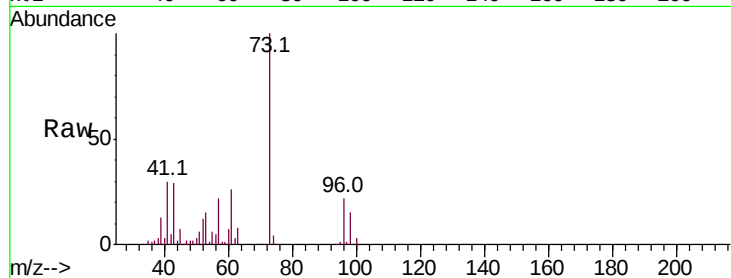


#19

Methyl tert-butyl Ether
 Concen: 19.989 ug/l
 RT: 4.10 min Scan# 262
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0925SBS01

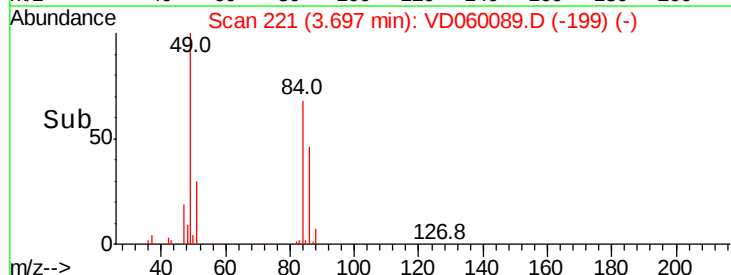
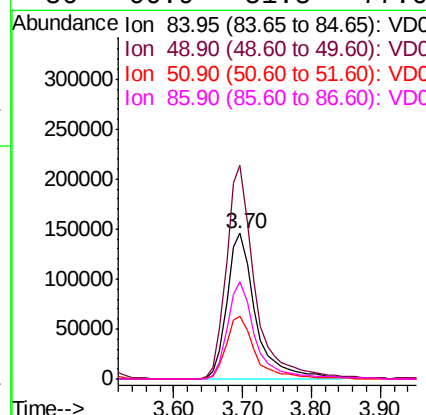
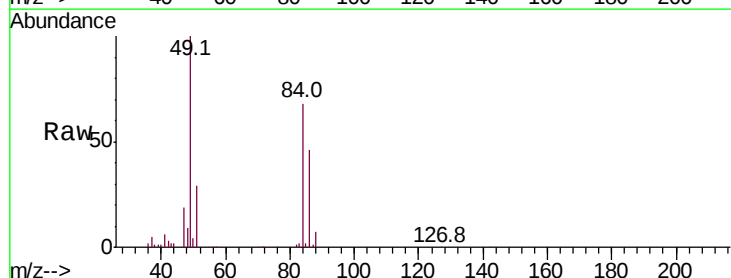
Tot Ion: 73 Resp: 592424
 Ion Ratio Lower Upper
 73 100
 57 21.8 18.4 27.6

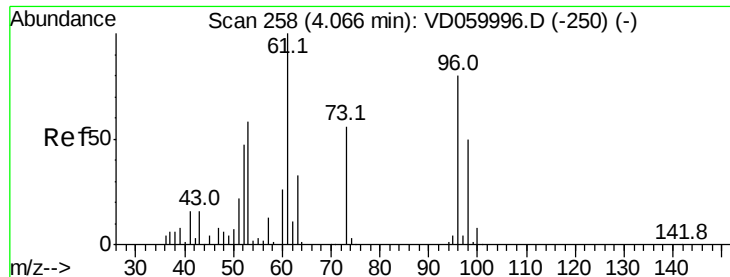


#20

Methylene Chloride
 Concen: 21.047 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion: 84 Resp: 421214
 Ion Ratio Lower Upper
 84 100
 49 146.8 116.6 175.0
 51 43.2 35.9 53.9
 86 66.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.862 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

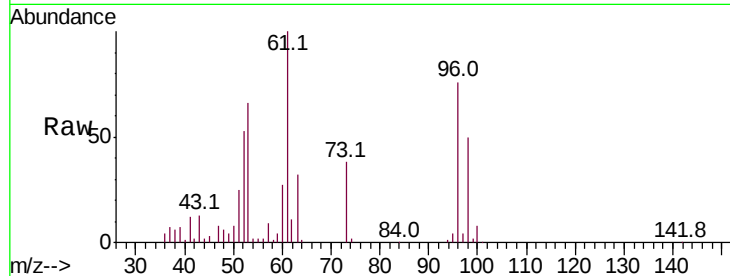
Tot Ion: 96 Resp: 334329

Ion Ratio Lower Upper

96 100

61 131.9 100.1 150.1

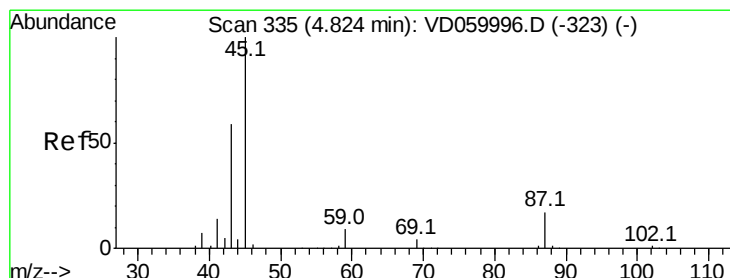
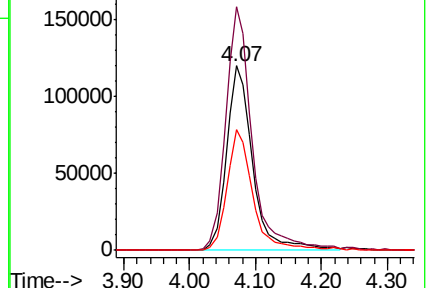
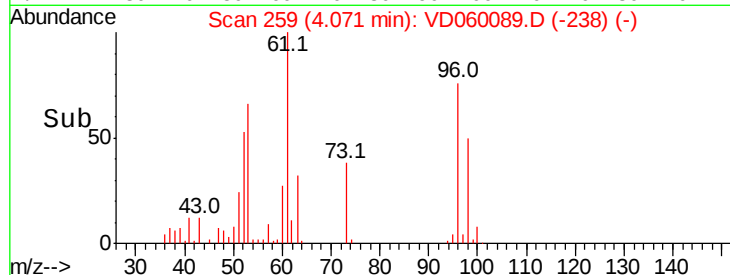
98 65.5 49.5 74.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.074 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Tgt Ion: 45 Resp: 1238664

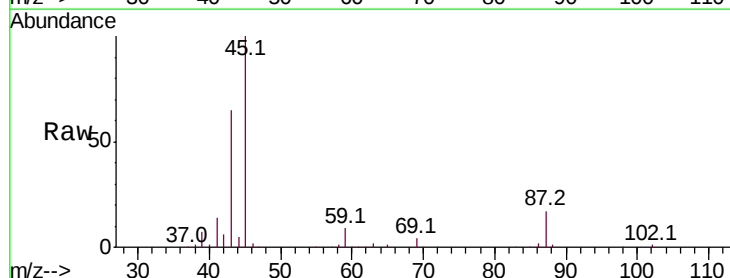
Ion Ratio Lower Upper

45 100

43 64.5 47.1 70.7

87 16.8 14.2 21.2

59 8.9 7.0 10.6

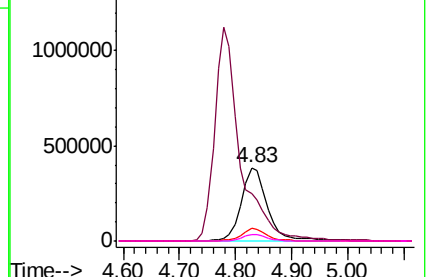
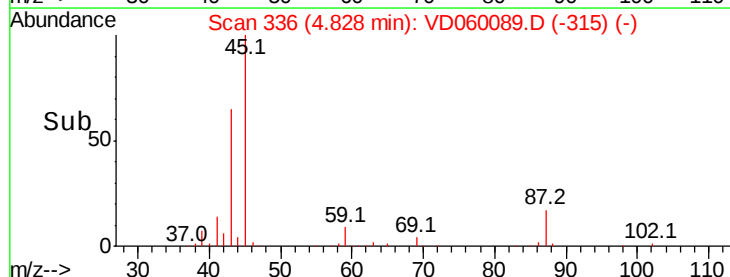


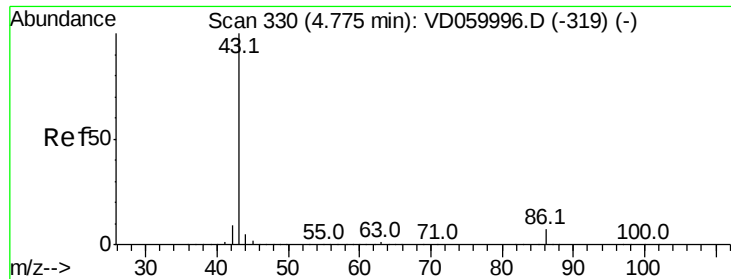
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 102.508 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

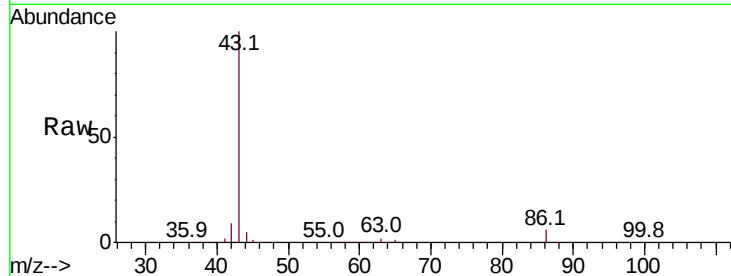
VD0925SBSD01

Tot Ion: 43 Resp: 3583473

Ion Ratio Lower Upper

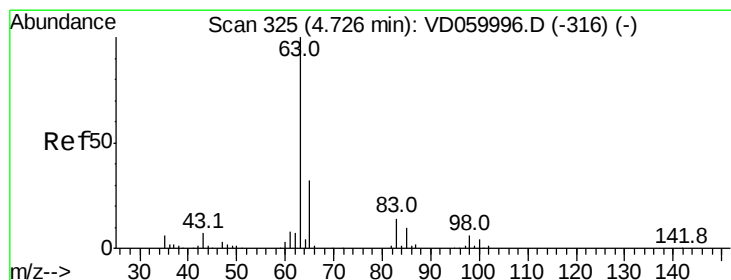
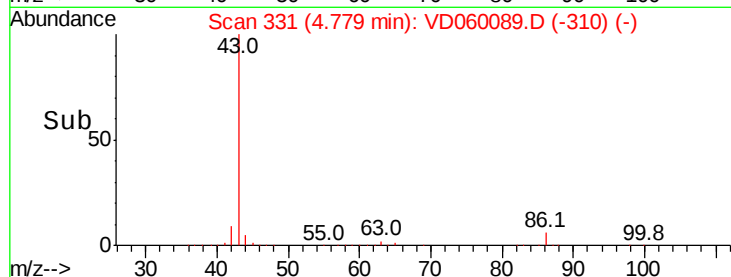
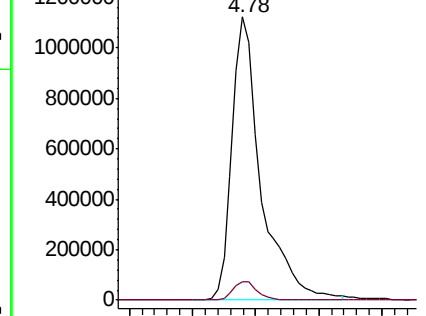
43 100

86 6.5 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.420 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

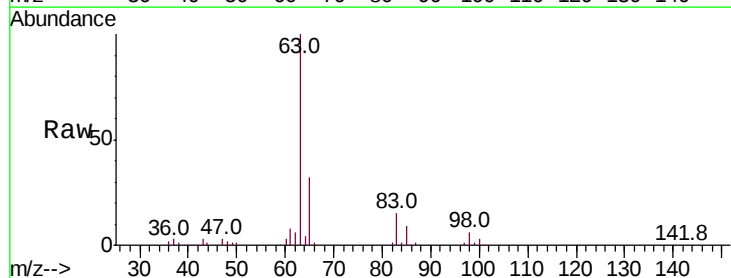
Tgt Ion: 63 Resp: 565442

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

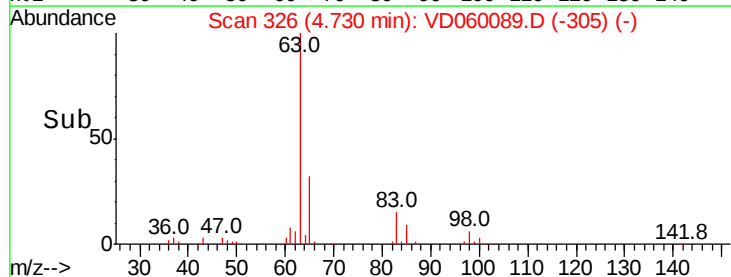
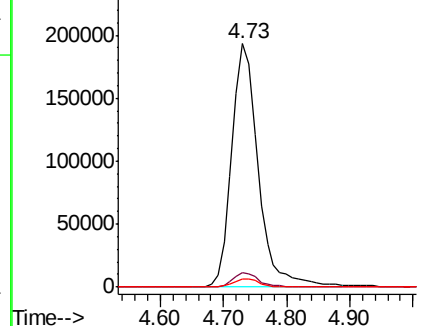
100 3.4 1.8 5.4

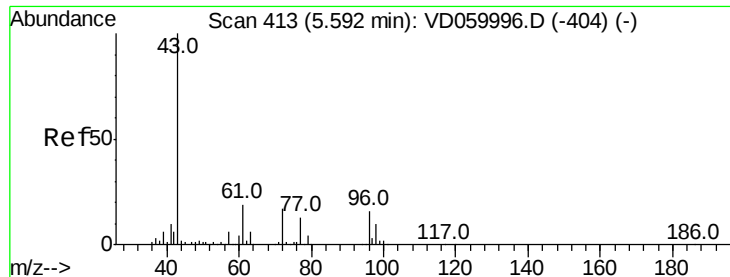


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 111.561 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

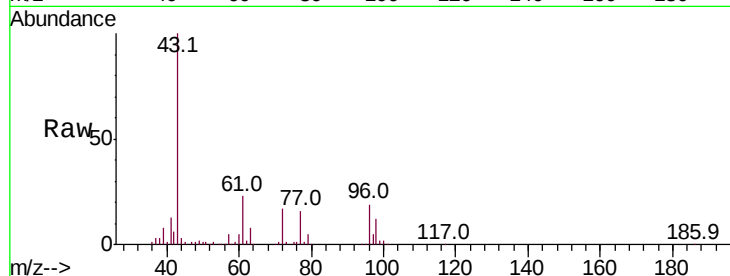
VD0925SBS01

Tot Ion: 43 Resp: 706613

Ion Ratio Lower Upper

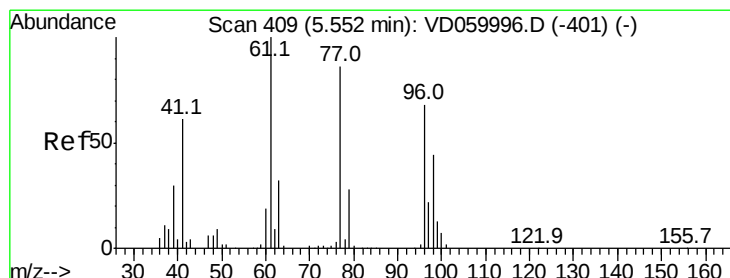
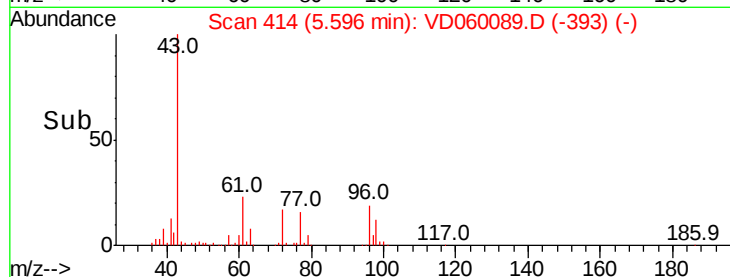
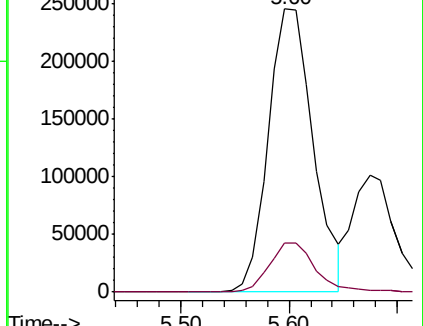
43 100

72 17.3 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.598 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060089.D

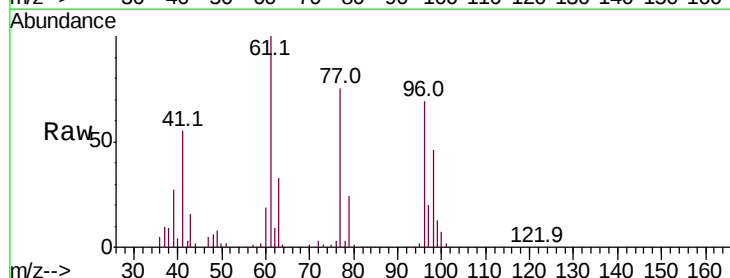
Acq: 25 Sep 2018 13:17

Tgt Ion: 77 Resp: 443432

Ion Ratio Lower Upper

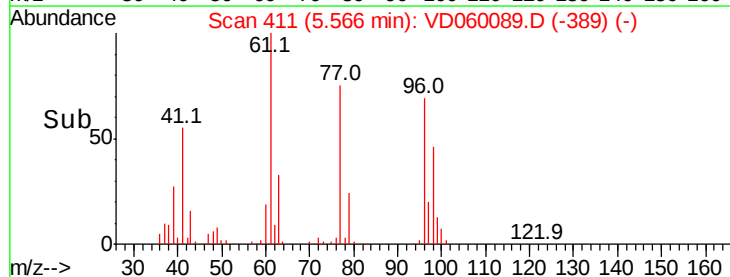
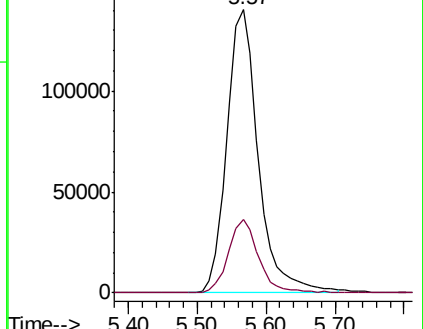
77 100

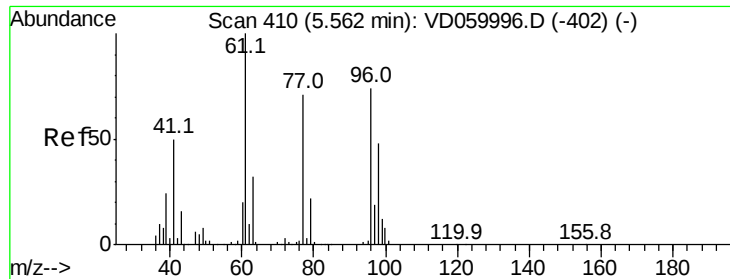
97 26.1 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



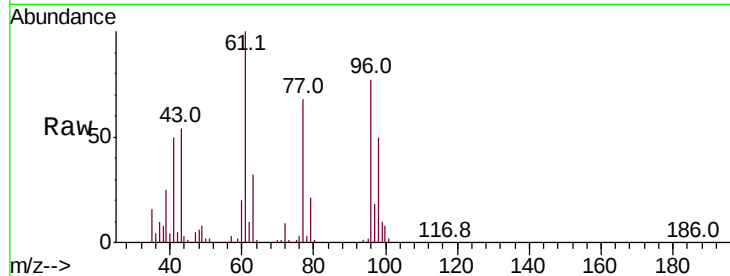


#27

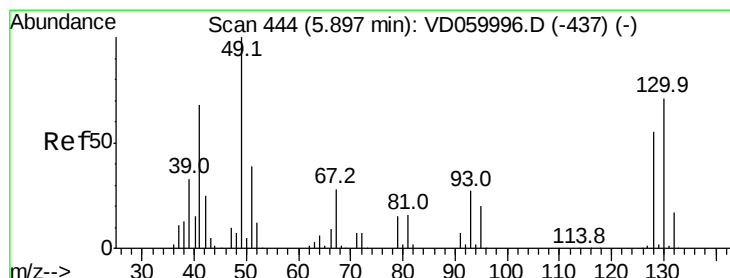
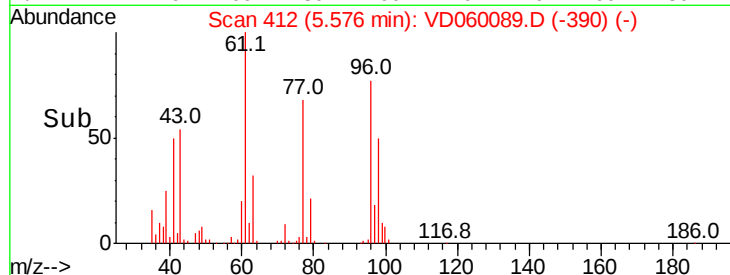
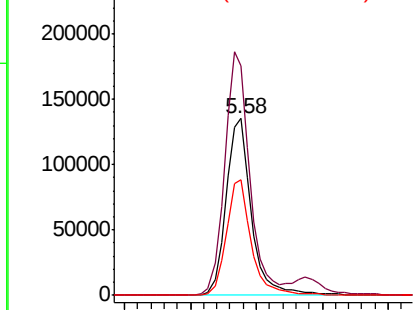
cis-1,2-Dichloroethene
 Concen: 20.666 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBSD01

Tot Ion	96	Resp	363881
Ion Ratio	Lower	Upper	
96	100		
61	130.0	0.0	269.6
98	65.5	0.0	128.4



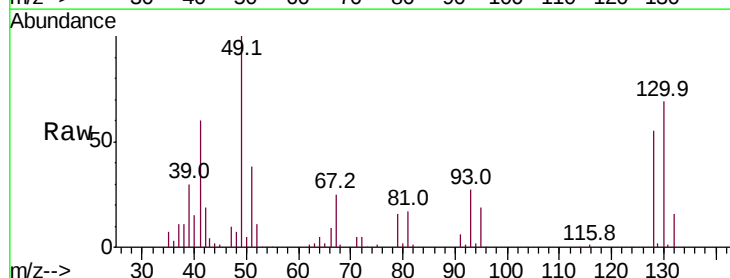
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



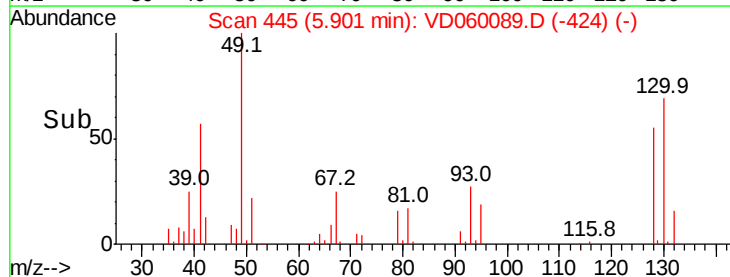
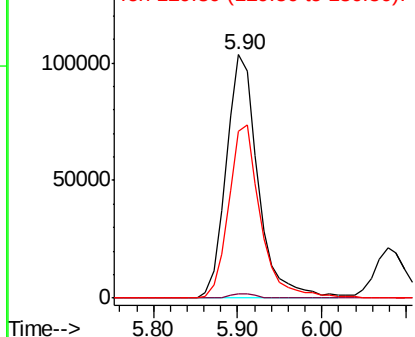
#28

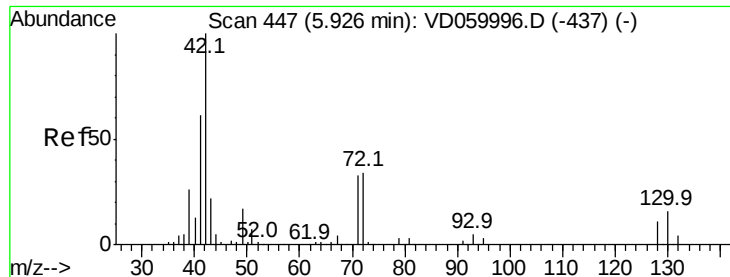
Bromochloromethane
 Concen: 20.424 ug/l
 RT: 5.90 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion	49	Resp	271853
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.6
130	68.6	57.1	85.7



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 95.998 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

