

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101018\
 Data File : VD060170.D
 Acq On : 10 Oct 2018 12:46
 Operator : VA/AP
 Sample : VD1010SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Quant Time: Oct 11 01:09:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1542178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2140987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1740090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	941928	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	640316	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
35) Dibromofluoromethane	6.30	113	844133	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
50) Toluene-d8	9.44	98	2244546	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	12.42	95	890969	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	261637	18.035	ug/l	99
3) Chloromethane	1.74	50	265107	20.266	ug/l	96
4) Vinyl Chloride	1.84	62	206834	19.321	ug/l	99
5) Bromomethane	2.12	94	18539	13.792	ug/l	93
6) Chloroethane	2.22	64	46211	15.819	ug/l	96
7) Trichlorofluoromethane	2.48	101	252241	19.678	ug/l	98
8) Diethyl Ether	2.80	74	54459	20.661	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	166383	20.836	ug/l	93
10) Methyl Iodide	3.21	142	150031	17.717	ug/l	96
11) Tert butyl alcohol	3.96	59	91535	109.180	ug/l	96
12) 1,1-Dichloroethene	3.05	96	132241	21.021	ug/l	90
13) Acrolein	2.96	56	41284	79.881	ug/l	87
14) Allyl chloride	3.51	41	274600	21.017	ug/l	98
15) Acrylonitrile	4.06	53	371422	107.032	ug/l	100
16) Acetone	3.14	43	254231	119.854	ug/l	97
17) Carbon Disulfide	3.28	76	403024	19.051	ug/l	99
18) Methyl Acetate	3.53	43	95167	20.874	ug/l	97
19) Methyl tert-butyl Ether	4.10	73	598653	21.644	ug/l	97
20) Methylene Chloride	3.69	84	582194	33.445	ug/l	97
21) trans-1,2-Dichloroethene	4.07	96	326622	20.103	ug/l	95
22) Diisopropyl ether	4.84	45	1263672	21.656	ug/l	100
23) Vinyl Acetate	4.78	43	3700880	112.835	ug/l	99
24) 1,1-Dichloroethane	4.73	63	562703	21.269	ug/l	99
25) 2-Butanone	5.61	43	645787	121.864	ug/l	97
26) 2,2-Dichloropropane	5.57	77	452647	22.569	ug/l	96
27) cis-1,2-Dichloroethene	5.57	96	360982	20.970	ug/l	93
28) Bromochloromethane	5.90	49	258836	20.133	ug/l	95
29) Tetrahydrofuran	5.94	42	323682	105.158	ug/l	98
30) Chloroform	6.08	83	581247	21.719	ug/l	97
31) Cyclohexane	6.34	56	509520	20.118	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	455792	20.788	ug/l	100
36) 1,1-Dichloropropene	6.50	75	430548	21.044	ug/l	98
37) Ethyl Acetate	5.68	43	302824	22.299	ug/l	100
38) Carbon Tetrachloride	6.48	117	387220	20.853	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	482887	20.773	ug/l	98
40) Benzene	6.78	78	1144990	21.392	ug/l	97
41) Methacrylonitrile	5.93	41	332740	43.350	ug/l #	89
42) 1,2-Dichloroethane	6.88	62	329546	21.475	ug/l	99
43) Isopropyl Acetate	8.33	43	382001	21.382	ug/l #	99
44) Trichloroethene	7.72	130	337902	20.394	ug/l	99
45) 1,2-Dichloropropane	8.09	63	293205	20.921	ug/l	99
46) Dibromomethane	8.20	93	188232	20.745	ug/l	98
47) Bromodichloromethane	8.48	83	409344	21.173	ug/l	99
48) Methyl methacrylate	8.23	41	214266	21.055	ug/l	99
49) 1,4-Dioxane	8.21	88	42795	427.393	ug/l #	83
51) 4-Methyl-2-Pentanone	9.33	43	1206920	107.105	ug/l	97
52) Toluene	9.53	92	720859	20.912	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	371625	21.244	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	460800	21.332	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	245659	21.799	ug/l	98
56) Ethyl methacrylate	10.01	69	267037	21.467	ug/l	94
57) 1,3-Dichloropropane	10.37	76	364136	21.187	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.91	63	755403	109.355	ug/l	98
59) 2-Hexanone	10.48	43	967697	119.425	ug/l	99
60) Dibromochloromethane	10.62	129	289103	20.909	ug/l	99
61) 1,2-Dibromoethane	10.75	107	249607	20.846	ug/l	97
64) Tetrachloroethene	10.24	164	317923	20.860	ug/l	97
65) Chlorobenzene	11.30	112	787525	20.920	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	281373	22.405	ug/l	98
67) Ethyl Benzene	11.42	91	1345911	22.067	ug/l	98
68) m/p-Xylenes	11.56	106	975999	42.829	ug/l	99
69) o-Xylene	11.92	106	460573	20.433	ug/l	89
70) Styrene	11.95	104	778660	20.657	ug/l	99
71) Bromoform	12.11	173	208283	20.482	ug/l	99
73) Isopropylbenzene	12.27	105	1285176	20.682	ug/l	98
74) N-amyl acetate	12.13	43	487536	21.419	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	285585	21.051	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	279769	20.624	ug/l	99
77) Bromobenzene	12.53	156	377063	20.881	ug/l	92
78) n-propylbenzene	12.63	91	1652890	21.422	ug/l	99
79) 2-Chlorotoluene	12.70	91	900070	21.018	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1058906	22.017	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	78865	20.691	ug/l	99
82) 4-Chlorotoluene	12.80	91	1075804	22.210	ug/l	92
83) tert-Butylbenzene	13.05	119	1166002	21.127	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	1095475	21.612	ug/l	97
85) sec-Butylbenzene	13.21	105	1383378	21.199	ug/l	98
86) p-Isopropyltoluene	13.34	119	1137772	21.258	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	655246	20.827	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	674547	21.346	ug/l	96
89) n-Butylbenzene	13.65	91	1202192	23.019	ug/l	98
90) Hexachloroethane	13.85	117	261771	21.133	ug/l	82
91) 1,2-Dichlorobenzene	13.66	146	603356	22.808	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.23	75	38938	21.496	ug/l	90

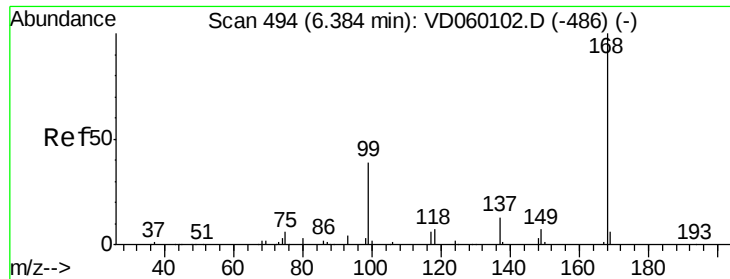
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101018\
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	484004	21.556	ug/l	97
94) Hexachlorobutadiene	14.88	225	317822	21.295	ug/l	99
95) Naphthalene	14.96	128	691282	20.770	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	402107	20.587	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

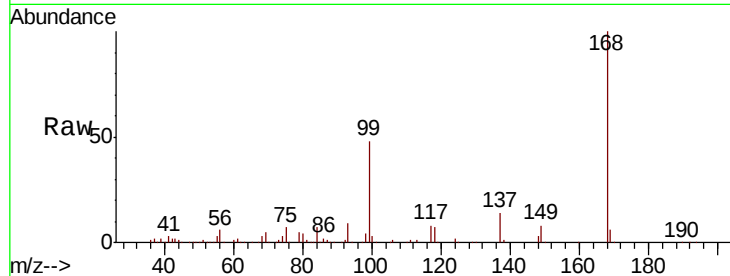
VD1010SBSD01

Tot Ion:168 Resp: 1542178

Ion Ratio Lower Upper

168 100

99 48.1 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

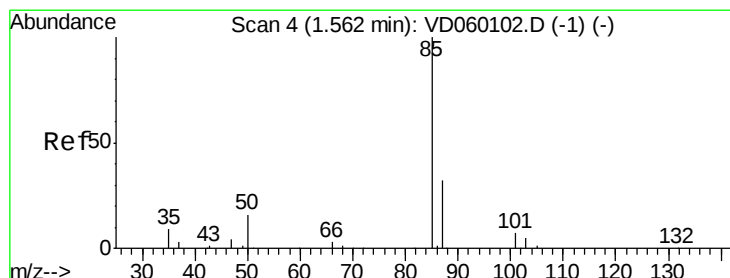
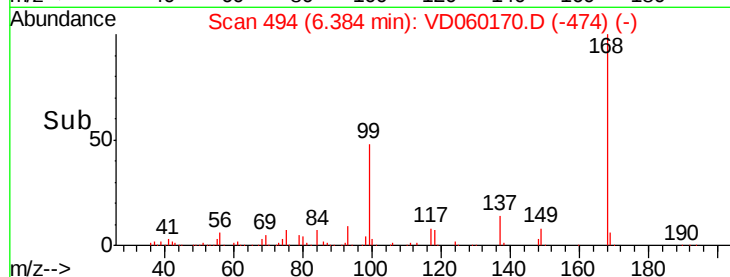
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 18.035 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060170.D

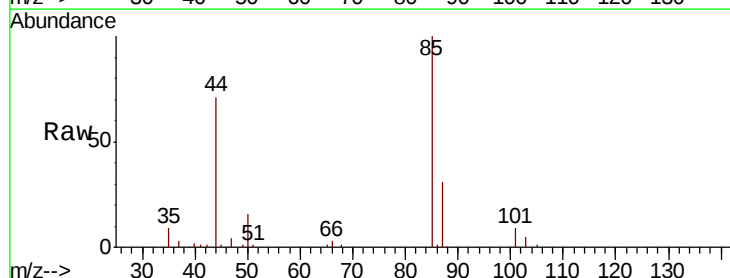
Acq: 10 Oct 2018 12:46

Tgt Ion: 85 Resp: 261637

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

150000

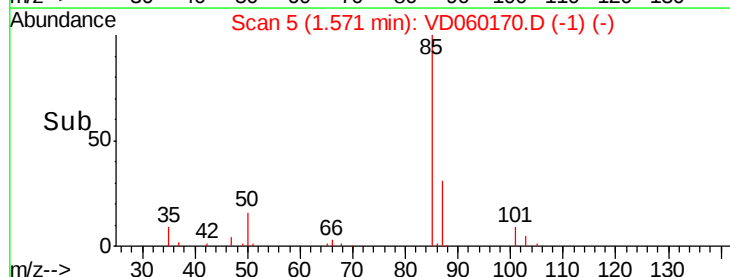
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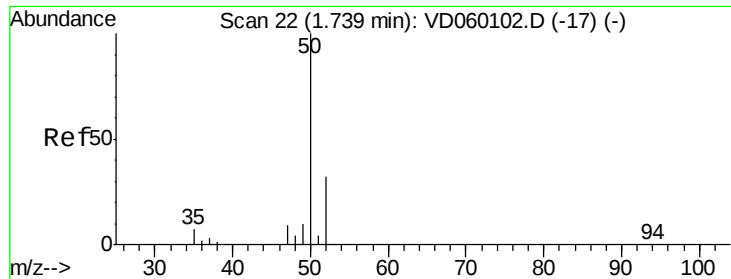
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 20.266 ug/l

RT: 1.74 min Scan# 22

Delta R.T. -0.00 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

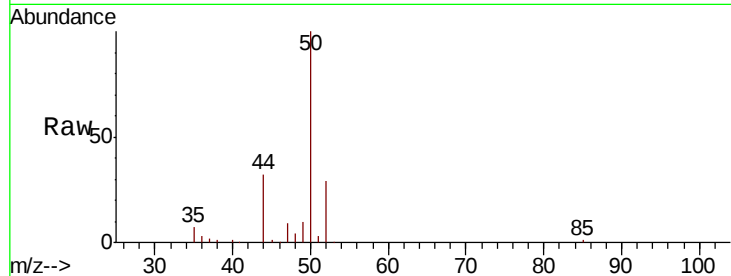
VD1010SBS01

Tot Ion: 50 Resp: 265107

Ion Ratio Lower Upper

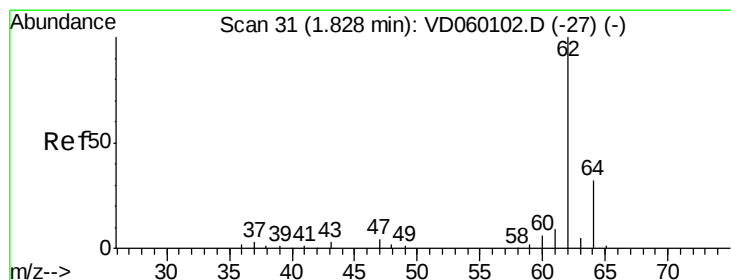
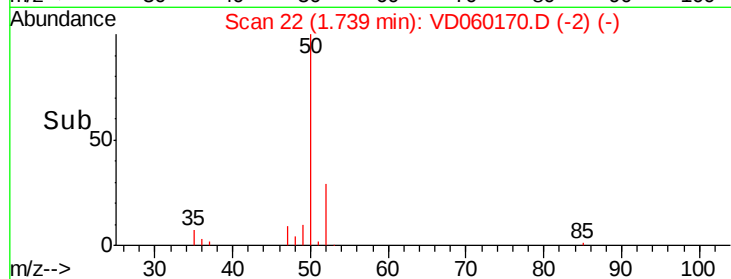
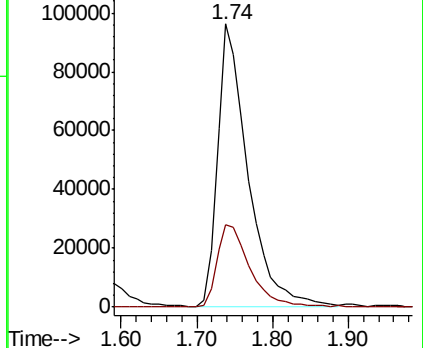
50 100

52 29.3 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.321 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060170.D

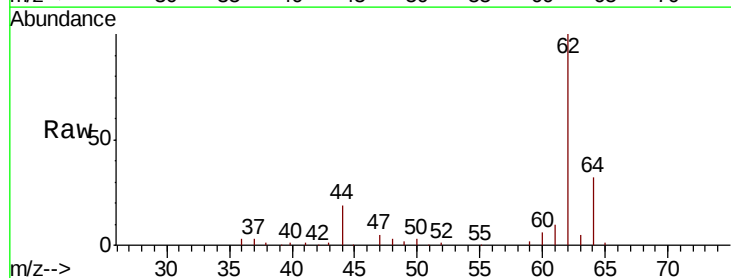
Acq: 10 Oct 2018 12:46

Tgt Ion: 62 Resp: 206834

Ion Ratio Lower Upper

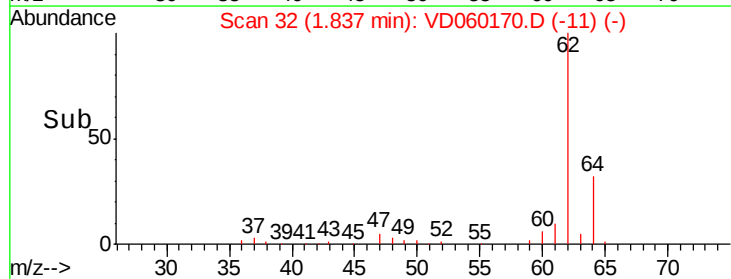
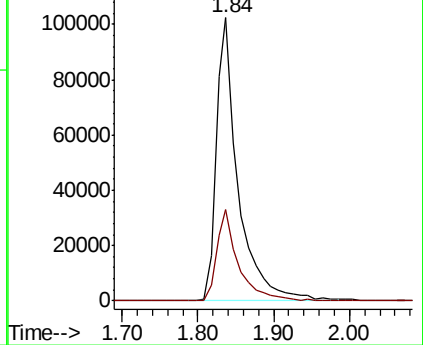
62 100

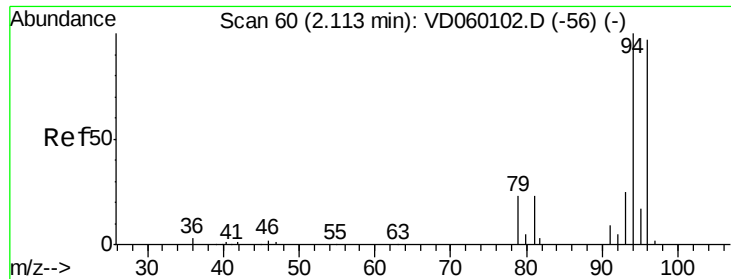
64 32.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 13.792 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

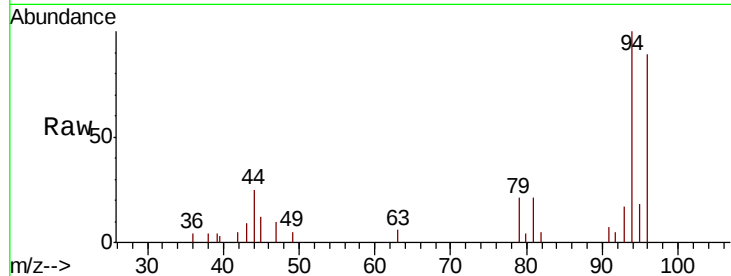
VD1010SBSD01

Tot Ion: 94 Resp: 18539

Ion Ratio Lower Upper

94 100

96 89.5 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.12

12000

10000

8000

6000

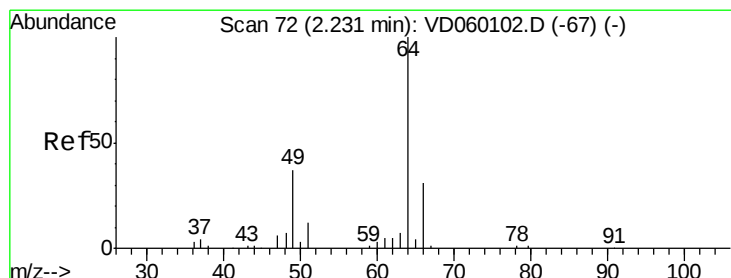
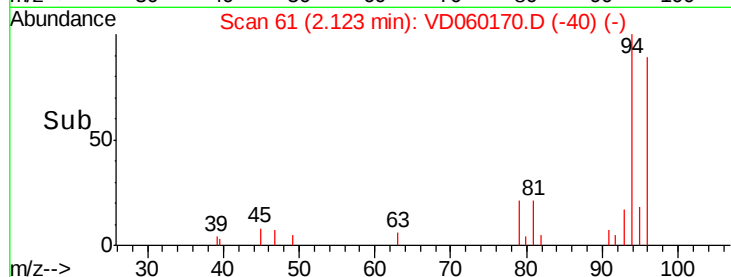
4000

2000

0

Time-->

2.05 2.10 2.15 2.20



#6

Chloroethane

Concen: 15.819 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD060170.D

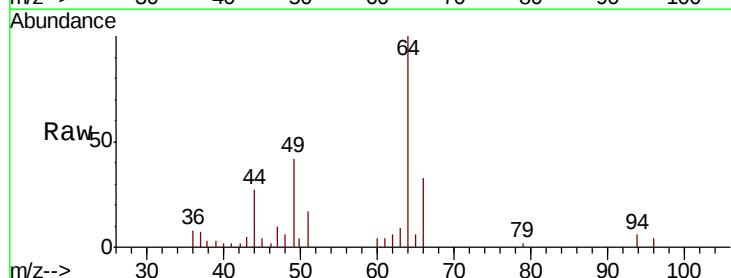
Acq: 10 Oct 2018 12:46

Tgt Ion: 64 Resp: 46211

Ion Ratio Lower Upper

64 100

66 33.1 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.22

20000

15000

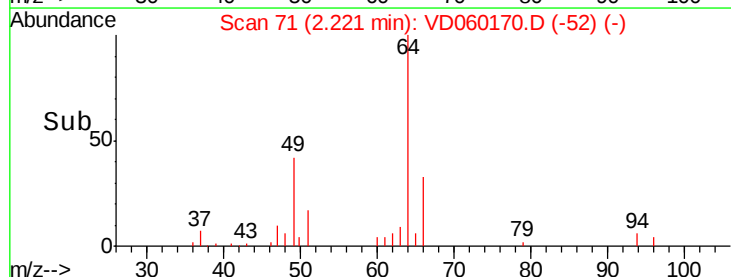
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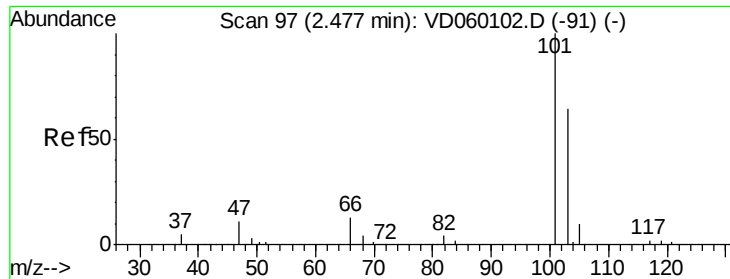
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0

Time-->

2.10 2.20 2.30 2.40



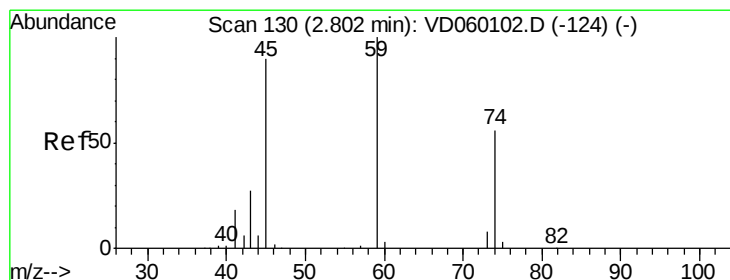
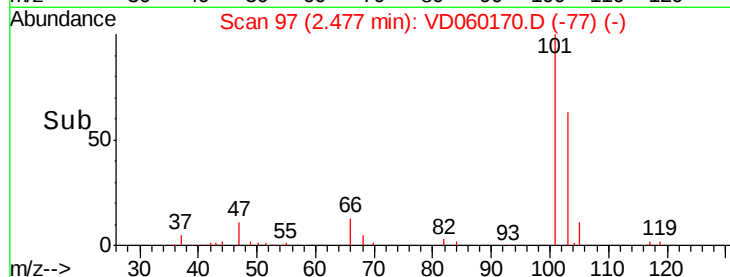
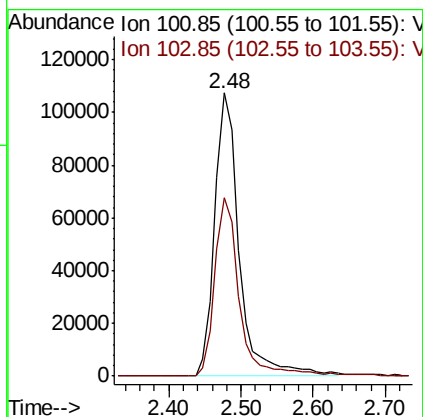
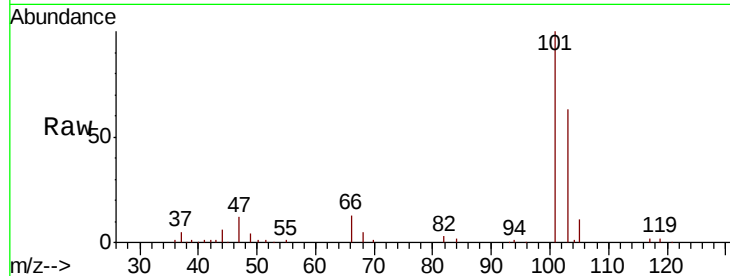


#7

Trichlorofluoromethane
 Concen: 19.678 ug/l
 RT: 2.48 min Scan# 97
 Delta R.T. -0.00 min
 Lab File: VD060170.D
 Acq: 10 Oct 2018 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBSD01

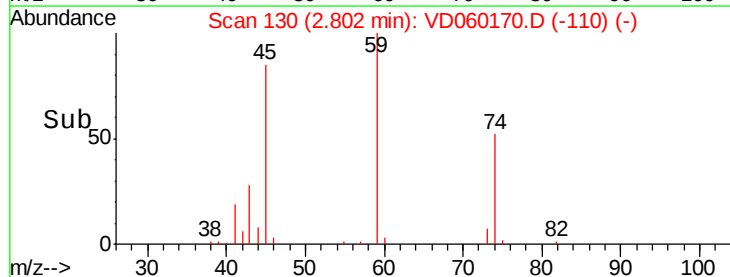
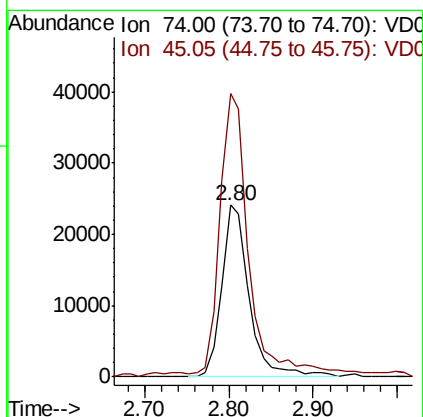
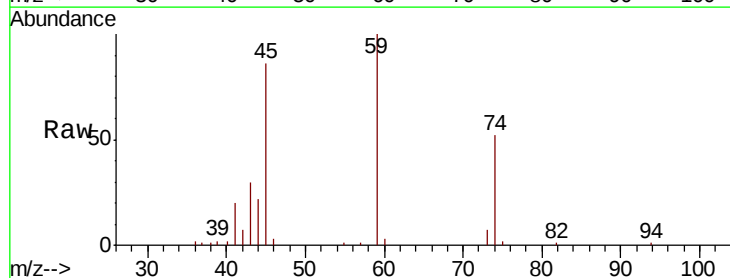
Tot Ion:101 Resp: 252241
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.5 77.3

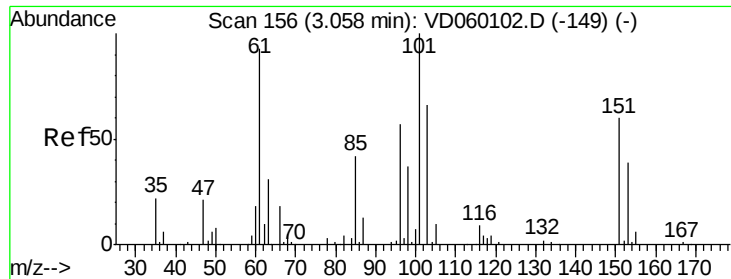


#8

Diethyl Ether
 Concen: 20.661 ug/l
 RT: 2.80 min Scan# 130
 Delta R.T. -0.00 min
 Lab File: VD060170.D
 Acq: 10 Oct 2018 12:46

Tgt Ion: 74 Resp: 54459
 Ion Ratio Lower Upper
 74 100
 45 164.7 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.836 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBSD01

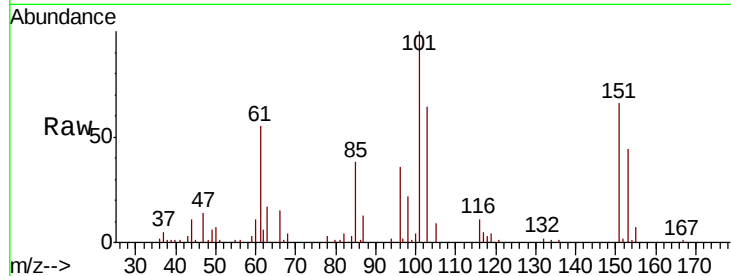
Tot Ion:101 Resp: 166383

Ion Ratio Lower Upper

101 100

85 37.9 33.4 50.0

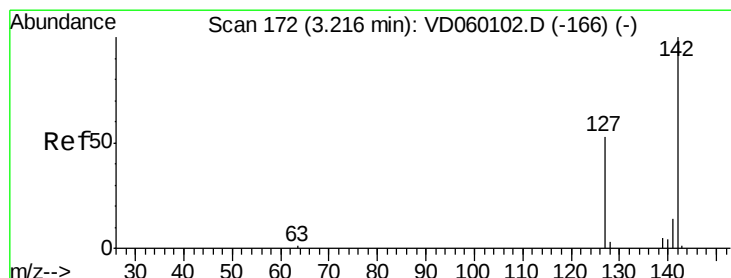
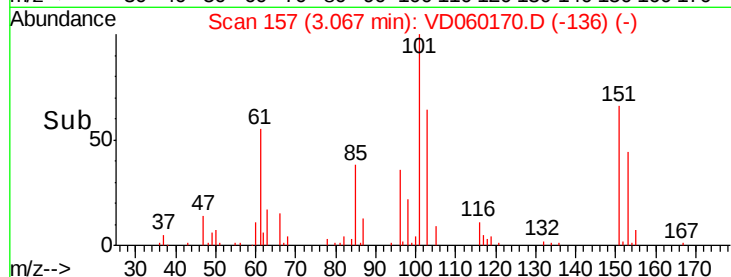
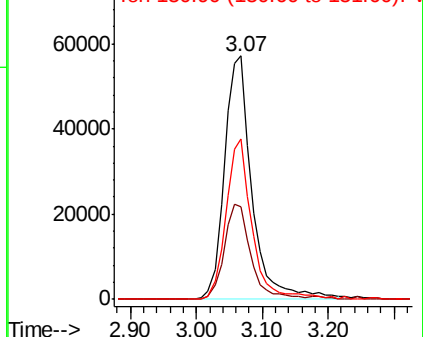
151 65.9 48.0 72.0



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: 17.717 ug/l

RT: 3.21 min Scan# 172

Delta R.T. -0.00 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

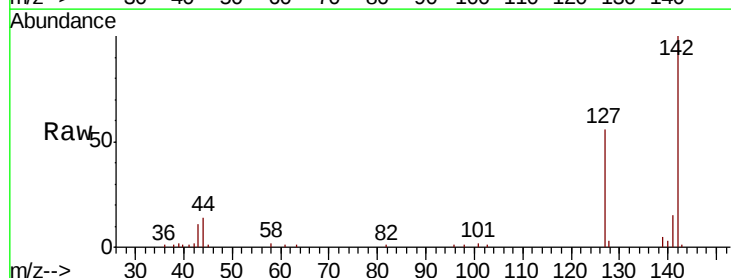
Tgt Ion:142 Resp: 150031

Ion Ratio Lower Upper

142 100

127 55.8 42.0 63.0

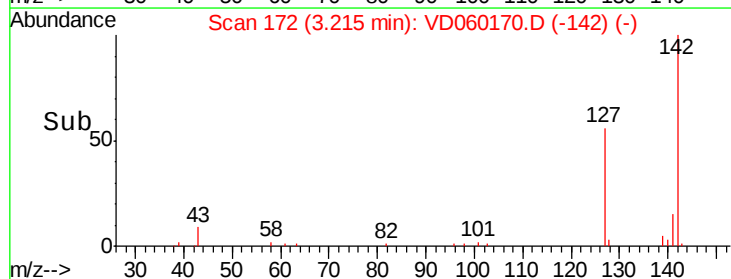
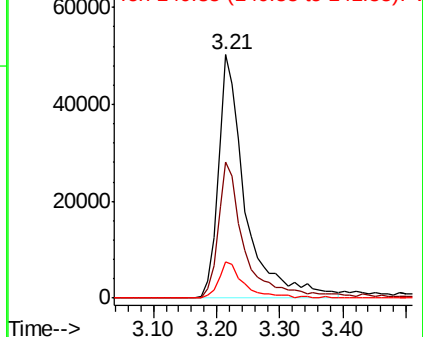
141 14.7 11.4 17.0

