

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092818\
 Data File : VD060095.D
 Acq On : 28 Sep 2018 14:06
 Operator : VA/AP
 Sample : VD0928SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

Quant Time: Sep 28 23:16:13 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	6.40	168	1533606	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2062866	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1746007	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	907708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	615145	51.44	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.88%	
35) Dibromofluoromethane	6.32	113	839595	52.10	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	9.45	98	2337030	52.32	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.42	95	909453	53.30	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.60%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.58	85	274957	16.985	ug/l 99
3) Chloromethane	1.75	50	293198	20.504	ug/l 100
4) Vinyl Chloride	1.84	62	242925	21.132	ug/l 97
5) Bromomethane	2.13	94	20766	15.261	ug/l 91
6) Chloroethane	2.24	64	54657	21.267	ug/l 98
7) Trichlorofluoromethane	2.49	101	265082	20.945	ug/l 97
8) Diethyl Ether	2.82	74	58711	21.823	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.08	101	178314	22.344	ug/l 97
10) Methyl Iodide	3.23	142	167465	19.813	ug/l 94
11) Tert butyl alcohol	3.97	59	82440	85.428	ug/l 97
12) 1,1-Dichloroethene	3.06	96	142807	22.631	ug/l 90
13) Acrolein	2.98	56	43498	72.787	ug/l 96
14) Allyl chloride	3.53	41	282059	21.195	ug/l 97
15) Acrylonitrile	4.08	53	376441	103.342	ug/l 96
16) Acetone	3.15	43	281370	121.856	ug/l 99
17) Carbon Disulfide	3.30	76	447958	20.604	ug/l 98
18) Methyl Acetate	3.55	43	97832	20.833	ug/l # 92
19) Methyl tert-butyl Ether	4.12	73	601136	20.618	ug/l 99
20) Methylene Chloride	3.70	84	388273	19.191	ug/l 99
21) trans-1,2-Dichloroethene	4.09	96	336286	20.308	ug/l 96
22) Diisopropyl ether	4.84	45	1283949	21.151	ug/l 96
23) Vinyl Acetate	4.80	43	3690212	107.307	ug/l 100
24) 1,1-Dichloroethane	4.75	63	577827	21.212	ug/l 100
25) 2-Butanone	5.61	43	726273	116.560	ug/l 99
26) 2,2-Dichloropropane	5.58	77	439129	20.735	ug/l 98
27) cis-1,2-Dichloroethene	5.58	96	361299	20.859	ug/l 98
28) Bromochloromethane	5.92	49	288057	21.999	ug/l 96
29) Tetrahydrofuran	5.95	42	328065	98.177	ug/l 99
30) Chloroform	6.09	83	583013	21.104	ug/l 99
31) Cyclohexane	6.36	56	506124	19.056	ug/l 97
32) 1,1,1-Trichloroethane	6.29	97	473649	20.673	ug/l 99
36) 1,1-Dichloropropene	6.52	75	430428	21.005	ug/l 100
37) Ethyl Acetate	5.69	43	290973	20.649	ug/l 97
38) Carbon Tetrachloride	6.49	117	393441	20.568	ug/l 98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	478278	20.633	ug/l	98
40) Benzene	6.79	78	1134100	21.715	ug/l	100
41) Methacrylonitrile	5.95	41	340458	46.129	ug/l #	80
42) 1,2-Dichloroethane	6.89	62	323501	20.629	ug/l	97
43) Isopropyl Acetate	8.35	43	384063	20.356	ug/l #	99
44) Trichloroethene	7.74	130	349600	21.665	ug/l	98
45) 1,2-Dichloropropane	8.10	63	287409	20.580	ug/l	100
46) Dibromomethane	8.21	93	190706	20.929	ug/l	98
47) Bromodichloromethane	8.49	83	412129	20.978	ug/l	99
48) Methyl methacrylate	8.24	41	210952	20.076	ug/l	100
49) 1,4-Dioxane	8.22	88	41568	398.284	ug/l	98
51) 4-Methyl-2-Pentanone	9.34	43	1540397	112.192	ug/l	97
52) Toluene	9.55	92	725918	21.684	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	386490	21.093	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	462149	21.110	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	241590	20.785	ug/l	94
56) Ethyl methacrylate	10.03	69	267047	20.714	ug/l	99
57) 1,3-Dichloropropane	10.39	76	372419	21.706	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	697437	112.028	ug/l	100
59) 2-Hexanone	10.48	43	1126391	114.237	ug/l	98
60) Dibromochloromethane	10.64	129	296168	20.935	ug/l	98
61) 1,2-Dibromoethane	10.76	107	248377	20.697	ug/l	96
64) Tetrachloroethene	10.25	164	305175	19.810	ug/l	98
65) Chlorobenzene	11.31	112	807089	21.500	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	274879	21.711	ug/l	99
67) Ethyl Benzene	11.43	91	1353745	22.409	ug/l	100
68) m/p-Xylenes	11.57	106	1032098	46.260	ug/l	97
69) o-Xylene	11.93	106	473967	21.440	ug/l	97
70) Styrene	11.96	104	809349	21.774	ug/l	100
71) Bromoform	12.12	173	210087	19.313	ug/l	100
73) Isopropylbenzene	12.27	105	1338546	22.485	ug/l	99
74) N-amyl acetate	12.14	43	485198	20.576	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	283605	21.000	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	290132	20.928	ug/l	100
77) Bromobenzene	12.54	156	376068	21.930	ug/l	99
78) n-propylbenzene	12.64	91	1688804	22.559	ug/l	99
79) 2-Chlorotoluene	12.71	91	914115	21.634	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	1026375	22.494	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	75876	18.131	ug/l	94
82) 4-Chlorotoluene	12.81	91	1062973	22.882	ug/l	100
83) tert-Butylbenzene	13.04	119	1189422	22.501	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	1075575	22.089	ug/l	99
85) sec-Butylbenzene	13.22	105	1392089	22.185	ug/l	100
86) p-Isopropyltoluene	13.34	119	1138539	22.434	ug/l	95
87) 1,3-Dichlorobenzene	13.31	146	650066	21.799	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	672617	22.238	ug/l	95
89) n-Butylbenzene	13.64	91	1175880	21.601	ug/l	96
90) Hexachloroethane	13.86	117	260286	20.707	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	578764	21.062	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	37085	18.013	ug/l	93

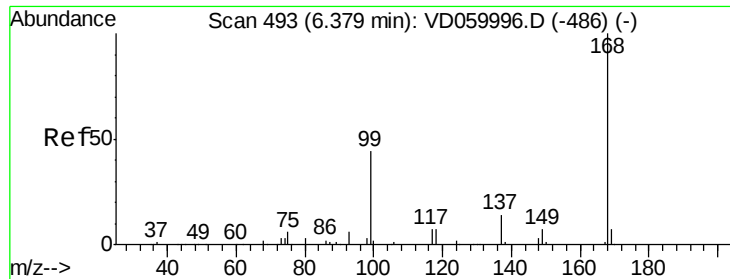
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092818\
Data File : VD060095.D
Acq On : 28 Sep 2018 14:06
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	455792	21.448	ug/l	97
94) Hexachlorobutadiene	14.88	225	312225	22.211	ug/l	98
95) Naphthalene	14.97	128	681853	20.776	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	385859	20.604	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

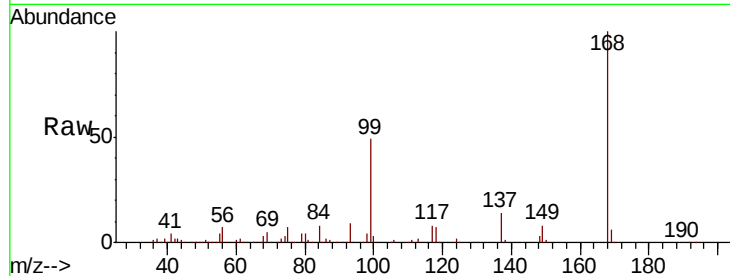
VD0928SBS01

Tot Ion:168 Resp: 1533606

Ion Ratio Lower Upper

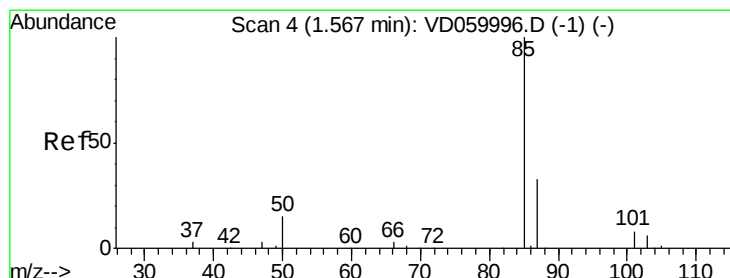
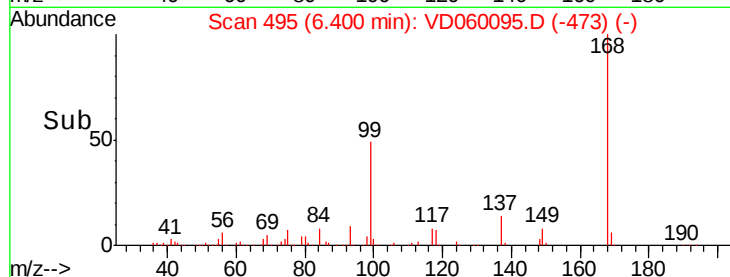
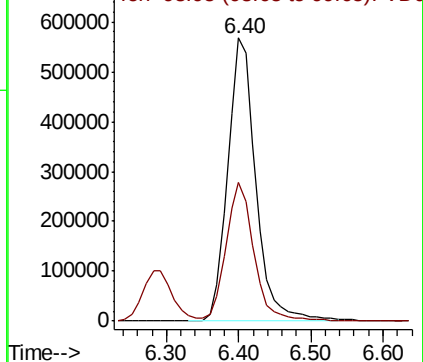
168 100

99 49.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 16.985 ug/l

RT: 1.58 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060095.D

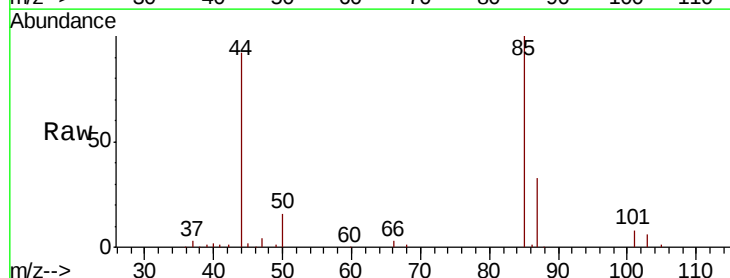
Acq: 28 Sep 2018 14:06

Tgt Ion: 85 Resp: 274957

Ion Ratio Lower Upper

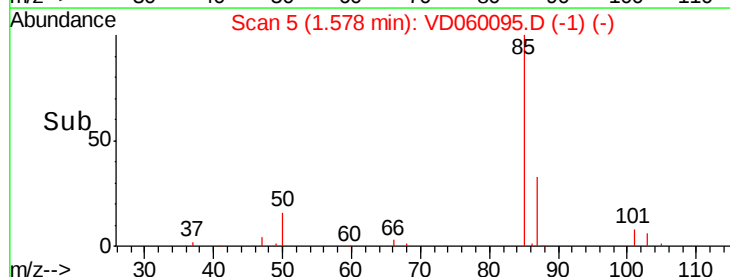
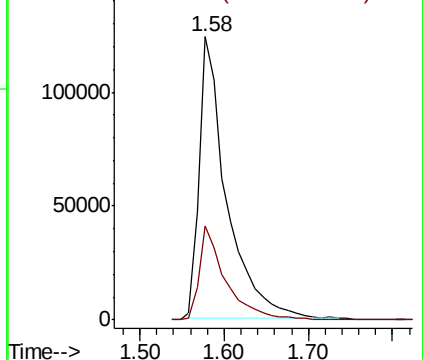
85 100

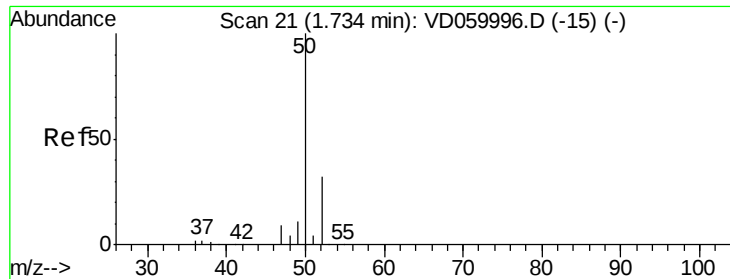
87 33.4 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.504 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

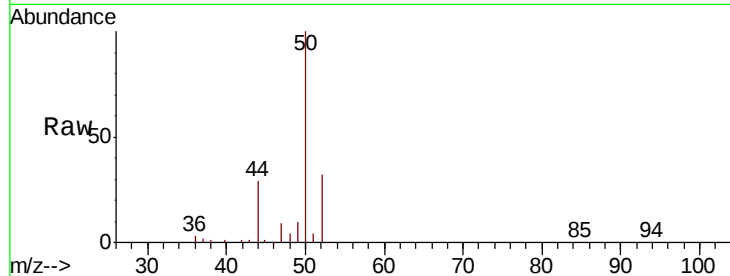
VD0928SBS01

Tot Ion: 50 Resp: 293198

Ion Ratio Lower Upper

50 100

52 31.9 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

120000

100000

80000

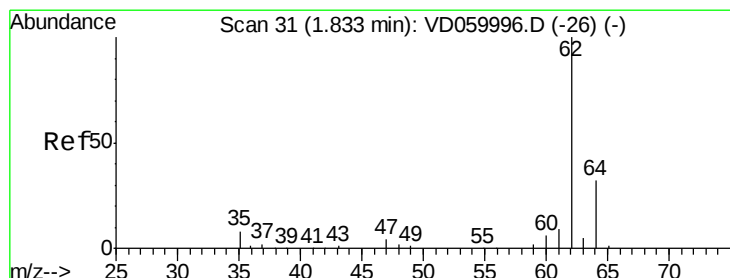
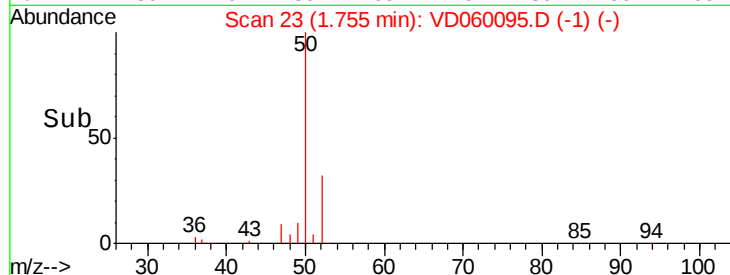
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 21.132 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060095.D

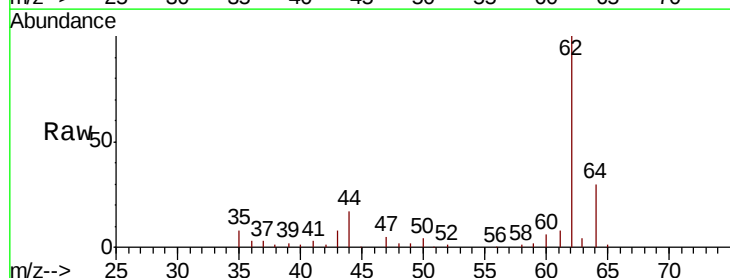
Acq: 28 Sep 2018 14:06

Tgt Ion: 62 Resp: 242925

Ion Ratio Lower Upper

62 100

64 30.3 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

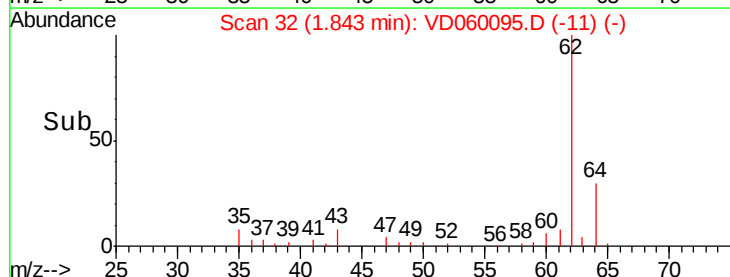
1.84

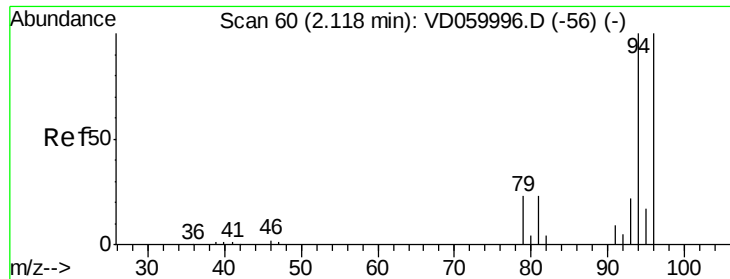
100000

50000

0

Time-->





#5

Bromomethane

Concen: 15.261 ug/l

RT: 2.13 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

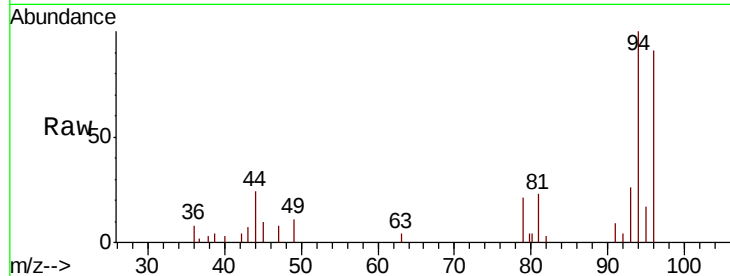
VD0928SBSD01

Tot Ion: 94 Resp: 20766

Ion Ratio Lower Upper

94 100

96 90.6 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.13

15000

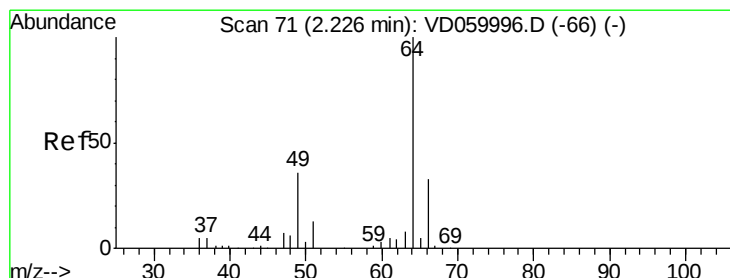
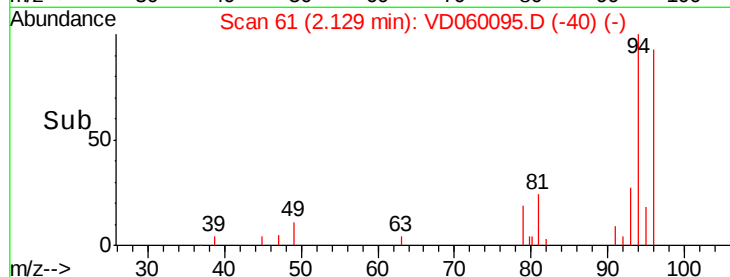
10000

5000

0

Time-->

2.05 2.10 2.15 2.20



#6

Chloroethane

Concen: 21.267 ug/l

RT: 2.24 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD060095.D

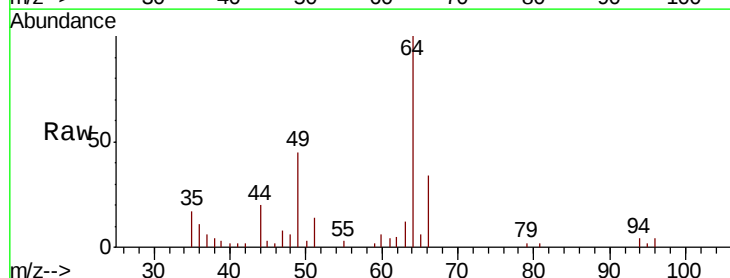
Acq: 28 Sep 2018 14:06

Tgt Ion: 64 Resp: 54657

Ion Ratio Lower Upper

64 100

66 34.1 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.24

20000

15000

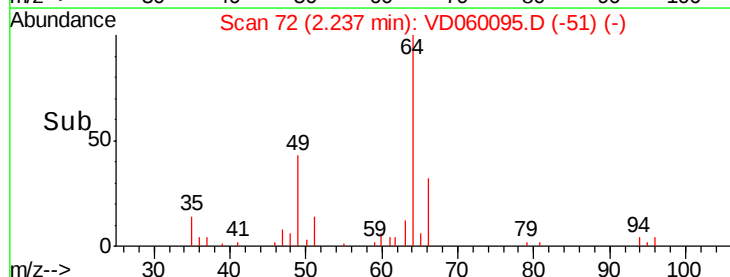
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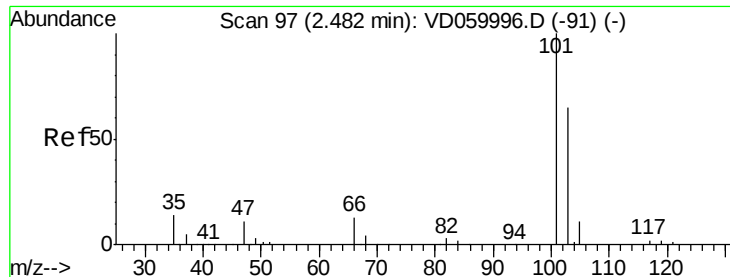
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Time-->

2.10 2.20 2.30 2.40





#7

Trichlorofluoromethane

Concen: 20.945 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

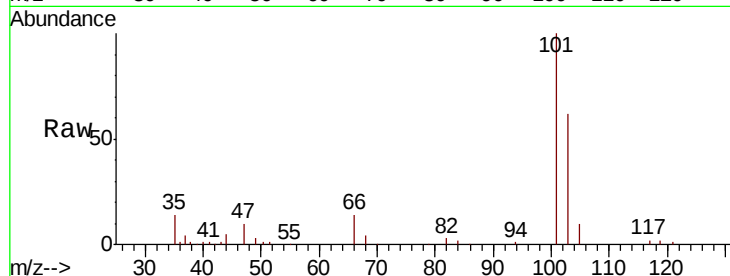
VD0928SBSD01

Tot Ion:101 Resp: 265082

Ion Ratio Lower Upper

101 100

103 62.2 51.6 77.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

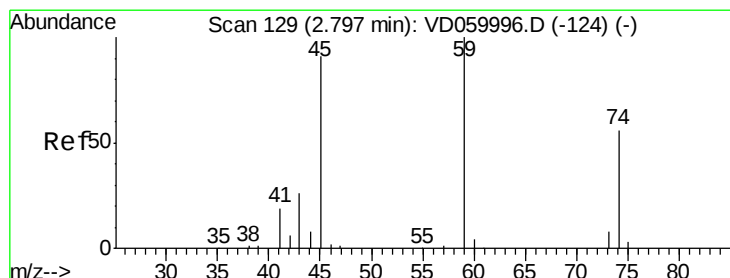
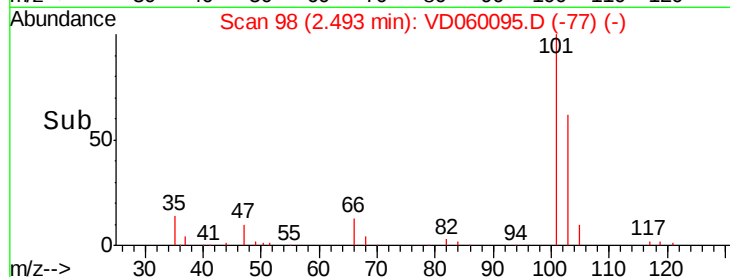
2.49

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 21.823 ug/l

RT: 2.82 min Scan# 131

Delta R.T. 0.02 min

Lab File: VD060095.D

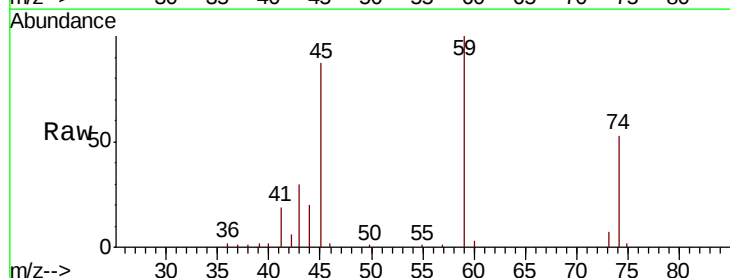
Acq: 28 Sep 2018 14:06

Tgt Ion: 74 Resp: 58711

Ion Ratio Lower Upper

74 100

45 165.0 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

50000

40000

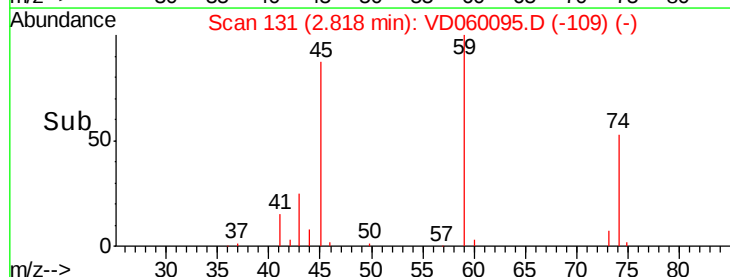
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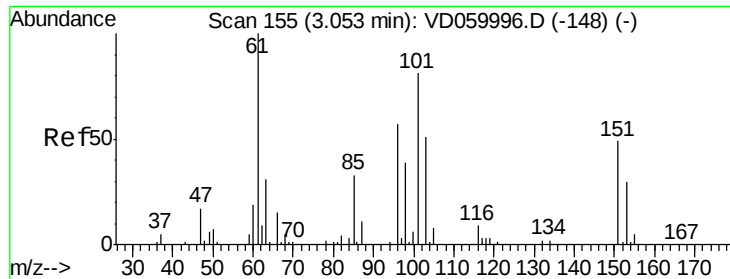
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.344 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.03 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

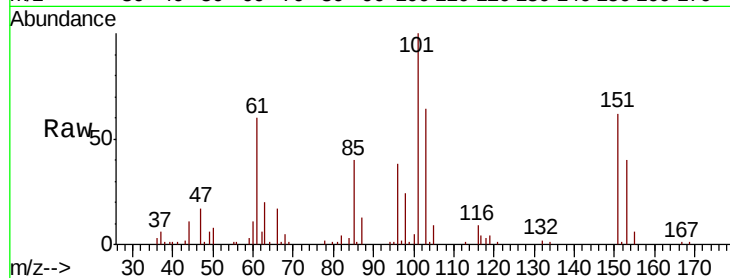
Tot Ion:101 Resp: 178314

Ion Ratio Lower Upper

101 100

85 39.7 33.1 49.7

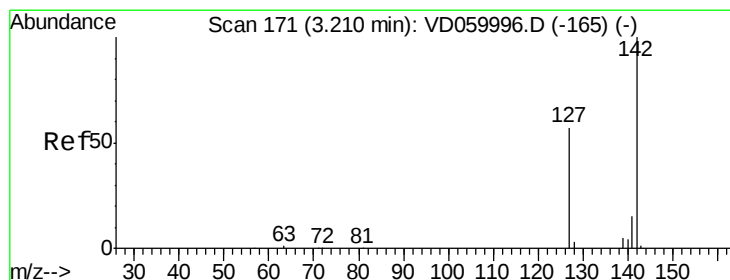
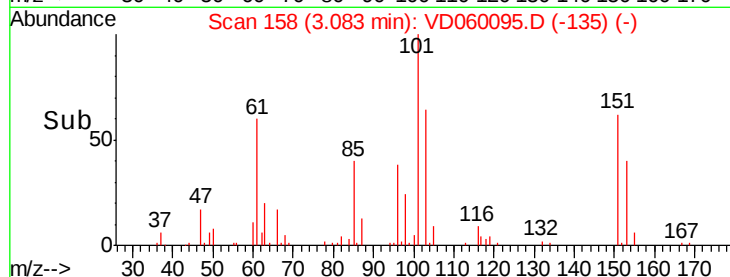
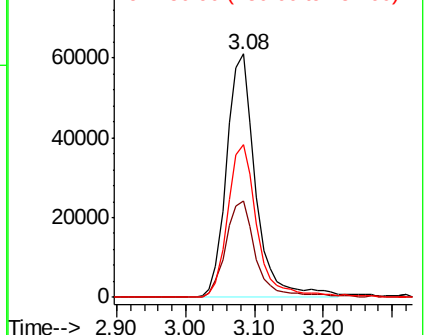
151 62.5 48.2 72.4



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: 19.813 ug/l

RT: 3.23 min Scan# 173

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

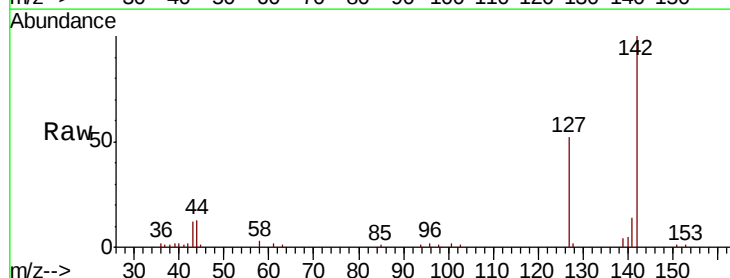
Tgt Ion:142 Resp: 167465

Ion Ratio Lower Upper

142 100

127 51.9 45.8 68.8

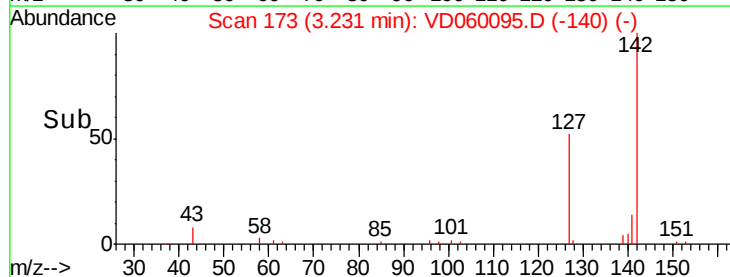
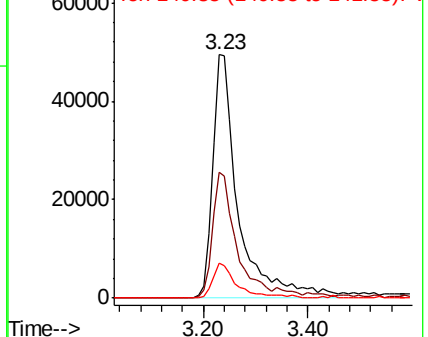
141 14.3 12.2 18.4

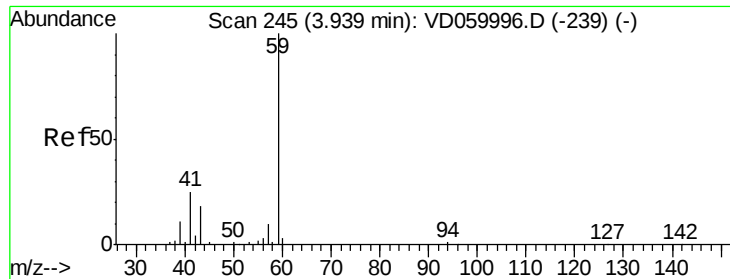


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

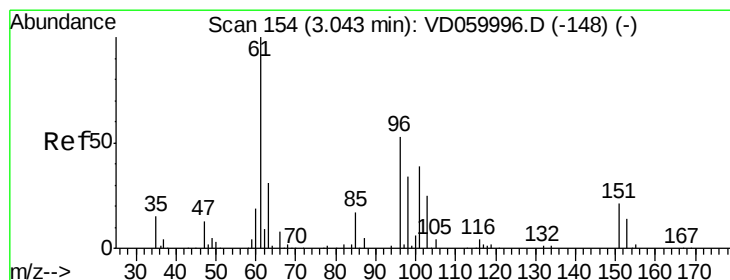
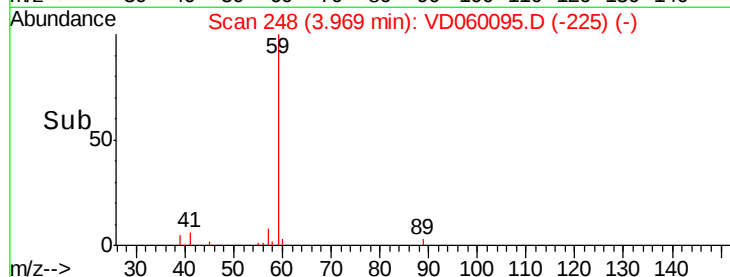
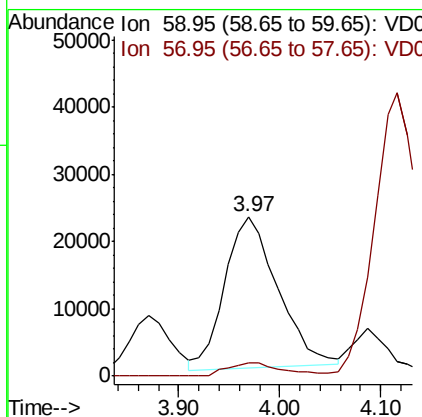
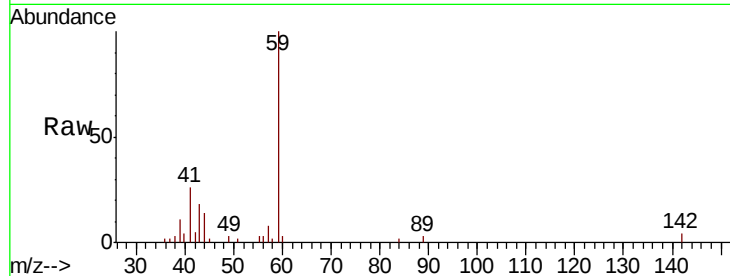