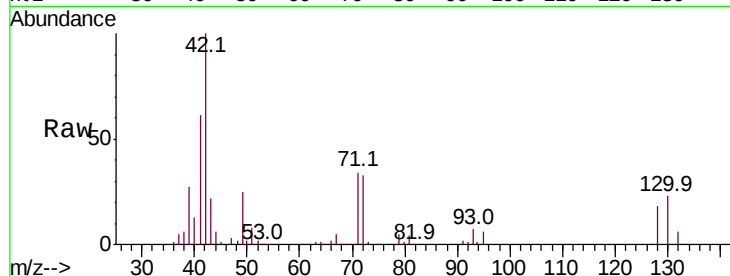
Tot Ion: 42 Resp: 326083

Ion Ratio Lower Upper

42 100

72 33.5 26.9 40.3

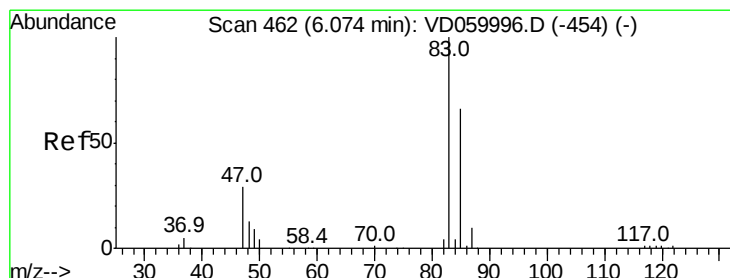
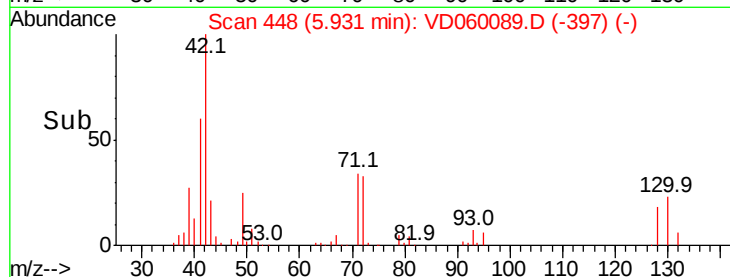
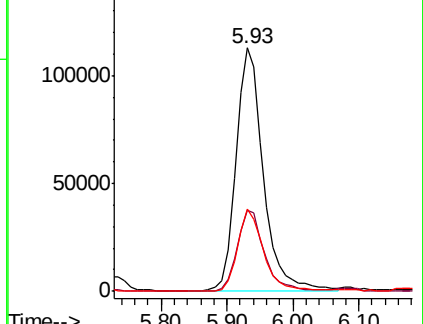
71 32.5 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.864 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD060089.D

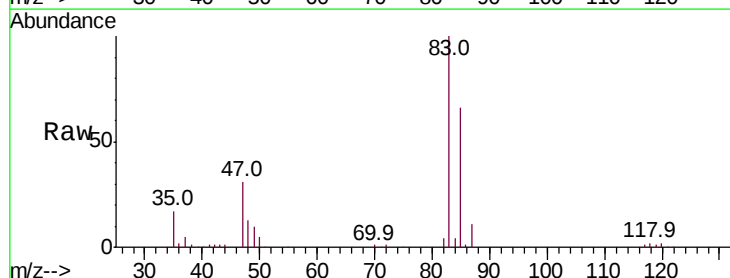
Acq: 25 Sep 2018 13:17

Tgt Ion: 83 Resp: 585909

Ion Ratio Lower Upper

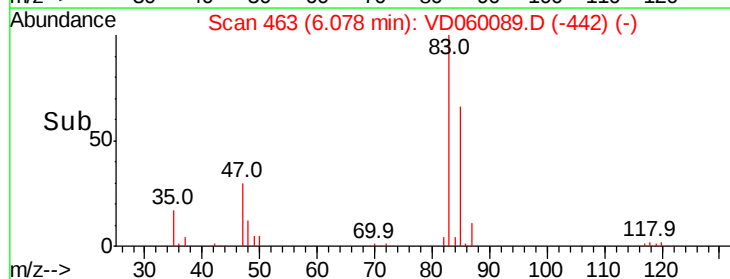
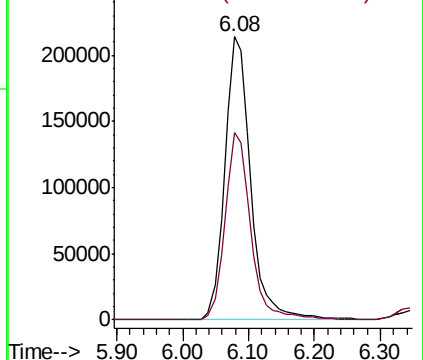
83 100

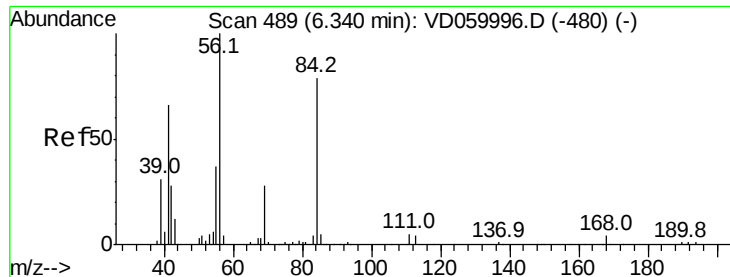
85 66.3 52.6 78.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

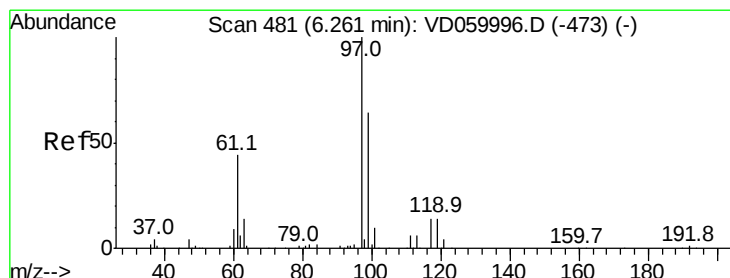
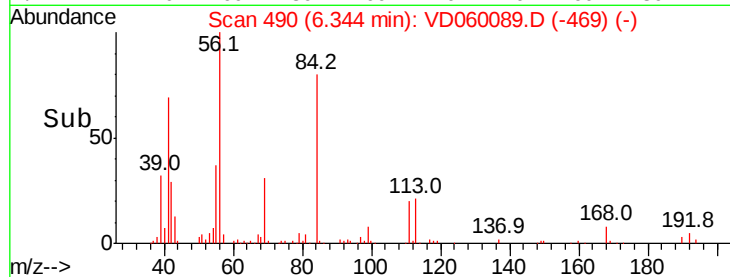
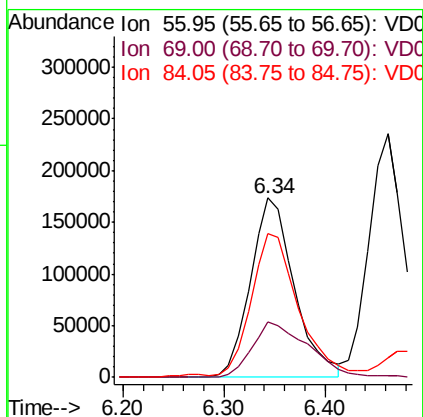
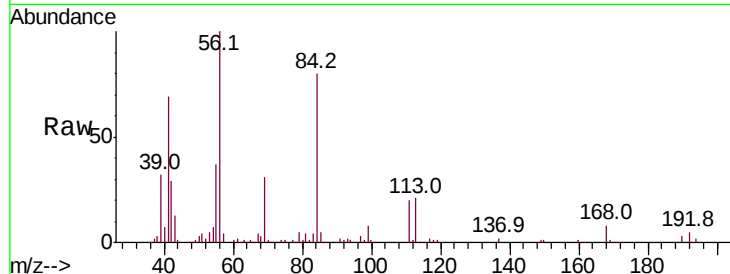




#31
Cvclohexane
Concen: 19.403 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

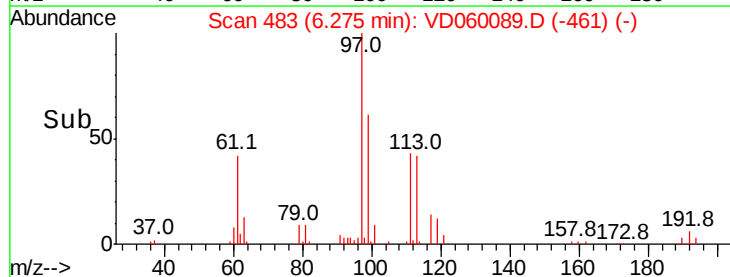
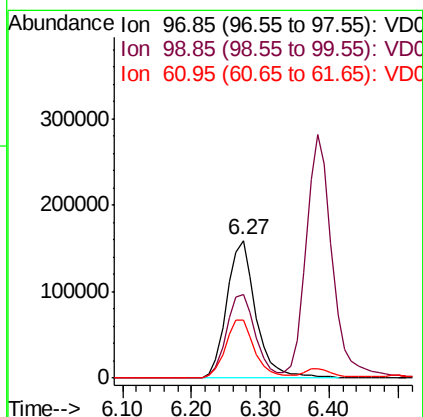
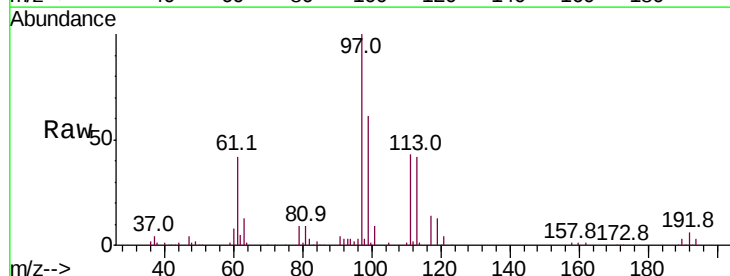
Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

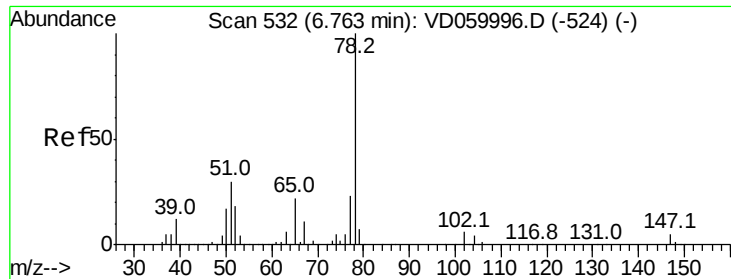
Tot Ion: 56 Resp: 523858
Ion Ratio Lower Upper
56 100
69 30.6 22.7 34.1
84 80.3 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 19.865 ug/l
RT: 6.27 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion: 97 Resp: 462676
Ion Ratio Lower Upper
97 100
99 60.7 51.3 76.9
61 42.4 35.5 53.3

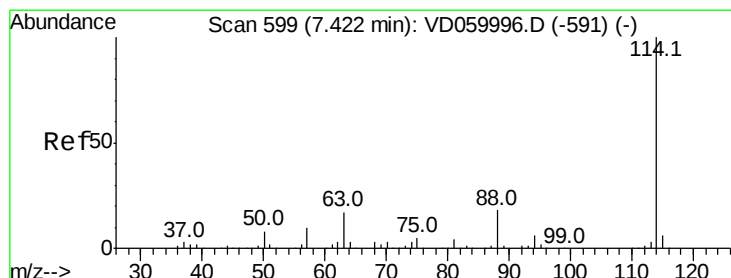
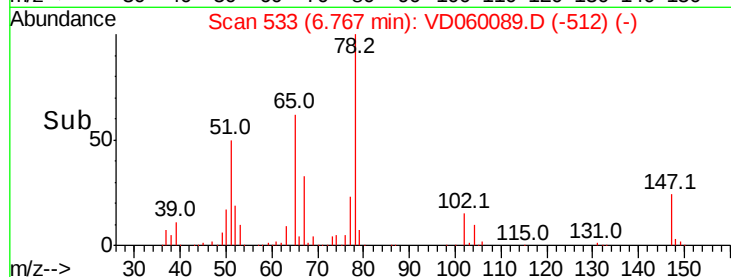
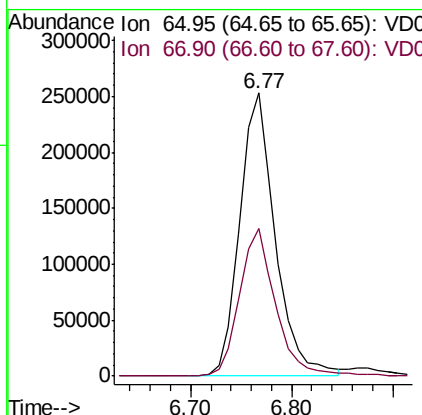
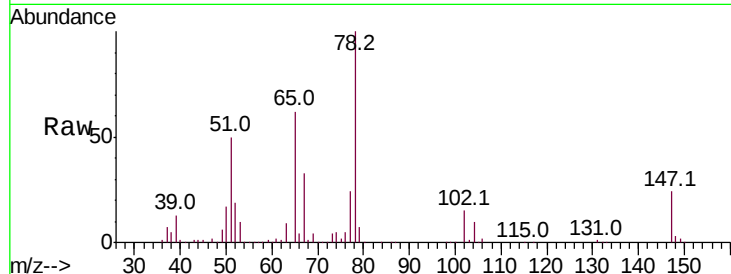




#33
 1,2-Dichloroethane-d4
 Concen: 19.865 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

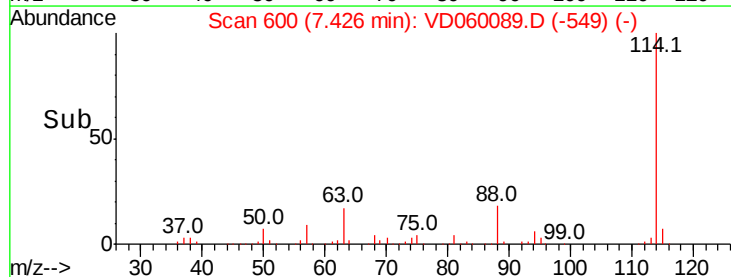
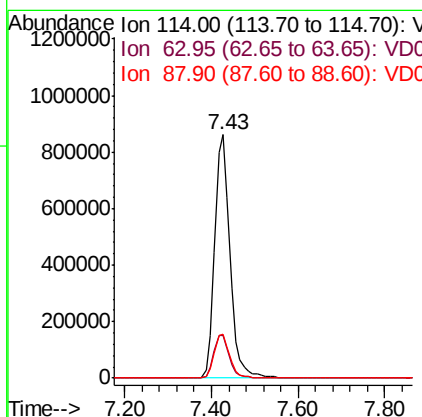
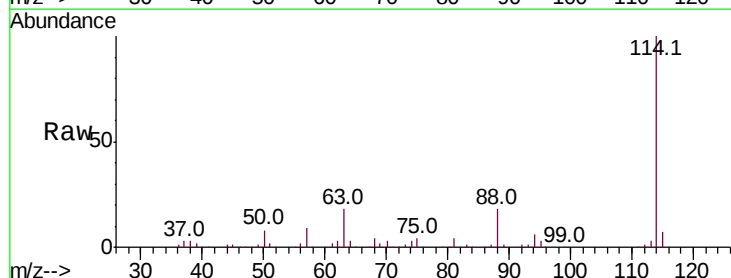
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBSD01

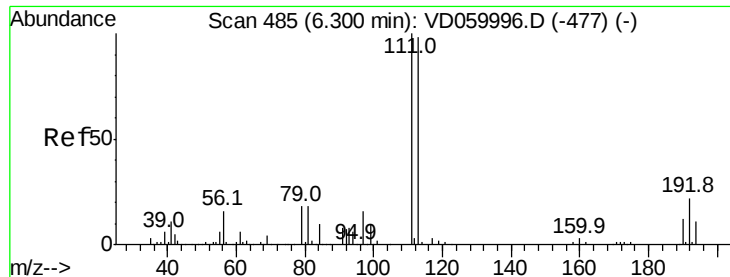
Tot Ion: 65 Resp: 620539
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion: 114 Resp: 2119217
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.4
 88 17.9 0.0 35.8

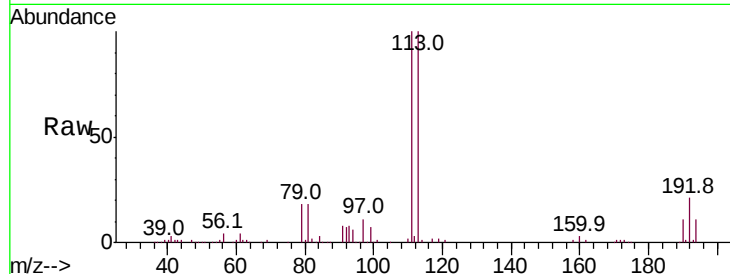




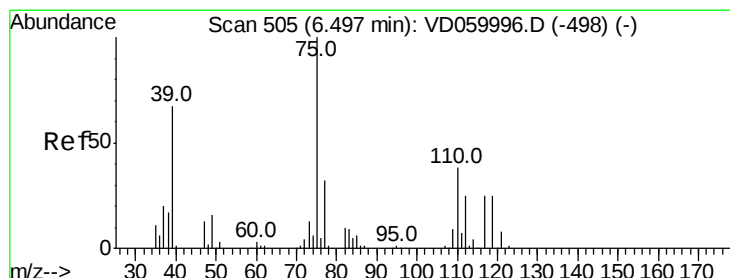
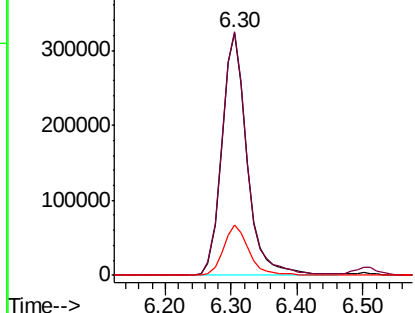
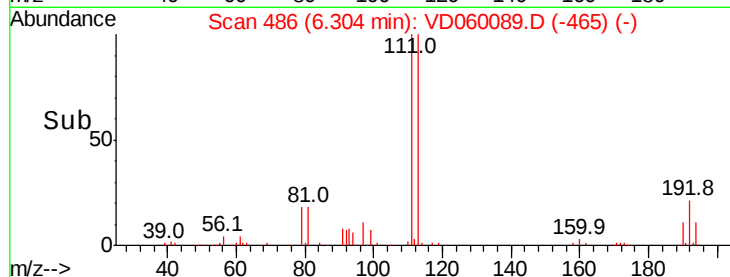
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBSD01

Tot Ion:113 Resp: 863642
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.3 121.9
 192 20.8 18.1 27.1

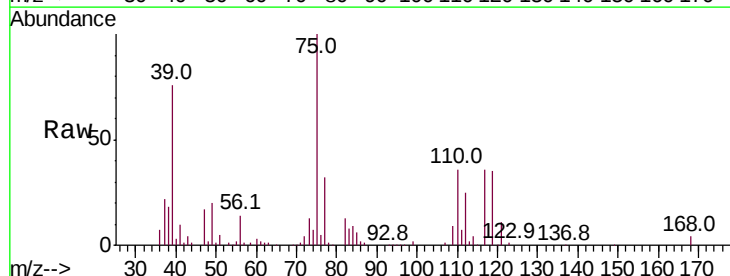


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

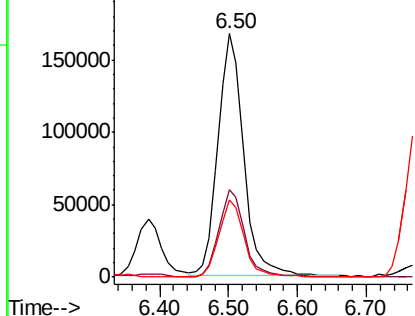
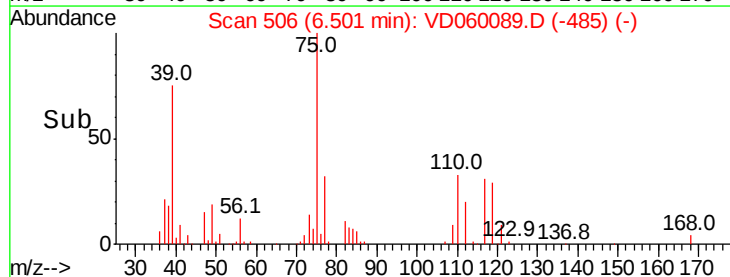


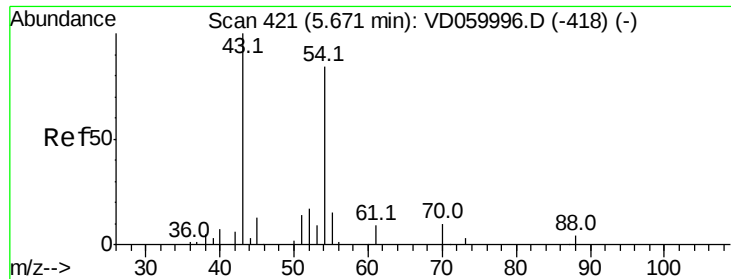
#36
 1,1-Dichloropropene
 Concen: 20.566 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion: 75 Resp: 432947
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.9 56.9
 77 31.8 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

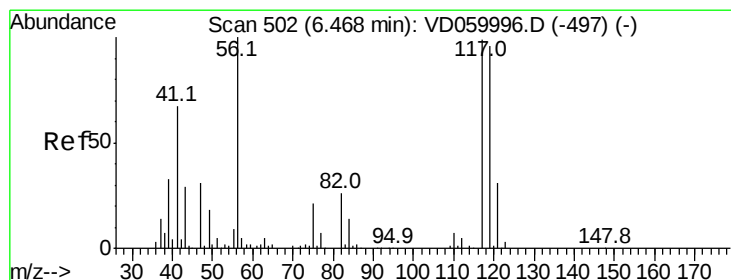
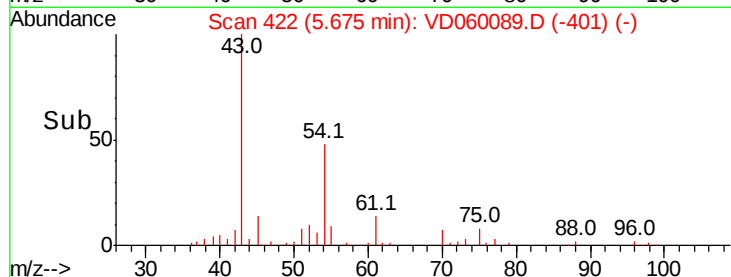
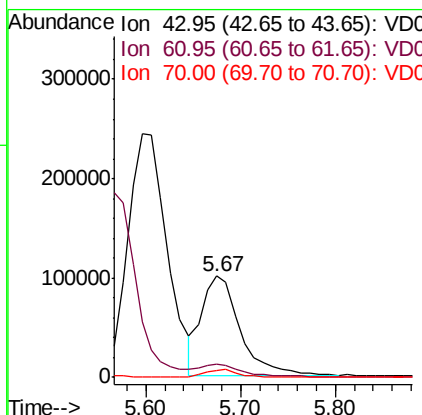
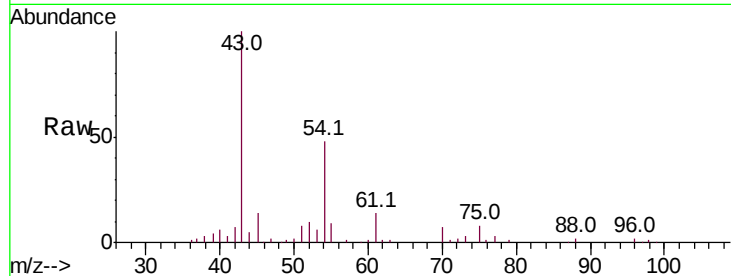




#37
Ethyl Acetate
Concen: 19.832 ug/l
RT: 5.67 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

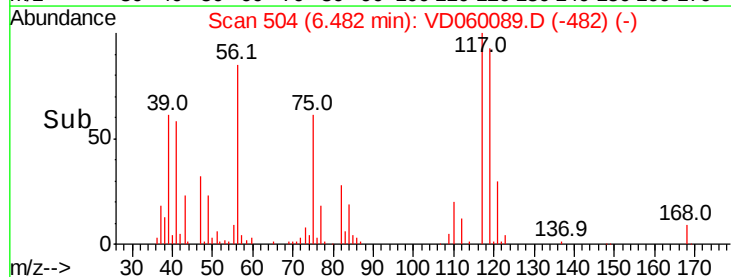
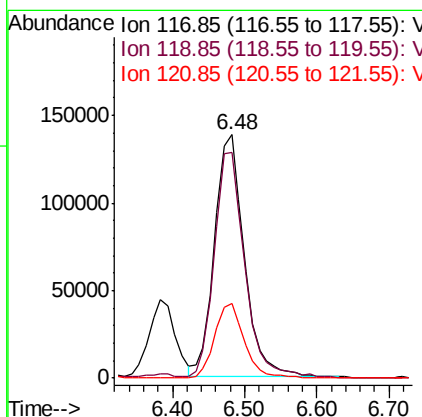
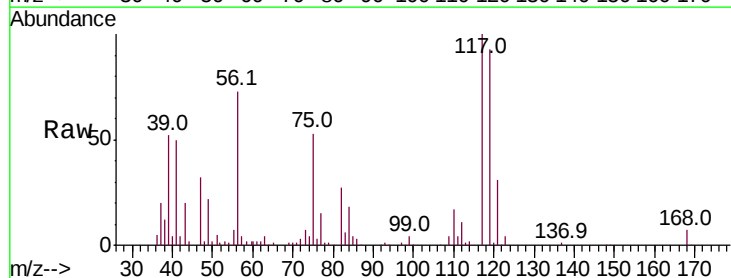
Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

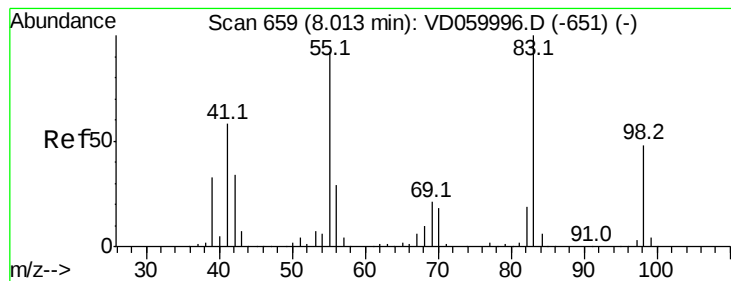
Tot Ion: 43 Resp: 287093
Ion Ratio Lower Upper
43 100
61 13.7 10.2 15.2
70 6.7 6.1 9.1