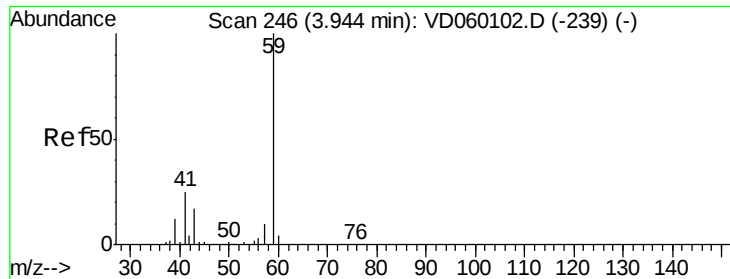


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

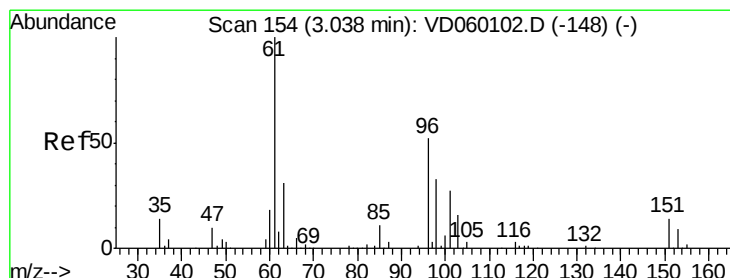
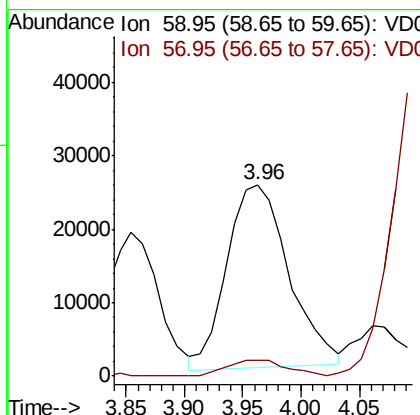
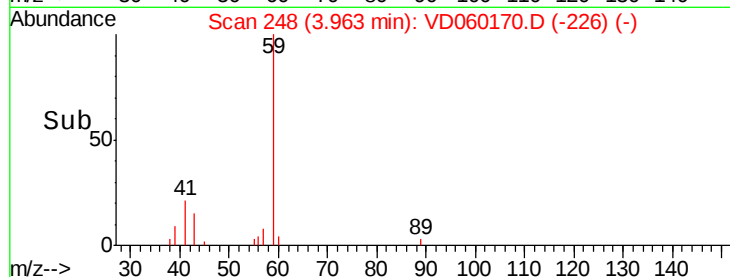
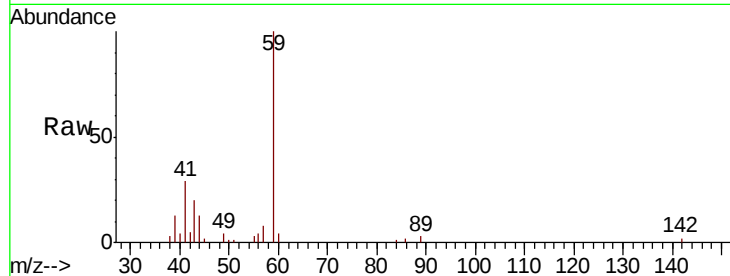




#11
Tert butyl alcohol
Concen: 109.180 ug/l
RT: 3.96 min Scan# 248
Delta R.T. 0.02 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

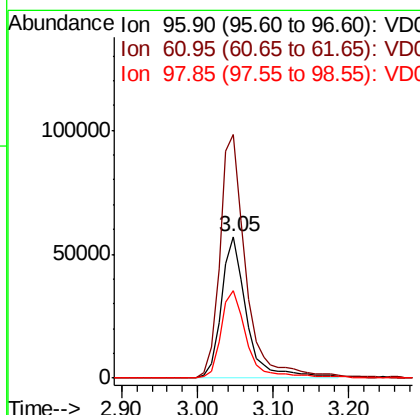
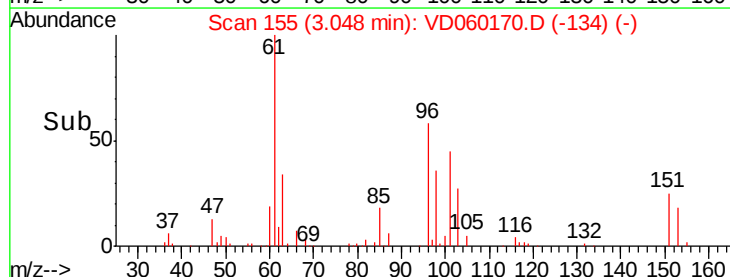
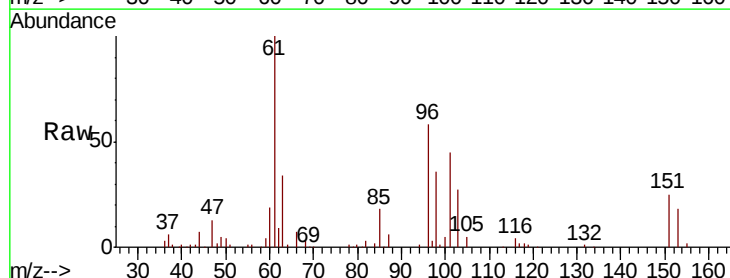
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

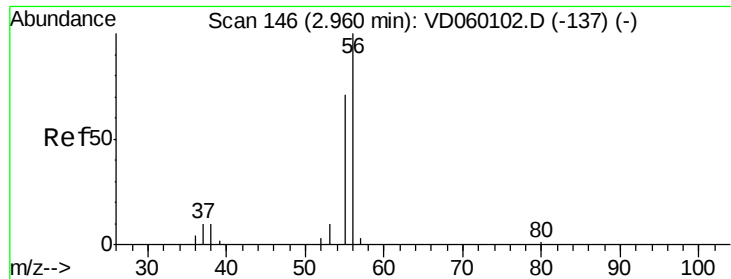
Tot Ion: 59 Resp: 91535
Ion Ratio Lower Upper
59 100
57 8.1 7.8 11.6



#12
1,1-Dichloroethene
Concen: 21.021 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion: 96 Resp: 132241
Ion Ratio Lower Upper
96 100
61 172.4 153.0 229.4
98 62.2 51.1 76.7





#13

Acrolein

Concen: 79.881 ug/l

RT: 2.96 min Scan# 146

Delta R.T. -0.00 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

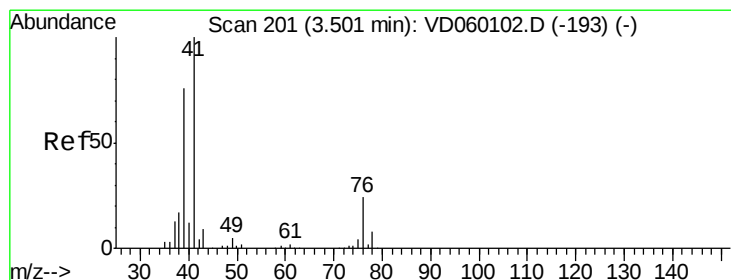
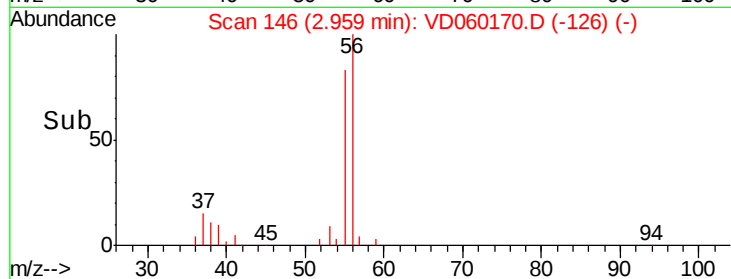
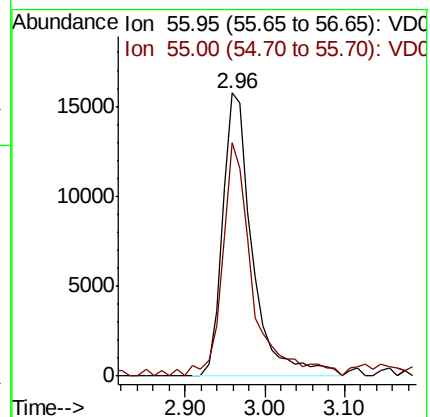
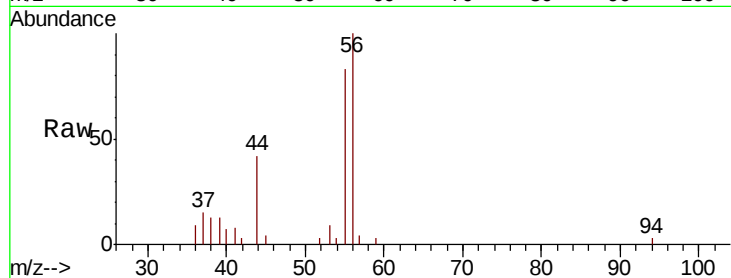
VD1010SBS01

Tot Ion: 56 Resp: 41284

Ion Ratio Lower Upper

56 100

55 82.5 57.4 86.2



#14

Allyl chloride

Concen: 21.017 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

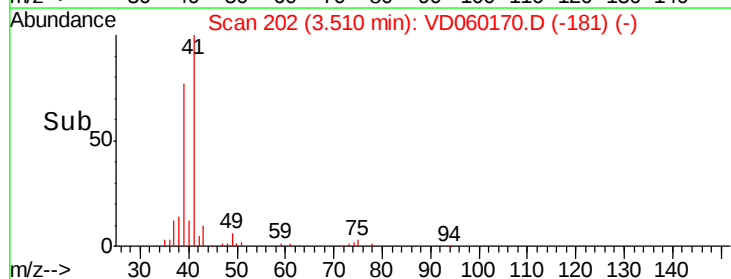
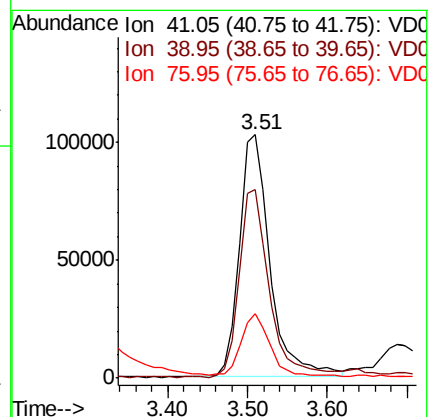
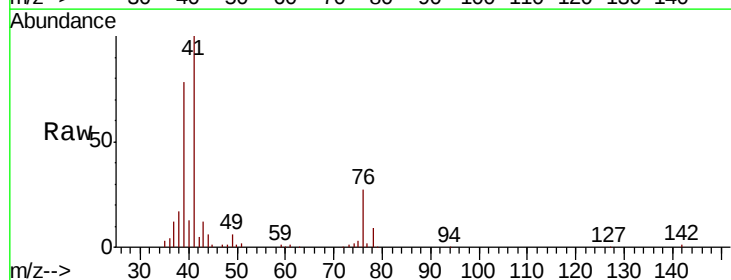
Tgt Ion: 41 Resp: 274600

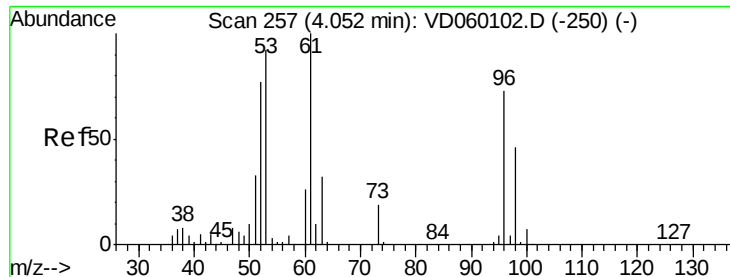
Ion Ratio Lower Upper

41 100

39 77.6 60.6 90.8

76 26.6 21.3 31.9





#15

Acrylonitrile

Concen: 107.032 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

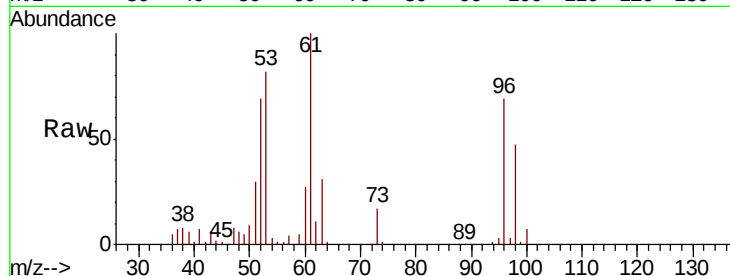
Tot Ion: 53 Resp: 371422

Ion Ratio Lower Upper

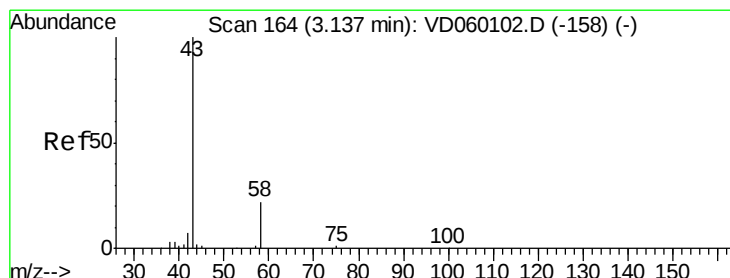
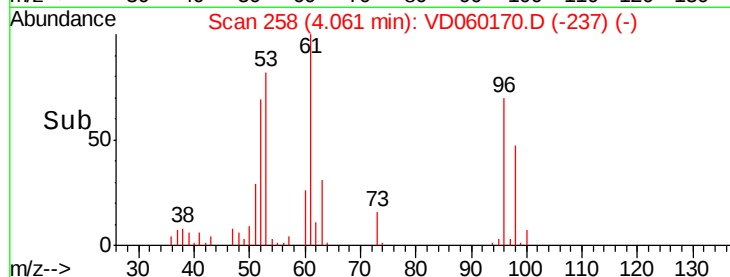
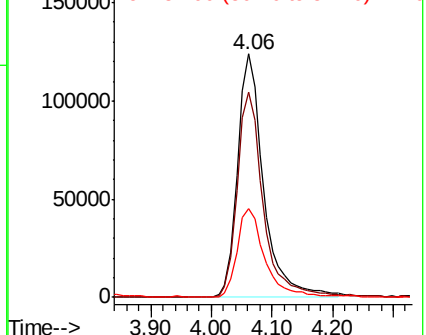
53 100

52 84.1 67.5 101.3

51 36.6 29.3 43.9



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: 119.854 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD060170.D

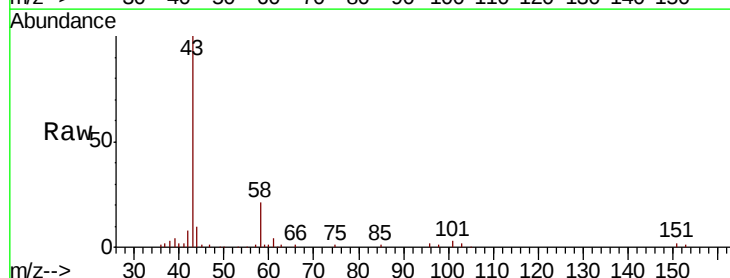
Acq: 10 Oct 2018 12:46

Tgt Ion: 43 Resp: 254231

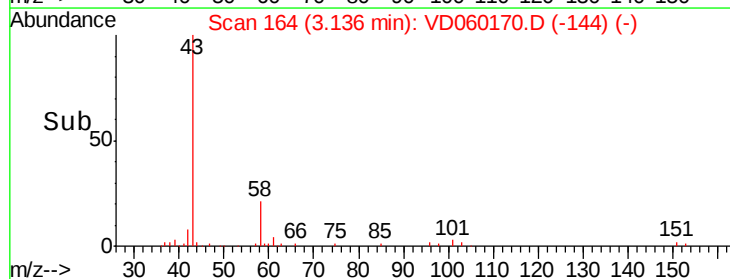
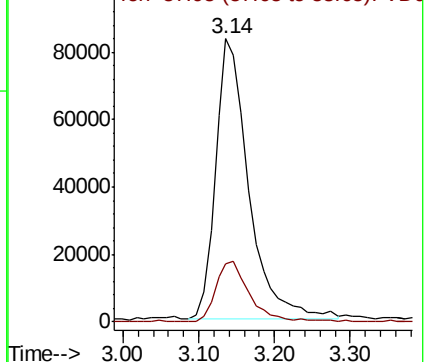
Ion Ratio Lower Upper

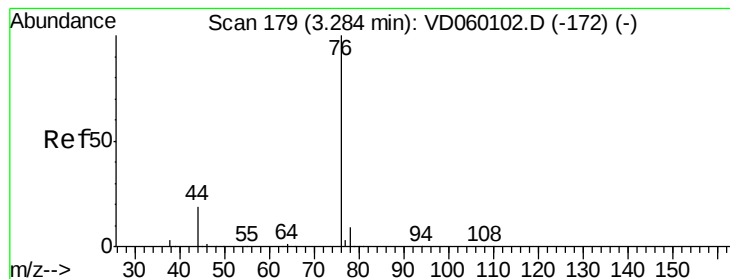
43 100

58 20.6 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 19.051 ug/l

RT: 3.28 min Scan# 179

Delta R.T. -0.00 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

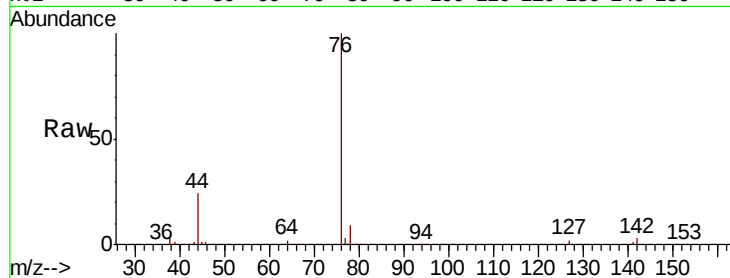
VD1010SBSD01

Tot Ion: 76 Resp: 403024

Ion Ratio Lower Upper

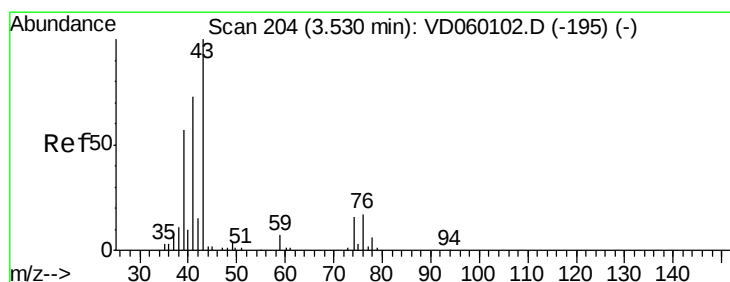
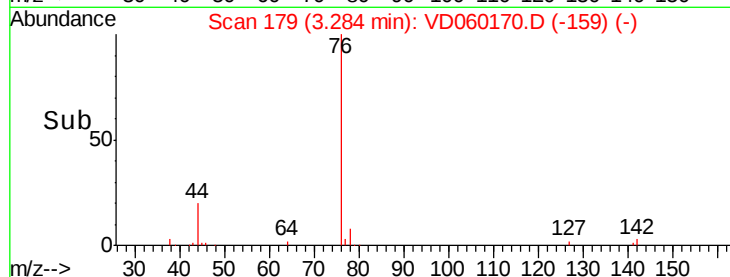
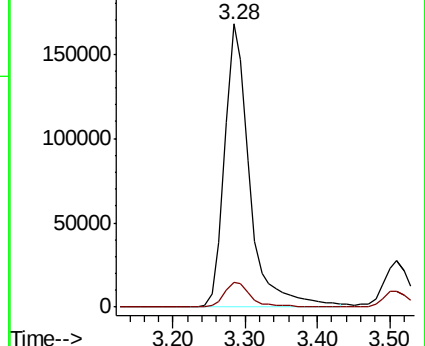
76 100

78 8.8 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.874 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.00 min

Lab File: VD060170.D

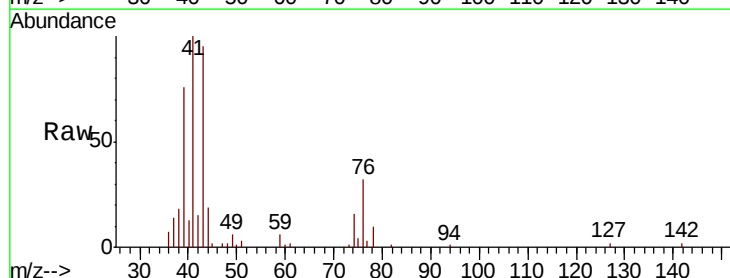
Acq: 10 Oct 2018 12:46

Tgt Ion: 43 Resp: 95167

Ion Ratio Lower Upper

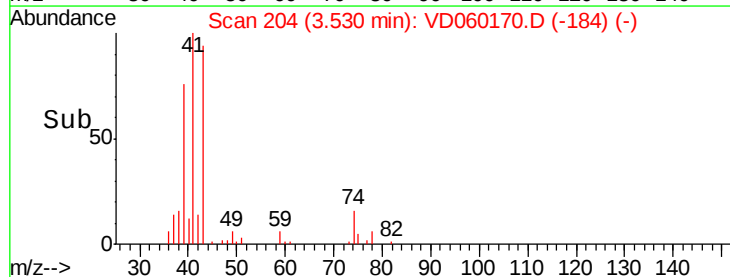
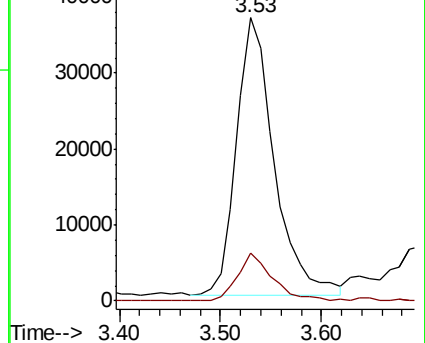
43 100

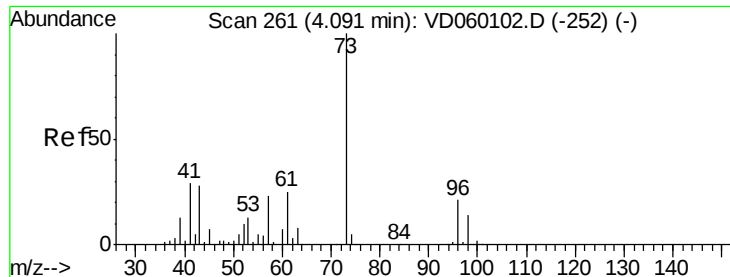
74 17.0 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

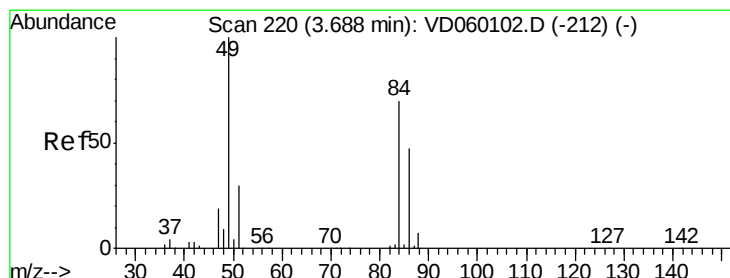
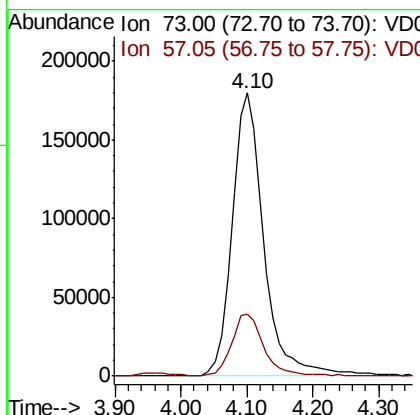
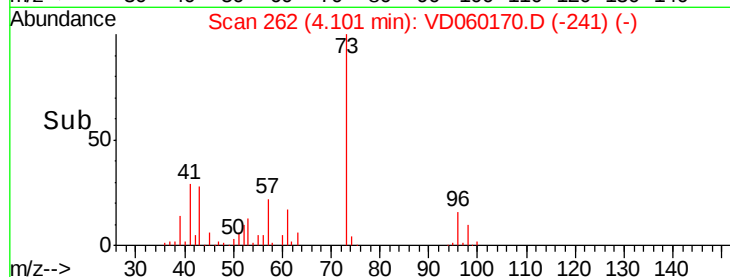
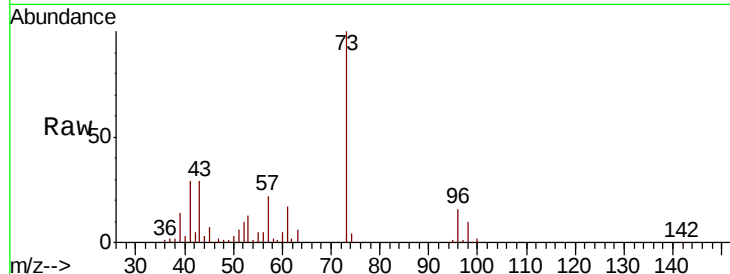




#19
Methyl tert-butyl Ether
Concen: 21.644 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

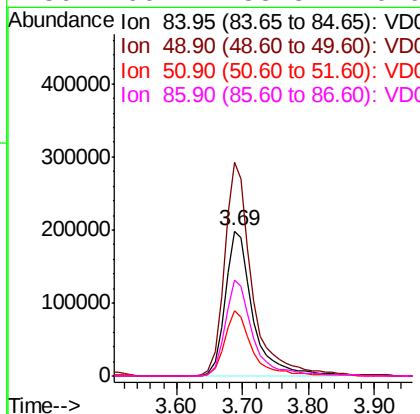
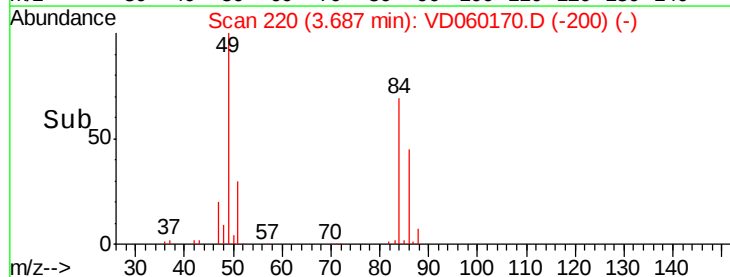
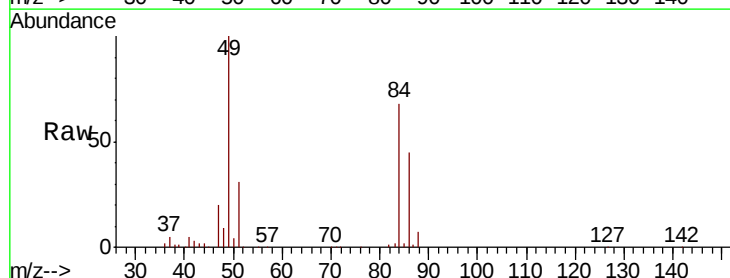
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

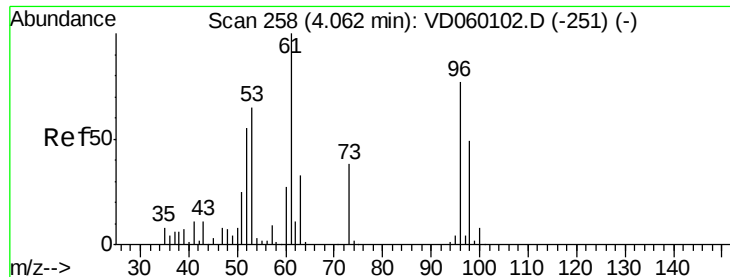
Tot Ion: 73 Resp: 598653
Ion Ratio Lower Upper
73 100
57 21.8 18.7 28.1



#20
Methylene Chloride
Concen: 33.445 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.00 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion: 84 Resp: 582194
Ion Ratio Lower Upper
84 100
49 147.2 114.6 172.0
51 45.0 33.8 50.8
86 66.2 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 20.103 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

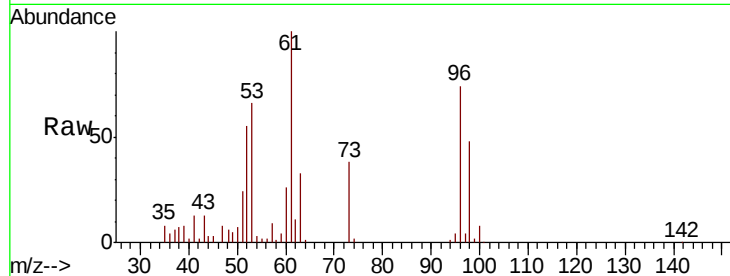
Tot Ion: 96 Resp: 326622

Ion Ratio Lower Upper

96 100

61 136.0 103.3 154.9

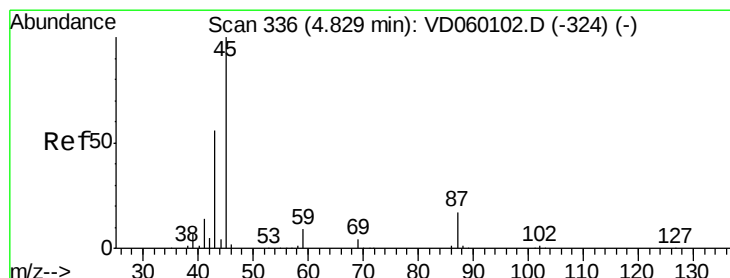
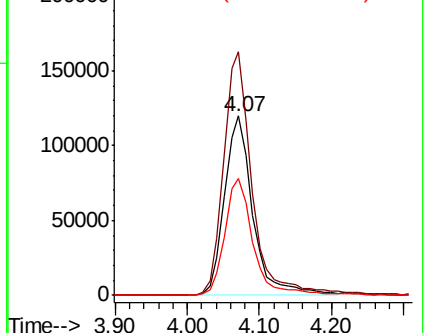
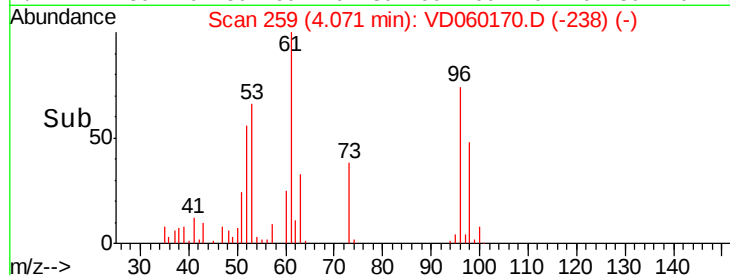
98 65.6 50.4 75.6



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: 21.656 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Tgt Ion: 45 Resp: 1263672

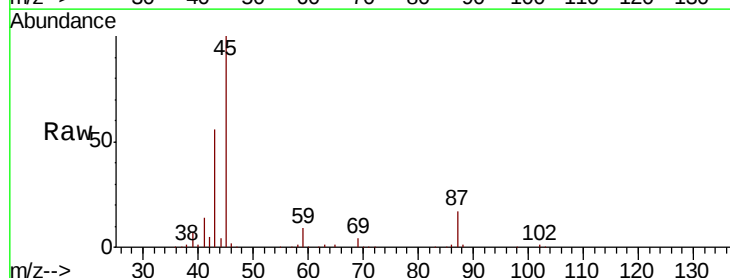
Ion Ratio Lower Upper

45 100

43 56.0 44.8 67.2

87 16.9 13.9 20.9

59 8.6 7.1 10.7

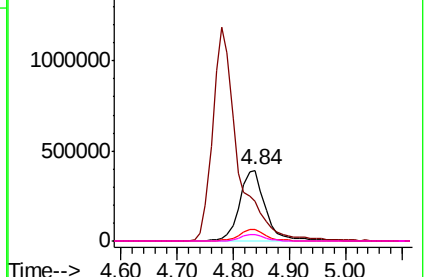
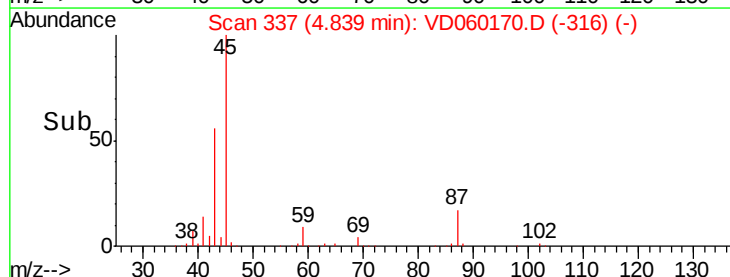