#11
Tert butyl alcohol
Concen: 85.428 ug/l
RT: 3.97 min Scan# 248
Delta R.T. 0.03 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

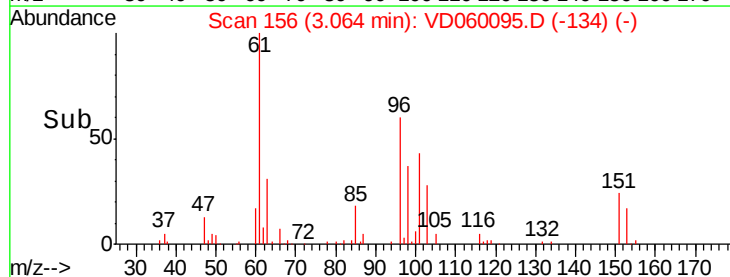
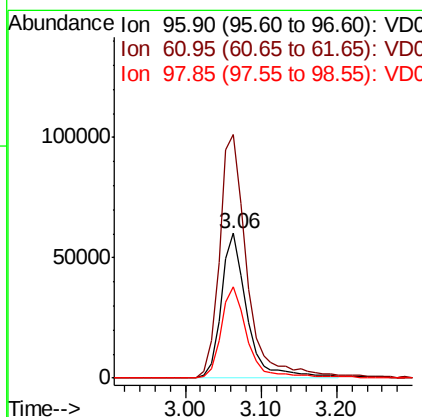
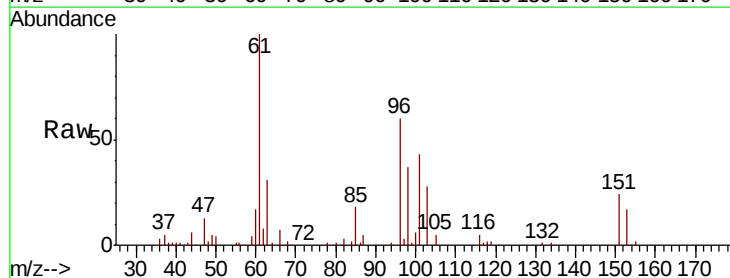
Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

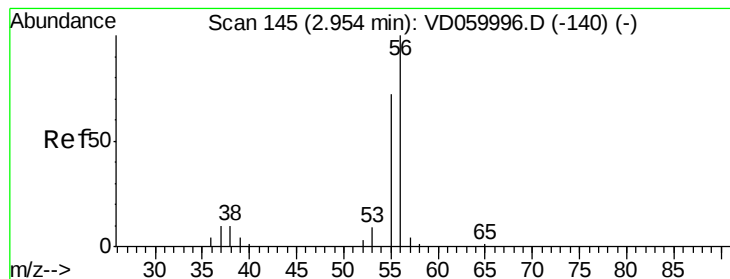
Tot Ion: 59 Resp: 82440
Ion Ratio Lower Upper
59 100
57 8.1 7.4 11.2



#12
1,1-Dichloroethene
Concen: 22.631 ug/l
RT: 3.06 min Scan# 156
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion: 96 Resp: 142807
Ion Ratio Lower Upper
96 100
61 167.9 149.8 224.6
98 62.9 50.2 75.4





#13

Acrolein

Concen: 72.787 ug/l

RT: 2.98 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

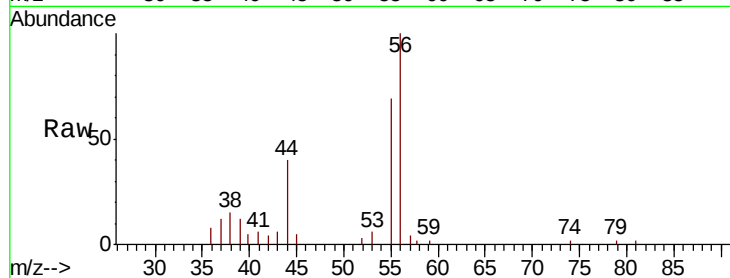
VD0928SBSD01

Tot Ion: 56 Resp: 43498

Ion Ratio Lower Upper

56 100

55 69.2 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

10000

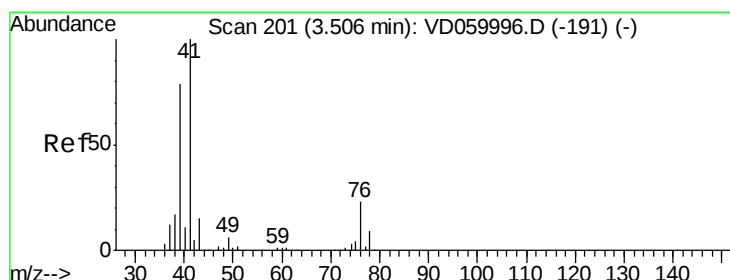
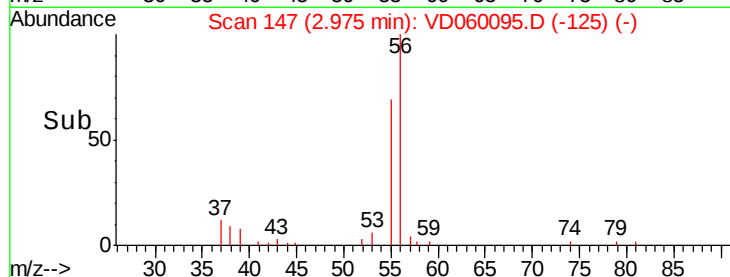
5000

0

2.98

2.90 3.00 3.10

Time-->



#14

Allyl chloride

Concen: 21.195 ug/l

RT: 3.53 min Scan# 203

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

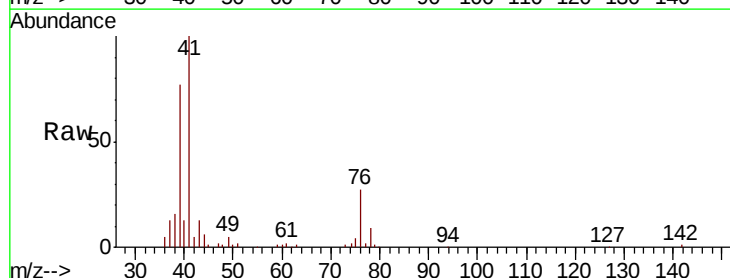
Tgt Ion: 41 Resp: 282059

Ion Ratio Lower Upper

41 100

39 76.6 63.6 95.4

76 27.4 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

150000

100000

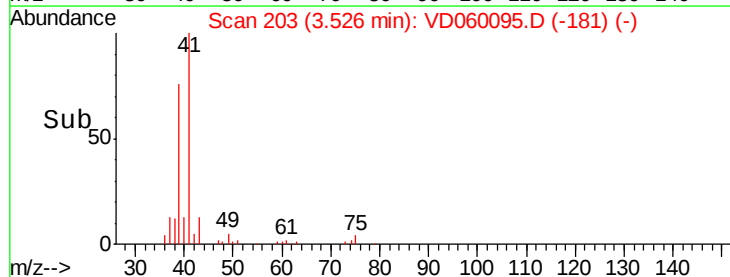
50000

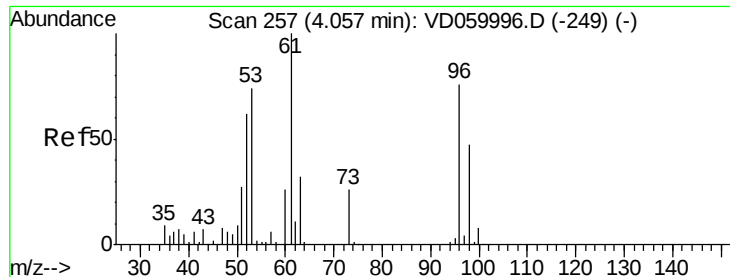
0

3.53

3.40 3.50 3.60

Time-->





#15

Acrylonitrile

Concen: 103.342 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBSD01

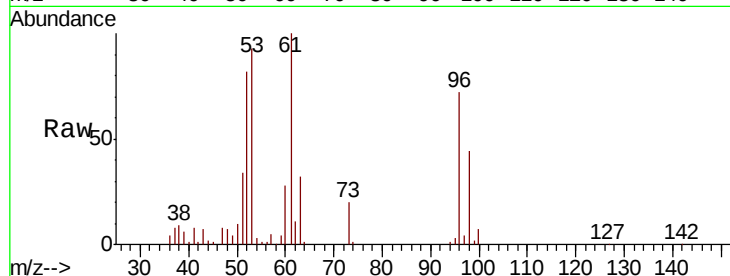
Tot Ion: 53 Resp: 376441

Ion Ratio Lower Upper

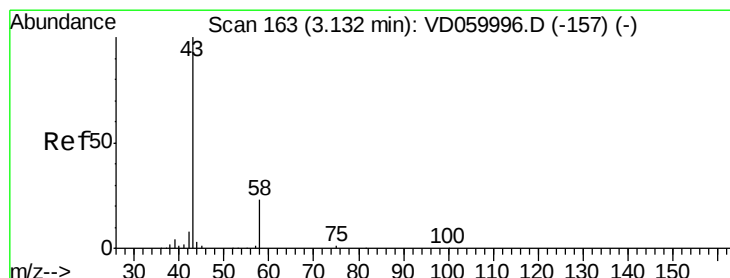
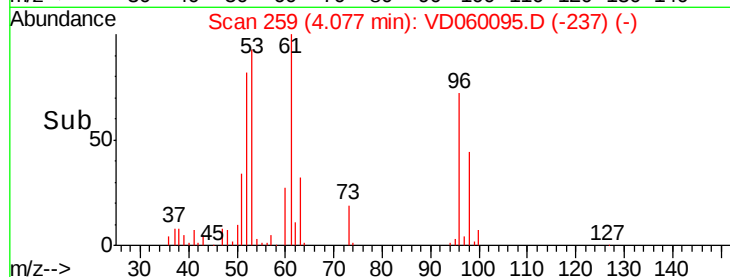
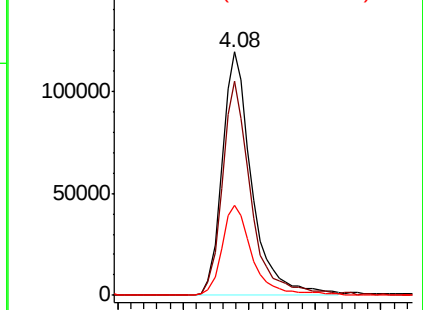
53 100

52 88.0 66.7 100.1

51 37.0 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: 121.856 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060095.D

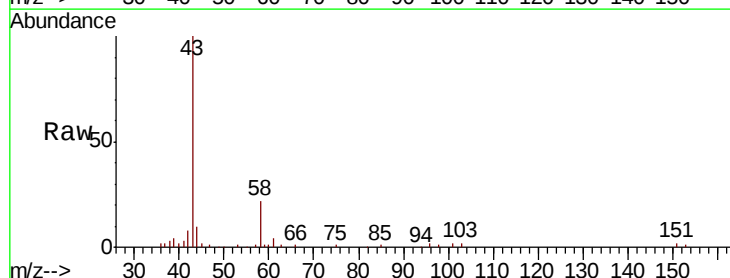
Acq: 28 Sep 2018 14:06

Tgt Ion: 43 Resp: 281370

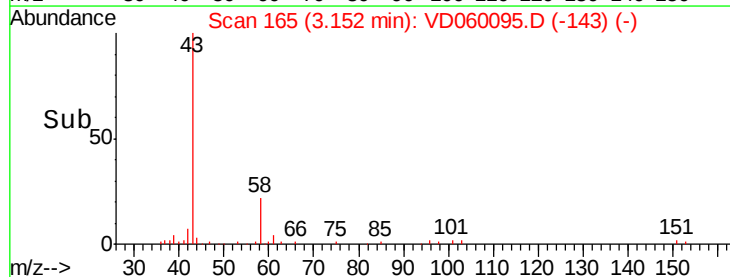
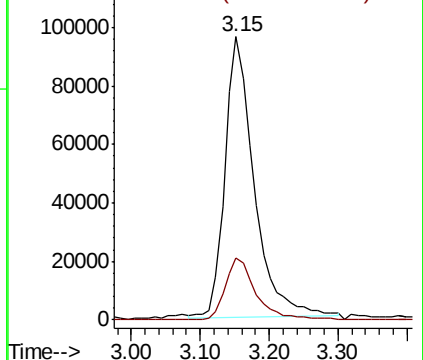
Ion Ratio Lower Upper

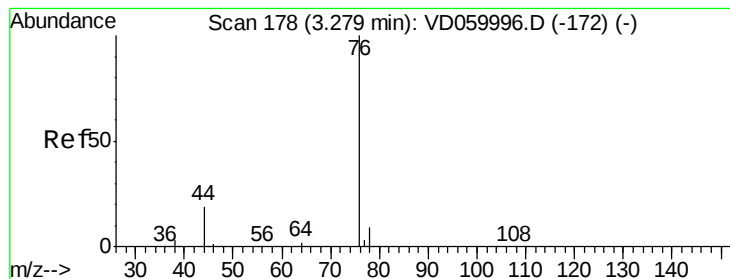
43 100

58 22.0 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: 20.604 ug/l

RT: 3.30 min Scan# 180

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

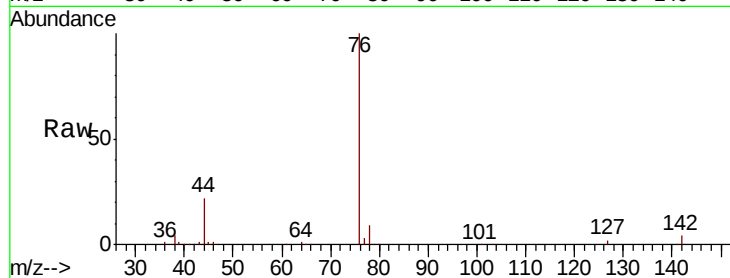
VD0928SBSD01

Tot Ion: 76 Resp: 447958

Ion Ratio Lower Upper

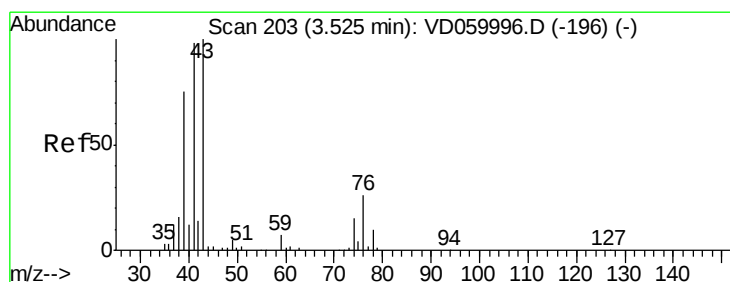
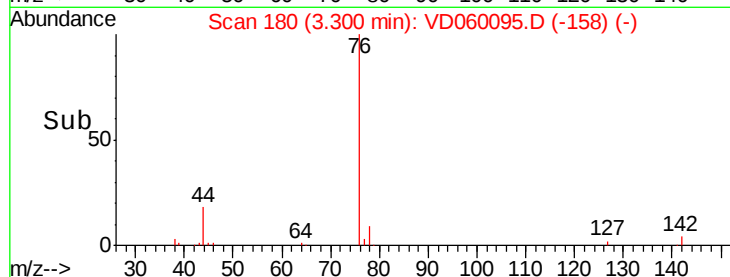
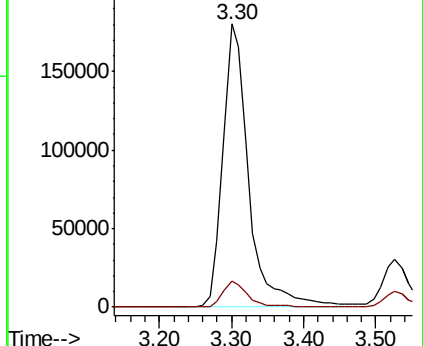
76 100

78 9.3 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.833 ug/l

RT: 3.55 min Scan# 205

Delta R.T. 0.02 min

Lab File: VD060095.D

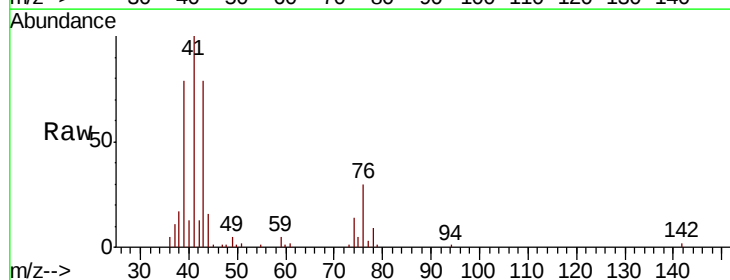
Acq: 28 Sep 2018 14:06

Tgt Ion: 43 Resp: 97832

Ion Ratio Lower Upper

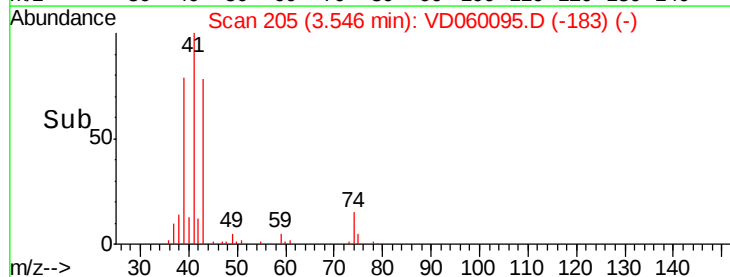
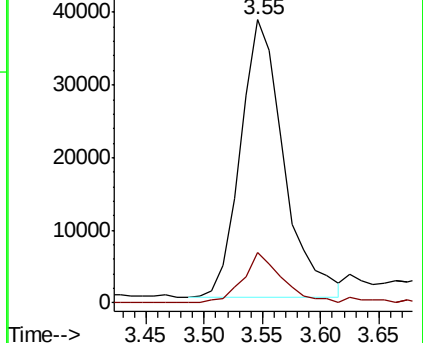
43 100

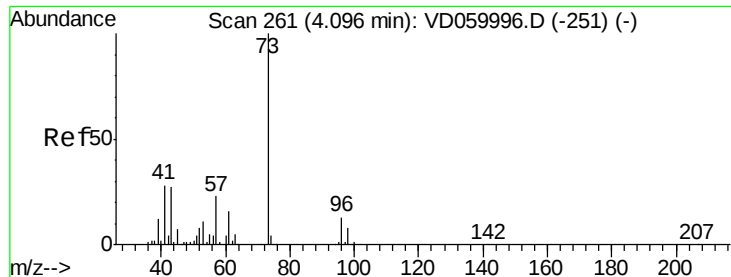
74 18.0 11.8 17.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

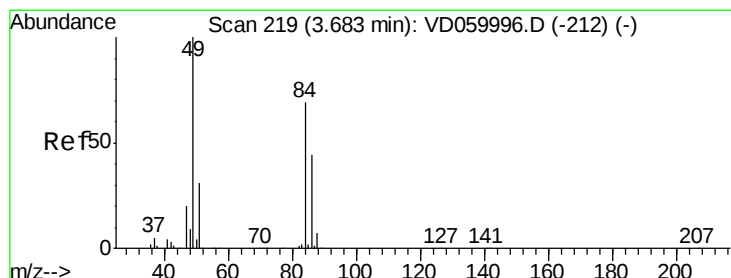
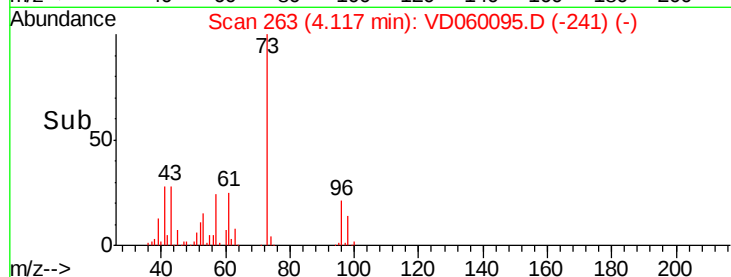
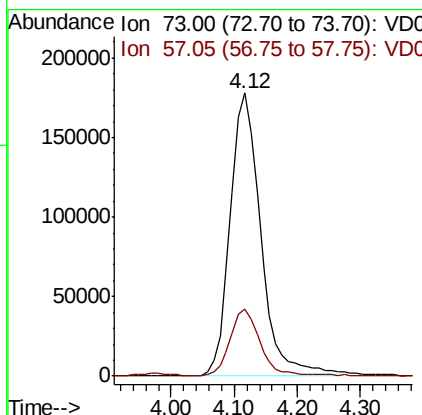
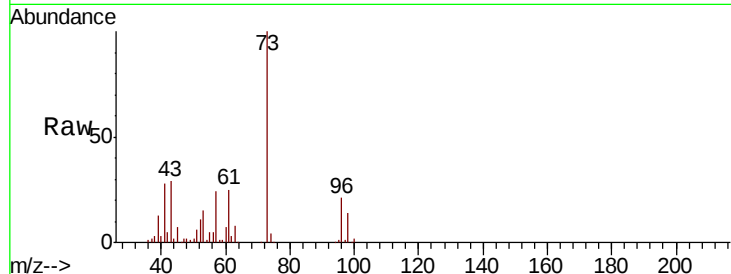




#19
Methvl tert-butvl Ether
Concen: 20.618 ug/l
RT: 4.12 min Scan# 263
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

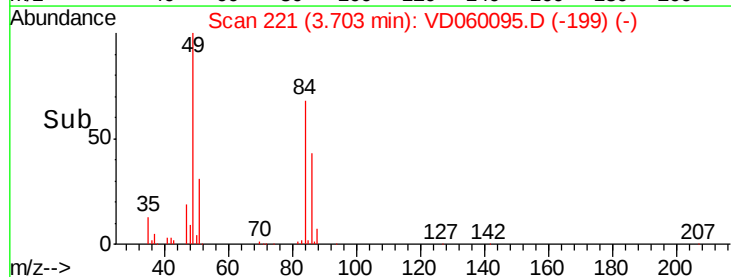
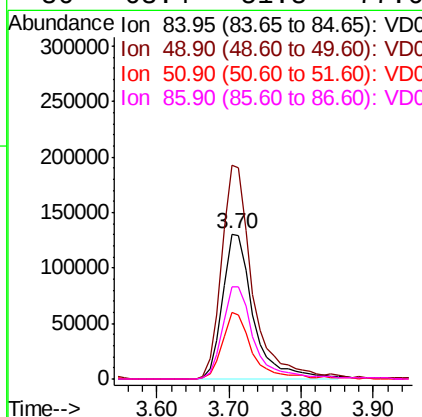
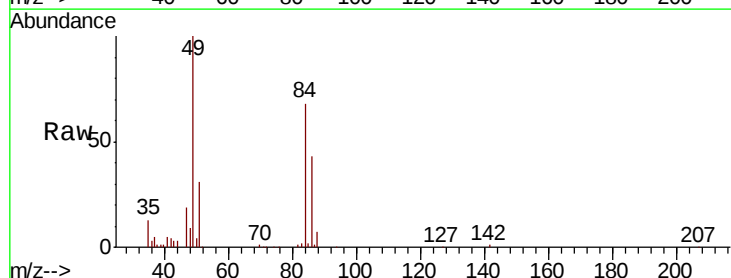
Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

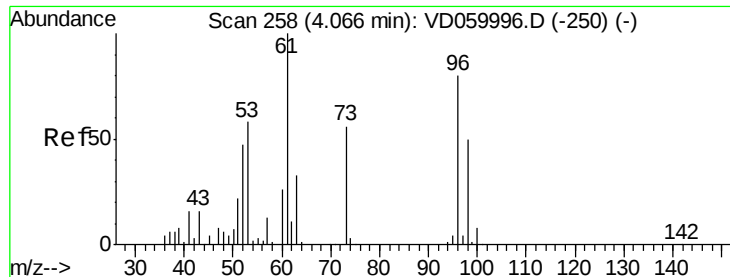
Tot Ion: 73 Resp: 601136
Ion Ratio Lower Upper
73 100
57 23.6 18.4 27.6



#20
Methylene Chloride
Concen: 19.191 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion: 84 Resp: 388273
Ion Ratio Lower Upper
84 100
49 147.4 116.6 175.0
51 45.6 35.9 53.9
86 63.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.308 ug/l

RT: 4.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBSD01

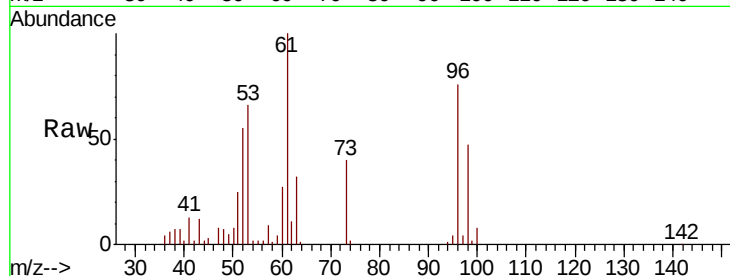
Tot Ion: 96 Resp: 336286

Ion Ratio Lower Upper

96 100

61 131.2 100.1 150.1

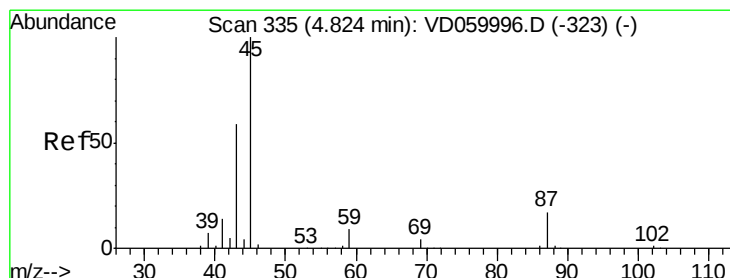
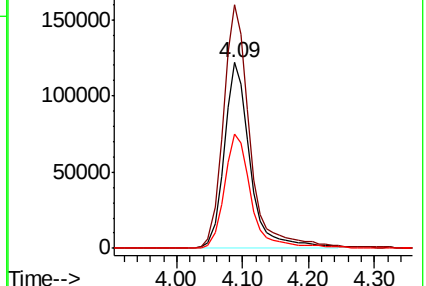
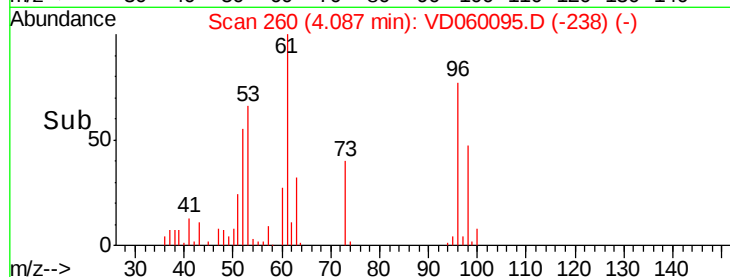
98 61.8 49.5 74.3



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: 21.151 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Tgt Ion: 45 Resp: 1283949

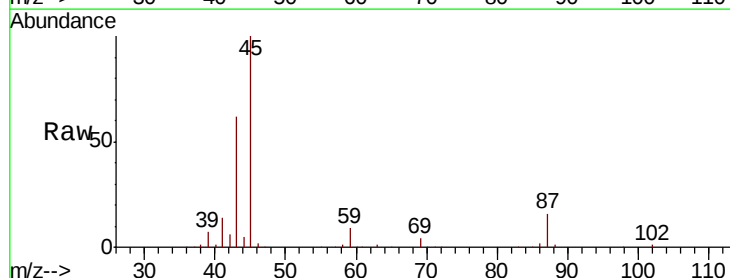
Ion Ratio Lower Upper

45 100

43 62.1 47.1 70.7

87 16.4 14.2 21.2

59 8.7 7.0 10.6

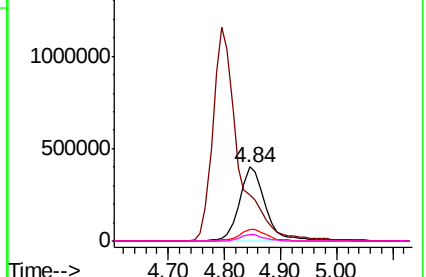
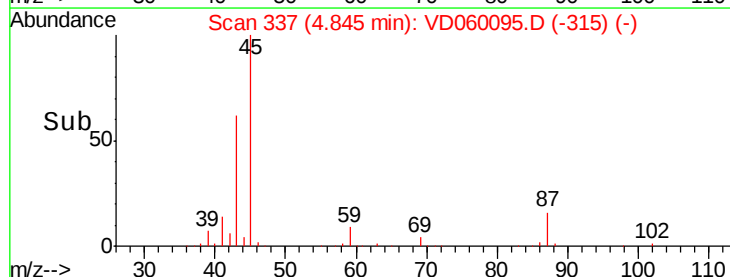


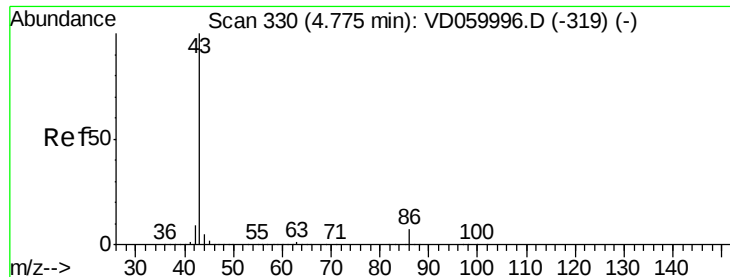
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 107.307 ug/l

RT: 4.80 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

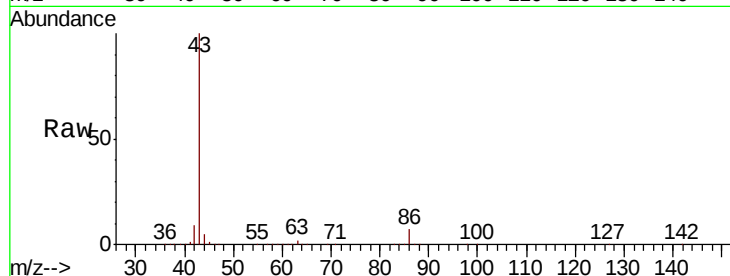
VD0928SBS01

Tot Ion: 43 Resp: 3690212

Ion Ratio Lower Upper

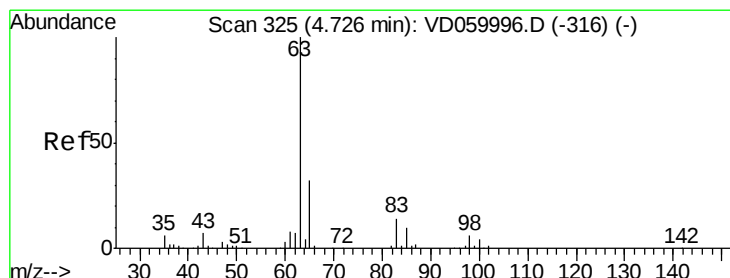
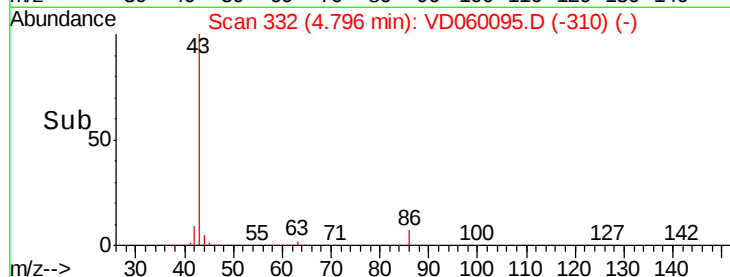
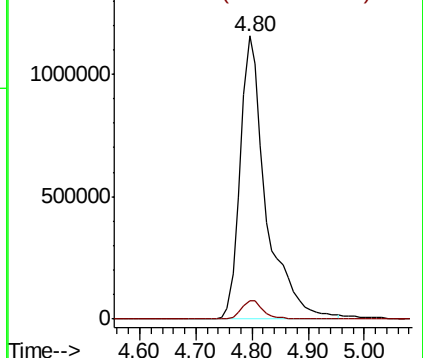
43 100

