

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060052.D
 Acq On : 20 Sep 2018 13:03
 Operator : VA/AP
 Sample : VD0920SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBSD01

Quant Time: Sep 20 16:02:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1506929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2069634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1717227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	929901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	577359	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
35) Dibromofluoromethane	6.30	113	812656	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	9.43	98	2256938	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.42	95	870670	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	285124	17.92	ug/l	99
3) Chloromethane	1.74	50	290038	20.64	ug/l	99
4) Vinyl Chloride	1.84	62	234788	20.79	ug/l	99
5) Bromomethane	2.12	94	20253	15.15	ug/l	99
6) Chloroethane	2.23	64	58297	23.09	ug/l	95
7) Trichlorofluoromethane	2.49	101	269527	21.67	ug/l	97
8) Diethyl Ether	2.80	74	53459	20.22	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.07	101	171805	21.91	ug/l	96
10) Methyl Iodide	3.22	142	173819	20.93	ug/l	91
11) Tert butyl alcohol	3.95	59	69550	73.35	ug/l	99
12) 1,1-Dichloroethene	3.05	96	138888	22.40	ug/l	96
13) Acrolein	2.96	56	45715	77.85	ug/l	97
14) Allyl chloride	3.51	41	268973	20.57	ug/l	98
15) Acrylonitrile	4.06	53	344274	96.18	ug/l	94
16) Acetone	3.14	43	252134	111.13	ug/l	97
17) Carbon Disulfide	3.28	76	443564	20.76	ug/l	99
18) Methyl Acetate	3.53	43	85687	18.57	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	569772	19.89	ug/l	97
20) Methylene Chloride	3.70	84	379141	19.02	ug/l	97
21) trans-1,2-Dichloroethene	4.07	96	333262	20.48	ug/l	94
22) Diisopropyl ether	4.83	45	1239952	20.79	ug/l	98
23) Vinyl Acetate	4.78	43	3450188	102.10	ug/l	99
24) 1,1-Dichloroethane	4.73	63	564087	21.07	ug/l	100
25) 2-Butanone	5.60	43	672712	109.88	ug/l	98
26) 2,2-Dichloropropane	5.57	77	456662	21.94	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	366345	21.52	ug/l	98
28) Bromochloromethane	5.90	49	257170	19.99	ug/l	94
29) Tetrahydrofuran	5.93	42	299274	91.15	ug/l	99
30) Chloroform	6.08	83	574608	21.17	ug/l	99
31) Cyclohexane	6.34	56	521923	20.00	ug/l	96
32) 1,1,1-Trichloroethane	6.27	97	466565	20.72	ug/l	99
36) 1,1-Dichloropropene	6.50	75	434762	21.15	ug/l	97
37) Ethyl Acetate	5.68	43	271443	19.20	ug/l	99
38) Carbon Tetrachloride	6.47	117	382616	19.94	ug/l	96

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Quant Time: Sep 20 16:02:30 2018
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	484056	20.81	ug/l	99
40) Benzene	6.77	78	1111903	21.22	ug/l	99
41) Methacrylonitrile	5.93	41	305947	41.32	ug/l #	80
42) 1,2-Dichloroethane	6.88	62	322365	20.49	ug/l	98
43) Isopropyl Acetate	8.33	43	341111	18.02	ug/l #	99
44) Trichloroethene	7.72	130	350571	21.65	ug/l	95
45) 1,2-Dichloropropane	8.09	63	296144	21.14	ug/l	99
46) Dibromomethane	8.19	93	179730	19.66	ug/l	97
47) Bromodichloromethane	8.47	83	411399	20.87	ug/l	99
48) Methyl methacrylate	8.23	41	200363	19.01	ug/l	96
49) 1,4-Dioxane	8.21	88	36685	350.35	ug/l	97
51) 4-Methyl-2-Pentanone	9.33	43	1388291	99.31	ug/l	99
52) Toluene	9.53	92	721449	21.48	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	370778	20.17	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	451372	20.55	ug/l	95
55) 1,1,2-Trichloroethane	10.17	97	236208	20.26	ug/l	91
56) Ethyl methacrylate	10.01	69	248244	19.19	ug/l	98
57) 1,3-Dichloropropane	10.37	76	353755	20.55	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.90	63	662194	106.02	ug/l	95
59) 2-Hexanone	10.48	43	1017781	101.16	ug/l	98
60) Dibromochloromethane	10.62	129	281160	19.81	ug/l	98
61) 1,2-Dibromoethane	10.74	107	239690	19.91	ug/l	98
64) Tetrachloroethene	10.24	164	312292	20.61	ug/l	96
65) Chlorobenzene	11.30	112	785041	21.26	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	272238	21.86	ug/l	98
67) Ethyl Benzene	11.42	91	1379805	23.22	ug/l	98
68) m/p-Xylenes	11.56	106	1008117	45.94	ug/l	96
69) o-Xylene	11.92	106	484669	22.29	ug/l	99
70) Styrene	11.94	104	813676	22.26	ug/l	96
71) Bromoform	12.11	173	196760	18.39	ug/l	97
73) Isopropylbenzene	12.27	105	1320957	21.66	ug/l	100
74) N-amyl acetate	12.12	43	444412	18.40	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.55	83	265403	19.18	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	269520	18.98	ug/l	98
77) Bromobenzene	12.53	156	365576	20.81	ug/l	95
78) n-propylbenzene	12.63	91	1656434	21.60	ug/l	99
79) 2-Chlorotoluene	12.69	91	901458	20.83	ug/l	94
80) 1,3,5-Trimethylbenzene	12.78	105	1033496	22.11	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	75580	17.63	ug/l	99
82) 4-Chlorotoluene	12.80	91	1064332	22.36	ug/l	98
83) tert-Butylbenzene	13.04	119	1146673	21.17	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	1070707	21.46	ug/l	99
85) sec-Butylbenzene	13.21	105	1388658	21.60	ug/l	99
86) p-Isopropyltoluene	13.33	119	1135281	21.84	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	656038	21.47	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	660469	21.31	ug/l	97
89) n-Butylbenzene	13.64	91	1173957	20.96	ug/l	96
90) Hexachloroethane	13.85	117	252310	19.59	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	573200	20.26	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	35127	16.65	ug/l	96

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

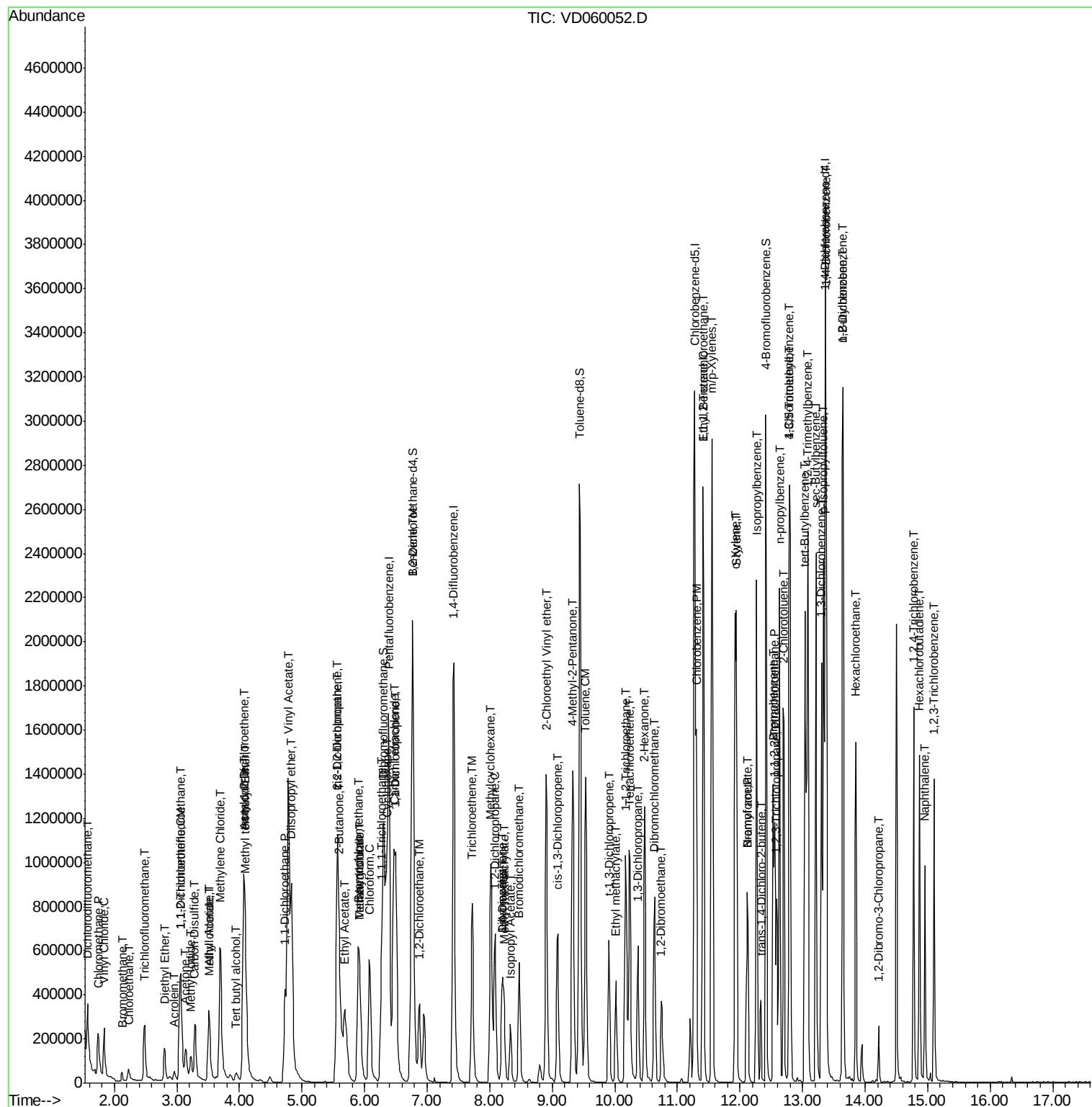
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	448945	20.62	ug/l	96
94) Hexachlorobutadiene	14.88	225	299968	20.83	ug/l	99
95) Naphthalene	14.95	128	631670	18.79	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	368223	19.19	ug/l	97

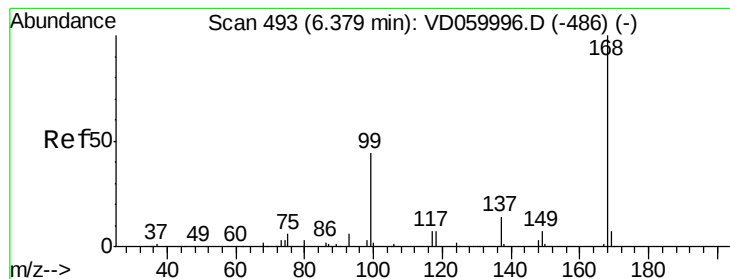
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Sample : VD0920SBSD01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
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 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

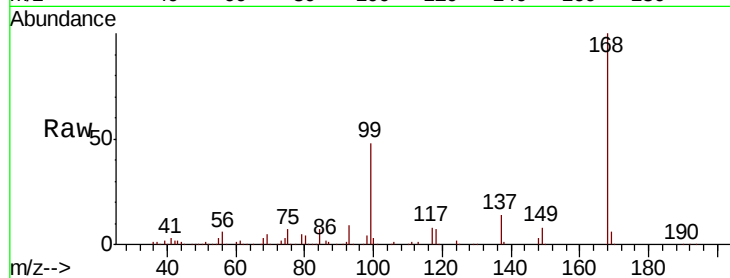
VD0920SBS01

Tot Ion:168 Resp: 1506929

Ion Ratio Lower Upper

168 100

99 48.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

600000

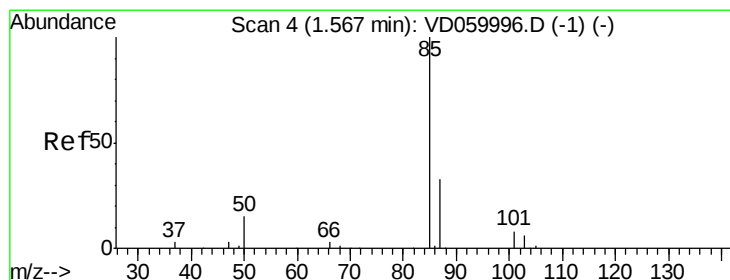
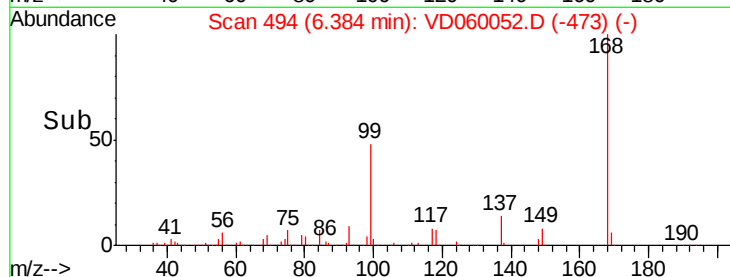
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 17.92 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.00 min

Lab File: VD060052.D

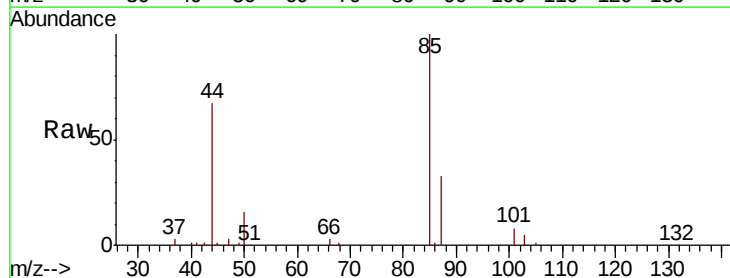
Acq: 20 Sep 2018 13:03

Tgt Ion: 85 Resp: 285124

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

150000

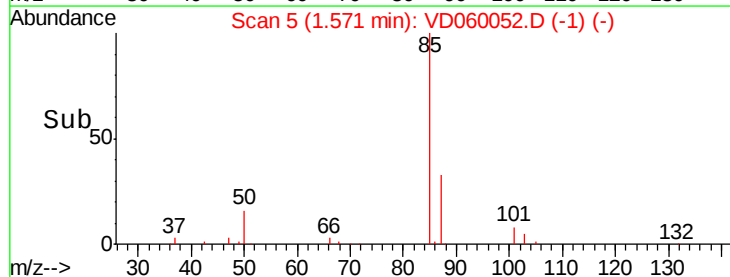
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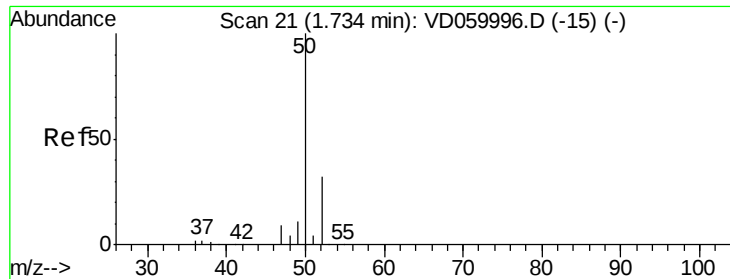
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 20.64 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

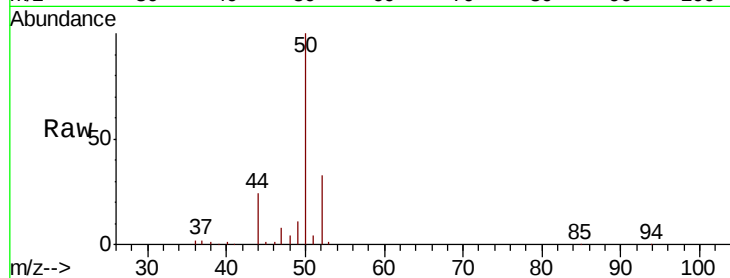
VD0920SBSD01

Tot Ion: 50 Resp: 290038

Ion Ratio Lower Upper

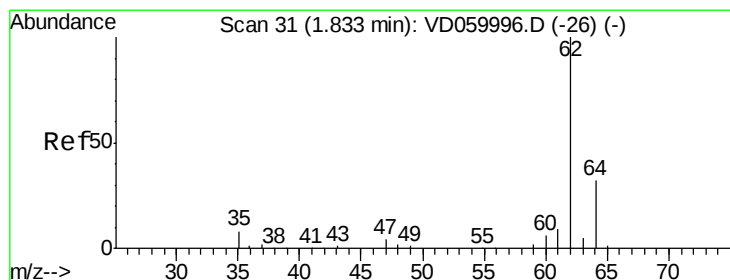
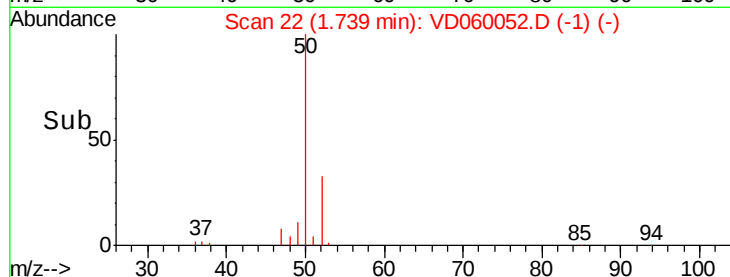
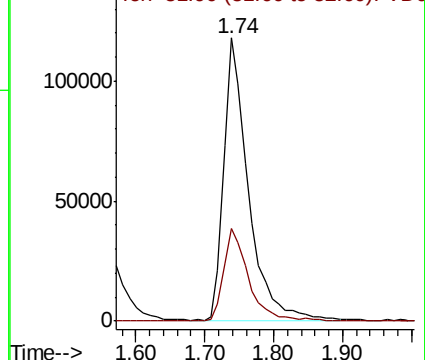
50 100

52 32.6 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.79 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD060052.D

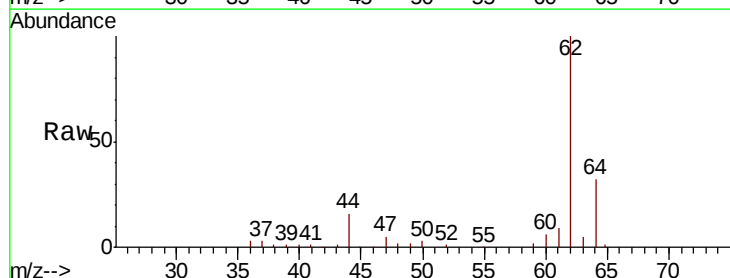
Acq: 20 Sep 2018 13:03

Tgt Ion: 62 Resp: 234788

Ion Ratio Lower Upper

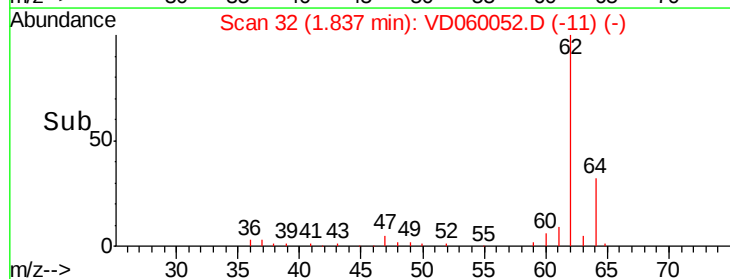
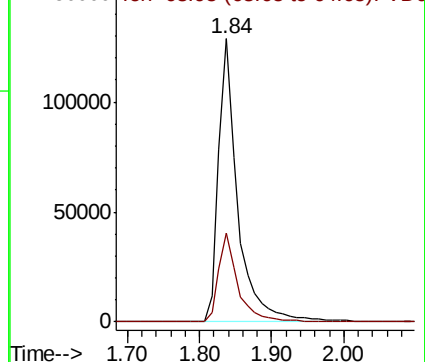
62 100

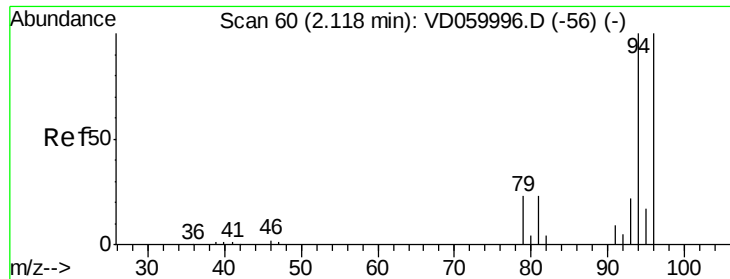
64 31.5 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.15 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

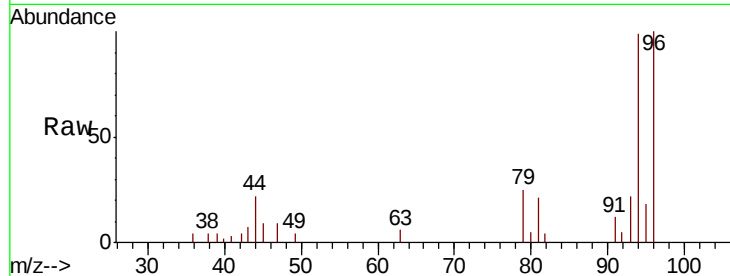
VD0920SBSD01

Tot Ion: 94 Resp: 20253

Ion Ratio Lower Upper

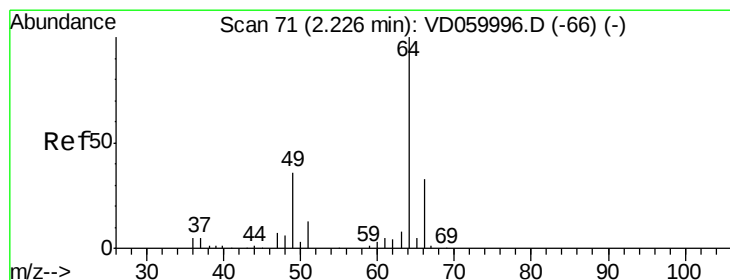
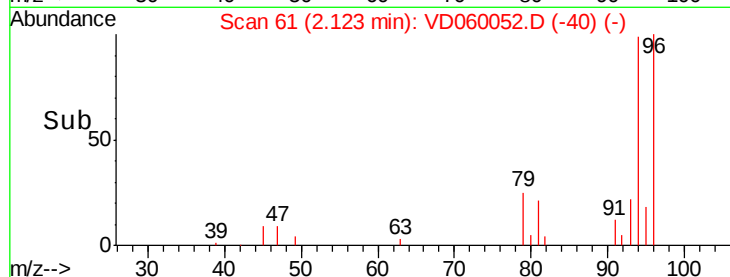
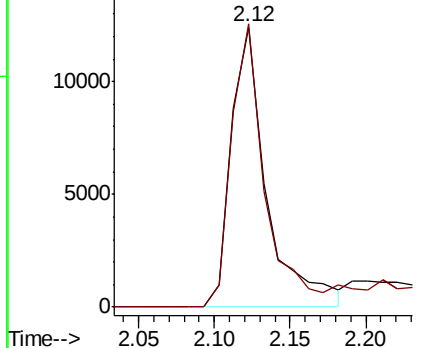
94 100

96 101.2 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.09 ug/l

RT: 2.23 min Scan# 72

Delta R.T. 0.00 min

Lab File: VD060052.D

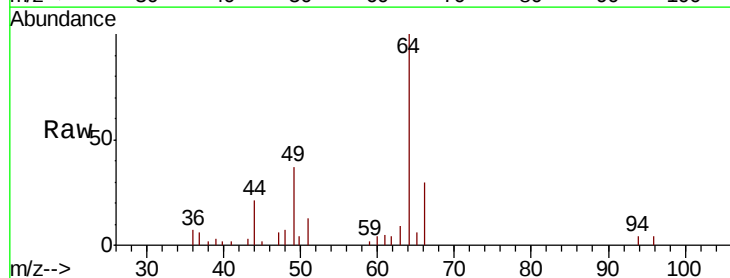
Acq: 20 Sep 2018 13:03

Tgt Ion: 64 Resp: 58297

Ion Ratio Lower Upper

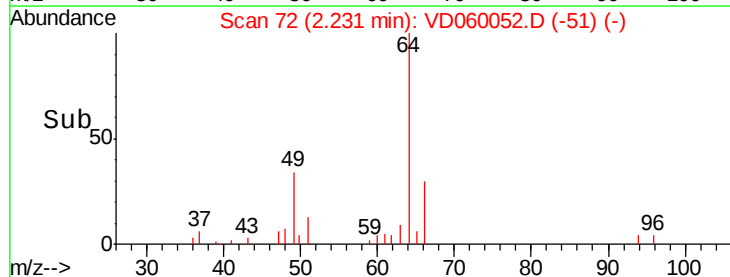
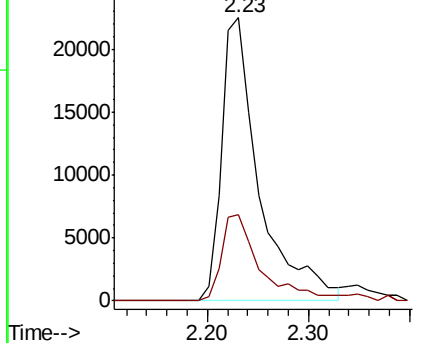
64 100