#38
Carbon Tetrachloride
Concen: 20.003 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion: 117 Resp: 393081
Ion Ratio Lower Upper
117 100
119 92.9 76.7 115.1
121 30.6 24.9 37.3





#39

Methvlcvclohexane

Concen: 20.653 ug/l

RT: 8.02 min Scan# 660

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

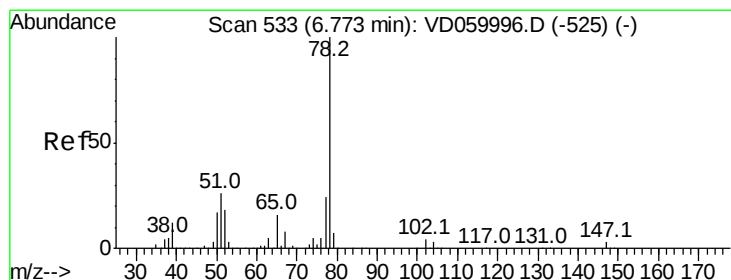
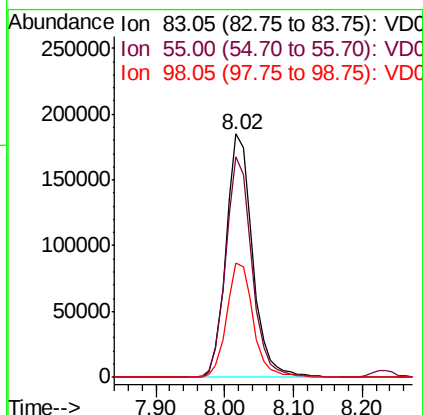
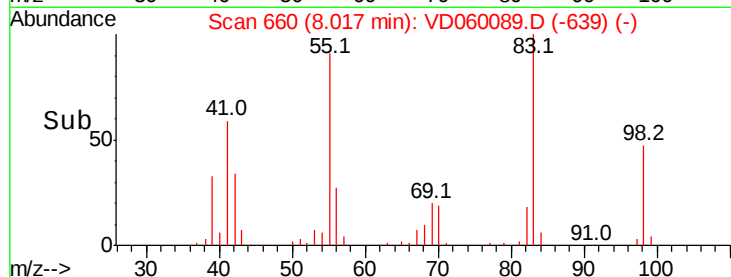
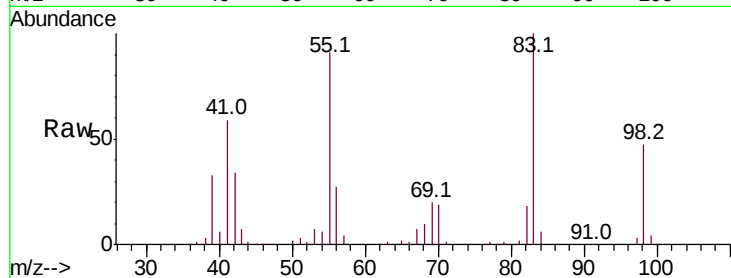
Tot Ion: 83 Resp: 491826

Ion Ratio Lower Upper

83 100

55 90.7 73.8 110.6

98 47.1 38.1 57.1



#40

Benzene

Concen: 20.871 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.00 min

Lab File: VD060089.D

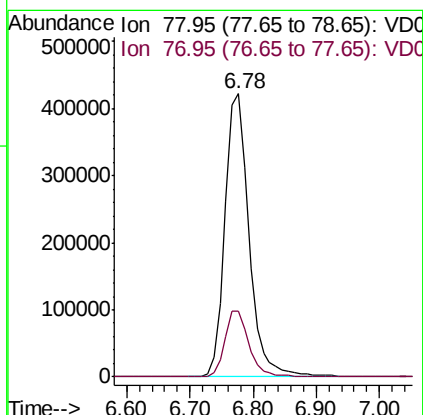
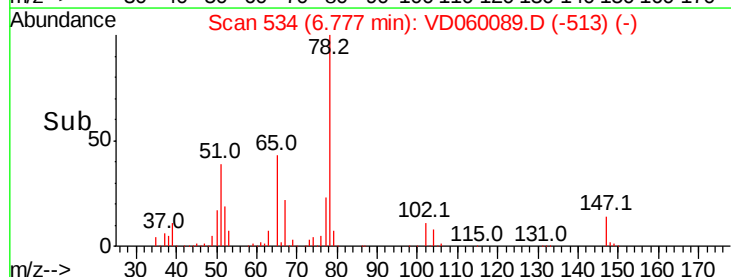
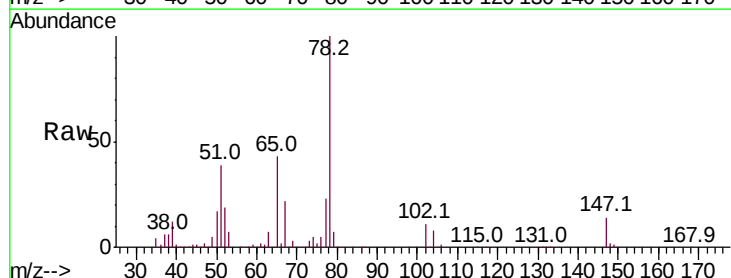
Acq: 25 Sep 2018 13:17

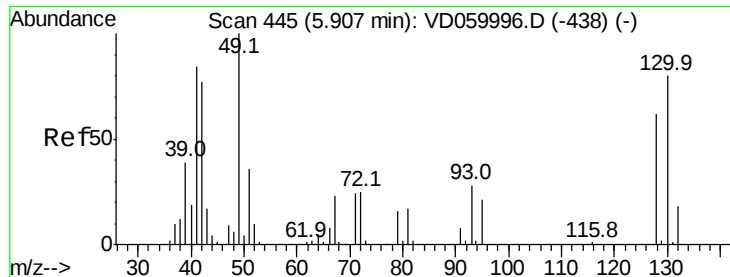
Tgt Ion: 78 Resp: 1119809

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.4





#41

Methacrylonitrile

Concen: 42.487 ug/l

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleID :

VD0925SBS01

Tot Ion: 41 Resp: 322145

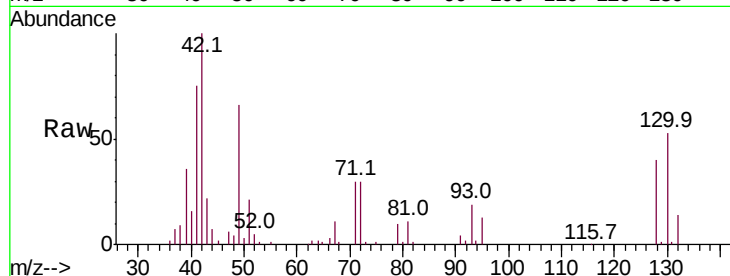
Ion Ratio Lower Upper

41 100

39 47.6 37.5 56.3

67 14.3 21.5 32.3#

52 7.2 9.2 13.8#

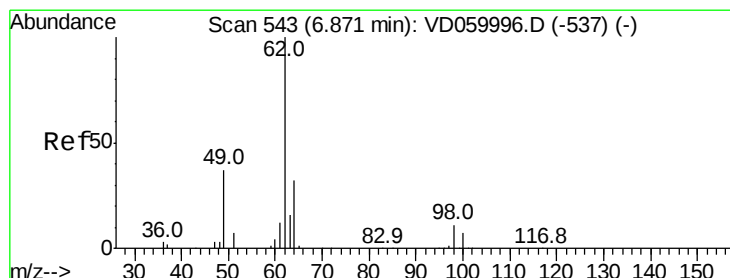
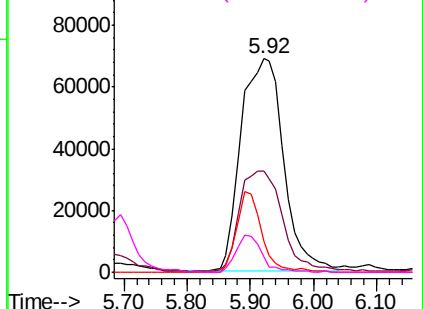
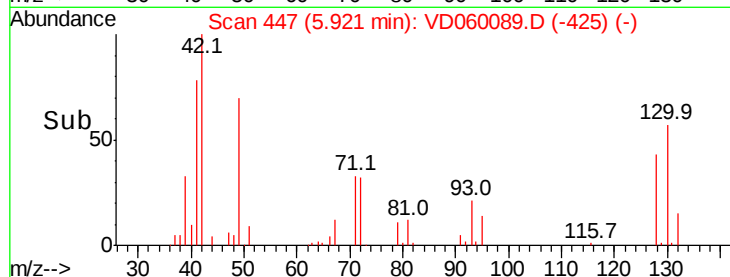


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.818 ug/l

RT: 6.88 min Scan# 544

Delta R.T. 0.00 min

Lab File: VD060089.D

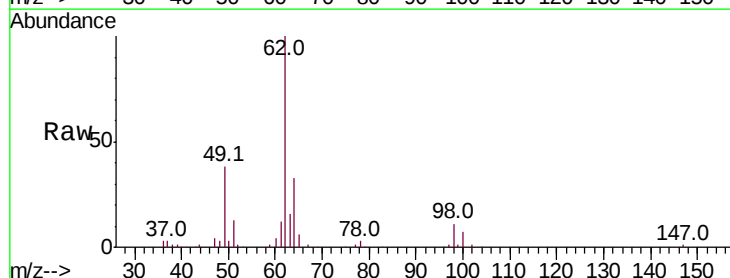
Acq: 25 Sep 2018 13:17

Tgt Ion: 62 Resp: 319271

Ion Ratio Lower Upper

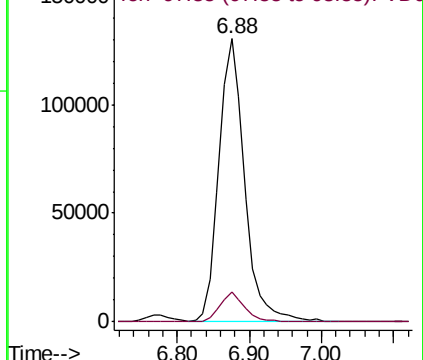
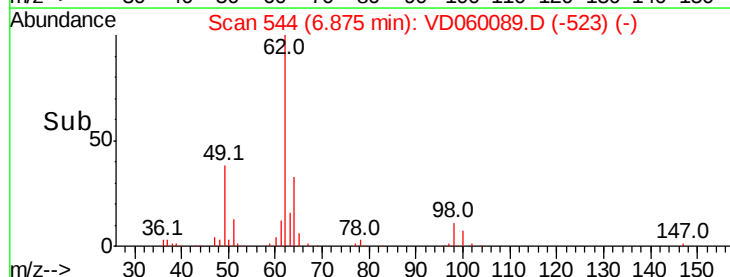
62 100

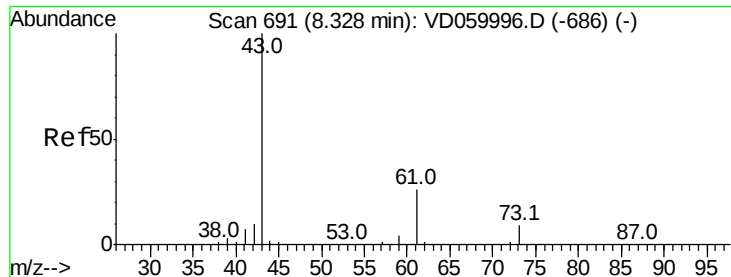
98 10.7 0.0 21.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.516 ug/l

RT: 8.33 min Scan# 692

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

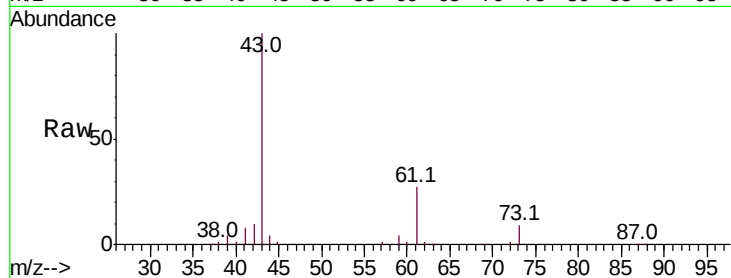
Tot Ion: 43 Resp: 378264

Ion Ratio Lower Upper

43 100

61 27.1 21.0 31.6

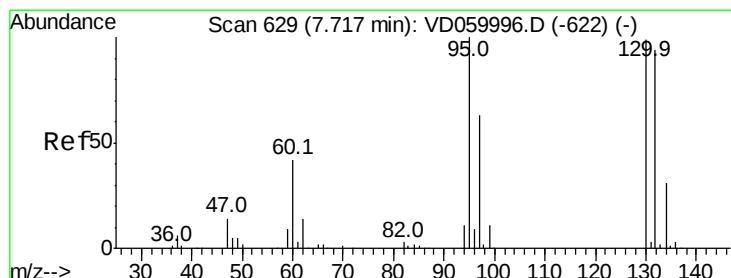
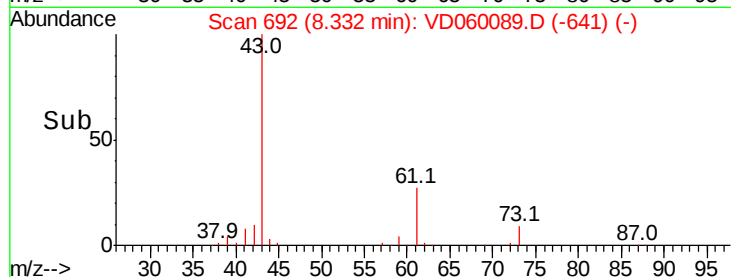
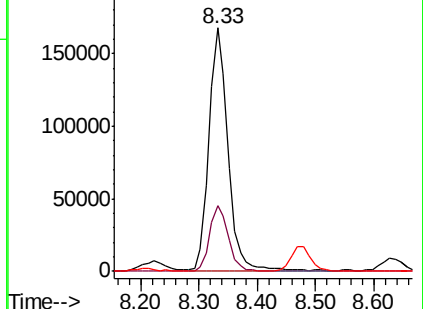
87 0.3 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.307 ug/l

RT: 7.72 min Scan# 630

Delta R.T. 0.00 min

Lab File: VD060089.D

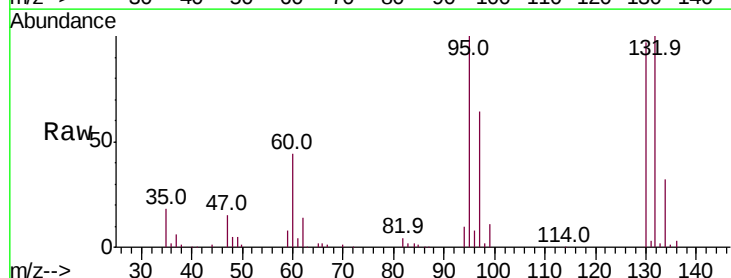
Acq: 25 Sep 2018 13:17

Tgt Ion:130 Resp: 336632

Ion Ratio Lower Upper

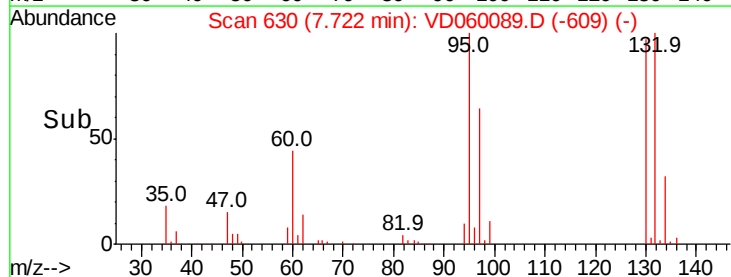
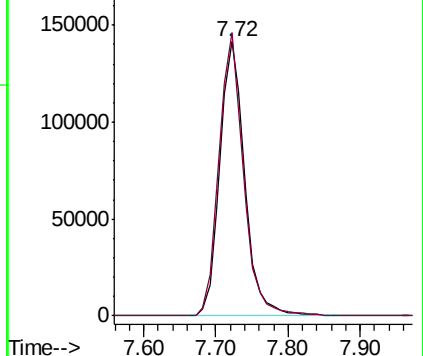
130 100

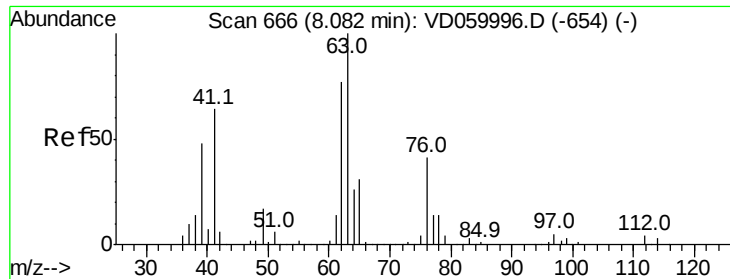
95 103.3 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.925 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

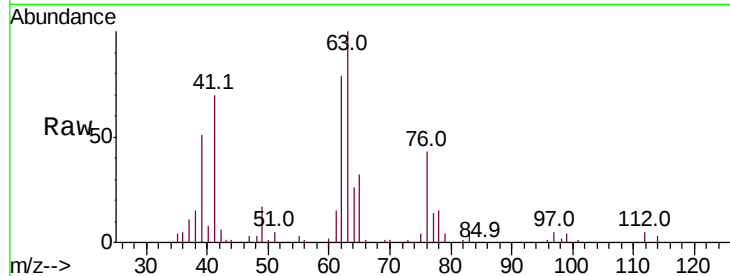
VD0925SBS01

Tot Ion: 63 Resp: 300215

Ion Ratio Lower Upper

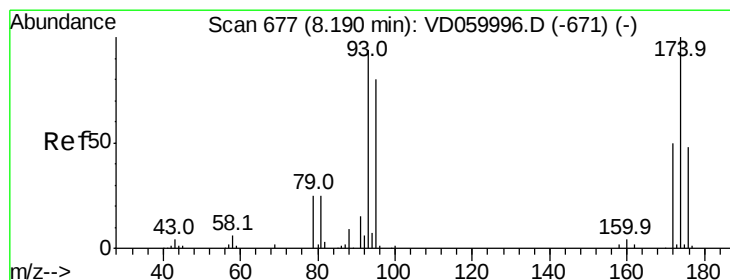
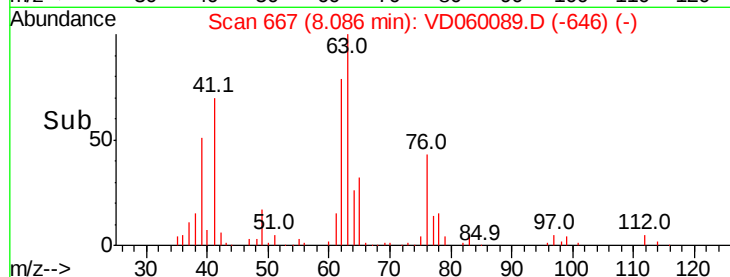
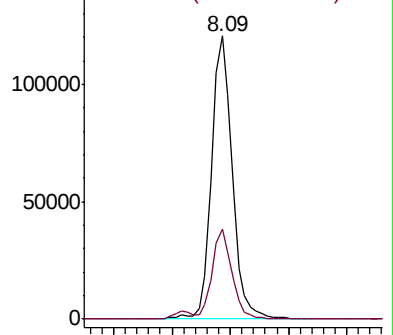
63 100

65 31.6 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.563 ug/l

RT: 8.19 min Scan# 678

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

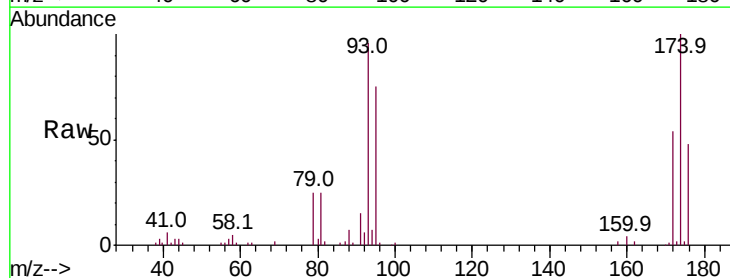
Tgt Ion: 93 Resp: 192489

Ion Ratio Lower Upper

93 100

95 78.6 68.0 102.0

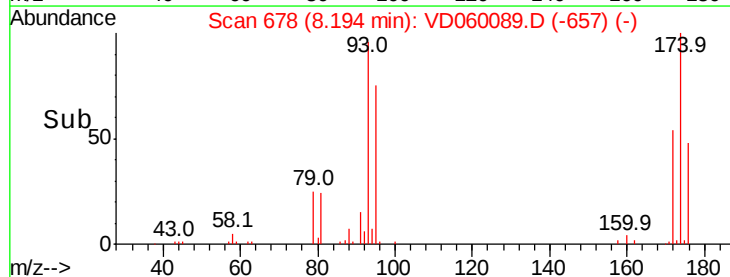
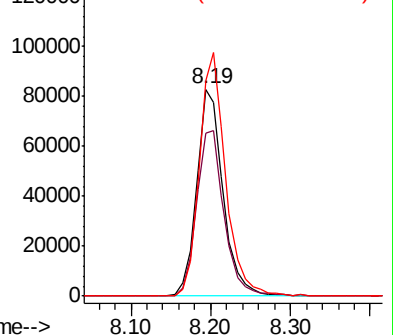
174 104.3 85.4 128.2

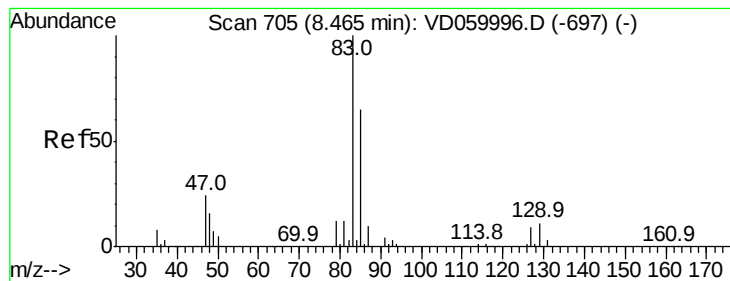


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.296 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

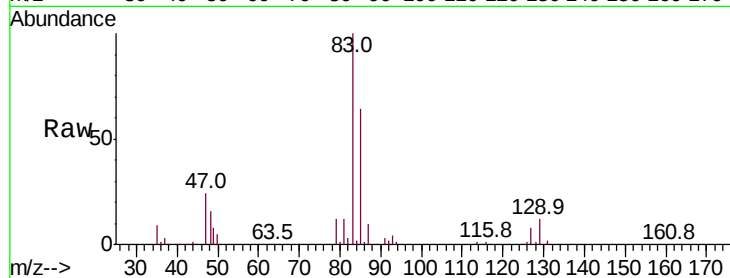
Tot Ion: 83 Resp: 409617

Ion Ratio Lower Upper

83 100

85 64.4 51.9 77.9

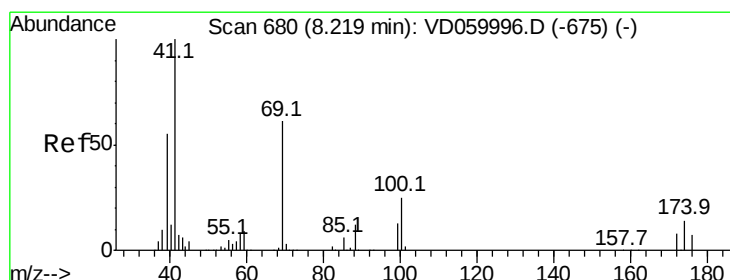
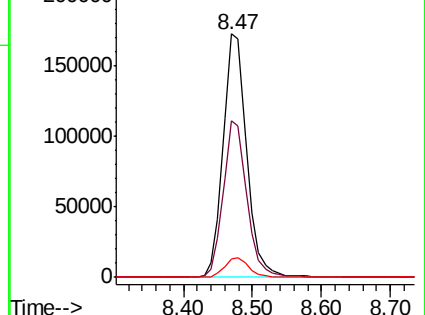
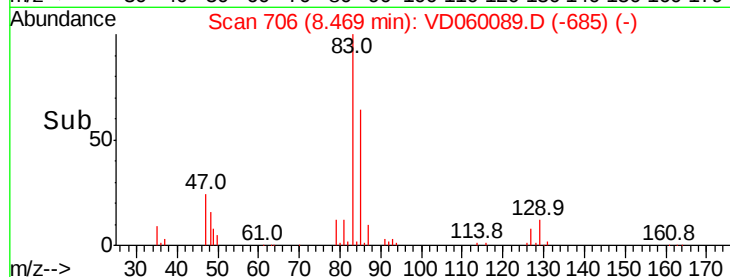
127 7.8 6.8 10.2



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.890 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