86 6.7 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: 21.212 ug/l

RT: 4.75 min Scan# 327

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

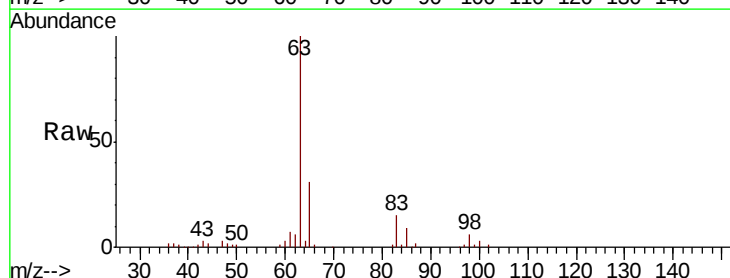
Tgt Ion: 63 Resp: 577827

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

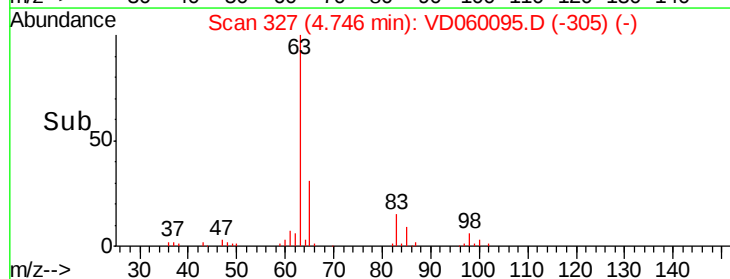
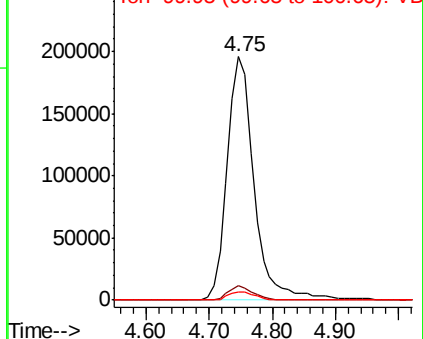
100 3.4 1.8 5.4

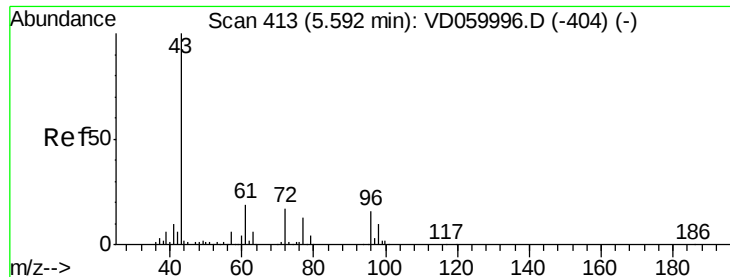


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 116.560 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

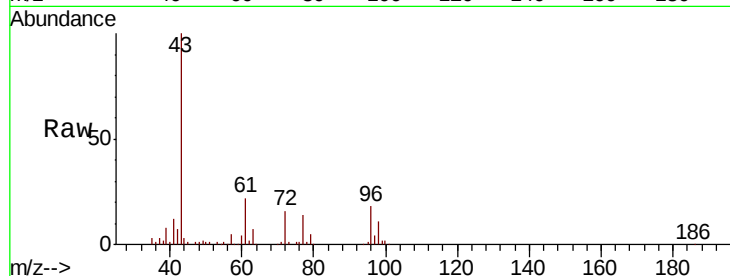
VD0928SBS01

Tot Ion: 43 Resp: 726273

Ion Ratio Lower Upper

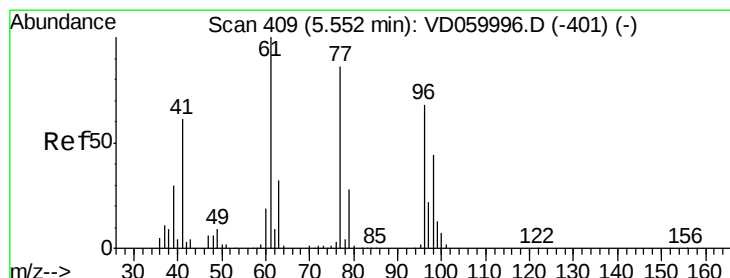
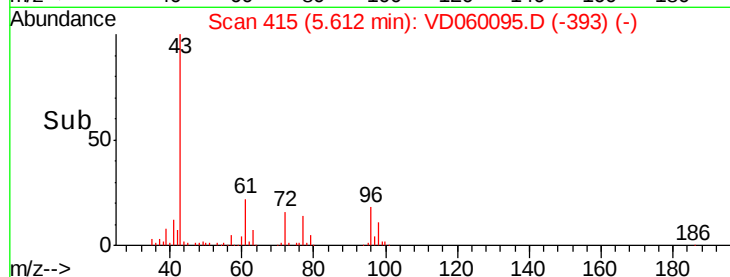
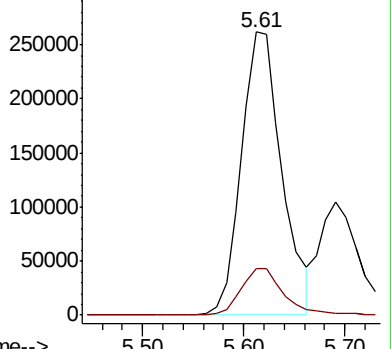
43 100

72 16.4 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: 20.735 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.03 min

Lab File: VD060095.D

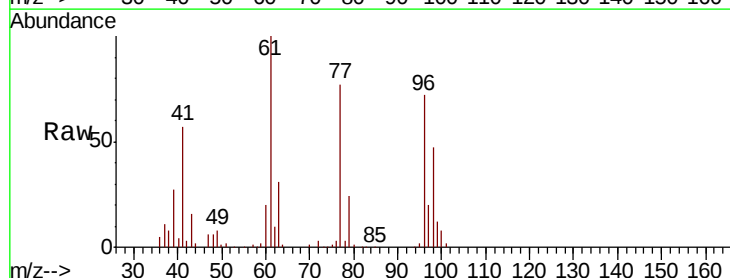
Acq: 28 Sep 2018 14:06

Tgt Ion: 77 Resp: 439129

Ion Ratio Lower Upper

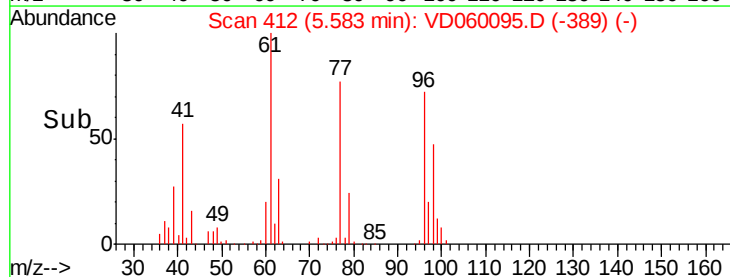
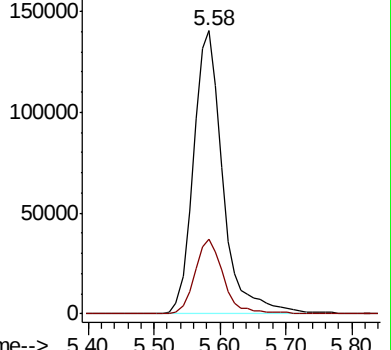
77 100

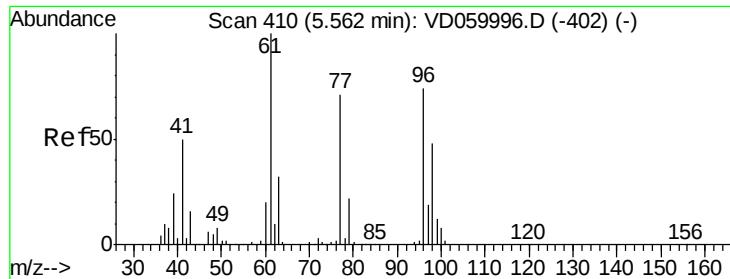
97 26.5 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



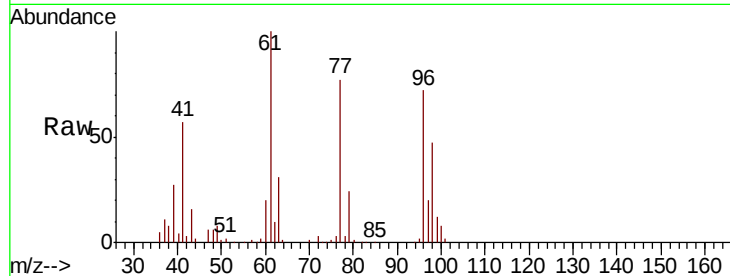


#27

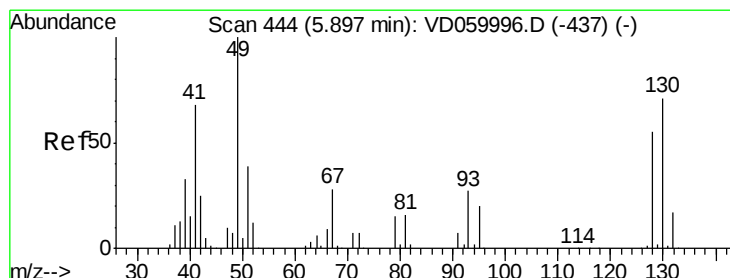
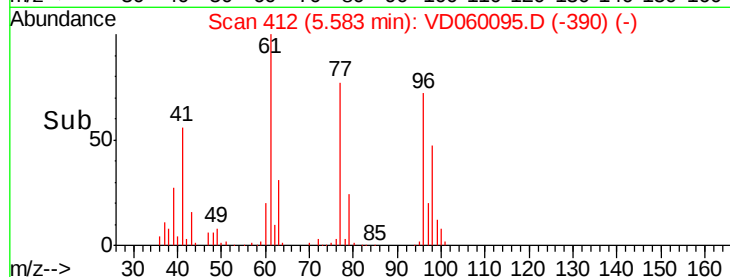
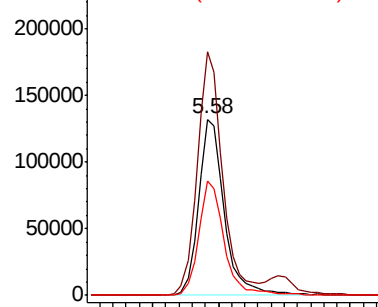
cis-1,2-Dichloroethene
 Concen: 20.859 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	269.6
98	64.7	0.0	128.4



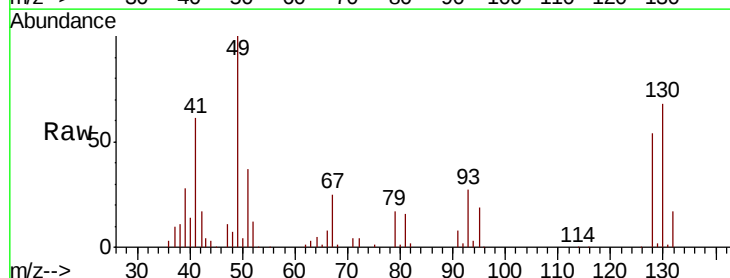
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



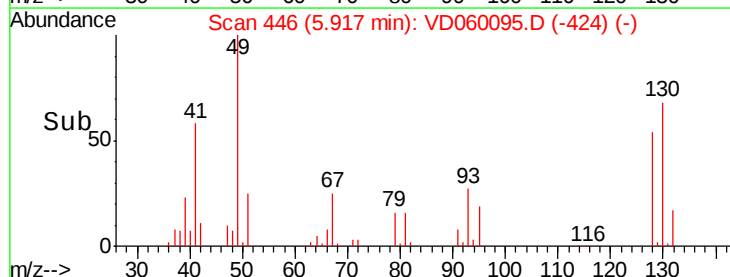
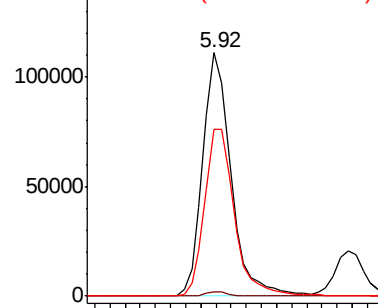
#28

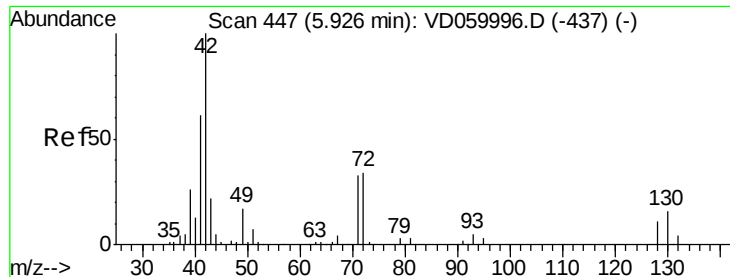
Bromochloromethane
 Concen: 21.999 ug/l
 RT: 5.92 min Scan# 446
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	68.3	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: 98.177 ug/l

RT: 5.95 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

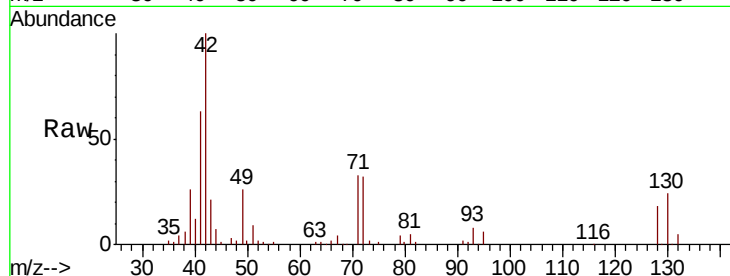
Tot Ion: 42 Resp: 328065

Ion Ratio Lower Upper

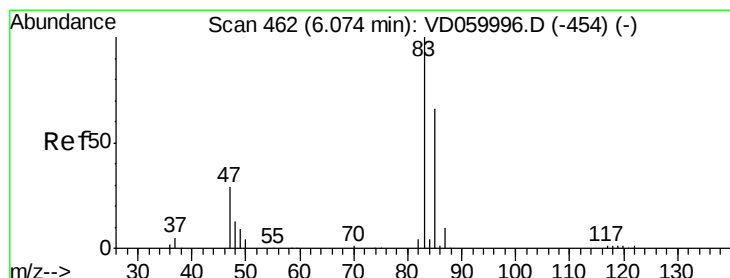
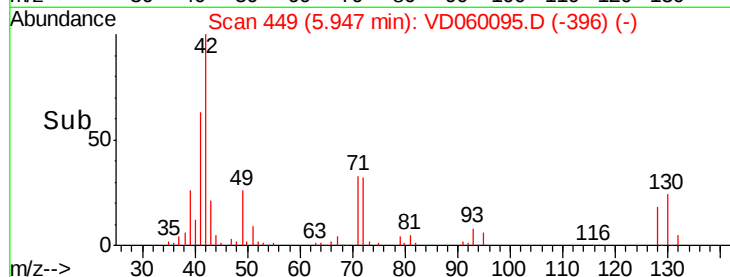
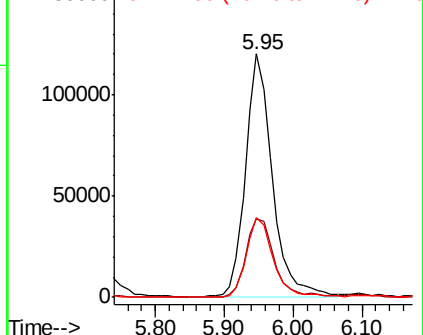
42 100

72 34.0 26.9 40.3

71 32.7 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: 21.104 ug/l

RT: 6.09 min Scan# 464

Delta R.T. 0.02 min

Lab File: VD060095.D

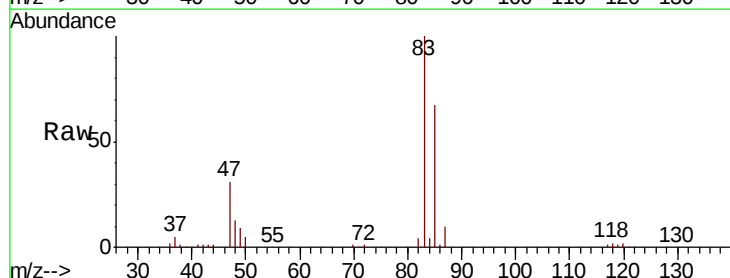
Acq: 28 Sep 2018 14:06

Tgt Ion: 83 Resp: 583013

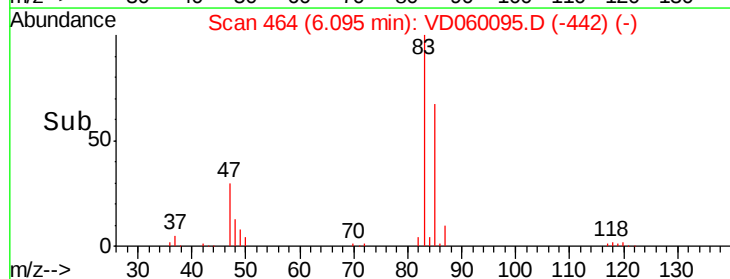
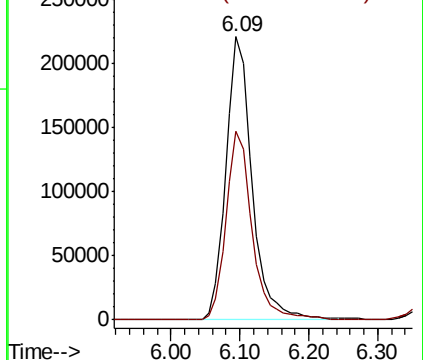
Ion Ratio Lower Upper

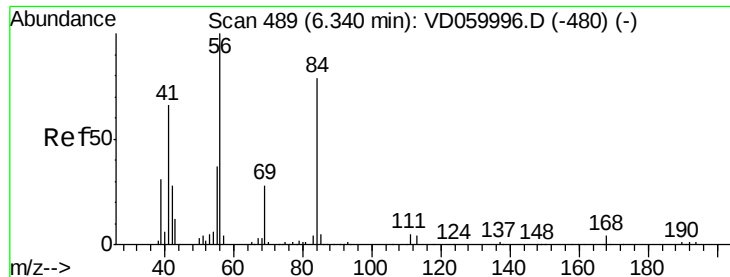
83 100

85 66.5 52.6 78.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

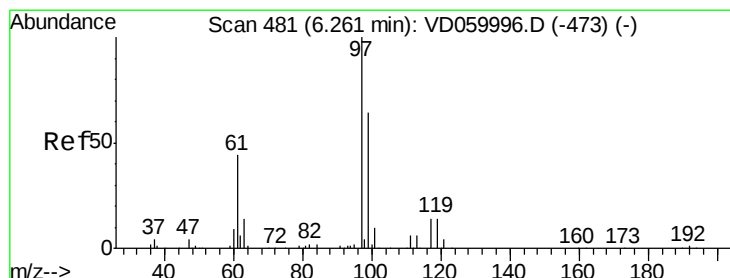
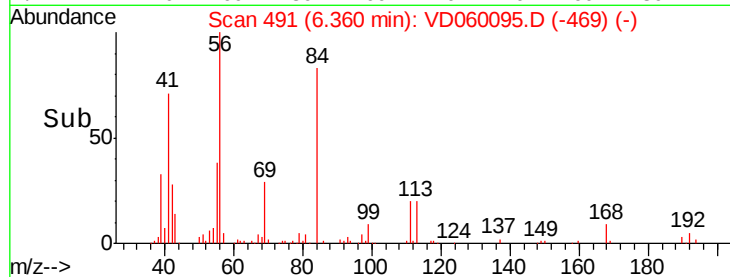
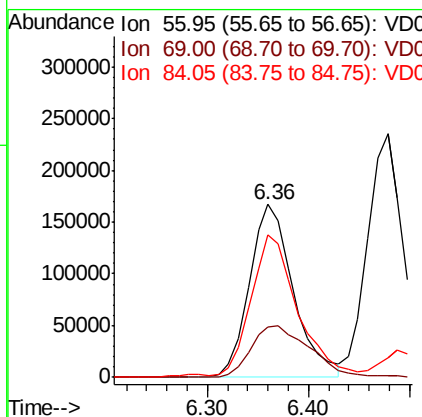
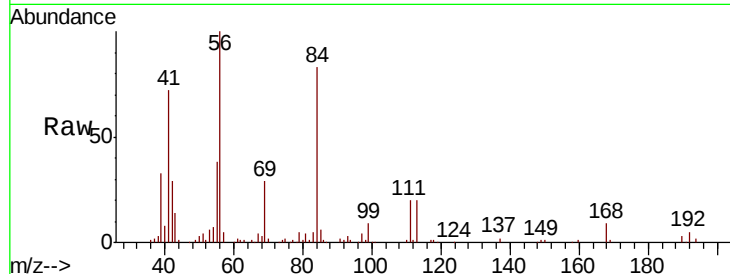




#31
Cyclohexane
Concen: 19.056 ug/l
RT: 6.36 min Scan# 491
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

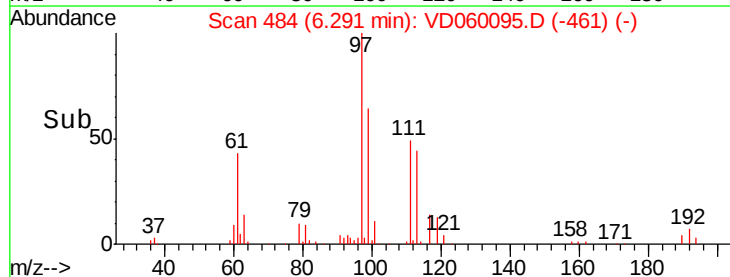
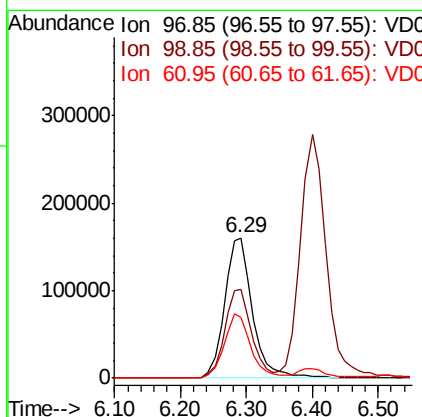
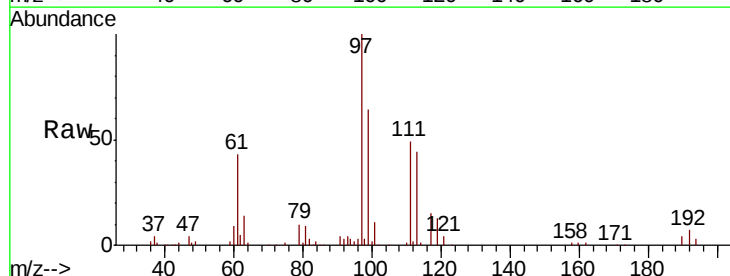
Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

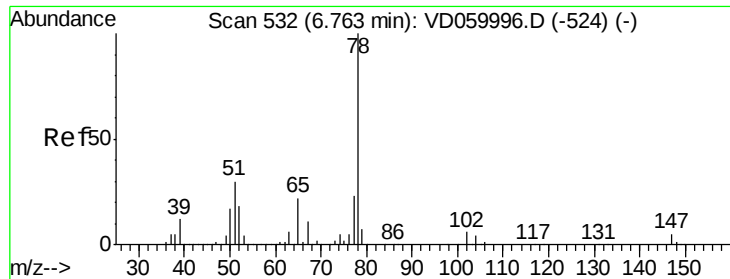
Tot Ion: 56 Resp: 506124
Ion Ratio Lower Upper
56 100
69 29.5 22.7 34.1
84 82.5 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 20.673 ug/l
RT: 6.29 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion: 97 Resp: 473649
Ion Ratio Lower Upper
97 100
99 63.6 51.3 76.9
61 43.4 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 20.673 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

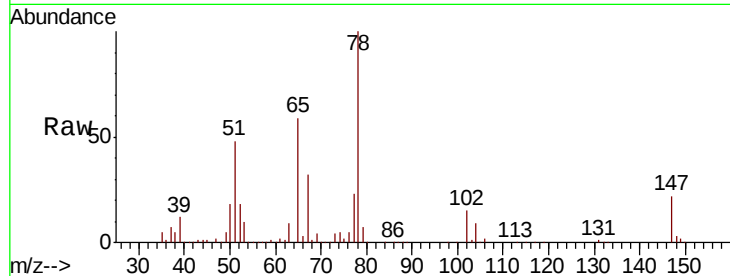
VD0928SBSD01

Tot Ion: 65 Resp: 615145

Ion Ratio Lower Upper

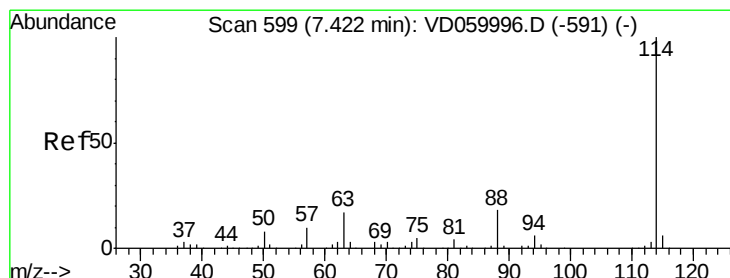
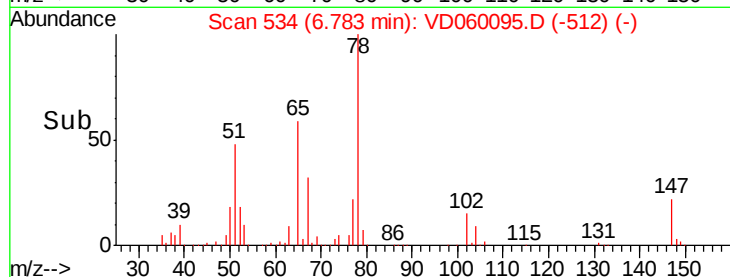
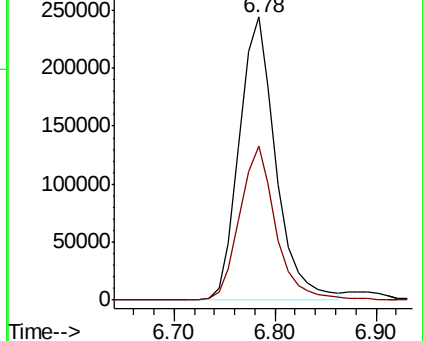
65 100

67 54.3 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

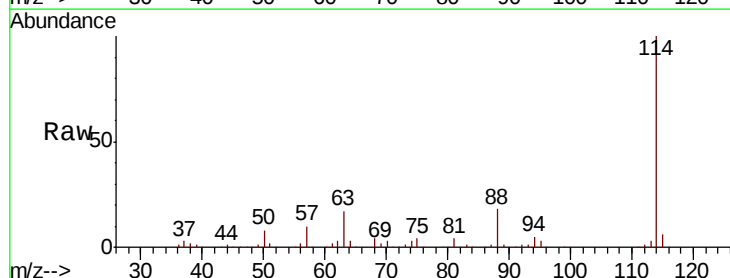
Tgt Ion: 114 Resp: 2062866

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

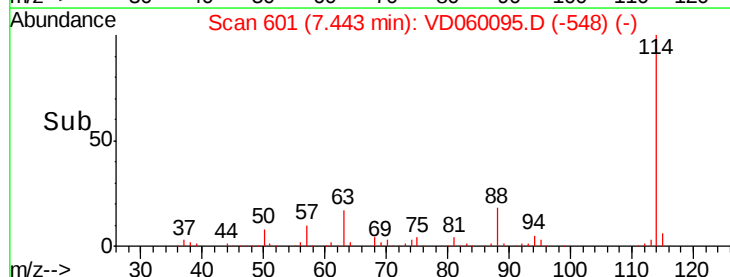
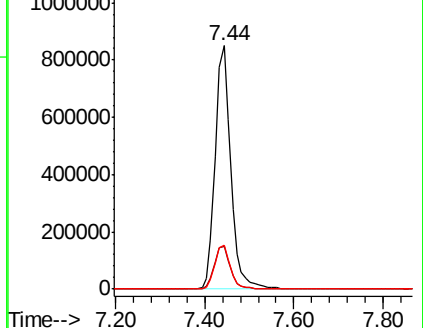
88 18.3 0.0 35.8

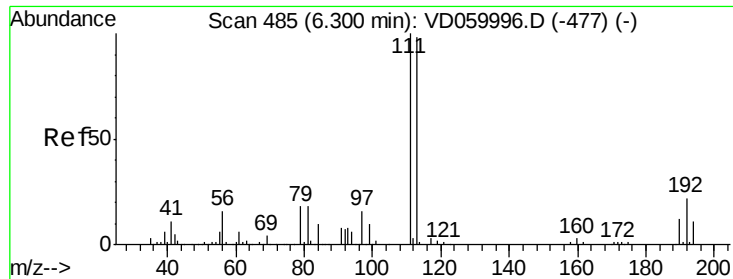


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

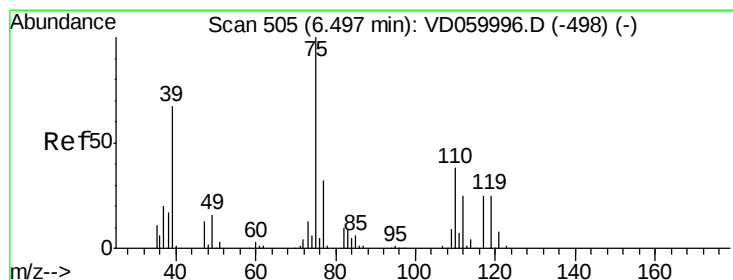
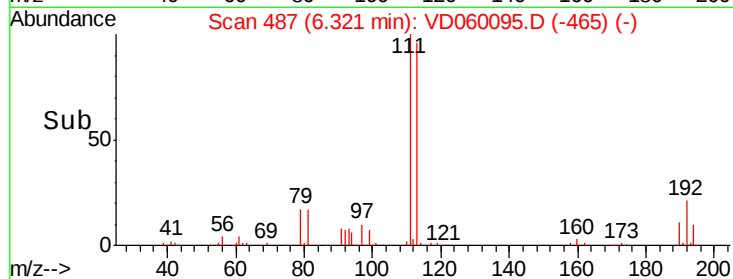
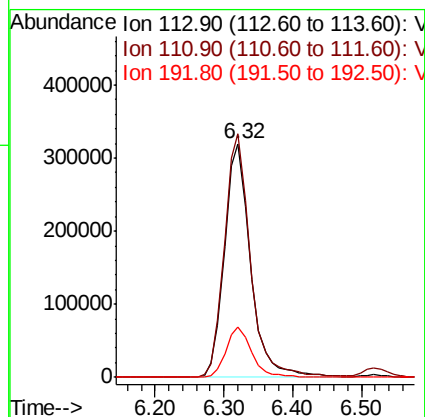
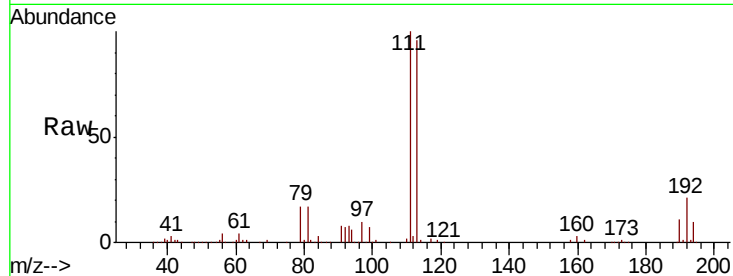