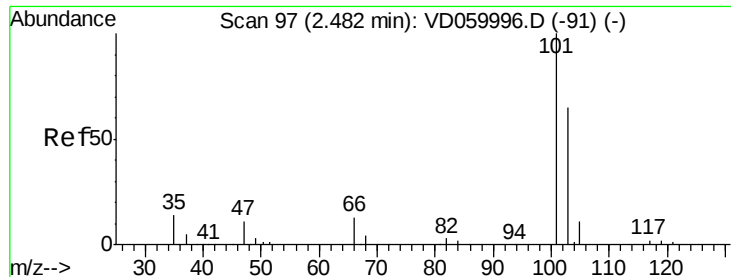
66 30.4 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 21.67 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

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ClientSampleId :

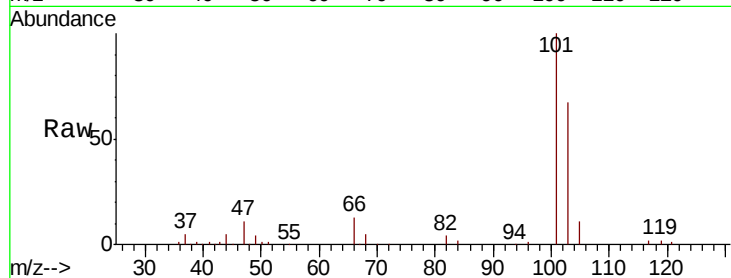
VD0920SBSD01

Tot Ion:101 Resp: 269527

Ion Ratio Lower Upper

101 100

103 67.1 51.6 77.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

120000

100000

80000

60000

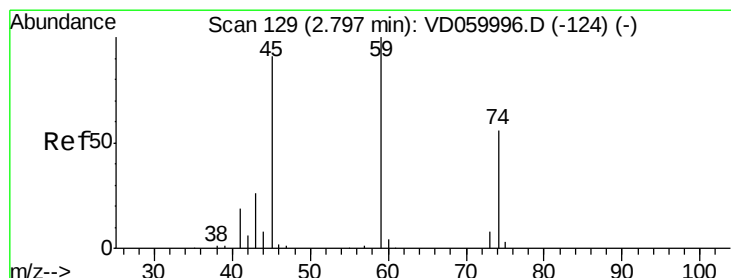
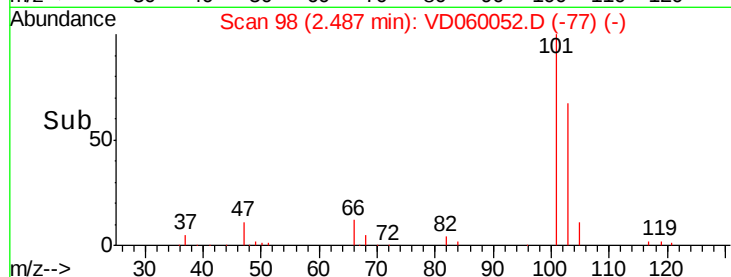
40000

20000

0

2.49

Time-->



#8

Diethyl Ether

Concen: 20.22 ug/l

RT: 2.80 min Scan# 130

Delta R.T. 0.00 min

Lab File: VD060052.D

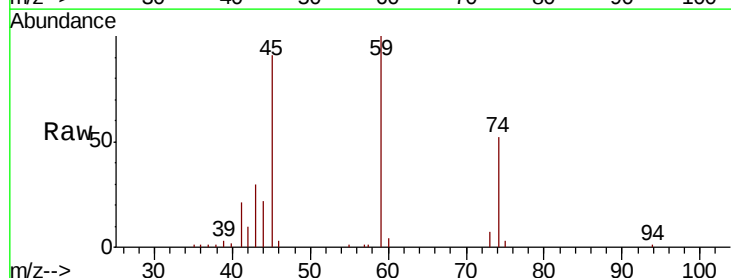
Acq: 20 Sep 2018 13:03

Tgt Ion: 74 Resp: 53459

Ion Ratio Lower Upper

74 100

45 175.6 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

40000

30000

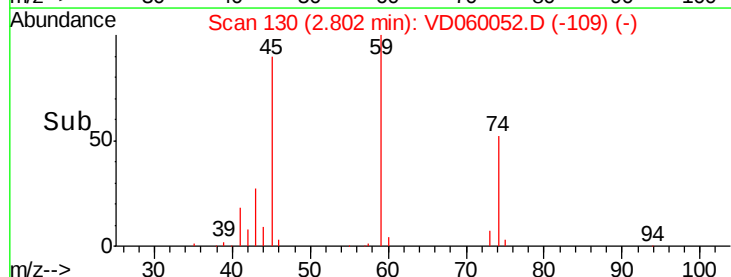
20000

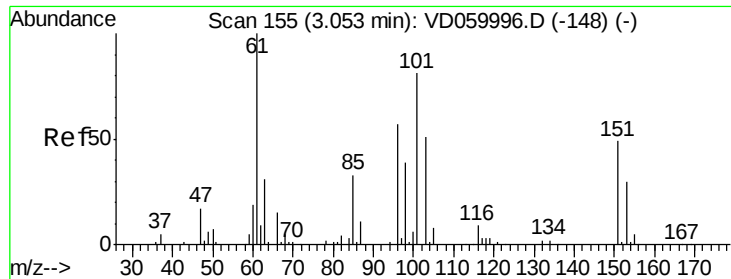
10000

0

2.80

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.91 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

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VD0920SBSD01

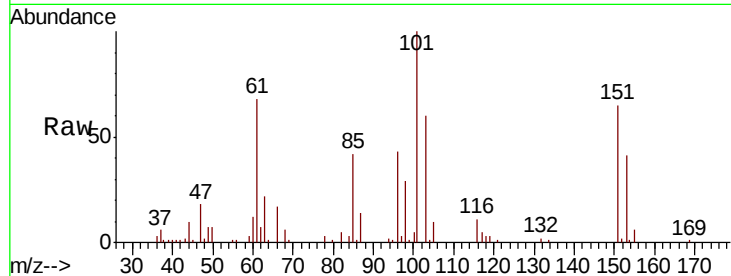
Tot Ion:101 Resp: 171805

Ion Ratio Lower Upper

101 100

85 42.3 33.1 49.7

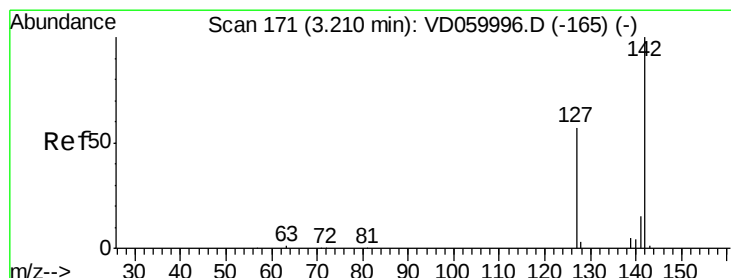
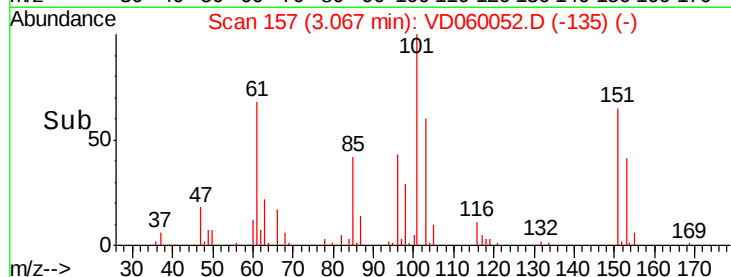
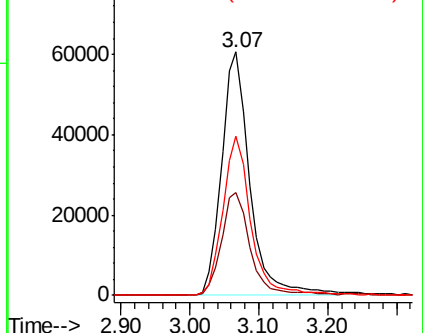
151 65.2 48.2 72.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.93 ug/l

RT: 3.22 min Scan# 173

Delta R.T. 0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

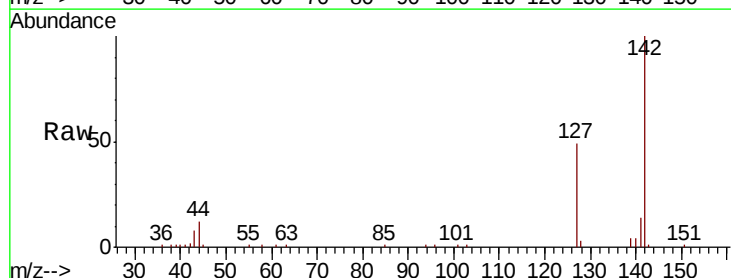
Tgt Ion:142 Resp: 173819

Ion Ratio Lower Upper

142 100

127 49.3 45.8 68.8

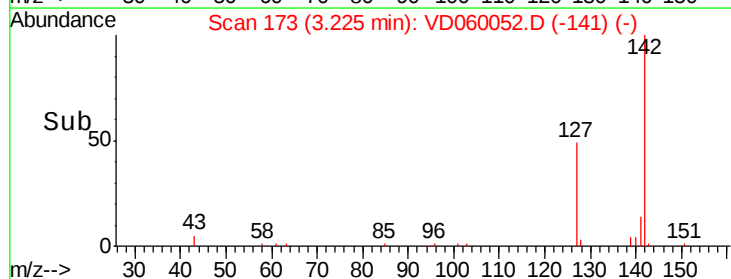
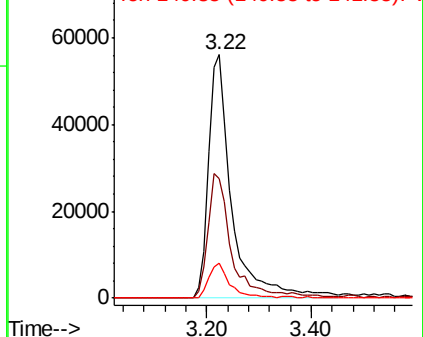
141 14.2 12.2 18.4

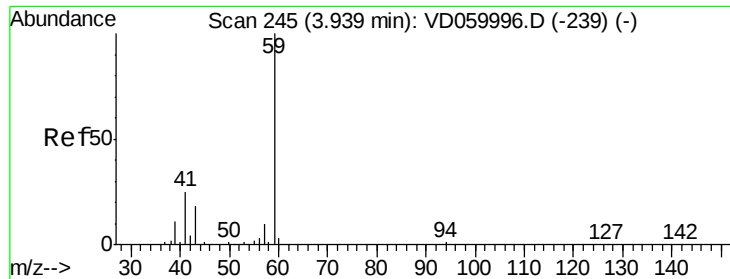


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

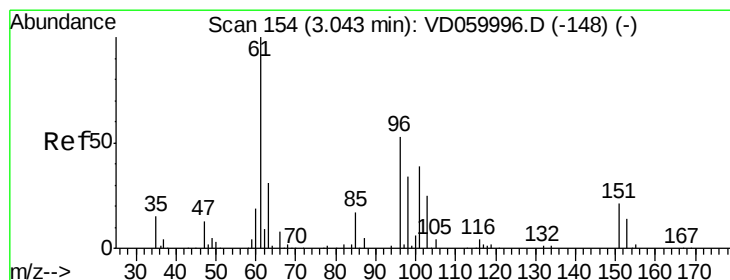
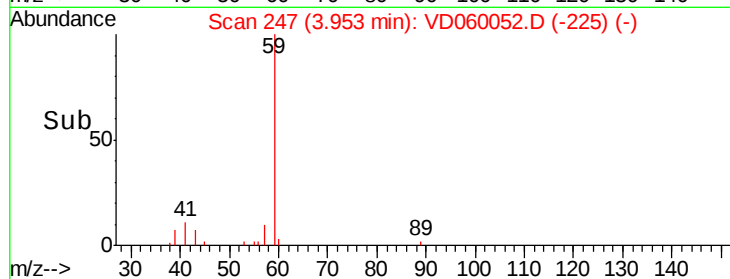
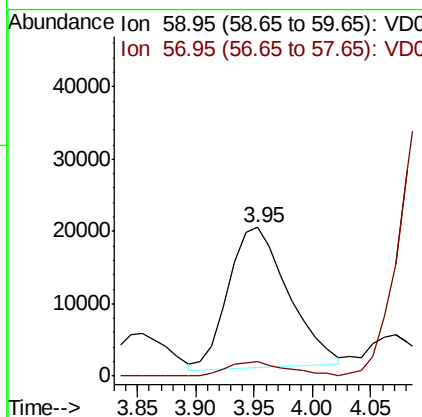
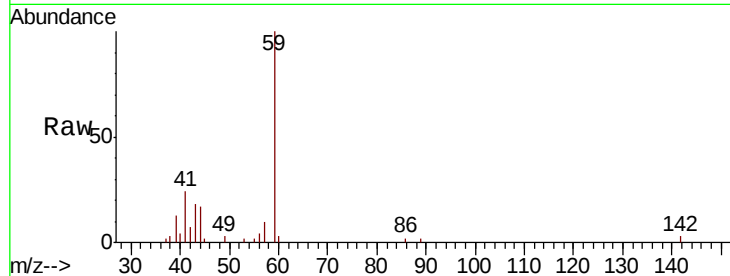




#11
Tert butyl alcohol
Concen: 73.35 ug/l
RT: 3.95 min Scan# 247
Delta R.T. 0.01 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

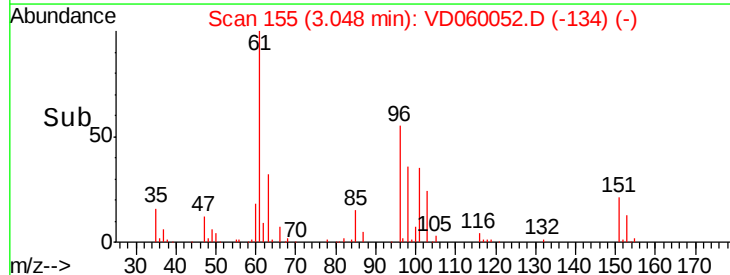
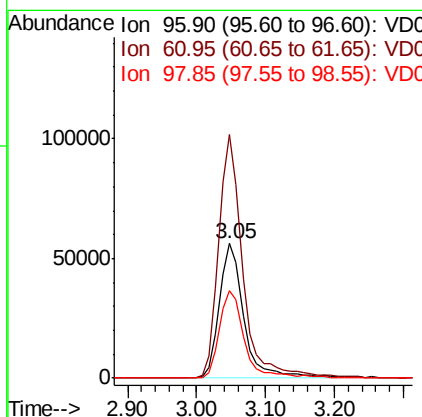
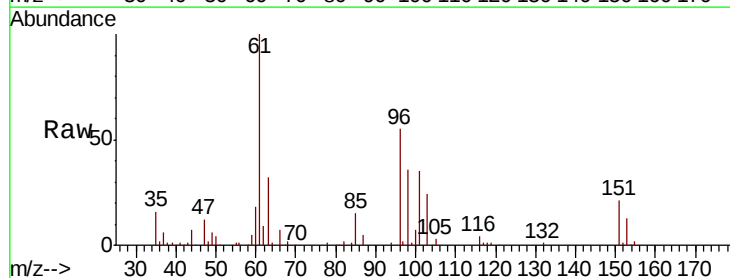
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

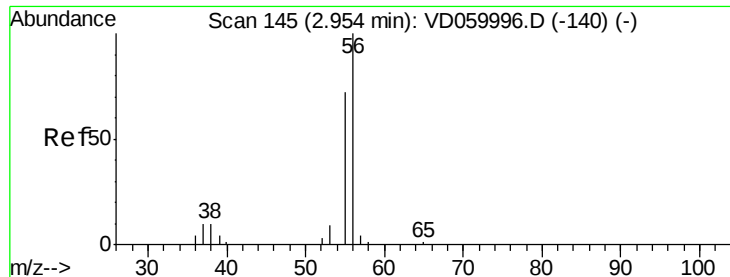
Tot Ion: 59 Resp: 69550
Ion Ratio Lower Upper
59 100
57 9.7 7.4 11.2



#12
1,1-Dichloroethene
Concen: 22.40 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion: 96 Resp: 138888
Ion Ratio Lower Upper
96 100
61 180.8 149.8 224.6
98 65.2 50.2 75.4





#13

Acrolein

Concen: 77.85 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

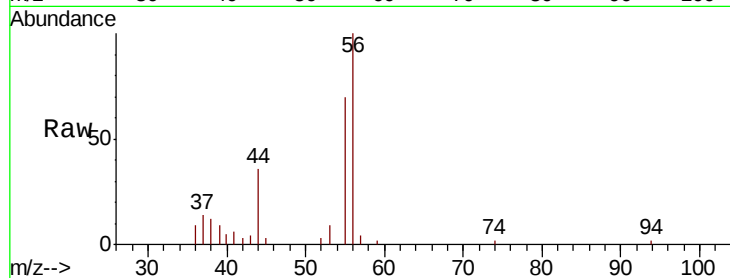
VD0920SBSD01

Tot Ion: 56 Resp: 45715

Ion Ratio Lower Upper

56 100

55 70.3 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.96

20000

15000

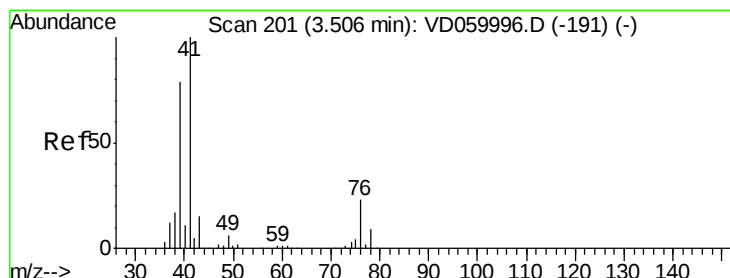
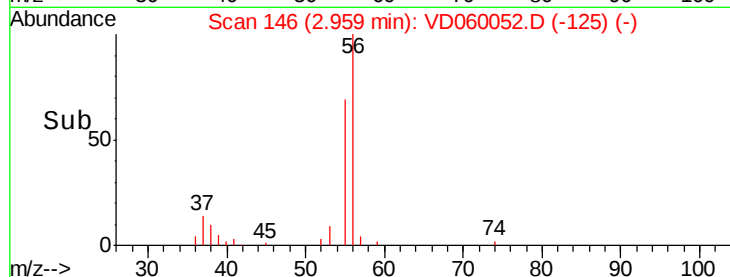
10000

5000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 20.57 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

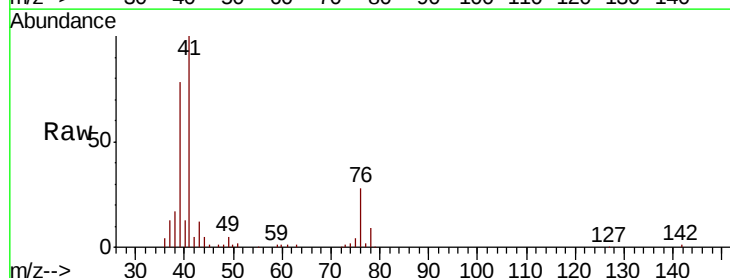
Tgt Ion: 41 Resp: 268973

Ion Ratio Lower Upper

41 100

39 78.3 63.6 95.4

76 27.6 21.1 31.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.51

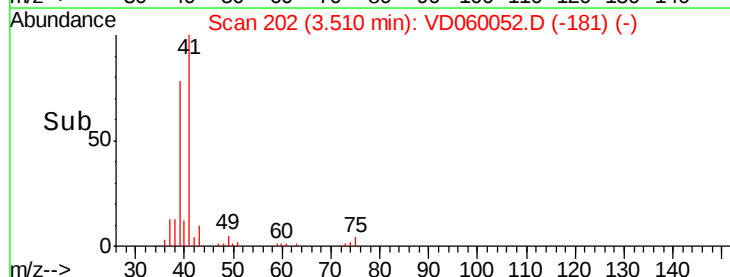
100000

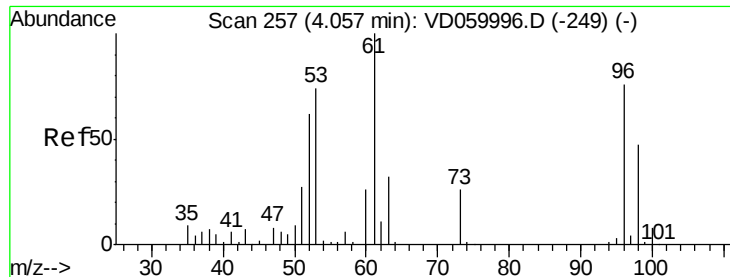
50000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 96.18 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleID :

VD0920SBS01

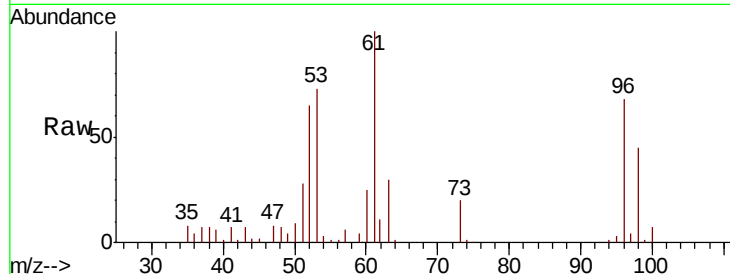
Tot Ion: 53 Resp: 344274

Ion Ratio Lower Upper

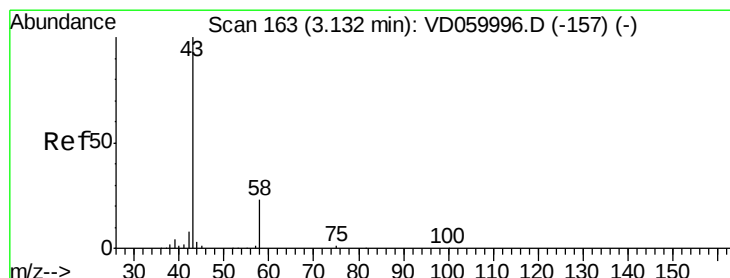
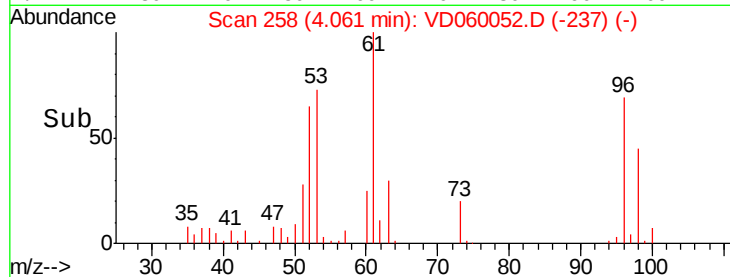
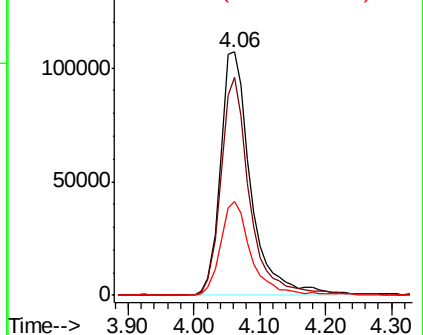
53 100

52 89.6 66.7 100.1

51 38.3 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 111.13 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060052.D

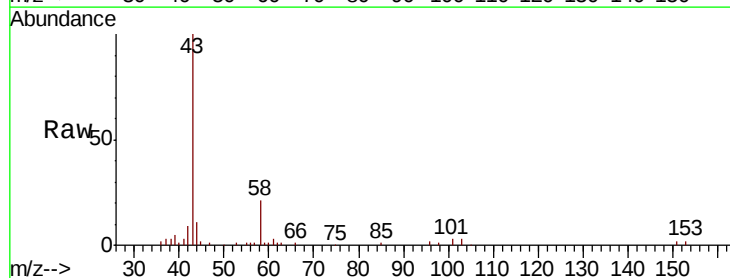
Acq: 20 Sep 2018 13:03

Tgt Ion: 43 Resp: 252134

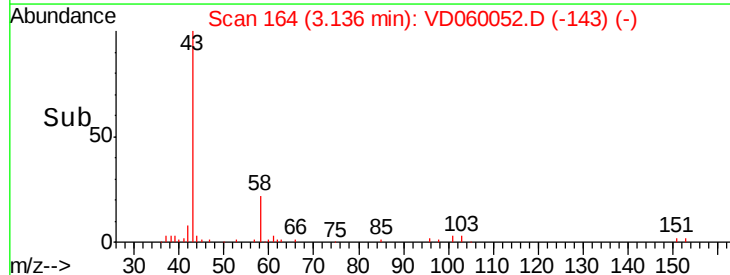
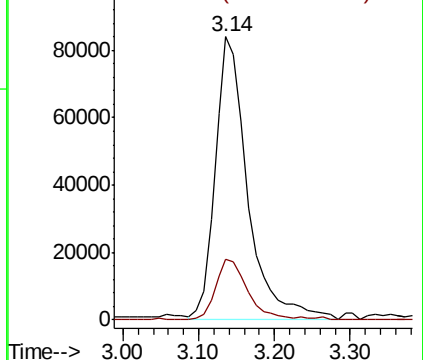
Ion Ratio Lower Upper