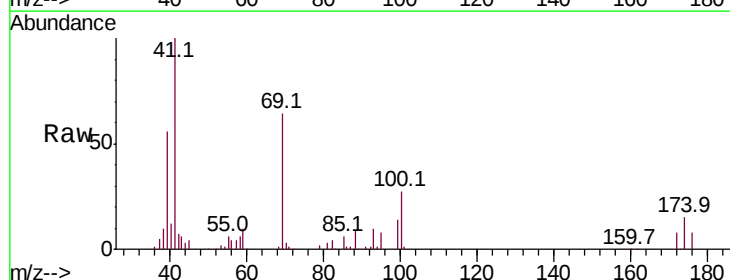
Tgt Ion: 41 Resp: 214716

Ion Ratio Lower Upper

41 100

69 63.6 48.3 72.5

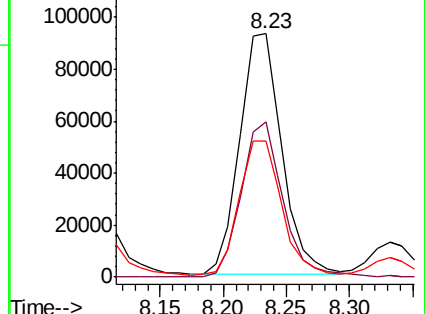
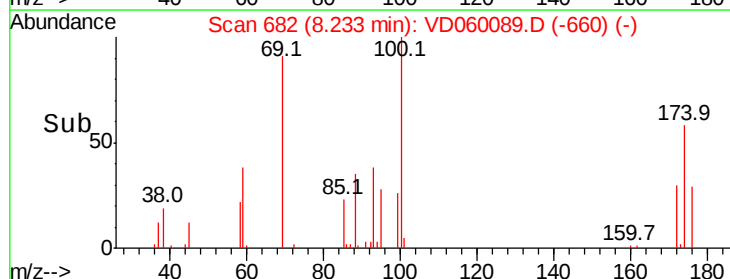
39 56.1 44.1 66.1

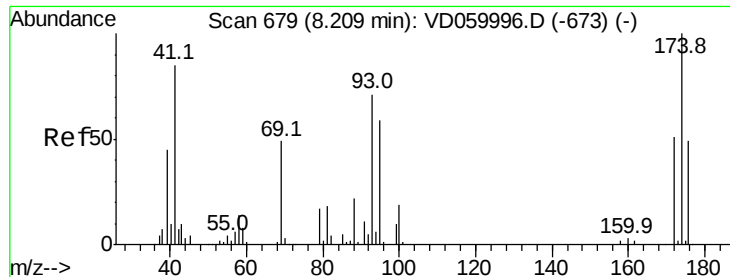


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 366.457 ug/l

RT: 8.21 min Scan# 680

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

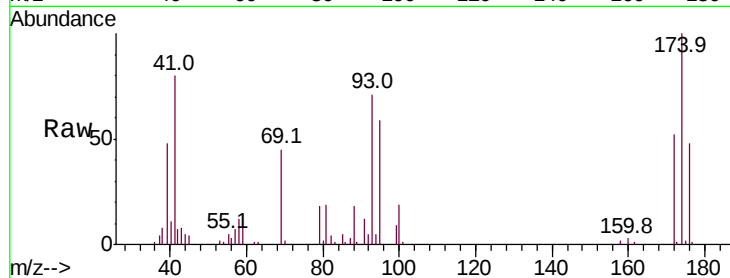
Tot Ion: 88 Resp: 39291

Ion Ratio Lower Upper

88 100

43 44.6 36.2 54.2

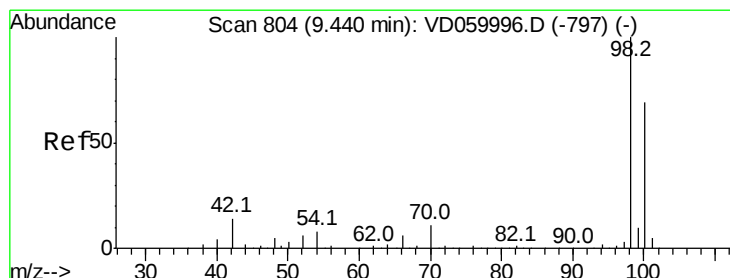
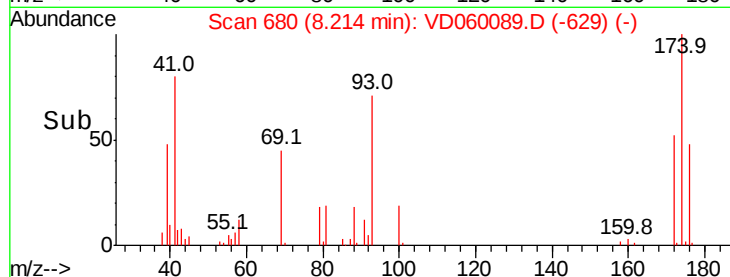
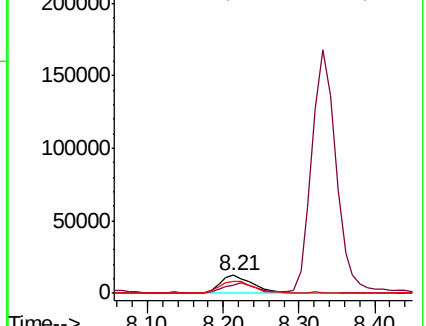
58 66.0 51.0 76.6



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 366.457 ug/l

RT: 9.44 min Scan# 805

Delta R.T. 0.00 min

Lab File: VD060089.D

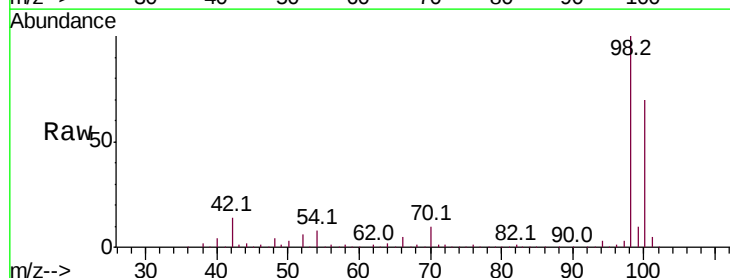
Acq: 25 Sep 2018 13:17

Tgt Ion: 98 Resp: 2326212

Ion Ratio Lower Upper

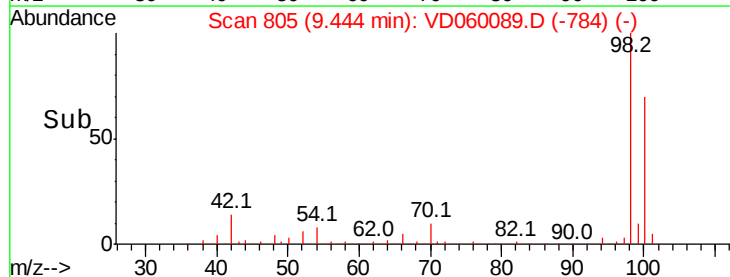
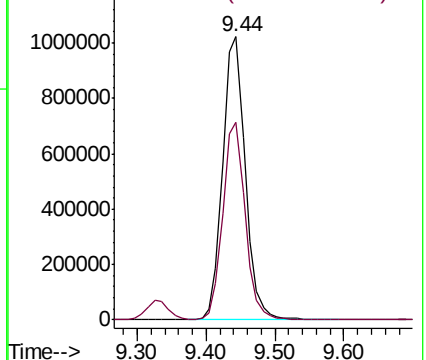
98 100

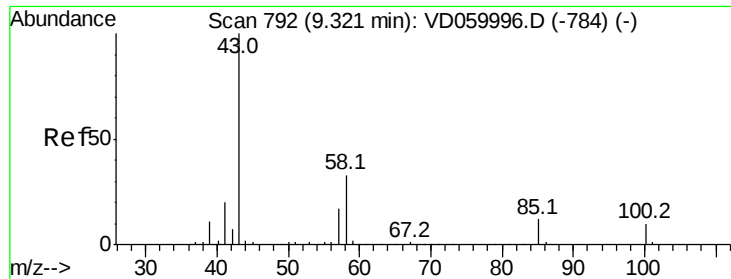
100 69.9 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 108.833 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

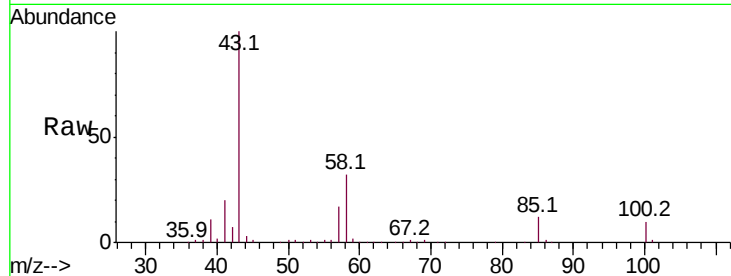
VD0925SBS01

Tot Ion: 43 Resp: 1540704

Ion Ratio Lower Upper

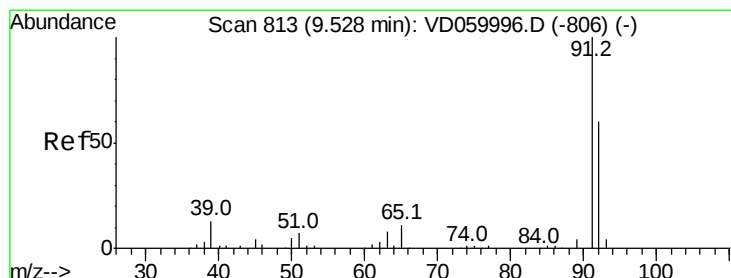
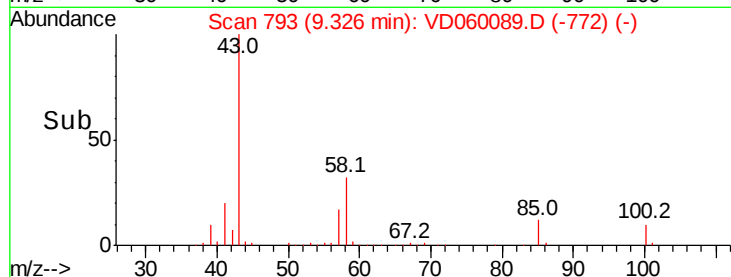
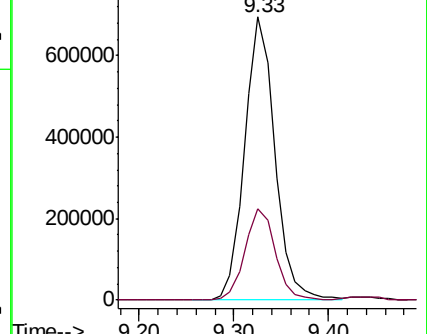
43 100

58 32.3 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.311 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.00 min

Lab File: VD060089.D

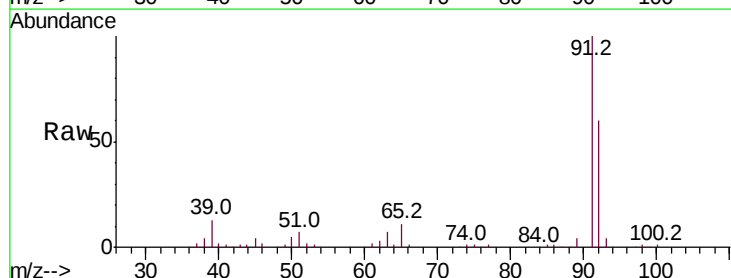
Acq: 25 Sep 2018 13:17

Tgt Ion: 92 Resp: 732922

Ion Ratio Lower Upper

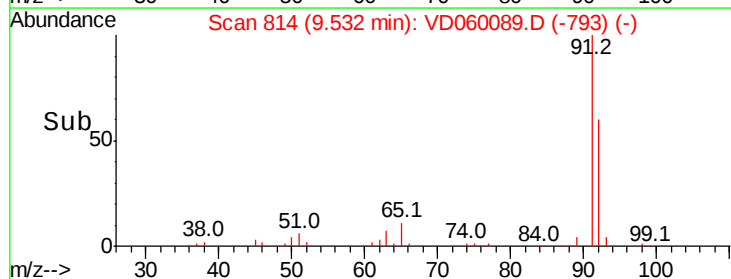
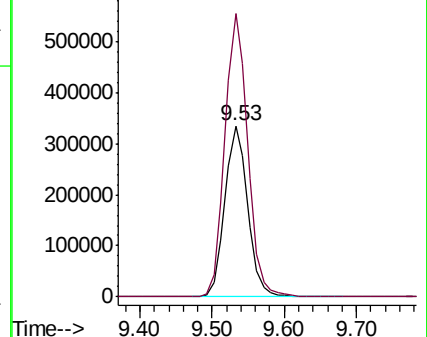
92 100

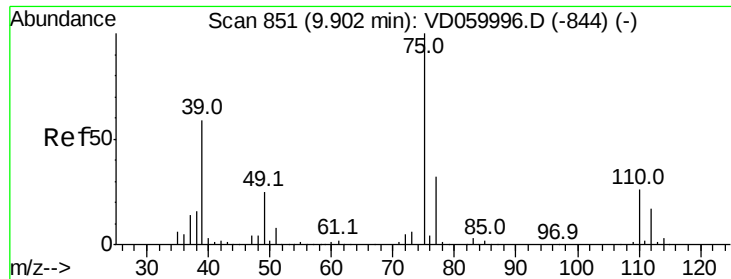
91 165.6 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.415 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

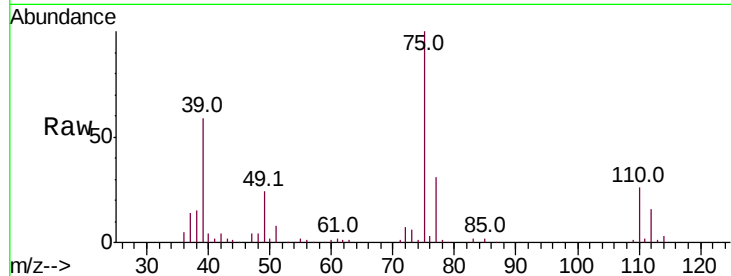
VD0925SBSD01

Tot Ion: 75 Resp: 365458

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.91

200000

150000

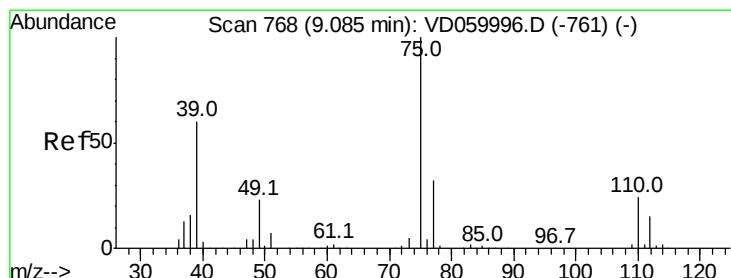
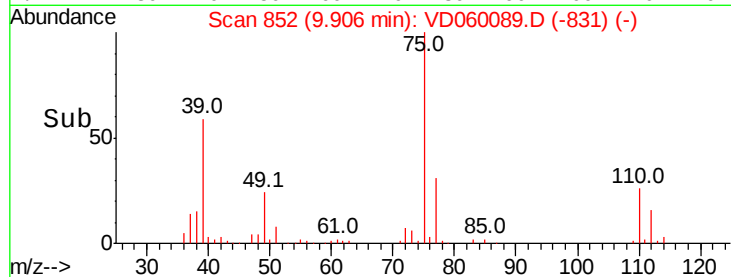
100000

50000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.561 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

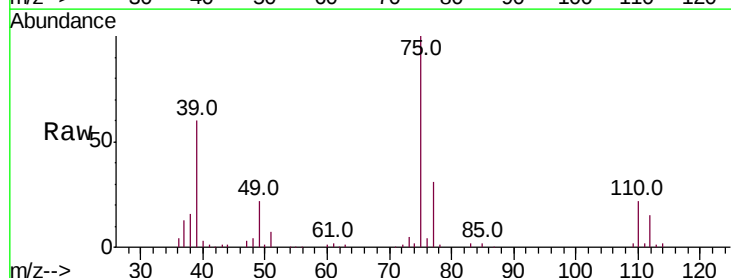
Tgt Ion: 75 Resp: 462421

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3

39 60.4 48.0 72.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.09

250000

200000

150000

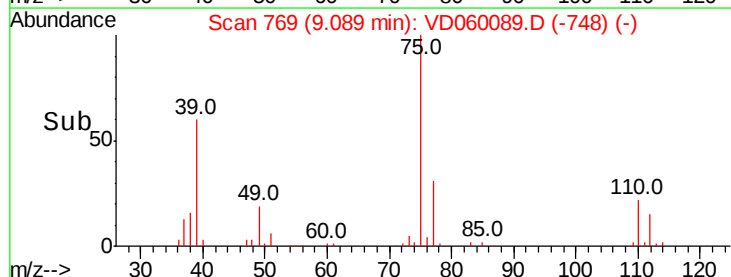
100000

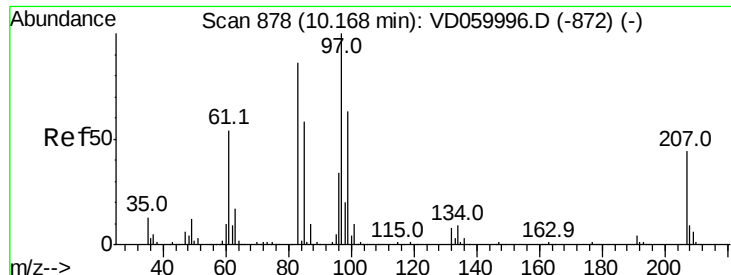
50000

0

9.00 9.10 9.20 9.30

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.050 ug/l

RT: 10.16 min Scan# 878

Delta R.T. -0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 97 Resp: 239407

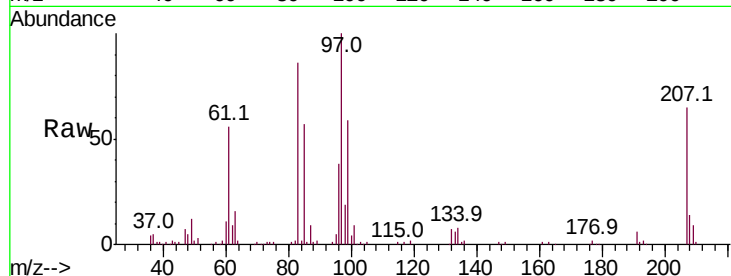
Ion Ratio Lower Upper

97 100

83 85.9 69.1 103.7

85 57.1 46.2 69.4

99 59.3 50.6 75.8

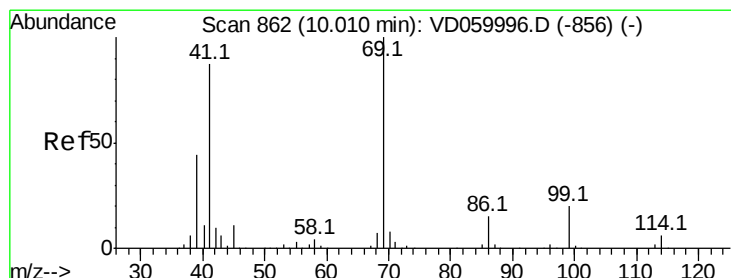
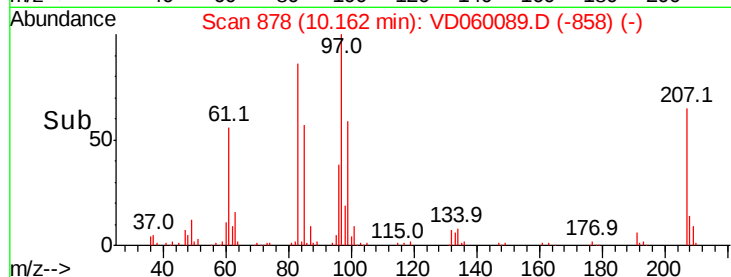
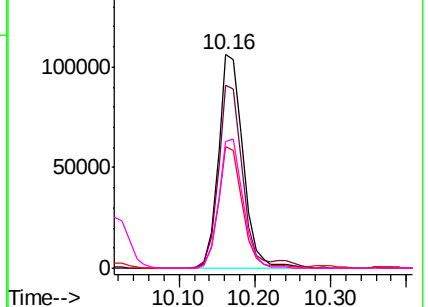


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.483 ug/l

RT: 10.01 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

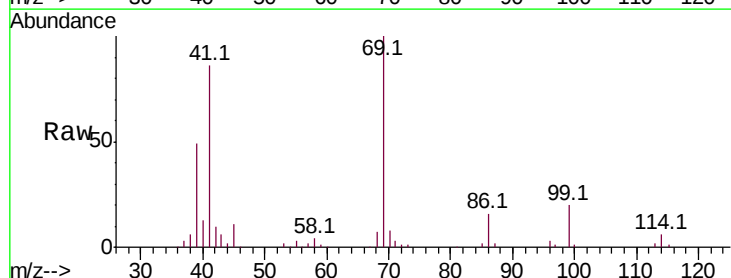
Tgt Ion: 69 Resp: 271290

Ion Ratio Lower Upper

69 100

41 86.4 70.1 105.1

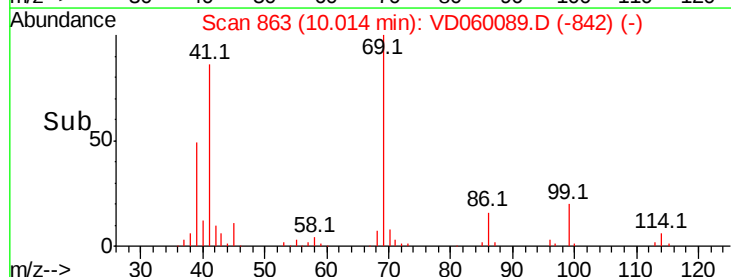
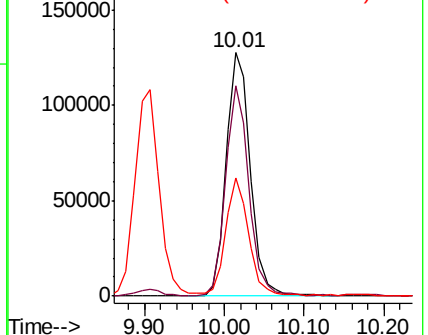
39 48.8 36.5 54.7

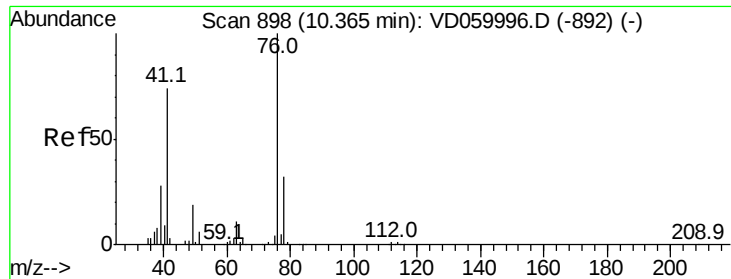


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

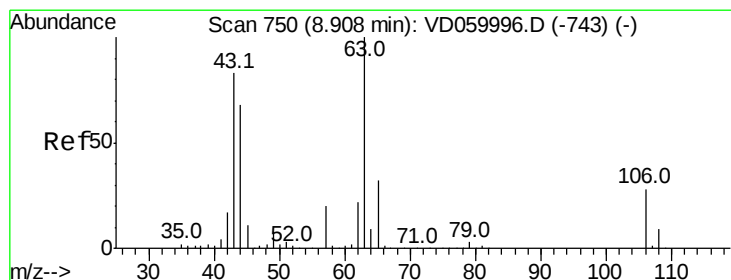
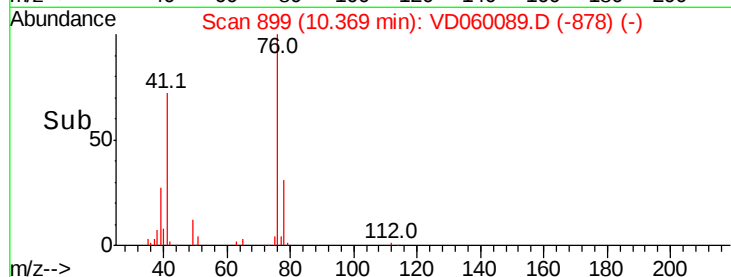
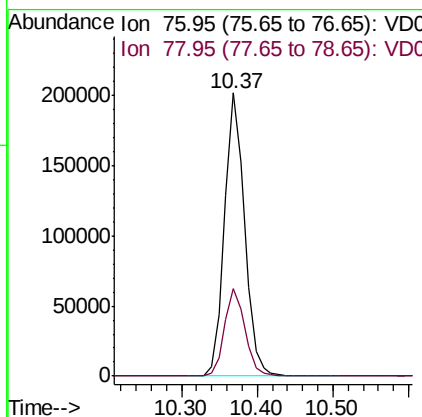
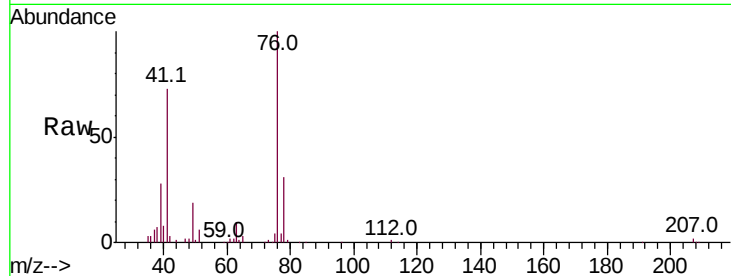




#57
 1,3-Dichloropropane
 Concen: 21.067 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