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

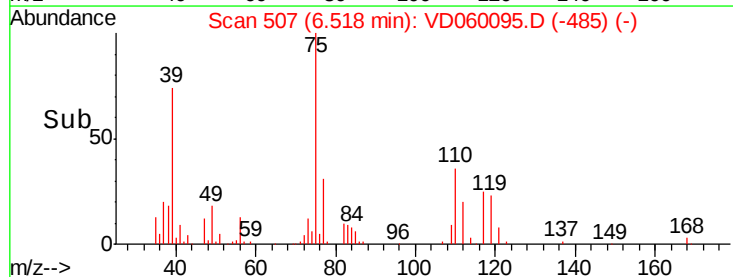
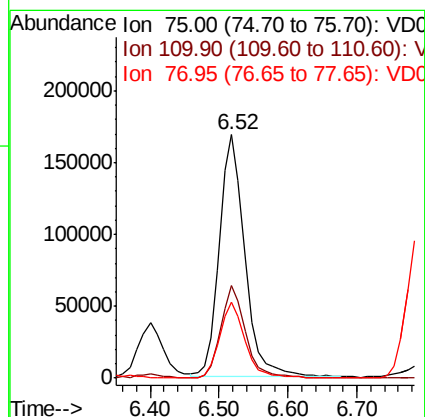
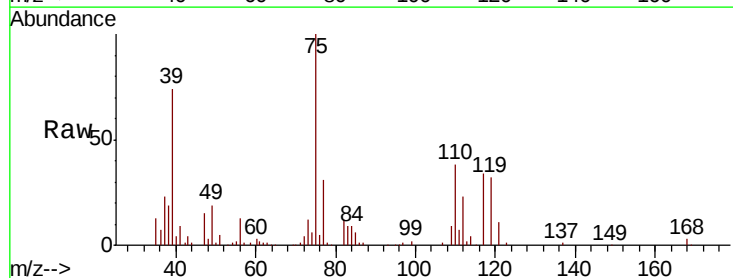
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

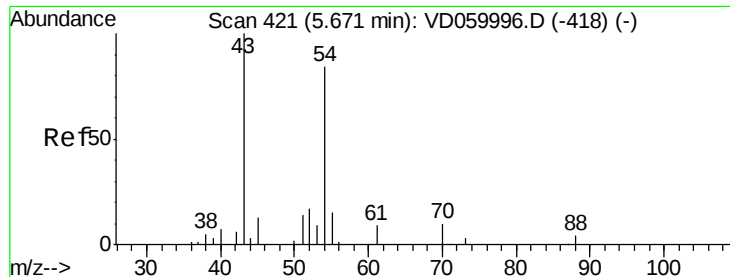
Tot Ion:113 Resp: 839595
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.3 121.9
 192 21.5 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 21.005 ug/l
 RT: 6.52 min Scan# 507
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion: 75 Resp: 430428
 Ion Ratio Lower Upper
 75 100
 110 37.9 18.9 56.9
 77 31.1 25.3 37.9

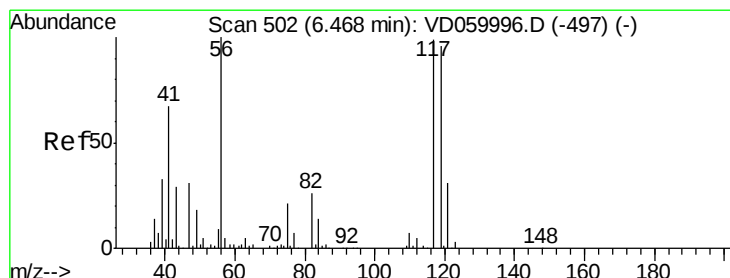
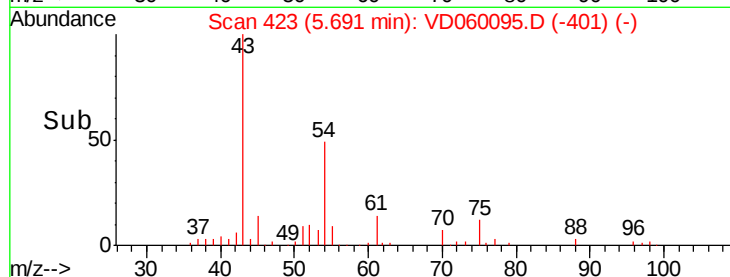
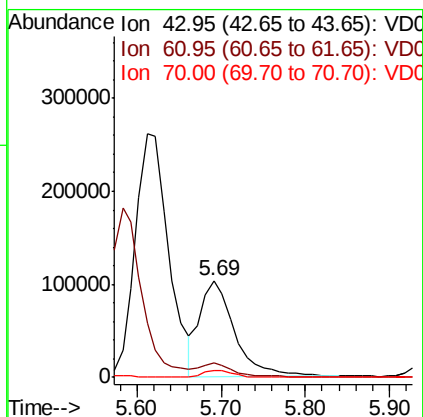
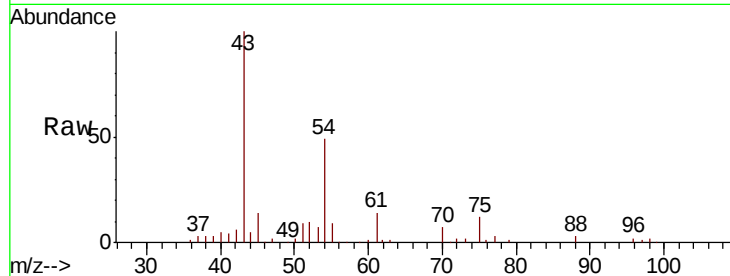




#37
Ethyl Acetate
Concen: 20.649 ug/l
RT: 5.69 min Scan# 423
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

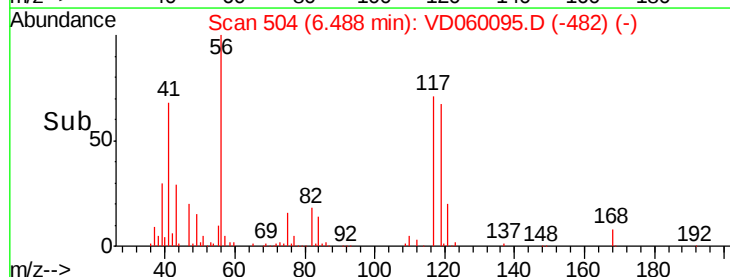
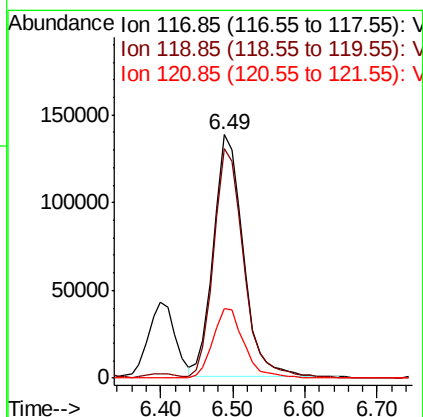
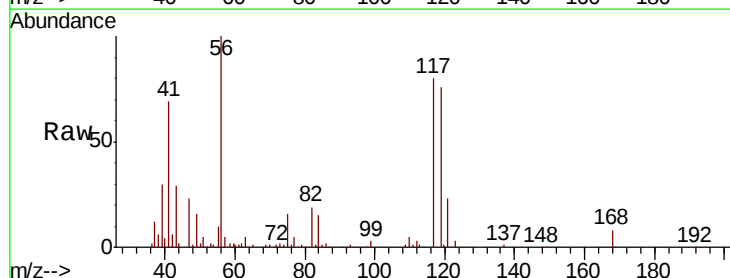
Instrument :
MSVOA_D
ClientSampleID :
VD0928SBS01

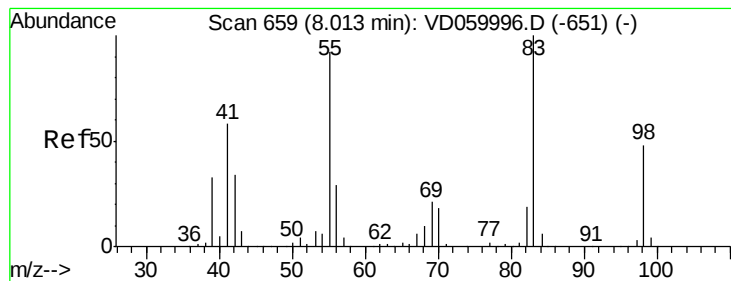
Tot Ion: 43 Resp: 290973
Ion Ratio Lower Upper
43 100
61 14.3 10.2 15.2
70 7.2 6.1 9.1



#38
Carbon Tetrachloride
Concen: 20.568 ug/l
RT: 6.49 min Scan# 504
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion: 117 Resp: 393441
Ion Ratio Lower Upper
117 100
119 94.2 76.7 115.1
121 28.7 24.9 37.3





#39

Methvlcvclohexane

Concen: 20.633 ug/l

RT: 8.03 min Scan# 661

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBSD01

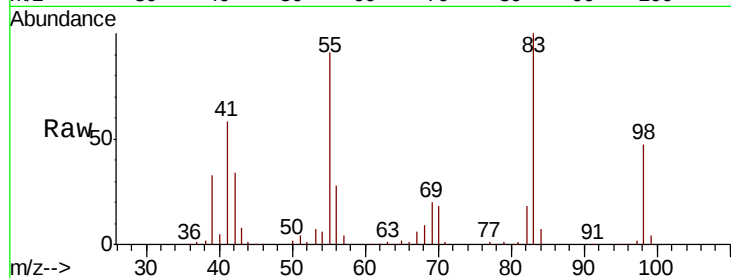
Tot Ion: 83 Resp: 478278

Ion Ratio Lower Upper

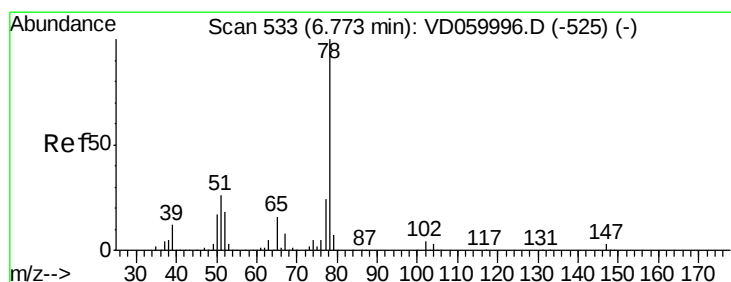
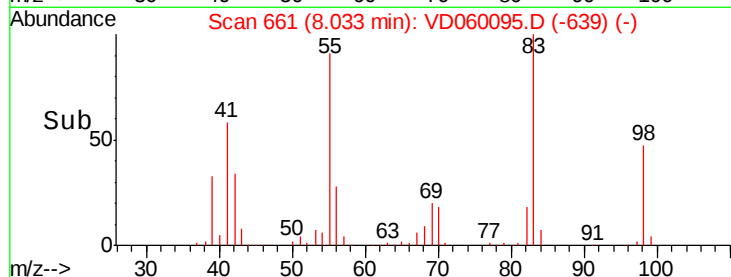
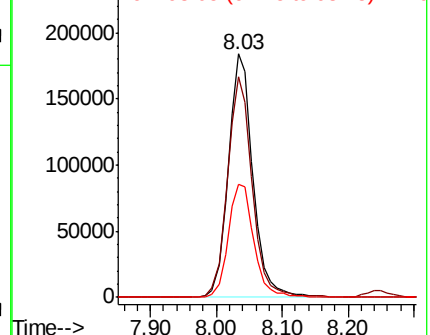
83 100

55 90.6 73.8 110.6

98 46.6 38.1 57.1



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 21.715 ug/l

RT: 6.79 min Scan# 535

Delta R.T. 0.02 min

Lab File: VD060095.D

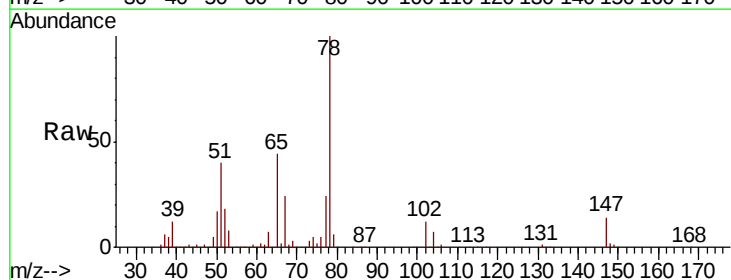
Acq: 28 Sep 2018 14:06

Tgt Ion: 78 Resp: 1134100

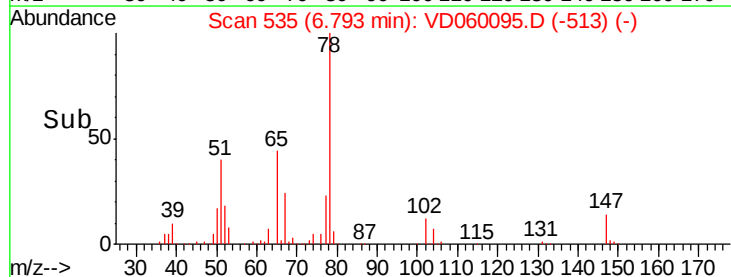
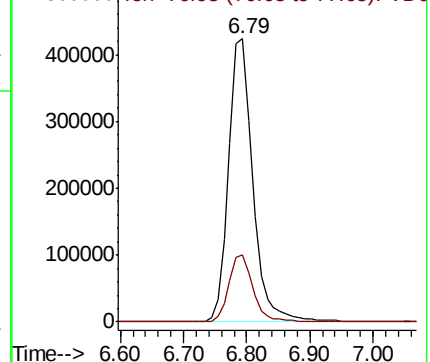
Ion Ratio Lower Upper

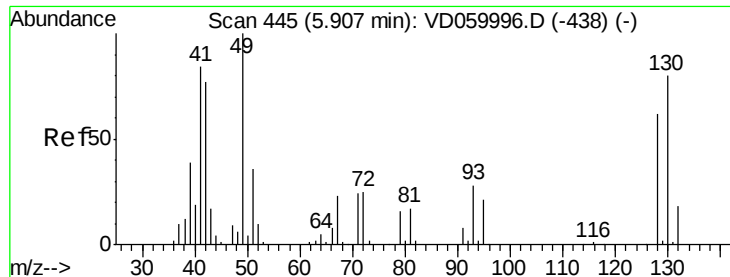
78 100

77 23.6 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 46.129 ug/l

RT: 5.95 min Scan# 449

Delta R.T. 0.04 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 41 Resp: 340458

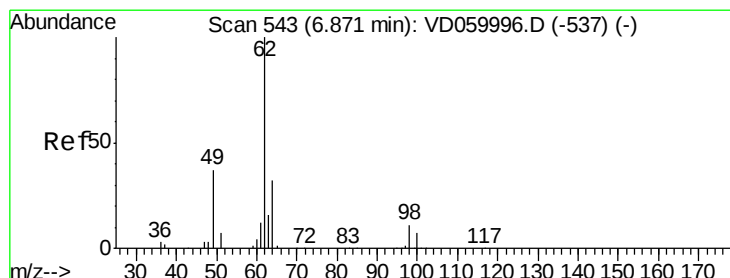
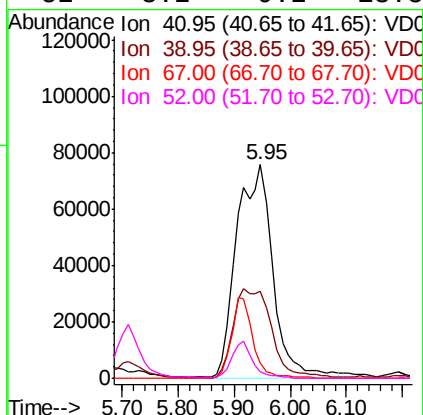
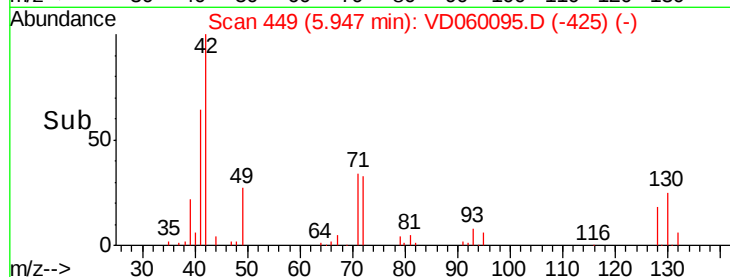
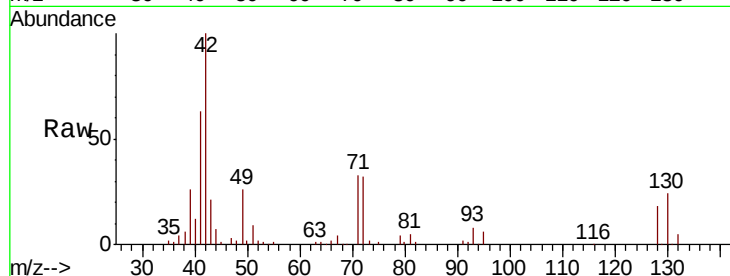
Ion Ratio Lower Upper

41 100

39 40.7 37.5 56.3

67 7.0 21.5 32.3#

52 3.2 9.2 13.8#



#42

1,2-Dichloroethane

Concen: 20.629 ug/l

RT: 6.89 min Scan# 545

Delta R.T. 0.02 min

Lab File: VD060095.D

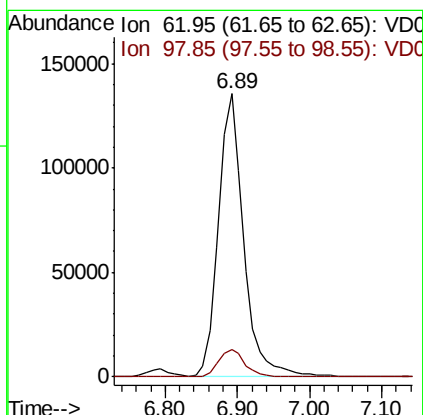
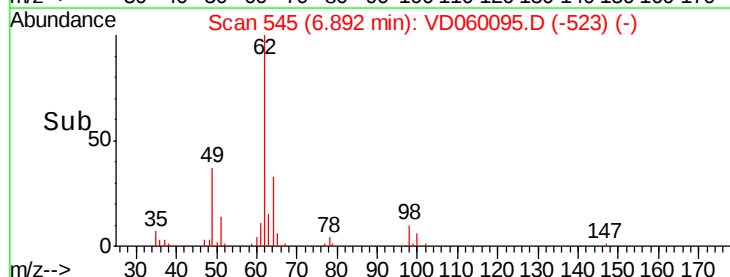
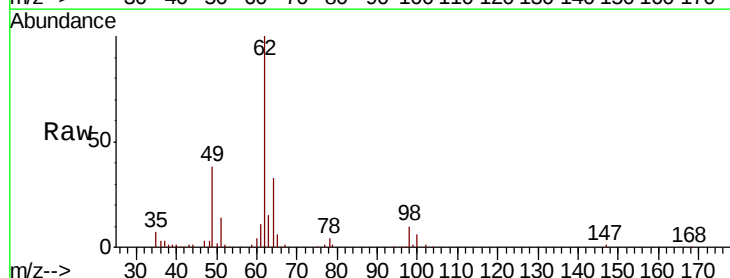
Acq: 28 Sep 2018 14:06

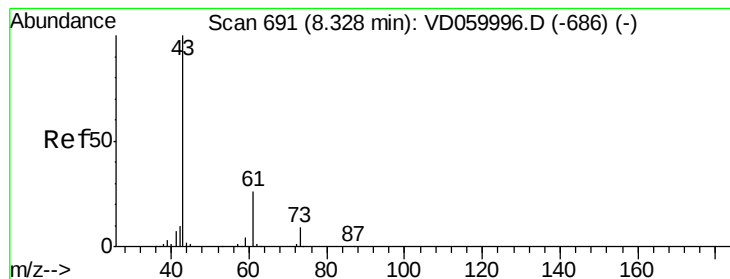
Tgt Ion: 62 Resp: 323501

Ion Ratio Lower Upper

62 100

98 9.7 0.0 21.4



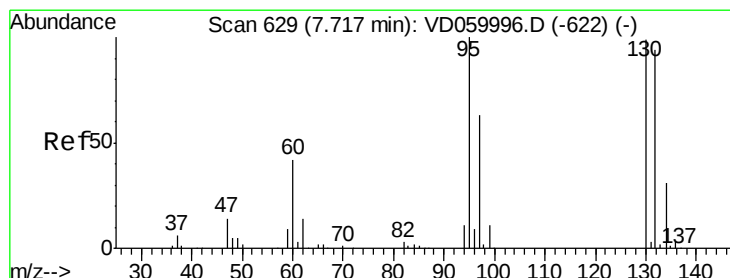
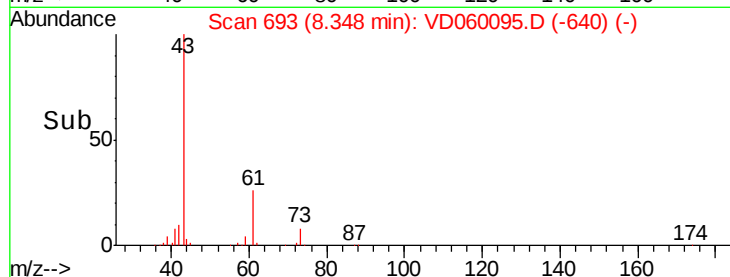
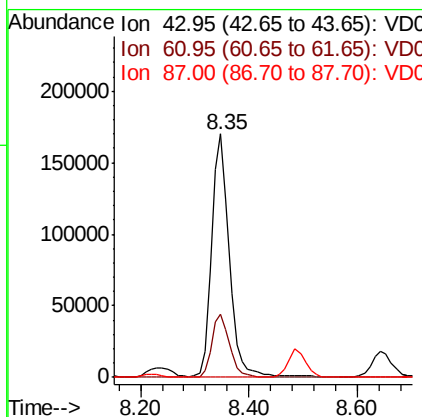
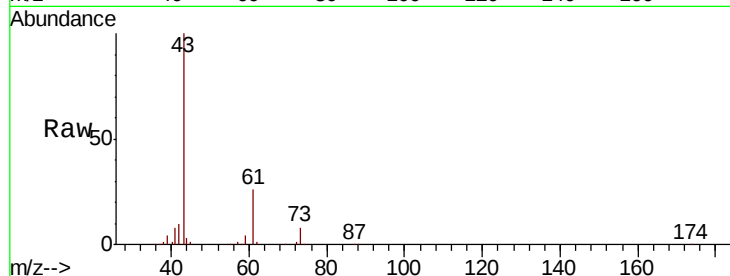


#43

Isopropyl Acetate
 Concen: 20.356 ug/l
 RT: 8.35 min Scan# 693
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

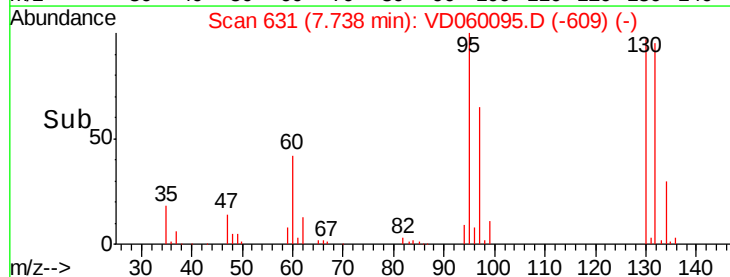
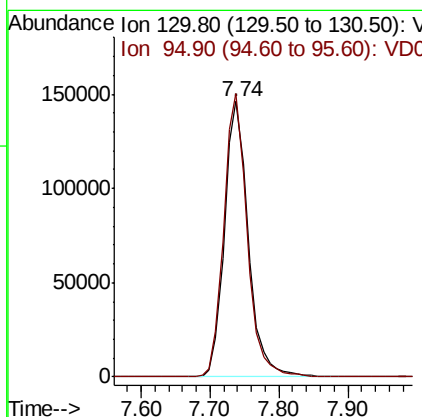
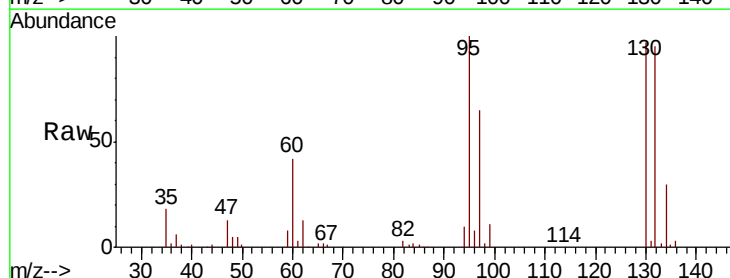
Tot Ion: 43 Resp: 384063
 Ion Ratio Lower Upper
 43 100
 61 25.9 21.0 31.6
 87 0.3 0.2 0.2#

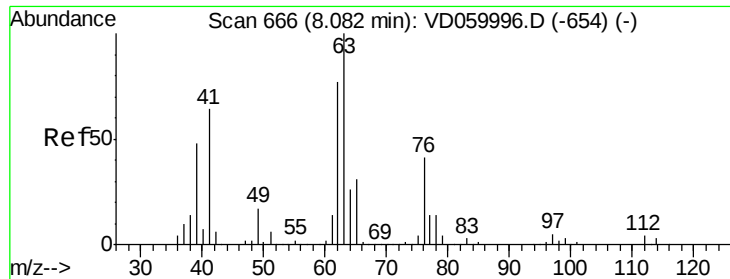


#44

Trichloroethene
 Concen: 21.665 ug/l
 RT: 7.74 min Scan# 631
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion:130 Resp: 349600
 Ion Ratio Lower Upper
 130 100
 95 102.8 0.0 202.0

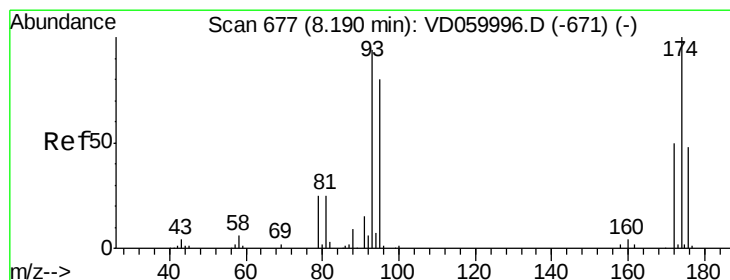
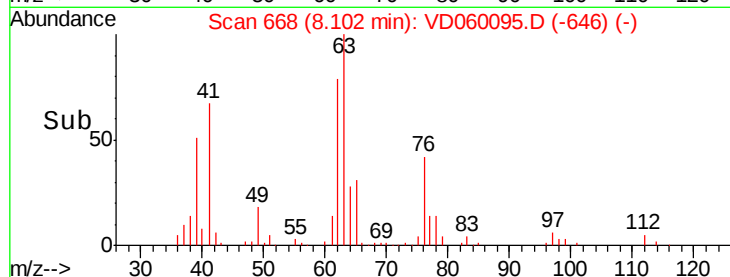
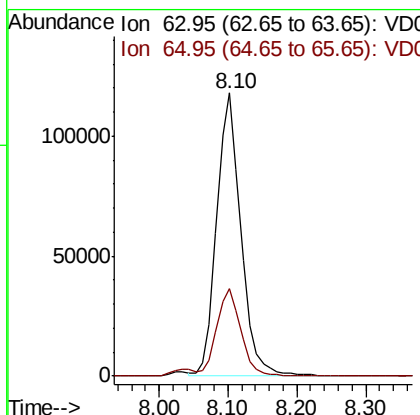
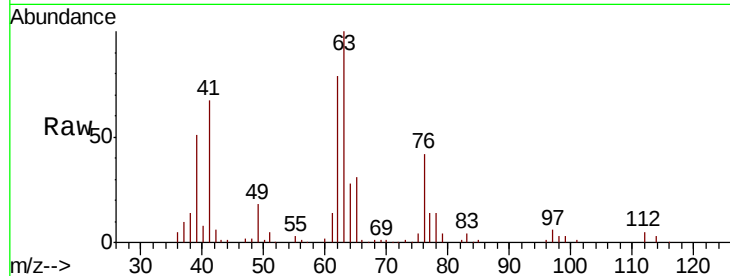




#45
 1,2-Dichloropropane
 Concen: 20.580 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

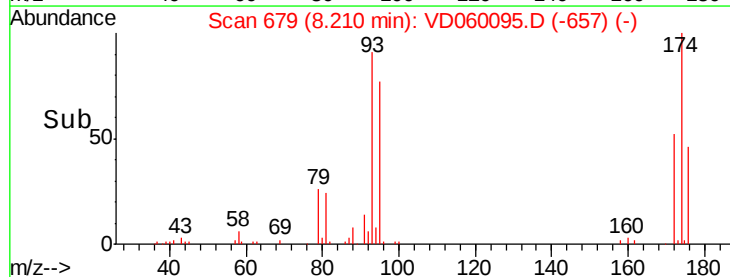
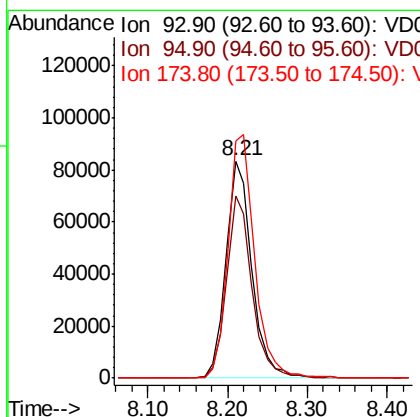
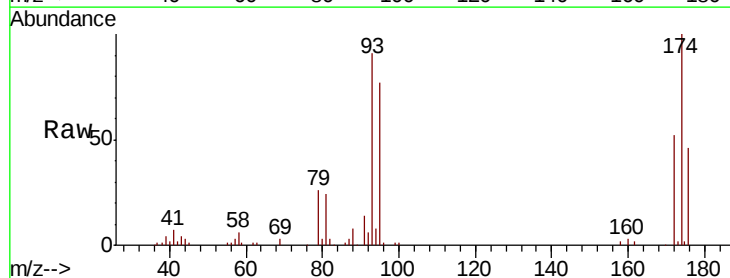
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

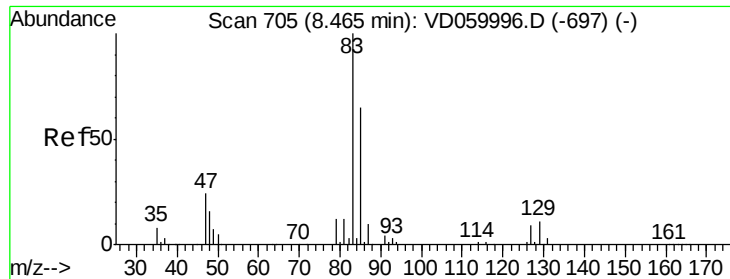
Tot Ion: 63 Resp: 287409
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 37.0



#46
 Dibromomethane
 Concen: 20.929 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion: 93 Resp: 190706
 Ion Ratio Lower Upper
 93 100
 95 84.3 68.0 102.0
 174 109.6 85.4 128.2