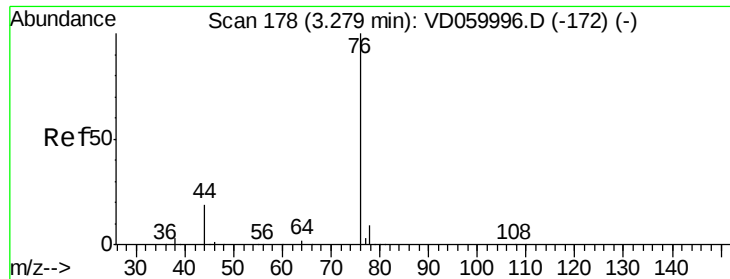
43 100

58 21.3 18.1 27.1



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

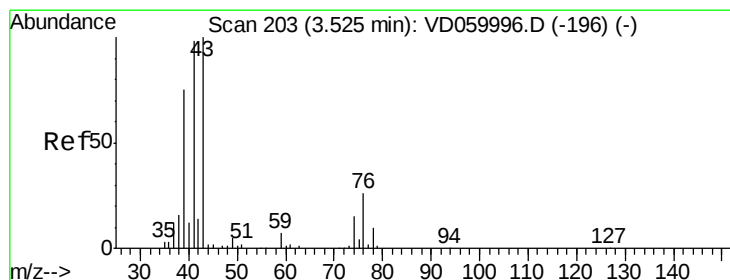
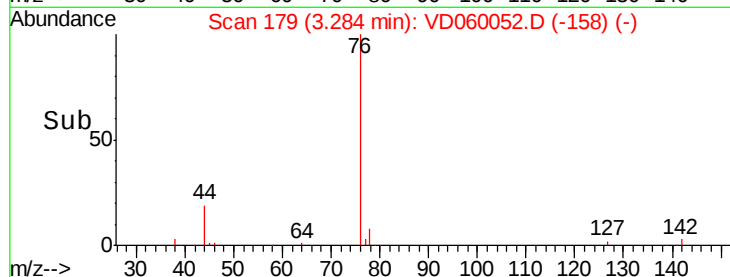
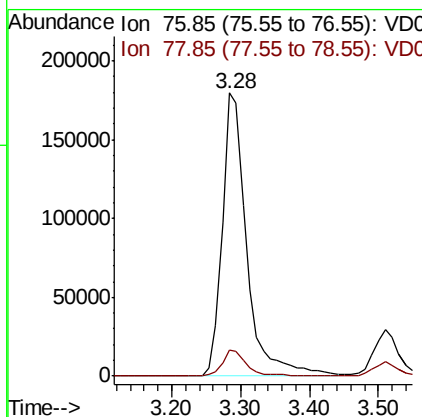
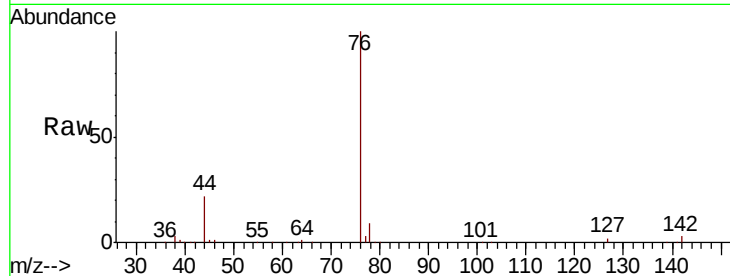




#17
Carbon Disulfide
Concen: 20.76 ug/l
RT: 3.28 min Scan# 179
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

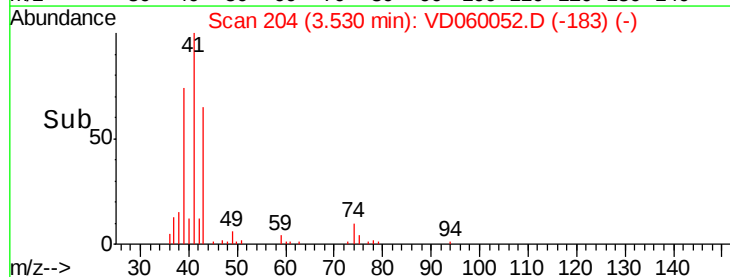
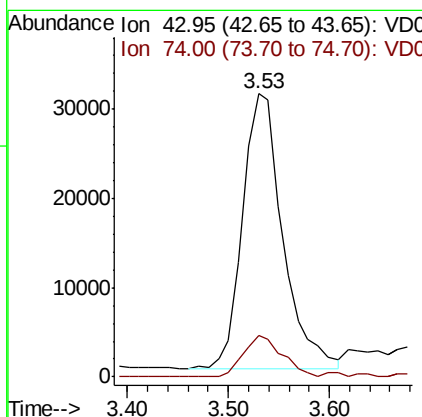
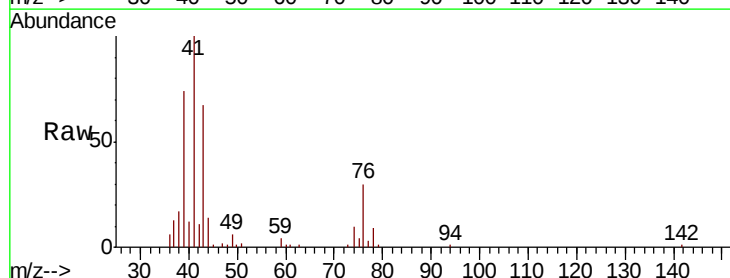
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

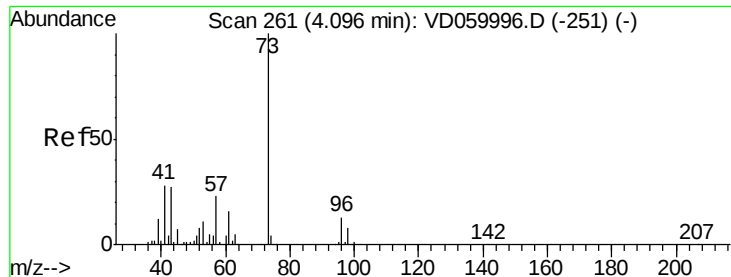
Tot Ion: 76 Resp: 443564
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 18.57 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion: 43 Resp: 85687
Ion Ratio Lower Upper
43 100
74 14.5 11.8 17.8

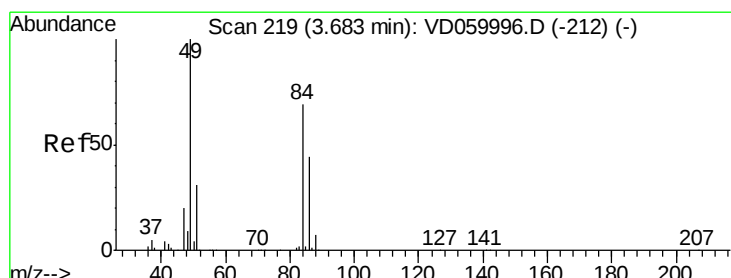
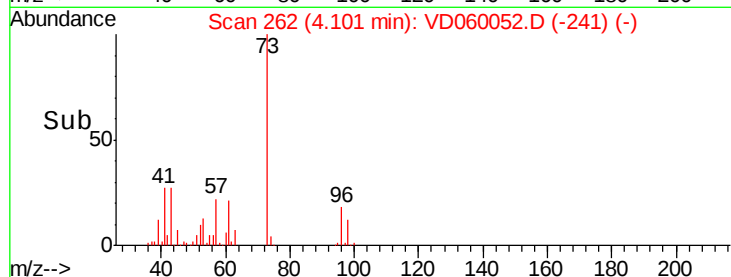
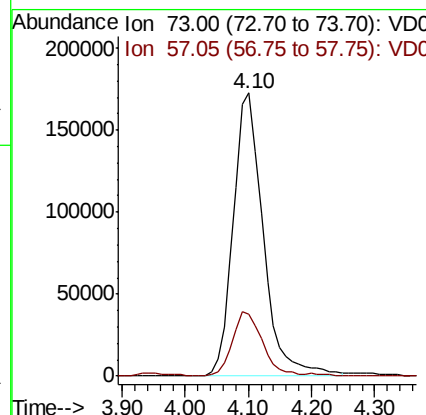
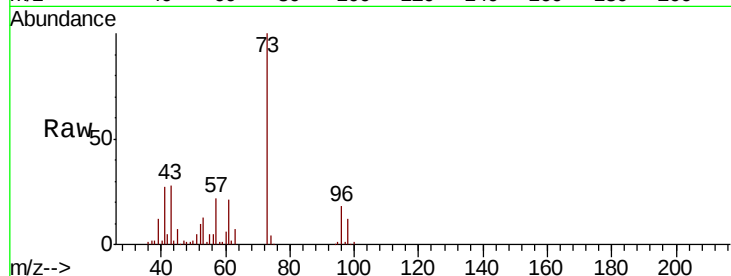




#19
Methyl tert-butyl Ether
Concen: 19.89 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

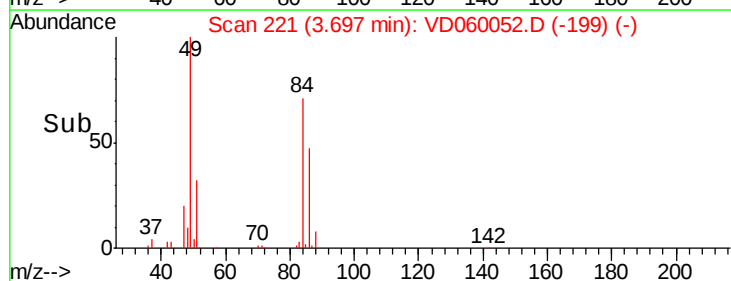
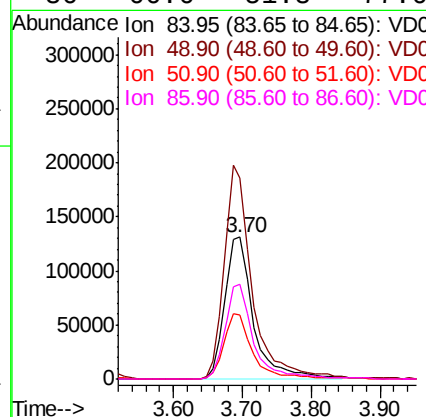
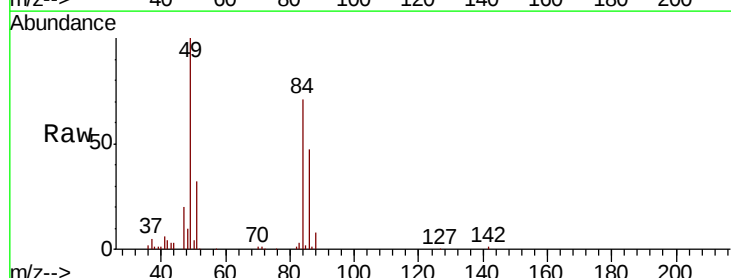
Instrument :
MSVOA_D
ClientSampleID :
VD0920SBS01

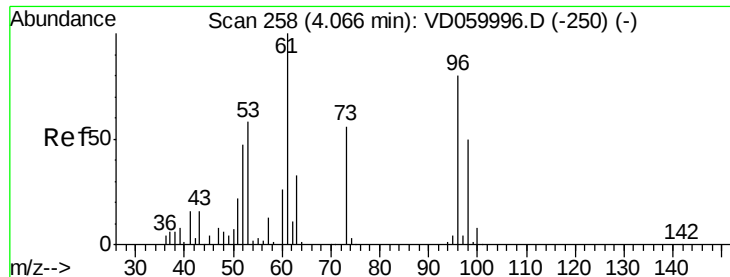
Tot Ion: 73 Resp: 569772
Ion Ratio Lower Upper
73 100
57 21.8 18.4 27.6



#20
Methylene Chloride
Concen: 19.02 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.02 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion: 84 Resp: 379141
Ion Ratio Lower Upper
84 100
49 141.4 116.6 175.0
51 45.3 35.9 53.9
86 66.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.48 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBSD01

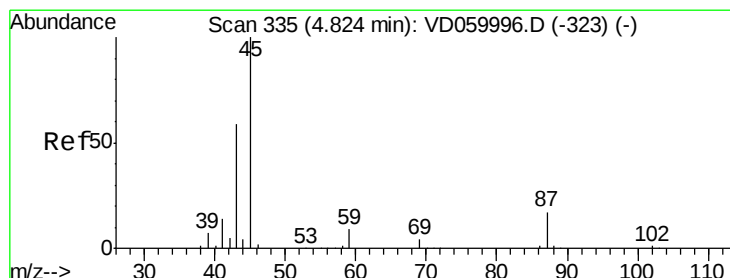
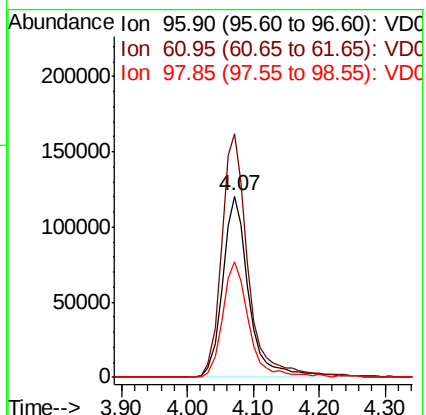
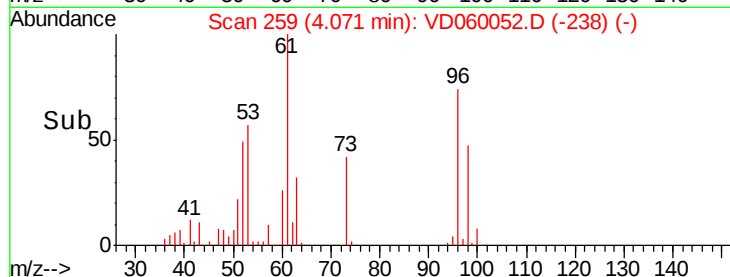
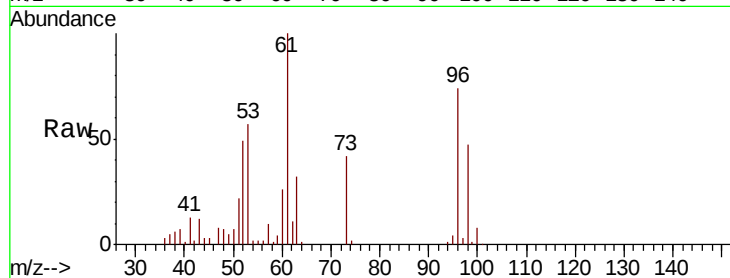
Tot Ion: 96 Resp: 333262

Ion Ratio Lower Upper

96 100

61 134.4 100.1 150.1

98 63.8 49.5 74.3



#22

Diisopropyl ether

Concen: 20.79 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Tgt Ion: 45 Resp: 1239952

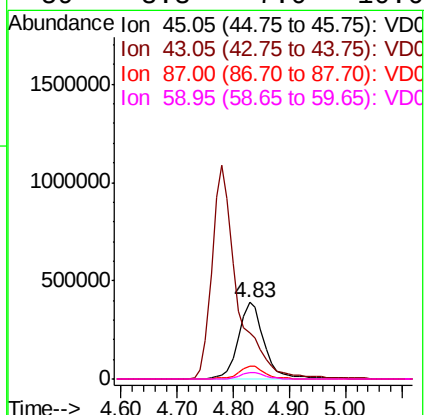
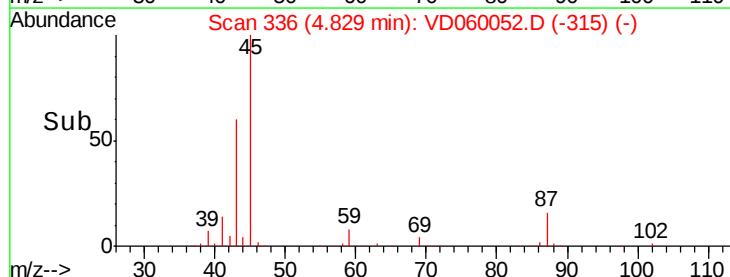
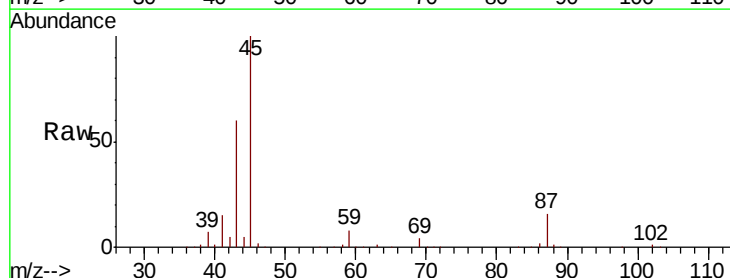
Ion Ratio Lower Upper

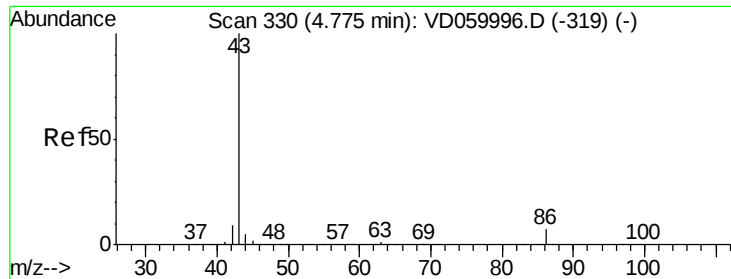
45 100

43 60.3 47.1 70.7

87 16.3 14.2 21.2

59 8.3 7.0 10.6





#23

Vinyl Acetate

Concen: 102.10 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

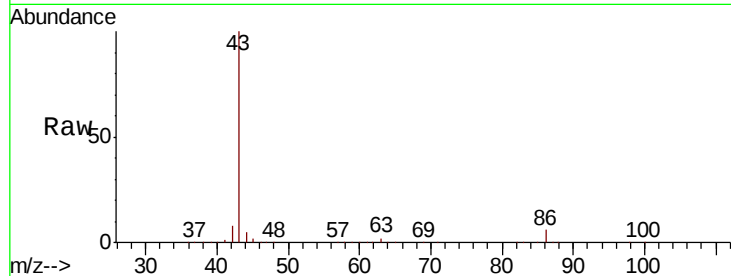
VD0920SBSD01

Tot Ion: 43 Resp: 3450188

Ion Ratio Lower Upper

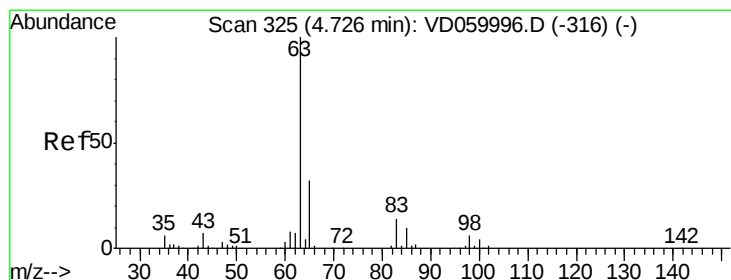
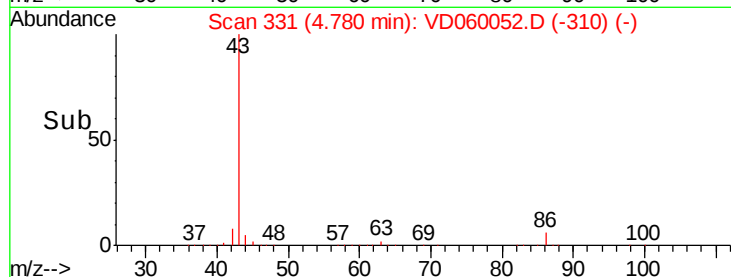
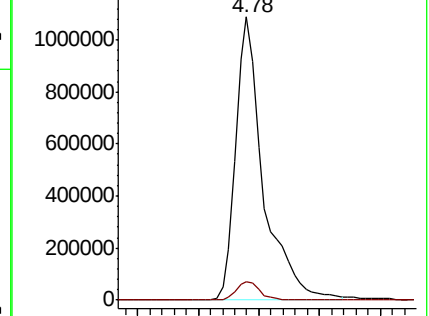
43 100

86 6.5 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.07 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

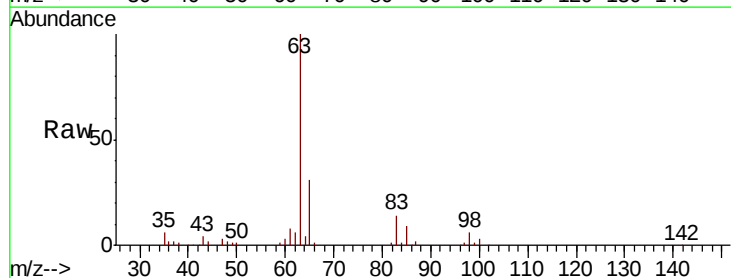
Tgt Ion: 63 Resp: 564087

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

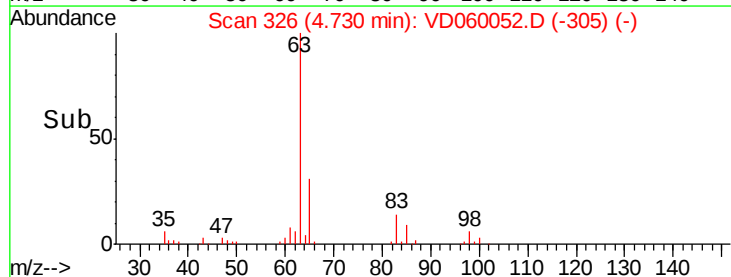
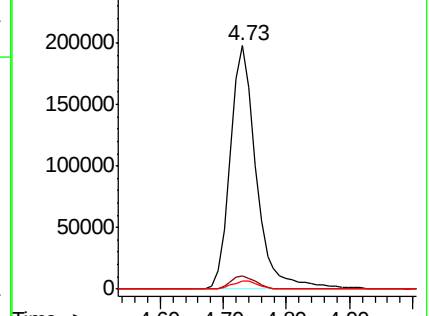
100 3.5 1.8 5.4

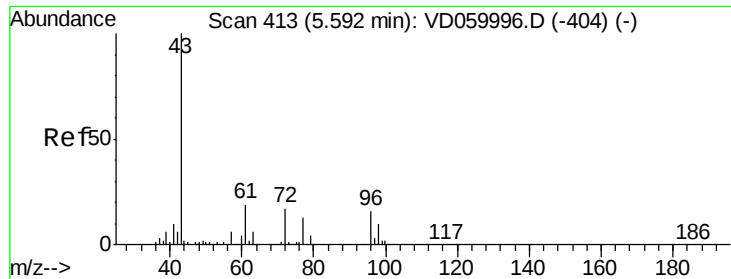


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 109.88 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

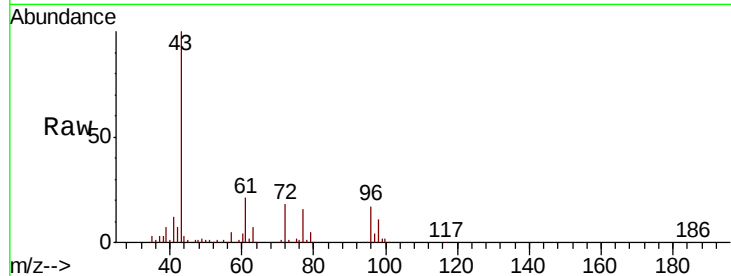
VD0920SBS01

Tot Ion: 43 Resp: 672712

Ion Ratio Lower Upper

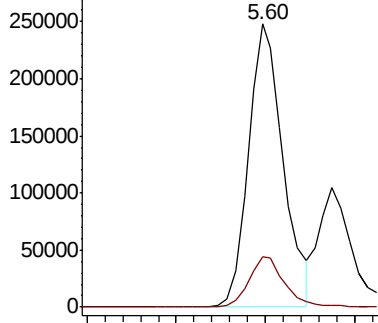
43 100

72 18.0 13.6 20.4

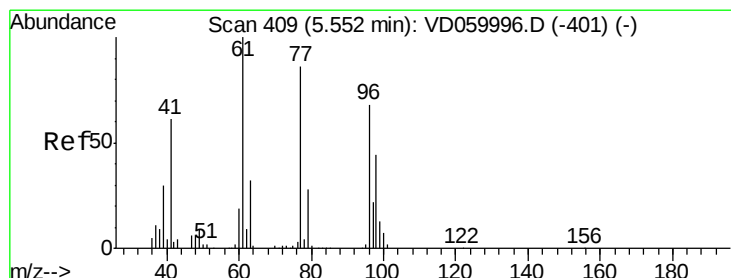
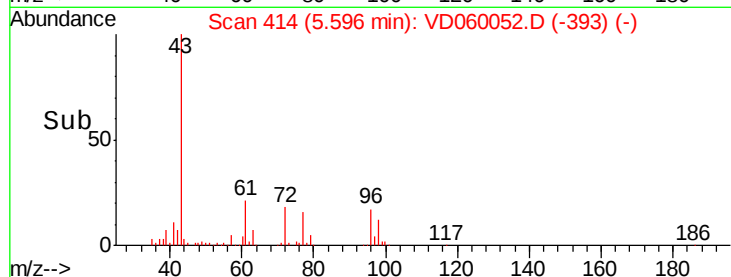