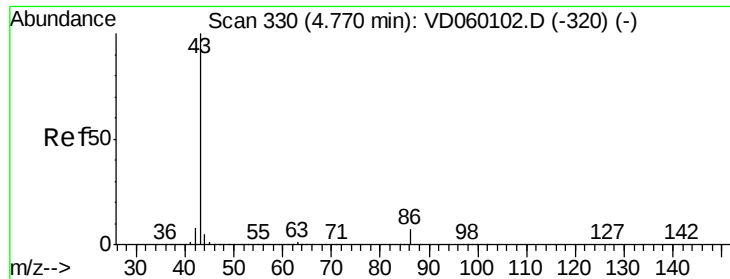
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 112.835 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

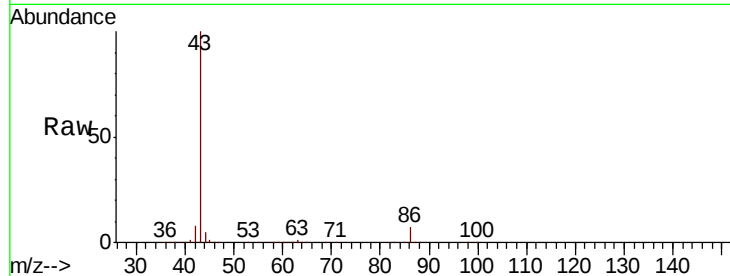
VD1010SBS01

Tot Ion: 43 Resp: 3700880

Ion Ratio Lower Upper

43 100

86 6.6 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

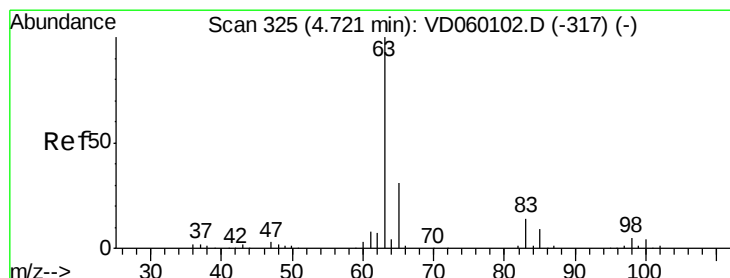
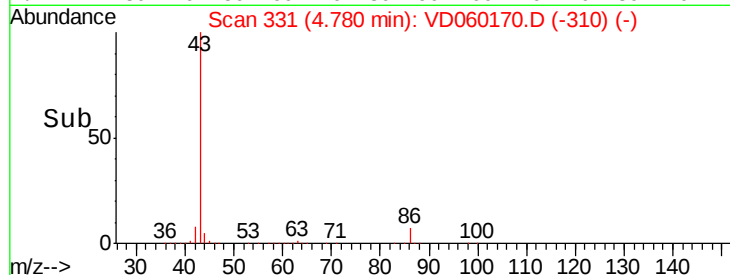
4.78

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.269 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

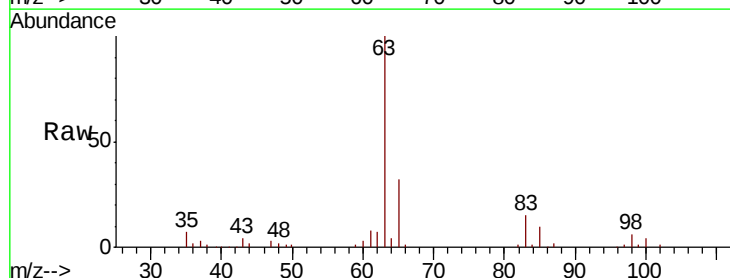
Tgt Ion: 63 Resp: 562703

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 3.6 1.8 5.3



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

250000

200000

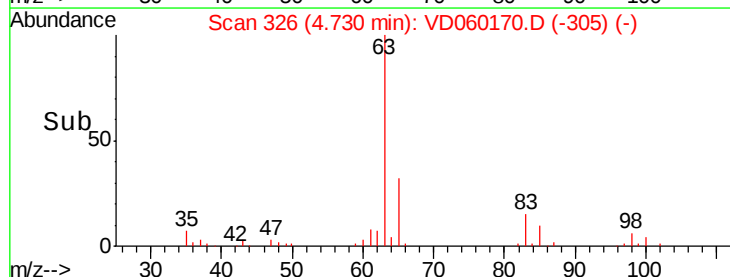
150000

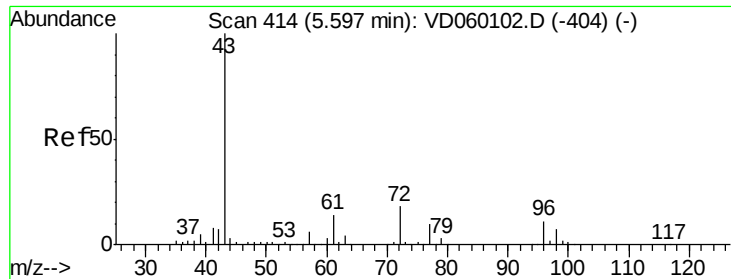
100000

50000

0

Time-->





#25

2-Butanone

Concen: 121.864 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

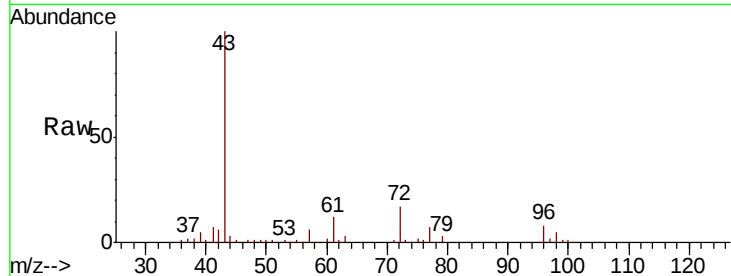
VD1010SBS01

Tot Ion: 43 Resp: 645787

Ion Ratio Lower Upper

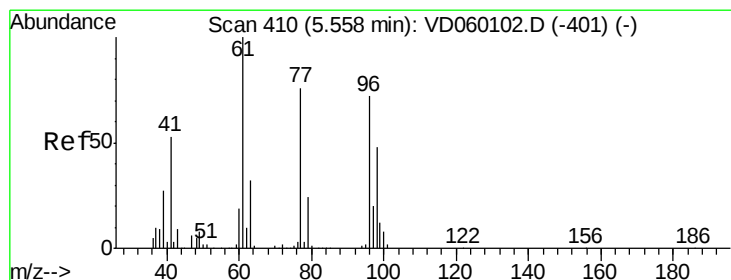
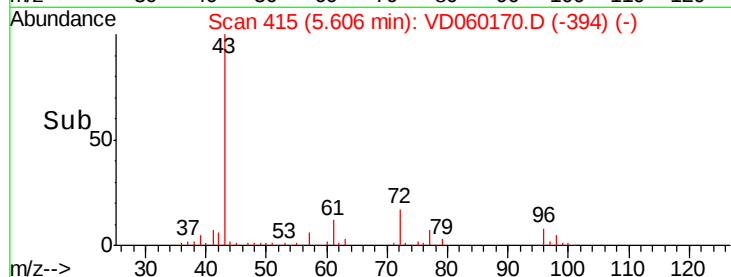
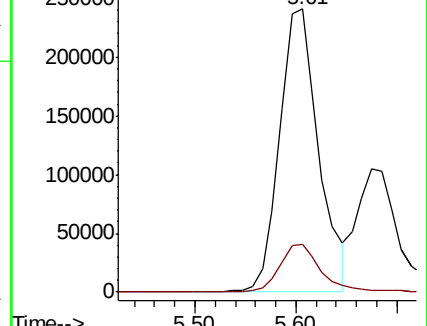
43 100

72 16.9 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.569 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060170.D

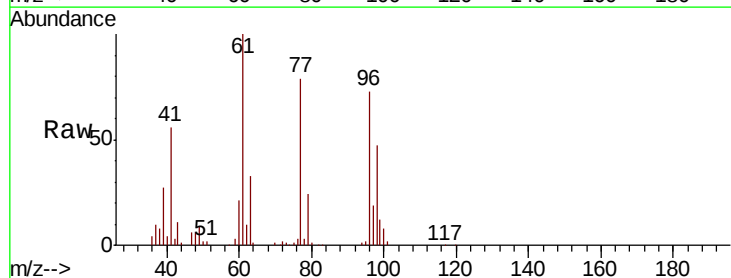
Acq: 10 Oct 2018 12:46

Tgt Ion: 77 Resp: 452647

Ion Ratio Lower Upper

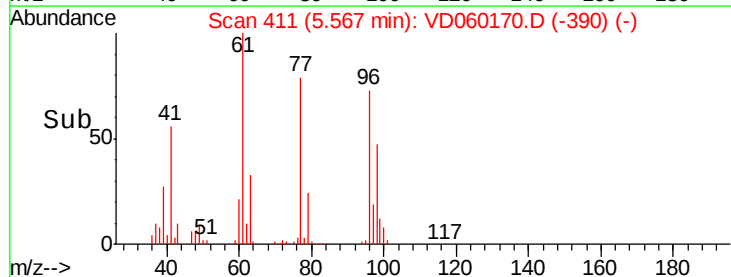
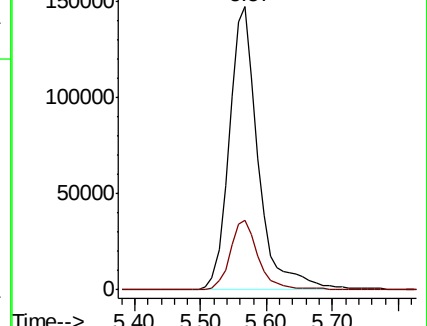
77 100

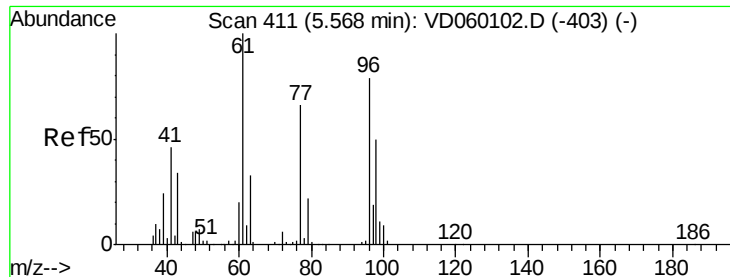
97 24.6 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



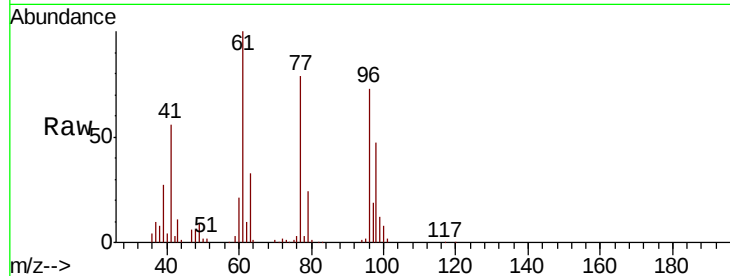


#27

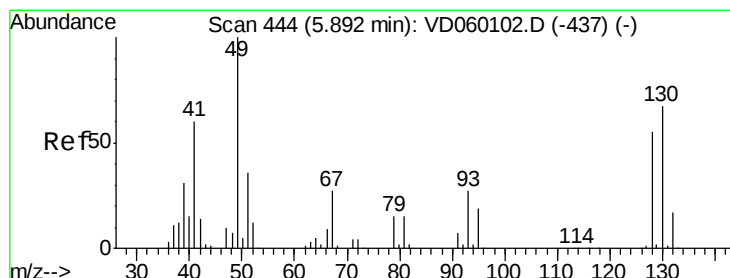
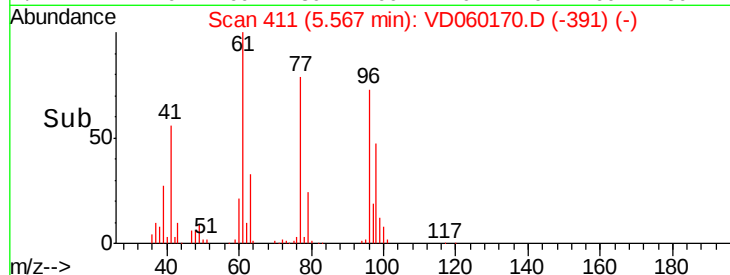
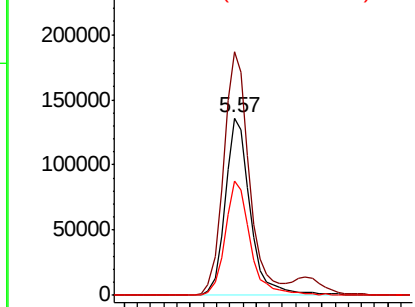
cis-1,2-Dichloroethene
Concen: 20.970 ug/l
RT: 5.57 min Scan# 411
Delta R.T. -0.00 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion: 96 Resp: 360982
Ion Ratio Lower Upper
96 100
61 137.2 0.0 251.8
98 64.5 0.0 125.2



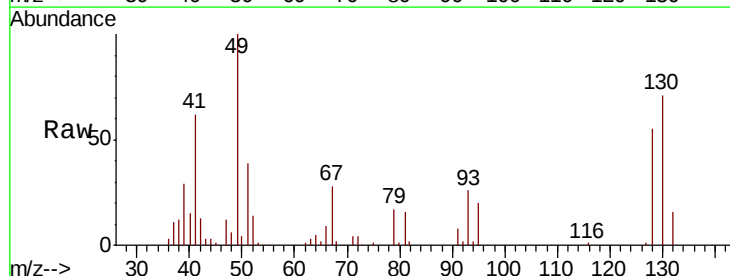
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



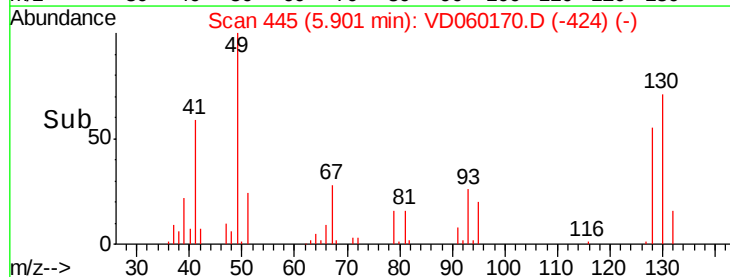
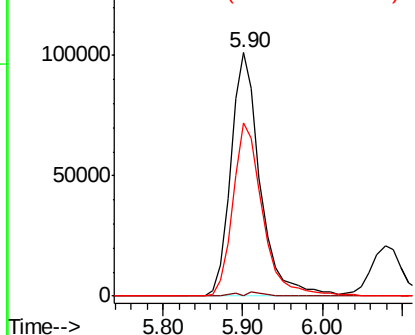
#28

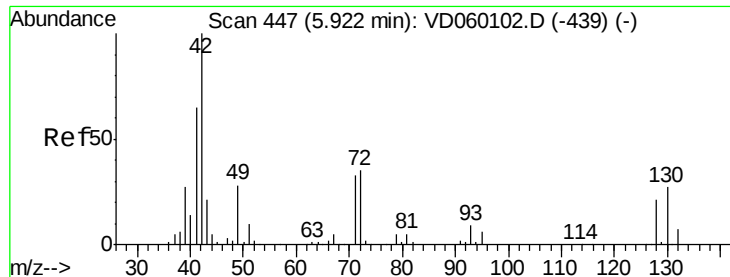
Bromochloromethane
Concen: 20.133 ug/l
RT: 5.90 min Scan# 445
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion: 49 Resp: 258836
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 71.2 53.9 80.9



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

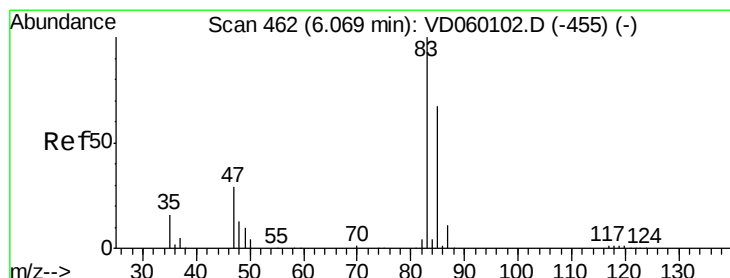
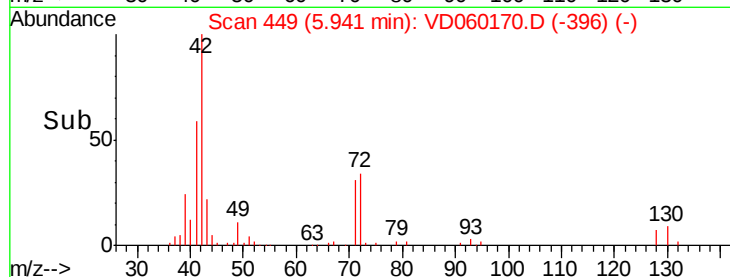
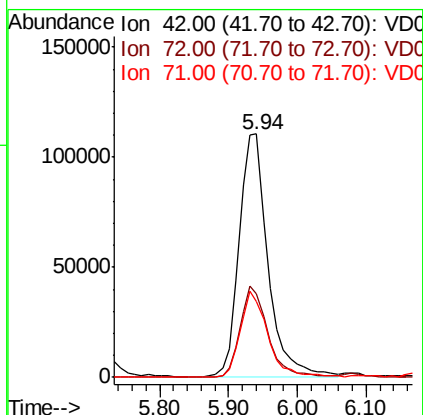
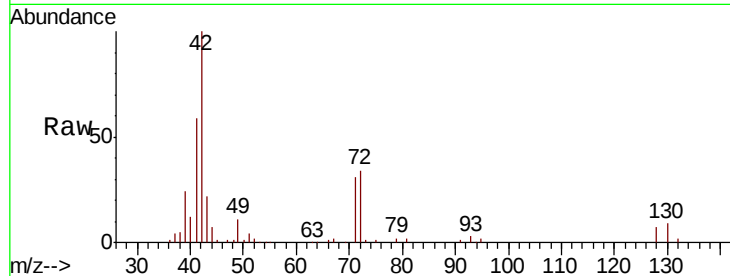




#29
Tetrahydrofuran
Concen: 105.158 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

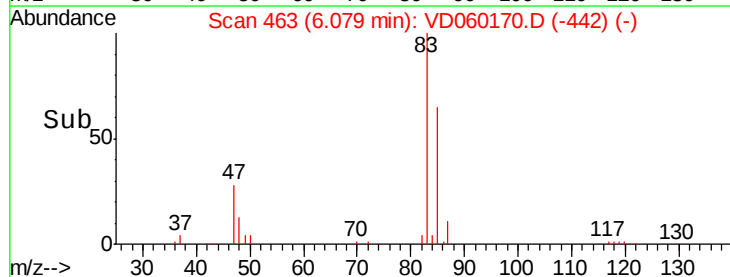
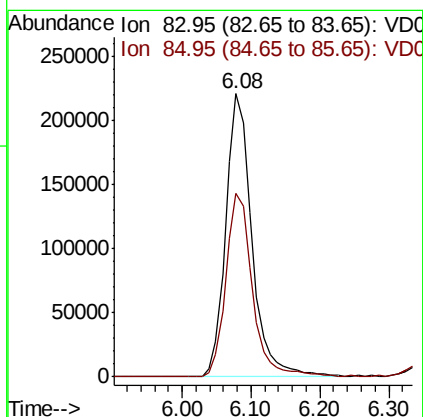
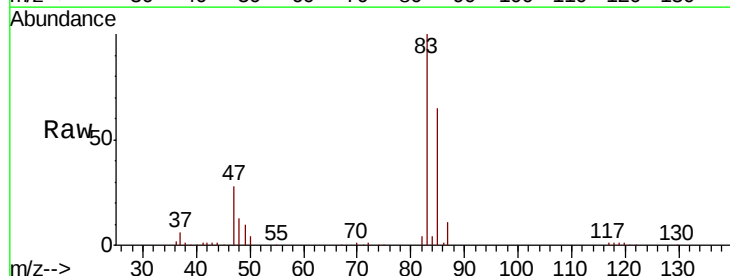
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

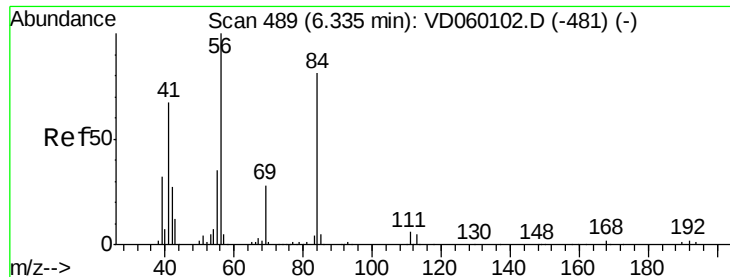
Tot Ion: 42 Resp: 323682
Ion Ratio Lower Upper
42 100
72 35.4 26.9 40.3
71 33.6 26.7 40.1



#30
Chloroform
Concen: 21.719 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion: 83 Resp: 581247
Ion Ratio Lower Upper
83 100
85 64.7 53.8 80.8

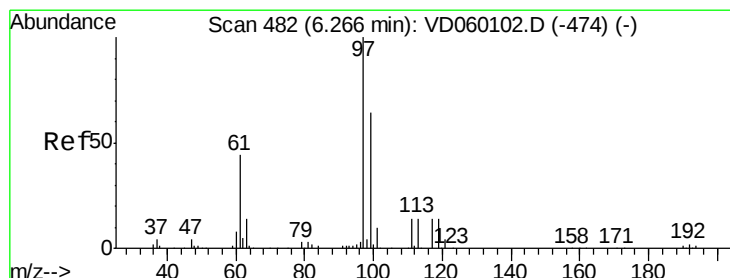
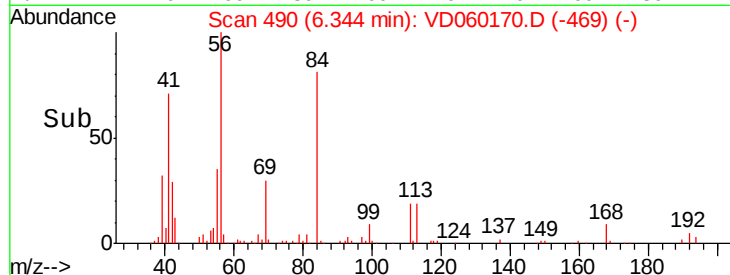
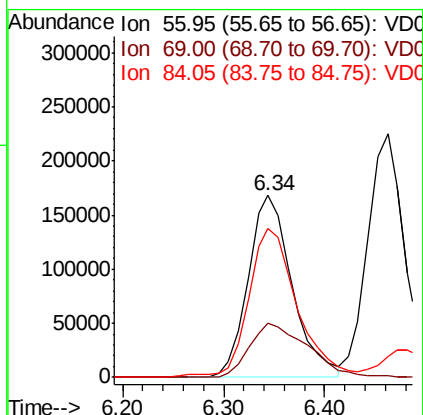
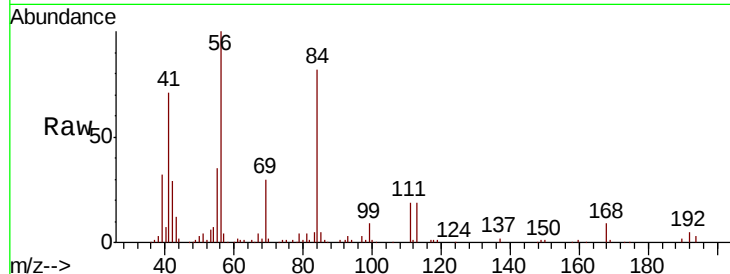




#31
Cyclohexane
Concen: 20.118 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

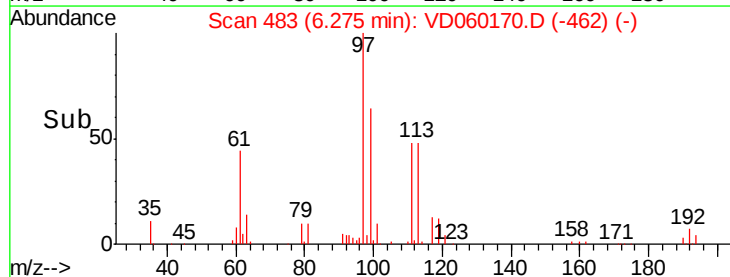
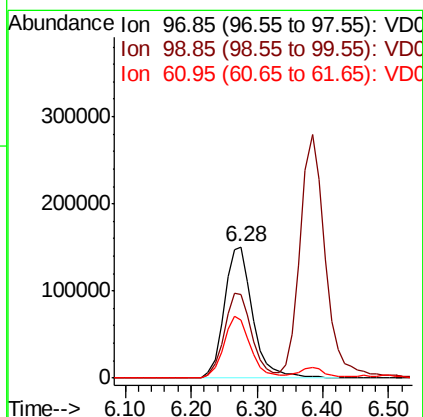
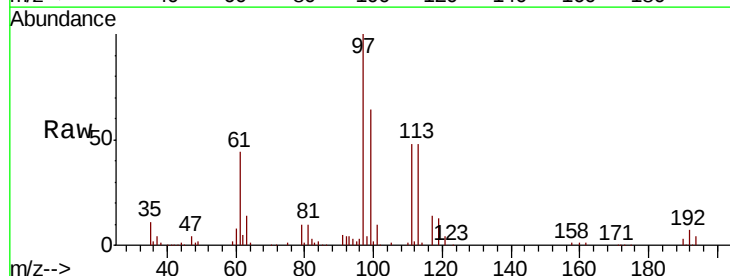
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

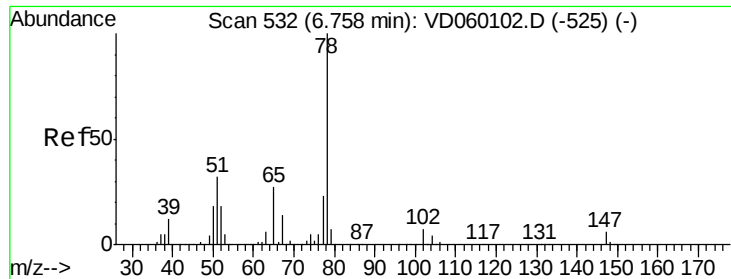
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	22.8	34.2
84	81.8	64.9	97.3



#32
1,1,1-Trichloroethane
Concen: 20.788 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.0
61	43.8	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 20.788 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

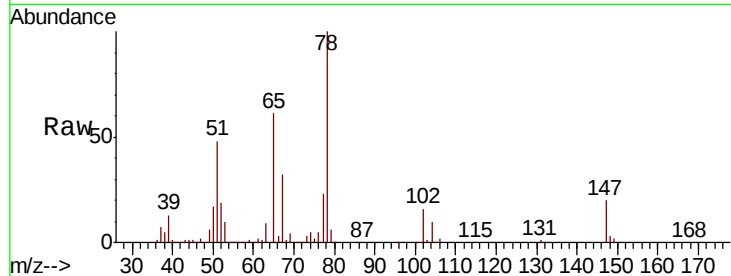
VD1010SBSD01

Tot Ion: 65 Resp: 640316

Ion Ratio Lower Upper

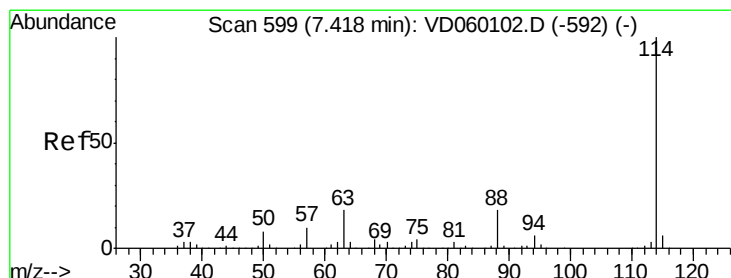
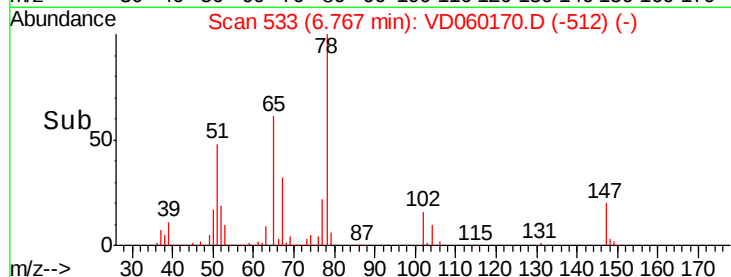
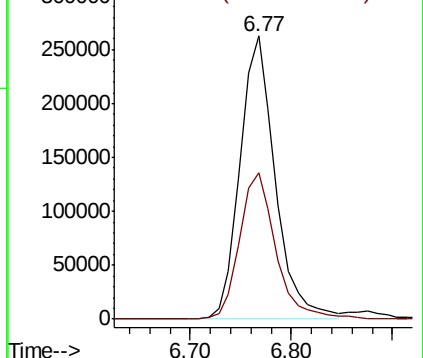
65 100

67 51.9 0.0 106.2



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: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

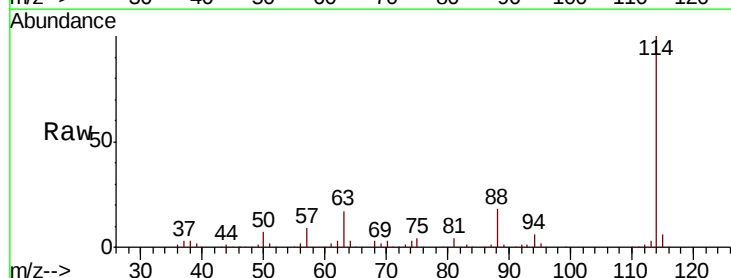
Tgt Ion: 114 Resp: 2140987

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.0

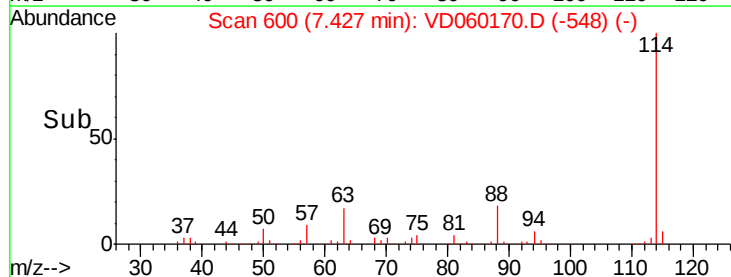
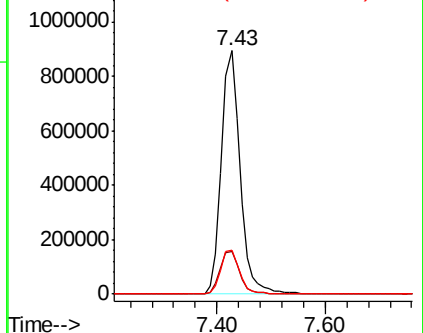
88 17.8 0.0 36.2

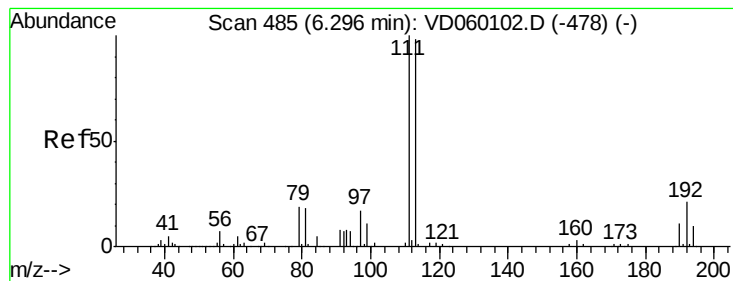


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.30 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBSD01