#47

Bromodichloromethane

Concen: 20.978 ug/l

RT: 8.49 min Scan# 707

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBSD01

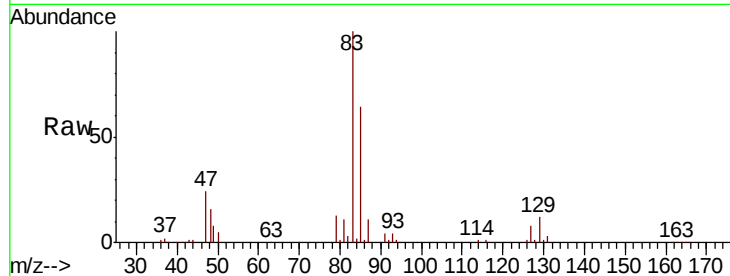
Tot Ion: 83 Resp: 412129

Ion Ratio Lower Upper

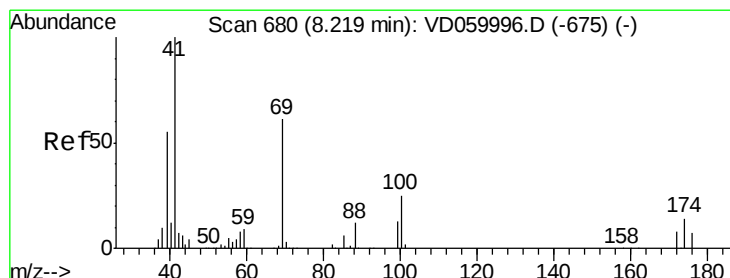
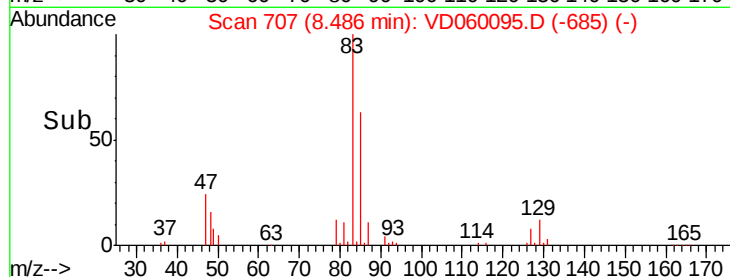
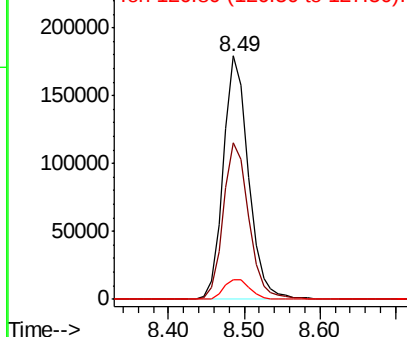
83 100

85 64.1 51.9 77.9

127 8.3 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: 20.076 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

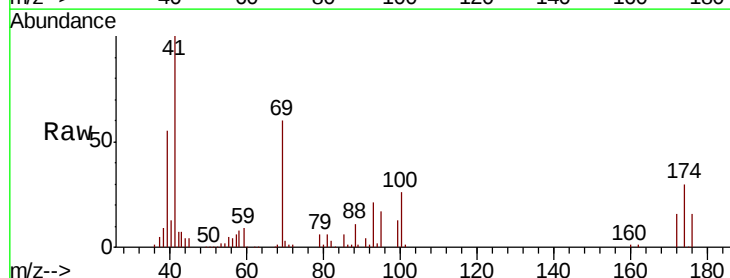
Tgt Ion: 41 Resp: 210952

Ion Ratio Lower Upper

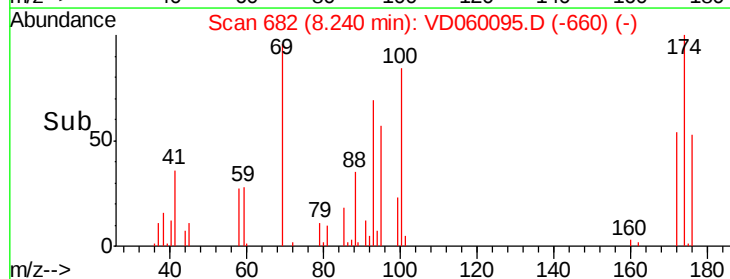
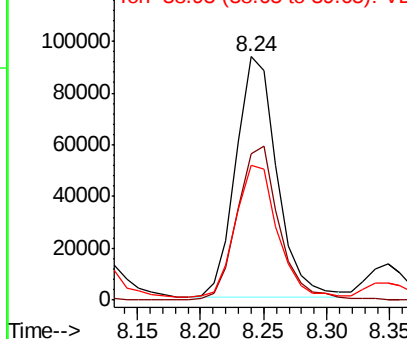
41 100

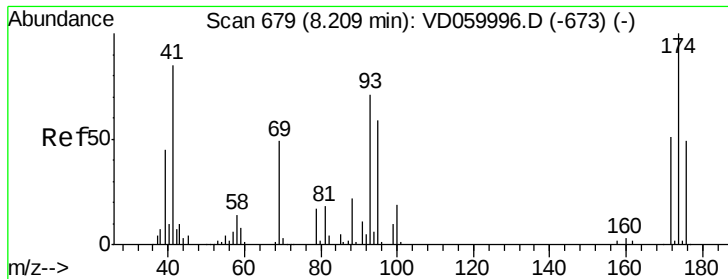
69 60.4 48.3 72.5

39 55.1 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

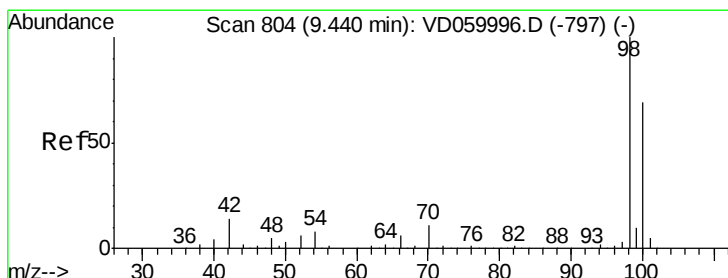
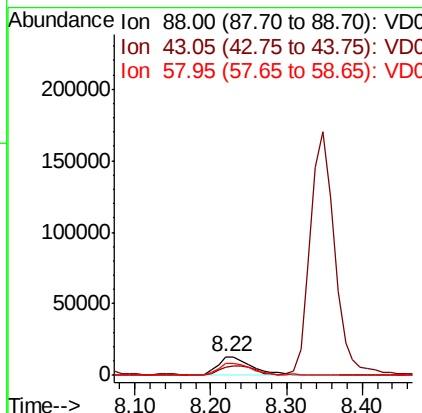
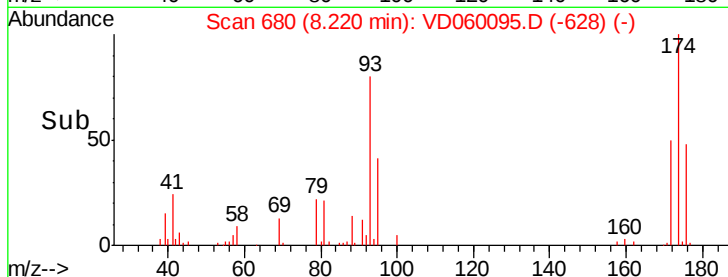
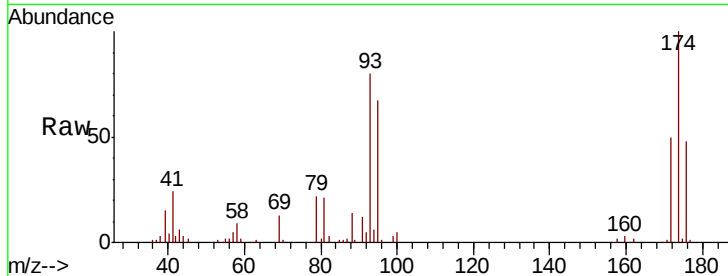




#49
1,4-Dioxane
Concen: 398.284 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

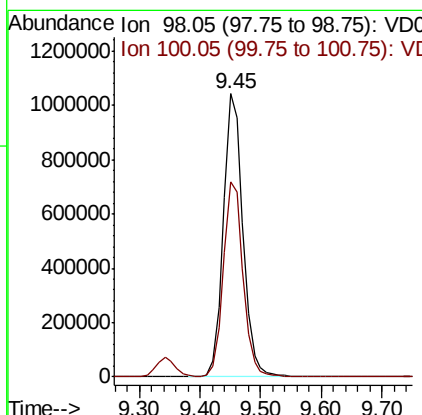
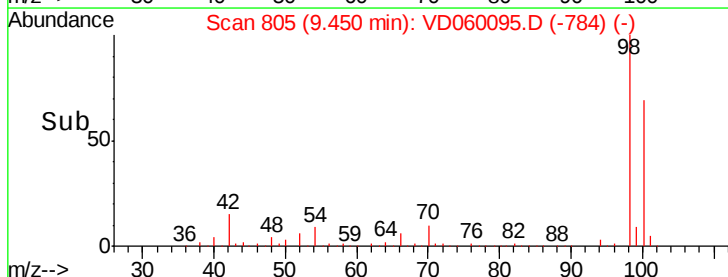
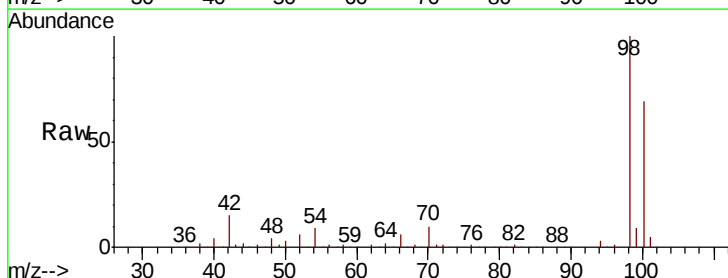
Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

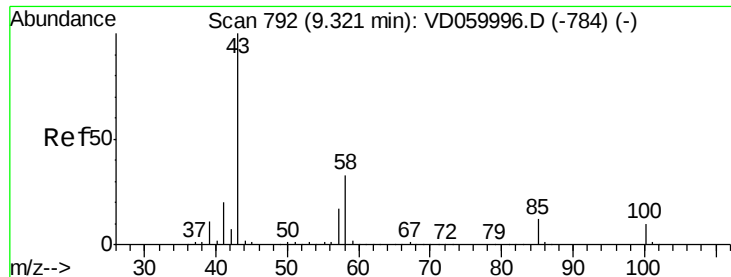
Tot Ion: 88 Resp: 41568
Ion Ratio Lower Upper
88 100
43 43.0 36.2 54.2
58 62.5 51.0 76.6



#50
Toluene-d8
Concen: 398.284 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion: 98 Resp: 2337030
Ion Ratio Lower Upper
98 100
100 68.8 55.8 83.6





#51

4-Methyl-2-Pentanone

Concen: 112.192 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

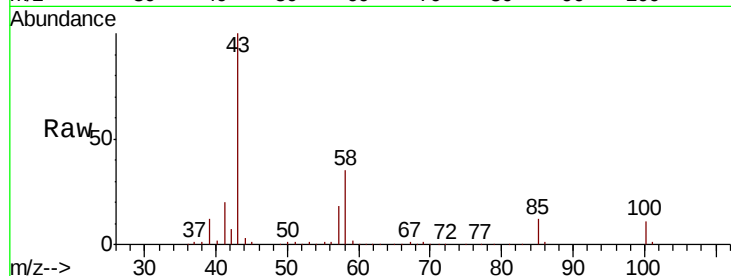
VD0928SBS01

Tot Ion: 43 Resp: 1540397

Ion Ratio Lower Upper

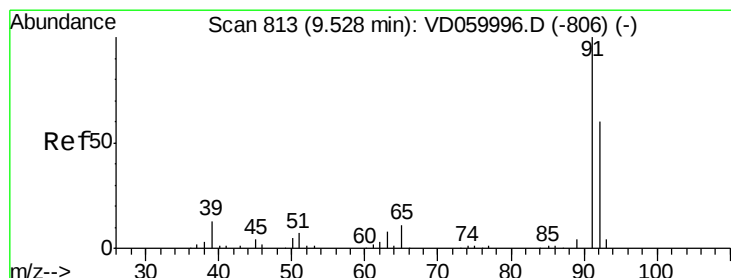
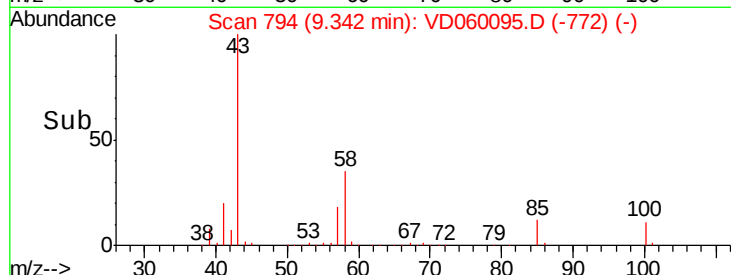
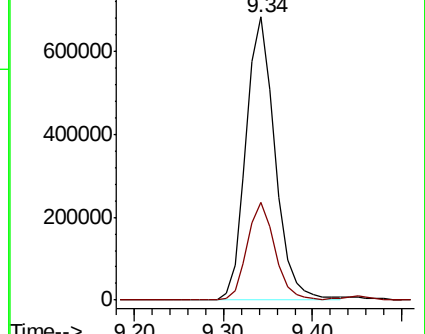
43 100

58 34.7 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: 21.684 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060095.D

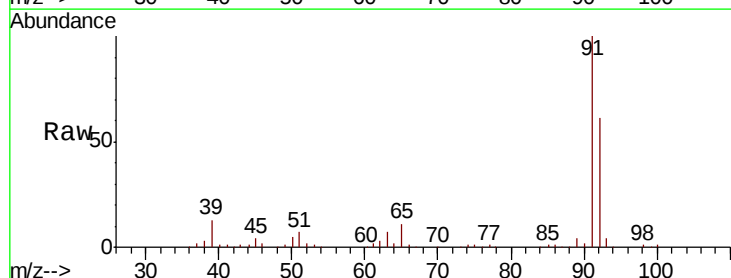
Acq: 28 Sep 2018 14:06

Tgt Ion: 92 Resp: 725918

Ion Ratio Lower Upper

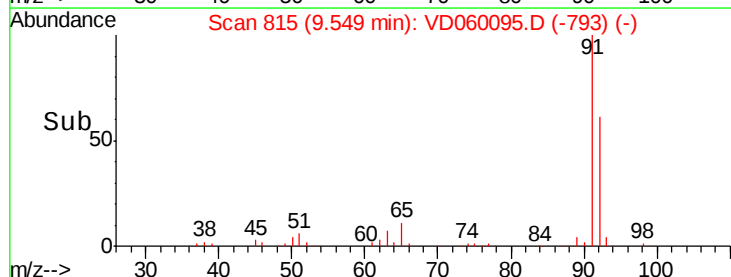
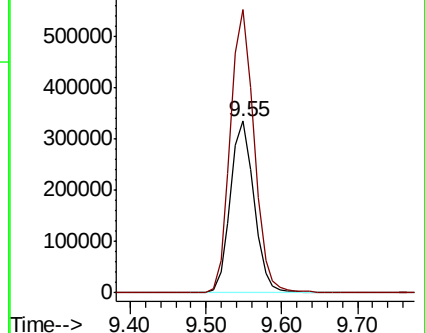
92 100

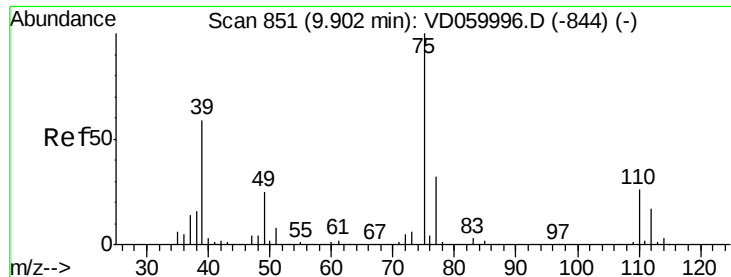
91 164.7 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

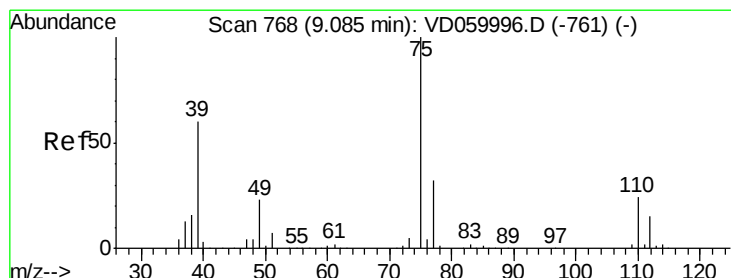
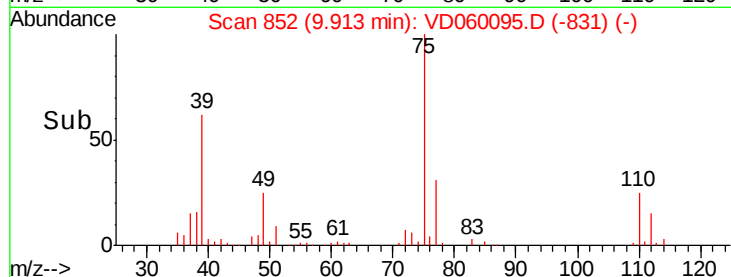
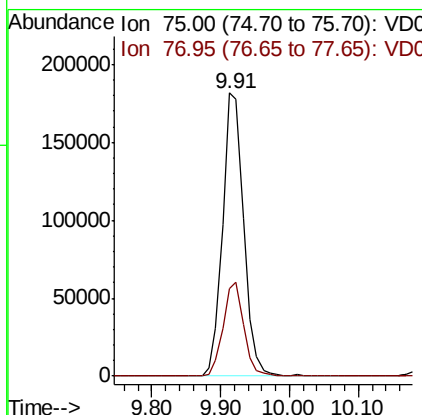
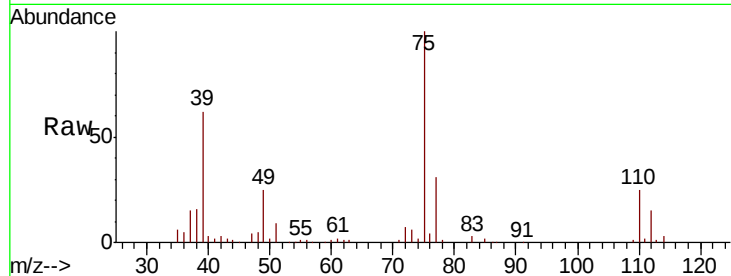




#53
 t-1,3-Dichloropropene
 Concen: 21.093 ug/l
 RT: 9.91 min Scan# 852
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

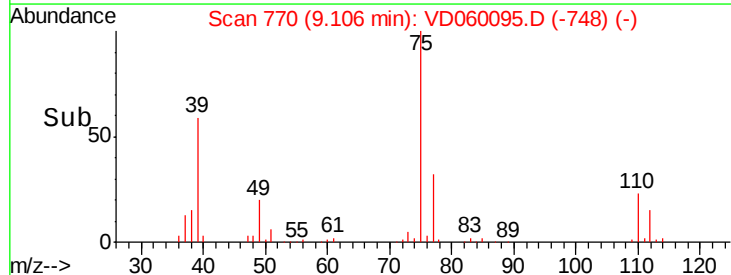
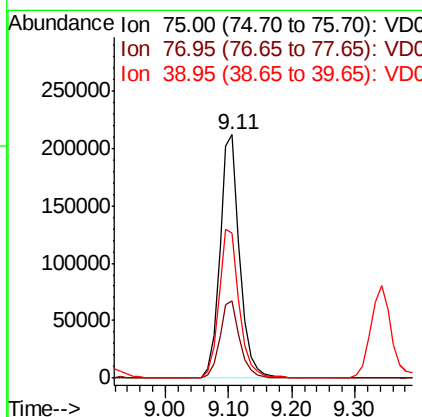
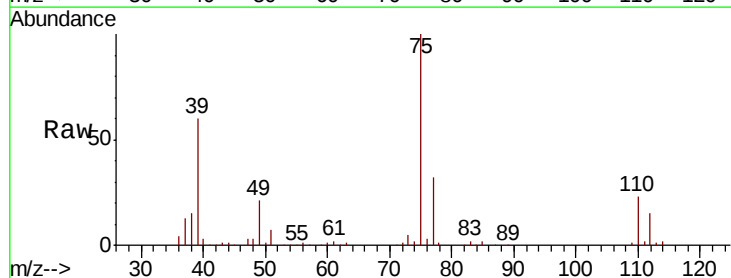
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

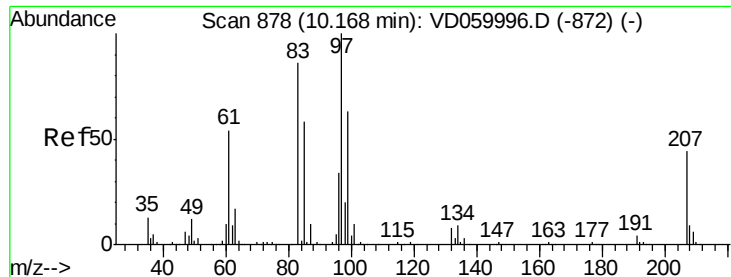
Tot Ion: 75 Resp: 386490
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 21.110 ug/l
 RT: 9.11 min Scan# 770
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion: 75 Resp: 462149
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3
 39 59.8 48.0 72.0

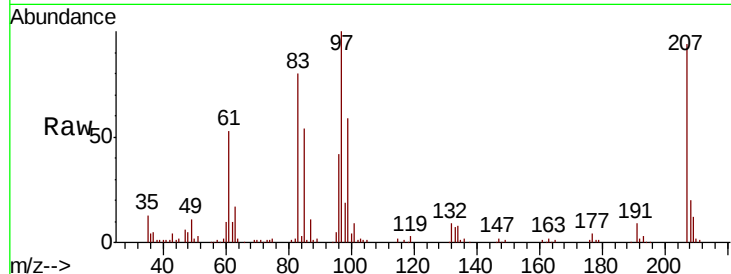




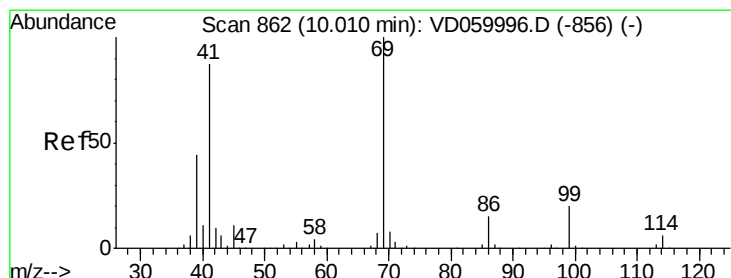
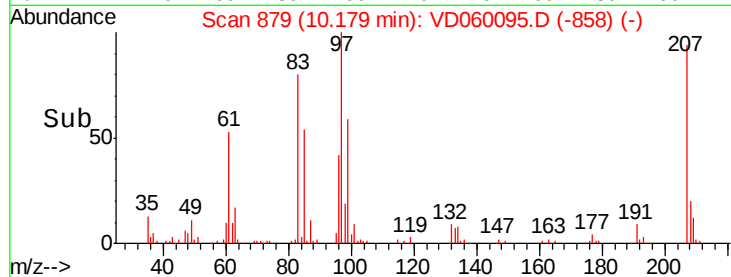
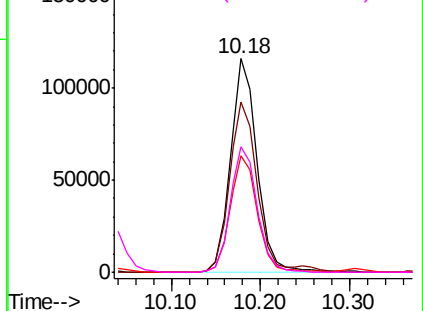
#55
 1,1,2-Trichloroethane
 Concen: 20.785 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion:	97	Resp:	241590
Ion	Ratio	Lower	Upper
97	100		
83	79.6	69.1	103.7
85	54.3	46.2	69.4
99	59.0	50.6	75.8

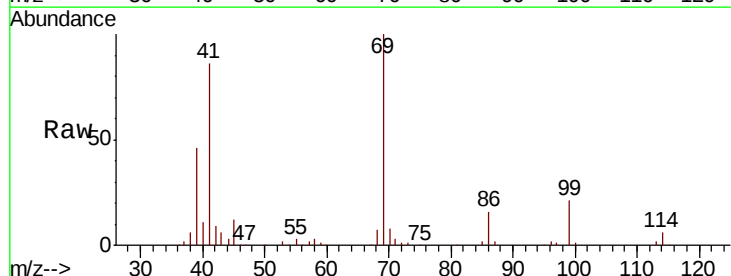


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

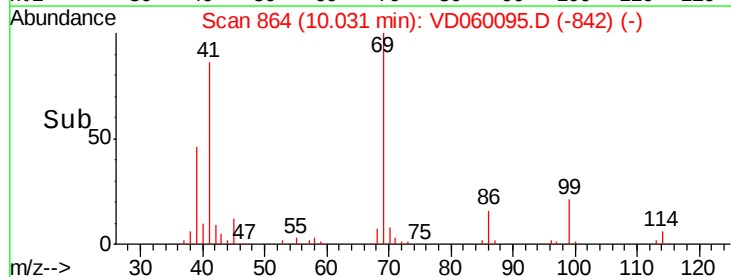
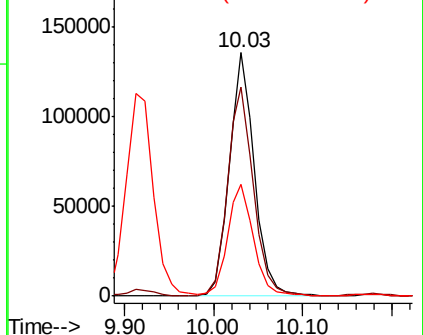


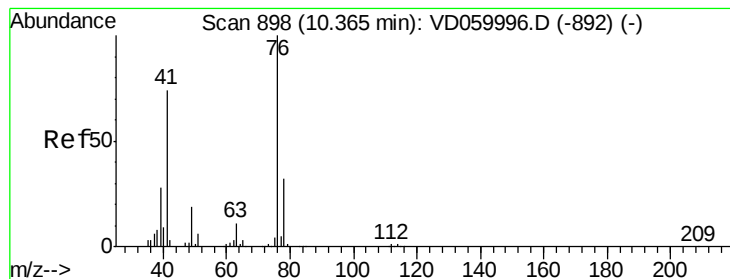
#56
 Ethyl methacrylate
 Concen: 20.714 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion:	69	Resp:	267047
Ion	Ratio	Lower	Upper
69	100		
41	85.8	70.1	105.1
39	45.7	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: 21.706 ug/l

RT: 10.39 min Scan# 900

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

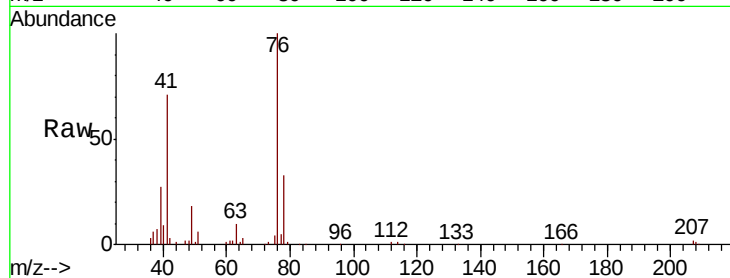
VD0928SBSD01

Tot Ion: 76 Resp: 372419

Ion Ratio Lower Upper

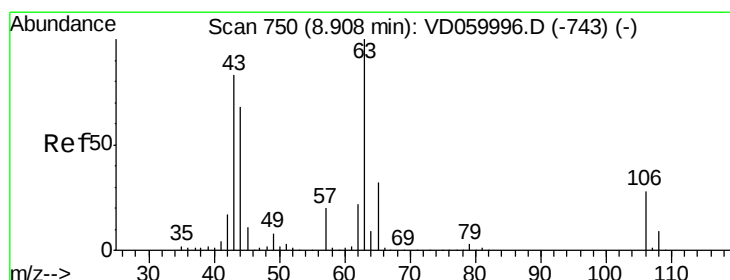
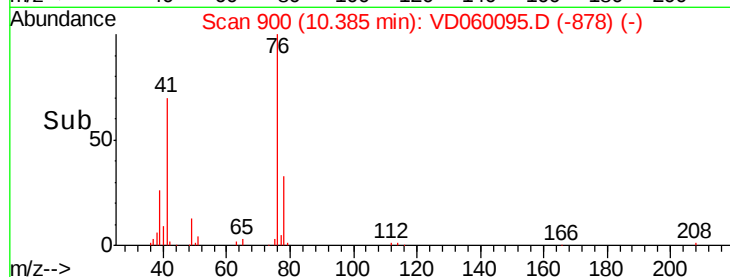
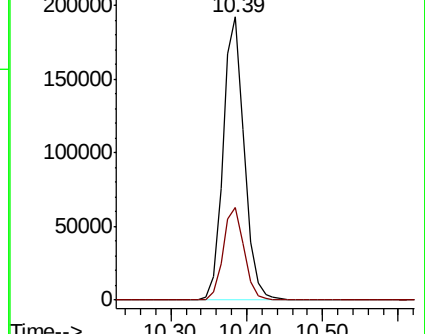
76 100

78 32.9 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 112.028 ug/l

RT: 8.92 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD060095.D

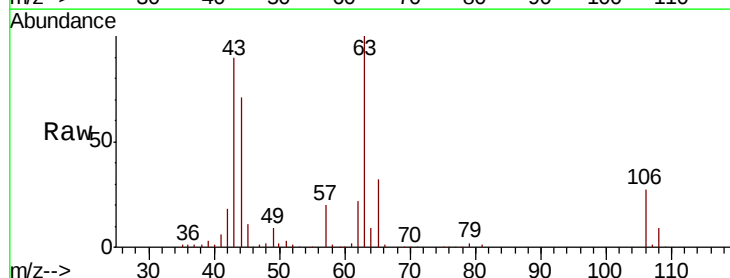
Acq: 28 Sep 2018 14:06

Tgt Ion: 63 Resp: 697437

Ion Ratio Lower Upper

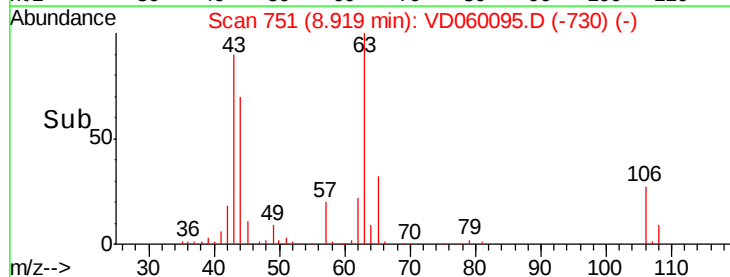
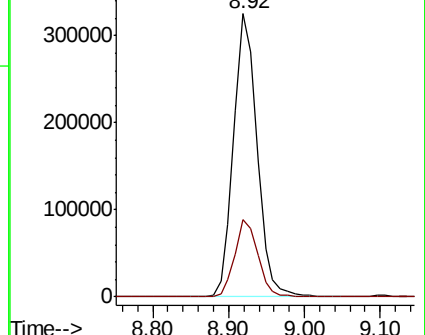
63 100

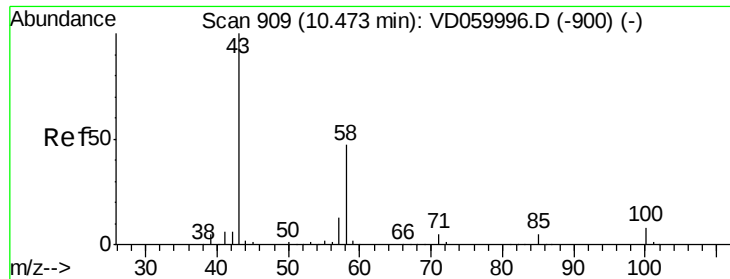
106 27.4 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

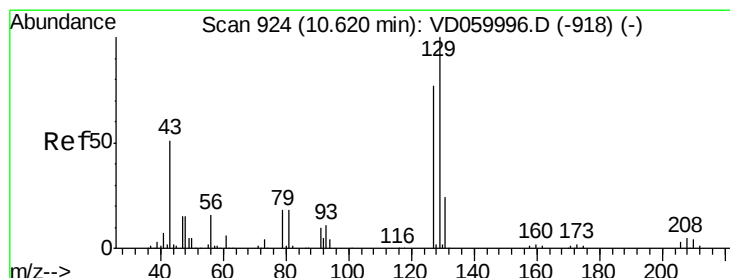
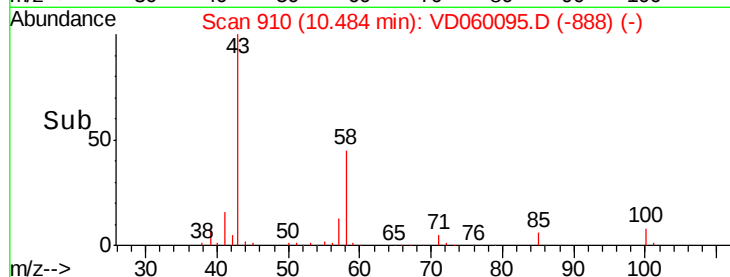
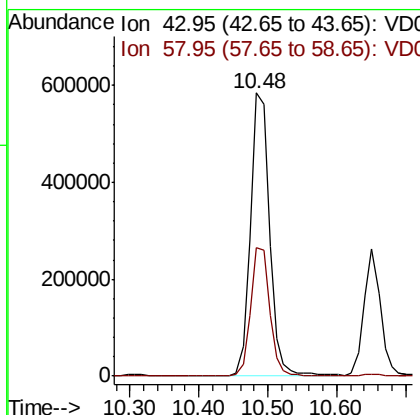
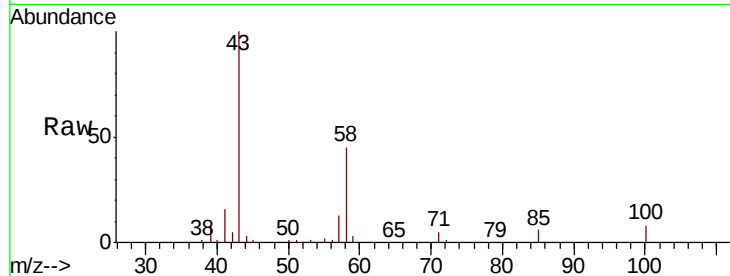