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time--> 5.40 5.50 5.60 5.70



#26

2,2-Dichloropropane

Concen: 21.94 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060052.D

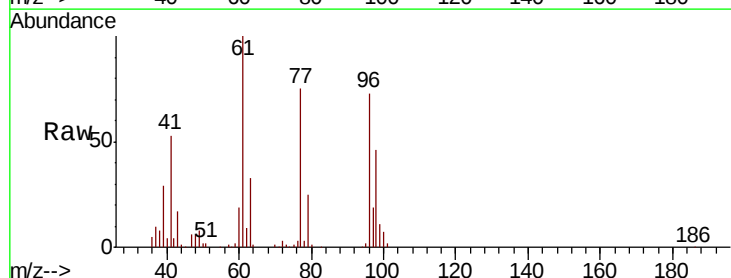
Acq: 20 Sep 2018 13:03

Tgt Ion: 77 Resp: 456662

Ion Ratio Lower Upper

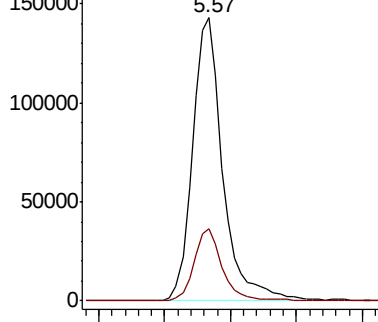
77 100

97 25.4 12.7 38.1

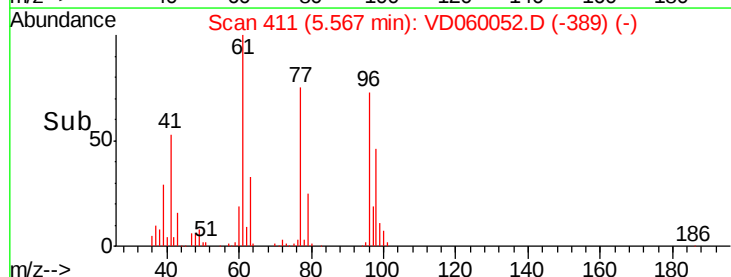


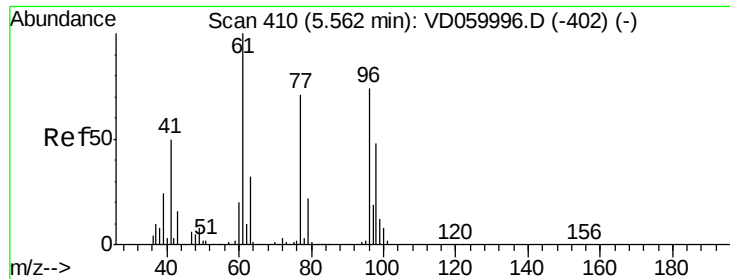
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time--> 5.40 5.50 5.60 5.70





#27

cis-1,2-Dichloroethene

Concen: 21.52 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBSD01

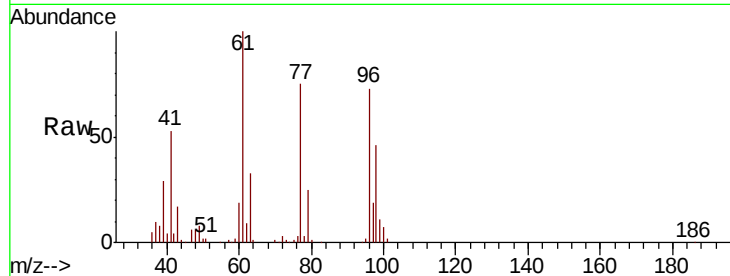
Tot Ion: 96 Resp: 366345

Ion Ratio Lower Upper

96 100

61 136.8 0.0 269.6

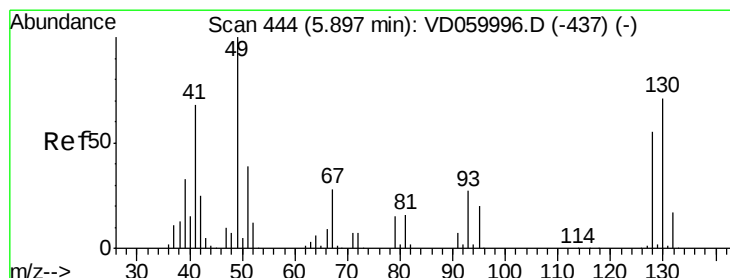
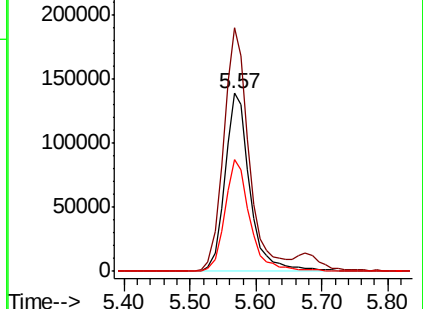
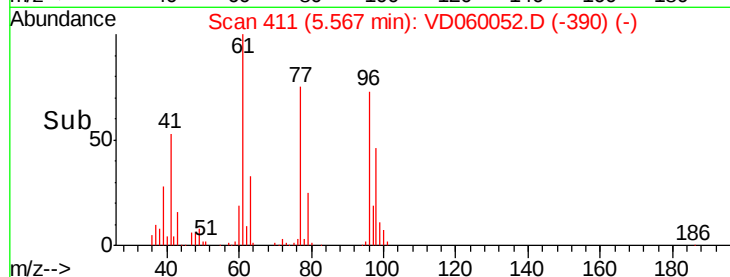
98 62.6 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 19.99 ug/l

RT: 5.90 min Scan# 445

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

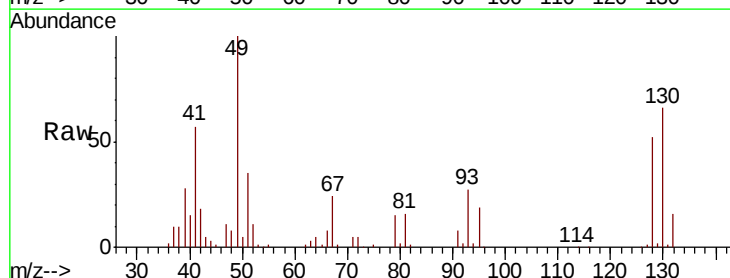
Tgt Ion: 49 Resp: 257170

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.6

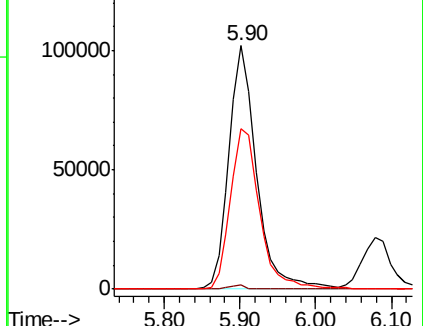
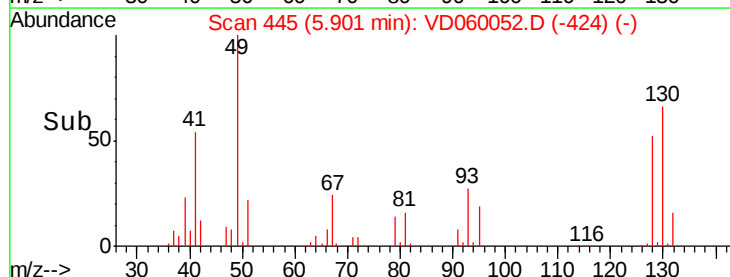
130 66.1 57.1 85.7



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 91.15 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

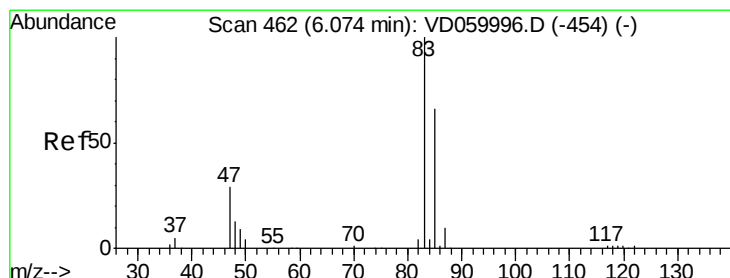
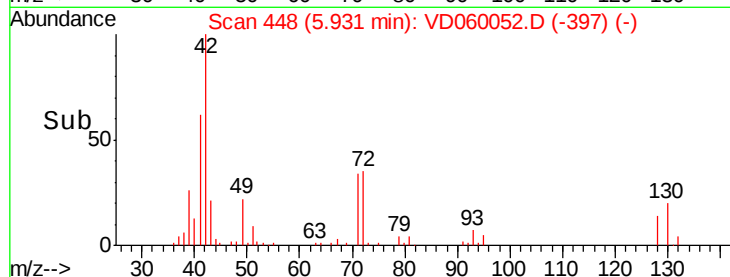
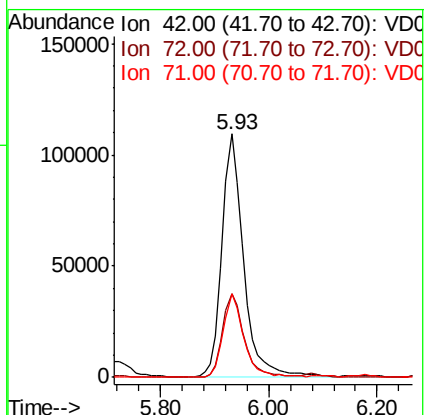
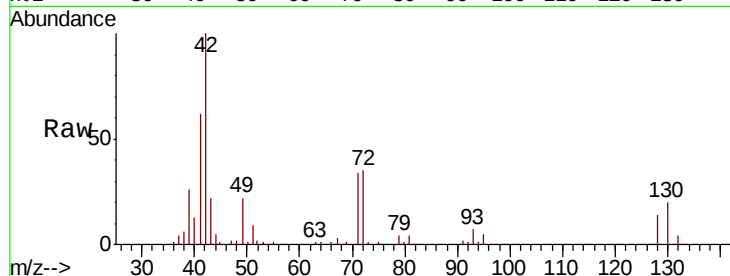
Tot Ion: 42 Resp: 299274

Ion Ratio Lower Upper

42 100

72 34.6 26.9 40.3

71 33.2 26.2 39.4



#30

Chloroform

Concen: 21.17 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD060052.D

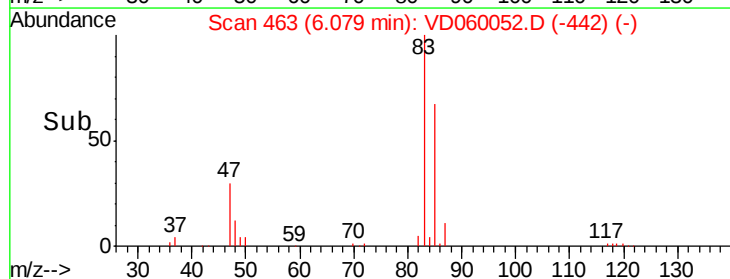
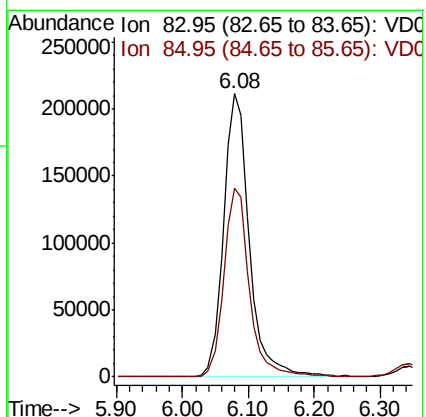
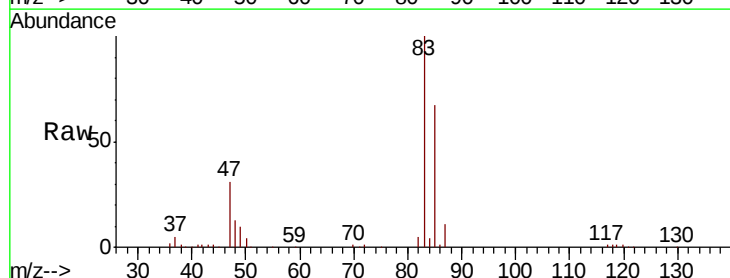
Acq: 20 Sep 2018 13:03

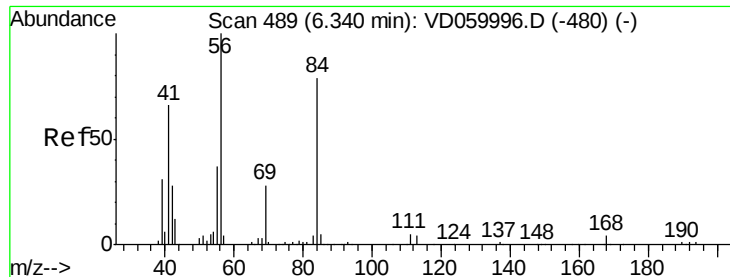
Tgt Ion: 83 Resp: 574608

Ion Ratio Lower Upper

83 100

85 66.7 52.6 78.8

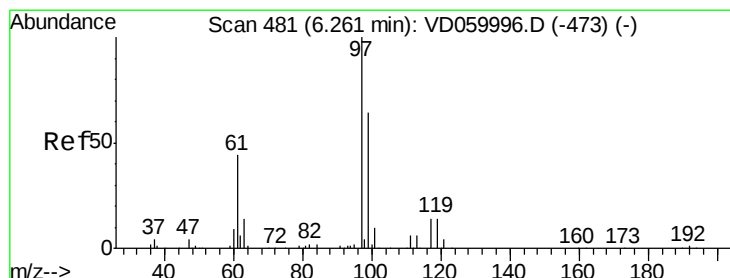
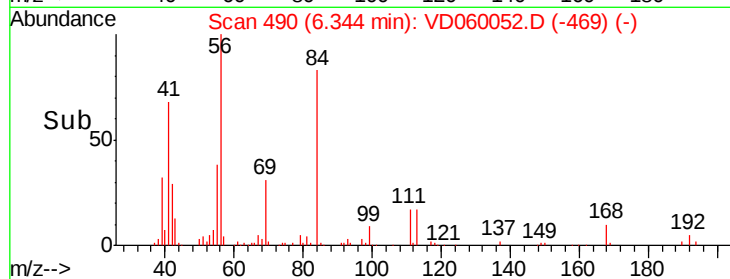
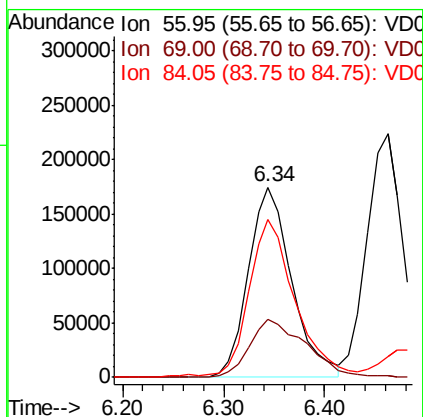
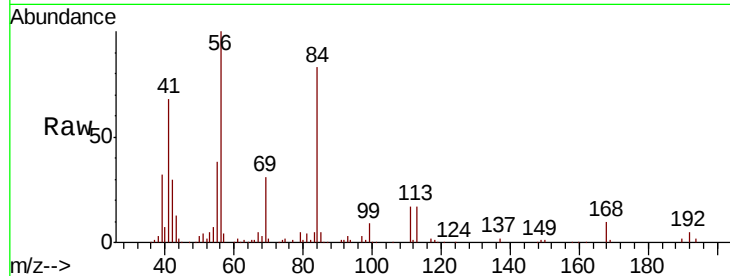




#31
Cyclohexane
Concen: 20.00 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

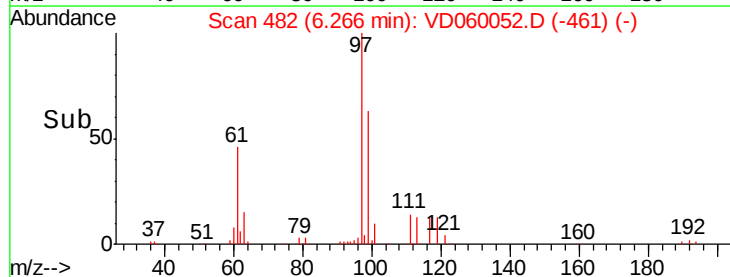
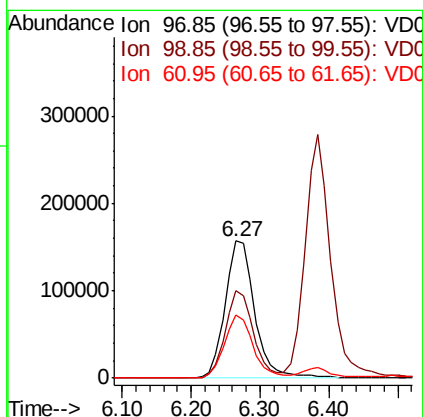
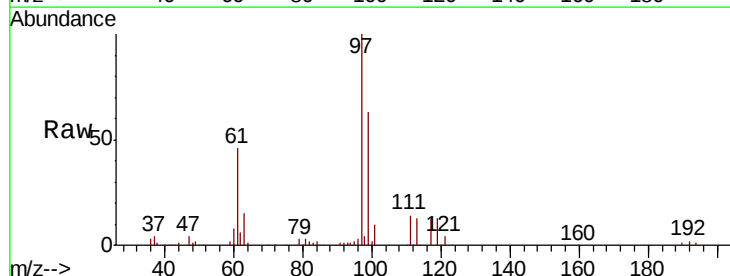
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

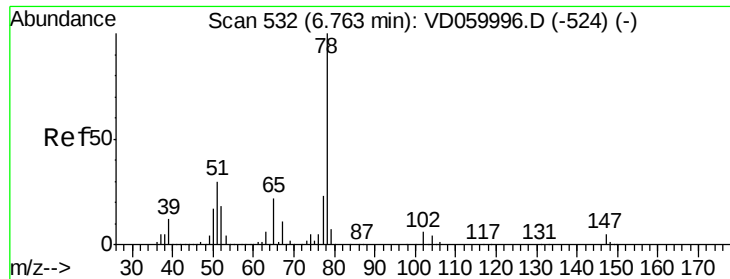
Tot Ion: 56 Resp: 521923
Ion Ratio Lower Upper
56 100
69 30.5 22.7 34.1
84 83.3 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 20.72 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion: 97 Resp: 466565
Ion Ratio Lower Upper
97 100
99 63.4 51.3 76.9
61 45.6 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 20.72 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

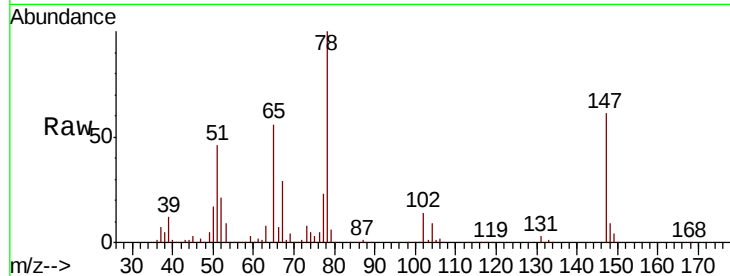
VD0920SBSD01

Tot Ion: 65 Resp: 577359

Ion Ratio Lower Upper

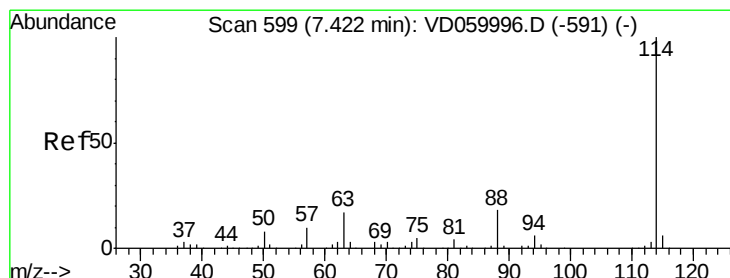
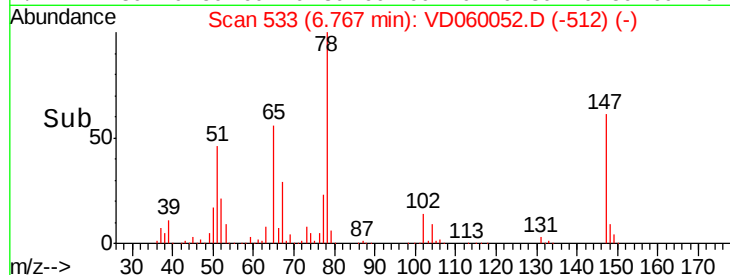
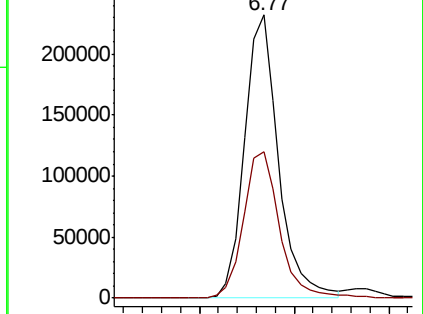
65 100

67 51.8 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

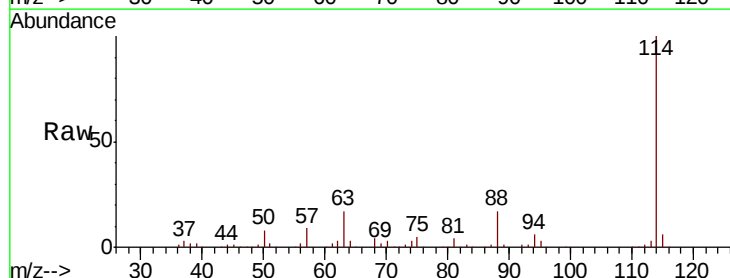
Tgt Ion:114 Resp: 2069634

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

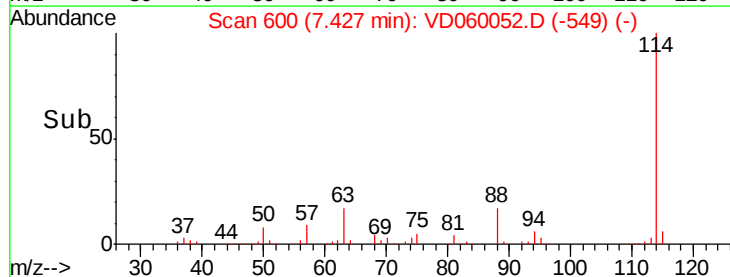
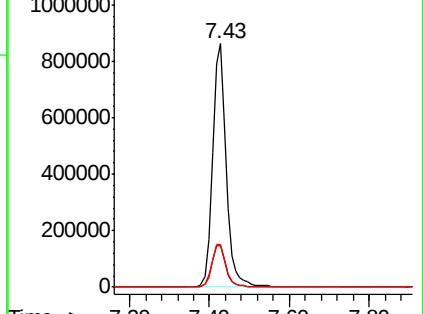
88 17.3 0.0 35.8

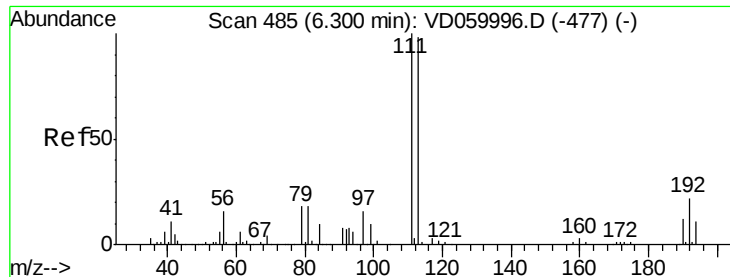


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

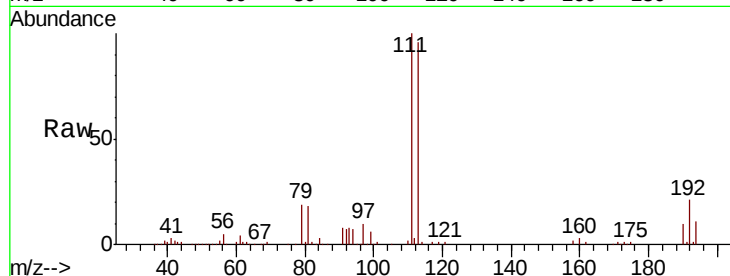




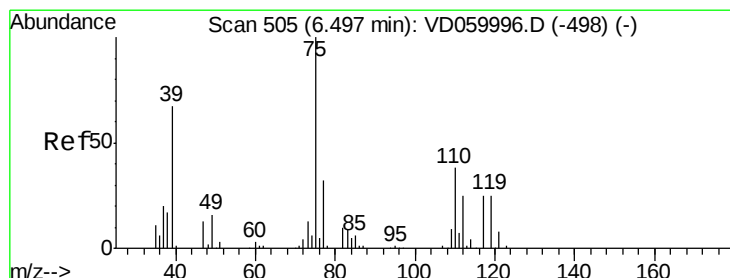
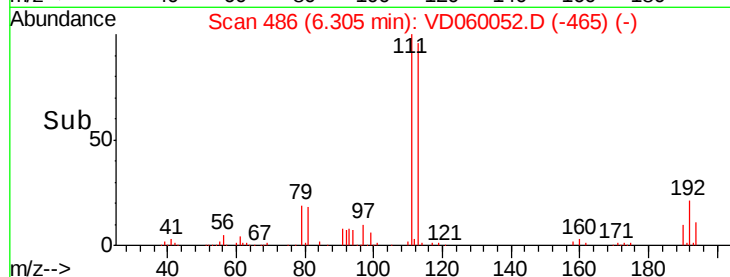
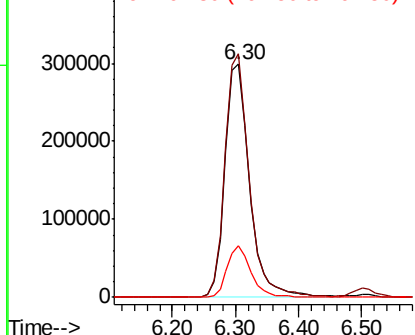
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBSD01