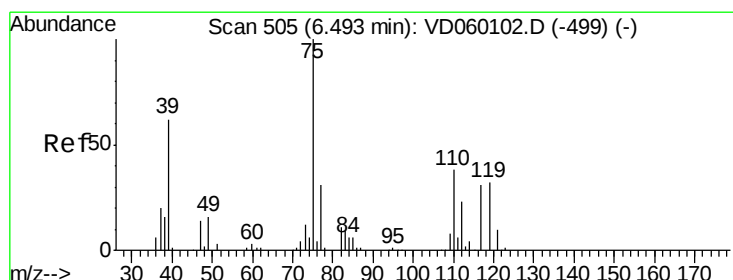
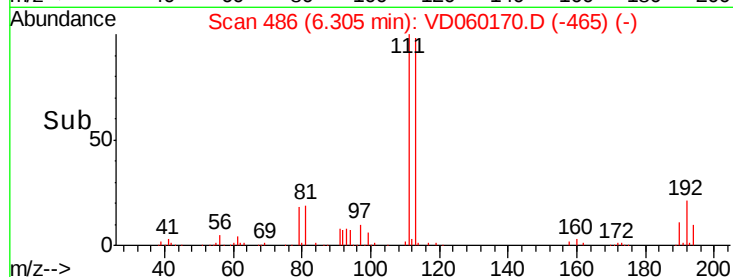
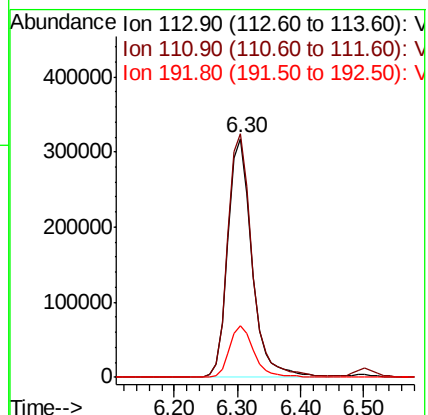
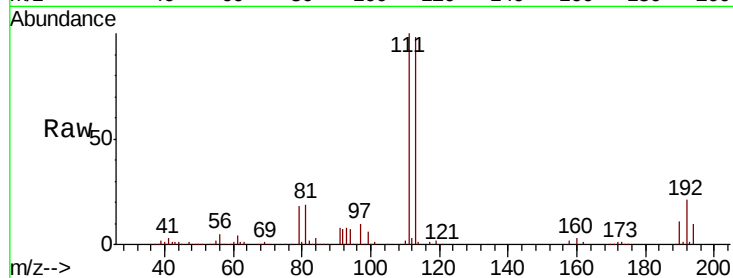
Tot Ion:113 Resp: 844133

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

192 21.7 17.4 26.0



#36

1,1-Dichloropropene

Concen: 21.044 ug/l

RT: 6.50 min Scan# 506

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

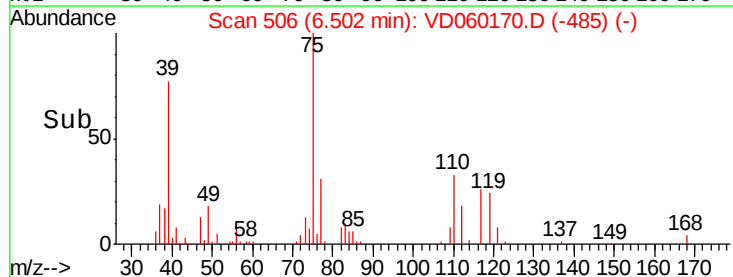
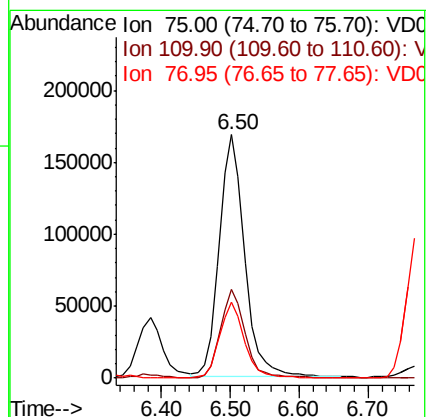
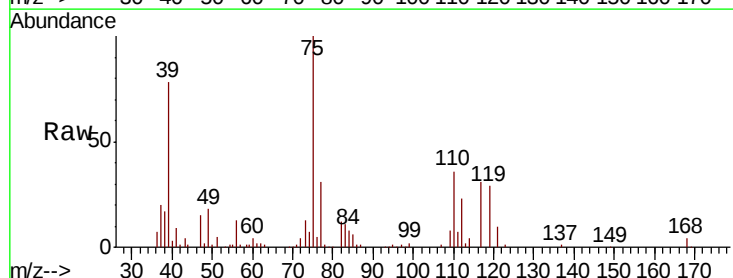
Tgt Ion: 75 Resp: 430548

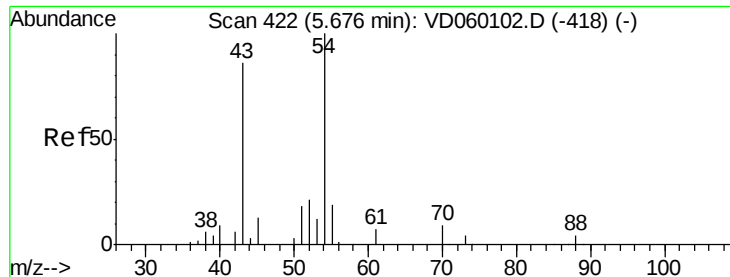
Ion Ratio Lower Upper

75 100

110 36.4 19.0 57.0

77 31.2 24.9 37.3

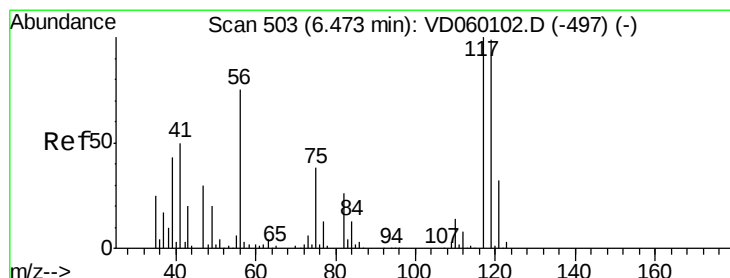
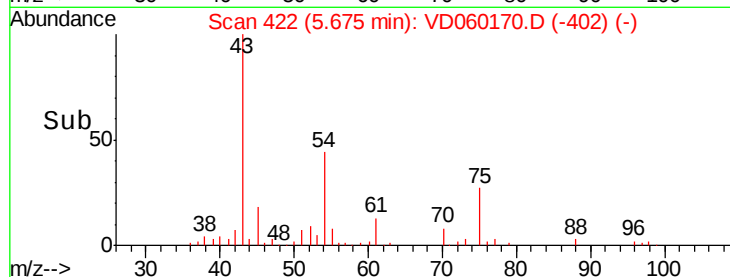
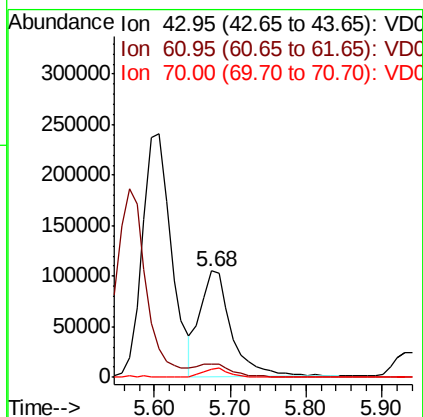
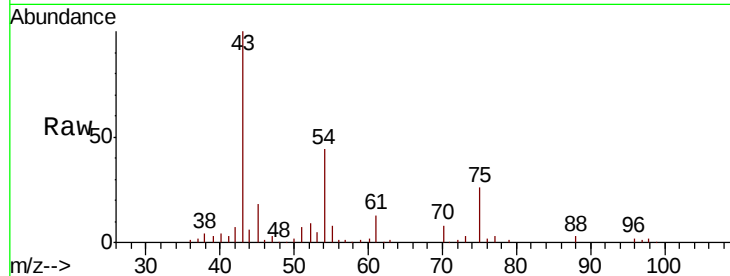




#37
Ethyl Acetate
Concen: 22.299 ug/l
RT: 5.68 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

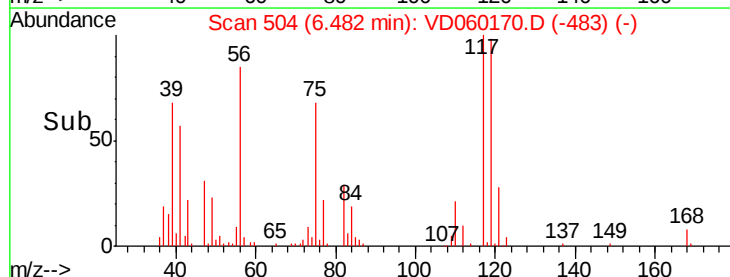
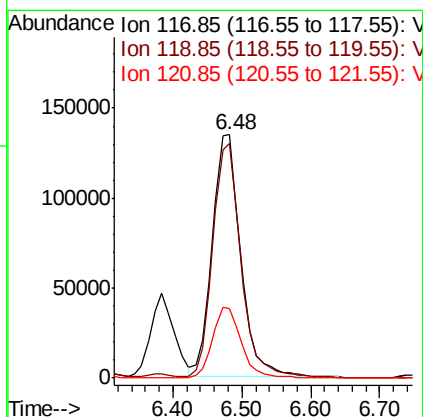
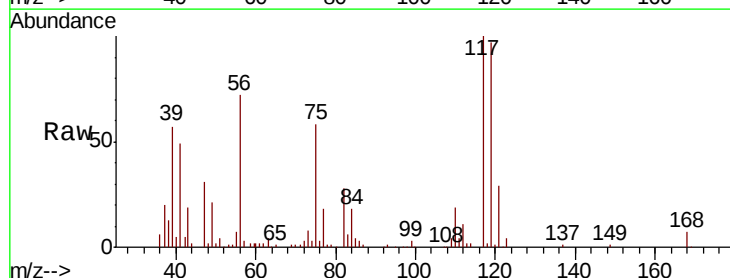
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

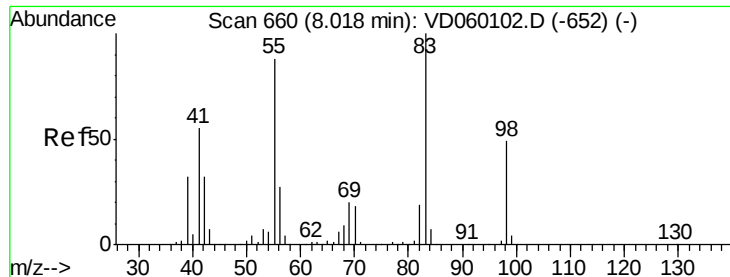
Tot Ion: 43 Resp: 302824
Ion Ratio Lower Upper
43 100
61 13.1 10.5 15.7
70 7.8 6.3 9.5



#38
Carbon Tetrachloride
Concen: 20.853 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion: 117 Resp: 387220
Ion Ratio Lower Upper
117 100
119 96.5 77.8 116.6
121 28.7 24.8 37.2

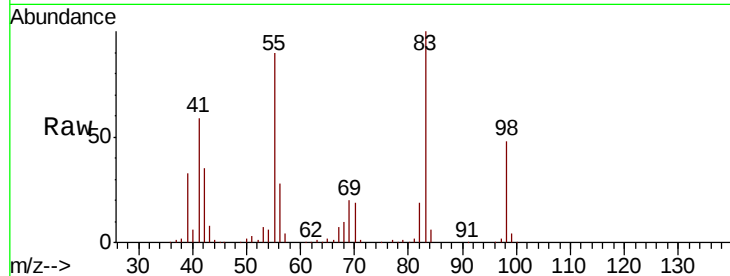




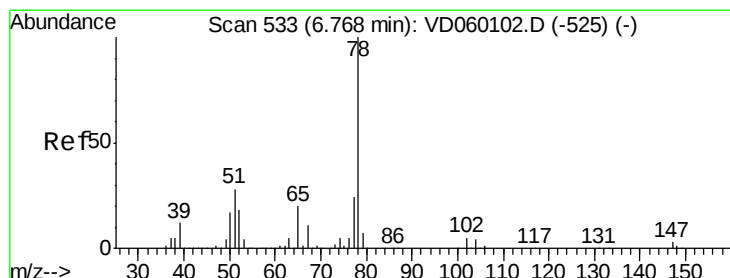
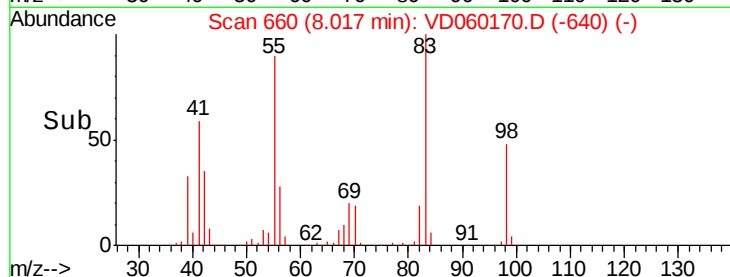
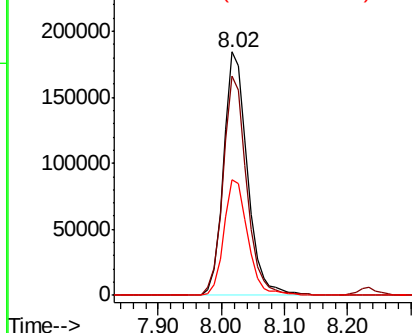
#39
Methvlcvclohexane
Concen: 20.773 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.00 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion: 83 Resp: 482887
Ion Ratio Lower Upper
83 100
55 90.3 70.5 105.7
98 47.6 39.4 59.2

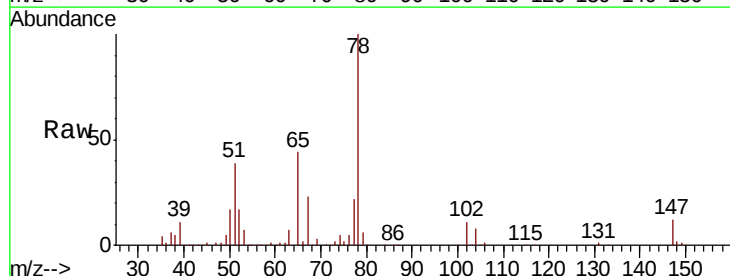


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

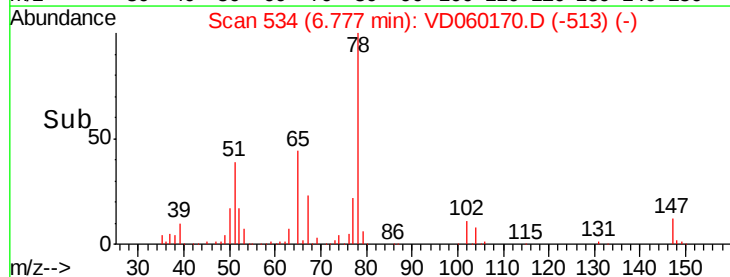
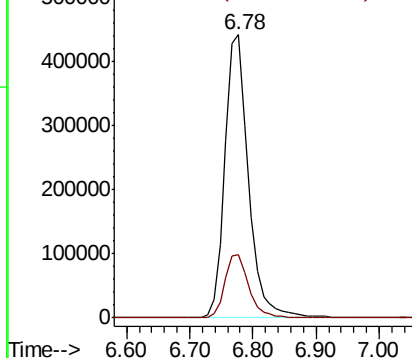


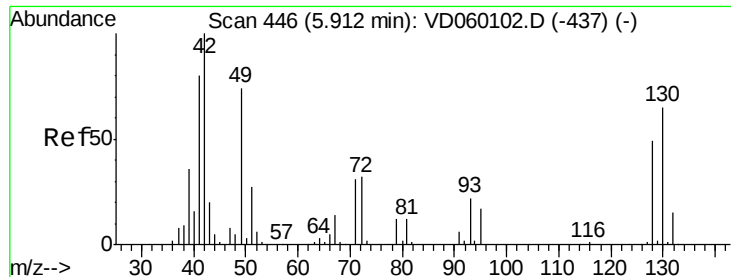
#40
Benzene
Concen: 21.392 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion: 78 Resp: 1144990
Ion Ratio Lower Upper
78 100
77 22.4 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: 43.350 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.02 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBSD01

Tot Ion: 41 Resp: 332740

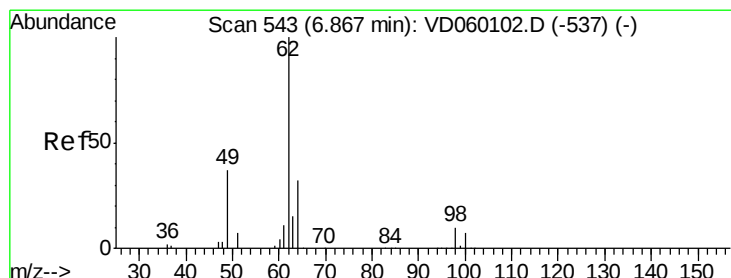
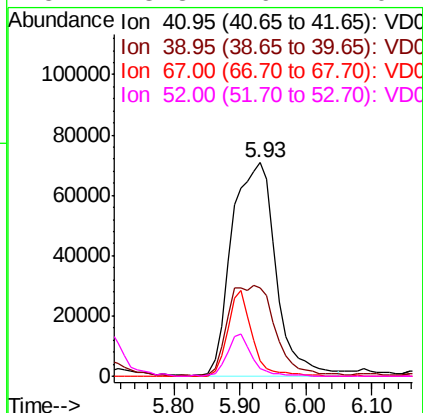
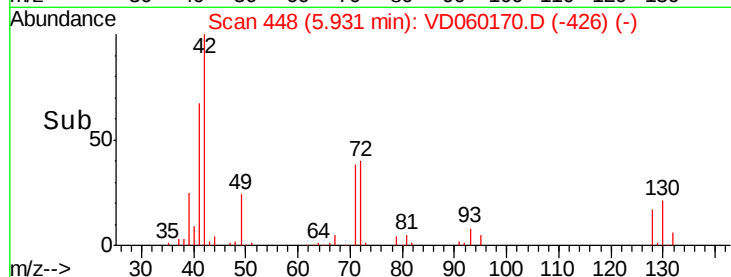
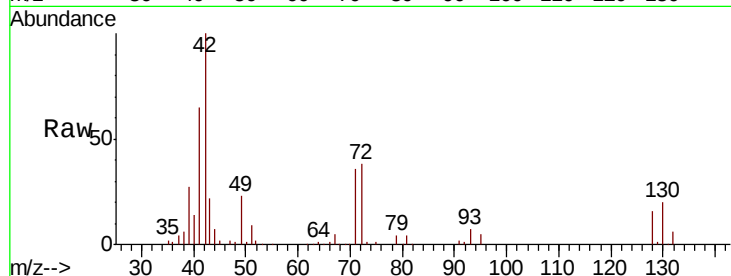
Ion Ratio Lower Upper

41 100

39 41.3 36.0 54.0

67 7.2 13.9 20.9#

52 3.3 6.1 9.1#



#42

1,2-Dichloroethane

Concen: 21.475 ug/l

RT: 6.88 min Scan# 544

Delta R.T. 0.01 min

Lab File: VD060170.D

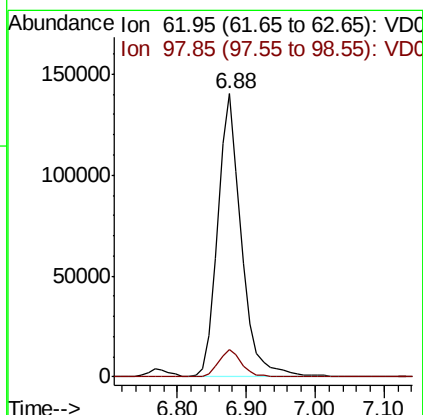
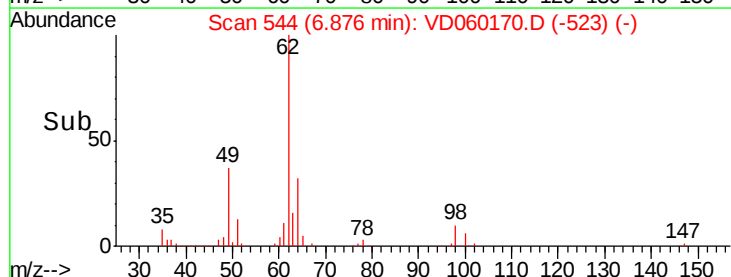
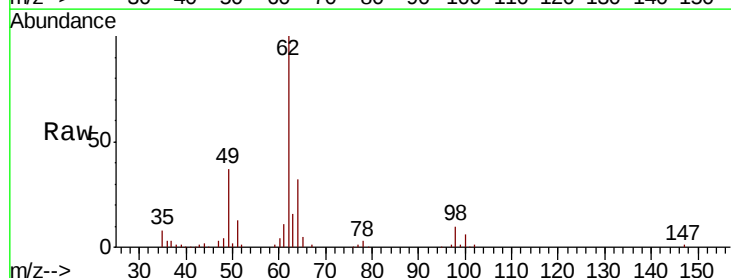
Acq: 10 Oct 2018 12:46

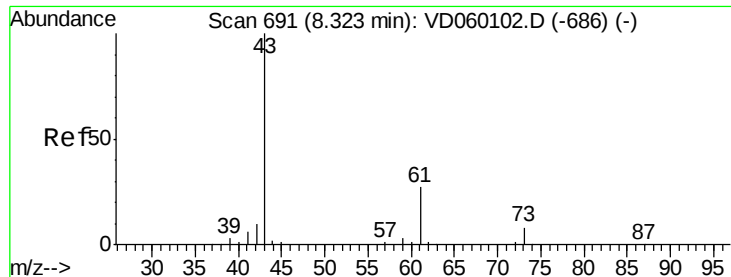
Tgt Ion: 62 Resp: 329546

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.6





#43

Isopropyl Acetate

Concen: 21.382 ug/l

RT: 8.33 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

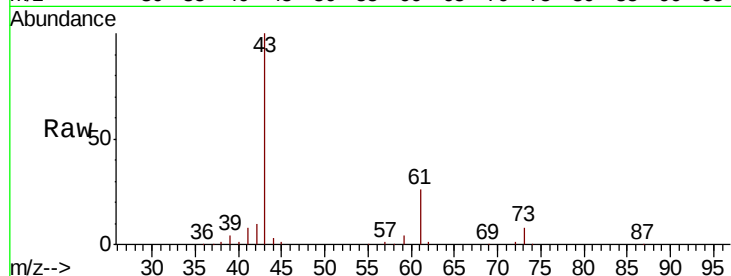
Tot Ion: 43 Resp: 382001

Ion Ratio Lower Upper

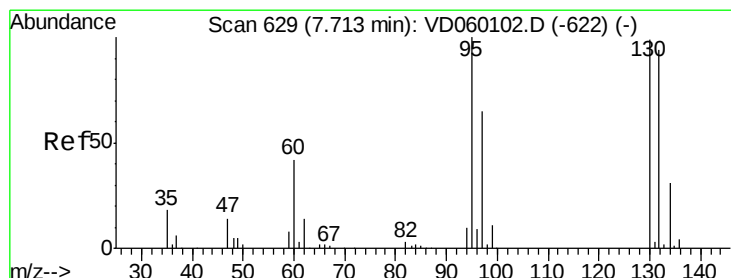
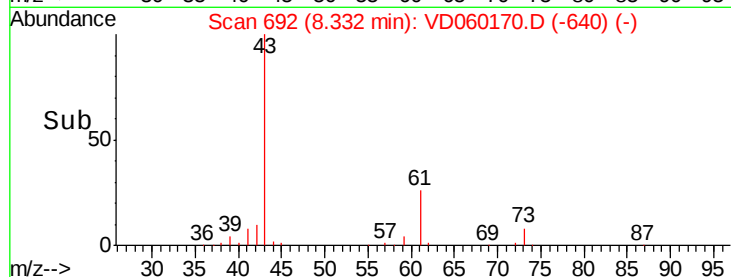
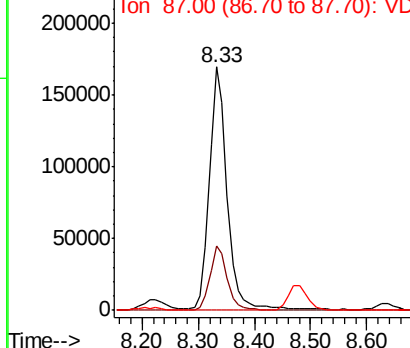
43 100

61 26.4 21.4 32.2

87 0.3 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.394 ug/l

RT: 7.72 min Scan# 630

Delta R.T. 0.01 min

Lab File: VD060170.D

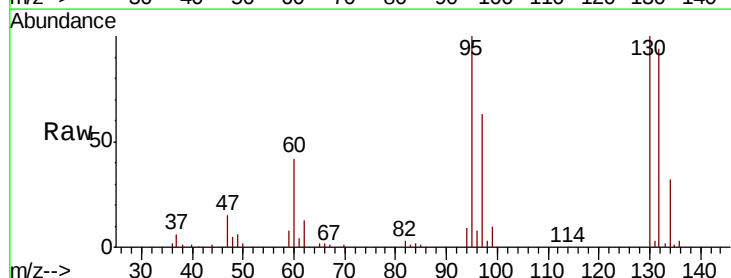
Acq: 10 Oct 2018 12:46

Tgt Ion:130 Resp: 337902

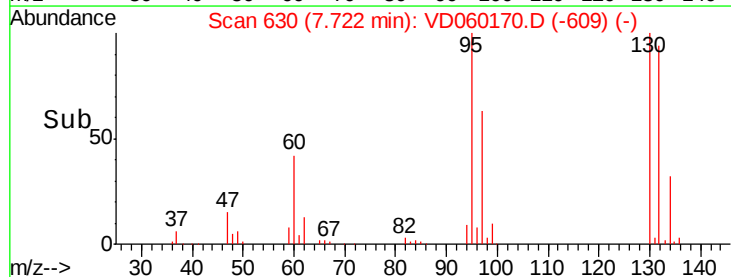
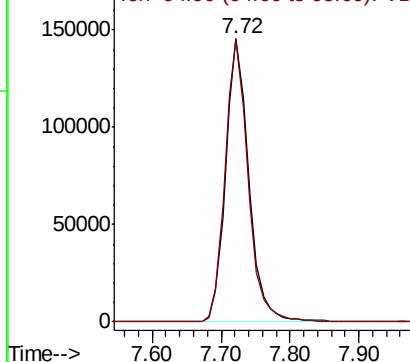
Ion Ratio Lower Upper

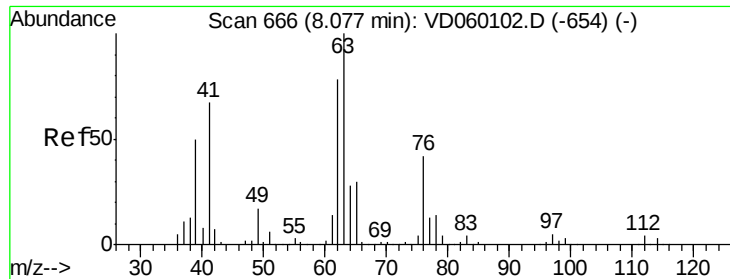
130 100

95 99.6 0.0 202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

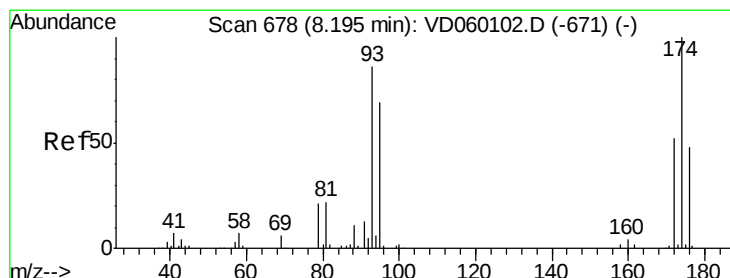
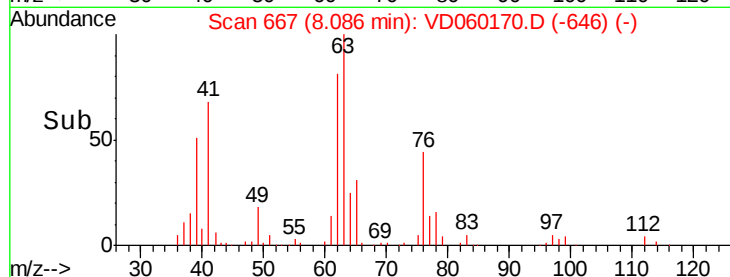
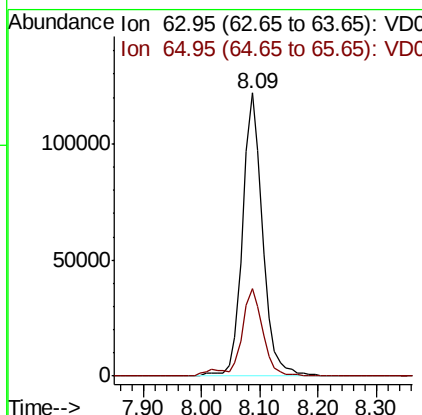
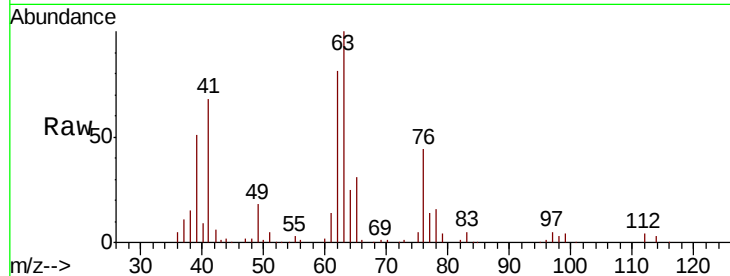




#45
 1,2-Dichloropropane
 Concen: 20.921 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VD060170.D
 Acq: 10 Oct 2018 12:46

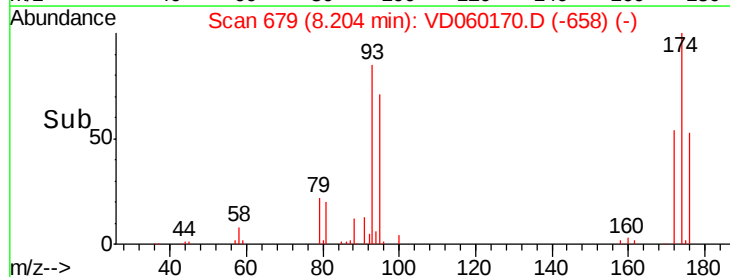
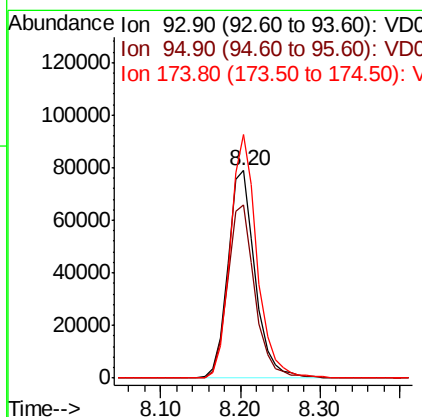
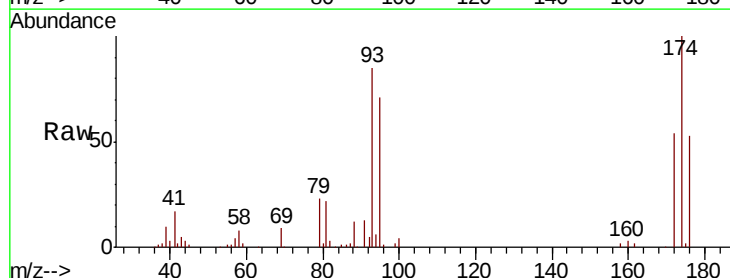
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBSD01