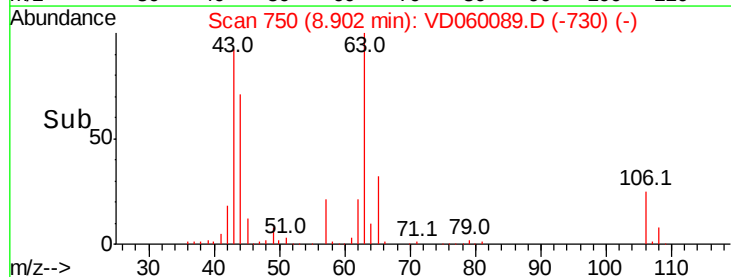
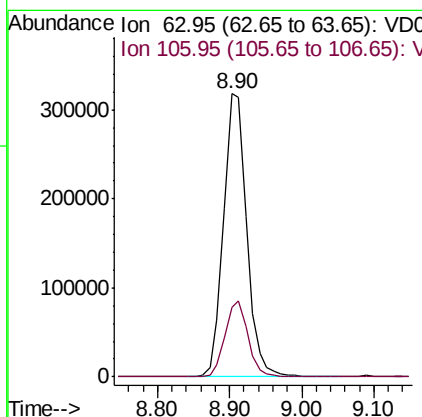
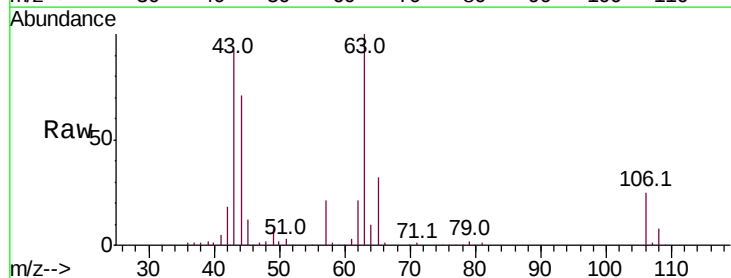
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBSD01

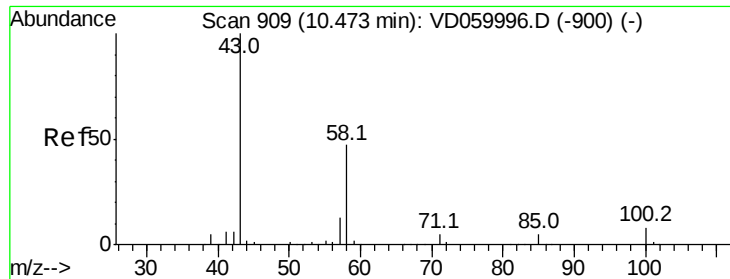
Tot Ion: 76 Resp: 371330
 Ion Ratio Lower Upper
 76 100
 78 30.8 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.223 ug/l
 RT: 8.90 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion: 63 Resp: 711342
 Ion Ratio Lower Upper
 63 100
 106 24.7 22.0 33.0

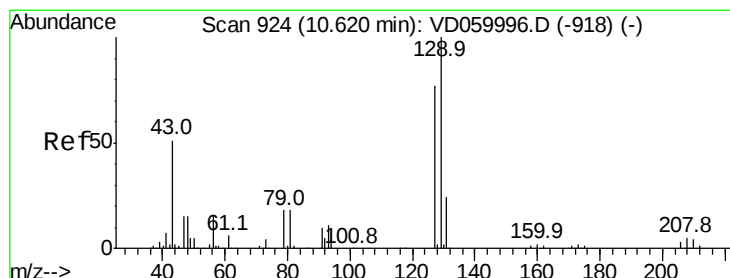
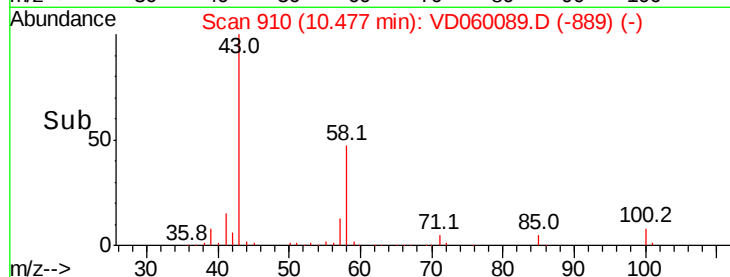
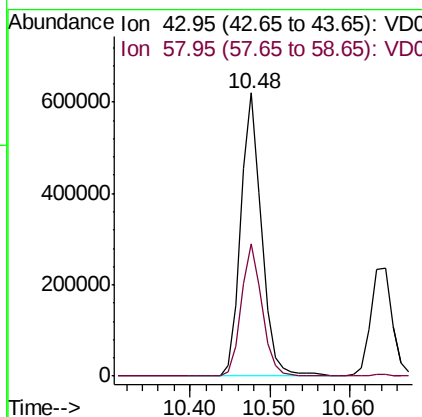
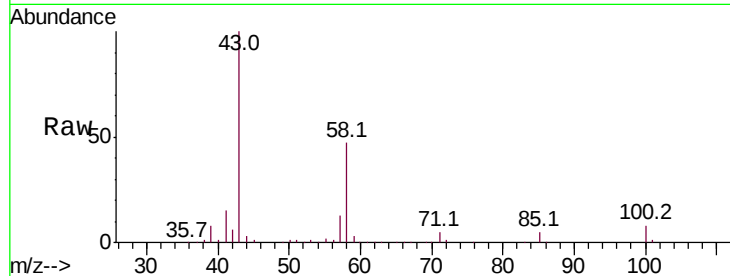




#59
2-Hexanone
Concen: 109.893 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

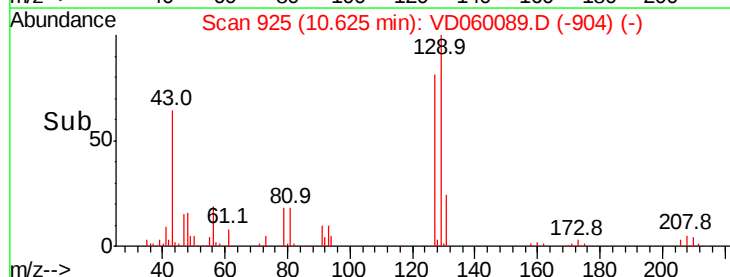
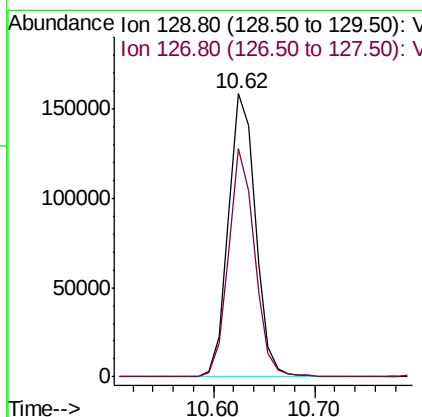
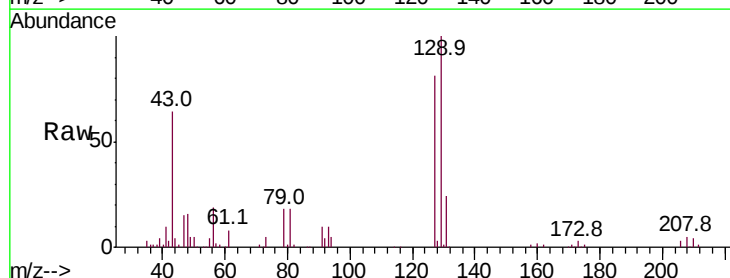
Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

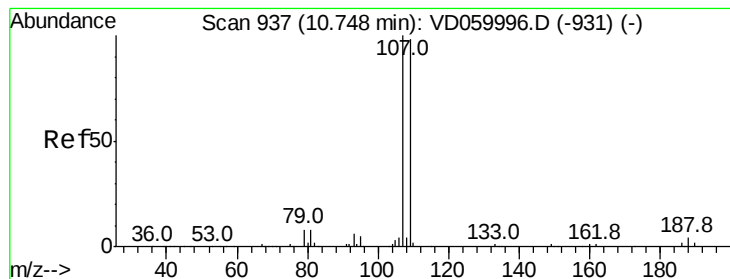
Tot Ion: 43 Resp: 1119109
Ion Ratio Lower Upper
43 100
58 46.9 23.4 70.0



#60
Dibromochloromethane
Concen: 20.339 ug/l
RT: 10.62 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion: 129 Resp: 295599
Ion Ratio Lower Upper
129 100
127 80.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.657 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

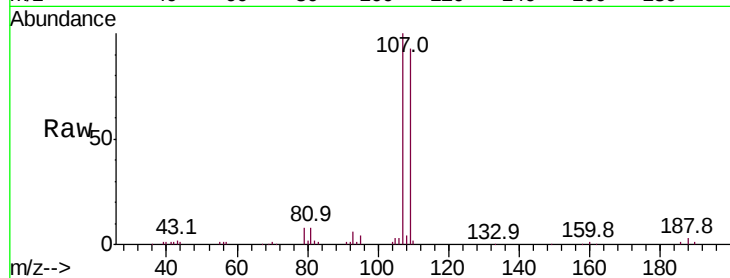
VD0925SBSD01

Tot Ion:107 Resp: 254677

Ion Ratio Lower Upper

107 100

109 92.9 78.2 117.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.74

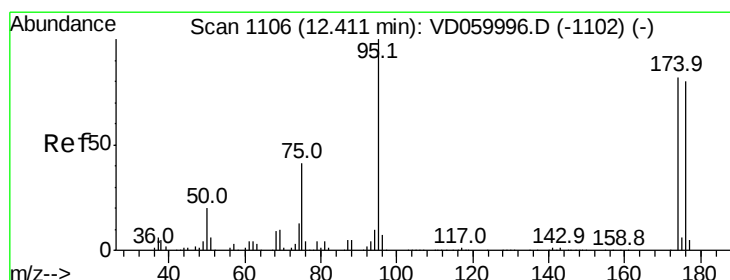
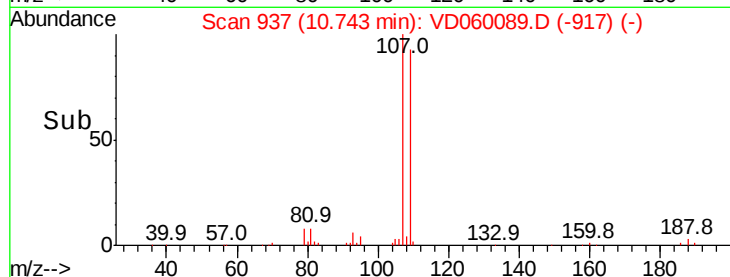
150000

100000

50000

0

Time--> 10.60 10.70 10.80 10.90



#62

4-Bromofluorobenzene

Concen: 20.657 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

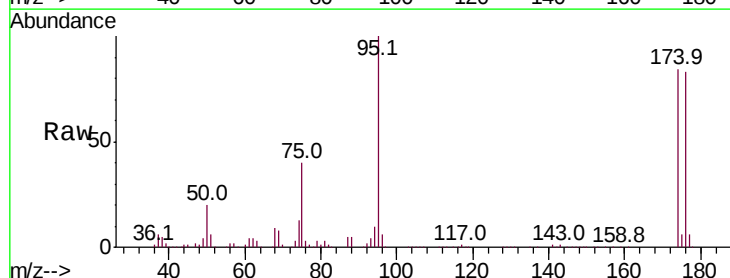
Tgt Ion: 95 Resp: 914255

Ion Ratio Lower Upper

95 100

174 84.2 0.0 165.0

176 82.7 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

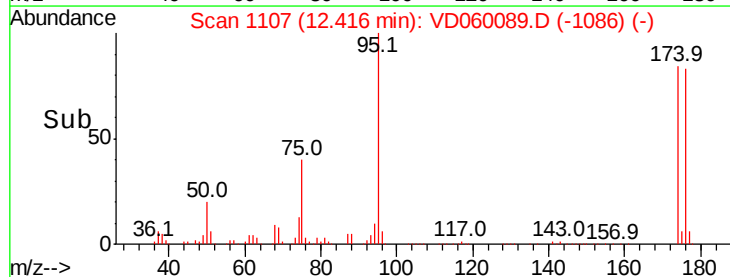
600000

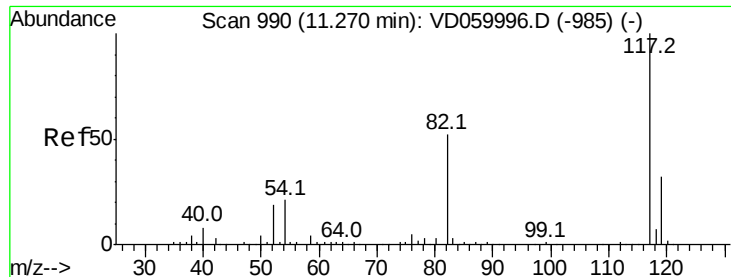
400000

200000

0

Time--> 12.30 12.40 12.50

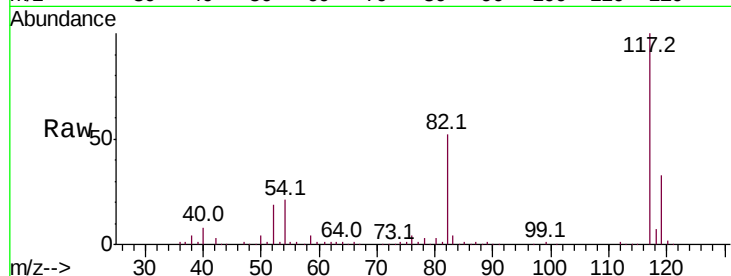




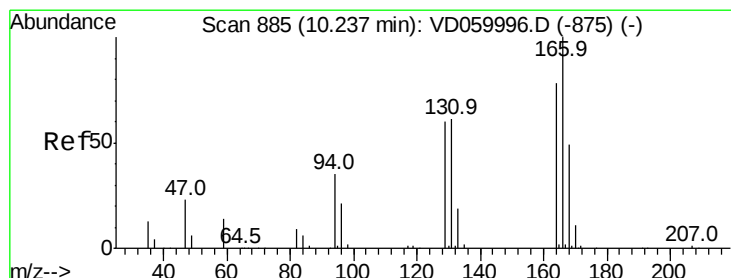
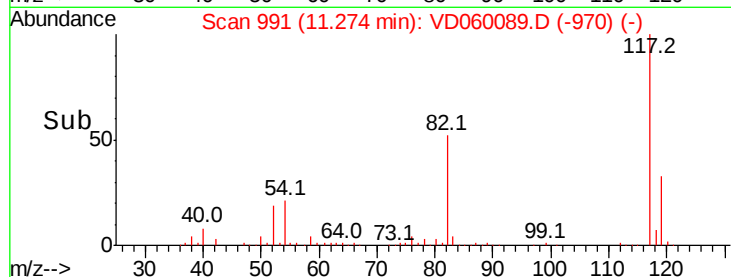
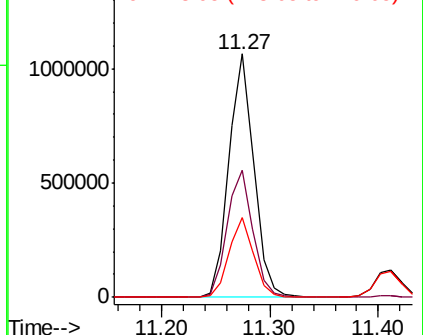
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Tot Ion:117 Resp: 1718991
Ion Ratio Lower Upper
117 100
82 52.4 41.7 62.5
119 32.8 26.0 39.0

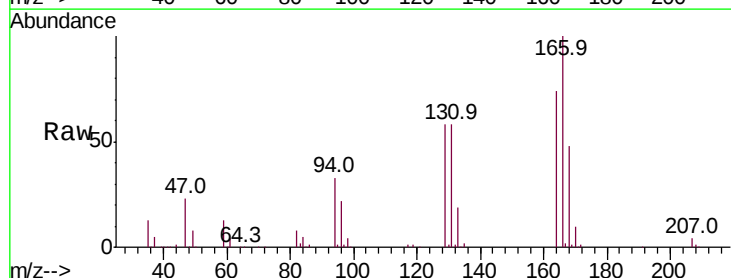


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

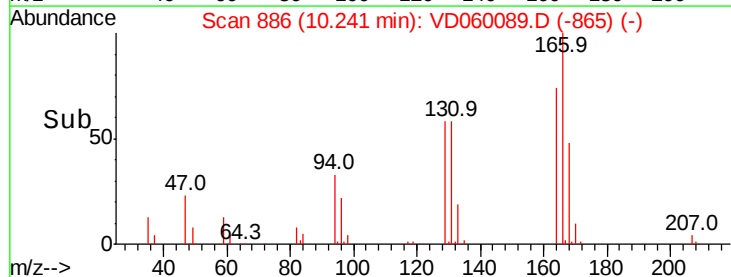
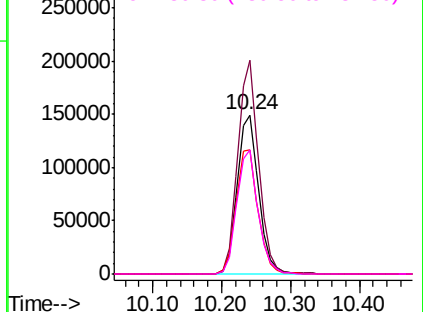


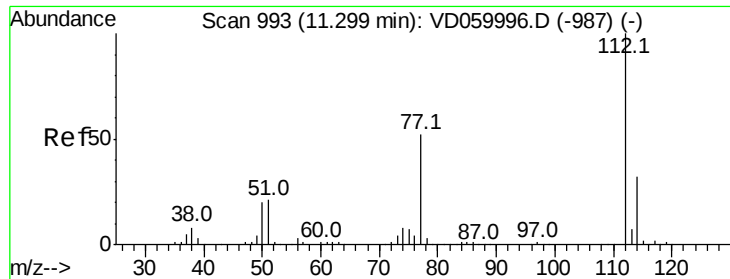
#64
Tetrachloroethene
Concen: 21.168 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion:164 Resp: 321048
Ion Ratio Lower Upper
164 100
166 134.3 103.0 154.6
129 77.8 61.9 92.9
131 77.9 62.6 93.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.983 ug/l

RT: 11.30 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

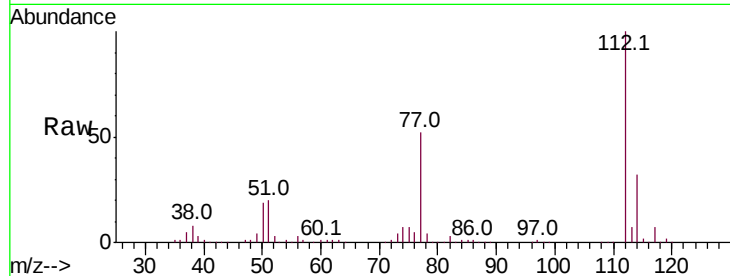
VD0925SBSD01

Tot Ion:112 Resp: 812449

Ion Ratio Lower Upper

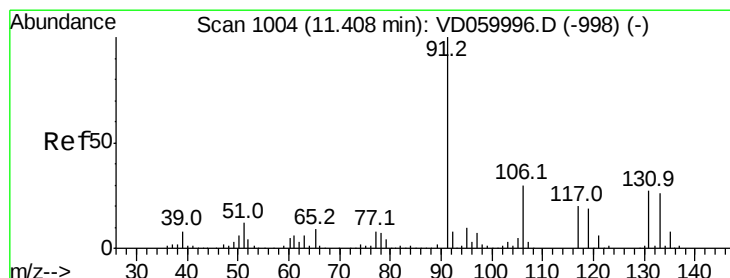
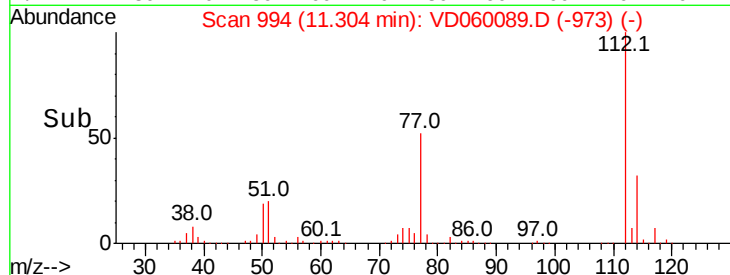
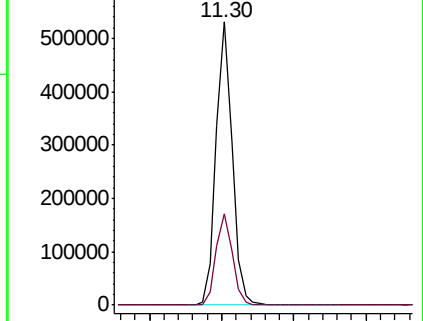
112 100

114 32.4 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.609 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

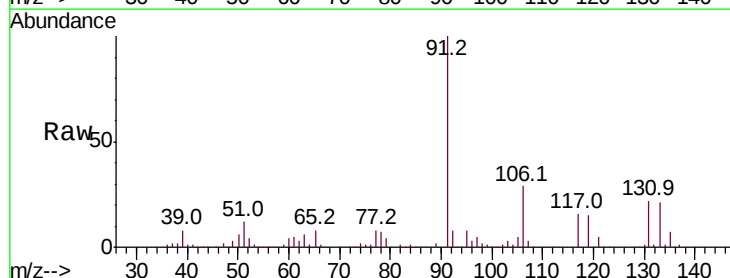
Tgt Ion:131 Resp: 281827

Ion Ratio Lower Upper

131 100

133 95.2 47.4 142.3

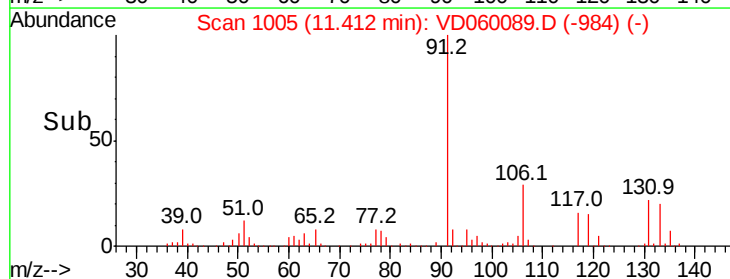
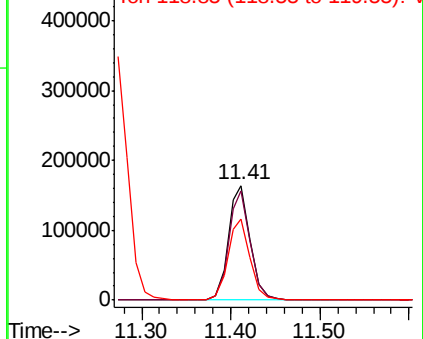
119 70.4 35.6 106.9

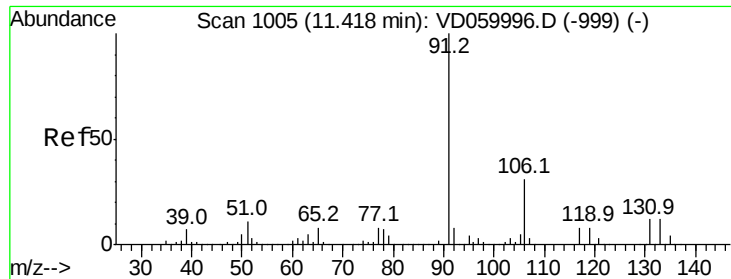


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

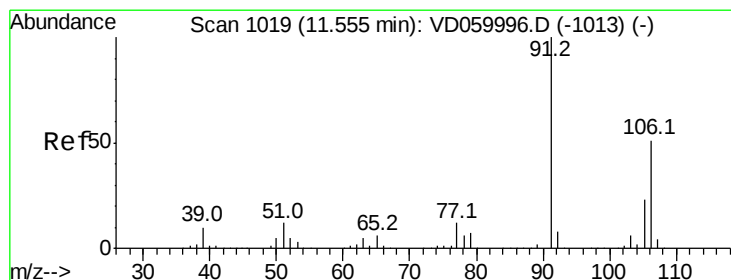
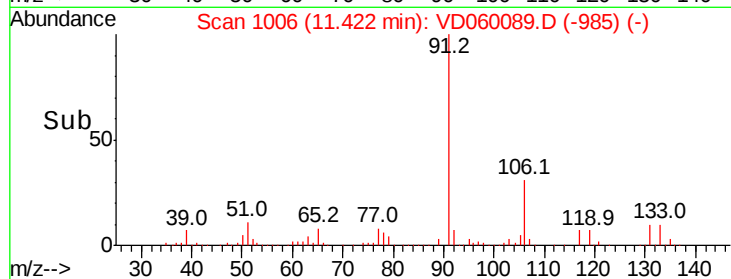
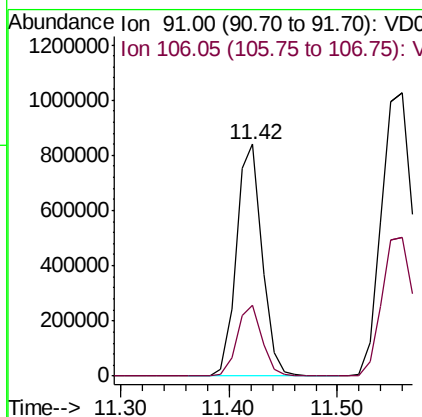
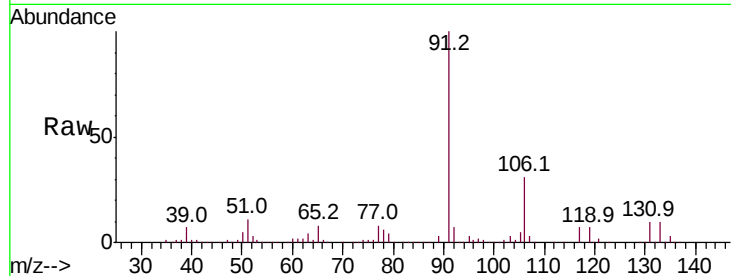