Tot Ion:113 Resp: 812656
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.3 121.9
 192 22.4 18.1 27.1

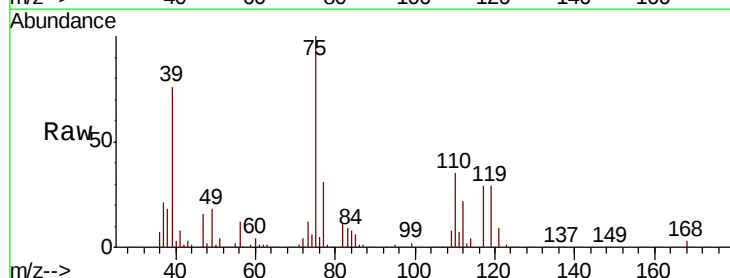


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

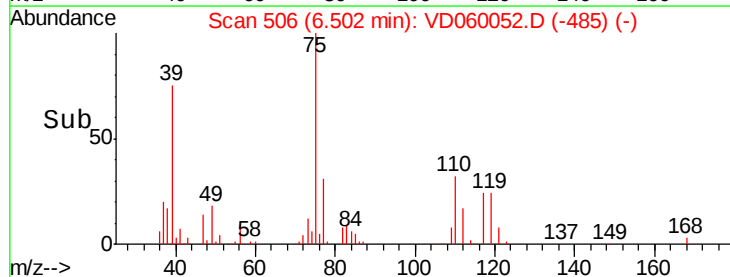
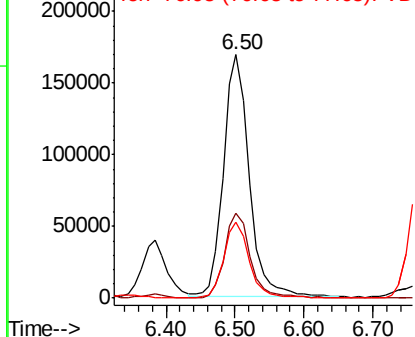


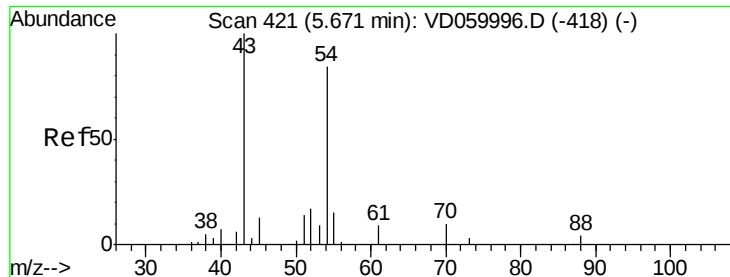
#36
 1,1-Dichloropropene
 Concen: 21.15 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion: 75 Resp: 434762
 Ion Ratio Lower Upper
 75 100
 110 35.1 18.9 56.9
 77 31.2 25.3 37.9



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

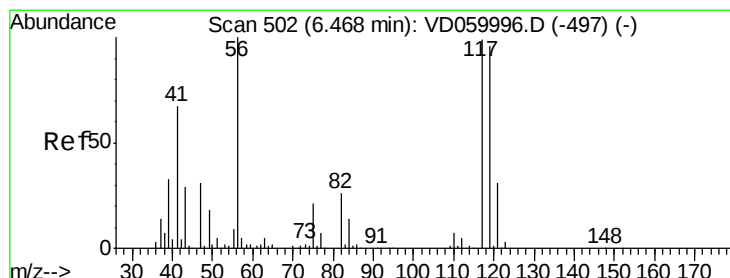
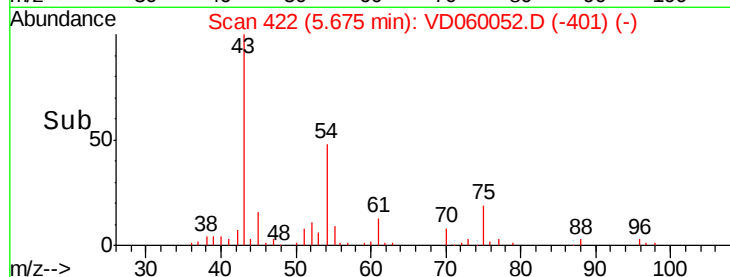
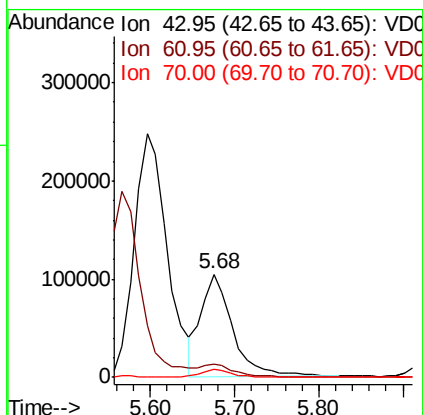
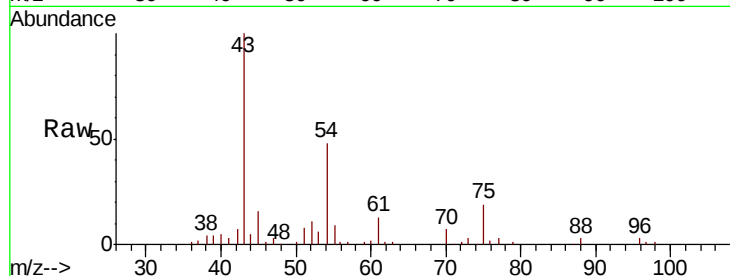




#37
Ethyl Acetate
Concen: 19.20 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

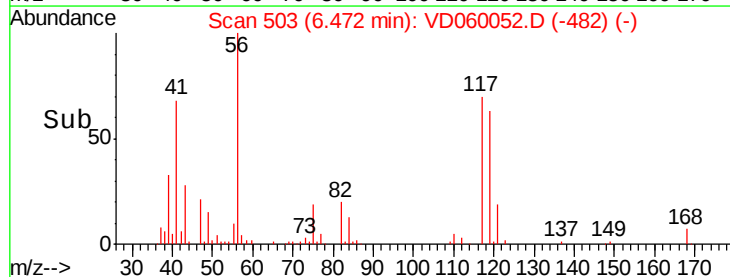
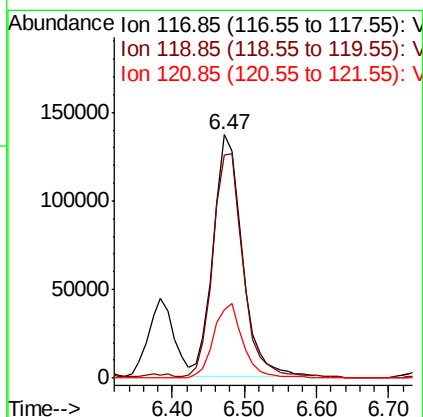
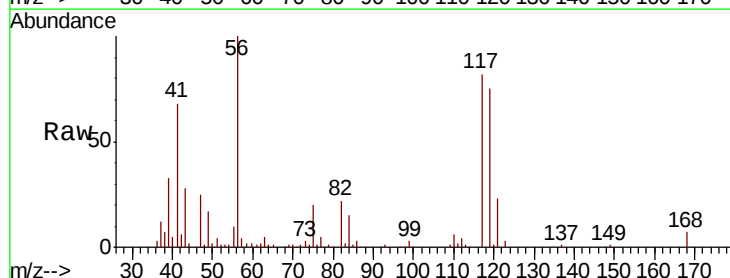
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBS01

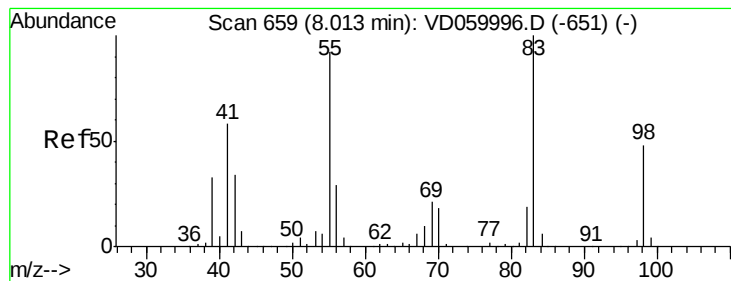
Tot Ion: 43 Resp: 271443
Ion Ratio Lower Upper
43 100
61 13.3 10.2 15.2
70 7.5 6.1 9.1



#38
Carbon Tetrachloride
Concen: 19.94 ug/l
RT: 6.47 min Scan# 503
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion: 117 Resp: 382616
Ion Ratio Lower Upper
117 100
119 91.8 76.7 115.1
121 28.2 24.9 37.3





#39

Methvlcvclohexane

Concen: 20.81 ug/l

RT: 8.02 min Scan# 660

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBSD01

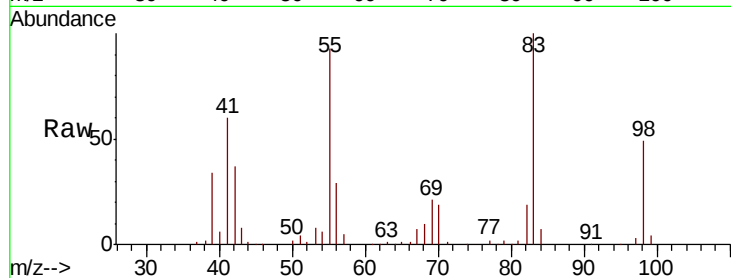
Tot Ion: 83 Resp: 484056

Ion Ratio Lower Upper

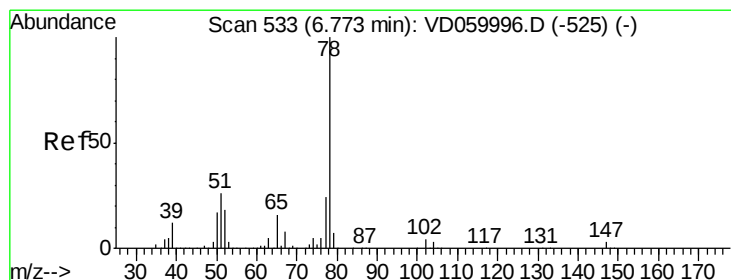
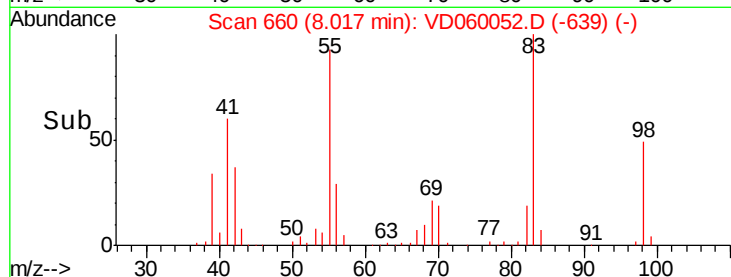
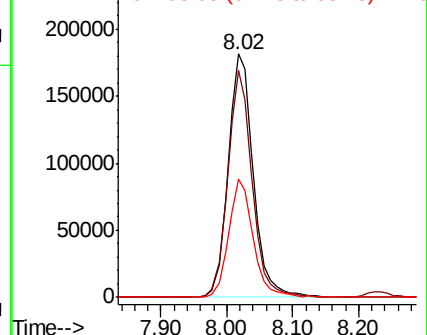
83 100

55 93.4 73.8 110.6

98 48.6 38.1 57.1



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



#40

Benzene

Concen: 21.22 ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD060052.D

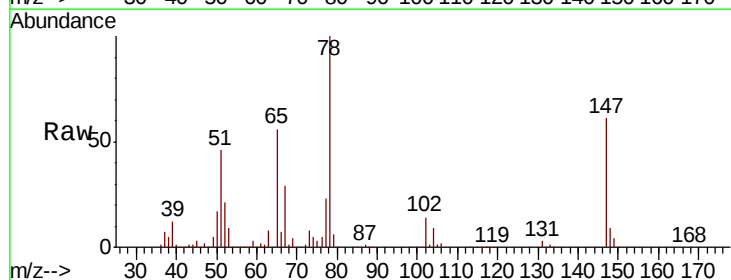
Acq: 20 Sep 2018 13:03

Tgt Ion: 78 Resp: 1111903

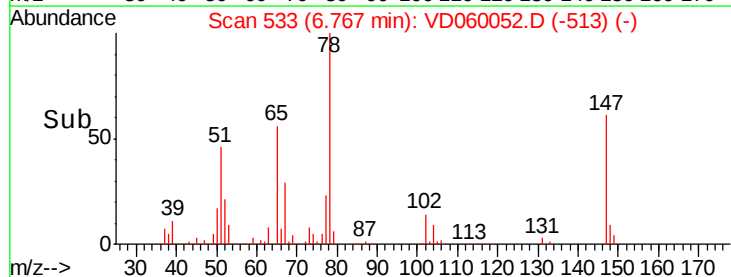
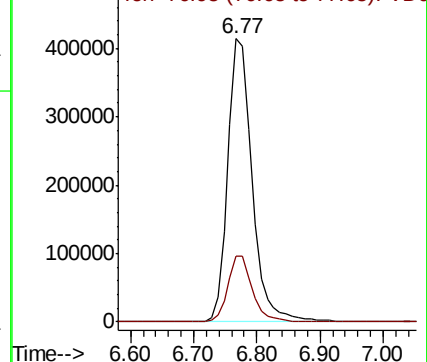
Ion Ratio Lower Upper

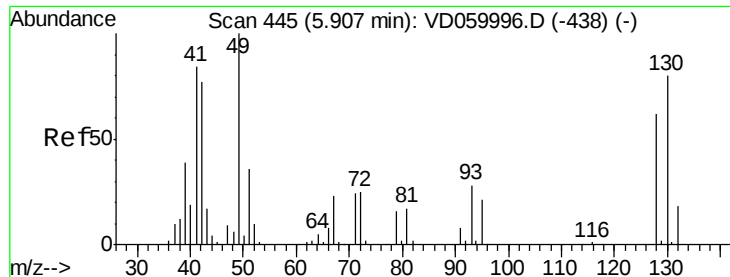
78 100

77 23.1 19.0 28.4



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

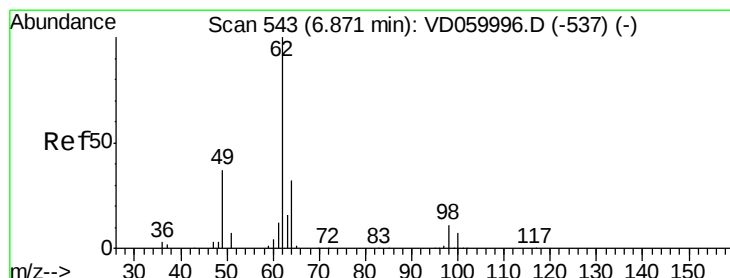
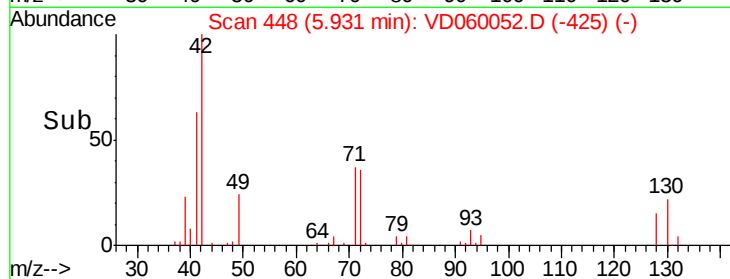
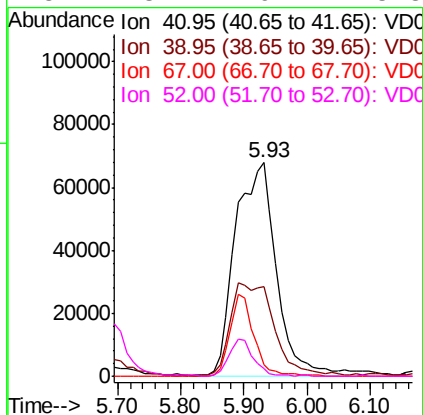
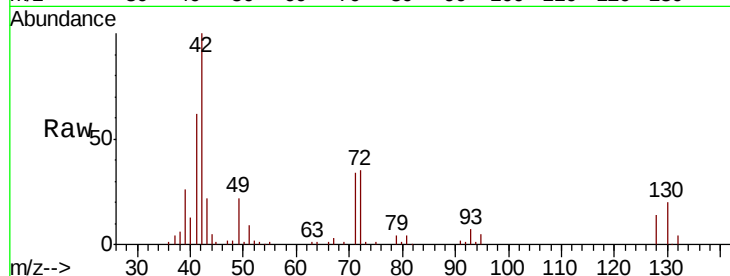




#41
Methacrylonitrile
Concen: 41.32 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.02 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

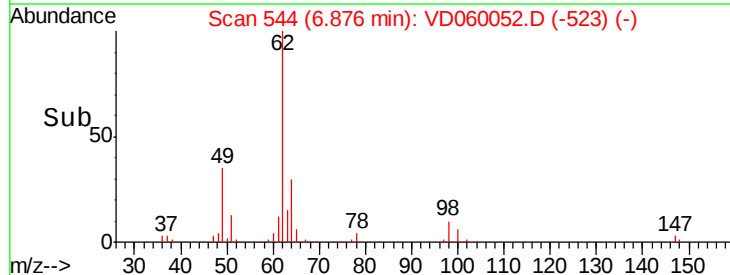
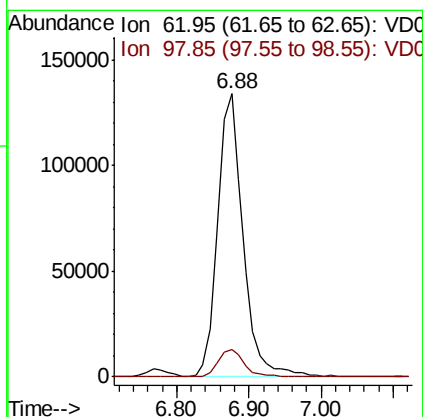
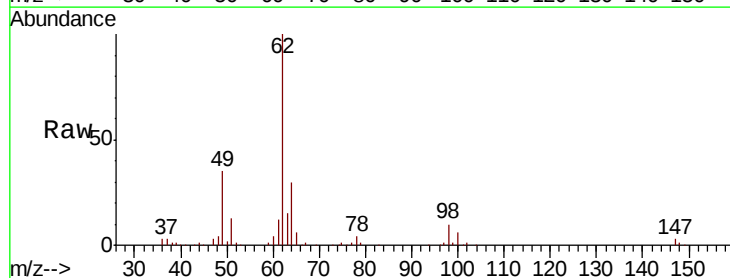
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

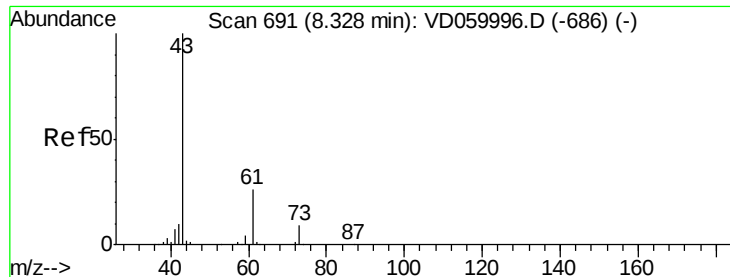
Tot Ion: 41 Resp: 305947
Ion Ratio Lower Upper
41 100
39 41.7 37.5 56.3
67 5.6 21.5 32.3#
52 3.4 9.2 13.8#



#42
1,2-Dichloroethane
Concen: 20.49 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion: 62 Resp: 322365
Ion Ratio Lower Upper
62 100
98 9.9 0.0 21.4



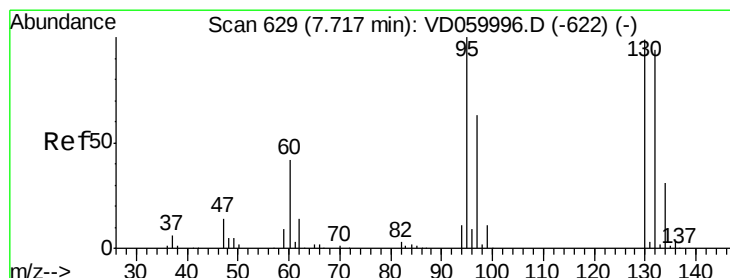
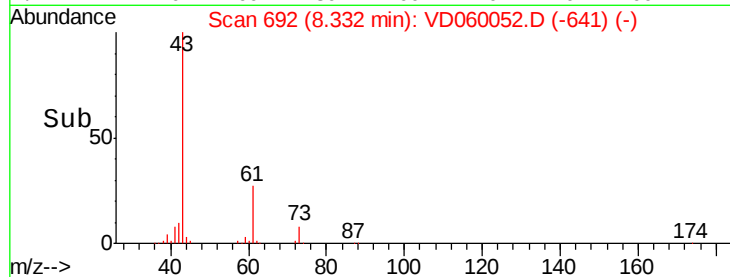
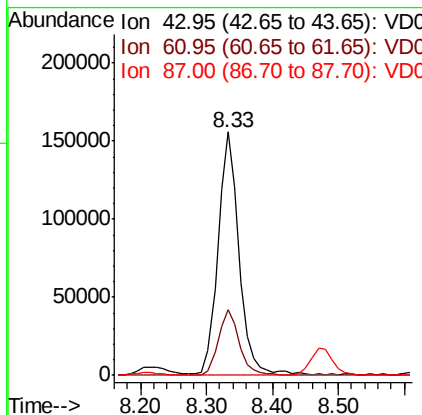
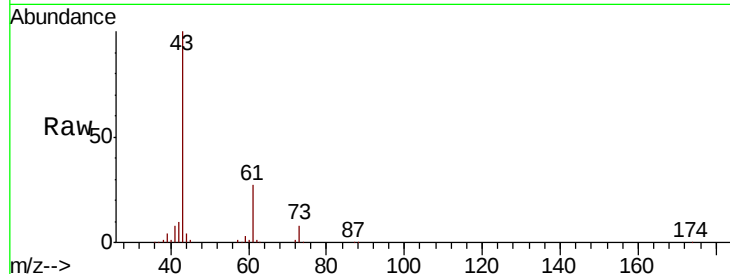


#43

Isopropyl Acetate
 Concen: 18.02 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

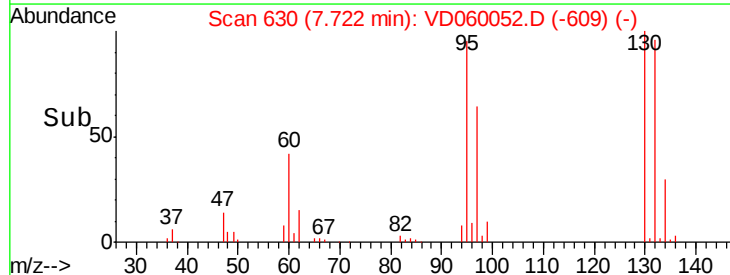
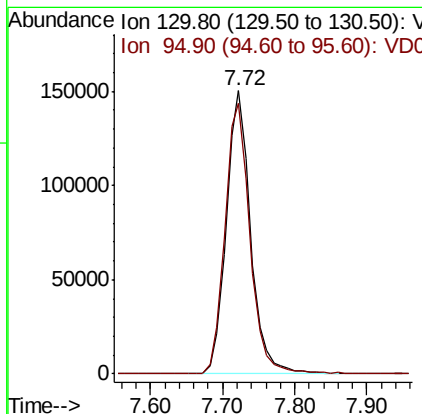
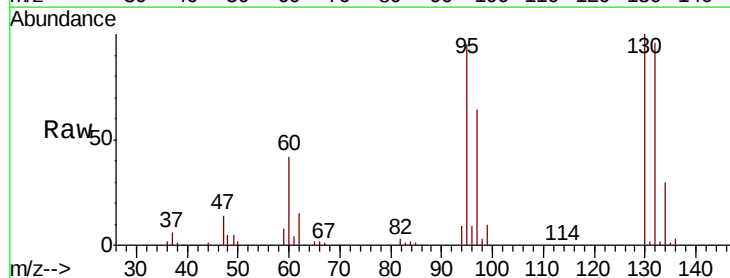
Tot Ion: 43 Resp: 341111
 Ion Ratio Lower Upper
 43 100
 61 26.8 21.0 31.6
 87 0.3 0.2 0.2#

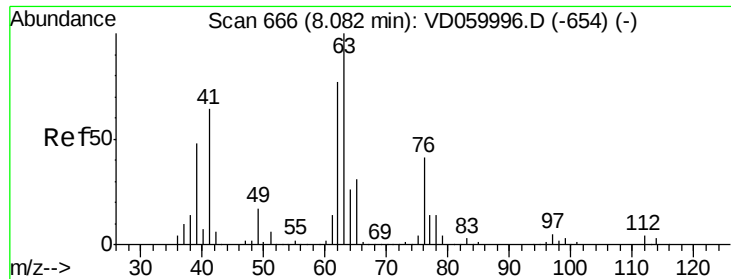


#44

Trichloroethene
 Concen: 21.65 ug/l
 RT: 7.72 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion: 130 Resp: 350571
 Ion Ratio Lower Upper
 130 100
 95 95.5 0.0 202.0