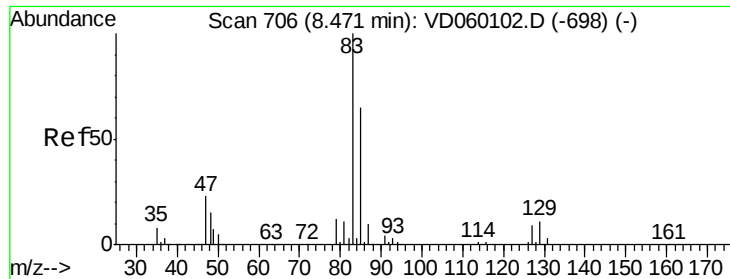
Tot Ion: 63 Resp: 293205
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.1 36.1



#46
 Dibromomethane
 Concen: 20.745 ug/l
 RT: 8.20 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VD060170.D
 Acq: 10 Oct 2018 12:46

Tgt Ion: 93 Resp: 188232
 Ion Ratio Lower Upper
 93 100
 95 83.3 63.8 95.6
 174 117.3 92.9 139.3





#47

Bromodichloromethane

Concen: 21.173 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

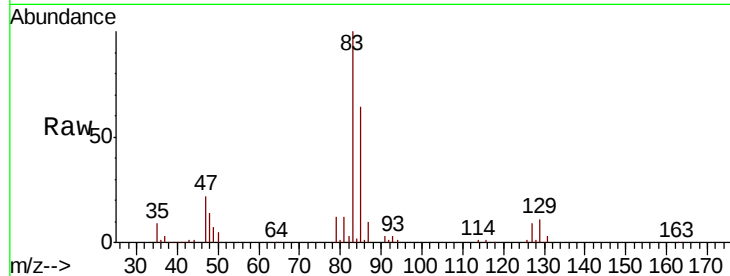
Tot Ion: 83 Resp: 409344

Ion Ratio Lower Upper

83 100

85 64.0 52.2 78.2

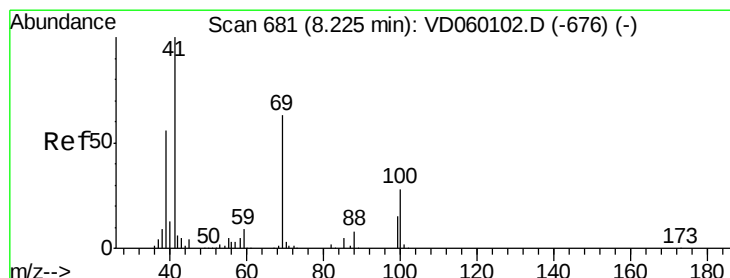
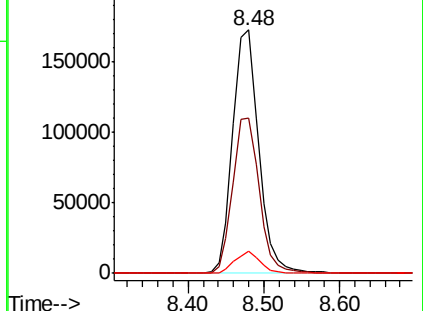
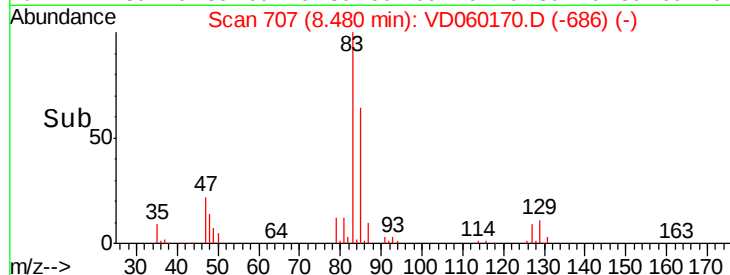
127 9.1 7.4 11.0



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: 21.055 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

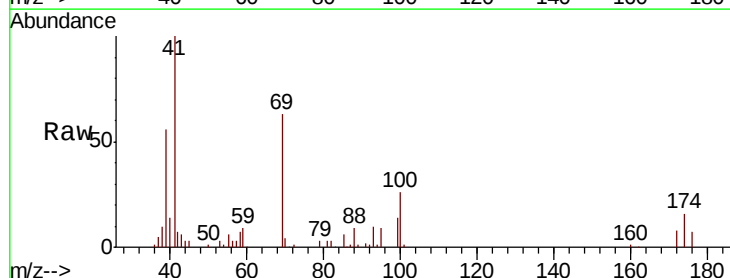
Tgt Ion: 41 Resp: 214266

Ion Ratio Lower Upper

41 100

69 63.0 49.7 74.5

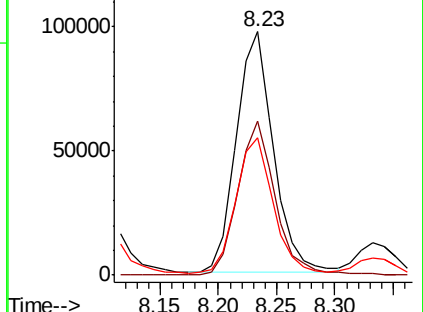
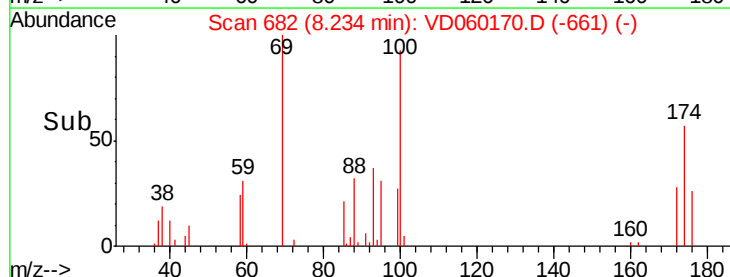
39 56.3 45.2 67.8

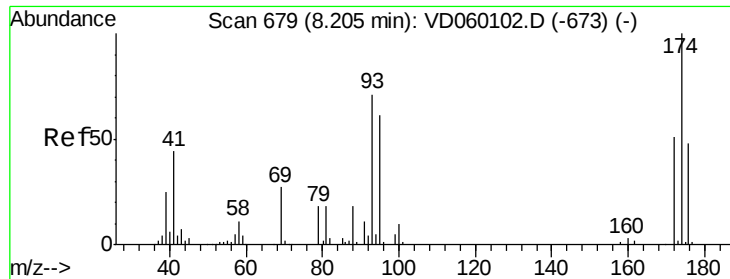


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

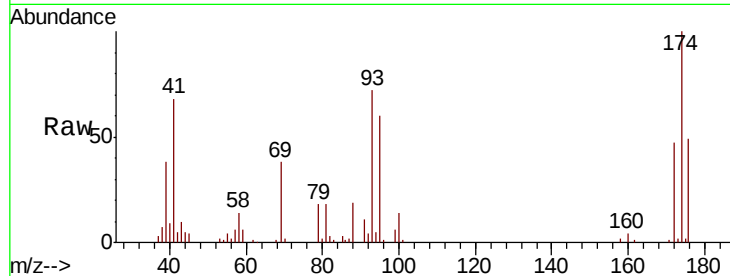




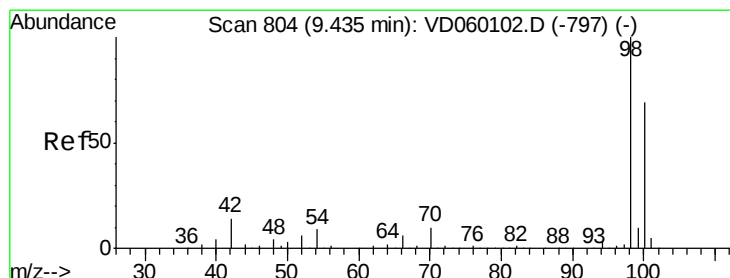
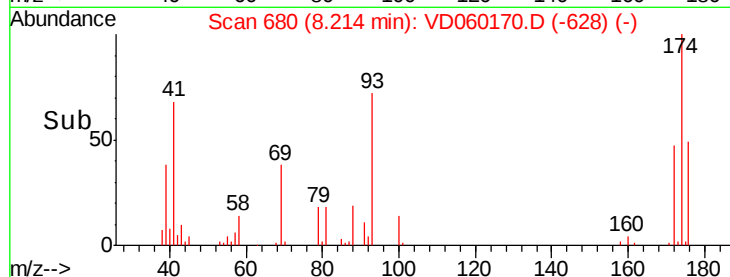
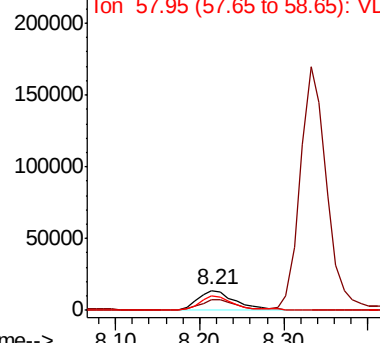
#49
1,4-Dioxane
Concen: 427.393 ug/l
RT: 8.21 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion: 88 Resp: 42795
Ion Ratio Lower Upper
88 100
43 51.9 33.7 50.5#
58 75.3 49.1 73.7#

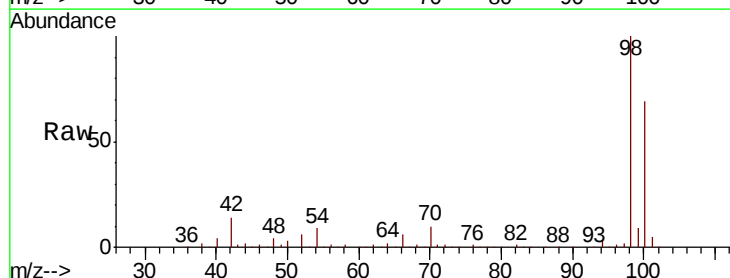


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

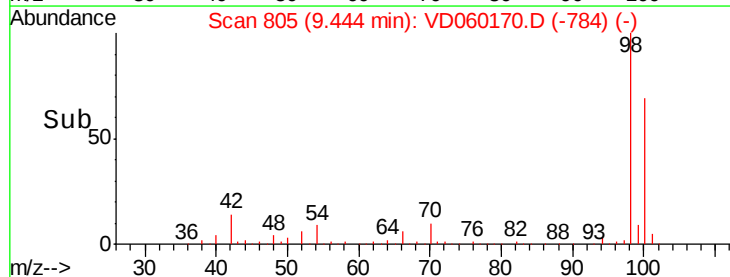
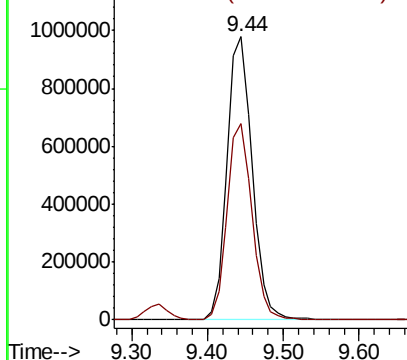


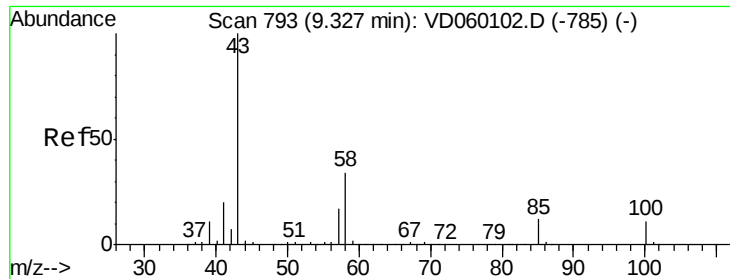
#50
Toluene-d8
Concen: 427.393 ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion: 98 Resp: 2244546
Ion Ratio Lower Upper
98 100
100 69.2 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 107.105 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

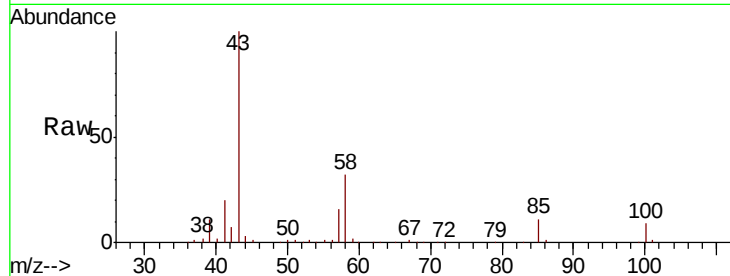
VD1010SBS01

Tot Ion: 43 Resp: 1206920

Ion Ratio Lower Upper

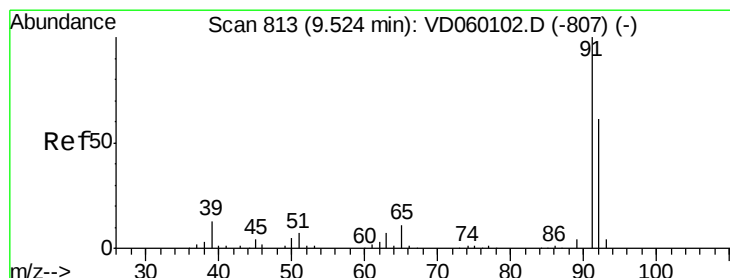
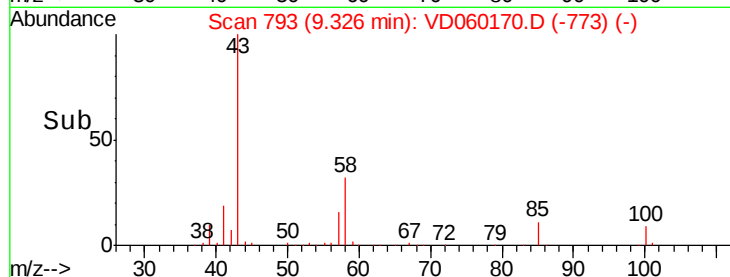
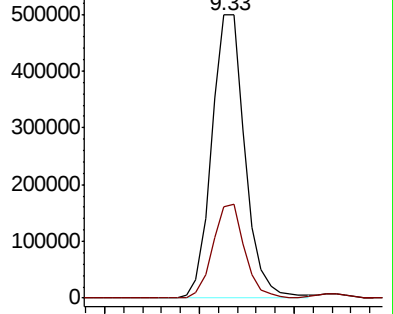
43 100

58 32.2 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.912 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060170.D

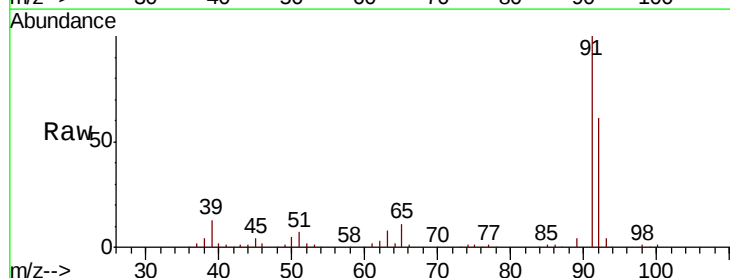
Acq: 10 Oct 2018 12:46

Tgt Ion: 92 Resp: 720859

Ion Ratio Lower Upper

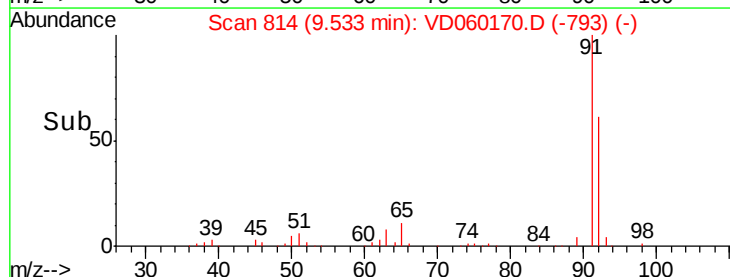
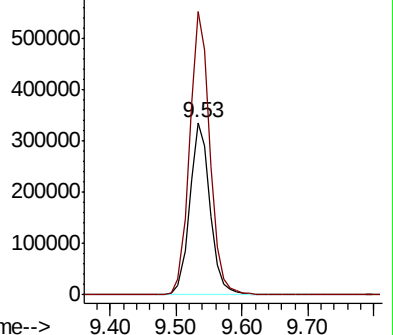
92 100

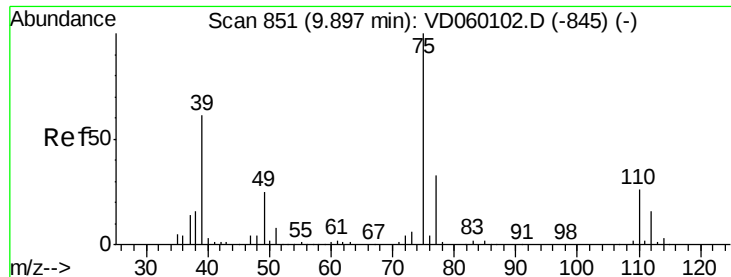
91 164.0 131.9 197.9



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: 21.244 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

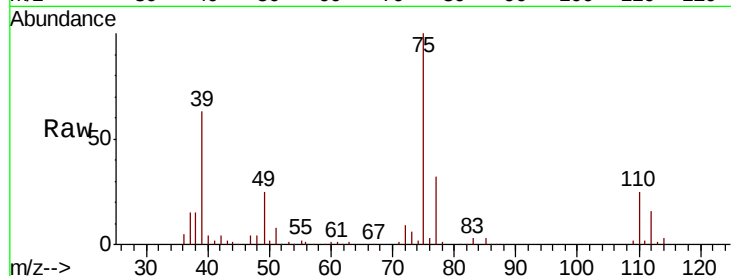
VD1010SBSD01

Tot Ion: 75 Resp: 371625

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.91

200000

150000

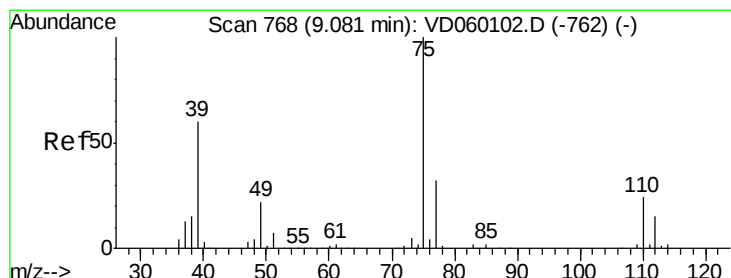
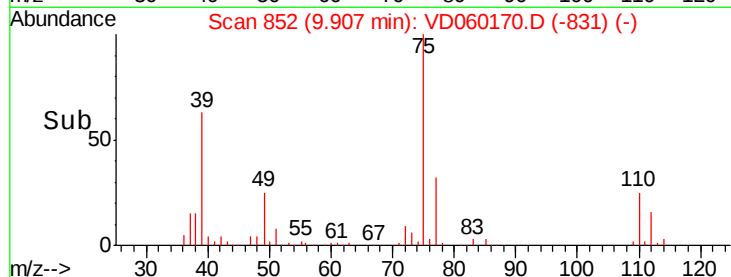
100000

50000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.332 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

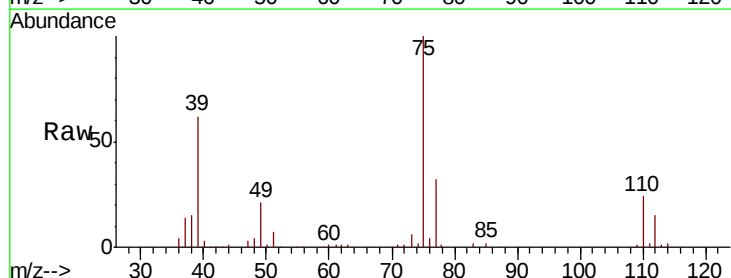
Tgt Ion: 75 Resp: 460800

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

39 62.2 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

300000

250000

200000

150000

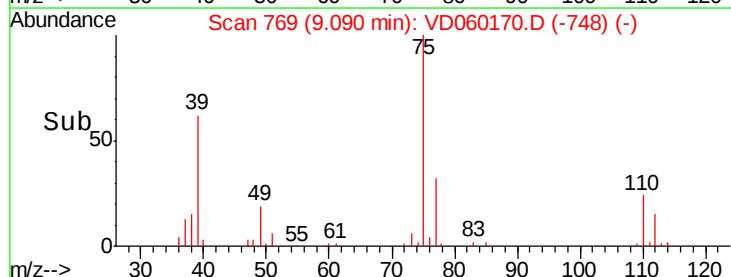
100000

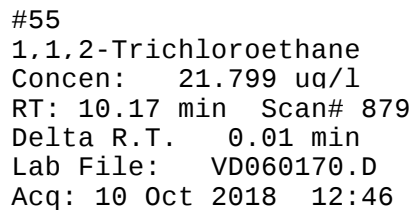
50000

0

9.00 9.10 9.20 9.30

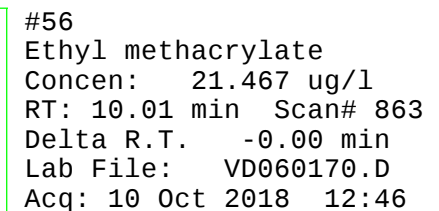
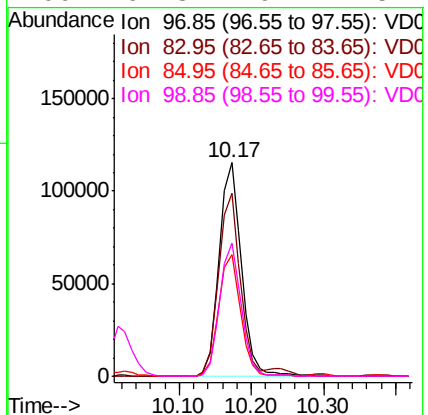
Time-->



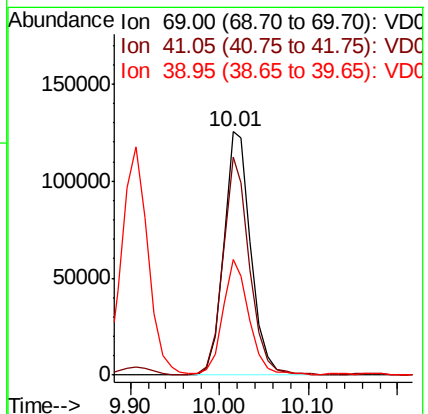


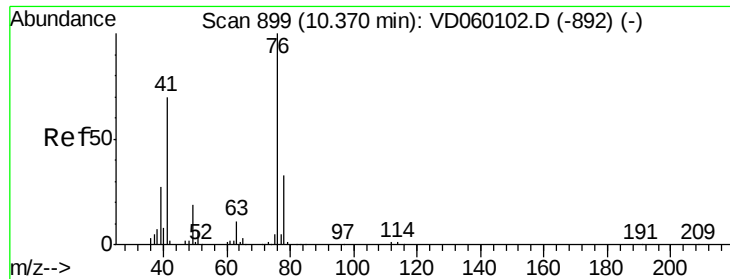
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tat	Ion: 97	Resp:	245659
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.0	100.6
85	56.8	43.9	65.9
99	62.3	49.1	73.7



Tgt	Ion: 69	Resp:	267037
Ion	Ratio	Lower	Upper
69	100		
41	89.4	66.6	100.0
39	47.6	36.0	54.0

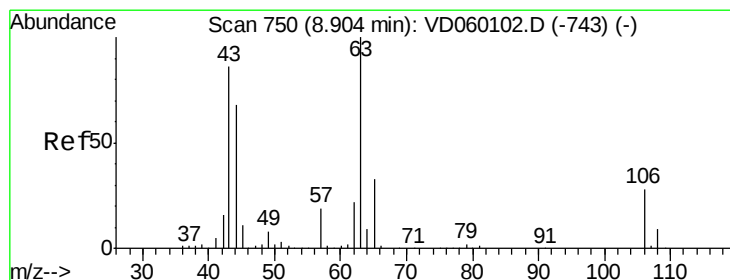
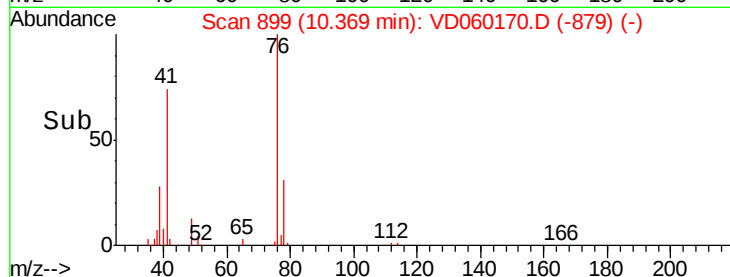
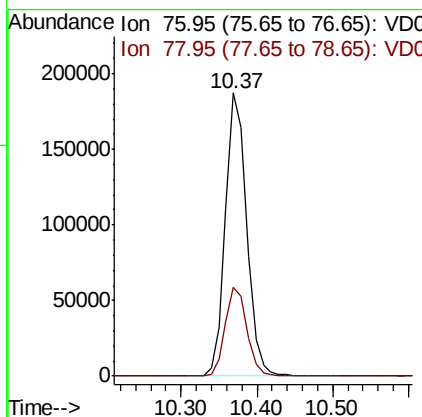
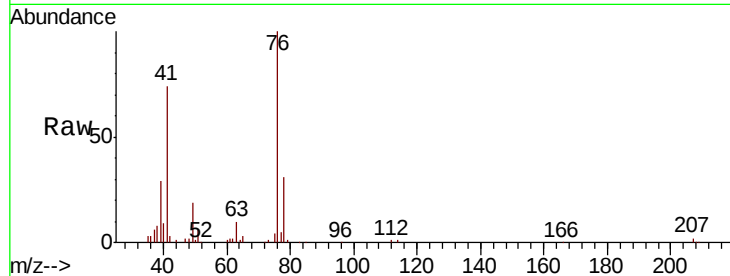




#57
 1,3-Dichloropropane
 Concen: 21.187 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD060170.D
 Acq: 10 Oct 2018 12:46

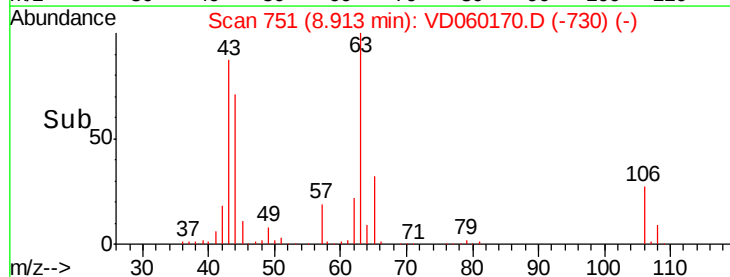
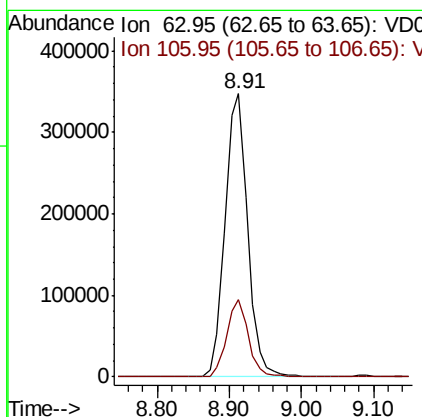
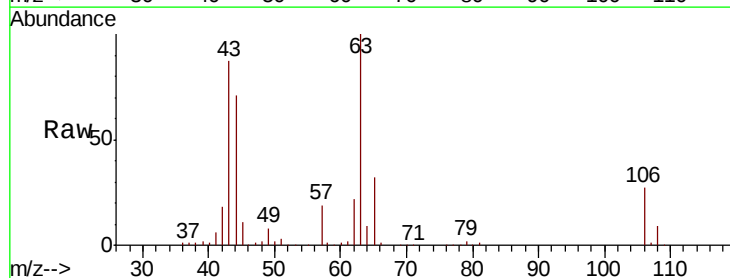
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBSD01

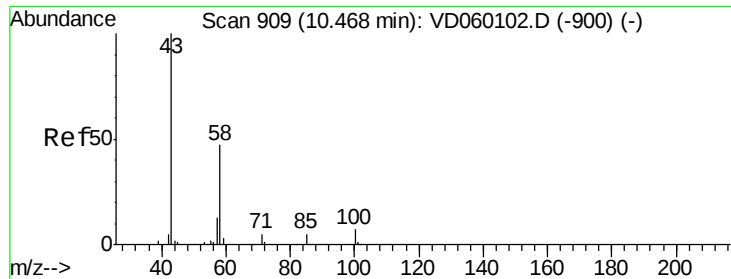
Tot Ion: 76 Resp: 364136
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.355 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060170.D
 Acq: 10 Oct 2018 12:46

Tgt Ion: 63 Resp: 755403
 Ion Ratio Lower Upper
 63 100
 106 27.4 22.6 34.0

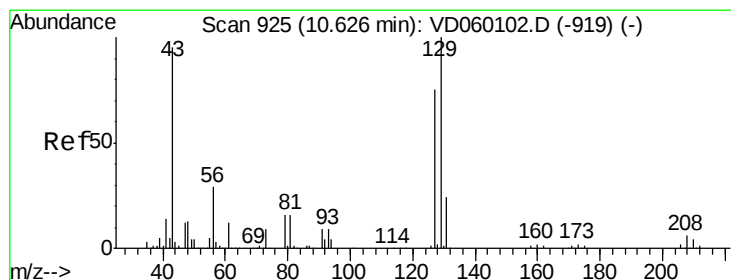
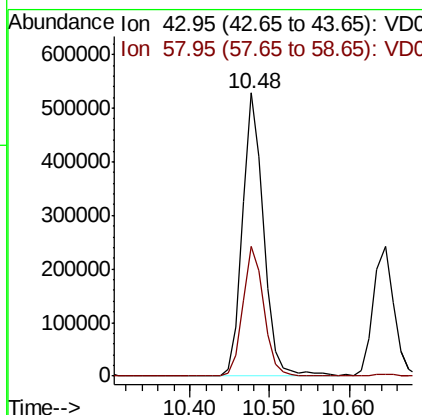
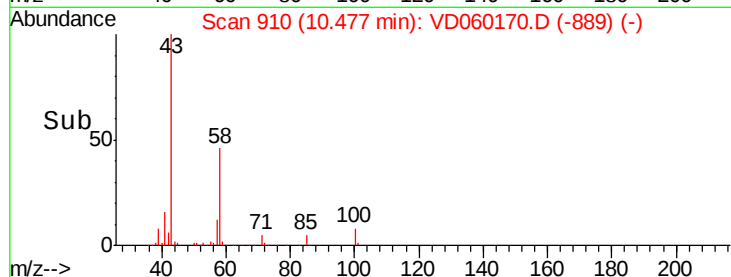
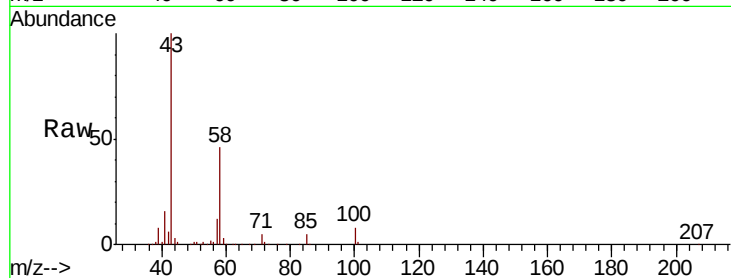




#59
2-Hexanone
Concen: 119.425 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