#67
Ethyl Benzene
Concen: 23.323 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

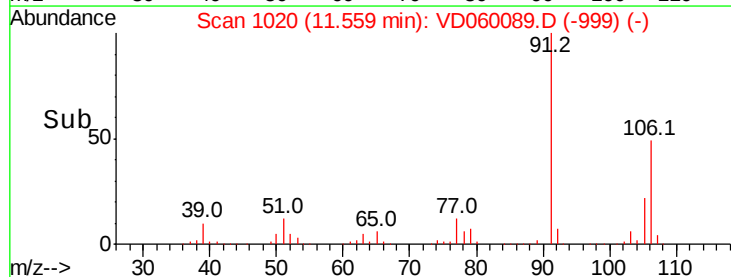
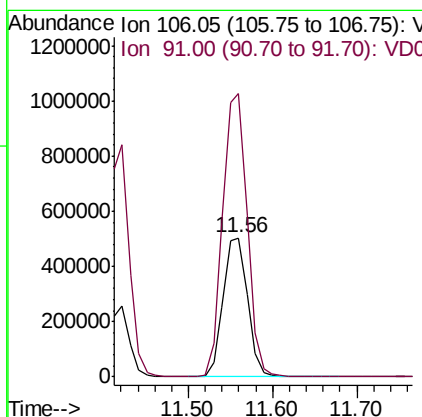
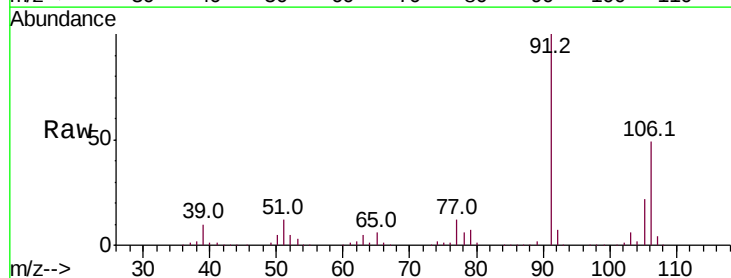
Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

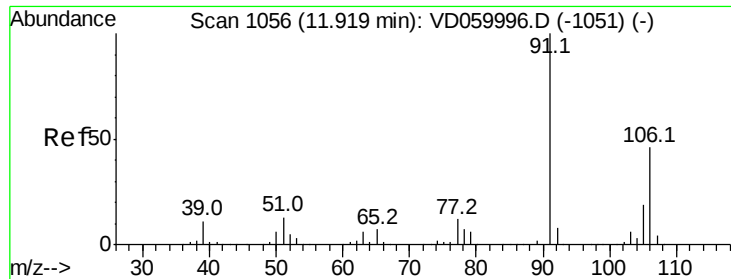
Tot Ion: 91 Resp: 1387164
Ion Ratio Lower Upper
91 100
106 30.8 24.8 37.2



#68
m/p-Xylenes
Concen: 46.045 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion:106 Resp: 1011389
Ion Ratio Lower Upper
106 100
91 203.3 157.0 235.6

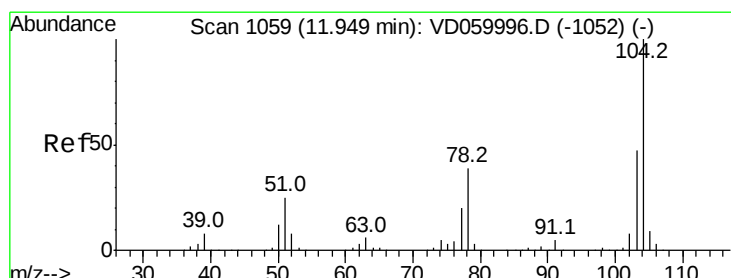
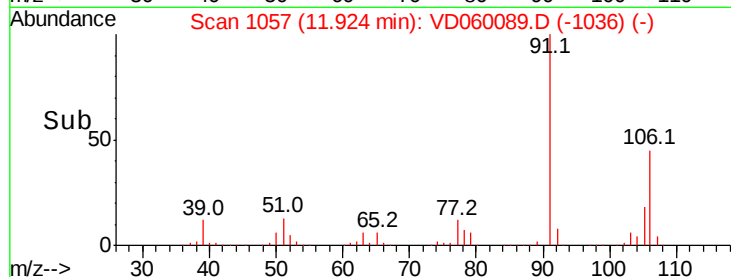
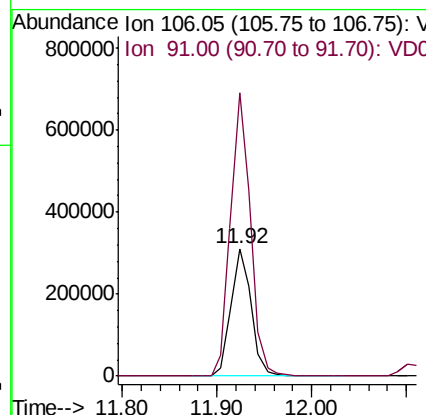
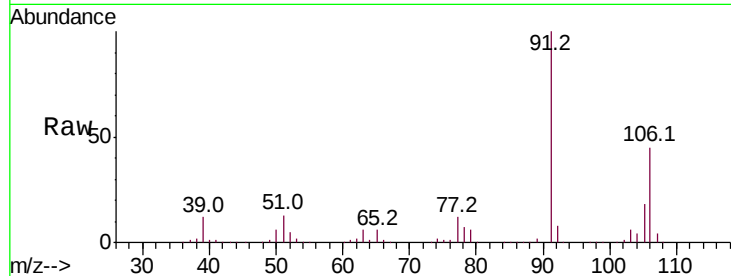




#69
o-Xylene
Concen: 21.148 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

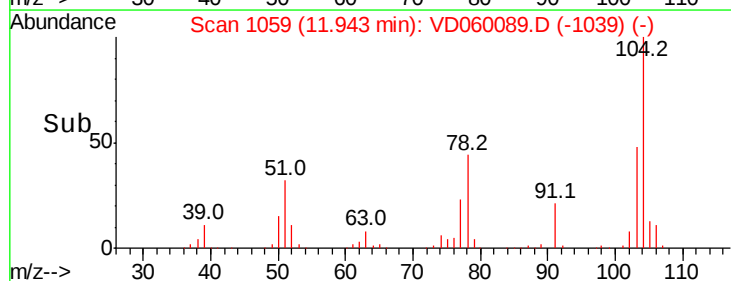
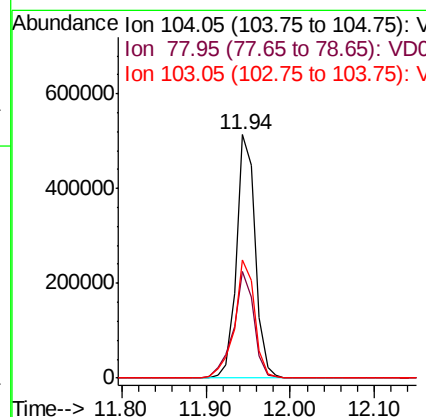
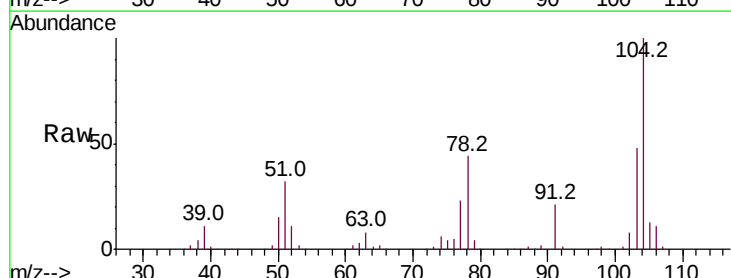
Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

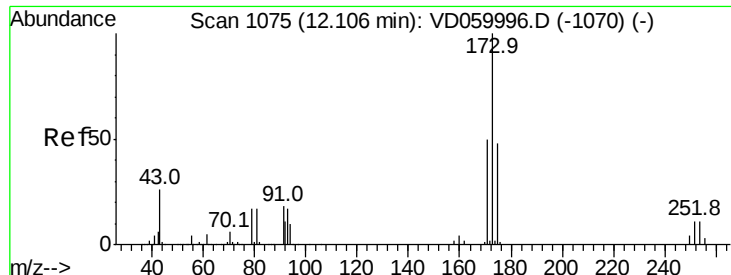
Tot Ion:106 Resp: 460268
Ion Ratio Lower Upper
106 100
91 222.5 107.7 323.1



#70
Styrene
Concen: 21.655 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion:104 Resp: 792478
Ion Ratio Lower Upper
104 100
78 43.9 31.0 46.4
103 48.5 37.6 56.4

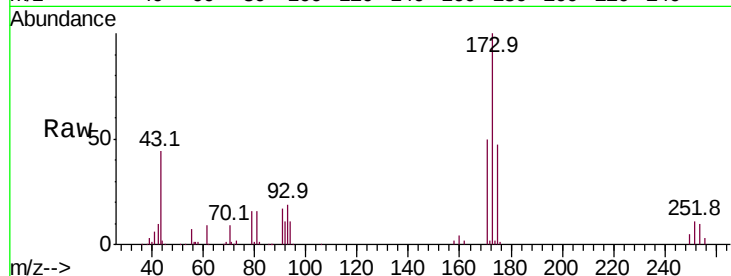




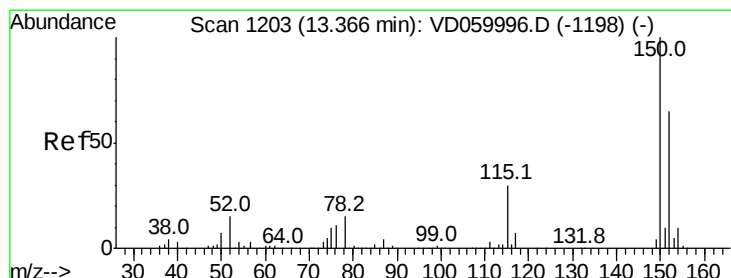
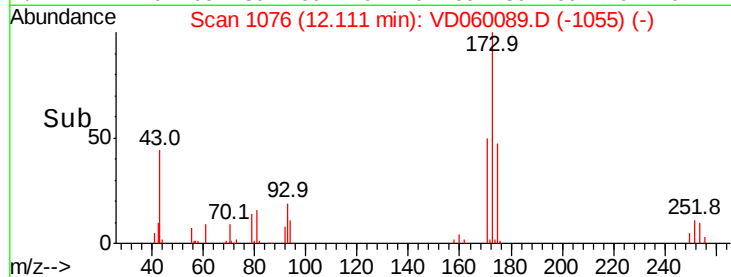
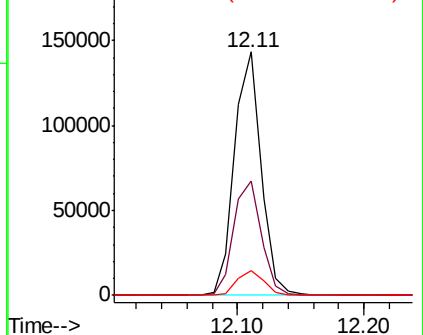
#71
Bromoform
Concen: 19.419 ug/l
RT: 12.11 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Tot Ion:173 Resp: 207967
Ion Ratio Lower Upper
173 100
175 47.0 24.0 72.0
254 9.9 8.6 13.0

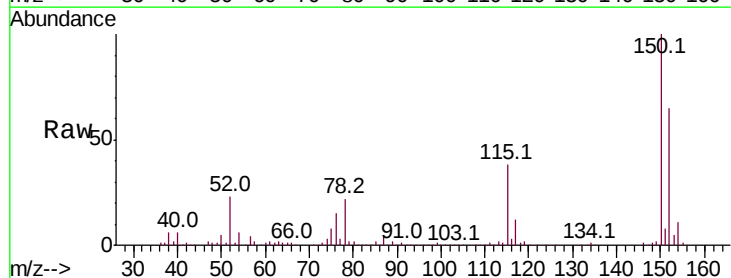


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

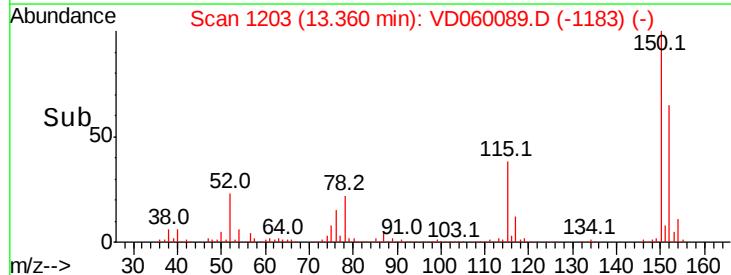
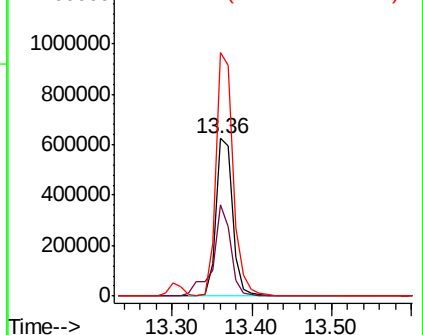


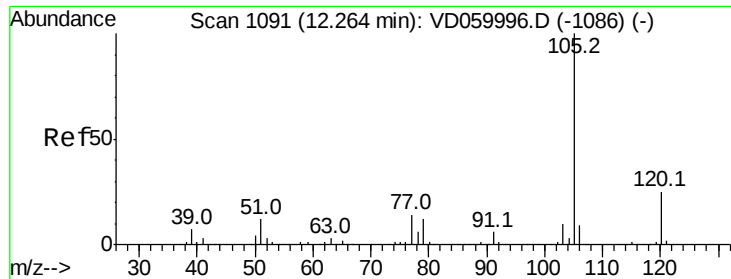
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion:152 Resp: 922140
Ion Ratio Lower Upper
152 100
115 58.3 24.6 73.8
150 154.3 0.0 313.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.707 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

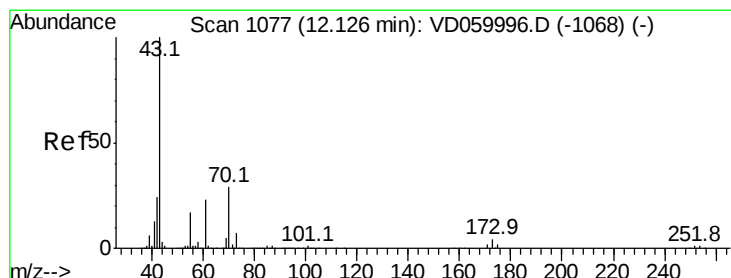
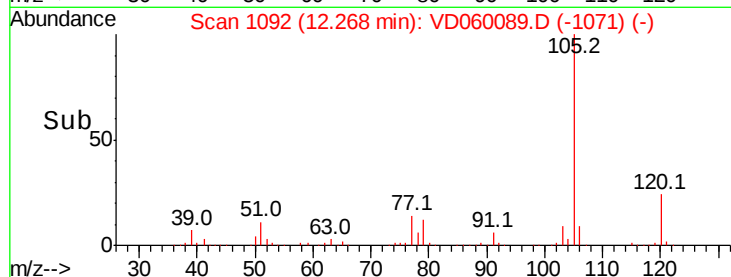
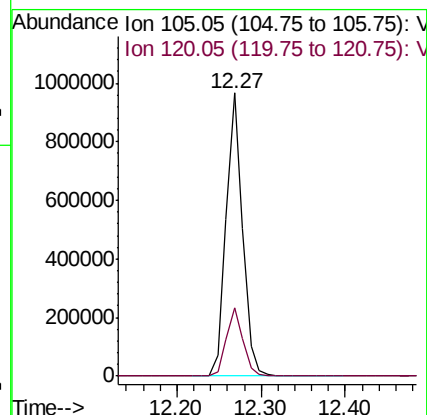
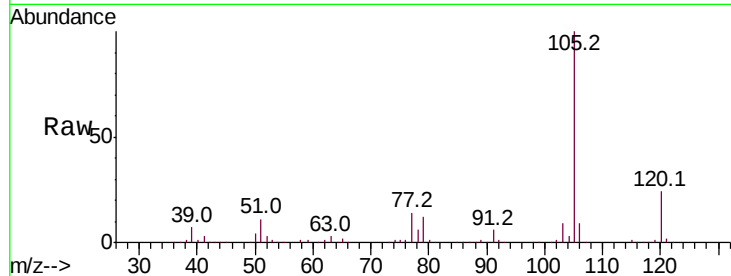
VD0925SBS01

Tot Ion:105 Resp: 1312828

Ion Ratio Lower Upper

105 100

120 24.2 12.3 36.9



#74

N-ethyl acetate

Concen: 20.372 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Tgt Ion: 43 Resp: 488024

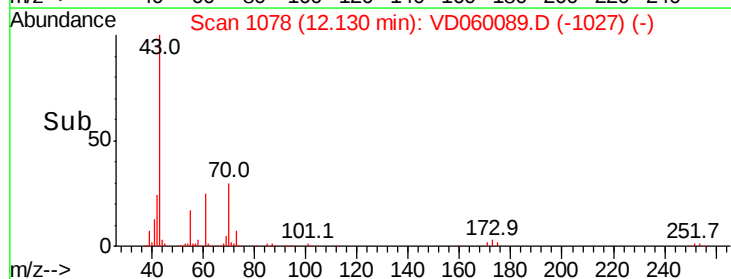
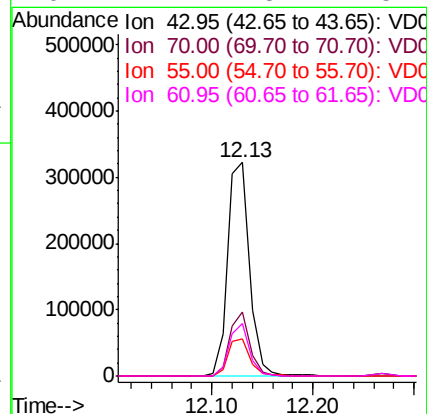
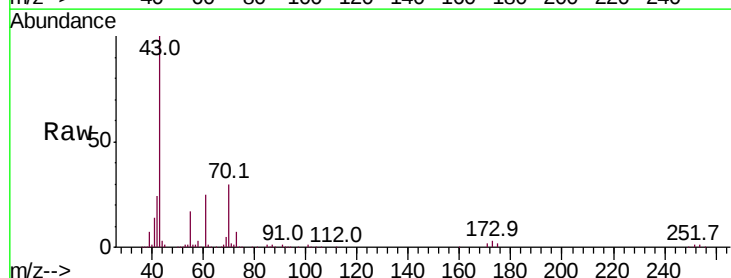
Ion Ratio Lower Upper

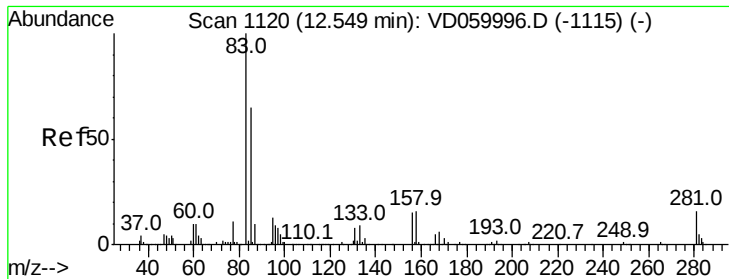
43 100

70 29.8 22.9 34.3

55 17.4 14.0 21.0

61 24.7 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.420 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

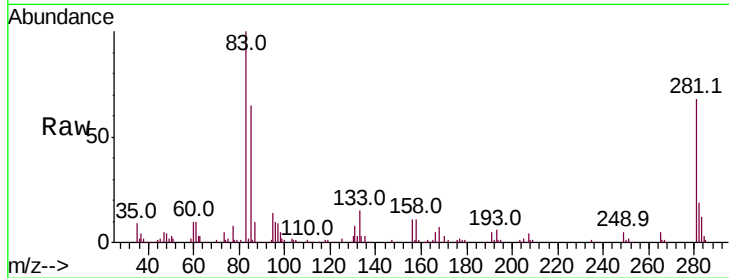
Tot Ion: 83 Resp: 280161

Ion Ratio Lower Upper

83 100

131 8.3 4.1 12.3

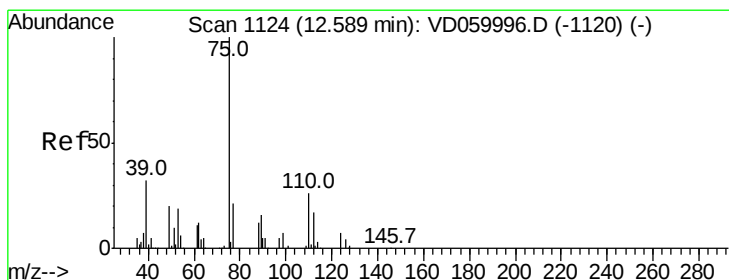
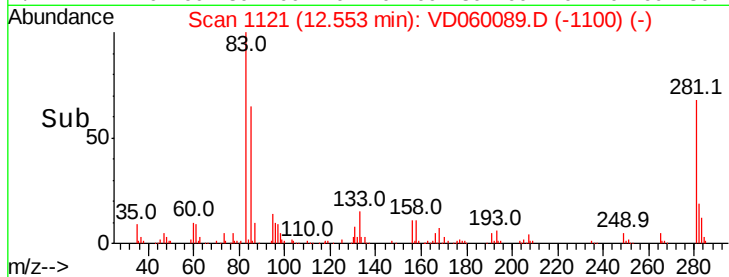
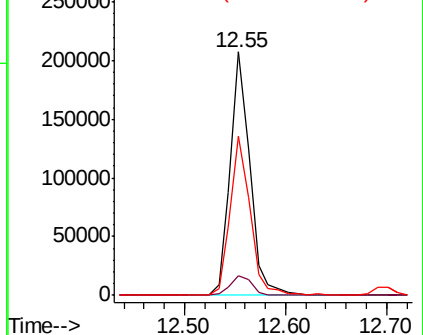
85 65.2 32.4 97.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.361 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VD060089.D

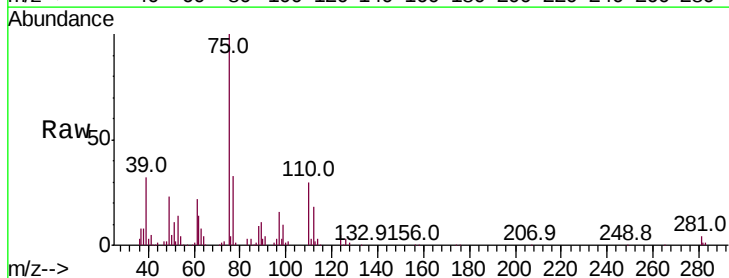
Acq: 25 Sep 2018 13:17

Tgt Ion: 75 Resp: 286760

Ion Ratio Lower Upper

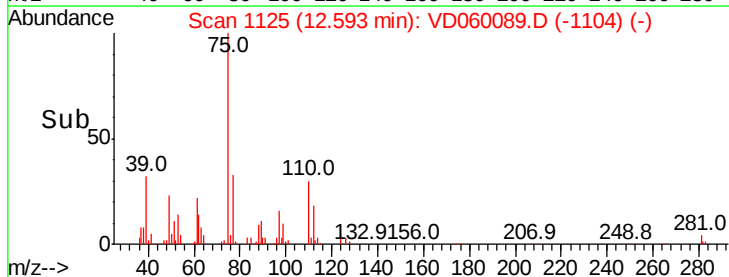
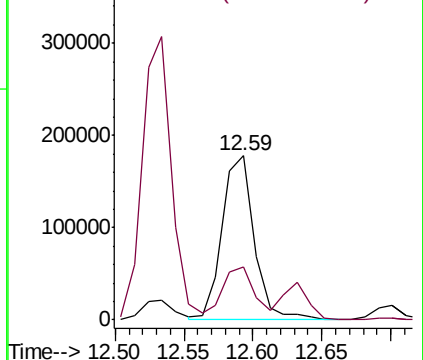
75 100

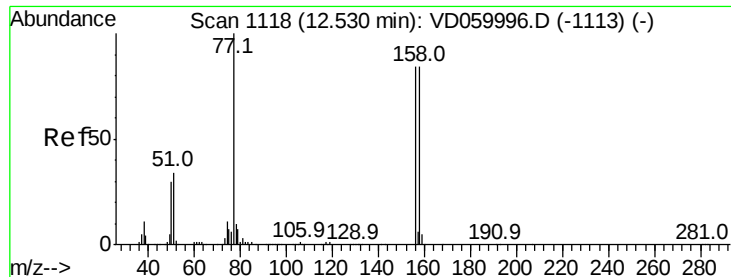
77 32.7 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.207 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