#45

1,2-Dichloropropane

Concen: 21.14 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

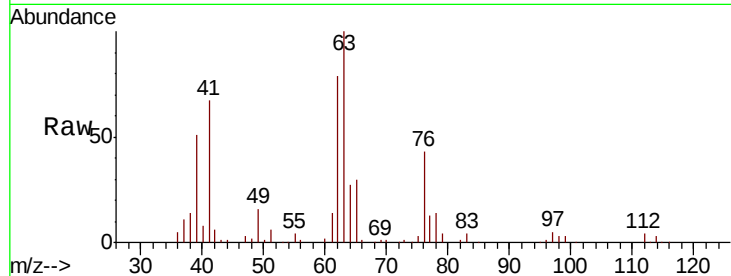
VD0920SBSD01

Tot Ion: 63 Resp: 296144

Ion Ratio Lower Upper

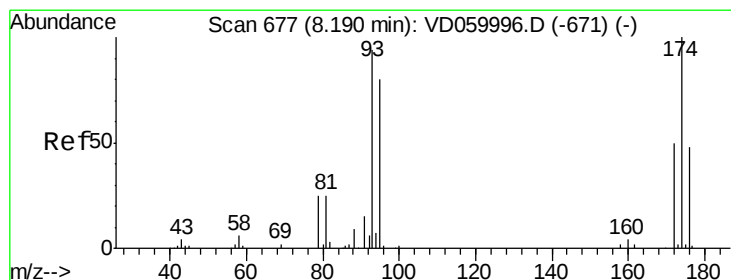
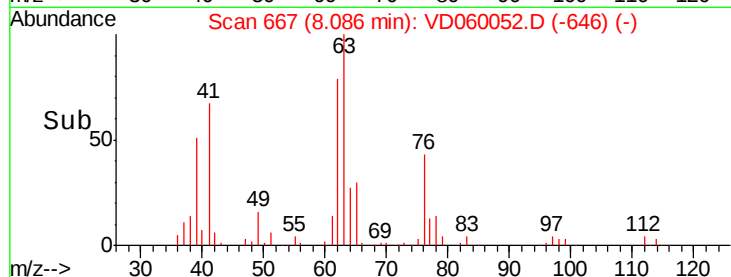
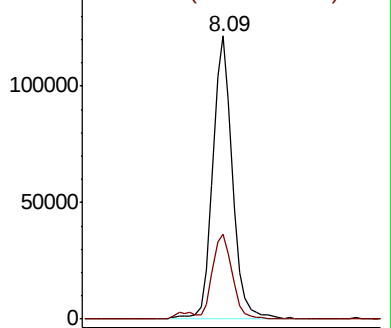
63 100

65 30.2 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.66 ug/l

RT: 8.19 min Scan# 678

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

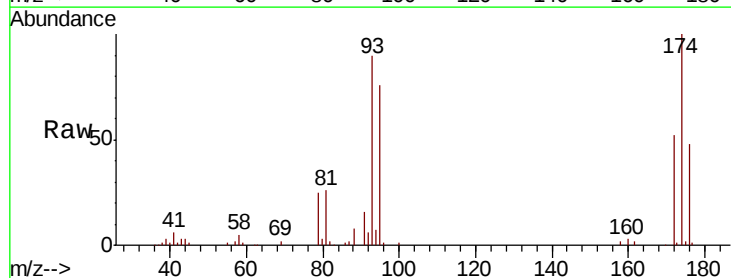
Tgt Ion: 93 Resp: 179730

Ion Ratio Lower Upper

93 100

95 84.4 68.0 102.0

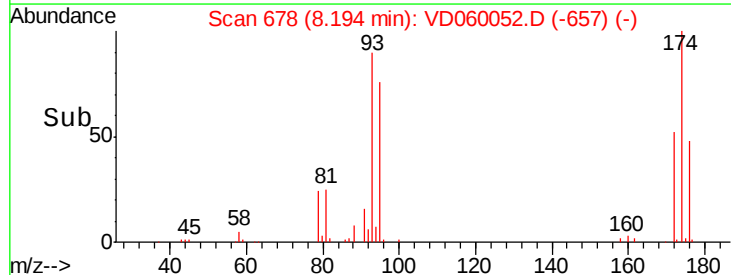
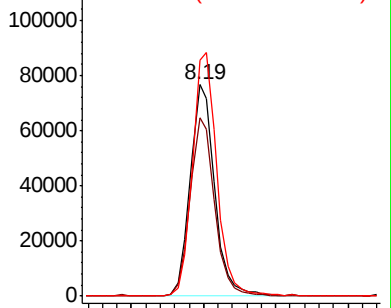
174 111.4 85.4 128.2

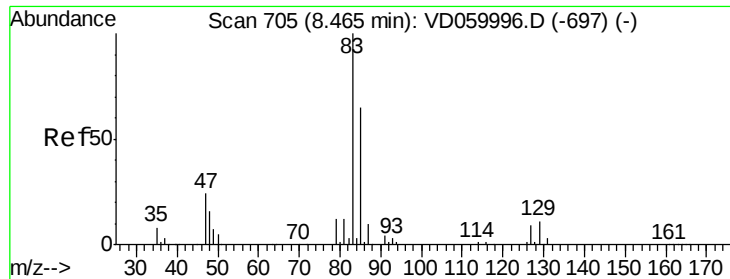


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.87 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBSD01

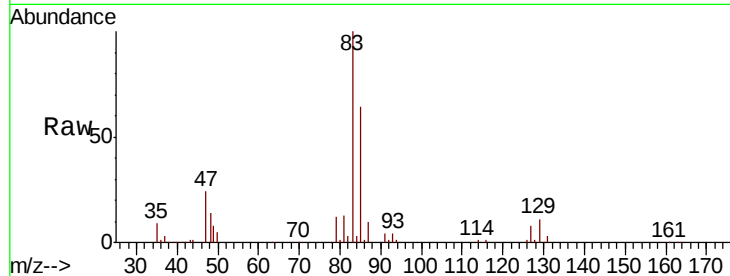
Tot Ion: 83 Resp: 411399

Ion Ratio Lower Upper

83 100

85 63.9 51.9 77.9

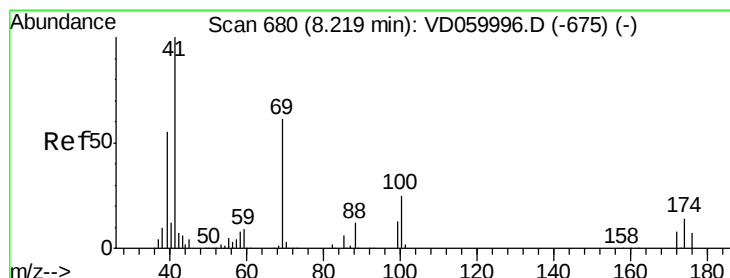
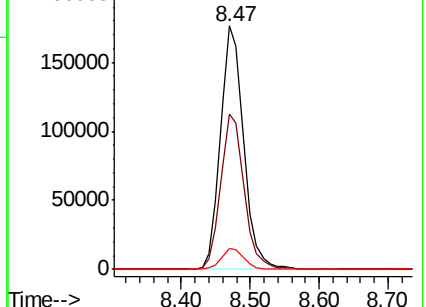
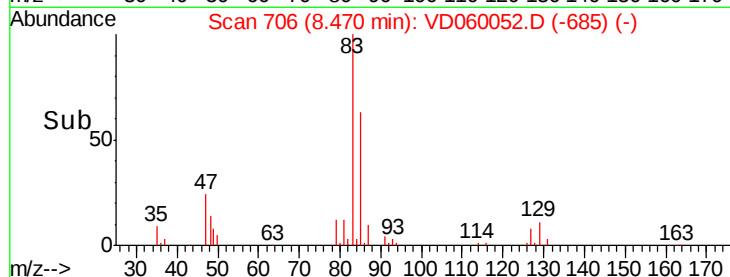
127 8.4 6.8 10.2



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.01 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

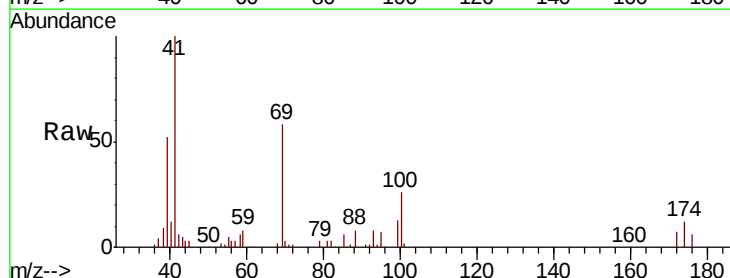
Tgt Ion: 41 Resp: 200363

Ion Ratio Lower Upper

41 100

69 57.9 48.3 72.5

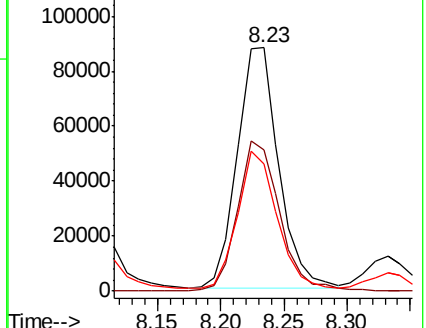
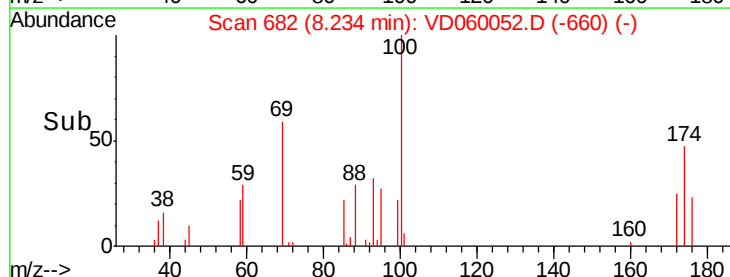
39 52.3 44.1 66.1

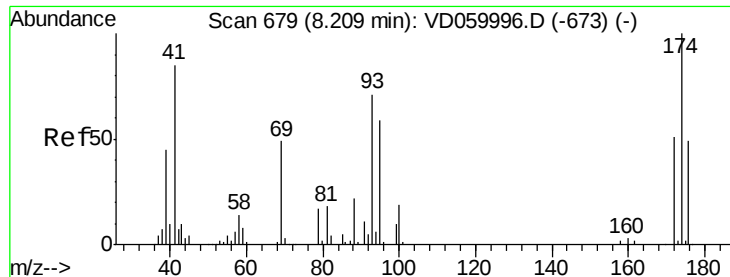


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 350.35 ug/l

RT: 8.21 min Scan# 680

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBSD01

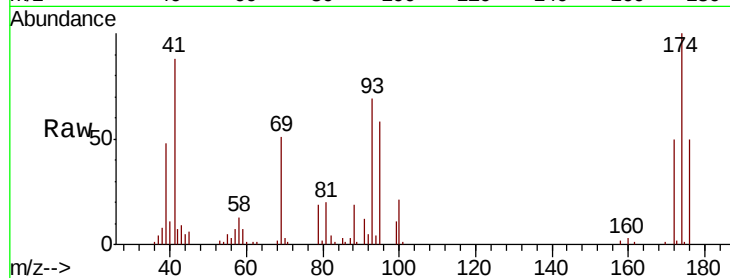
Tot Ion: 88 Resp: 36685

Ion Ratio Lower Upper

88 100

43 46.8 36.2 54.2

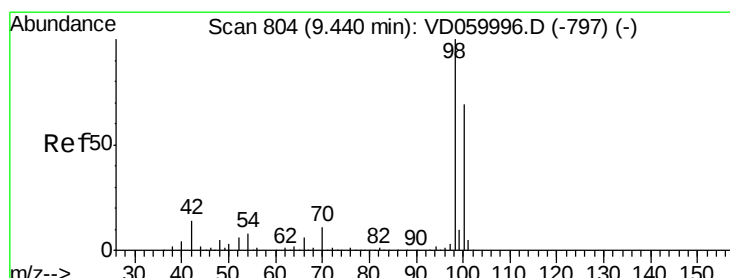
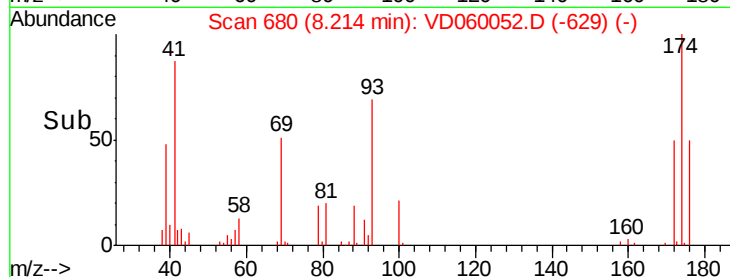
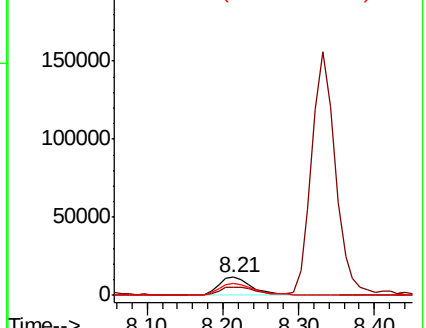
58 66.9 51.0 76.6



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 350.35 ug/l

RT: 9.43 min Scan# 804

Delta R.T. -0.01 min

Lab File: VD060052.D

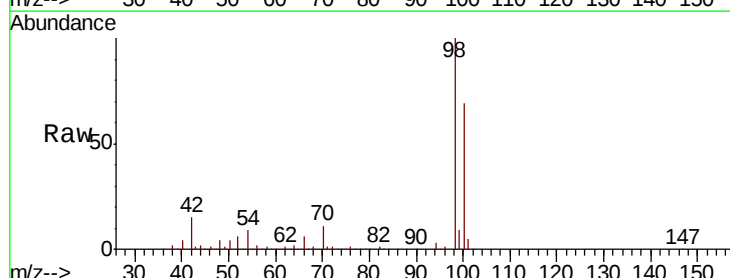
Acq: 20 Sep 2018 13:03

Tgt Ion: 98 Resp: 2256938

Ion Ratio Lower Upper

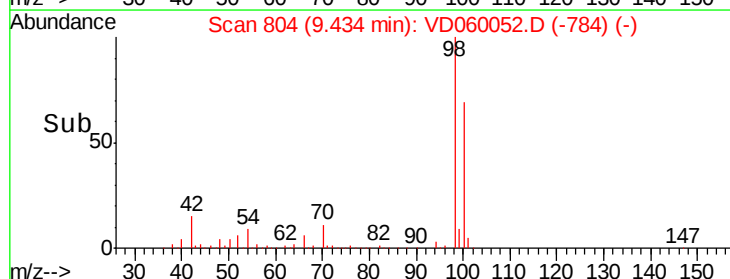
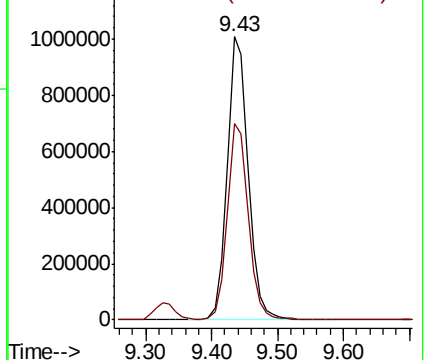
98 100

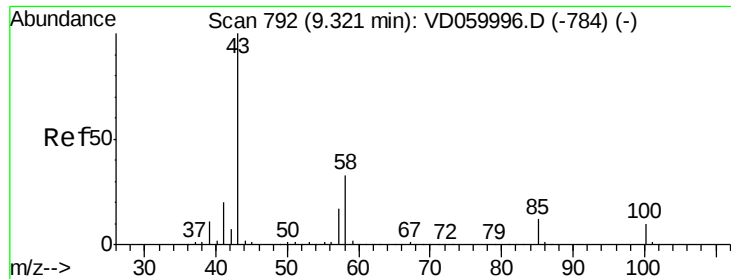
100 69.4 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 99.31 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

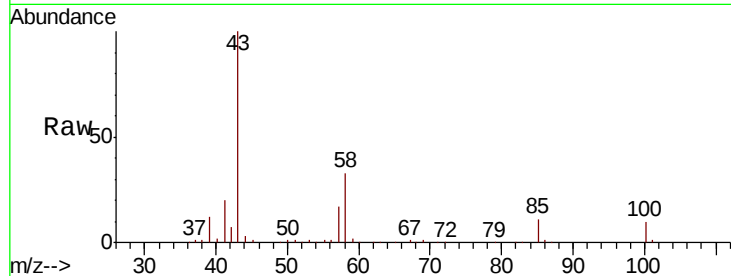
VD0920SBS01

Tot Ion: 43 Resp: 1388291

Ion Ratio Lower Upper

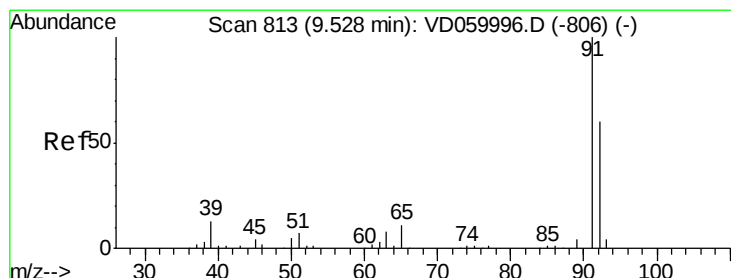
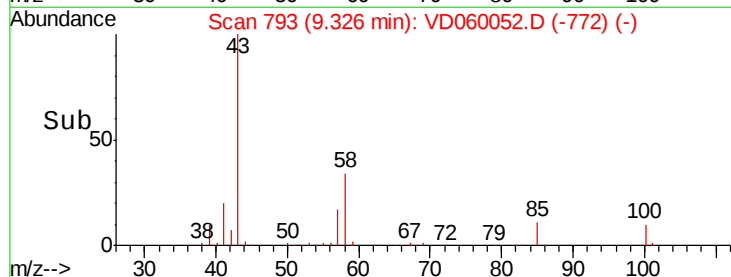
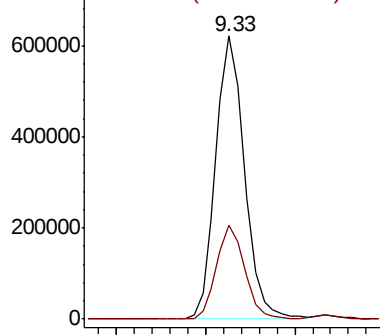
43 100

58 33.3 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.48 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.00 min

Lab File: VD060052.D

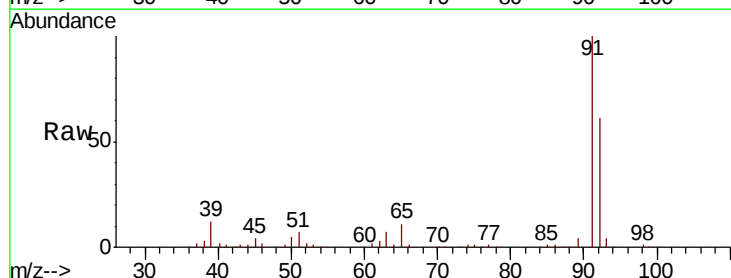
Acq: 20 Sep 2018 13:03

Tgt Ion: 92 Resp: 721449

Ion Ratio Lower Upper

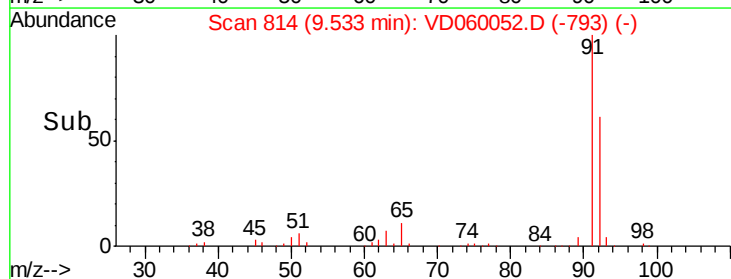
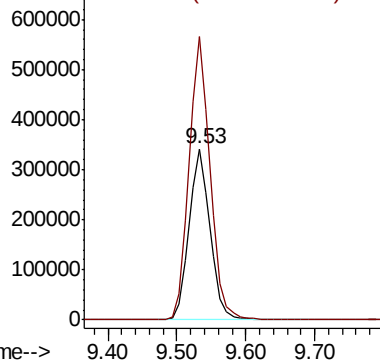
92 100

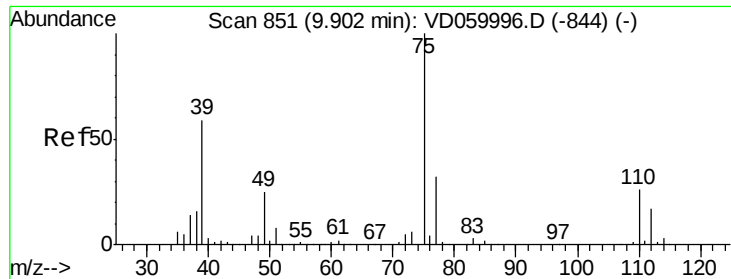
91 165.2 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

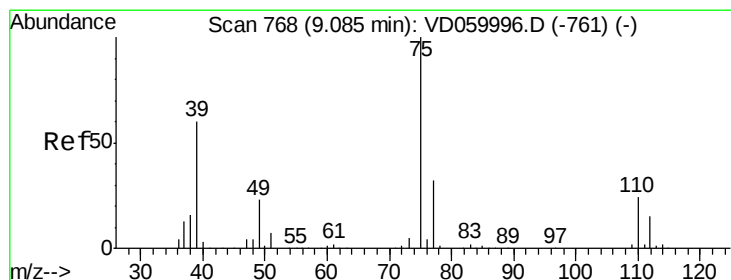
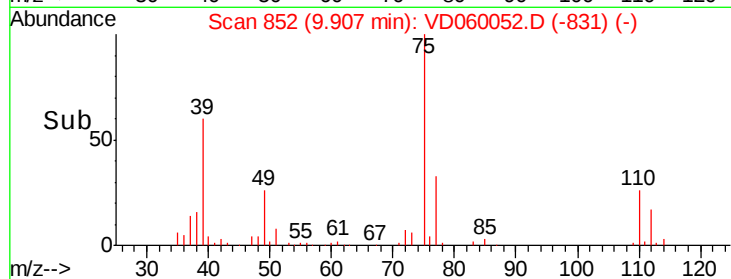
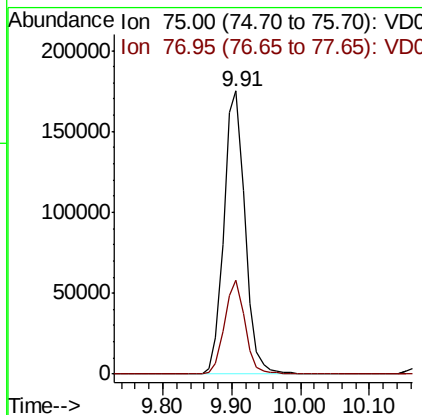
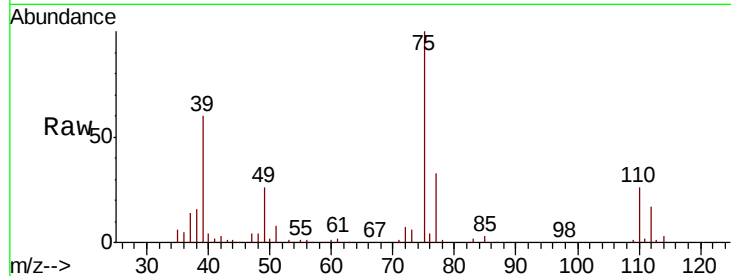




#53
 t-1,3-Dichloropropene
 Concen: 20.17 ug/l
 RT: 9.91 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

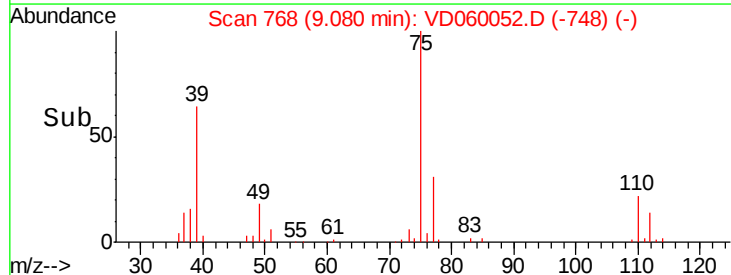
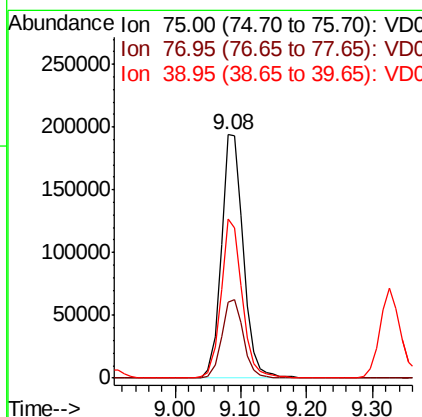
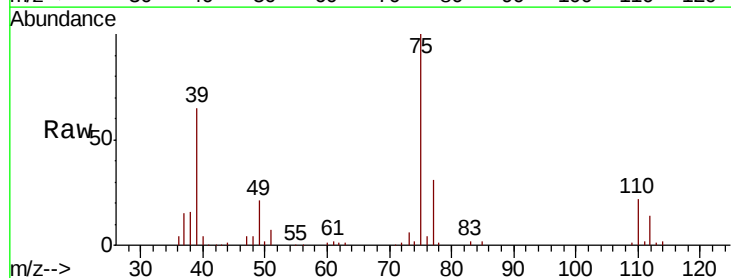
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBSD01