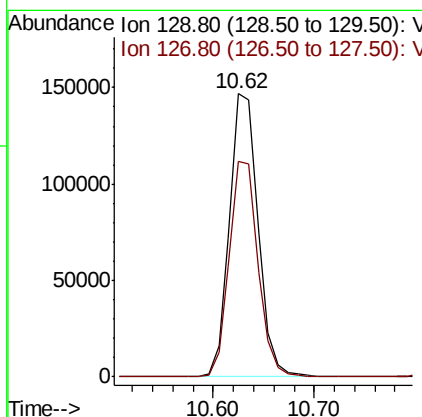
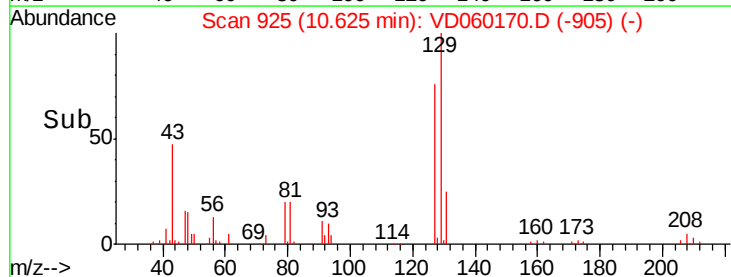
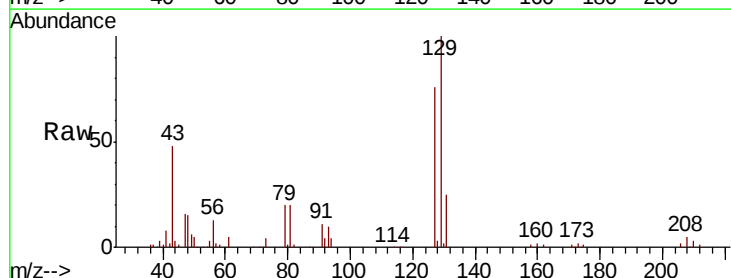
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

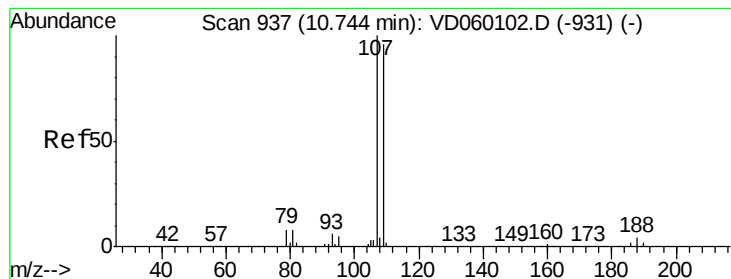
Tot Ion: 43 Resp: 967697
Ion Ratio Lower Upper
43 100
58 45.9 23.3 69.9



#60
Dibromochloromethane
Concen: 20.909 ug/l
RT: 10.62 min Scan# 925
Delta R.T. -0.00 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion: 129 Resp: 289103
Ion Ratio Lower Upper
129 100
127 75.9 37.4 112.2





#61

1,2-Dibromoethane

Concen: 20.846 ug/l

RT: 10.75 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

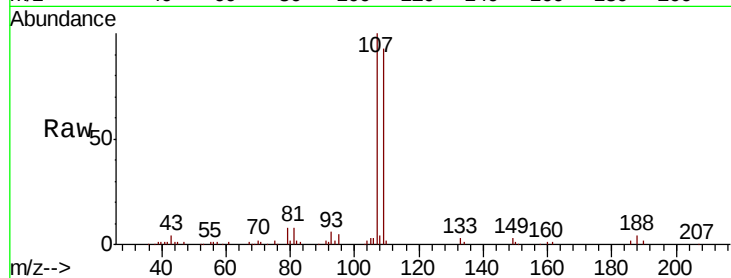
VD1010SBSD01

Tot Ion:107 Resp: 249607

Ion Ratio Lower Upper

107 100

109 93.2 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

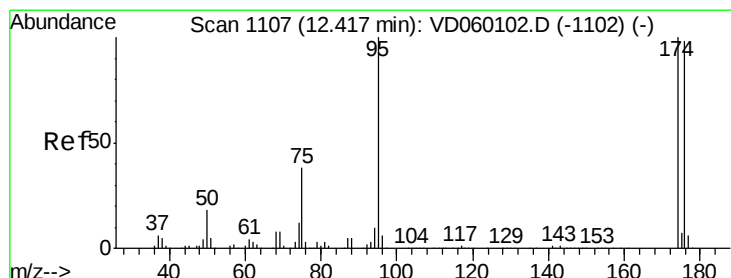
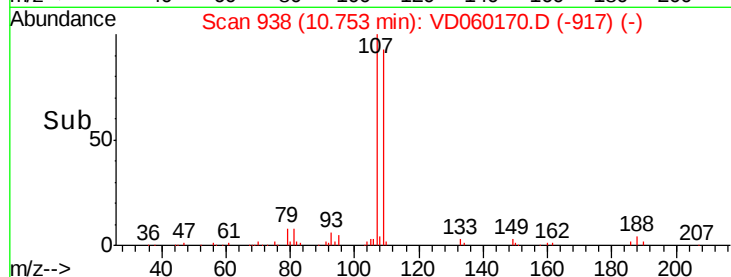
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.846 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

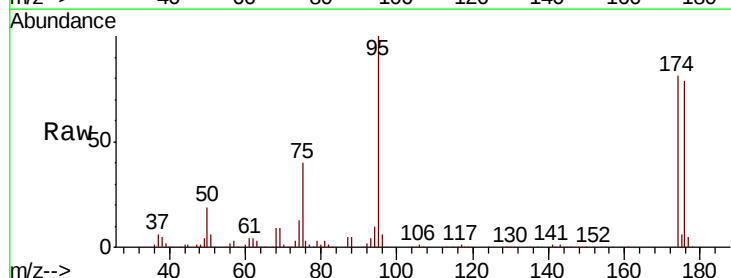
Tgt Ion: 95 Resp: 890969

Ion Ratio Lower Upper

95 100

174 80.9 0.0 200.2

176 78.6 0.0 195.6



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

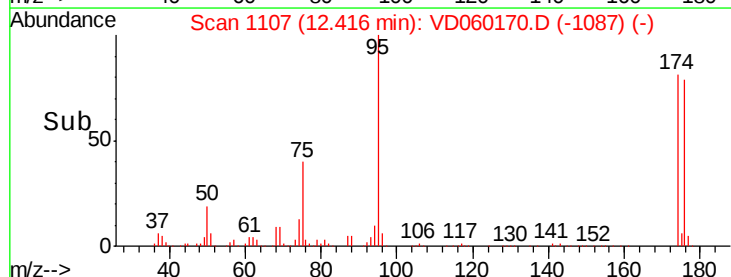
600000

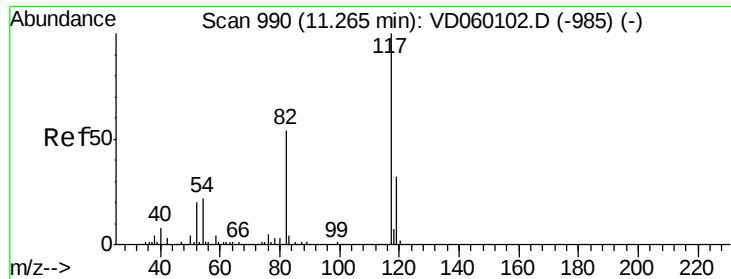
400000

200000

0

Time-->

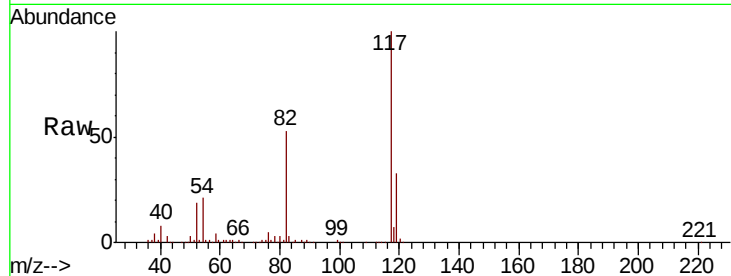




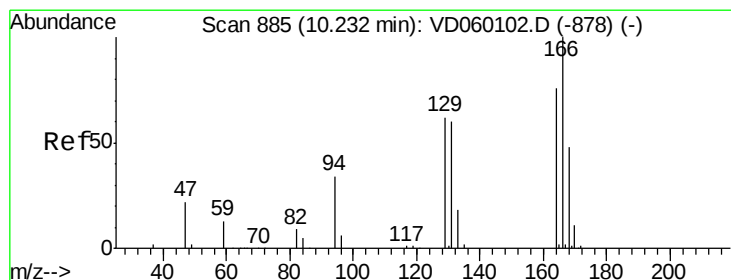
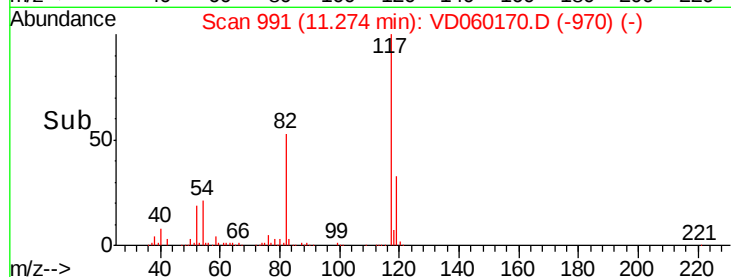
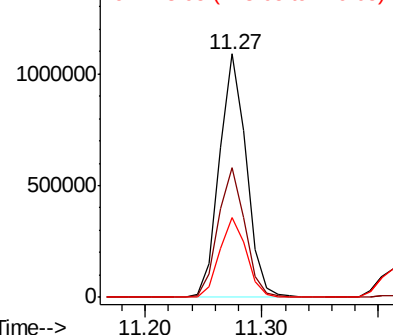
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion:117 Resp: 1740090
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.2
119 32.9 26.0 39.0

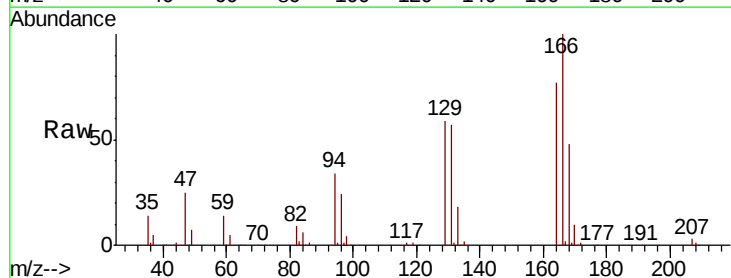


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

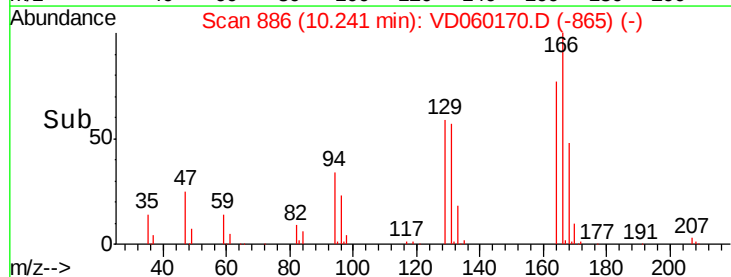
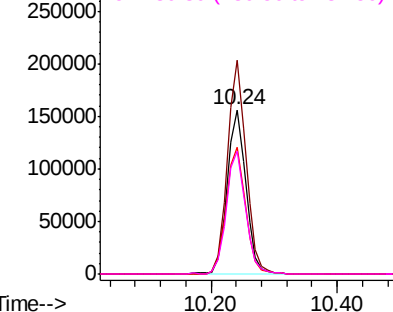


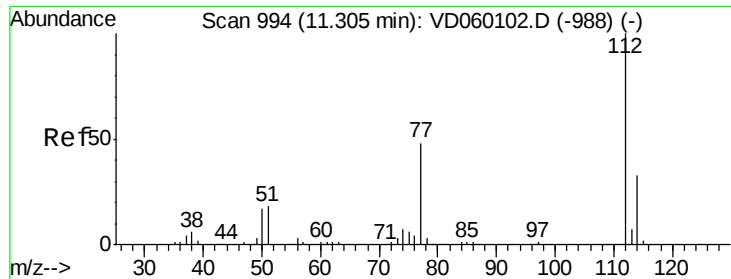
#64
Tetrachloroethene
Concen: 20.860 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion:164 Resp: 317923
Ion Ratio Lower Upper
164 100
166 130.2 105.4 158.0
129 77.0 65.7 98.5
131 74.6 62.9 94.3



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

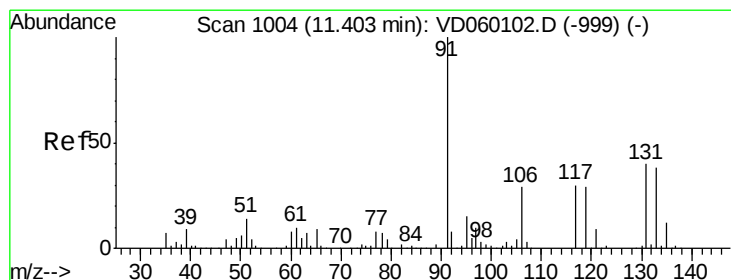
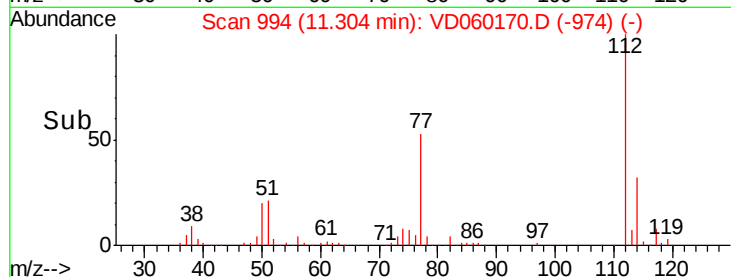
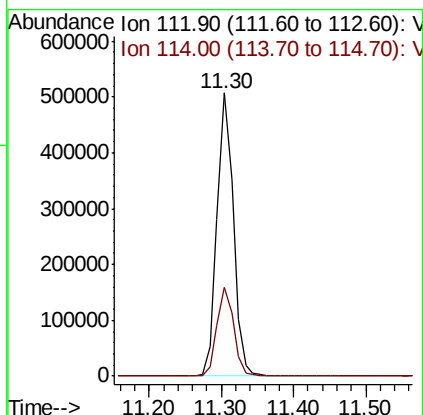
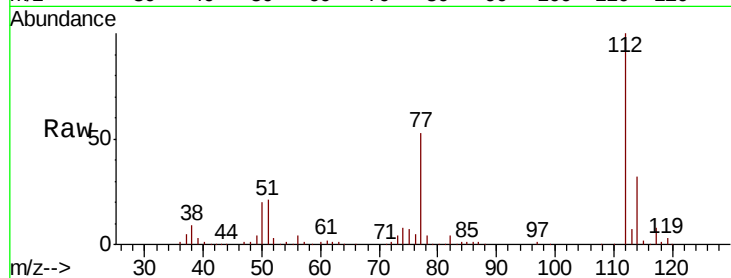




#65
Chlorobenzene
Concen: 20.920 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

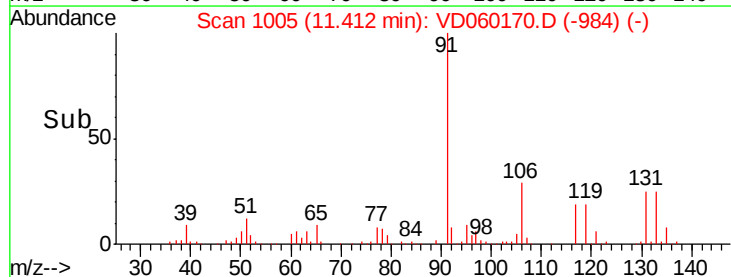
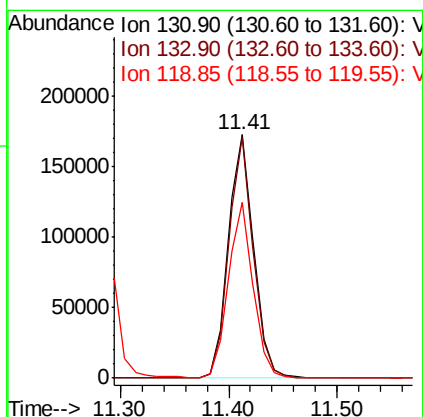
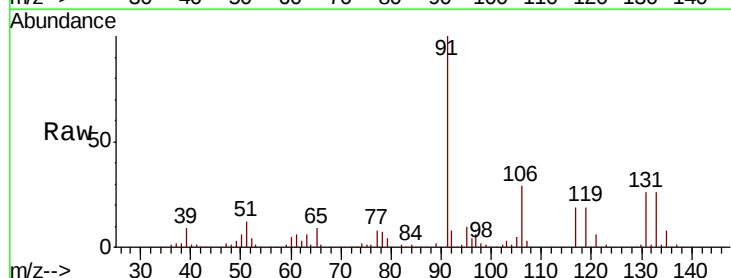
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion:112 Resp: 787525
Ion Ratio Lower Upper
112 100
114 31.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.405 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion:131 Resp: 281373
Ion Ratio Lower Upper
131 100
133 98.8 47.4 142.3
119 72.4 36.1 108.3

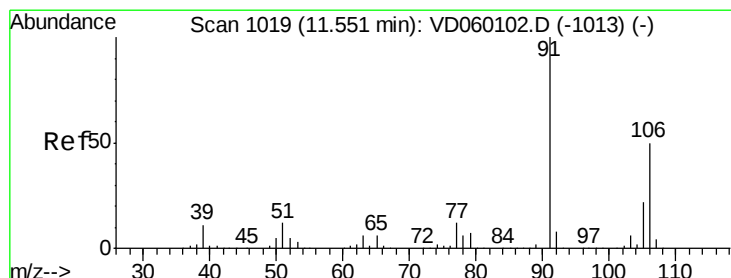
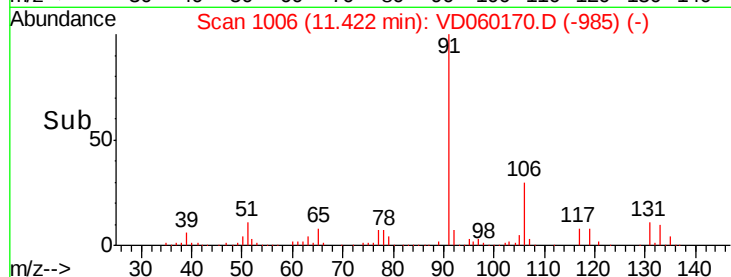
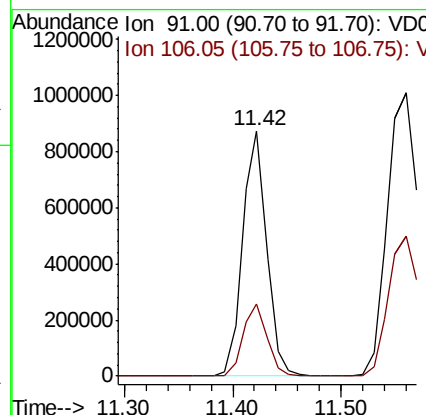
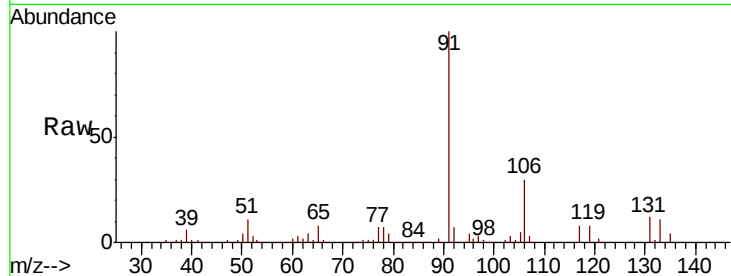




#67
Ethyl Benzene
Concen: 22.067 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

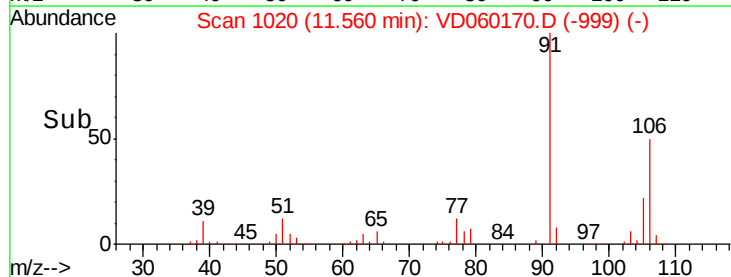
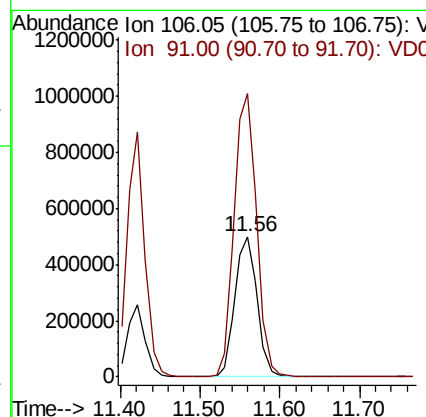
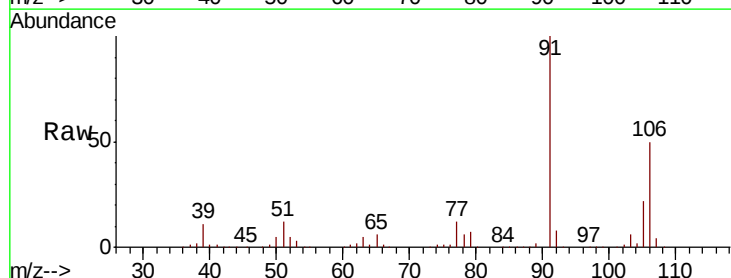
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

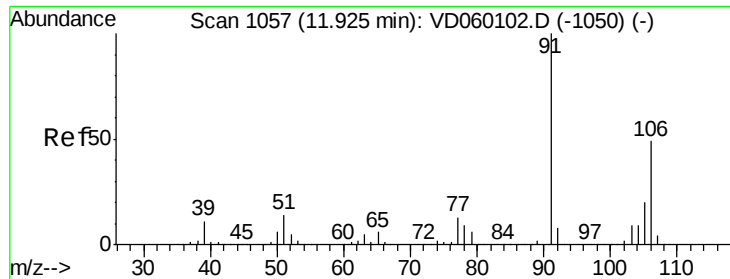
Tot Ion: 91 Resp: 1345911
Ion Ratio Lower Upper
91 100
106 29.7 24.4 36.6



#68
m/p-Xylenes
Concen: 42.829 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion: 106 Resp: 975999
Ion Ratio Lower Upper
106 100
91 201.8 160.0 240.0

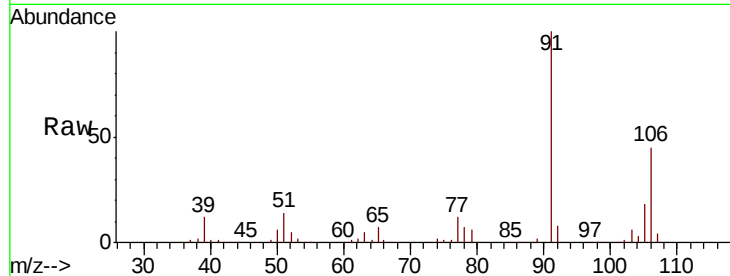




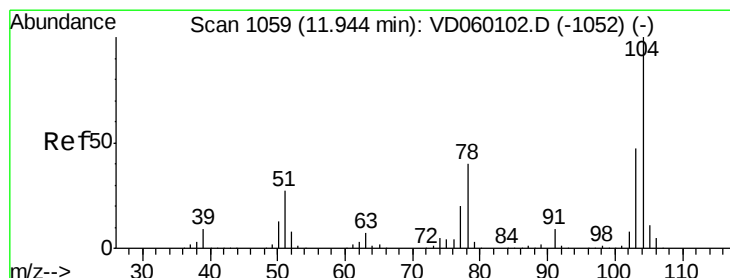
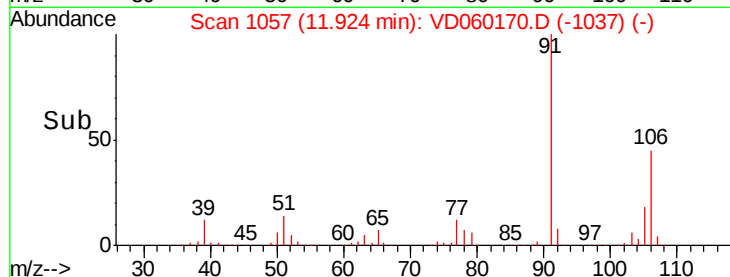
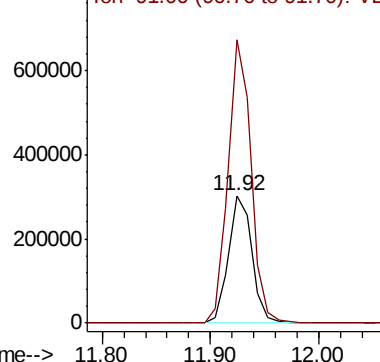
#69
o-Xylene
Concen: 20.433 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.00 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion:106 Resp: 460573
Ion Ratio Lower Upper
106 100
91 221.9 102.5 307.5

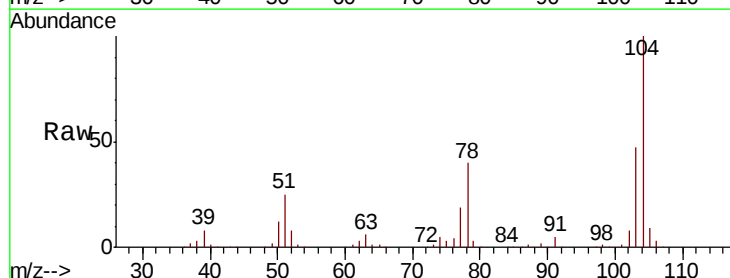


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

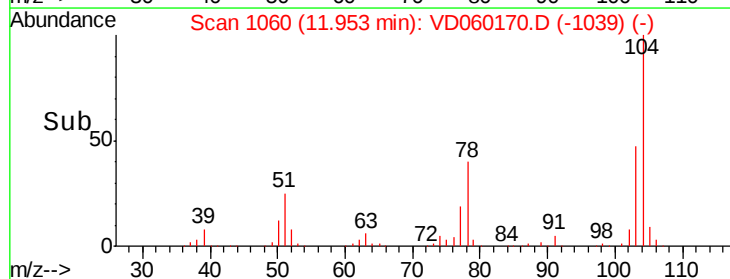
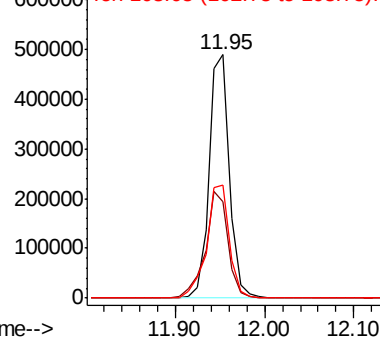


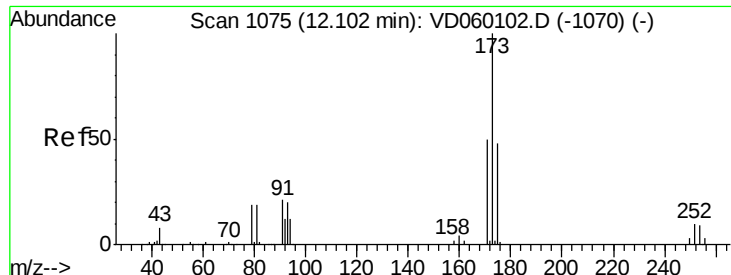
#70
Styrene
Concen: 20.657 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion:104 Resp: 778660
Ion Ratio Lower Upper
104 100
78 39.6 32.2 48.4
103 46.6 37.4 56.0



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: 20.482 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

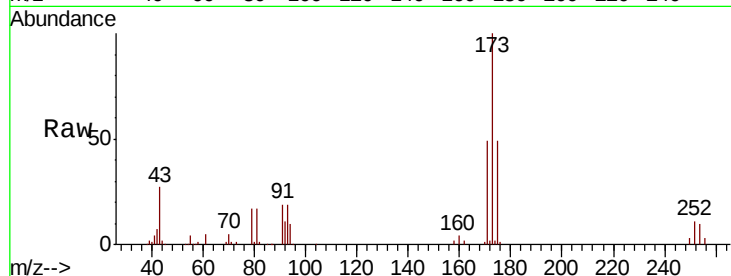
Tot Ion:173 Resp: 208283

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.4

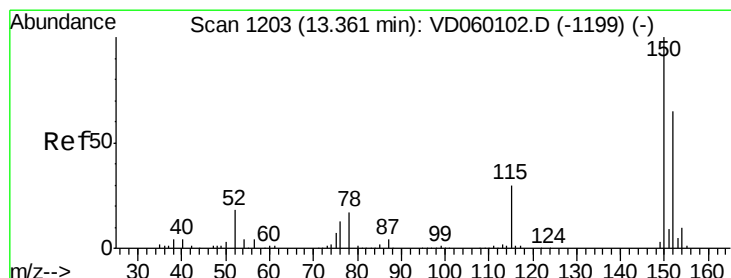
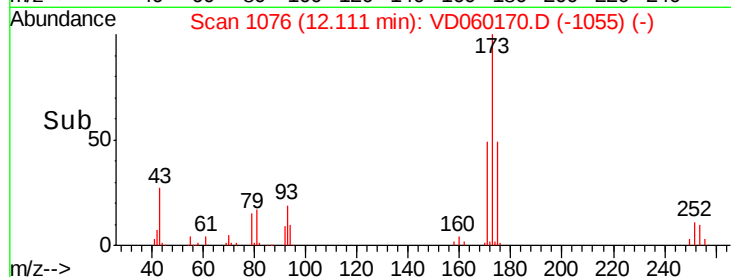
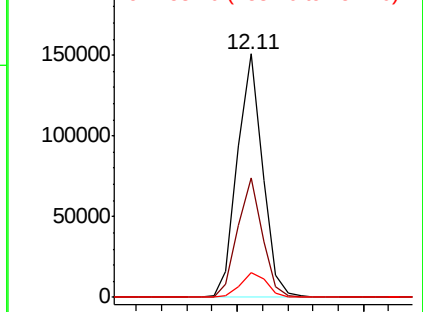
254 10.2 7.4 11.0



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# 1204

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

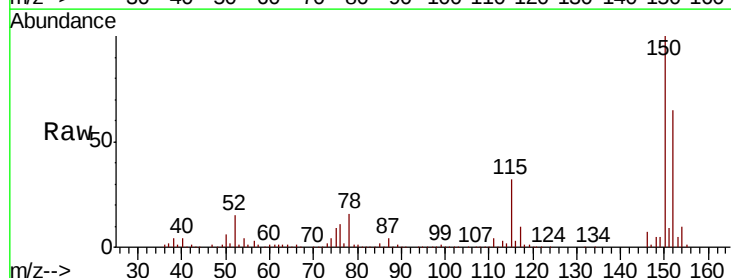
Tgt Ion:152 Resp: 941928

Ion Ratio Lower Upper

152 100

115 48.7 27.1 81.2

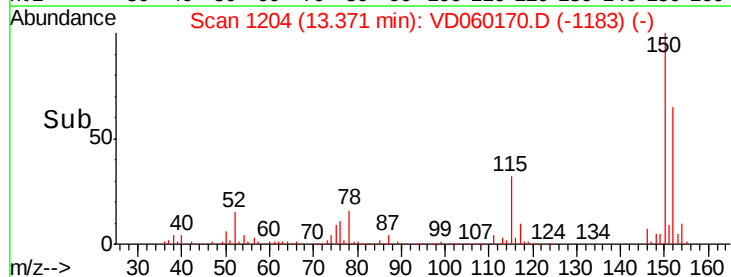
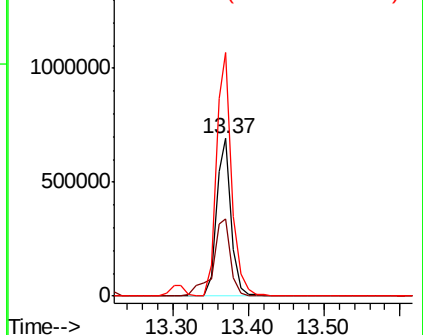
150 154.6 0.0 311.8