#59
2-Hexanone
Concen: 114.237 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

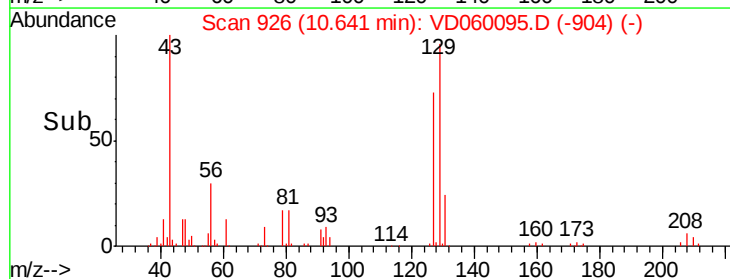
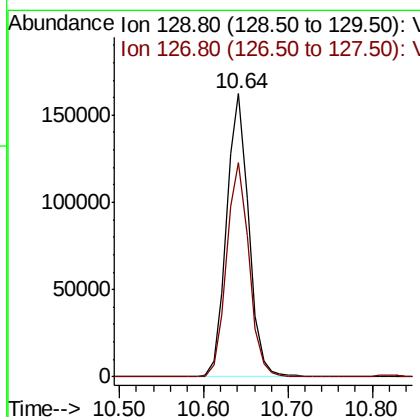
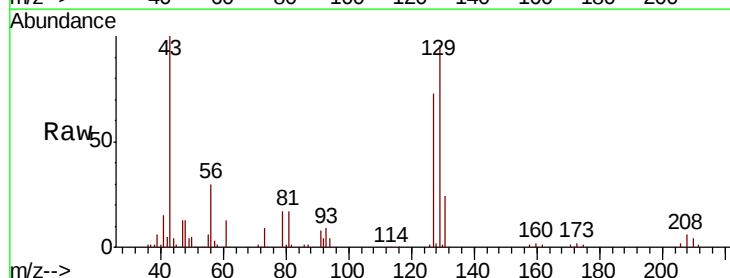
Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

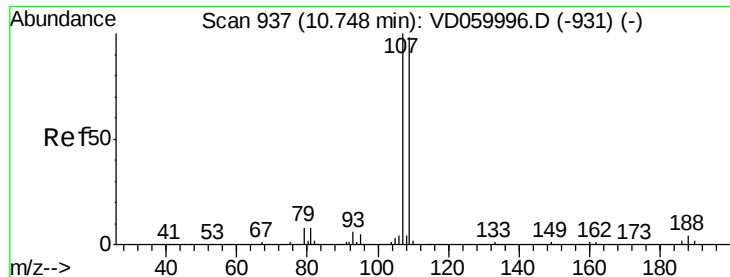
Tot Ion: 43 Resp: 1126391
Ion Ratio Lower Upper
43 100
58 45.4 23.4 70.0



#60
Dibromochloromethane
Concen: 20.935 ug/l
RT: 10.64 min Scan# 926
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion: 129 Resp: 296168
Ion Ratio Lower Upper
129 100
127 75.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.697 ug/l

RT: 10.76 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

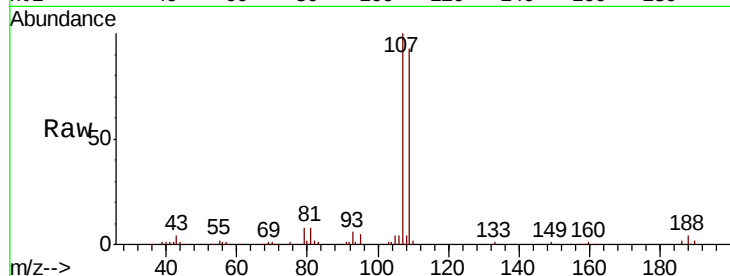
VD0928SBSD01

Tot Ion: 107 Resp: 248377

Ion Ratio Lower Upper

107 100

109 93.3 78.2 117.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76

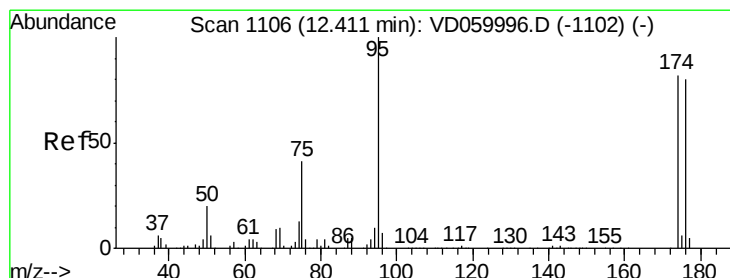
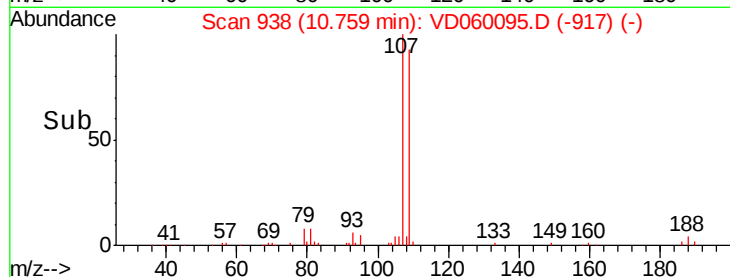
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.697 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

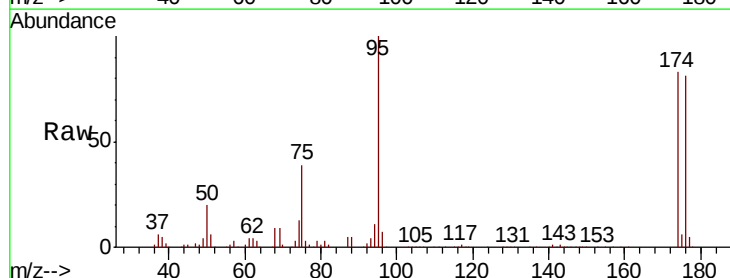
Tgt Ion: 95 Resp: 909453

Ion Ratio Lower Upper

95 100

174 82.9 0.0 165.0

176 81.4 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

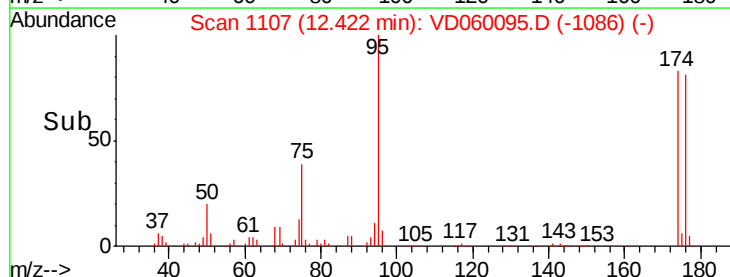
600000

400000

200000

0

Time-->

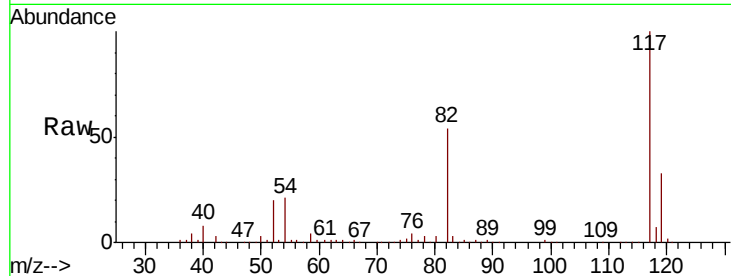




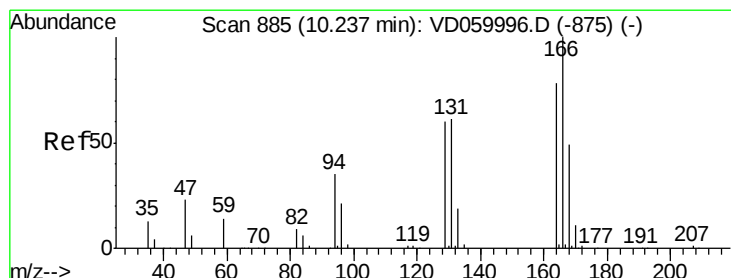
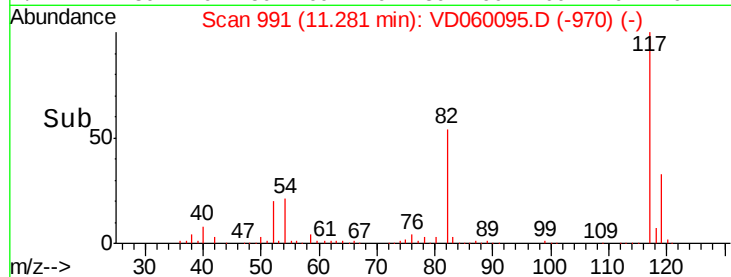
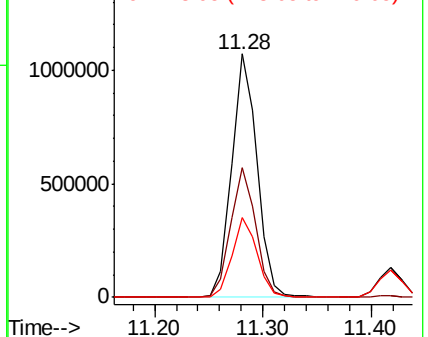
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

Tot Ion:117 Resp: 1746007
Ion Ratio Lower Upper
117 100
82 53.5 41.7 62.5
119 32.5 26.0 39.0

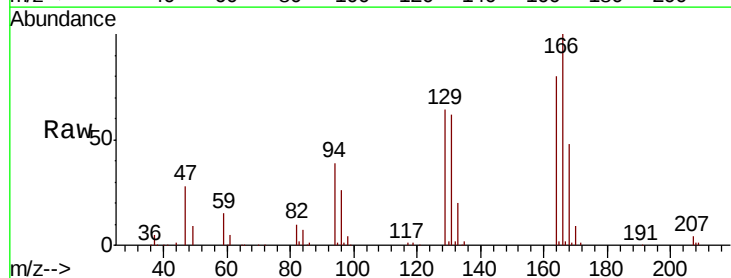


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

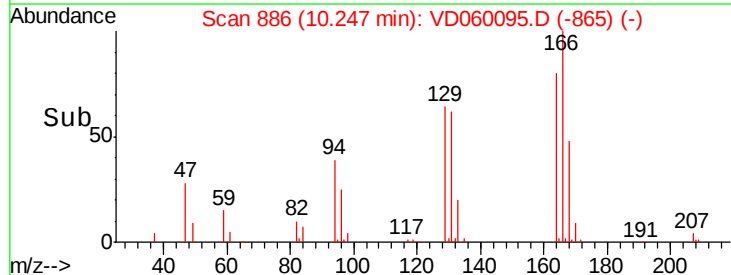
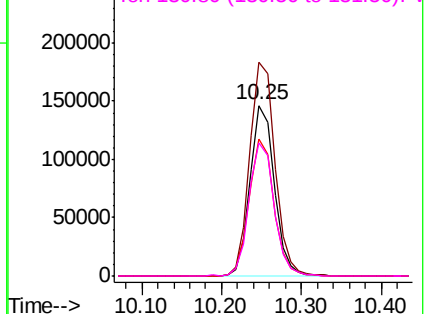


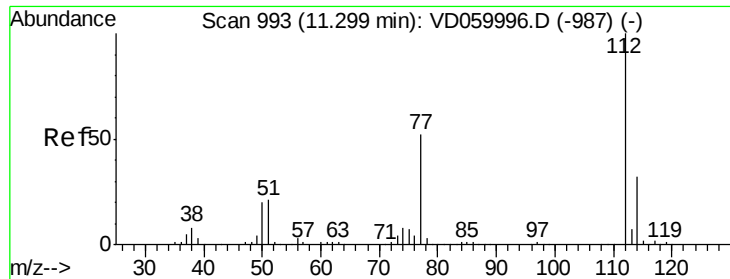
#64
Tetrachloroethene
Concen: 19.810 ug/l
RT: 10.25 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion:164 Resp: 305175
Ion Ratio Lower Upper
164 100
166 125.2 103.0 154.6
129 80.2 61.9 92.9
131 77.8 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: 21.500 ug/l

RT: 11.31 min Scan# 994

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

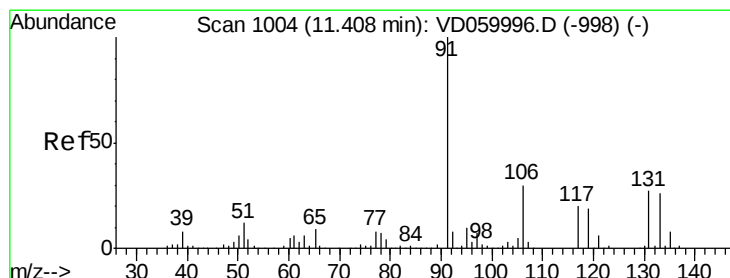
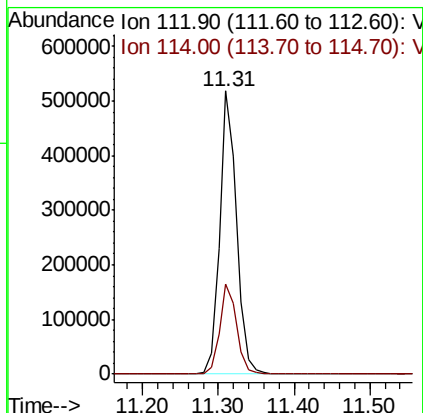
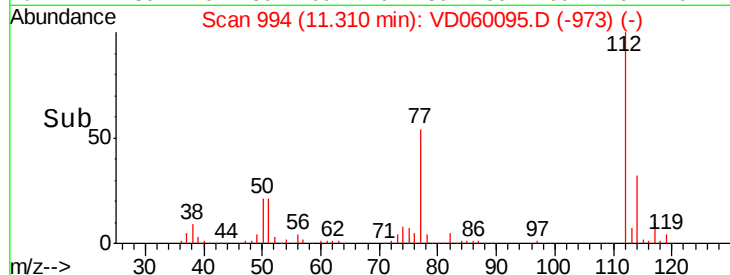
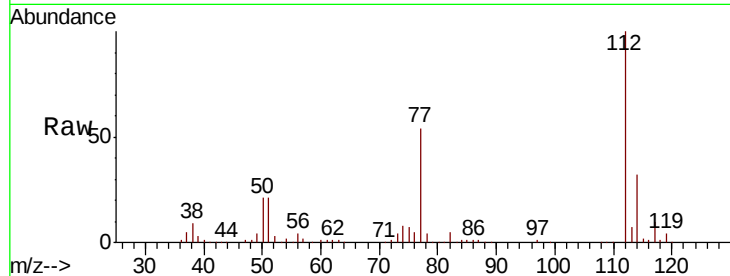
VD0928SBSD01

Tot Ion:112 Resp: 807089

Ion Ratio Lower Upper

112 100

114 31.8 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 21.711 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

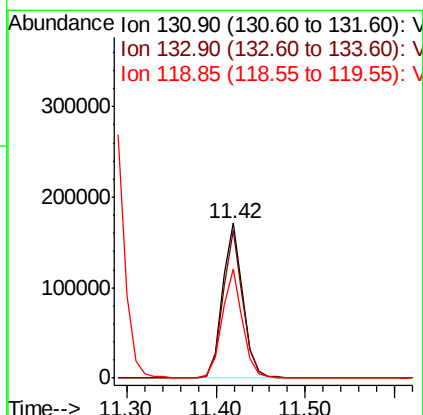
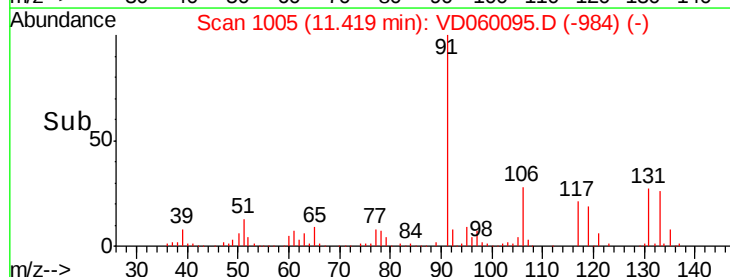
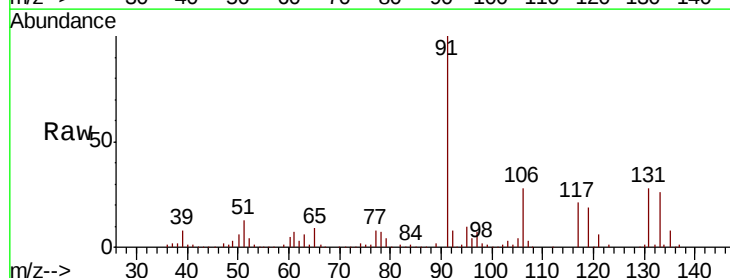
Tgt Ion:131 Resp: 274879

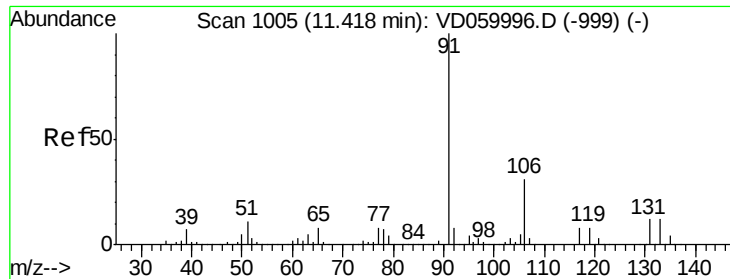
Ion Ratio Lower Upper

131 100

133 95.2 47.4 142.3

119 70.1 35.6 106.9

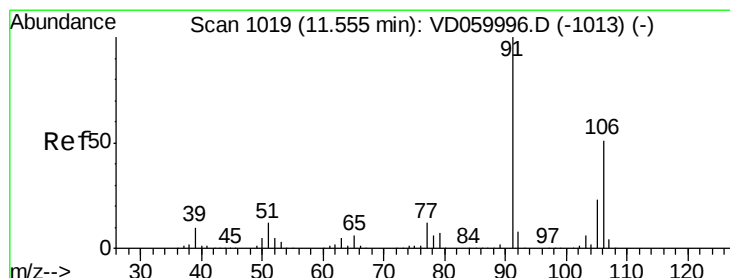
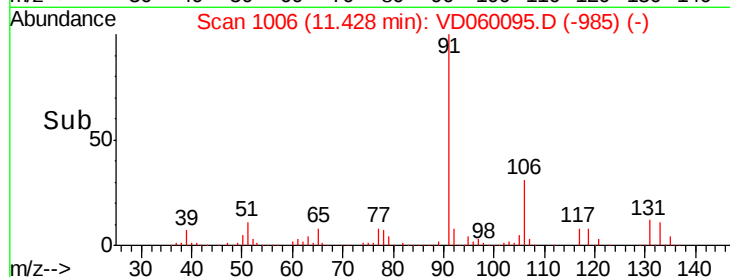
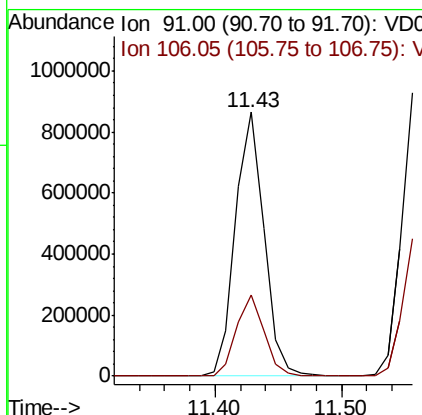
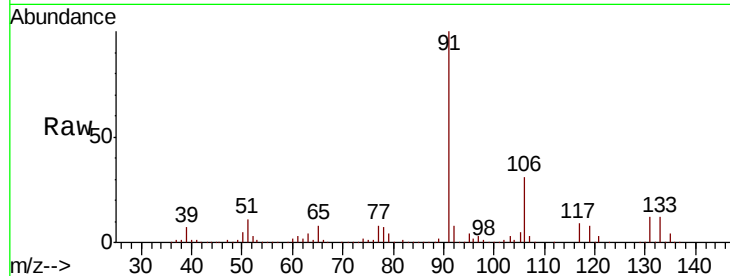




#67
Ethyl Benzene
Concen: 22.409 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

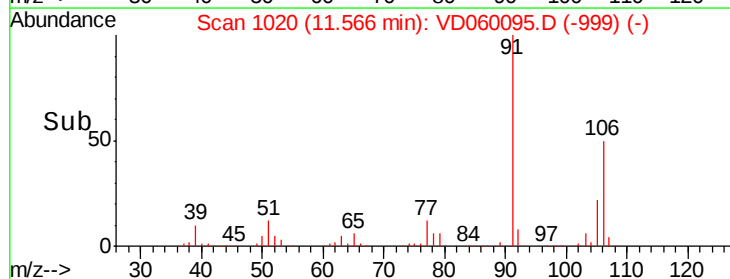
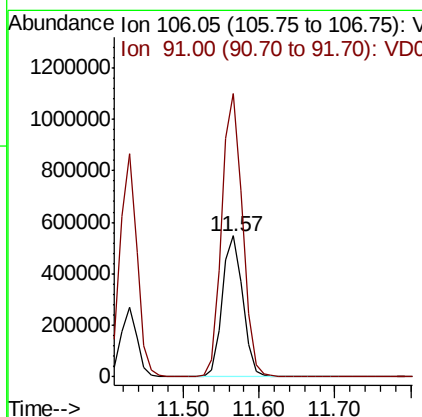
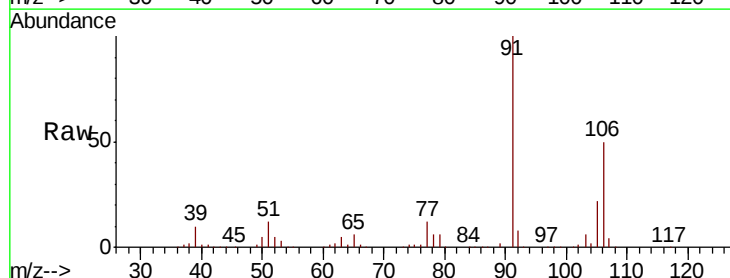
Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

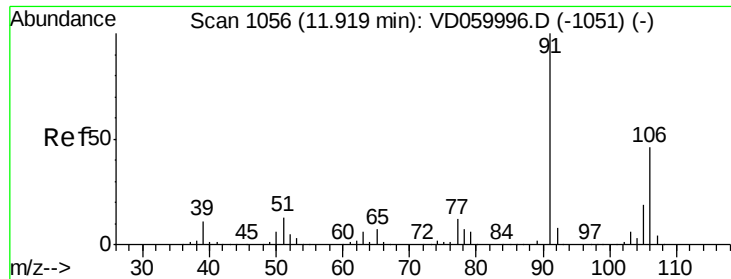
Tot Ion: 91 Resp: 1353745
Ion Ratio Lower Upper
91 100
106 30.9 24.8 37.2



#68
m/p-Xylenes
Concen: 46.260 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion: 106 Resp: 1032098
Ion Ratio Lower Upper
106 100
91 200.8 157.0 235.6

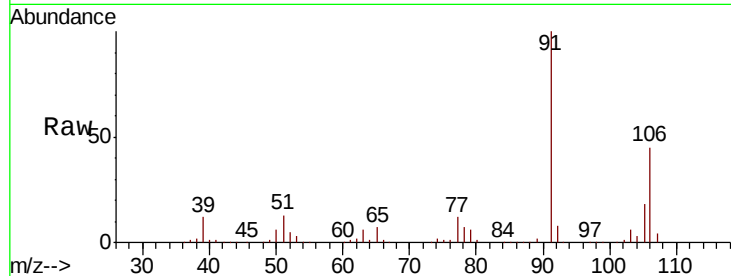




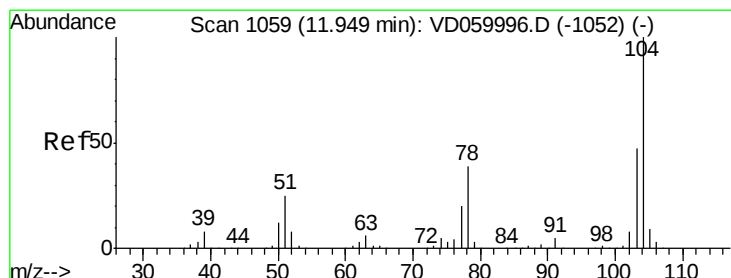
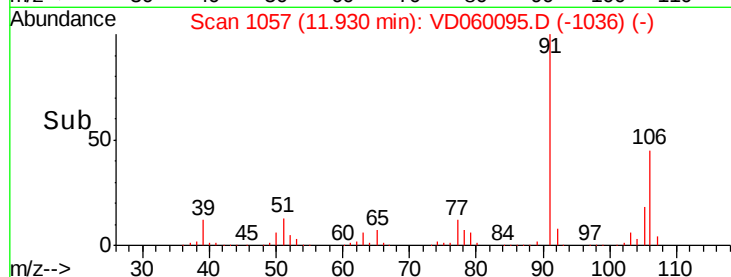
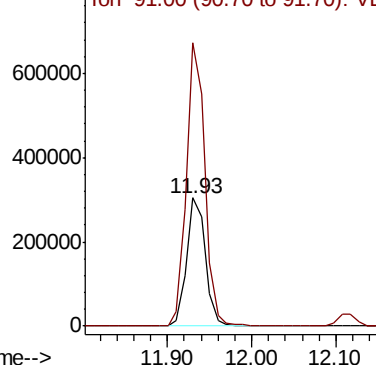
#69
o-Xylene
Concen: 21.440 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion:106 Resp: 473967
Ion Ratio Lower Upper
106 100
91 220.5 107.7 323.1

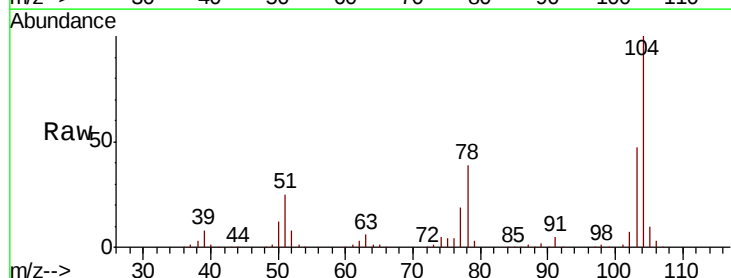


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

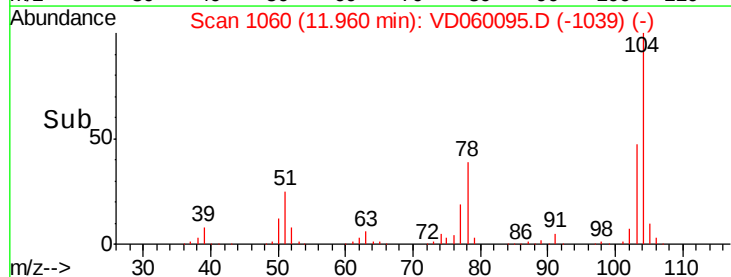
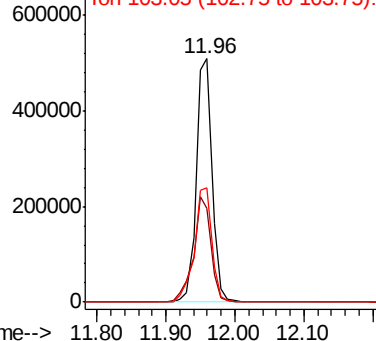


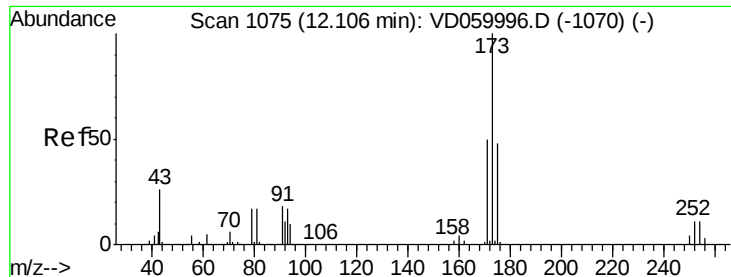
#70
Styrene
Concen: 21.774 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion:104 Resp: 809349
Ion Ratio Lower Upper
104 100
78 38.7 31.0 46.4
103 46.7 37.6 56.4



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 19.313 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBSD01

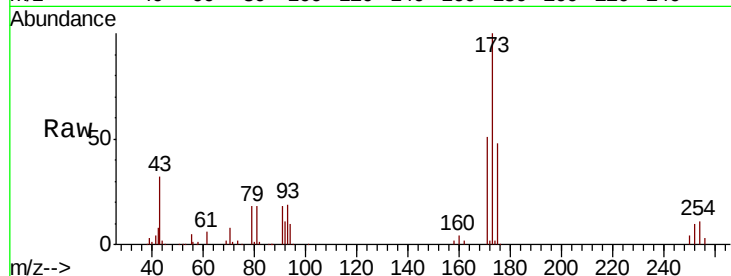
Tot Ion:173 Resp: 210087

Ion Ratio Lower Upper

173 100

175 47.9 24.0 72.0

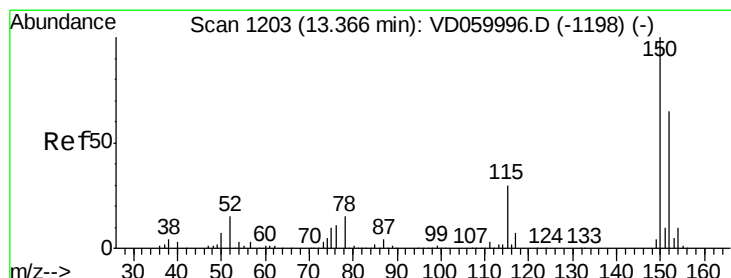
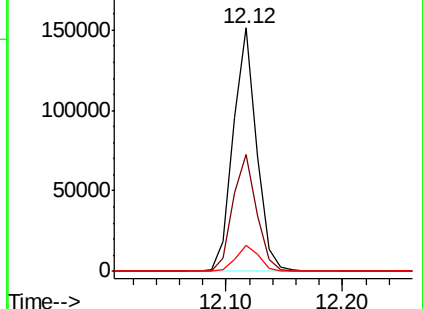
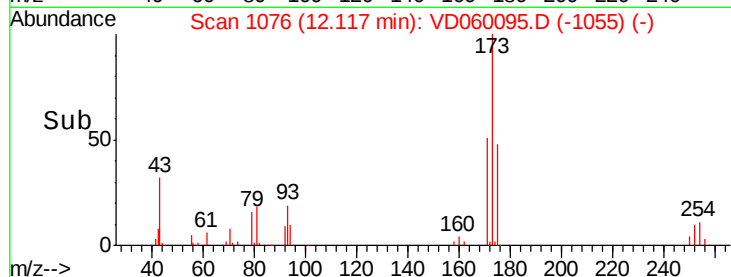
254 10.8 8.6 13.0



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: 13.37 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