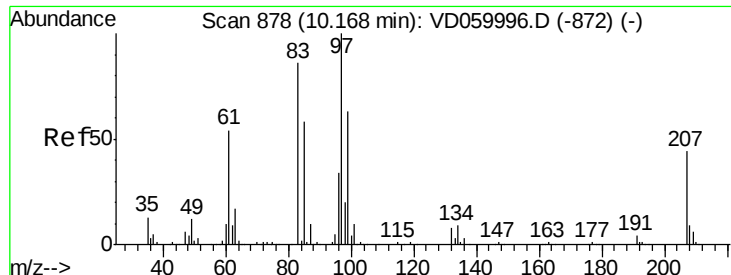
Tot Ion: 75 Resp: 370778
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.55 ug/l
 RT: 9.08 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion: 75 Resp: 451372
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.5 38.3
 39 65.2 48.0 72.0





#55

1,1,2-Trichloroethane

Concen: 20.26 ug/l

RT: 10.17 min Scan# 879

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

Tot Ion: 97 Resp: 236208

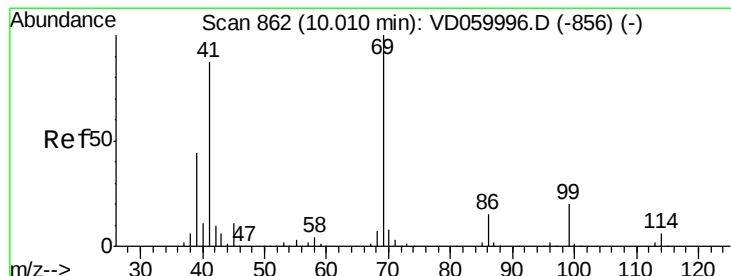
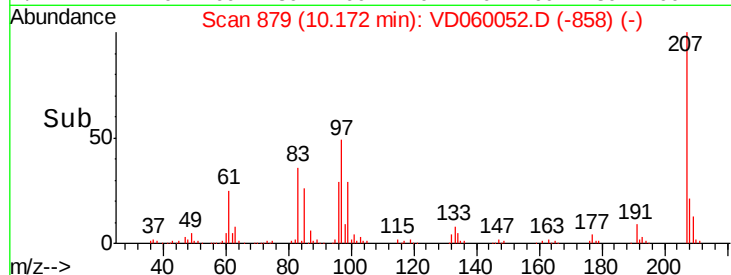
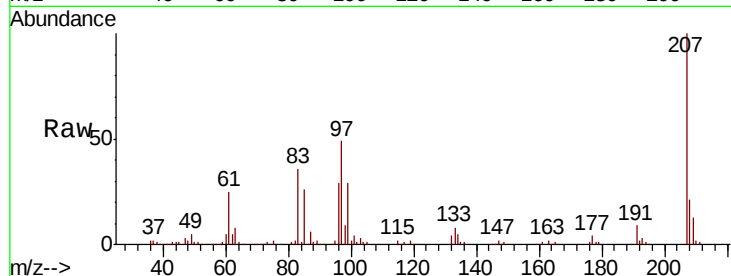
Ion	Ratio	Lower	Upper
97	100		
83	73.3	69.1	103.7
85	53.1	46.2	69.4
99	58.7	50.6	75.8

Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 19.19 ug/l

RT: 10.01 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

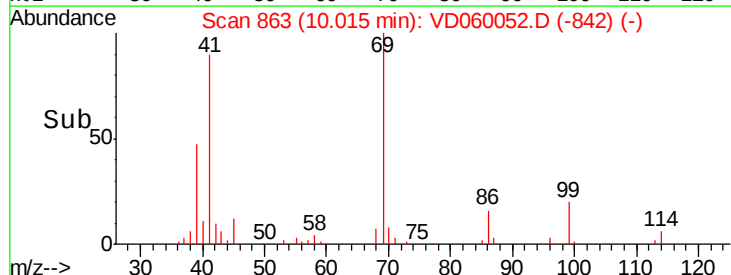
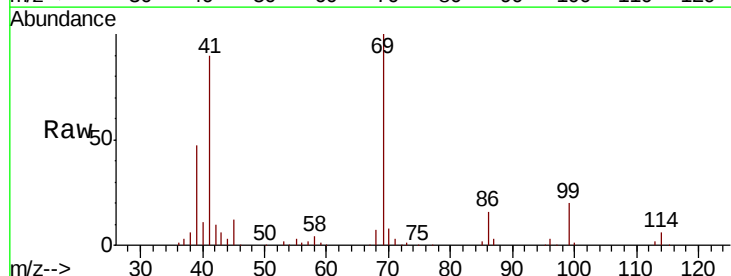
Tgt Ion: 69 Resp: 248244

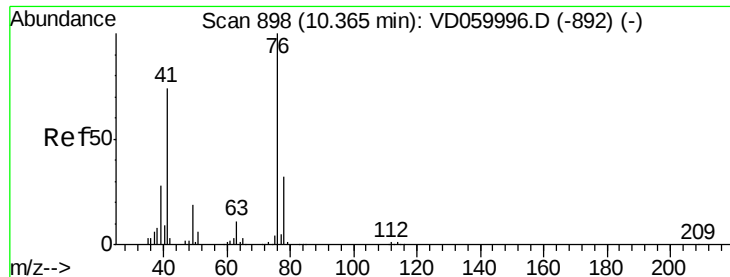
Ion	Ratio	Lower	Upper
69	100		
41	90.2	70.1	105.1
39	46.5	36.5	54.7

Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.55 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

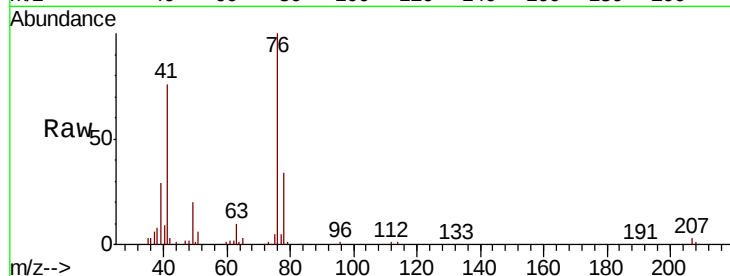
VD0920SBSD01

Tot Ion: 76 Resp: 353755

Ion Ratio Lower Upper

76 100

78 33.5 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.37

200000

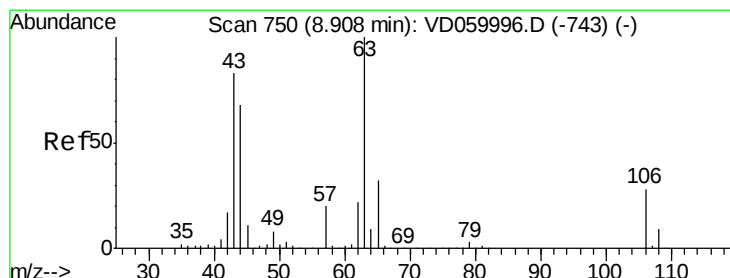
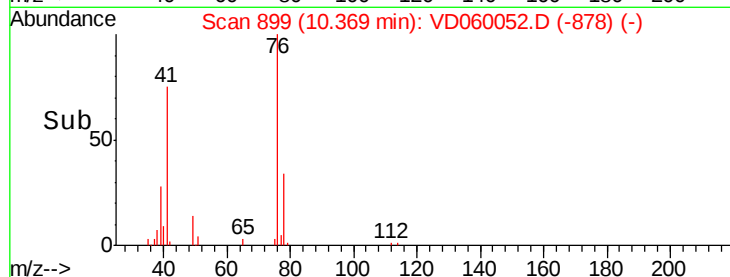
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 106.02 ug/l

RT: 8.90 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD060052.D

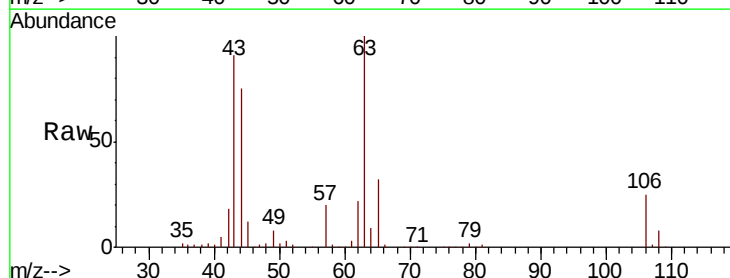
Acq: 20 Sep 2018 13:03

Tgt Ion: 63 Resp: 662194

Ion Ratio Lower Upper

63 100

106 24.8 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.90

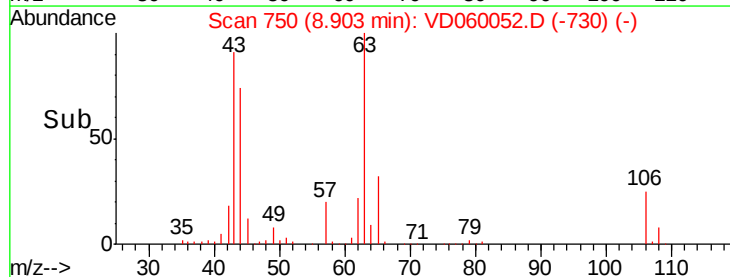
300000

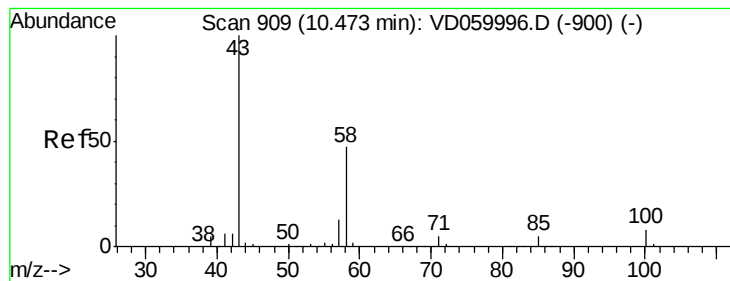
200000

100000

0

Time-->





#59

2-Hexanone

Concen: 101.16 ug/l

RT: 10.48 min Scan# 910

Delta R.T. 0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

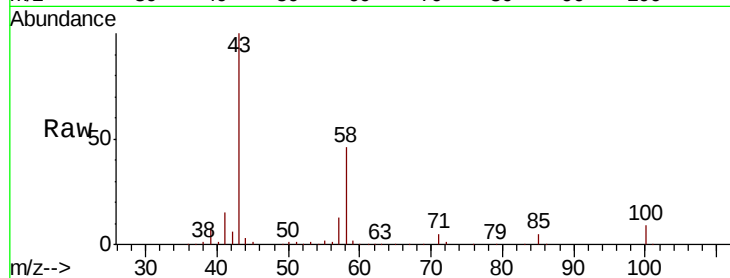
VD0920SBSD01

Tot Ion: 43 Resp: 1017781

Ion Ratio Lower Upper

43 100

58 45.7 23.4 70.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.48

600000

500000

400000

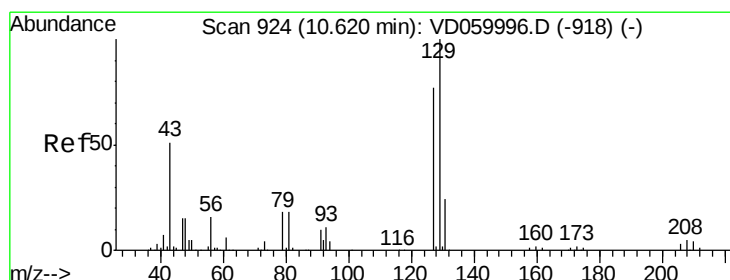
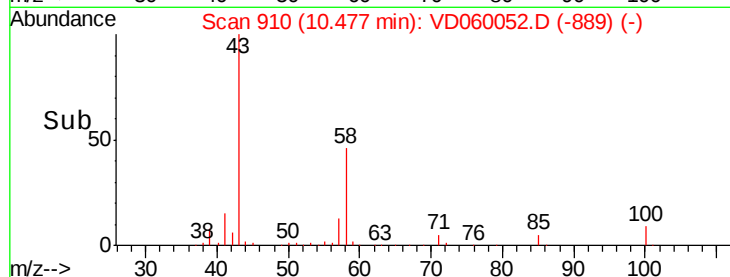
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 19.81 ug/l

RT: 10.62 min Scan# 925

Delta R.T. 0.00 min

Lab File: VD060052.D

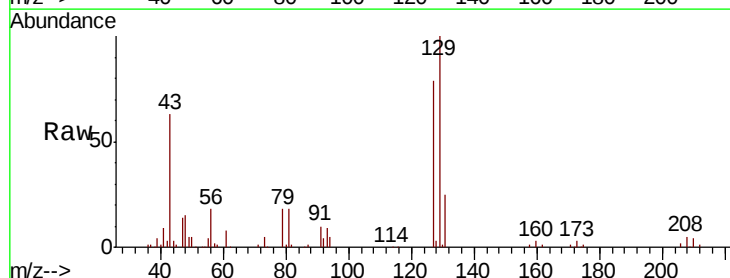
Acq: 20 Sep 2018 13:03

Tgt Ion:129 Resp: 281160

Ion Ratio Lower Upper

129 100

127 78.7 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.62

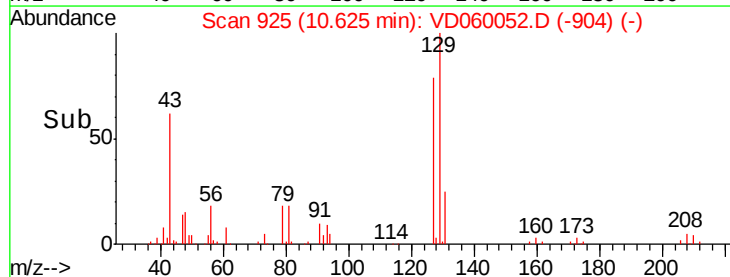
150000

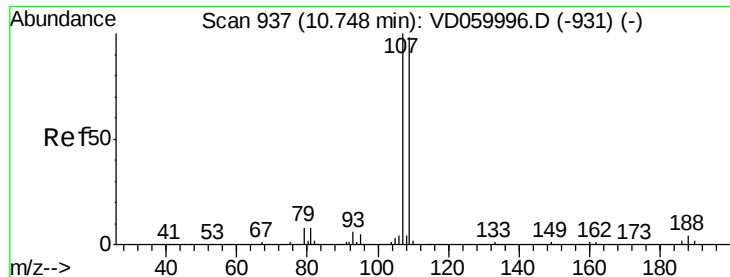
100000

50000

0

Time-->

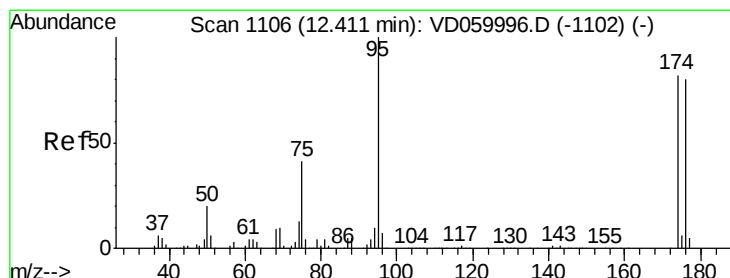
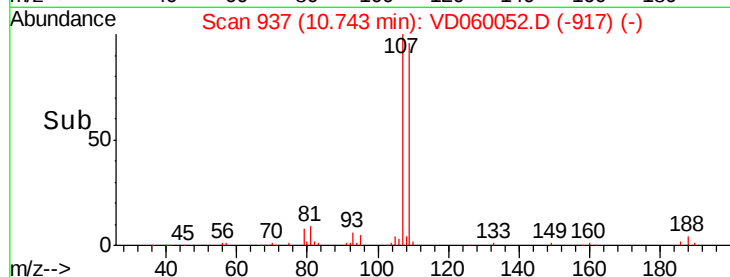
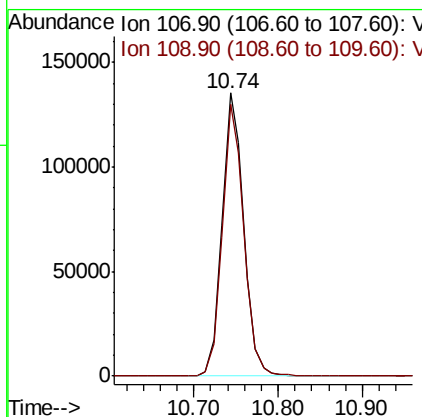
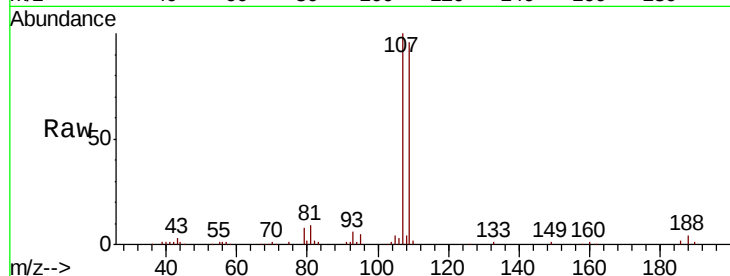




#61
 1,2-Dibromoethane
 Concen: 19.91 ug/l
 RT: 10.74 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

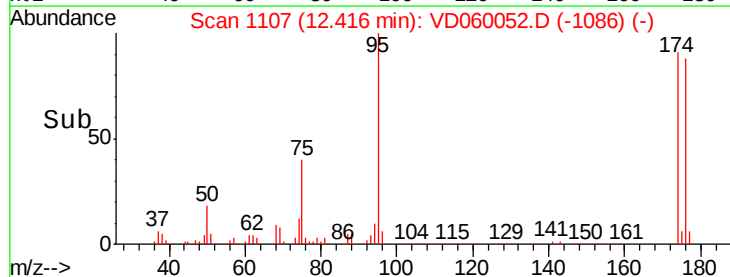
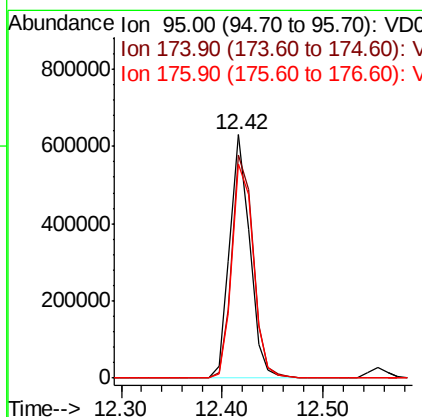
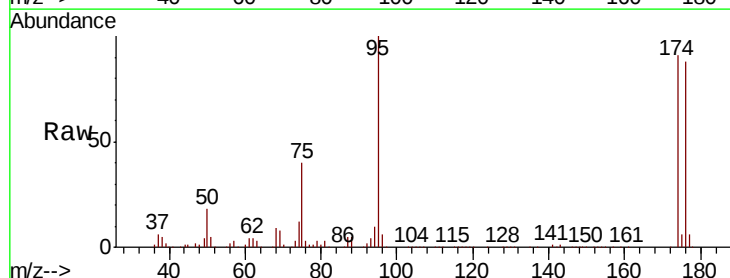
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBSD01

Tot Ion:107 Resp: 239690
 Ion Ratio Lower Upper
 107 100
 109 95.9 78.2 117.2



#62
 4-Bromofluorobenzene
 Concen: 19.91 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion: 95 Resp: 870670
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 165.0
 176 87.9 0.0 160.2

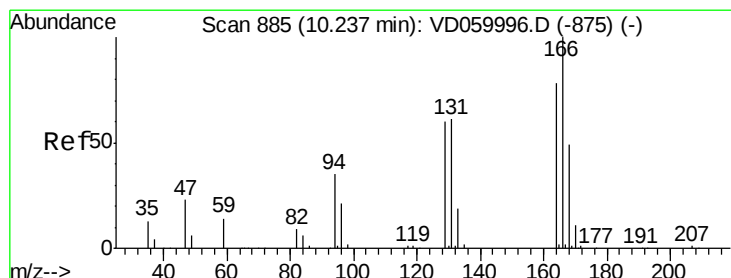
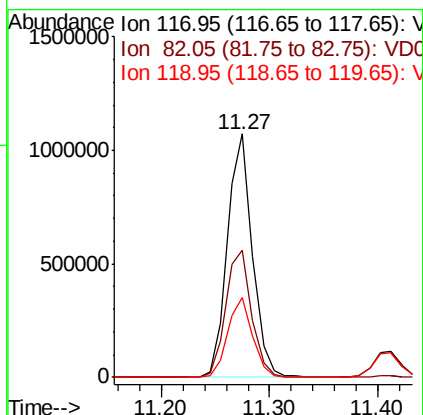
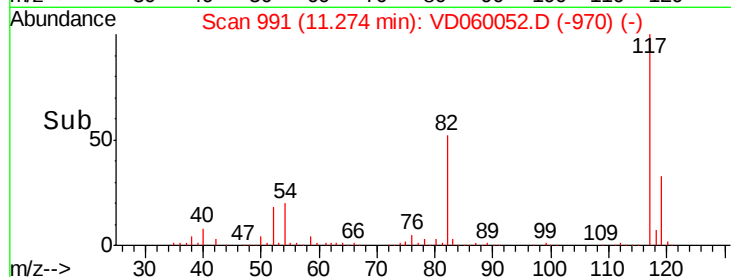
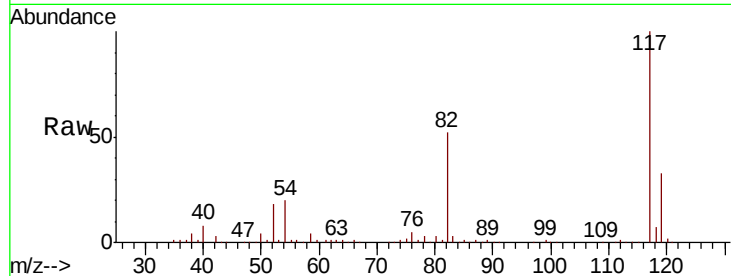




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

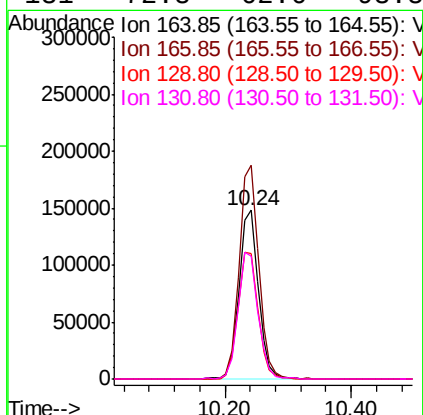
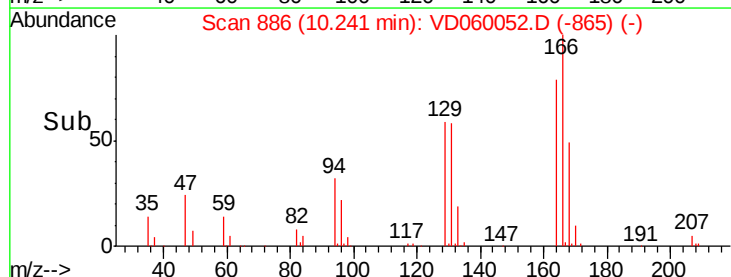
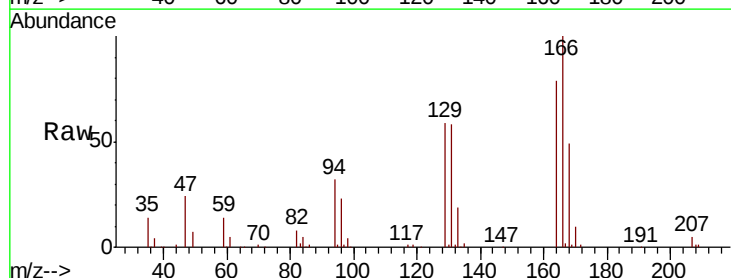
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

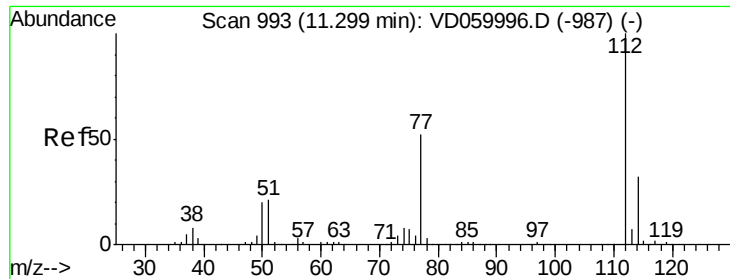
Tot Ion:117 Resp: 1717227
Ion Ratio Lower Upper
117 100
82 52.1 41.7 62.5
119 32.5 26.0 39.0