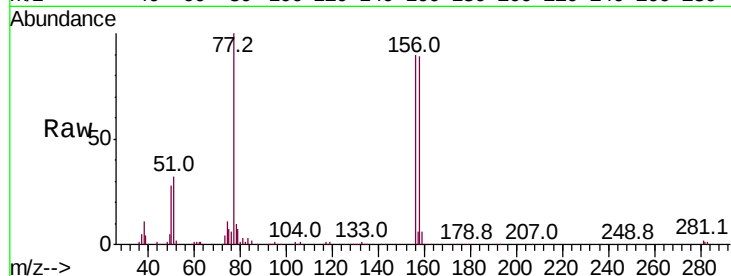
Tot Ion:156 Resp: 369454

Ion Ratio Lower Upper

156 100

77 111.3 59.5 178.4

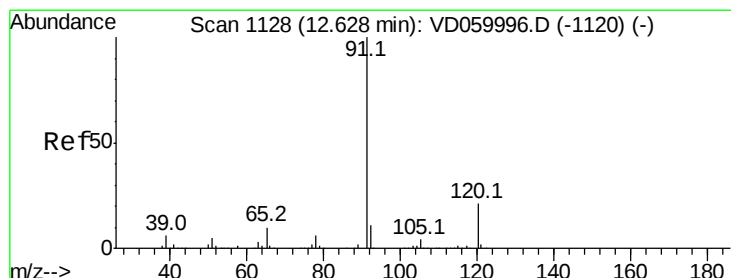
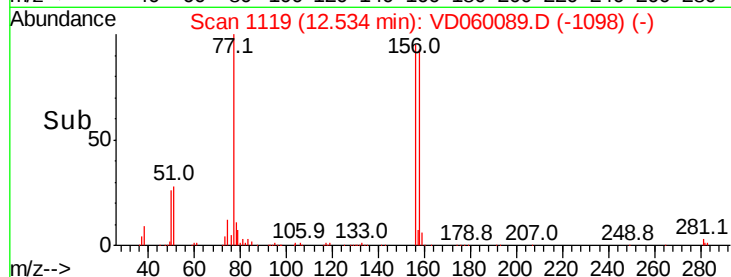
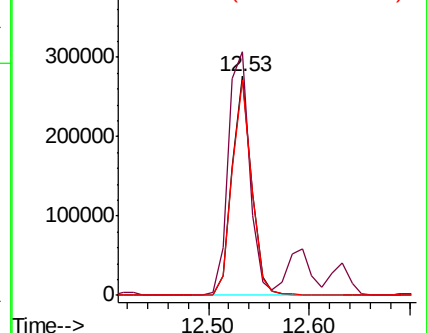
158 98.7 50.0 149.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.785 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VD060089.D

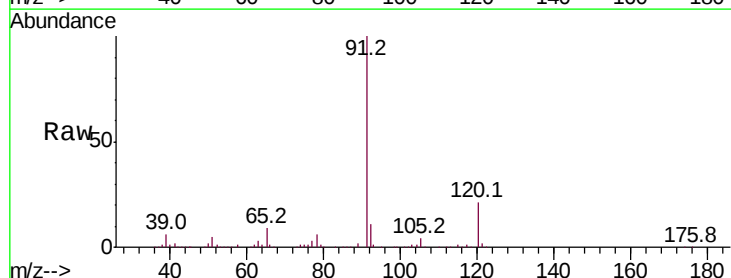
Acq: 25 Sep 2018 13:17

Tgt Ion: 91 Resp: 1580741

Ion Ratio Lower Upper

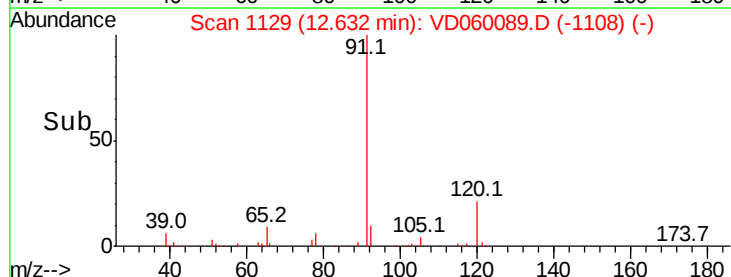
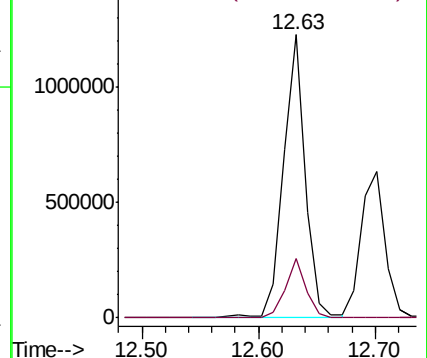
91 100

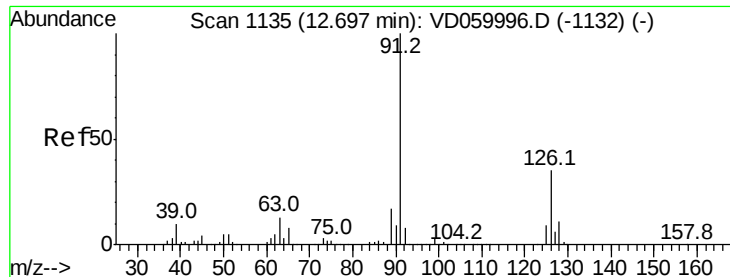
120 21.0 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

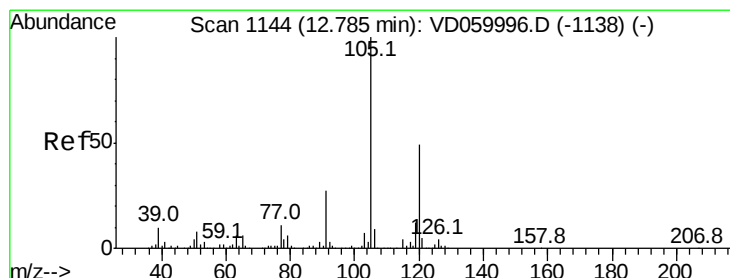
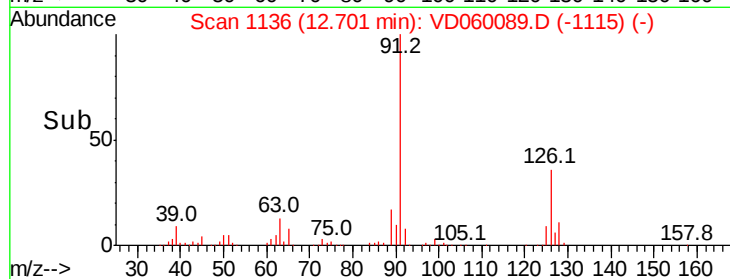
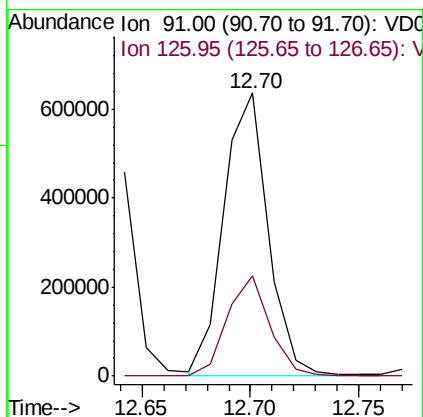
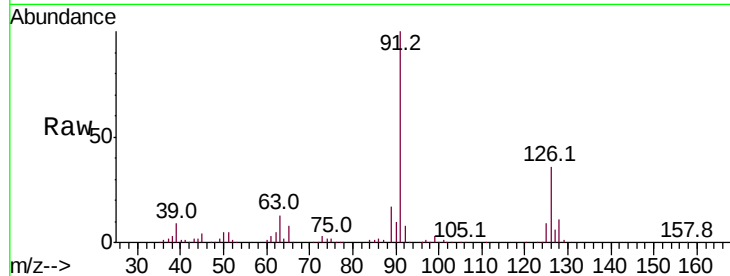




#79
 2-Chlorotoluene
 Concen: 21.073 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

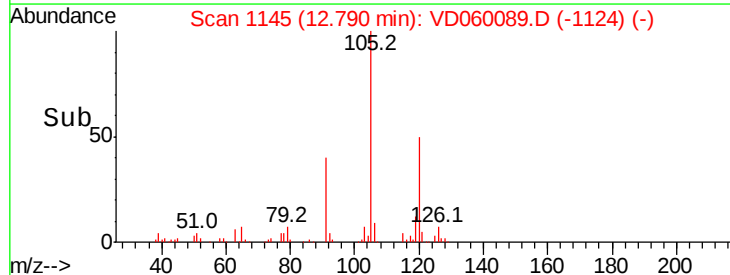
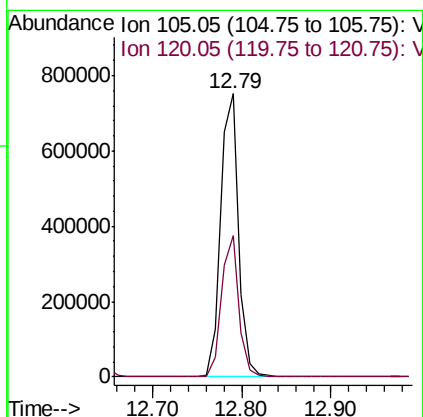
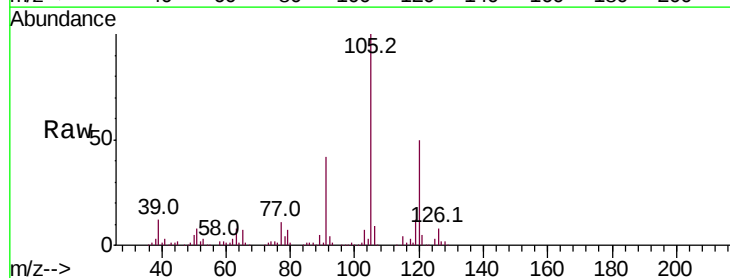
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBSD01

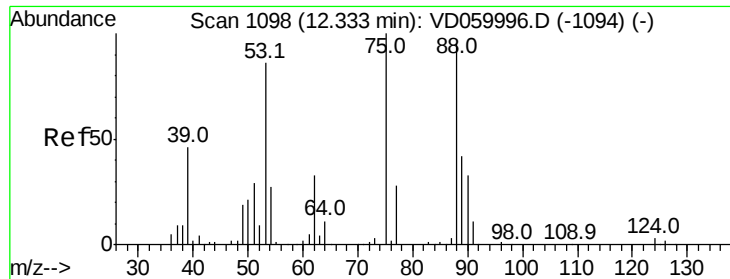
Tot Ion: 91 Resp: 904573
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 22.982 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion:105 Resp: 1065347
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.346 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

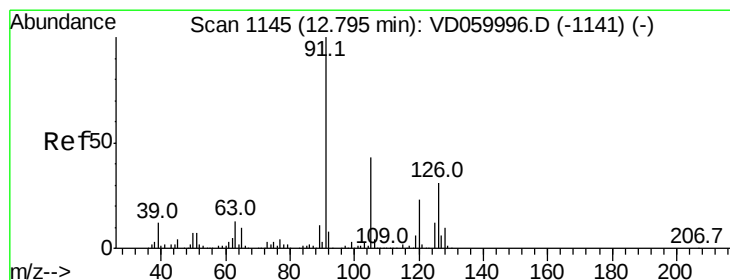
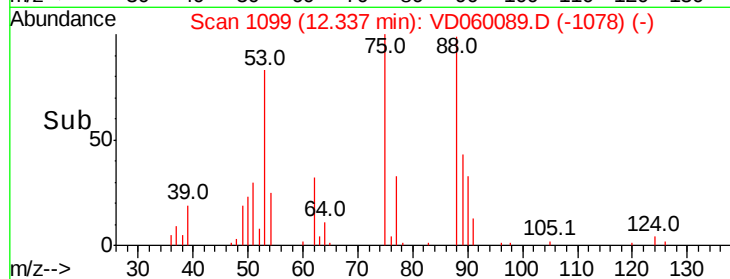
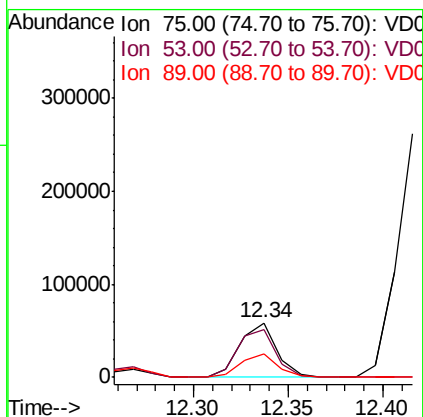
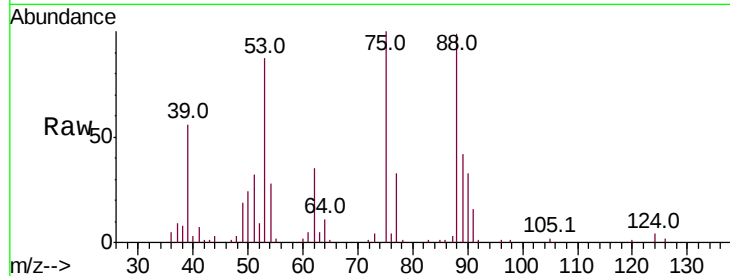
Tot Ion: 75 Resp: 77993

Ion Ratio Lower Upper

75 100

53 87.1 68.4 102.6

89 42.2 33.8 50.6



#82

4-Chlorotoluene

Concen: 22.801 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060089.D

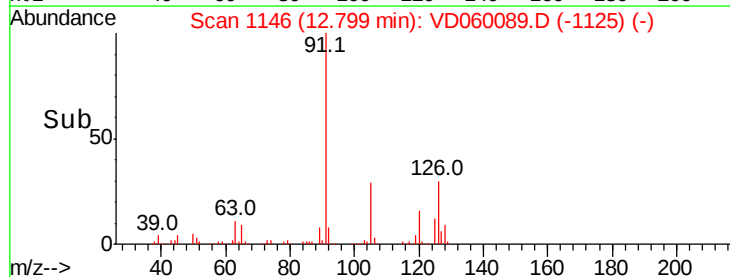
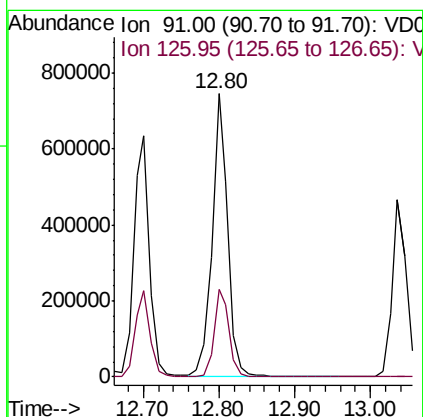
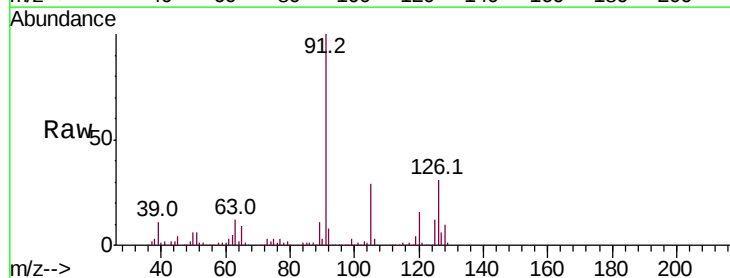
Acq: 25 Sep 2018 13:17

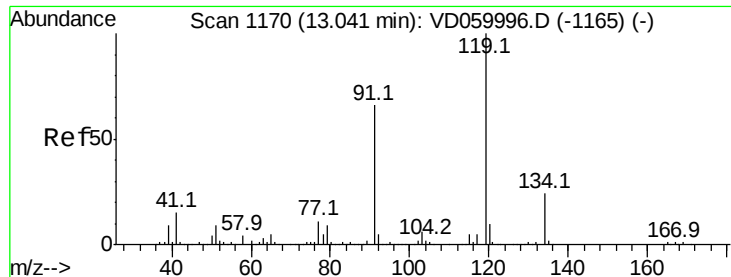
Tgt Ion: 91 Resp: 1076044

Ion Ratio Lower Upper

91 100

126 30.8 15.4 46.1

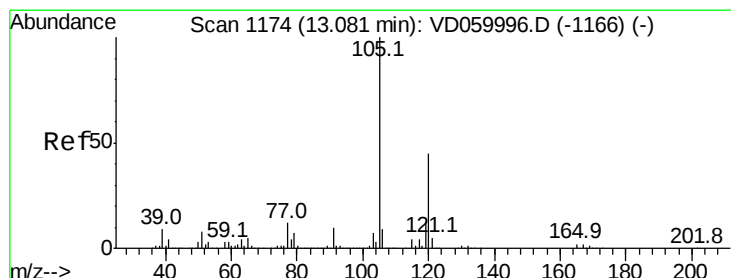
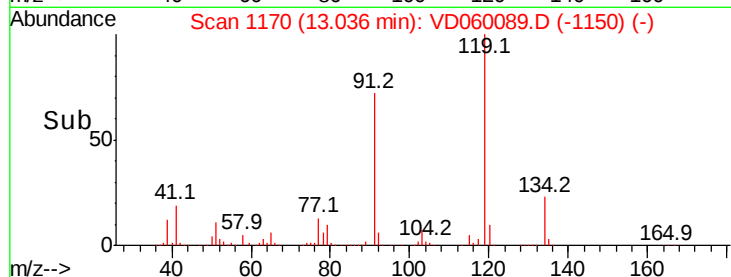
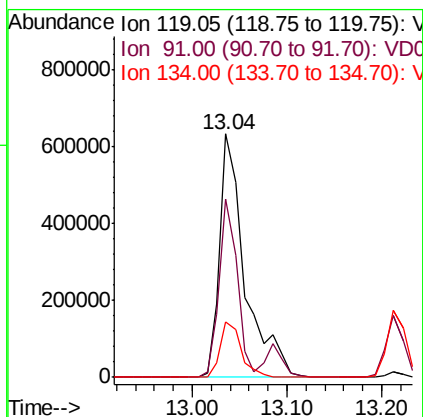
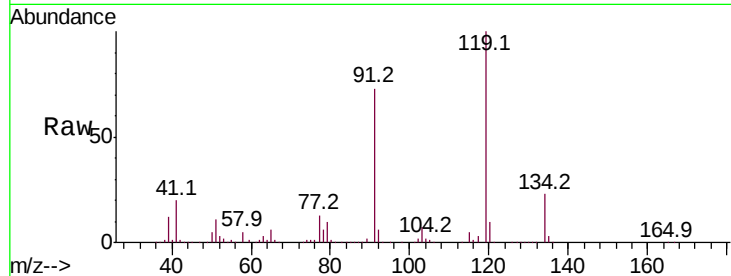




#83
tert-Butylbenzene
Concen: 21.932 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

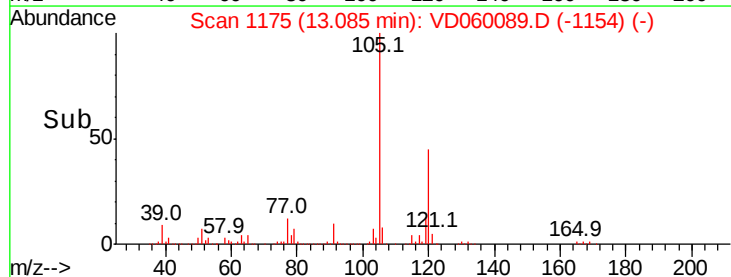
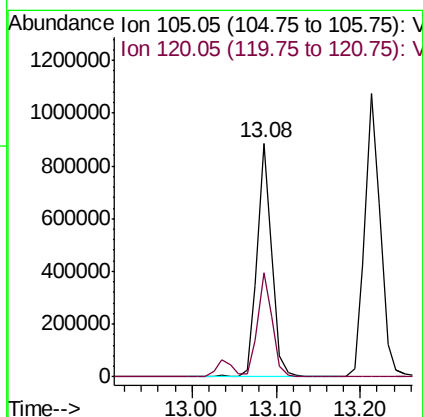
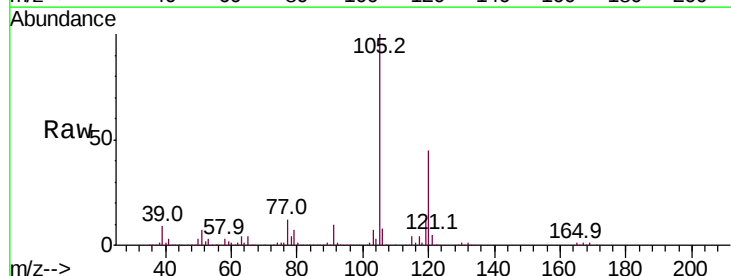
Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

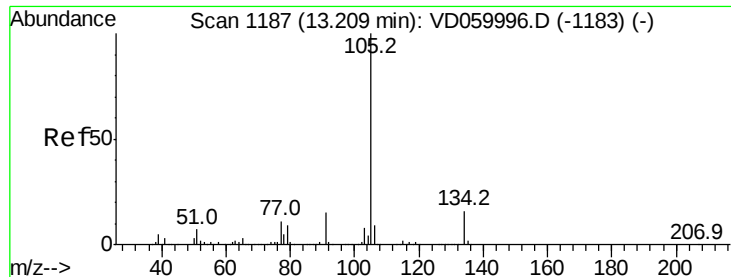
Tot Ion:119 Resp: 1177772
Ion Ratio Lower Upper
119 100
91 73.5 32.9 98.6
134 22.9 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 22.191 ug/l
RT: 13.08 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion:105 Resp: 1097715
Ion Ratio Lower Upper
105 100
120 44.6 22.4 67.0

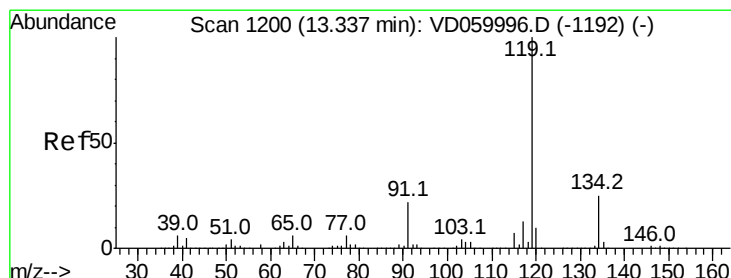
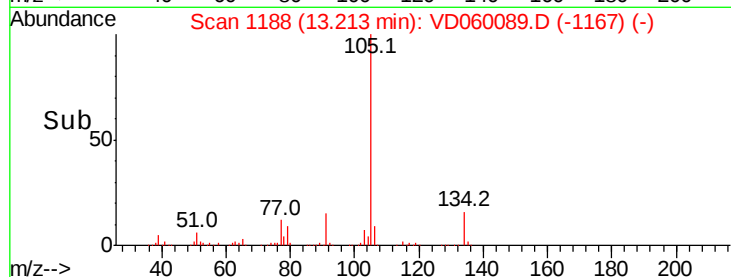
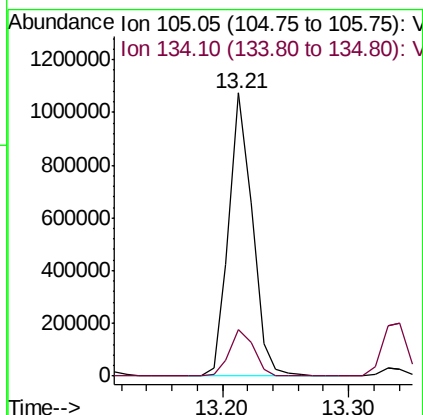
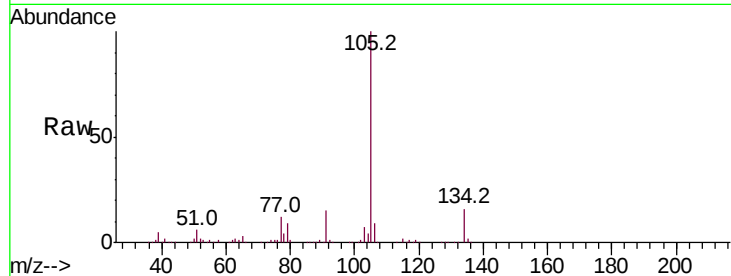




#85
 sec-Butylbenzene
 Concen: 21.737 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

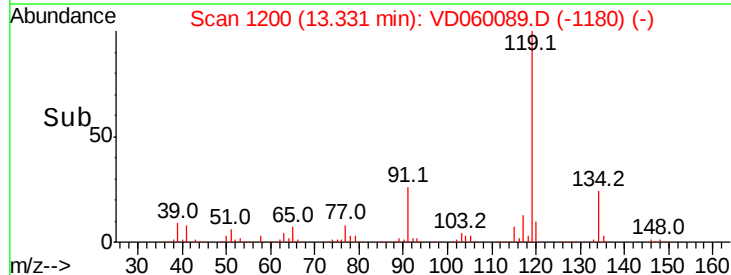
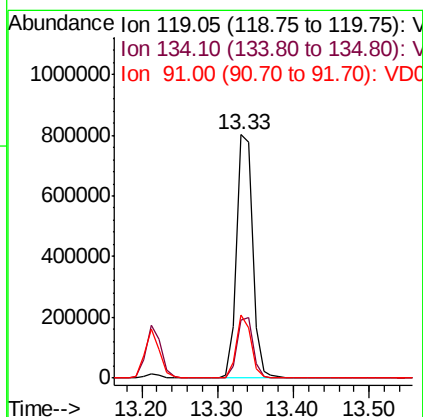
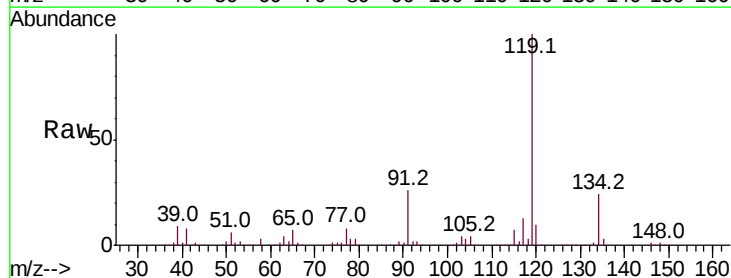
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