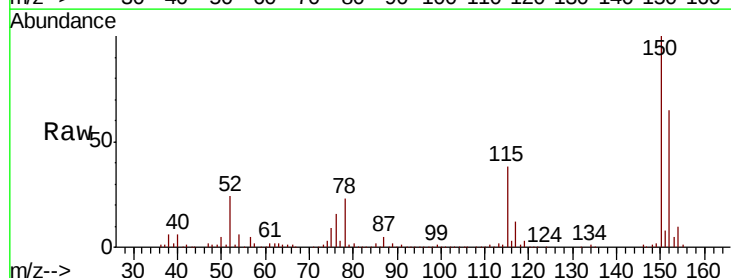
Tgt Ion:152 Resp: 907708

Ion Ratio Lower Upper

152 100

115 58.0 24.6 73.8

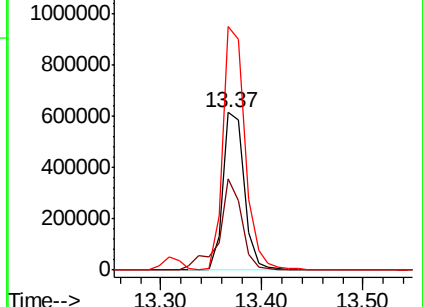
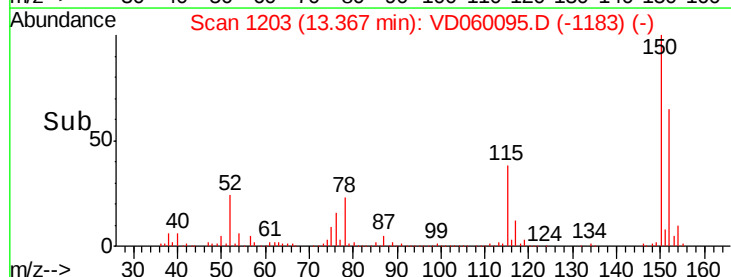
150 154.4 0.0 313.4

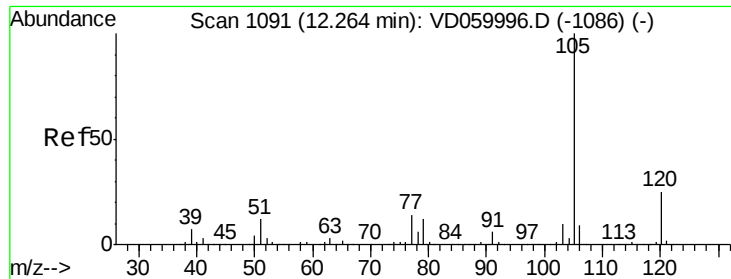


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.485 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

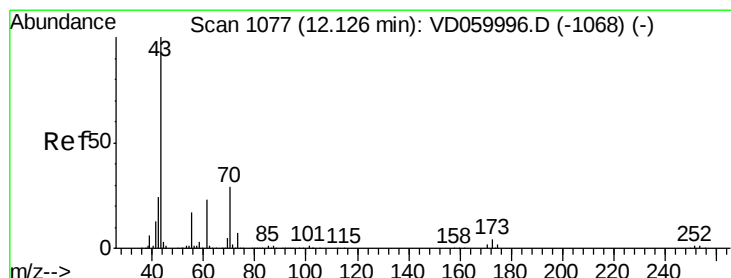
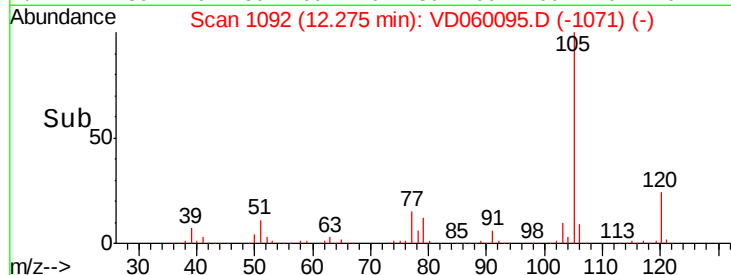
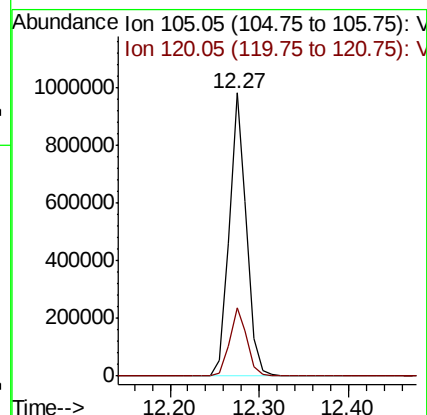
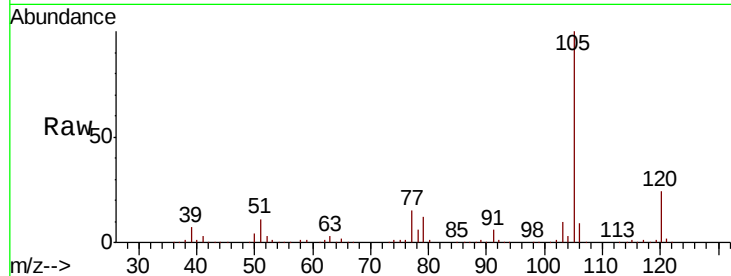
VD0928SBSD01

Tot Ion:105 Resp: 1338546

Ion Ratio Lower Upper

105 100

120 24.0 12.3 36.9



#74

N-ethyl acetate

Concen: 20.576 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Tgt Ion: 43 Resp: 485198

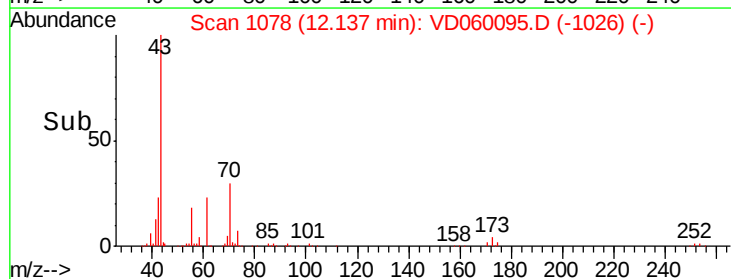
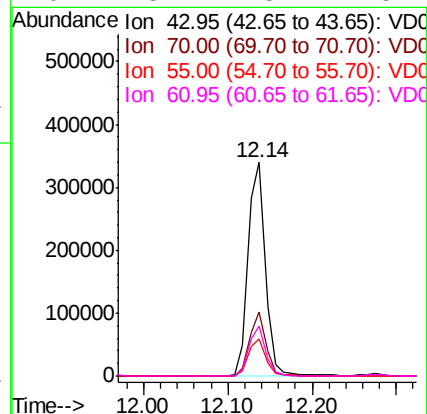
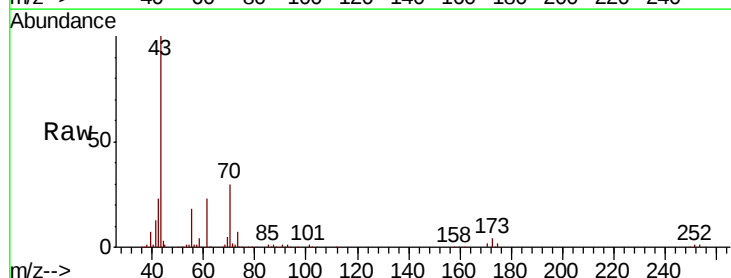
Ion Ratio Lower Upper

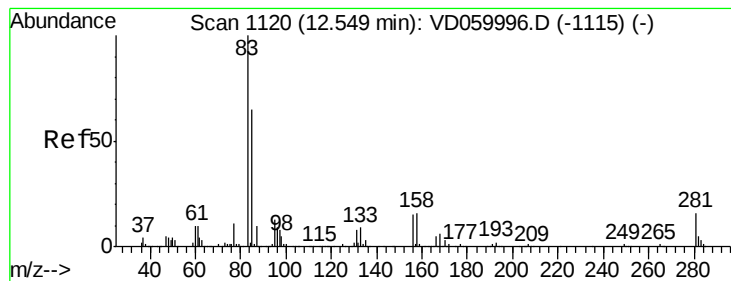
43 100

70 30.1 22.9 34.3

55 17.6 14.0 21.0

61 23.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.000 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

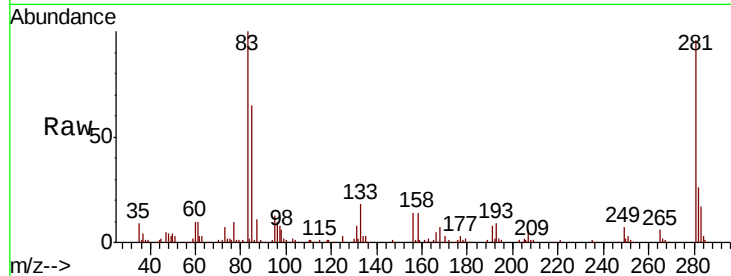
Tot Ion: 83 Resp: 283605

Ion Ratio Lower Upper

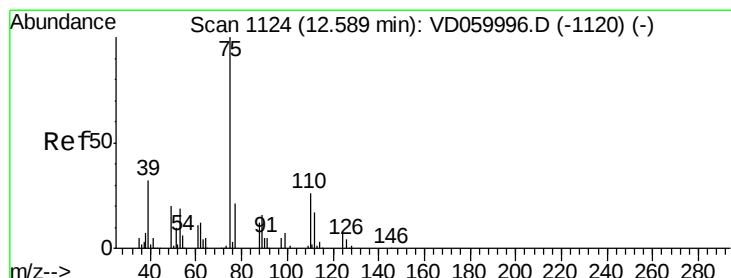
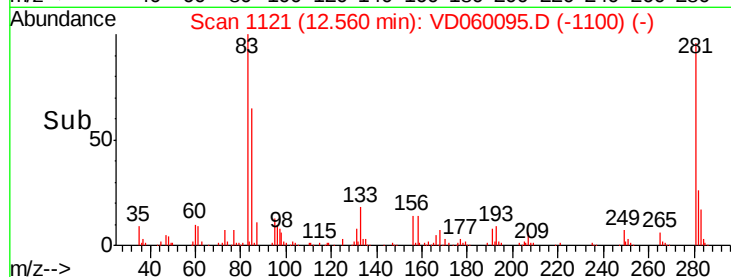
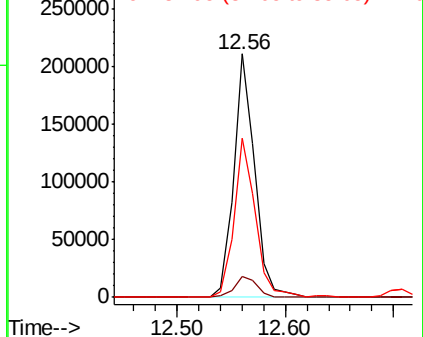
83 100

131 8.4 4.1 12.3

85 65.3 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: 20.928 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060095.D

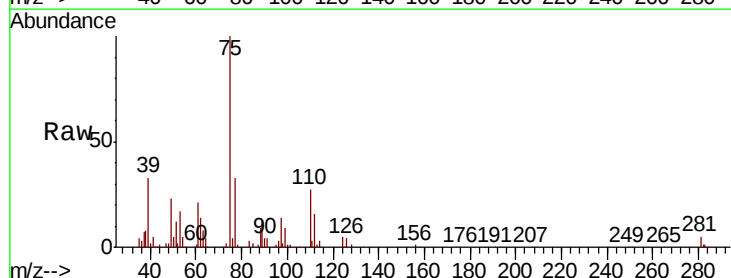
Acq: 28 Sep 2018 14:06

Tgt Ion: 75 Resp: 290132

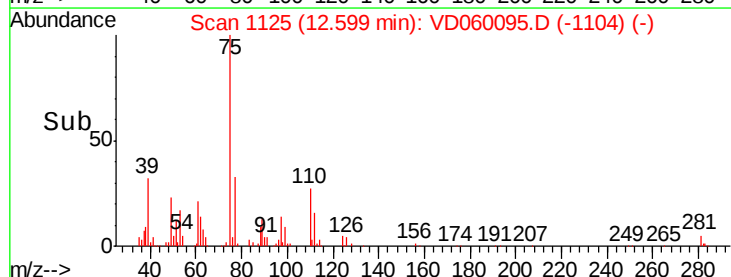
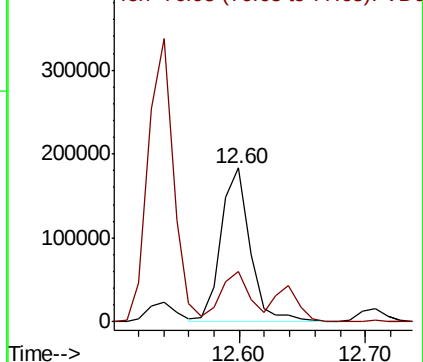
Ion Ratio Lower Upper

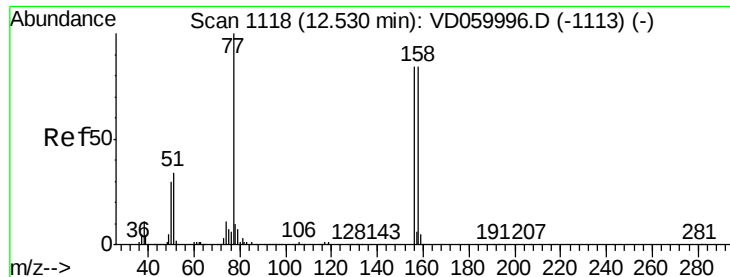
75 100

77 32.8 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: 21.930 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

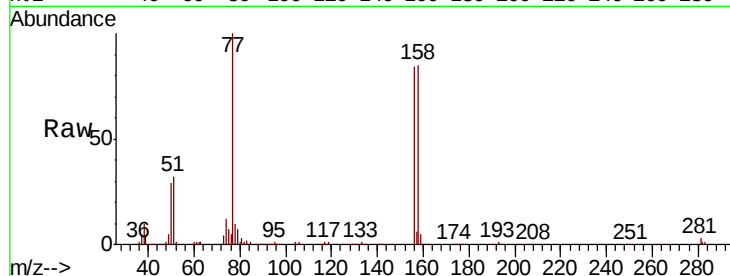
Tot Ion:156 Resp: 376068

Ion Ratio Lower Upper

156 100

77 118.6 59.5 178.4

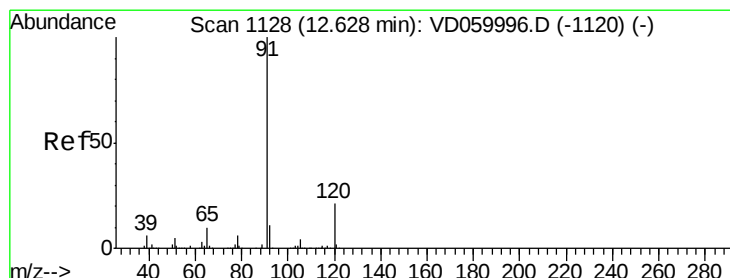
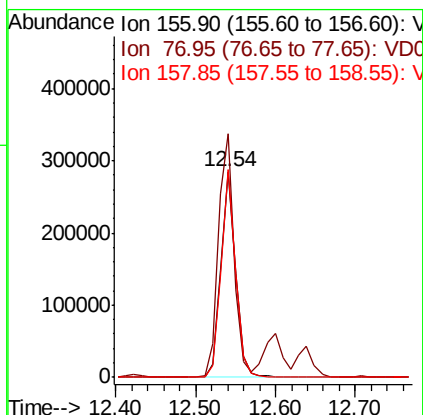
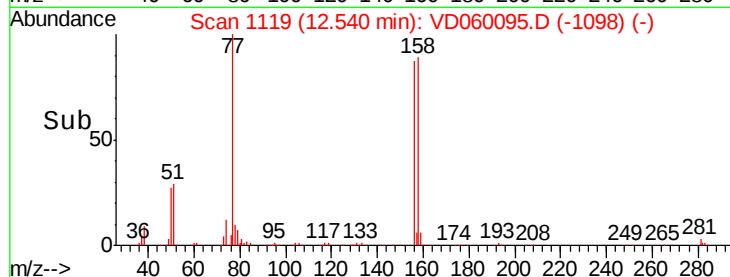
158 101.4 50.0 149.8



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: 22.559 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060095.D

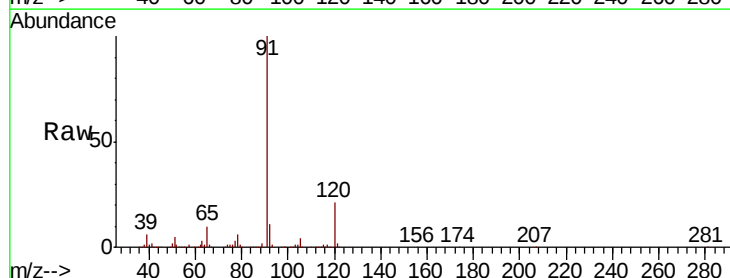
Acq: 28 Sep 2018 14:06

Tgt Ion: 91 Resp: 1688804

Ion Ratio Lower Upper

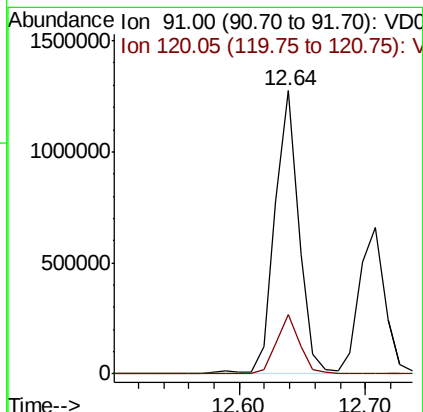
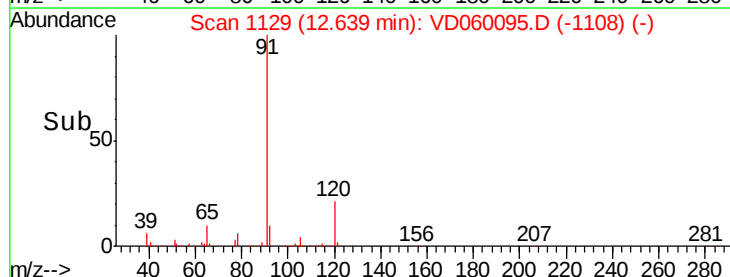
91 100

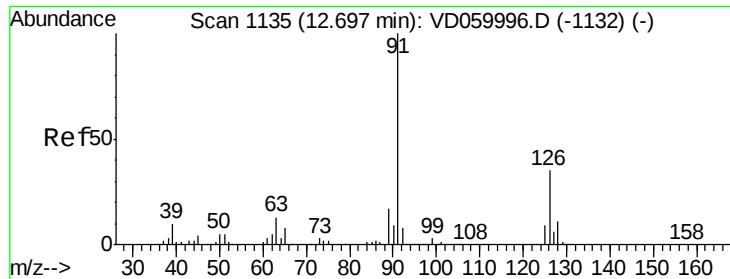
120 21.0 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

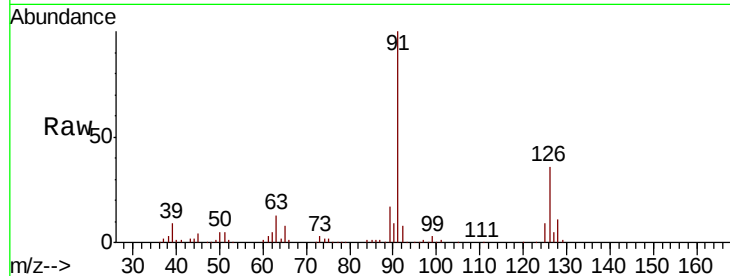




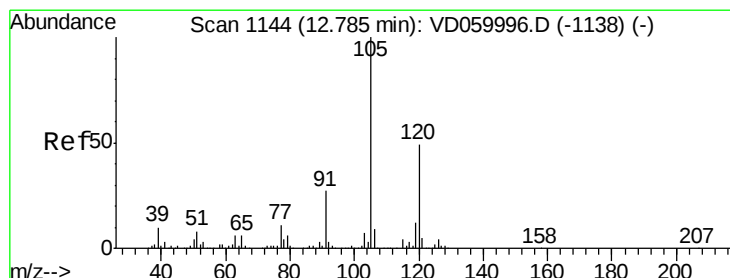
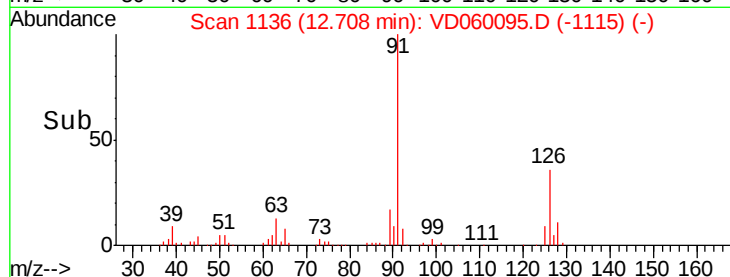
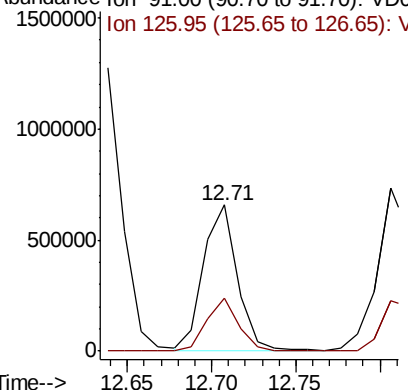
#79
 2-Chlorotoluene
 Concen: 21.634 ug/l
 RT: 12.71 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

Tot Ion: 91 Resp: 914115
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.3 52.0

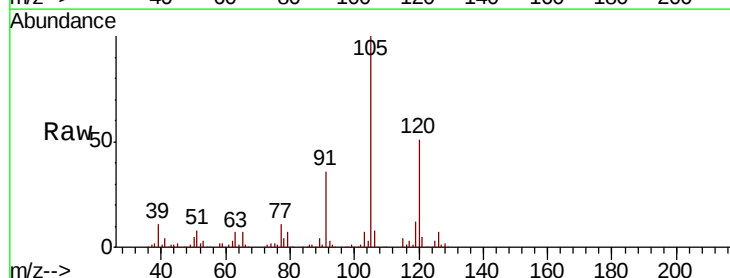


Abundance Ion 91.00 (90.70 to 91.70): VD0
 Ion 125.95 (125.65 to 126.65): V

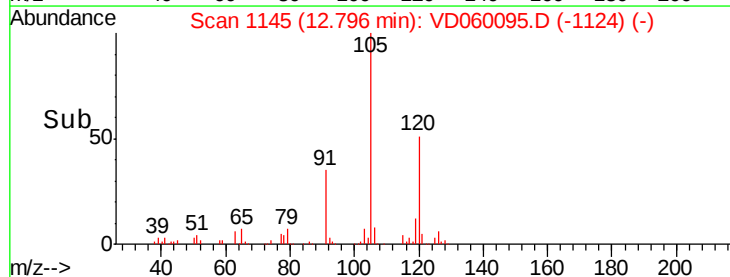
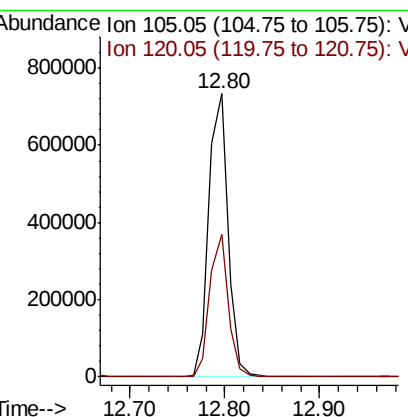


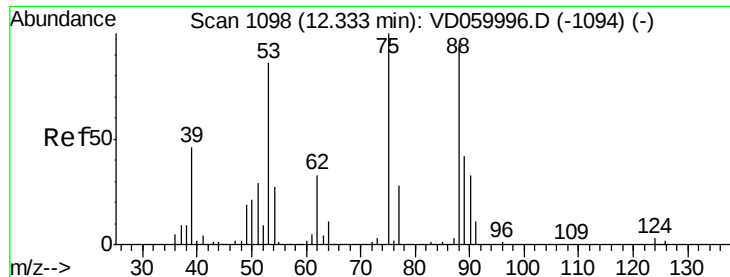
#80
 1,3,5-Trimethylbenzene
 Concen: 22.494 ug/l
 RT: 12.80 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion:105 Resp: 1026375
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.131 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBSD01

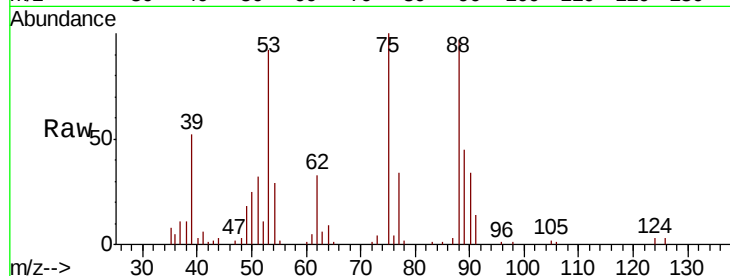
Tot Ion: 75 Resp: 75876

Ion Ratio Lower Upper

75 100

53 92.2 68.4 102.6

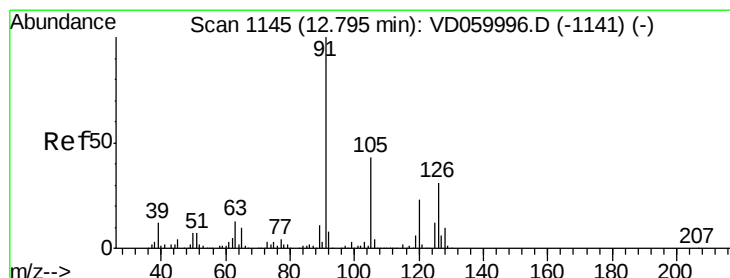
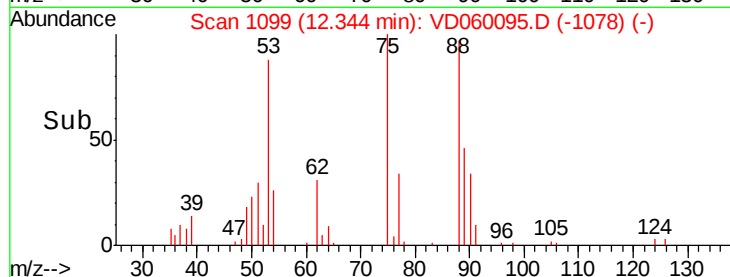
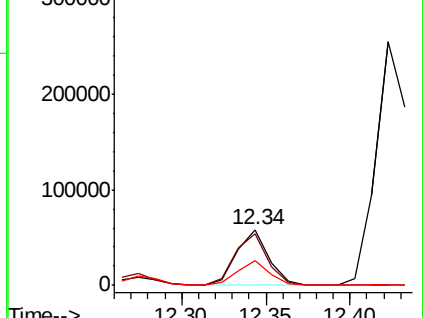
89 45.2 33.8 50.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.882 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VD060095.D

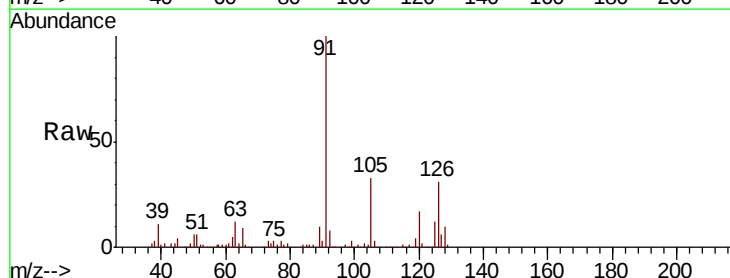
Acq: 28 Sep 2018 14:06

Tgt Ion: 91 Resp: 1062973

Ion Ratio Lower Upper

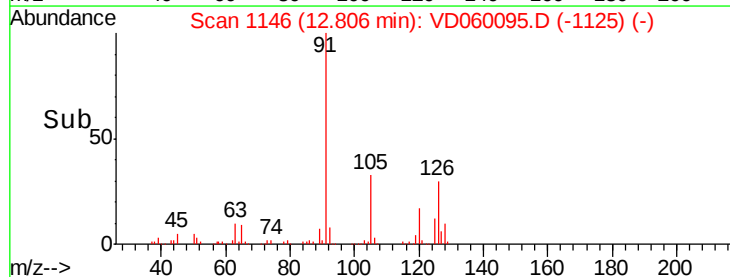
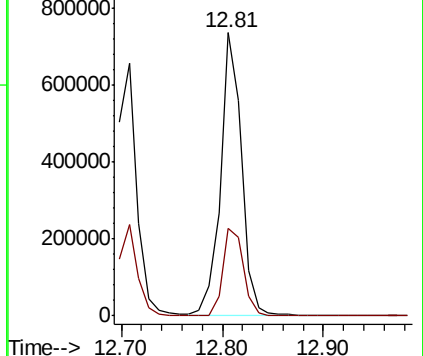
91 100

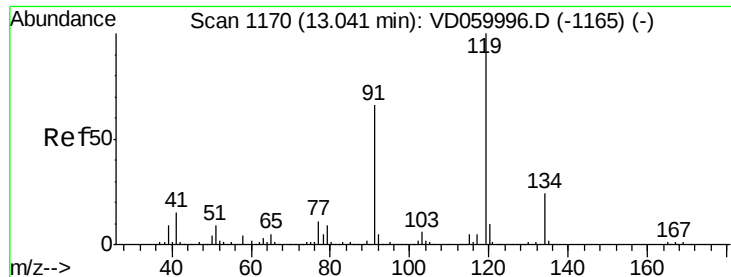
126 30.8 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

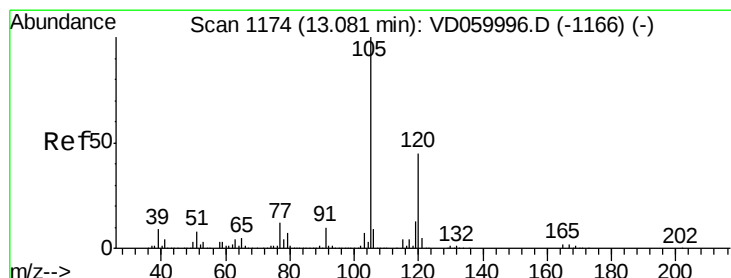
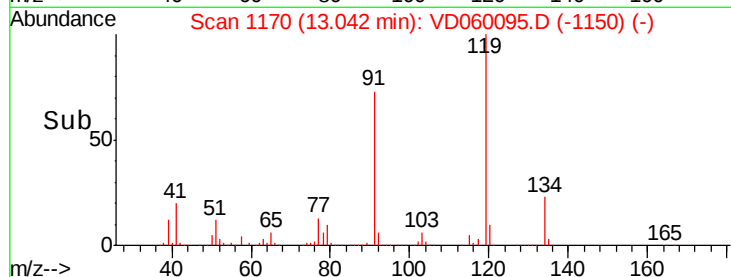
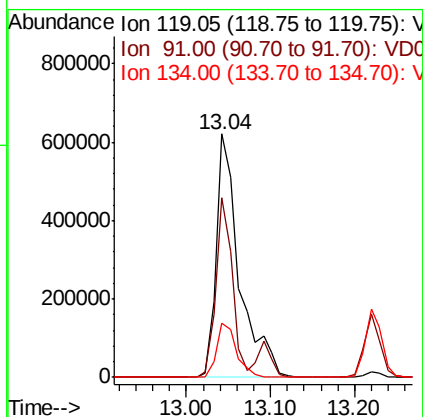
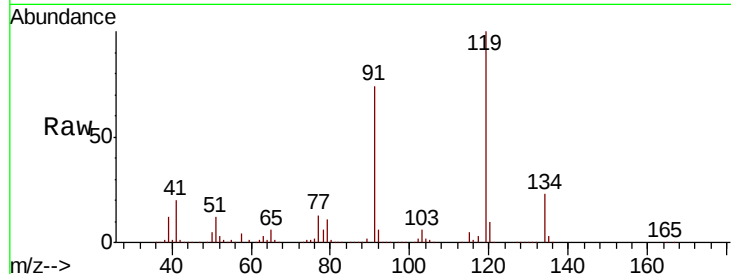




#83
 tert-Butylbenzene
 Concen: 22.501 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