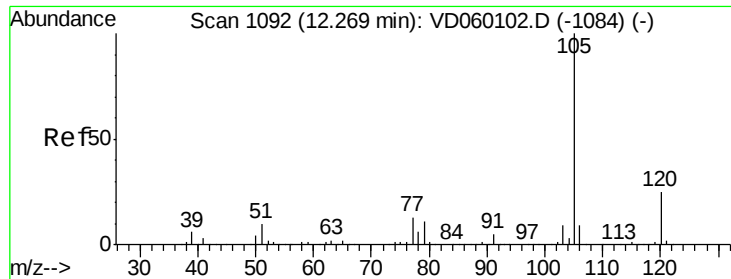


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.682 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

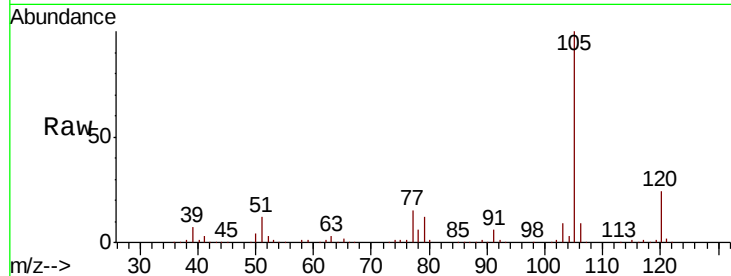
VD1010SBSD01

Tot Ion:105 Resp: 1285176

Ion Ratio Lower Upper

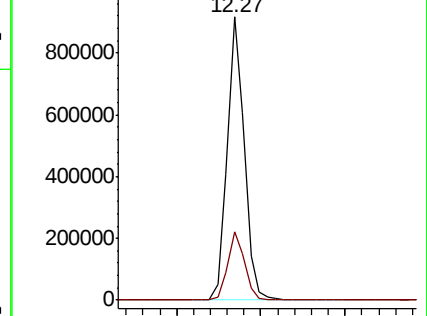
105 100

120 24.3 12.6 37.6

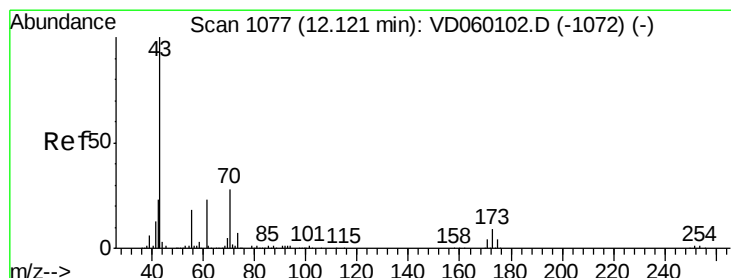
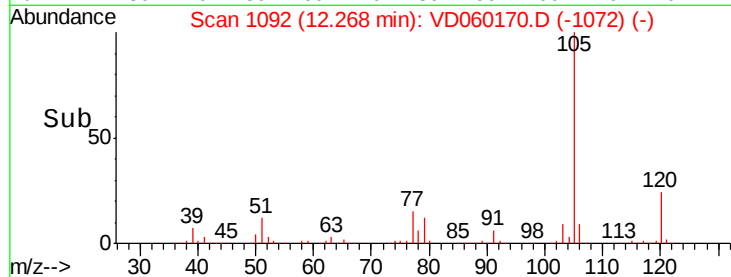


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 21.419 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Tgt Ion: 43 Resp: 487536

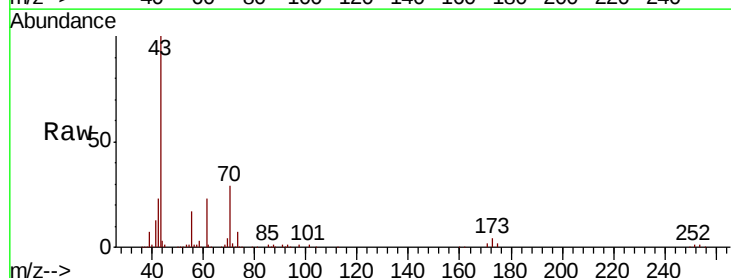
Ion Ratio Lower Upper

43 100

70 29.1 22.1 33.1

55 17.2 14.1 21.1

61 22.8 18.4 27.6

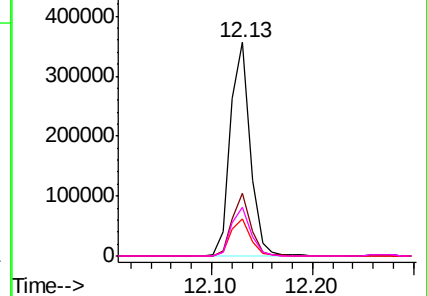


Abundance Ion 42.95 (42.65 to 43.65): VDC

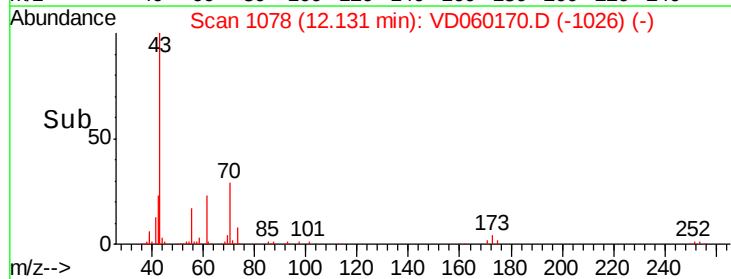
Ion 70.00 (69.70 to 70.70): VDC

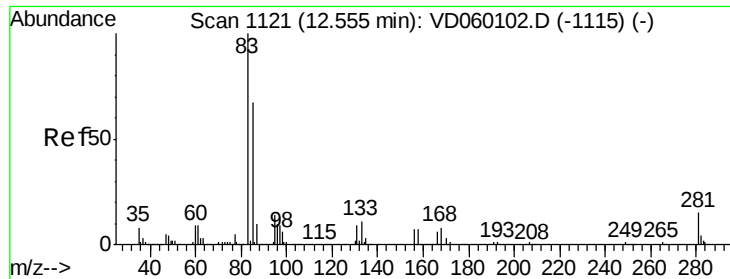
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.051 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBS01

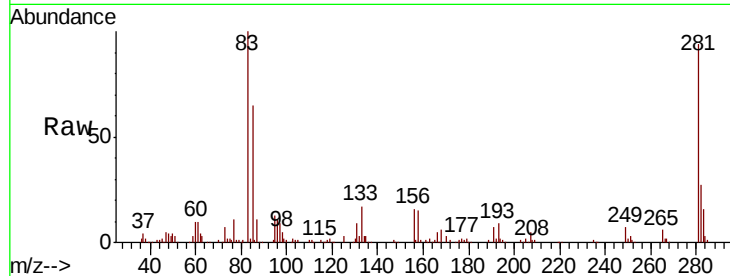
Tot Ion: 83 Resp: 285585

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.4

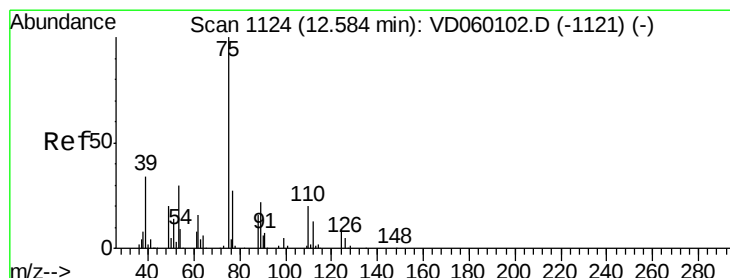
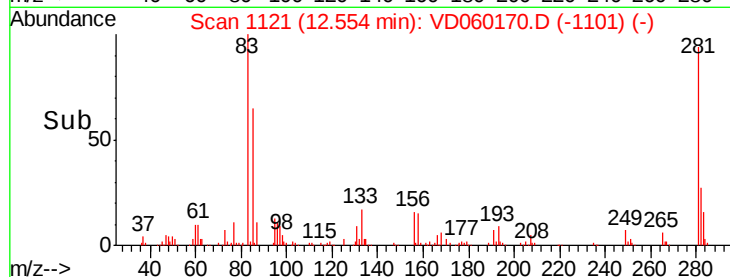
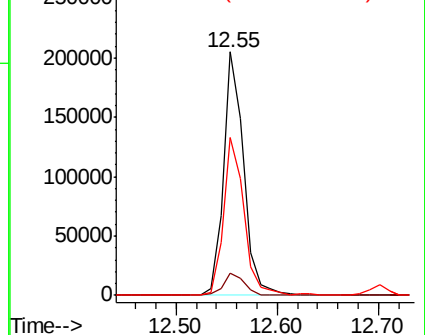
85 64.7 33.3 99.9



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: 20.624 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060170.D

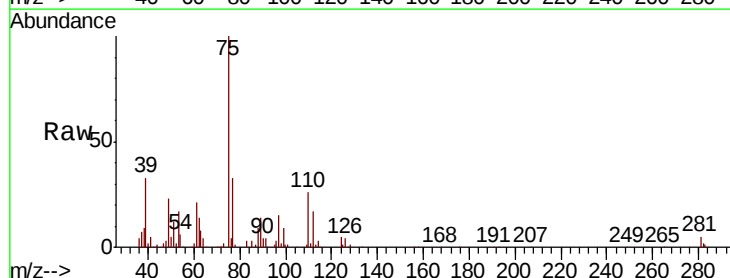
Acq: 10 Oct 2018 12:46

Tgt Ion: 75 Resp: 279769

Ion Ratio Lower Upper

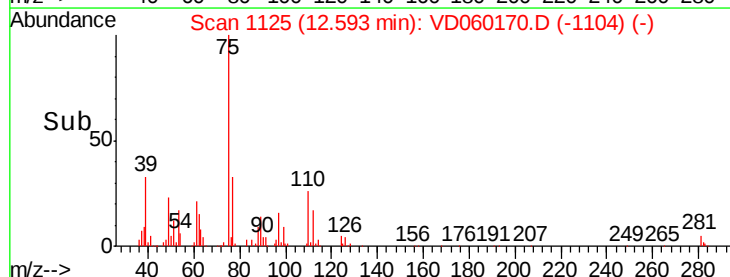
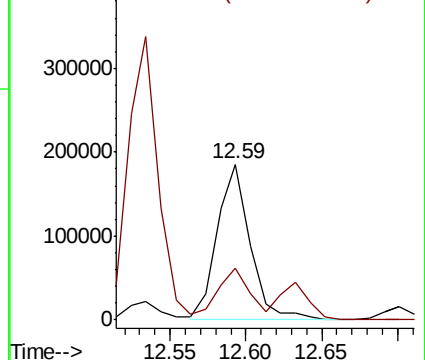
75 100

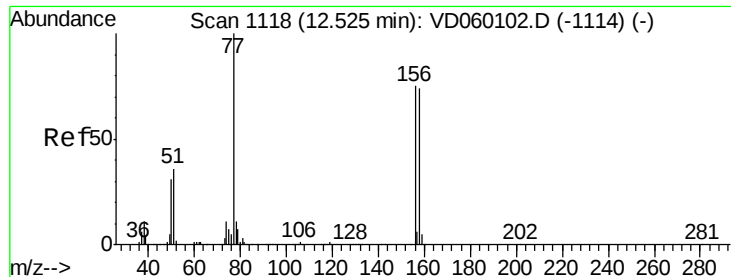
77 33.3 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.881 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBSD01

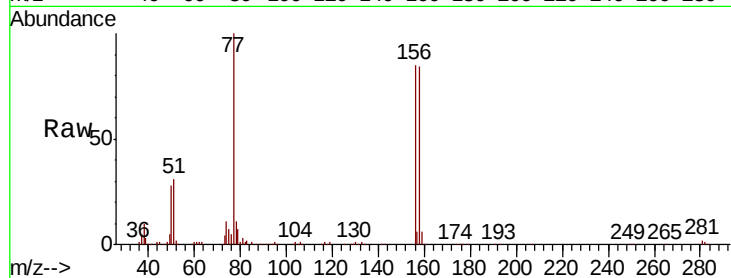
Tot Ion:156 Resp: 377063

Ion Ratio Lower Upper

156 100

77 117.6 66.9 200.7

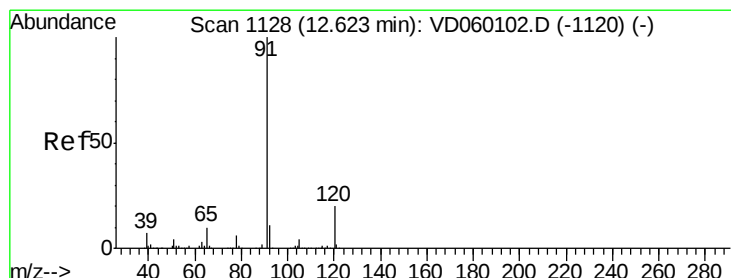
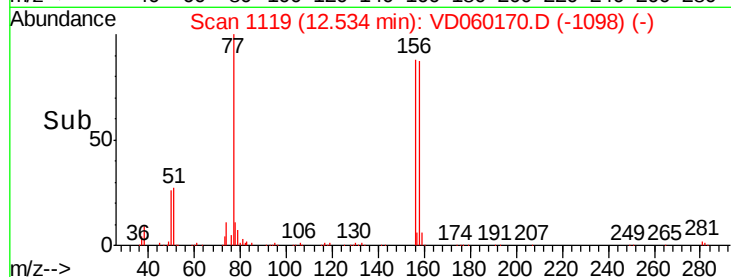
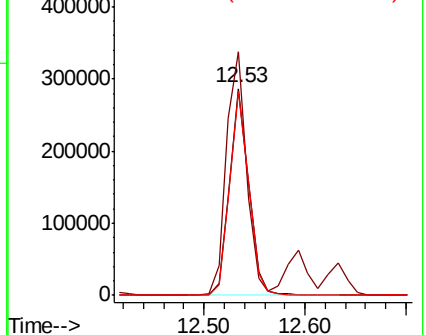
158 98.4 49.1 147.4



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: 21.422 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060170.D

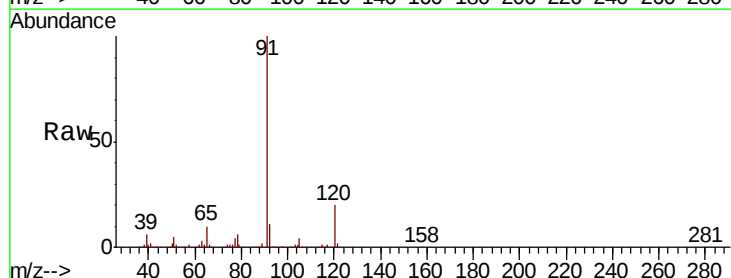
Acq: 10 Oct 2018 12:46

Tgt Ion: 91 Resp: 1652890

Ion Ratio Lower Upper

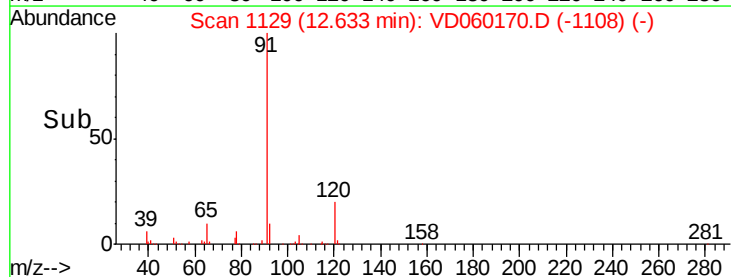
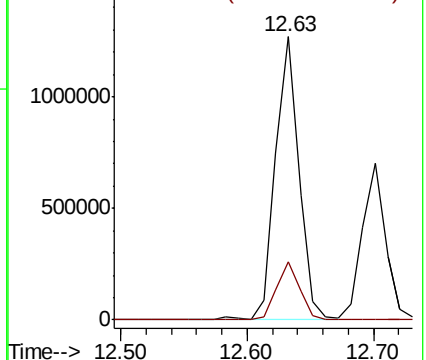
91 100

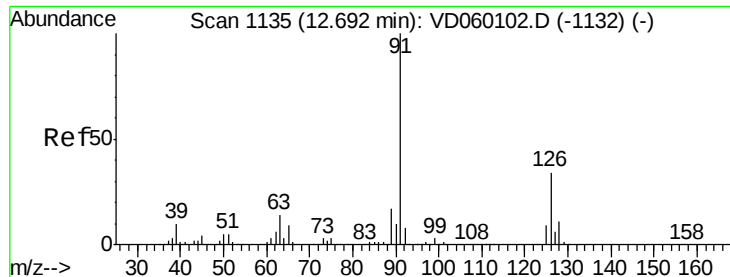
120 20.3 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.018 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

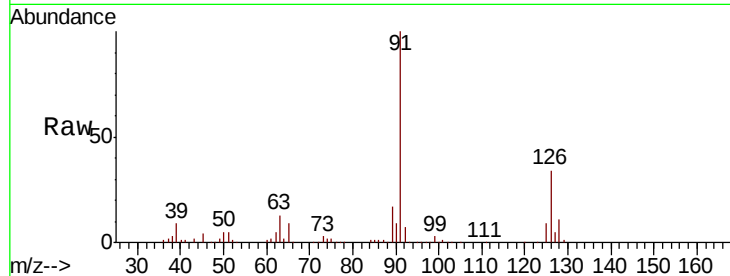
VD1010SBSD01

Tot Ion: 91 Resp: 900070

Ion Ratio Lower Upper

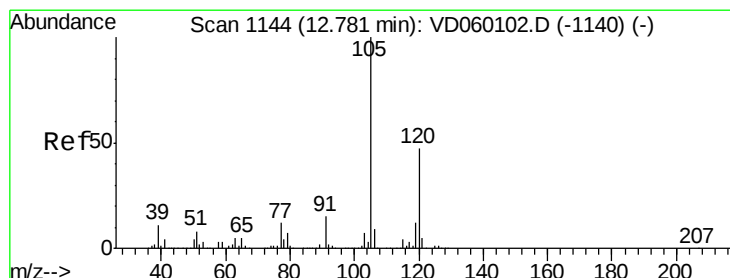
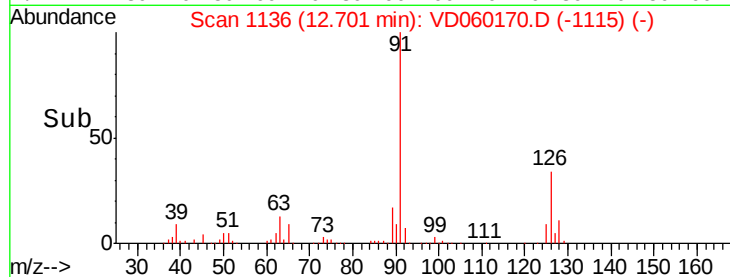
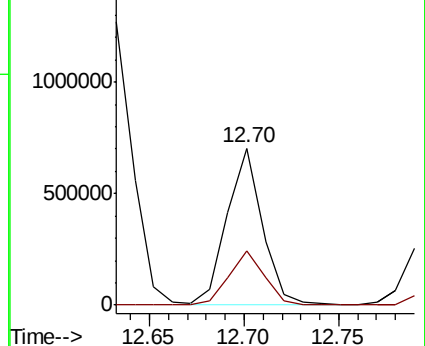
91 100

126 34.5 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.017 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060170.D

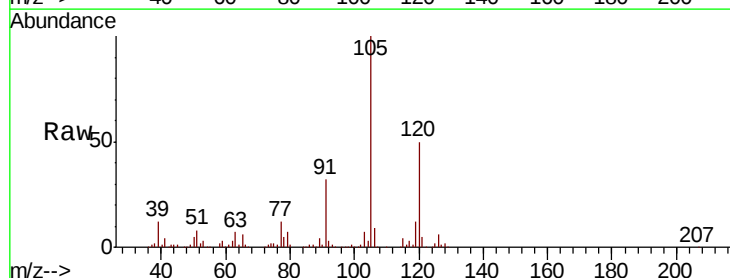
Acq: 10 Oct 2018 12:46

Tgt Ion:105 Resp: 1058906

Ion Ratio Lower Upper

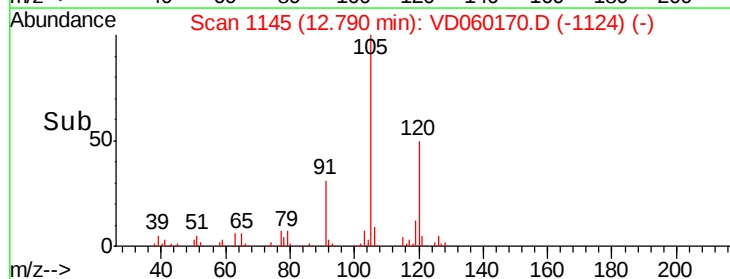
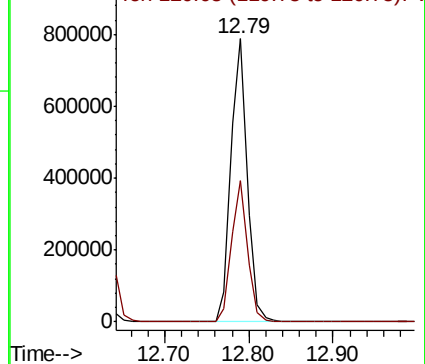
105 100

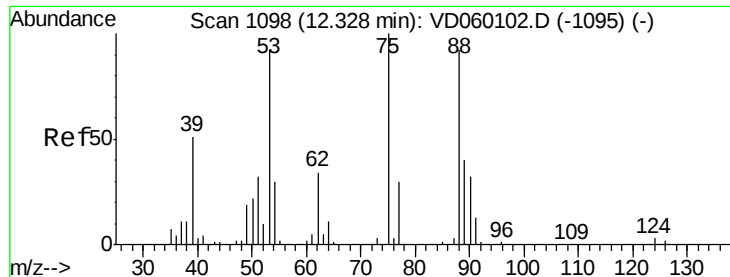
120 49.8 23.7 71.1



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: 20.691 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1010SBSD01

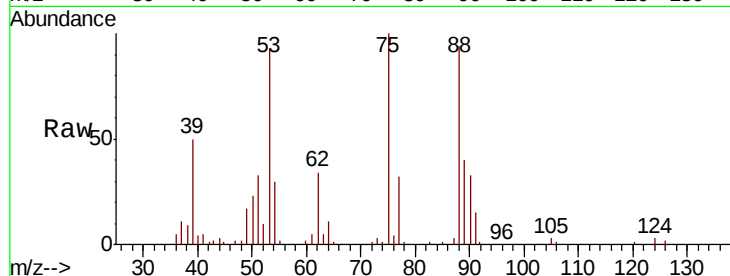
Tot Ion: 75 Resp: 78865

Ion Ratio Lower Upper

75 100

53 93.0 73.0 109.6

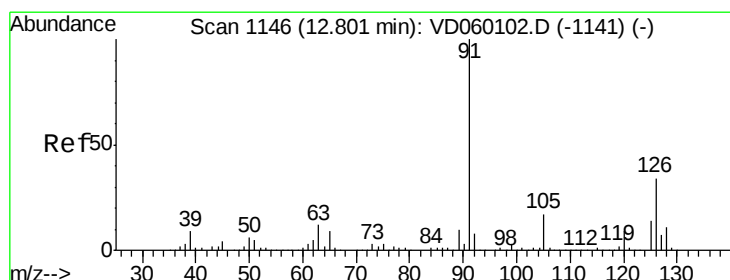
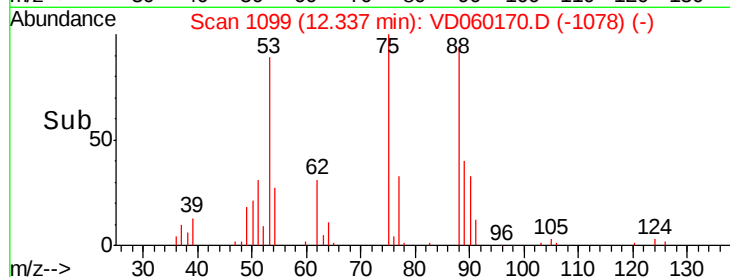
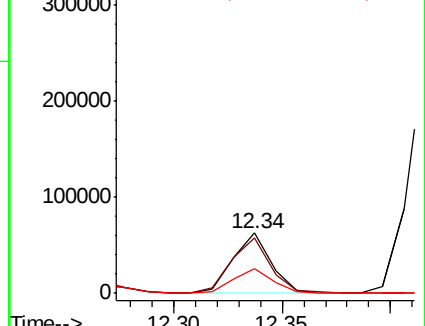
89 40.1 32.0 48.0



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: 22.210 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060170.D

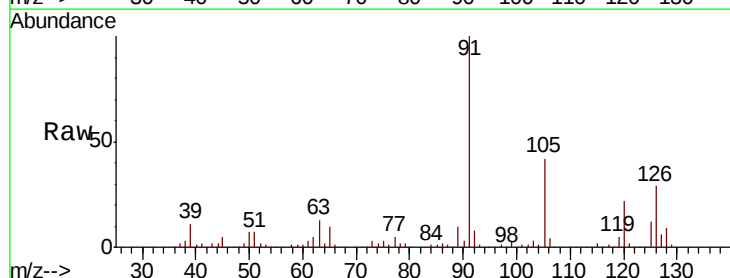
Acq: 10 Oct 2018 12:46

Tgt Ion: 91 Resp: 1075804

Ion Ratio Lower Upper

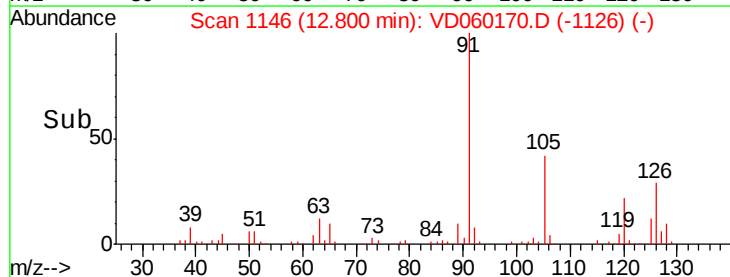
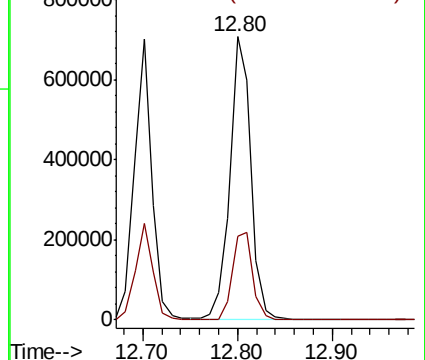
91 100

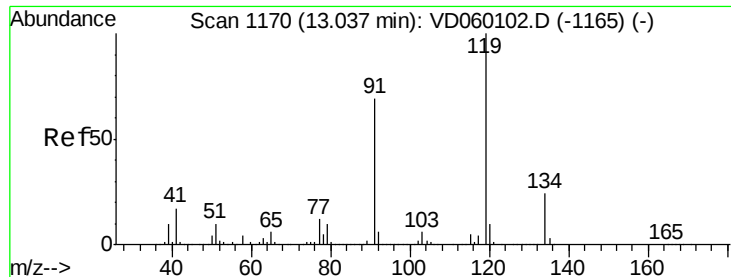
126 29.4 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

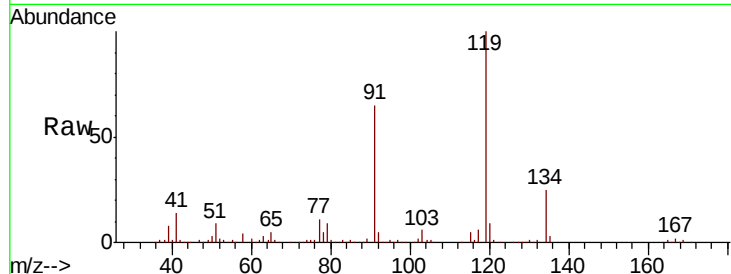




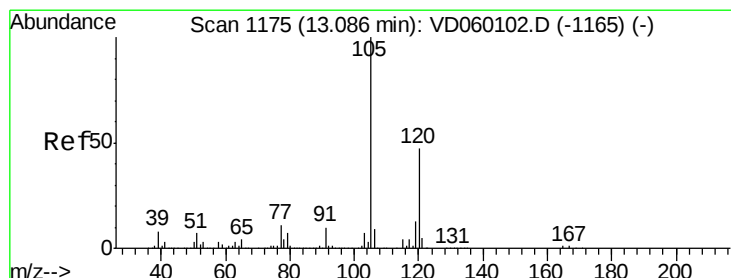
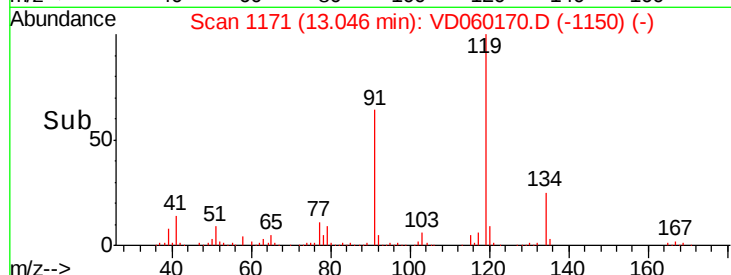
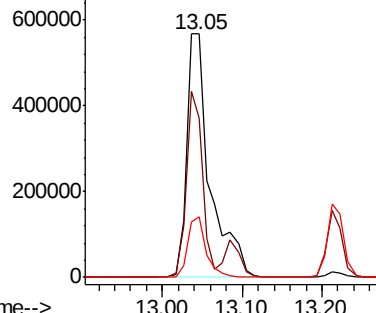
#83
tert-Butylbenzene
Concen: 21.127 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

Tot Ion:119 Resp: 1166002
Ion Ratio Lower Upper
119 100
91 65.4 34.8 104.4
134 25.1 11.8 35.4

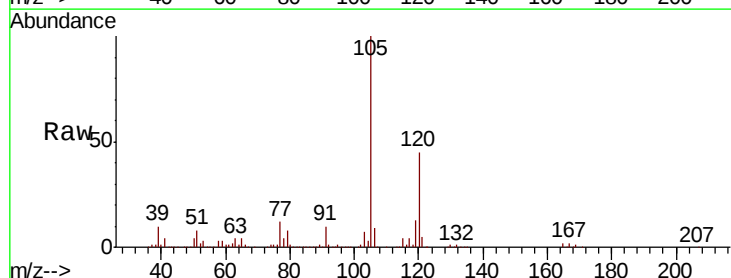


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

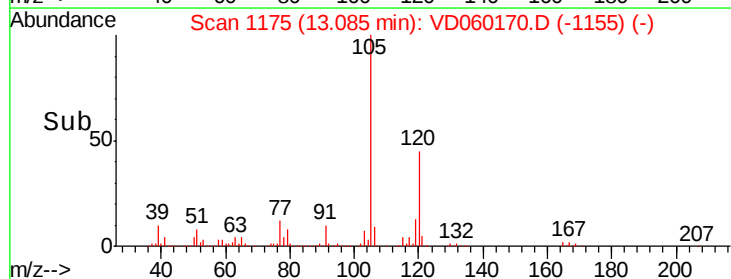
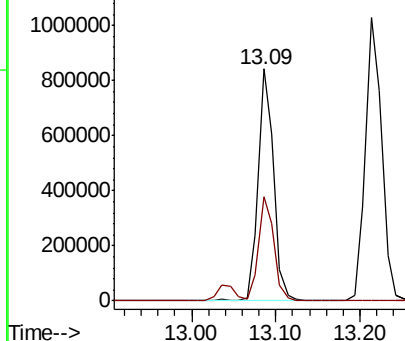