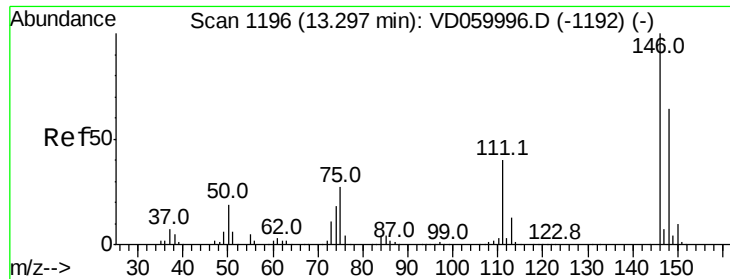
Tot Ion:105 Resp: 1385655
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 22.437 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion:119 Resp: 1156838
 Ion Ratio Lower Upper
 119 100
 134 23.6 12.8 38.3
 91 25.7 11.1 33.3

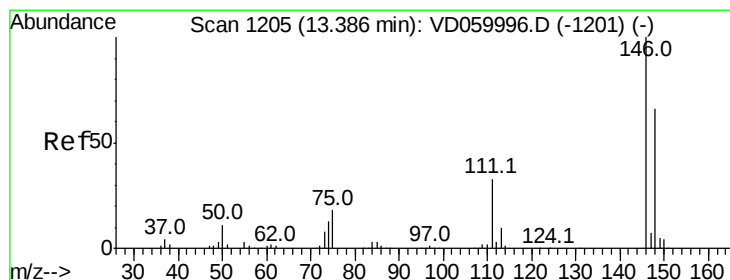
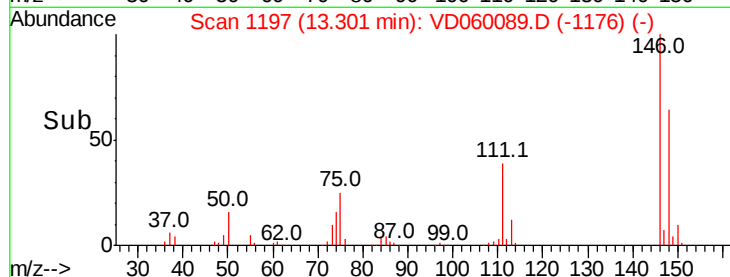
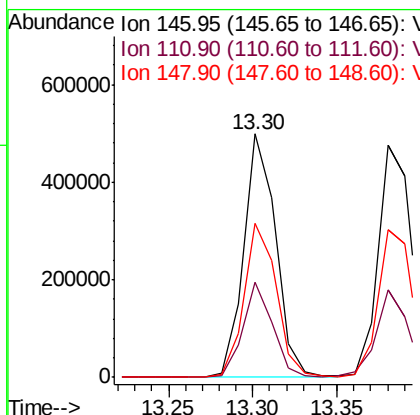
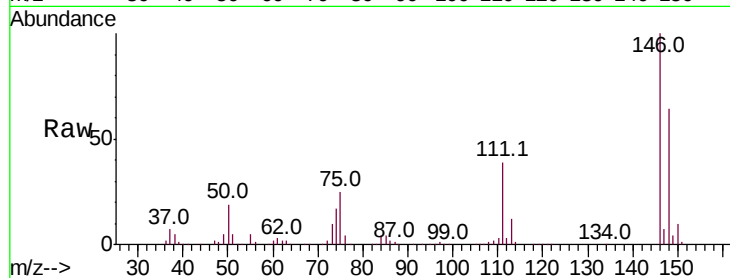




#87
 1,3-Dichlorobenzene
 Concen: 21.712 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

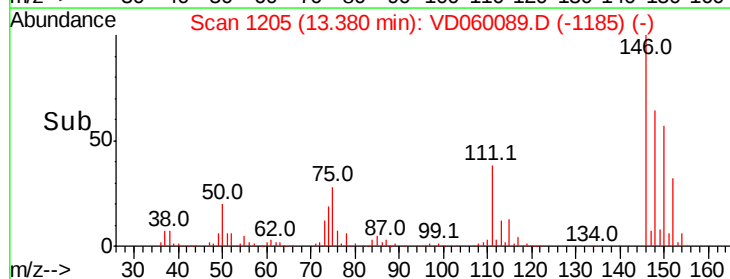
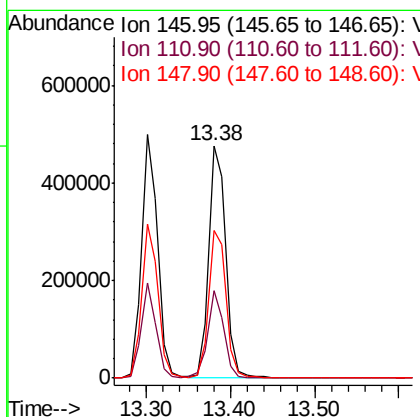
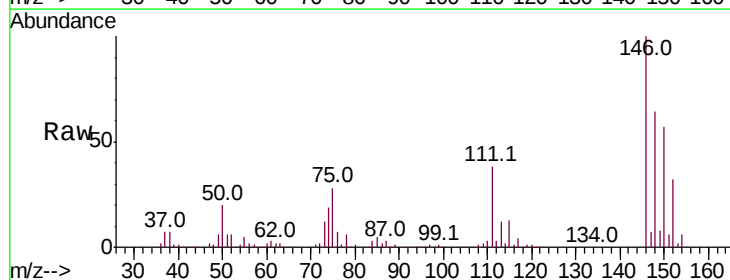
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBSD01

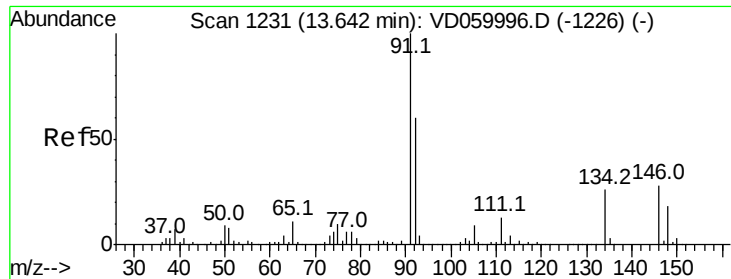
Tot Ion:146 Resp: 657772
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.2 60.5
 148 63.5 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.703 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion:146 Resp: 666901
 Ion Ratio Lower Upper
 146 100
 111 37.7 16.7 50.0
 148 63.6 32.9 98.6

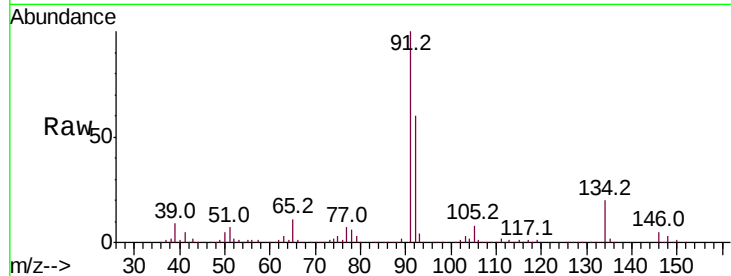




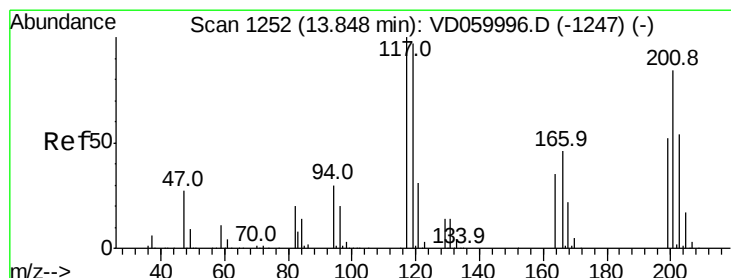
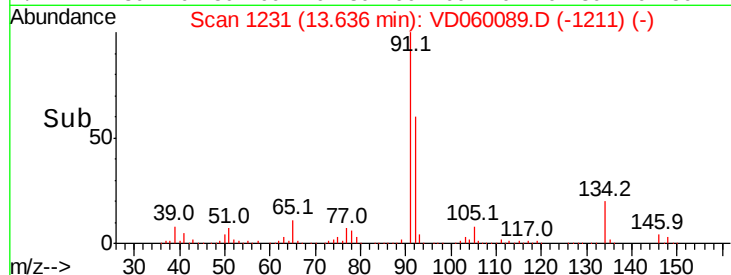
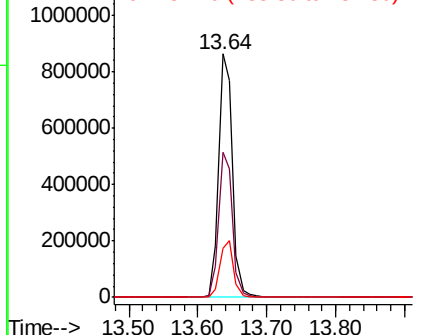
#89
n-Butylbenzene
Concen: 21.683 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Tot Ion: 91 Resp: 1198428
Ion Ratio Lower Upper
91 100
92 59.7 29.8 89.3
134 20.3 13.2 39.6

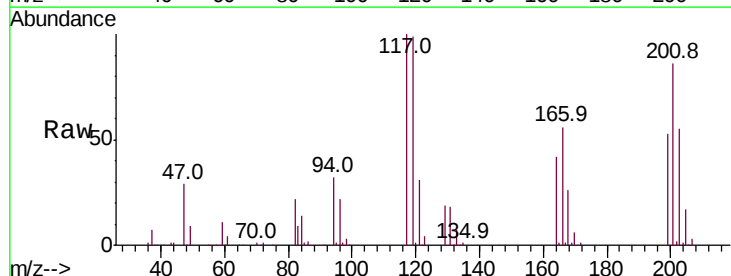


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

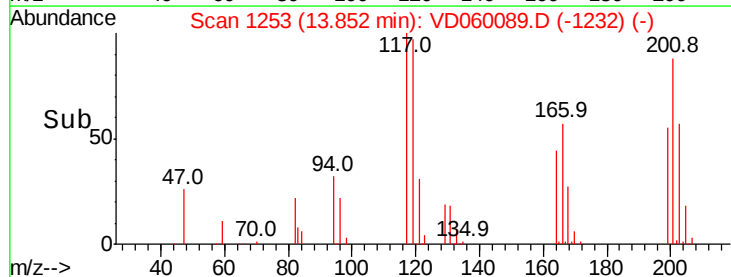
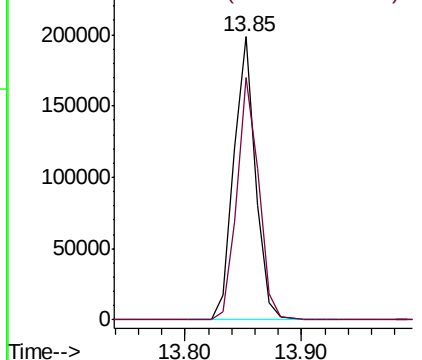


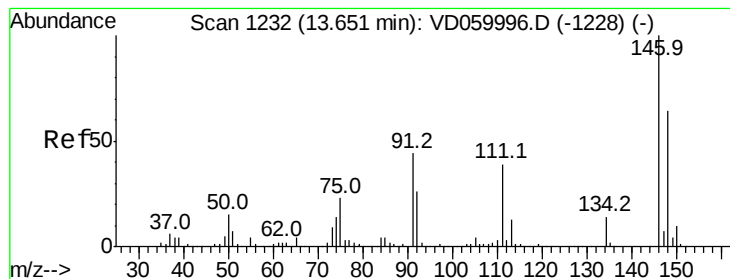
#90
Hexachloroethane
Concen: 20.141 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion: 117 Resp: 257202
Ion Ratio Lower Upper
117 100
201 85.6 42.1 126.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 21.127 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

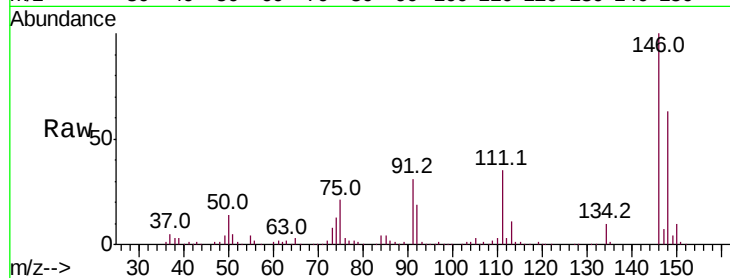
Tot Ion:146 Resp: 589525

Ion Ratio Lower Upper

146 100

111 35.2 19.6 58.7

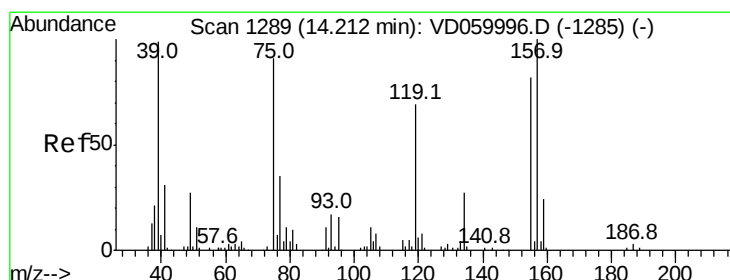
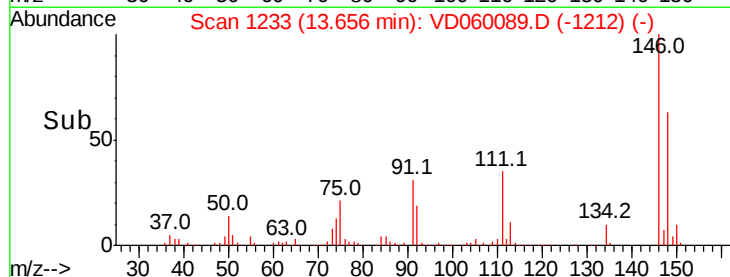
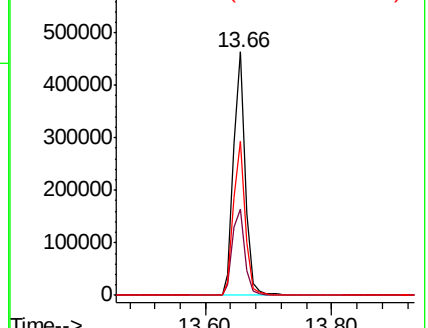
148 63.5 31.9 95.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.899 ug/l

RT: 14.22 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

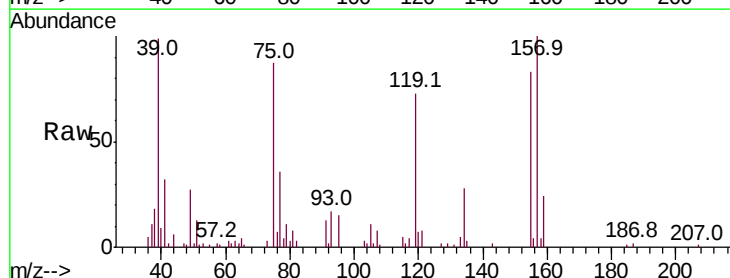
Tgt Ion: 75 Resp: 37436

Ion Ratio Lower Upper

75 100

155 95.8 44.7 134.1

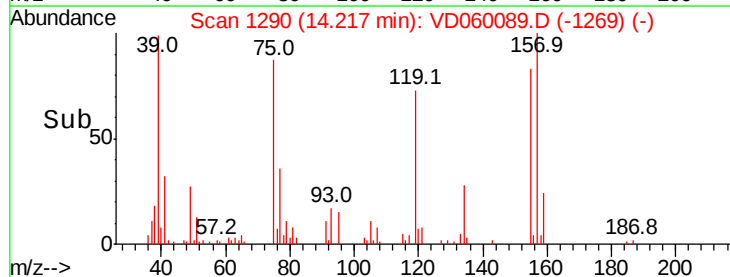
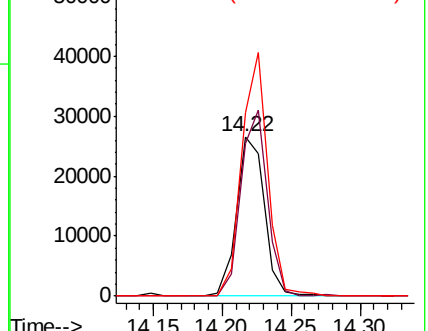
157 114.9 54.7 164.1

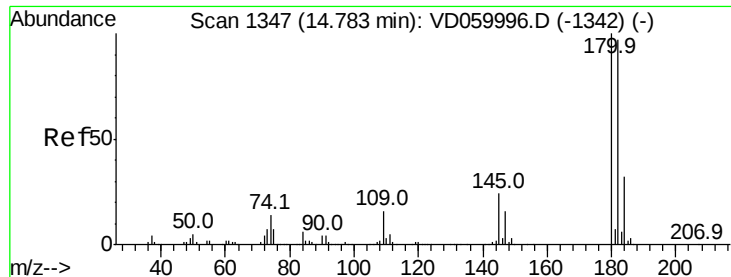


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

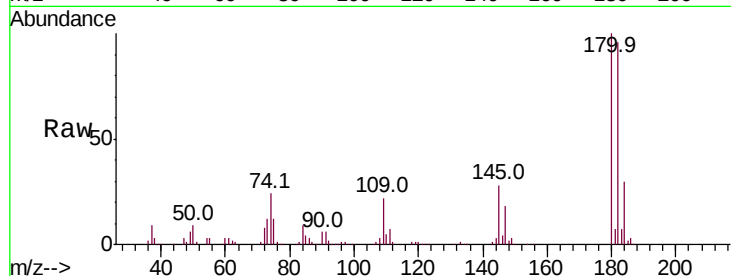




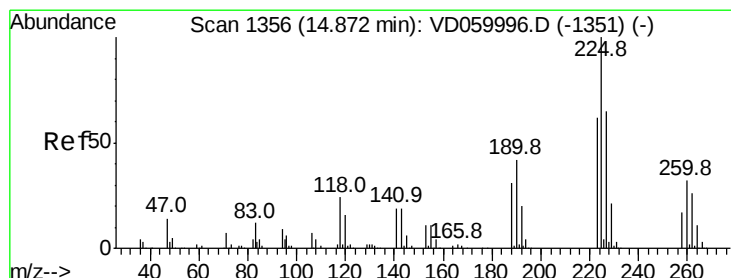
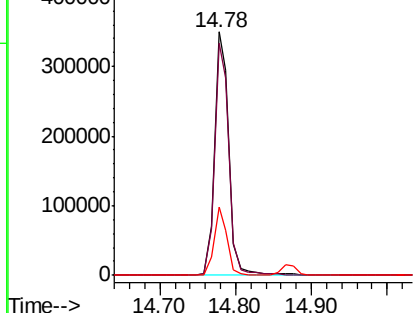
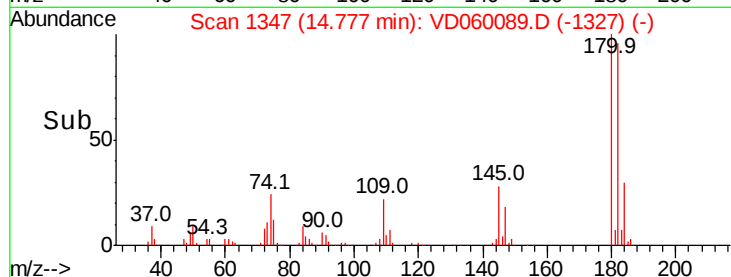
#93
 1,2,4-Trichlorobenzene
 Concen: 21.885 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.5	145.6
145	27.9	11.9	35.7

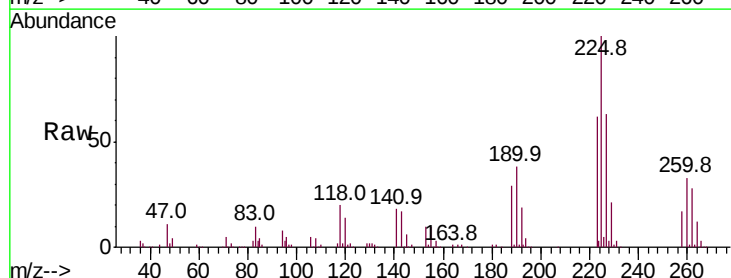


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

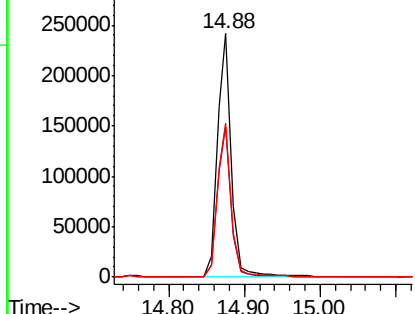
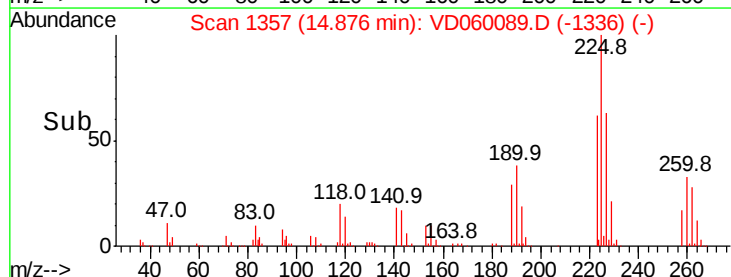


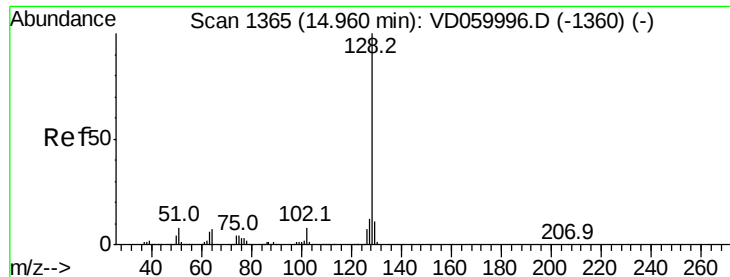
#94
 Hexachlorobutadiene
 Concen: 22.171 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.2	93.6
227	63.5	32.3	96.8



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 20.137 ug/l

RT: 14.96 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

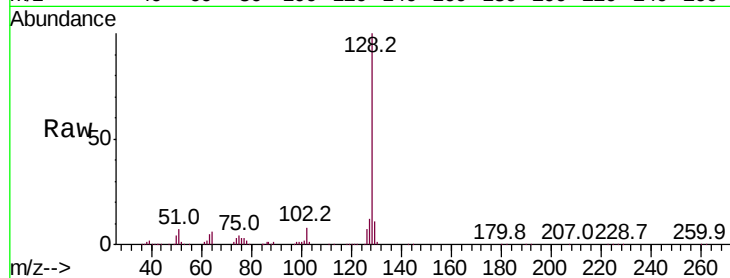
Tot Ion:128 Resp: 671394

Ion Ratio Lower Upper

128 100

127 12.2 9.7 14.5

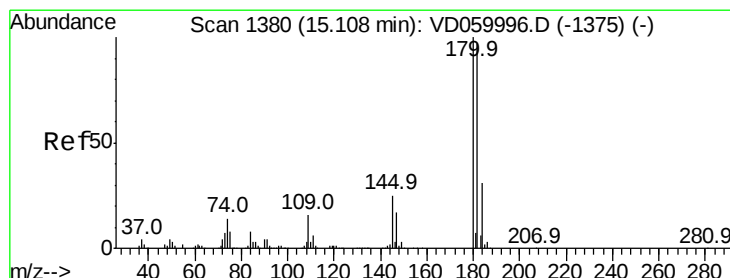
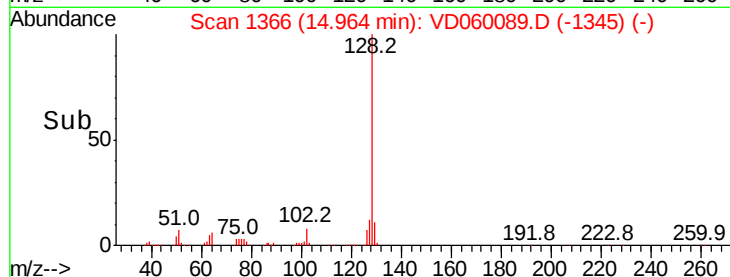
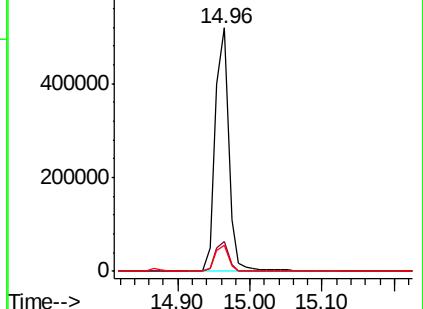
129 10.5 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.432 ug/l

RT: 15.11 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

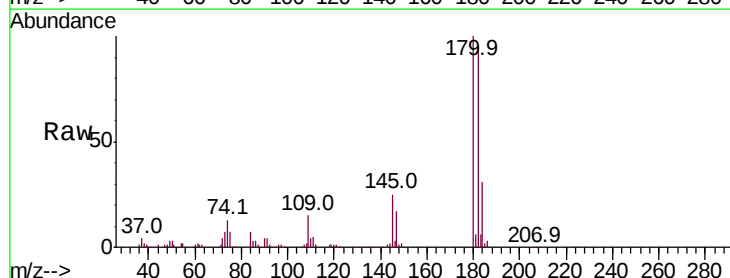
Tgt Ion:180 Resp: 388718

Ion Ratio Lower Upper

180 100

182 95.2 48.6 145.9

145 24.9 12.7 38.1



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