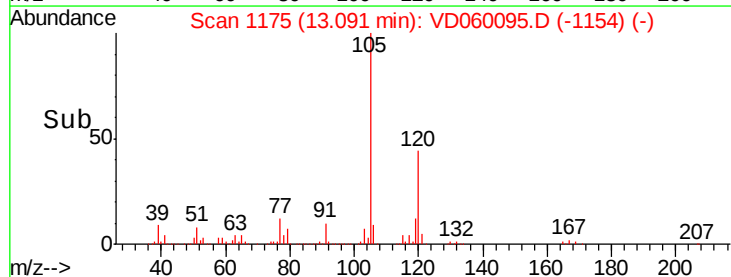
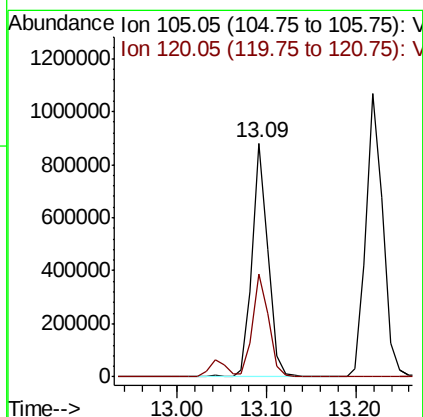
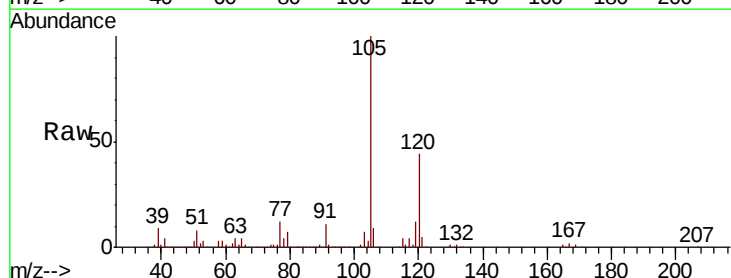
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

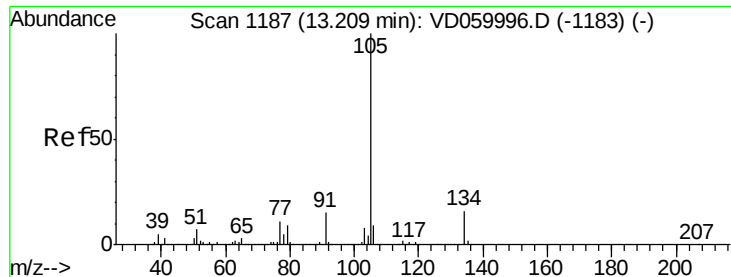
Tot Ion:119 Resp: 1189422
 Ion Ratio Lower Upper
 119 100
 91 73.9 32.9 98.6
 134 22.5 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.089 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion:105 Resp: 1075575
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.4 67.0





#85

sec-Butylbenzene

Concen: 22.185 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

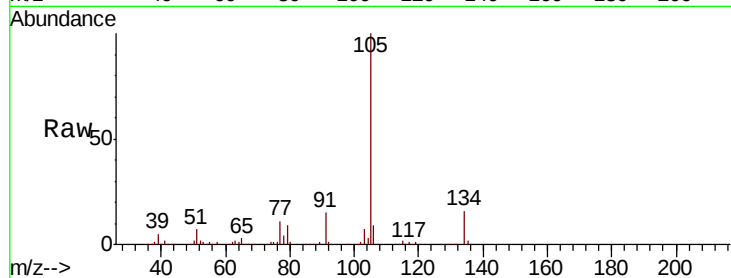
VD0928SBS01

Tot Ion:105 Resp: 1392089

Ion Ratio Lower Upper

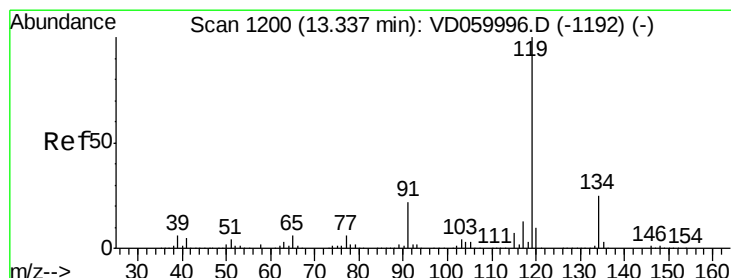
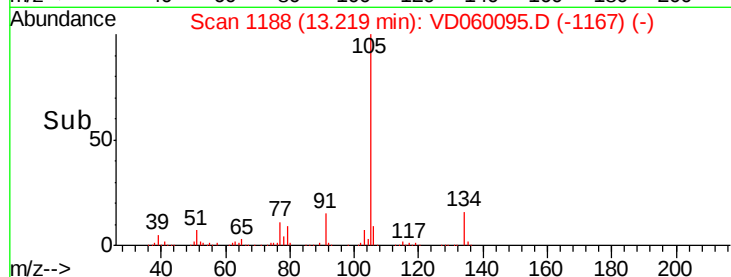
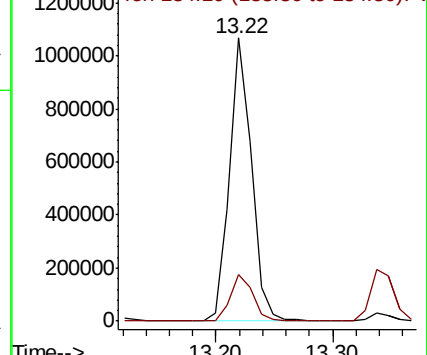
105 100

134 16.5 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.434 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

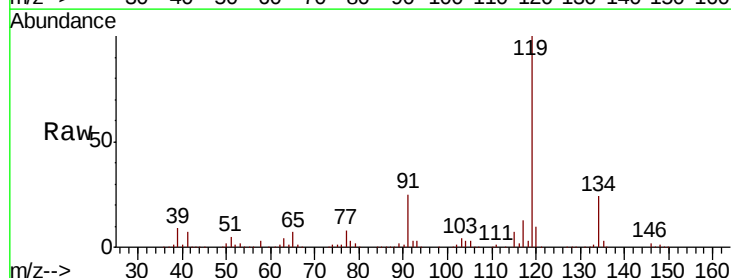
Tgt Ion:119 Resp: 1138539

Ion Ratio Lower Upper

119 100

134 23.6 12.8 38.3

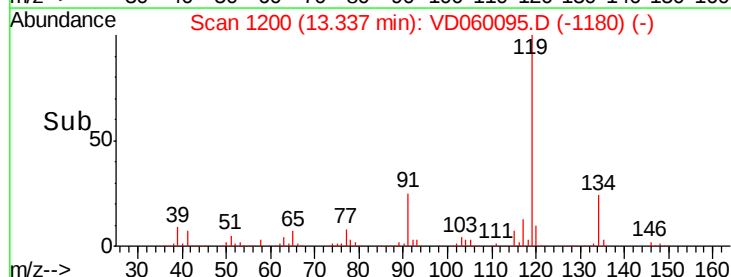
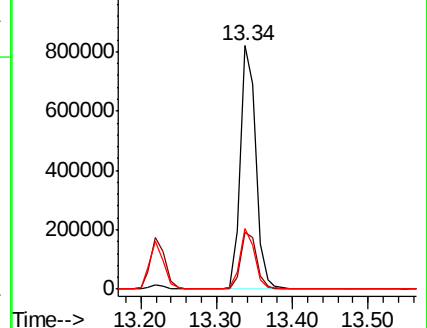
91 24.9 11.1 33.3

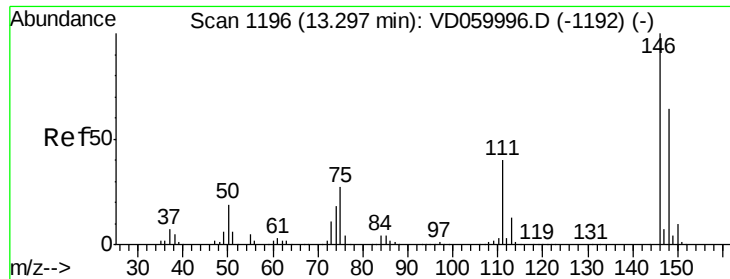


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

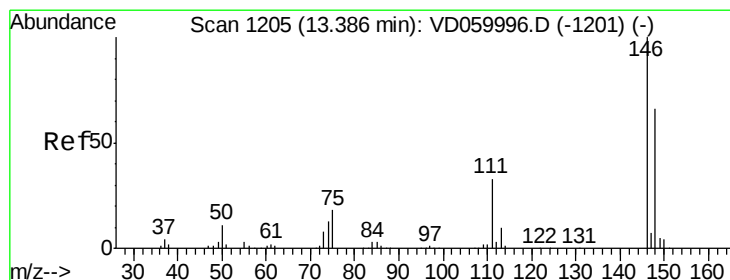
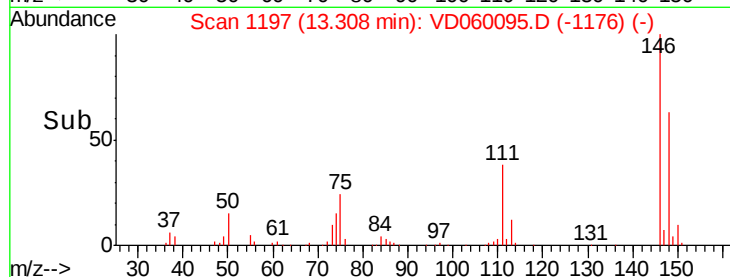
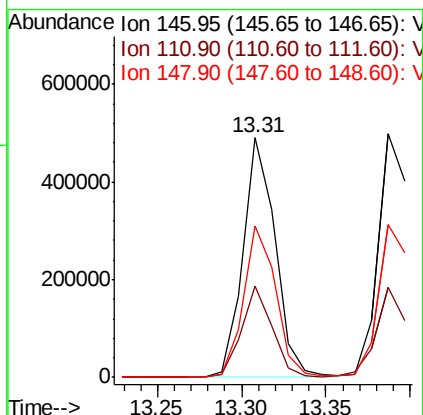
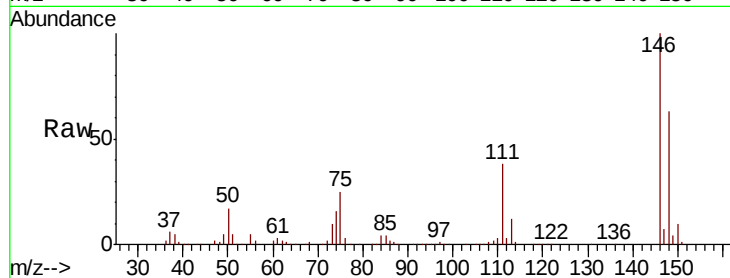




#87
 1,3-Dichlorobenzene
 Concen: 21.799 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

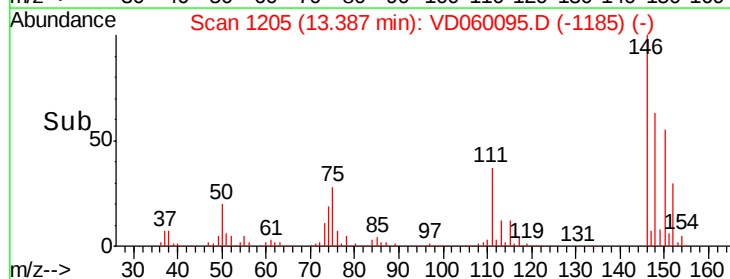
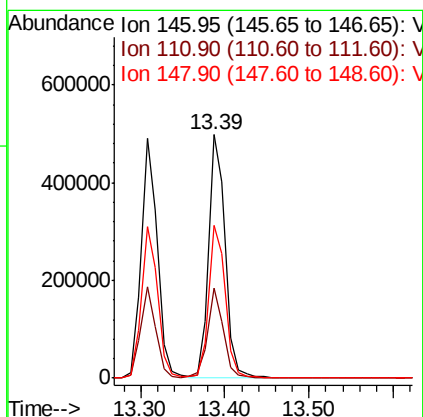
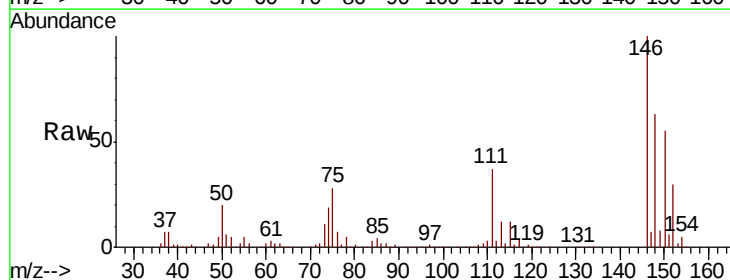
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

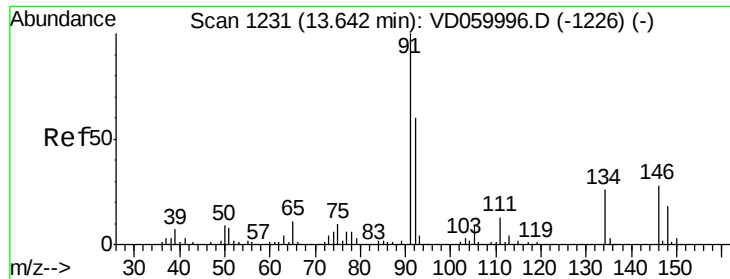
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.2	60.5
148	63.1	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 22.238 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	16.7	50.0
148	62.7	32.9	98.6

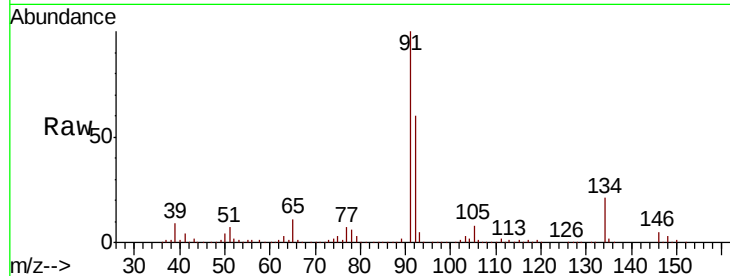




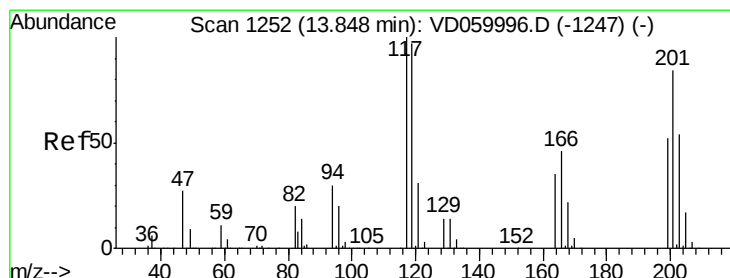
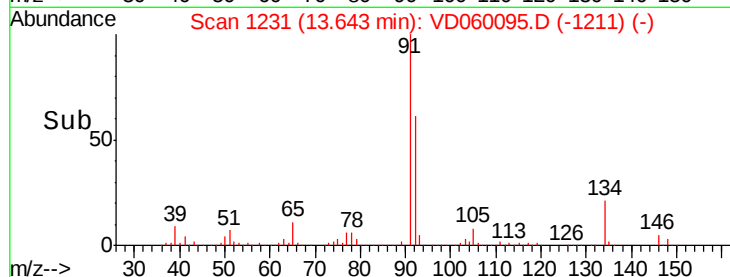
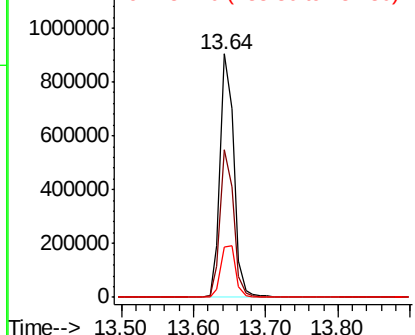
#89
n-Butylbenzene
Concen: 21.601 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

Tot Ion: 91 Resp: 1175880
Ion Ratio Lower Upper
91 100
92 60.5 29.8 89.3
134 20.6 13.2 39.6

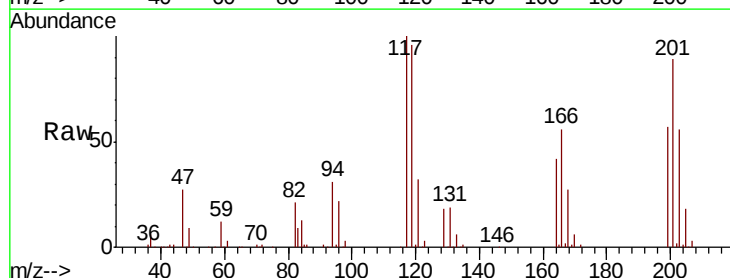


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

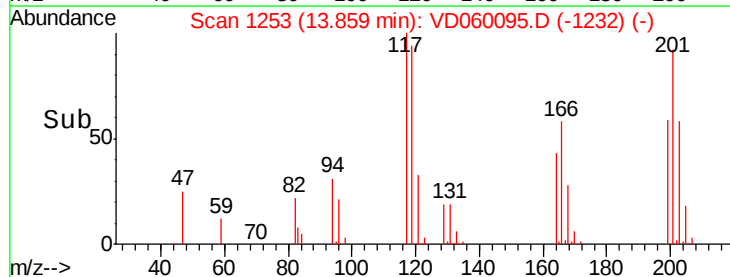
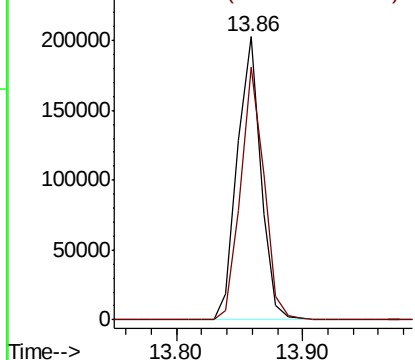


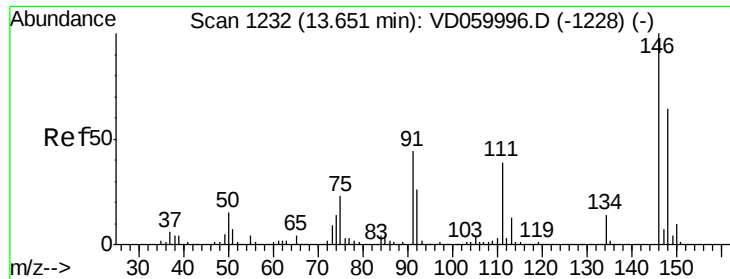
#90
Hexachloroethane
Concen: 20.707 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion: 117 Resp: 260286
Ion Ratio Lower Upper
117 100
201 89.3 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: 21.062 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

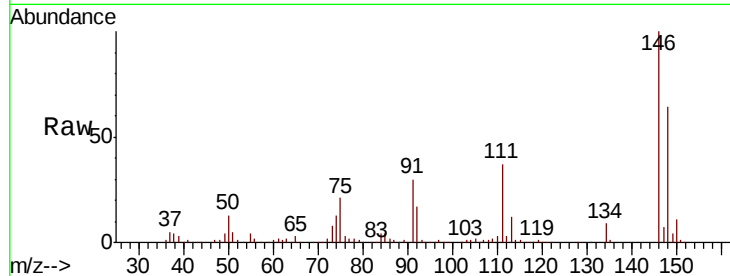
Tot Ion:146 Resp: 578764

Ion Ratio Lower Upper

146 100

111 36.5 19.6 58.7

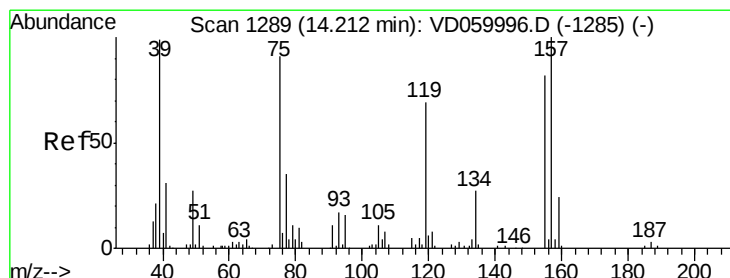
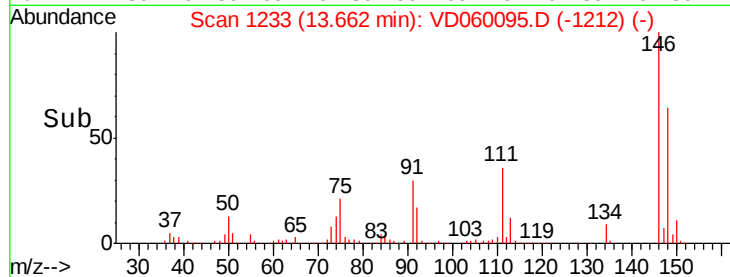
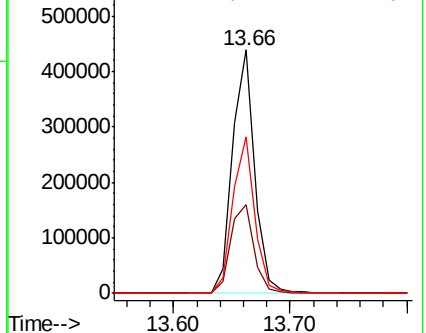
148 64.3 31.9 95.7



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: 18.013 ug/l

RT: 14.22 min Scan# 1290

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

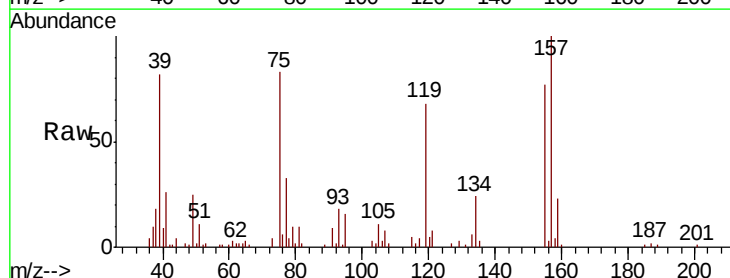
Tgt Ion: 75 Resp: 37085

Ion Ratio Lower Upper

75 100

155 92.3 44.7 134.1

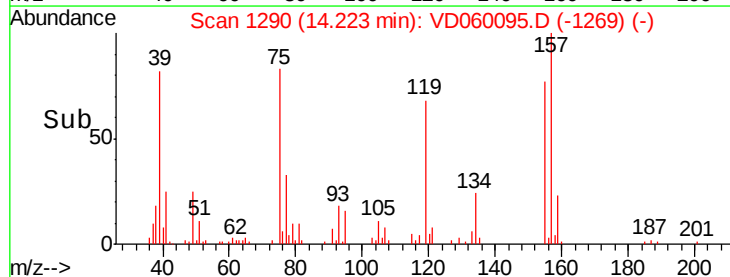
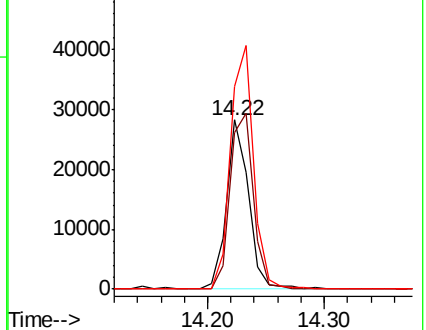
157 120.0 54.7 164.1

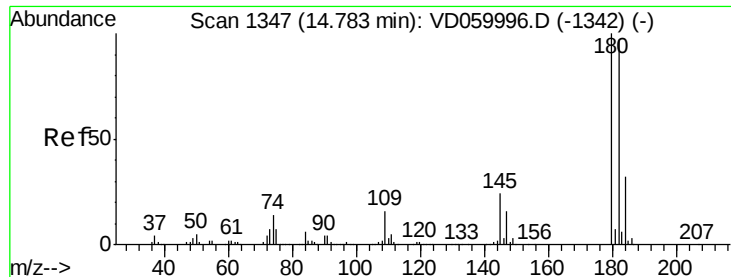


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

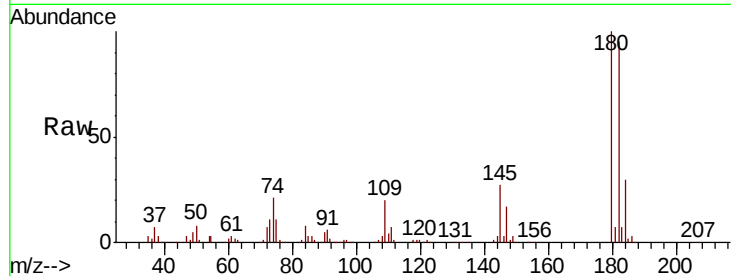




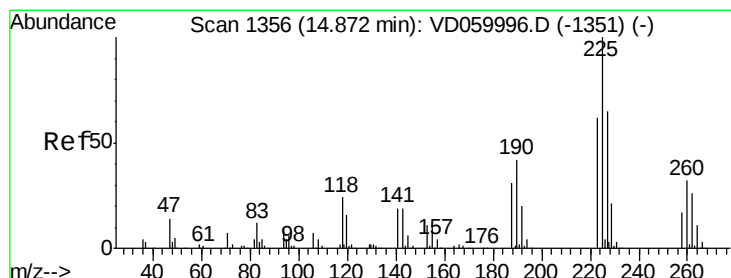
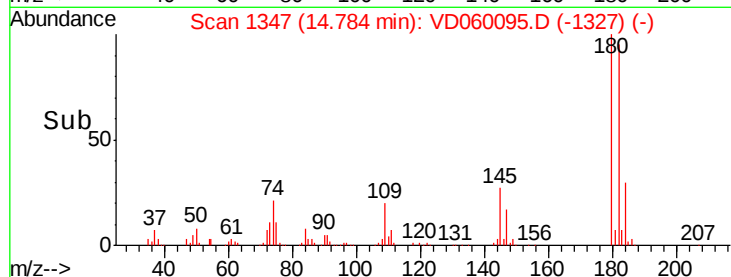
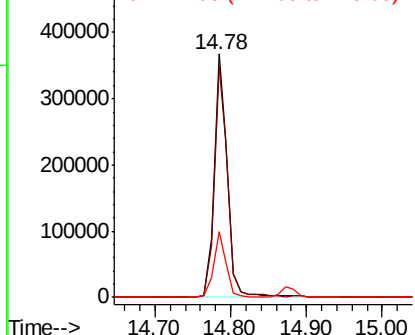
#93
 1,2,4-Trichlorobenzene
 Concen: 21.448 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion:180 Resp: 455792
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.5 145.6
 145 26.8 11.9 35.7

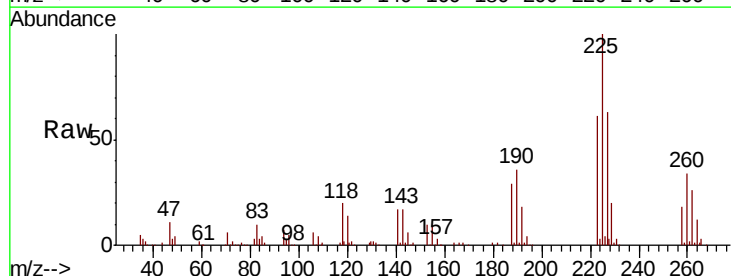


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

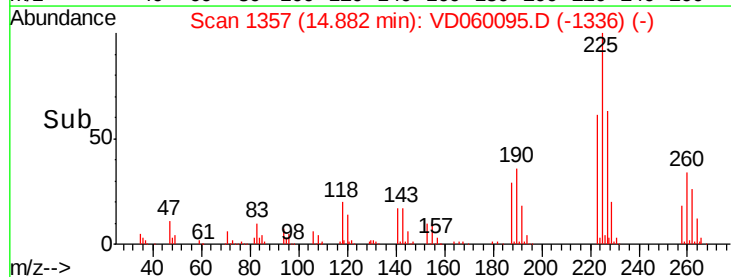
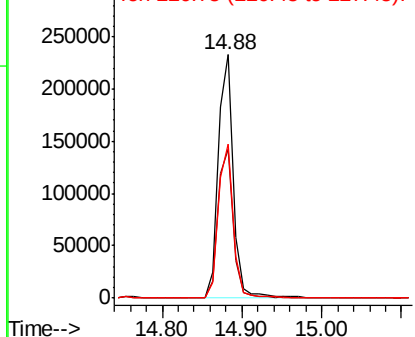


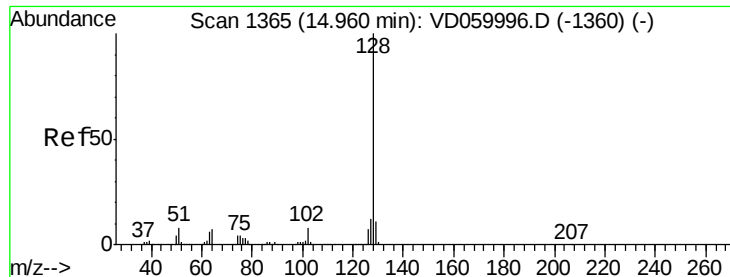
#94
 Hexachlorobutadiene
 Concen: 22.211 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion:225 Resp: 312225
 Ion Ratio Lower Upper
 225 100
 223 61.1 31.2 93.6
 227 63.2 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: 20.776 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBSD01

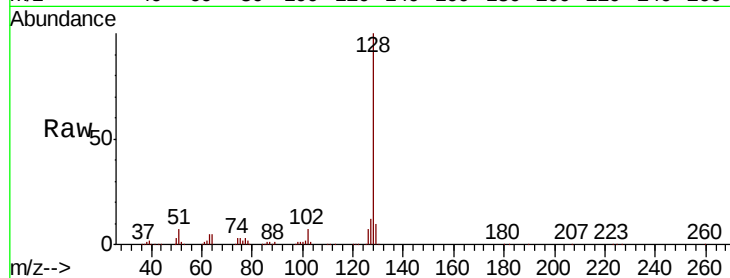
Tot Ion:128 Resp: 681853

Ion Ratio Lower Upper

128 100

127 11.9 9.7 14.5

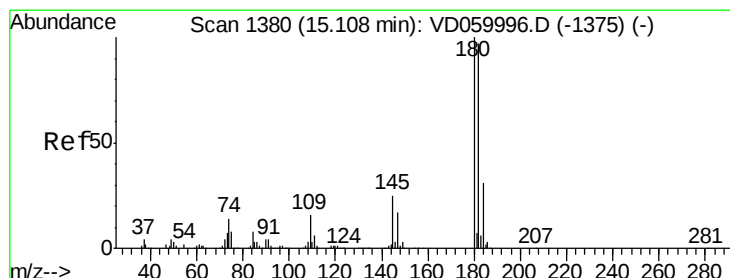
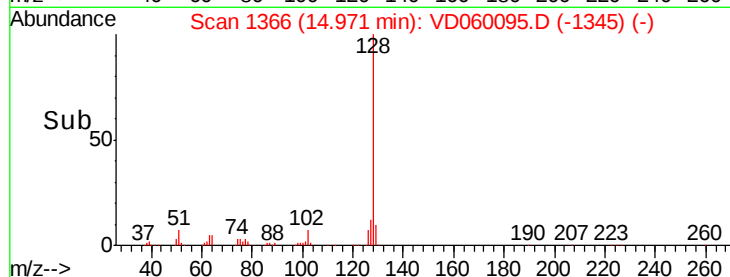
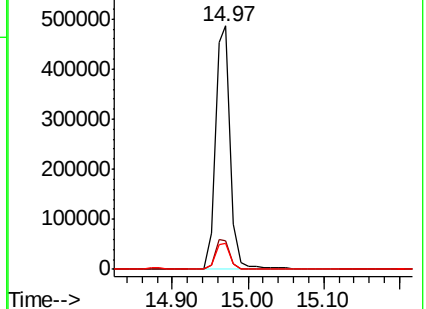
129 10.5 8.9 13.3



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: 20.604 ug/l

RT: 15.11 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

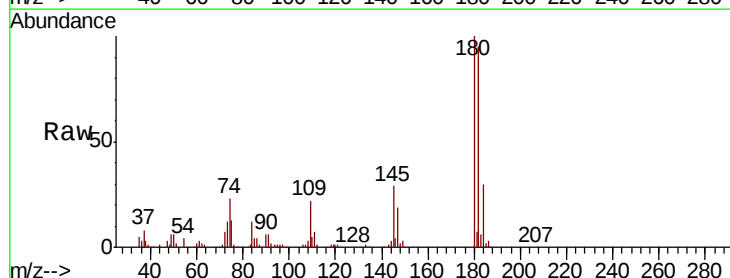
Tgt Ion:180 Resp: 385859

Ion Ratio Lower Upper

180 100

182 94.9 48.6 145.9

145 28.8 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