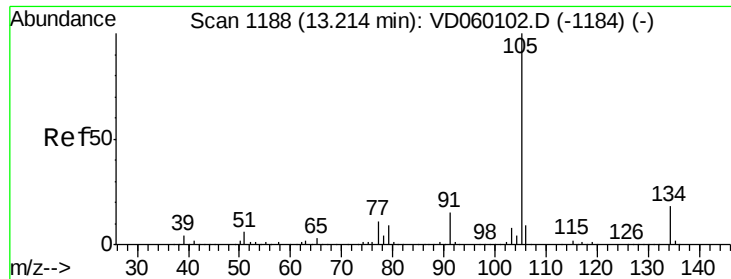
#84
1,2,4-Trimethylbenzene
Concen: 21.612 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion:105 Resp: 1095475
Ion Ratio Lower Upper
105 100
120 45.0 23.4 70.0



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





#85

sec-Butylbenzene

Concen: 21.199 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

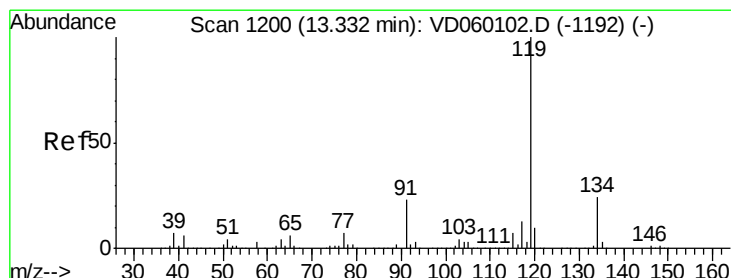
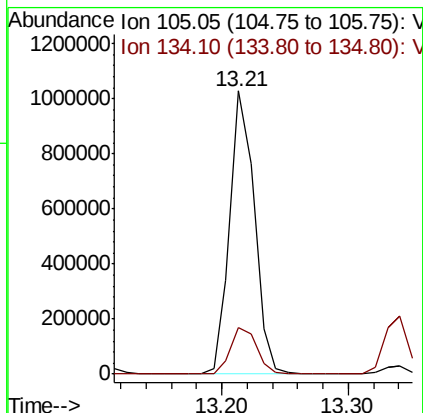
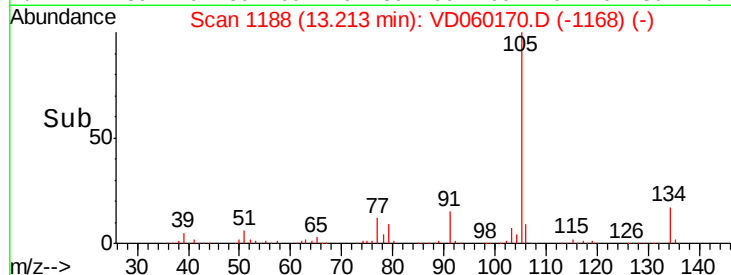
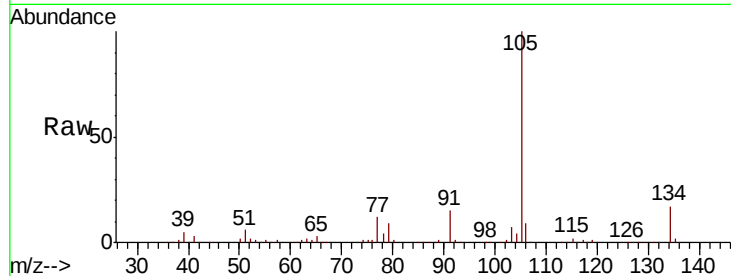
VD1010SBS01

Tot Ion:105 Resp: 1383378

Ion Ratio Lower Upper

105 100

134 16.7 8.8 26.2



#86

p-Isopropyltoluene

Concen: 21.258 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060170.D

Acq: 10 Oct 2018 12:46

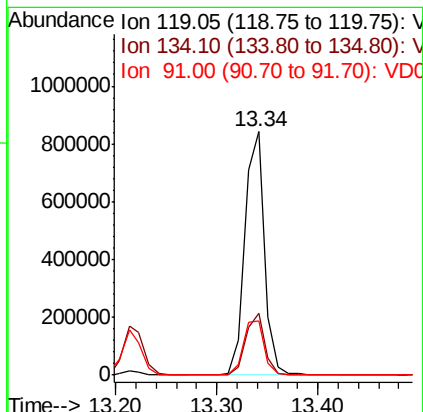
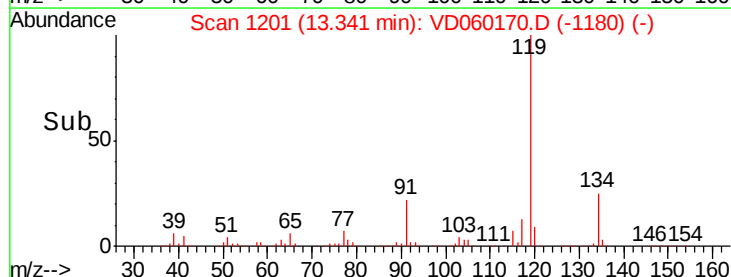
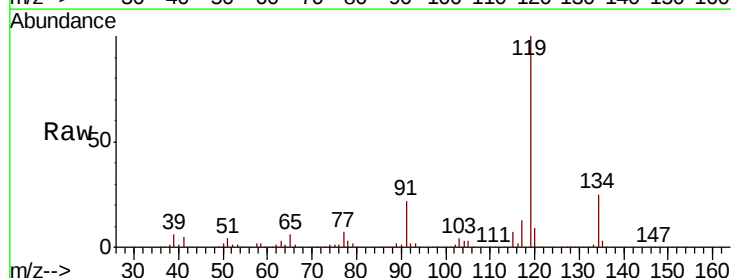
Tgt Ion:119 Resp: 1137772

Ion Ratio Lower Upper

119 100

134 25.3 12.3 36.8

91 22.1 11.8 35.4

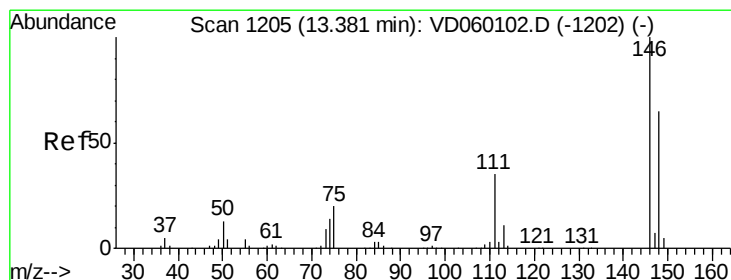
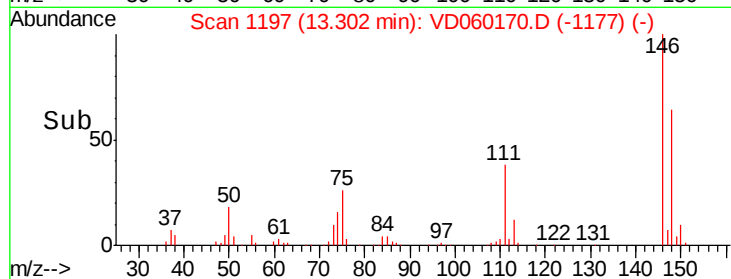
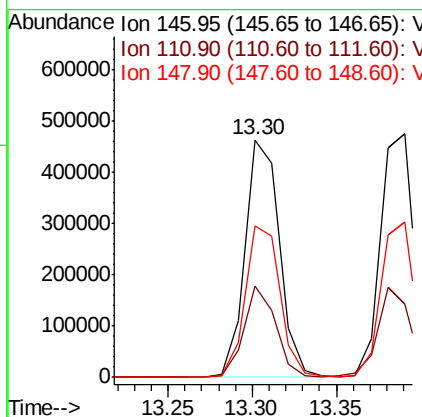
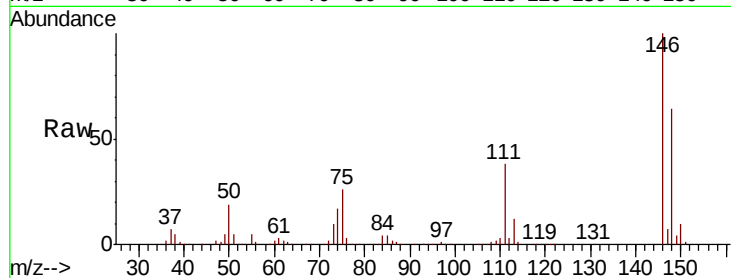




#87
 1,3-Dichlorobenzene
 Concen: 20.827 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: VD060170.D
 Acq: 10 Oct 2018 12:46

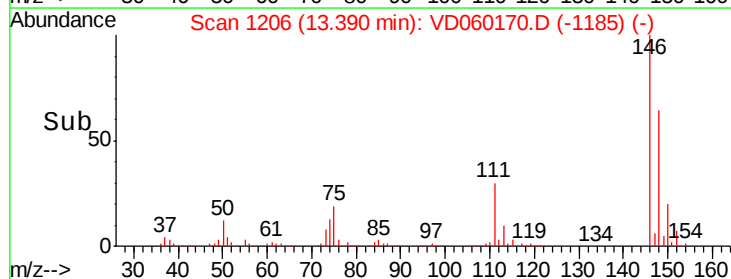
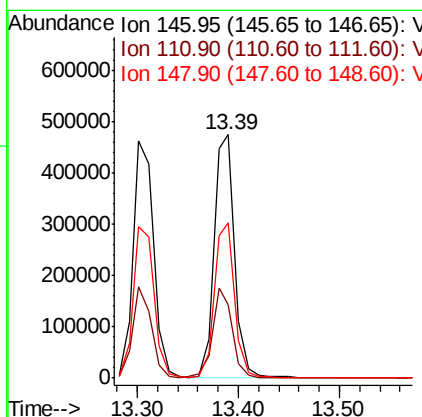
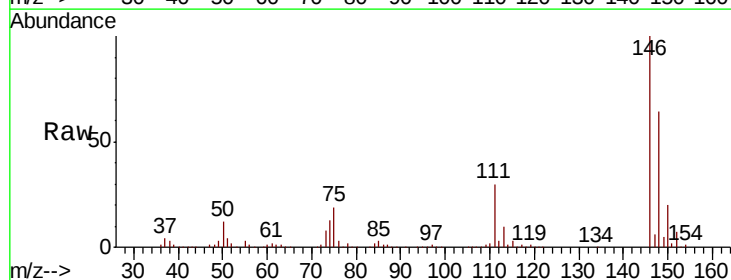
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBSD01

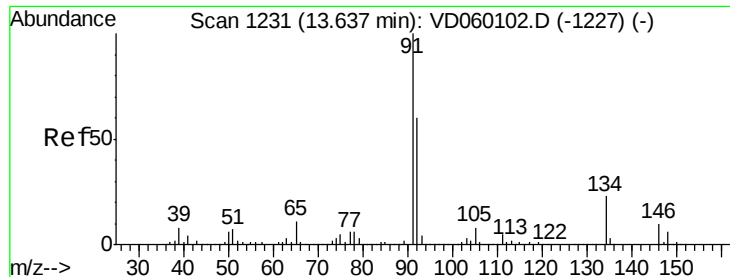
Tot Ion:146 Resp: 655246
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.1 54.3
 148 63.7 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 21.346 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060170.D
 Acq: 10 Oct 2018 12:46

Tgt Ion:146 Resp: 674547
 Ion Ratio Lower Upper
 146 100
 111 30.2 17.8 53.3
 148 63.7 32.4 97.2

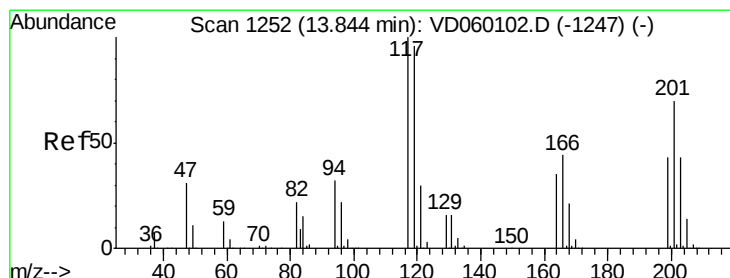
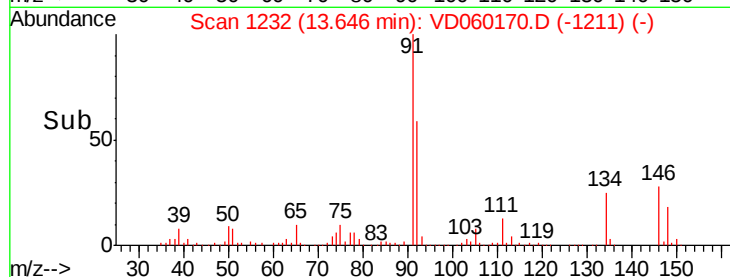
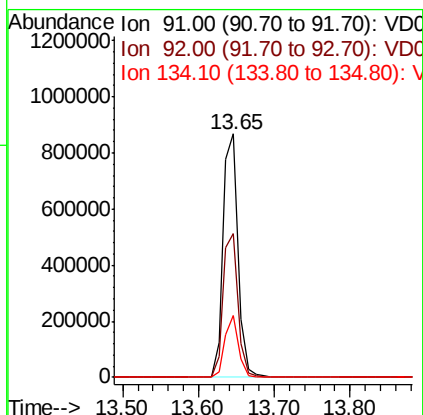
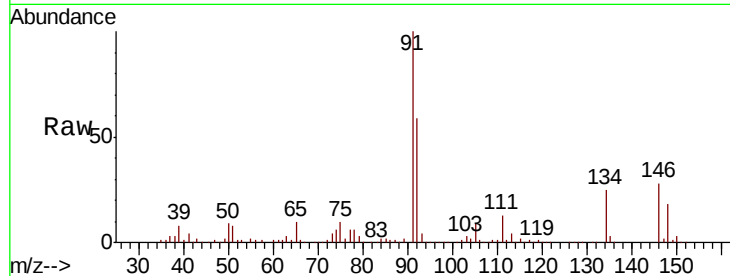




#89
n-Butylbenzene
Concen: 23.019 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

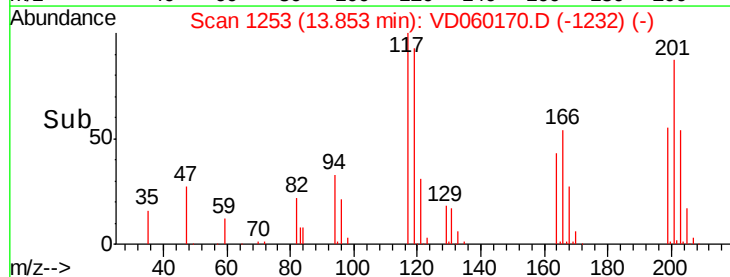
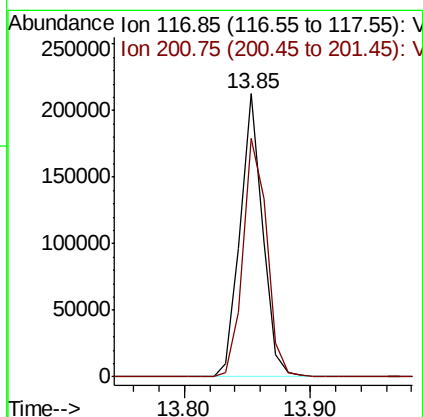
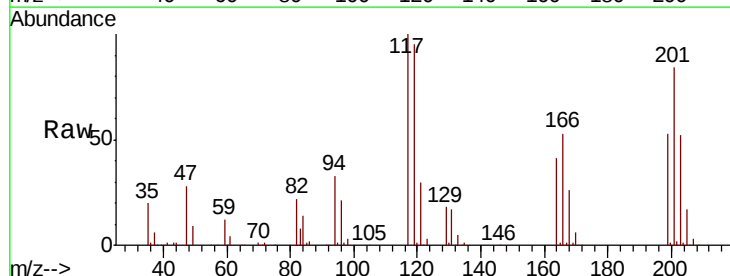
Instrument :
MSVOA_D
ClientSampleId :
VD1010SBS01

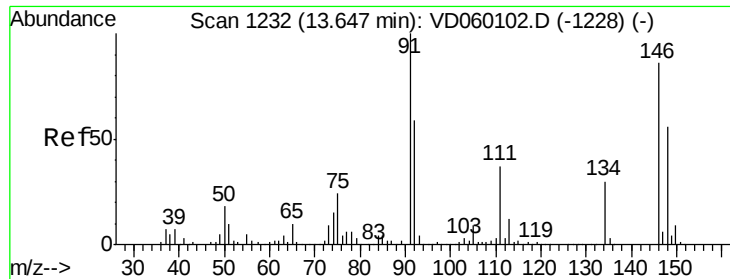
Tot Ion: 91 Resp: 1202192
Ion Ratio Lower Upper
91 100
92 59.0 30.1 90.3
134 25.2 11.6 34.7



#90
Hexachloroethane
Concen: 21.133 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion: 117 Resp: 261771
Ion Ratio Lower Upper
117 100
201 84.1 34.8 104.5

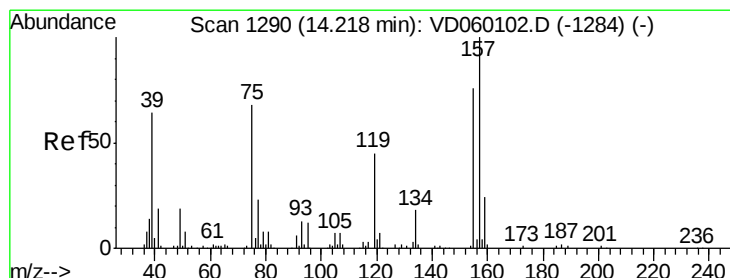
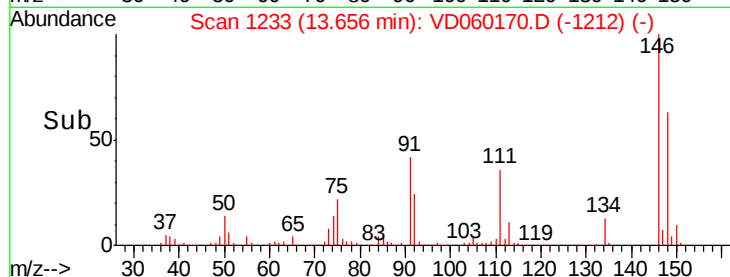
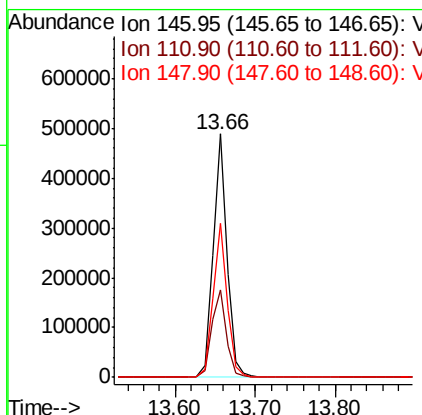
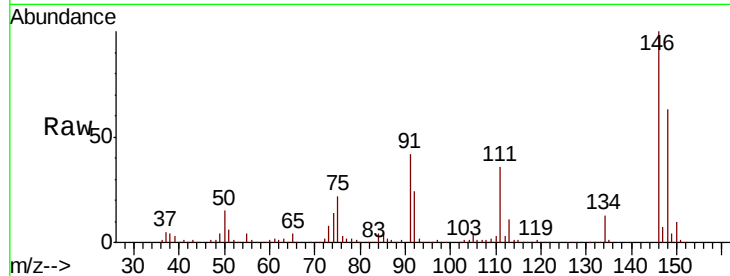




#91
 1,2-Dichlorobenzene
 Concen: 22.808 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060170.D
 Acq: 10 Oct 2018 12:46

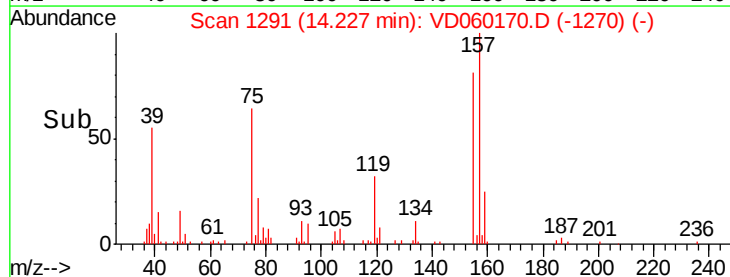
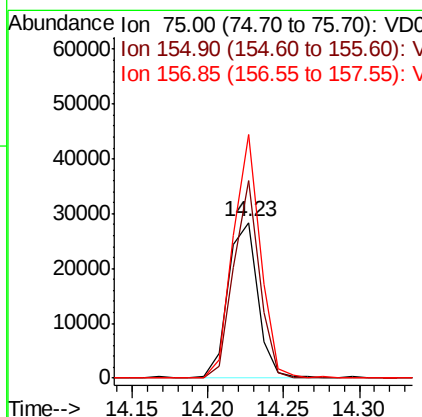
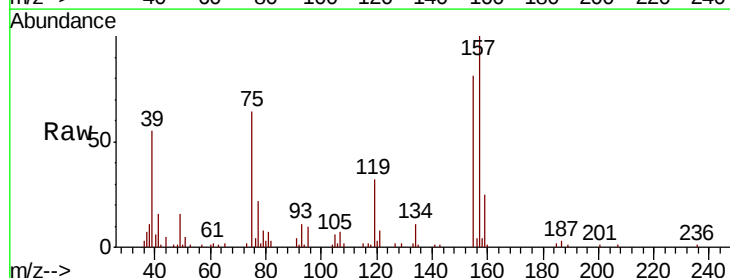
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBSD01

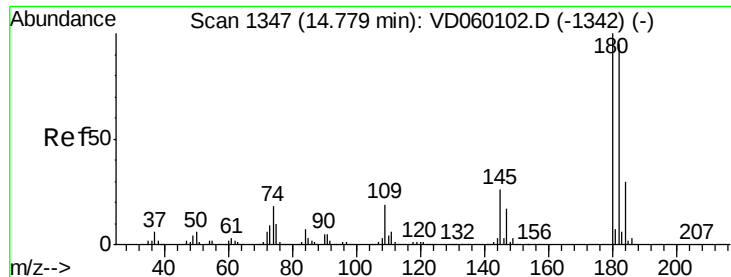
Tot Ion:146 Resp: 603356
 Ion Ratio Lower Upper
 146 100
 111 35.7 21.4 64.3
 148 63.1 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.496 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060170.D
 Acq: 10 Oct 2018 12:46

Tgt Ion: 75 Resp: 38938
 Ion Ratio Lower Upper
 75 100
 155 126.6 55.9 167.7
 157 156.4 73.3 219.8

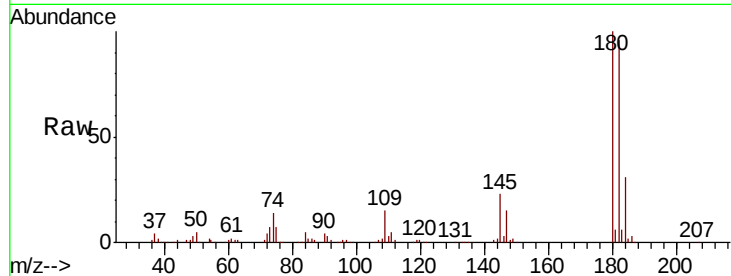




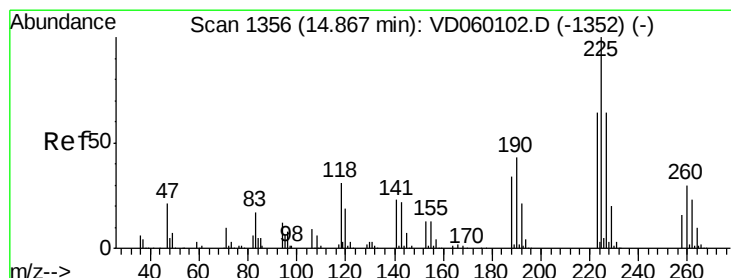
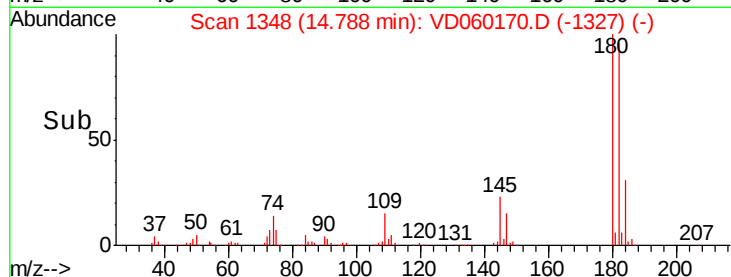
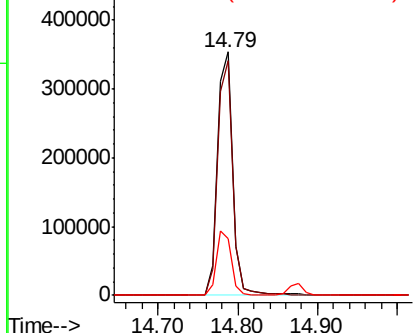
#93
1,2,4-Trichlorobenzene
Concen: 21.556 ug/l
RT: 14.79 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion:180 Resp: 484004
Ion Ratio Lower Upper
180 100
182 96.5 47.3 141.8
145 23.5 13.0 38.9

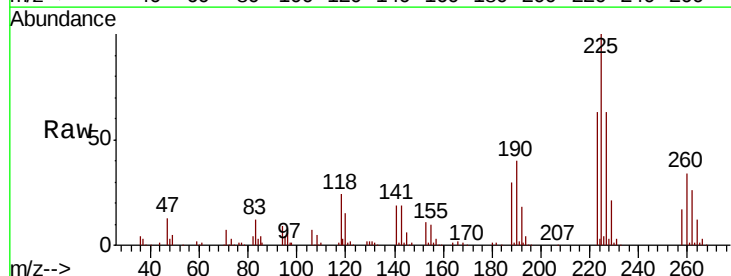


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

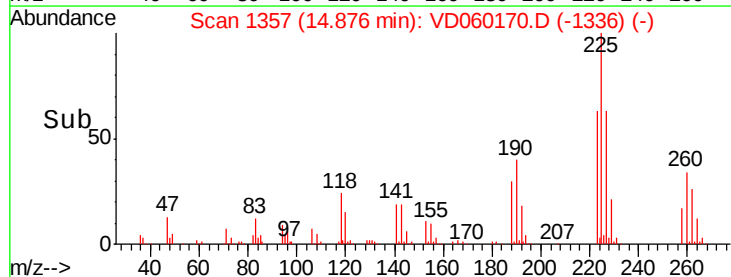
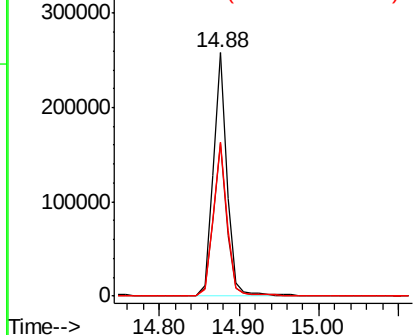


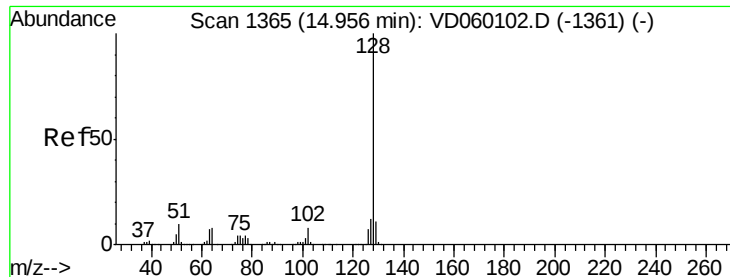
#94
Hexachlorobutadiene
Concen: 21.295 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion:225 Resp: 317822
Ion Ratio Lower Upper
225 100
223 62.9 31.8 95.4
227 63.0 32.0 96.0



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

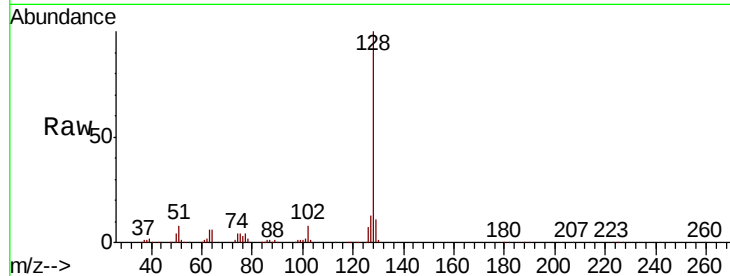




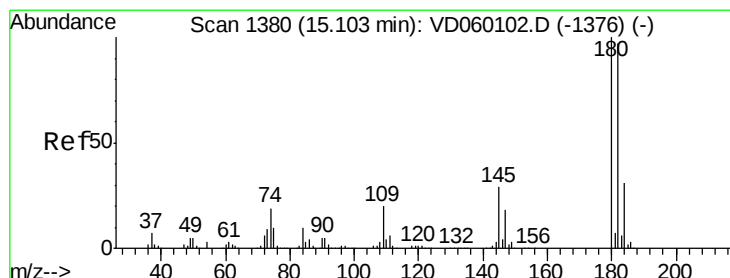
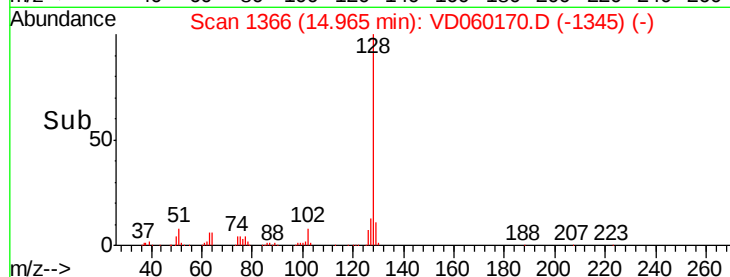
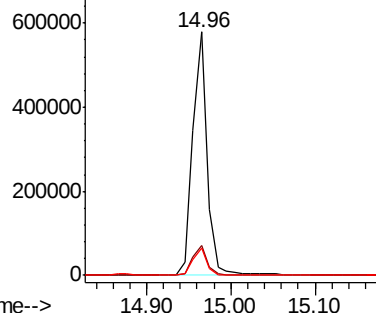
#95
Naphthalene
Concen: 20.770 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1010SBSD01

Tot Ion:128 Resp: 691282
Ion Ratio Lower Upper
128 100
127 12.5 9.9 14.9
129 11.1 8.8 13.2

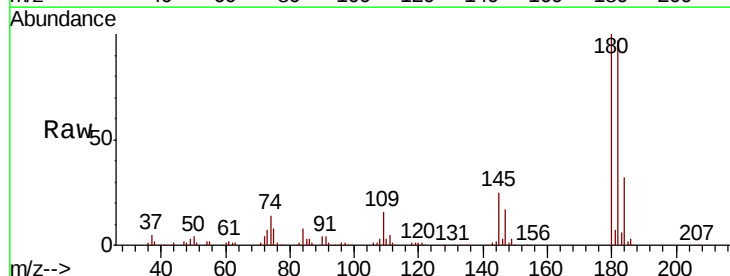


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.587 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060170.D
Acq: 10 Oct 2018 12:46

Tgt Ion:180 Resp: 402107
Ion Ratio Lower Upper
180 100
182 96.6 48.4 145.0
145 25.2 14.5 43.6



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