#64
Tetrachloroethene
Concen: 20.61 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion:164 Resp: 312292
Ion Ratio Lower Upper
164 100
166 126.5 103.0 154.6
129 74.4 61.9 92.9
131 72.8 62.6 93.8

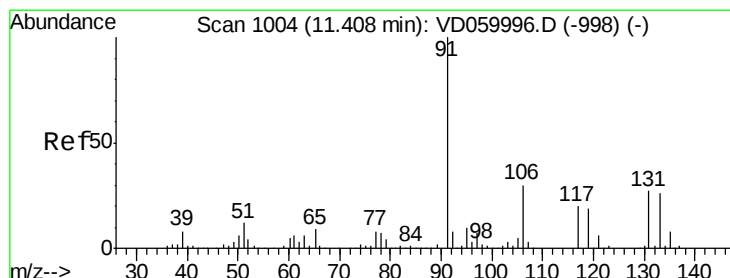
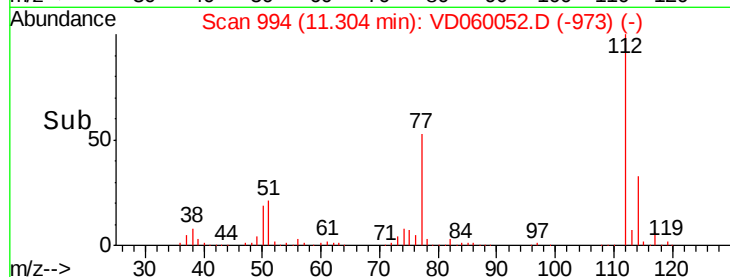
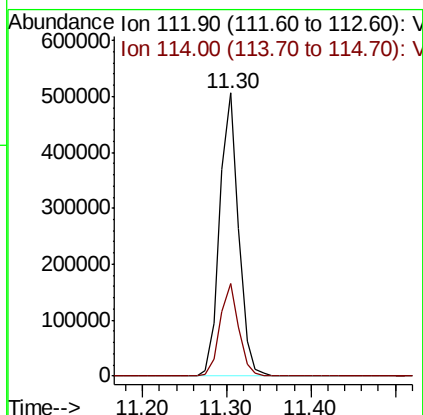
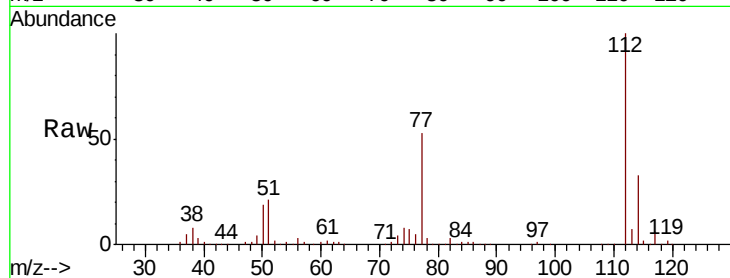




#65
Chlorobenzene
Concen: 21.26 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

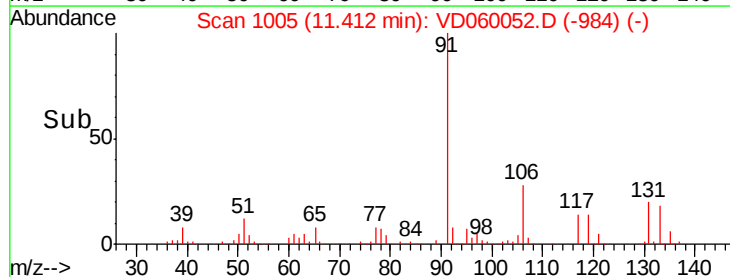
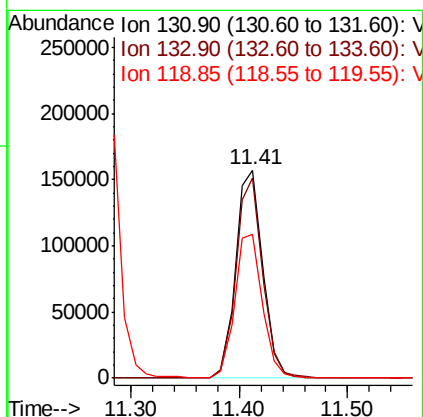
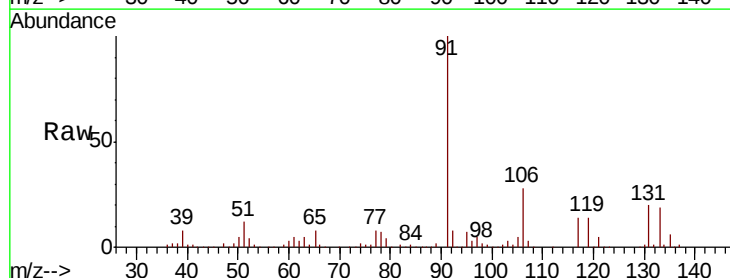
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

Tot Ion:112 Resp: 785041
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.86 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion:131 Resp: 272238
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.3
119 68.9 35.6 106.9

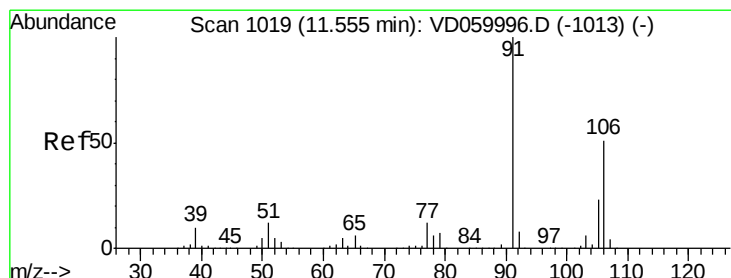
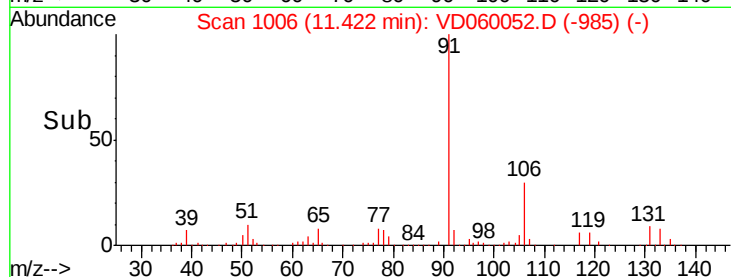
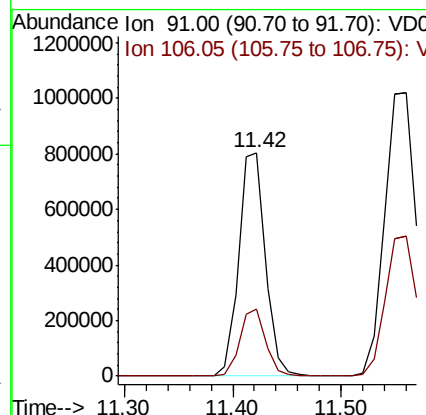
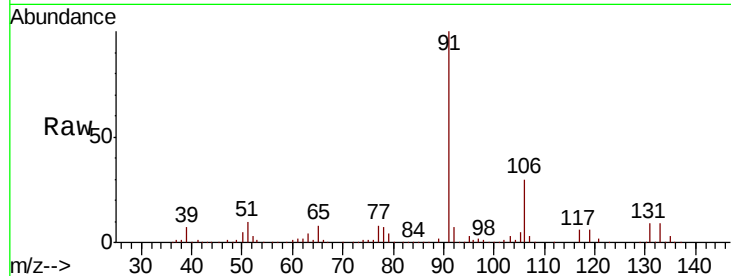




#67
Ethyl Benzene
Concen: 23.22 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

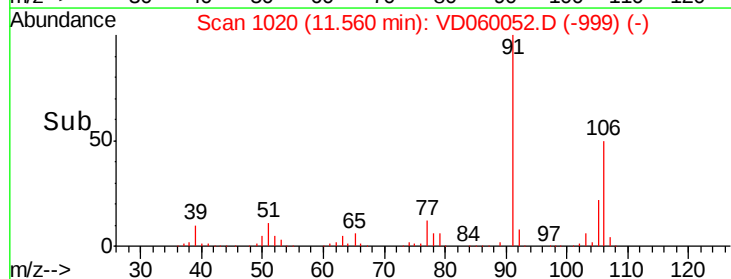
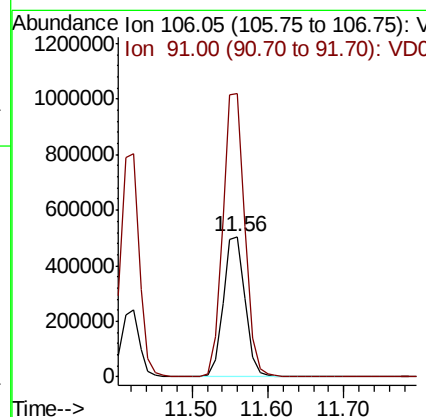
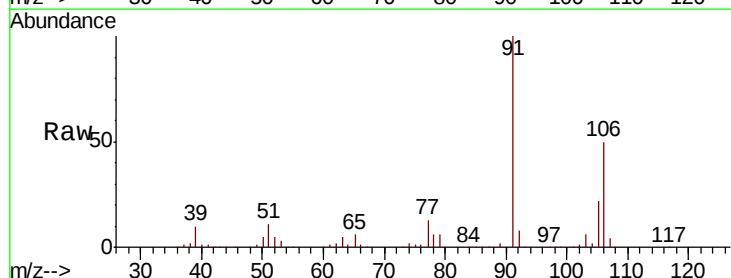
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBS01

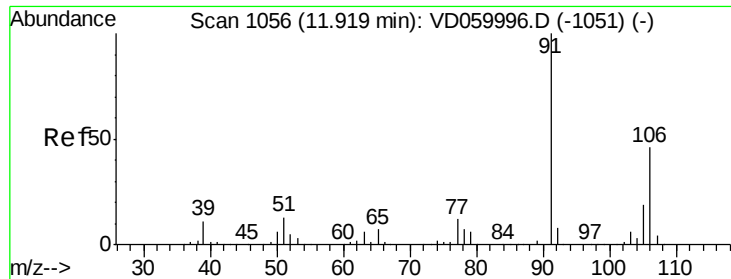
Tot Ion: 91 Resp: 1379805
Ion Ratio Lower Upper
91 100
106 30.1 24.8 37.2



#68
m/p-Xylenes
Concen: 45.94 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion: 106 Resp: 1008117
Ion Ratio Lower Upper
106 100
91 201.8 157.0 235.6

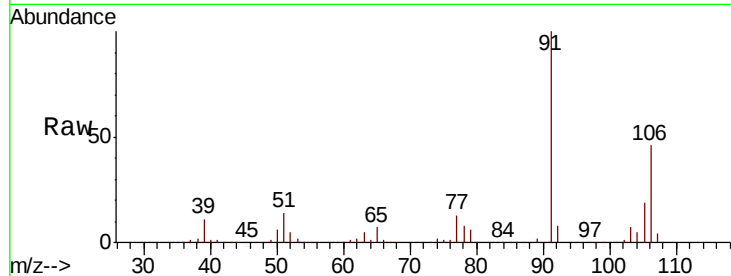




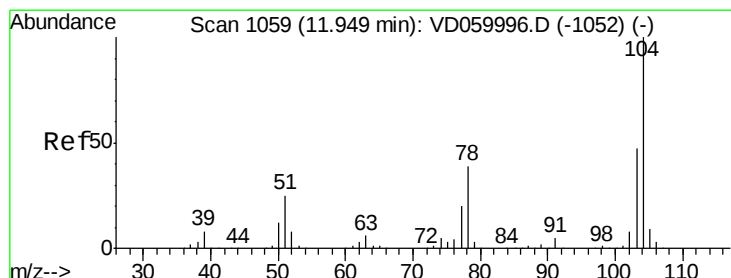
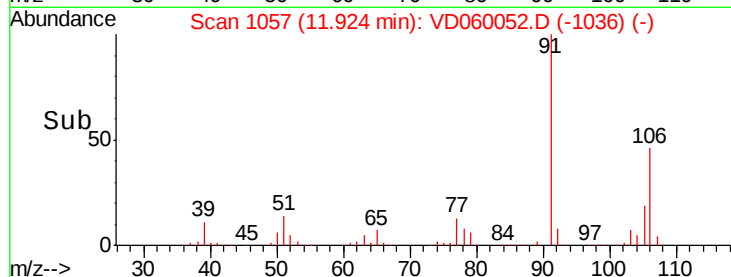
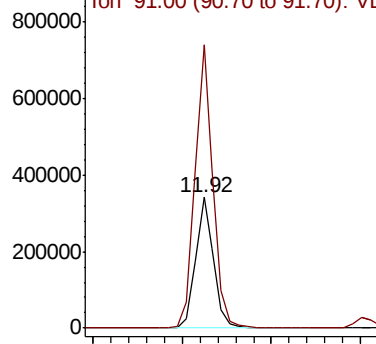
#69
o-Xylene
Concen: 22.29 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBS01

Tot Ion:106 Resp: 484669
Ion Ratio Lower Upper
106 100
91 217.0 107.7 323.1

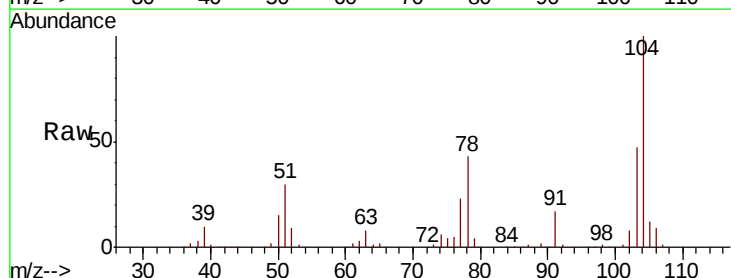


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

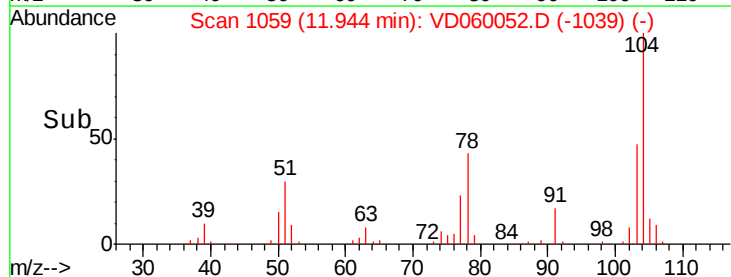
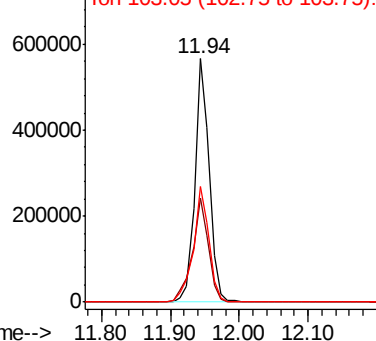


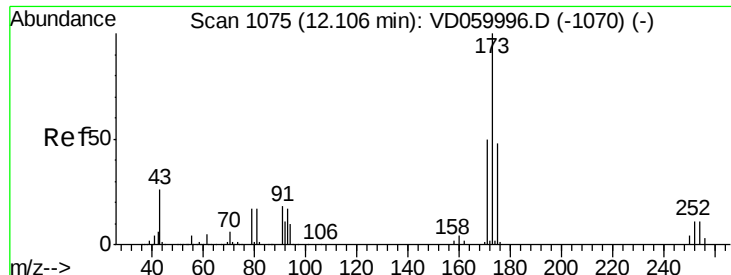
#70
Styrene
Concen: 22.26 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion:104 Resp: 813676
Ion Ratio Lower Upper
104 100
78 43.0 31.0 46.4
103 47.4 37.6 56.4



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





#71

Bromoform

Concen: 18.39 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

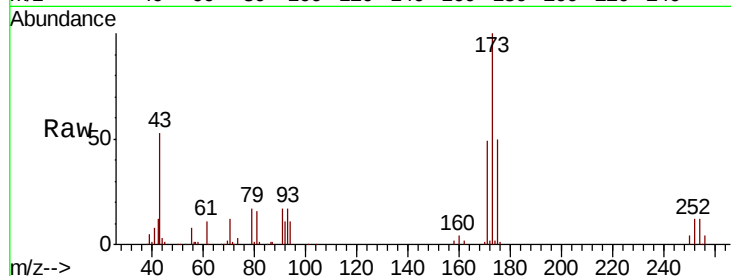
Tot Ion:173 Resp: 196760

Ion Ratio Lower Upper

173 100

175 49.7 24.0 72.0

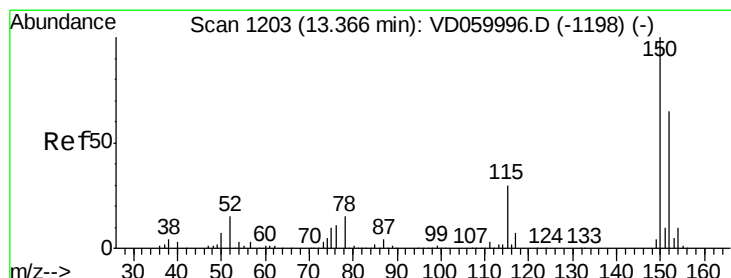
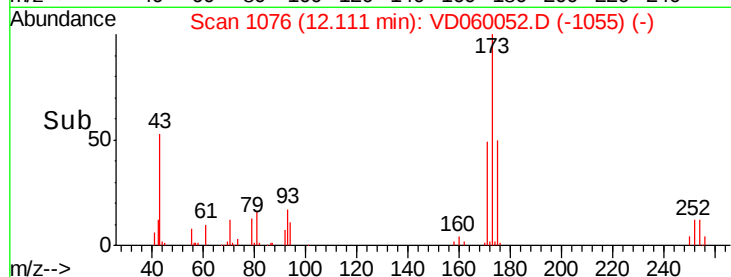
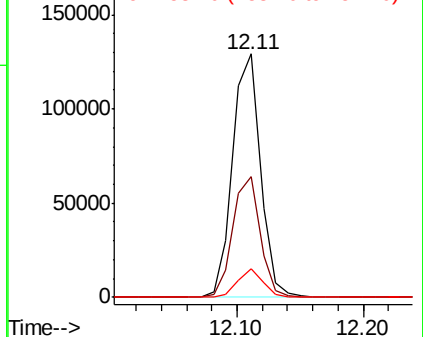
254 11.7 8.6 13.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

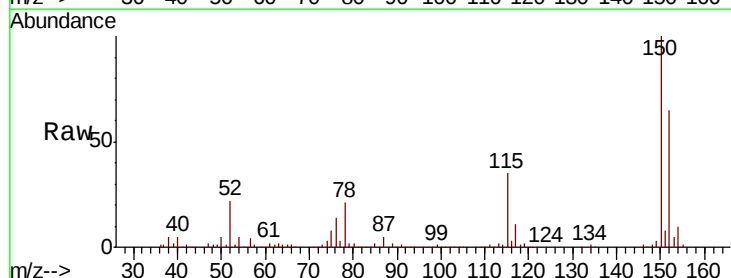
Tgt Ion:152 Resp: 929901

Ion Ratio Lower Upper

152 100

115 54.9 24.6 73.8

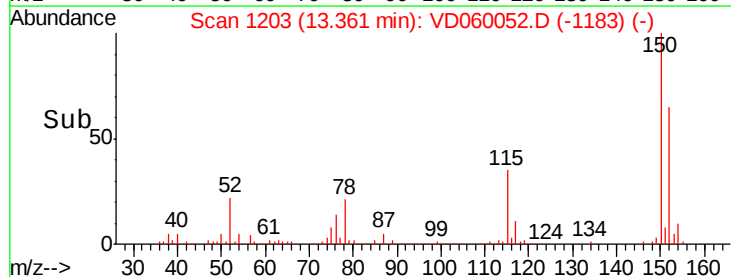
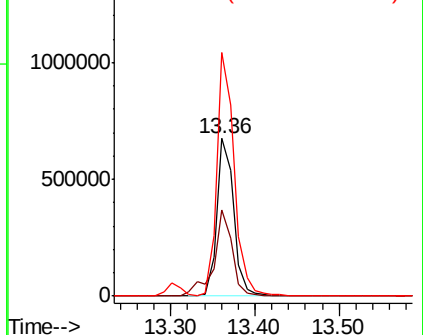
150 154.8 0.0 313.4

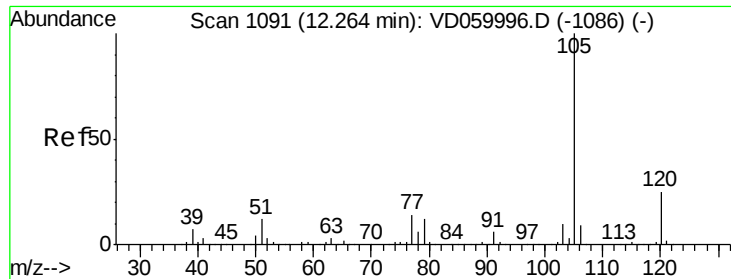


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.66 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

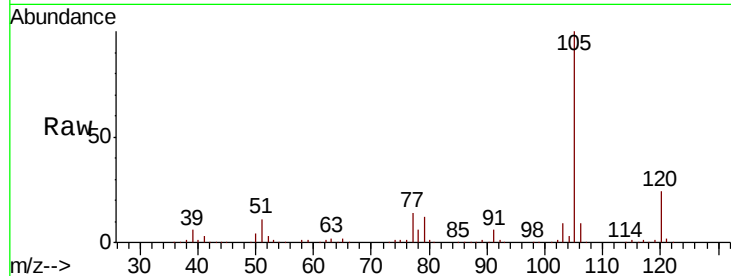
VD0920SBS01

Tot Ion:105 Resp: 1320957

Ion Ratio Lower Upper

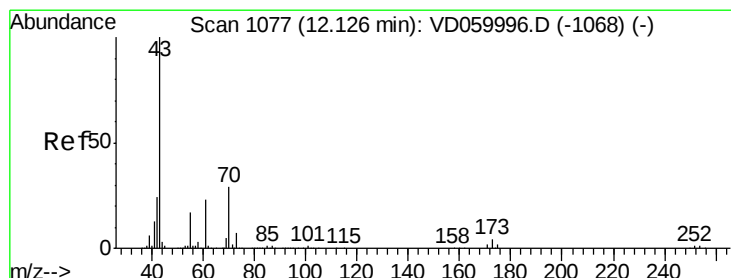
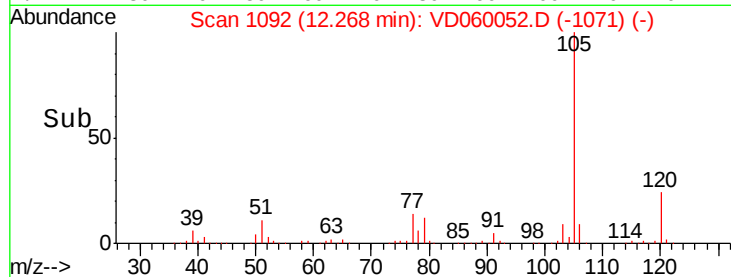
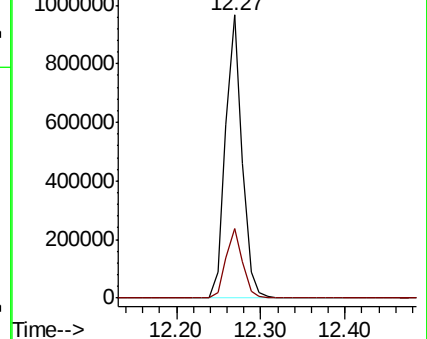
105 100

120 24.5 12.3 36.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.40 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Tgt Ion: 43 Resp: 444412

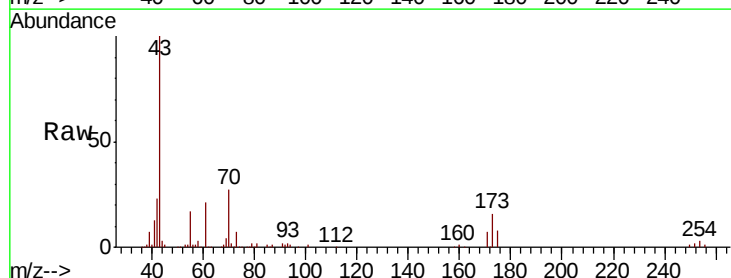
Ion Ratio Lower Upper

43 100

70 26.6 22.9 34.3

55 17.0 14.0 21.0

61 20.8 18.7 28.1

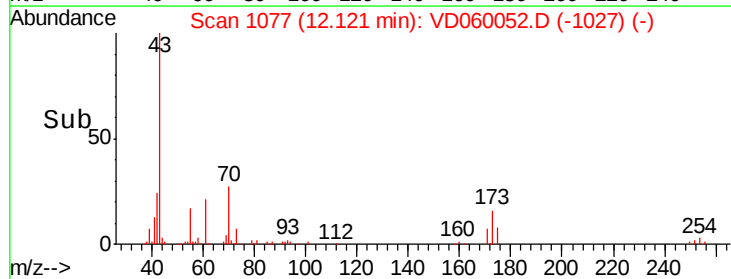
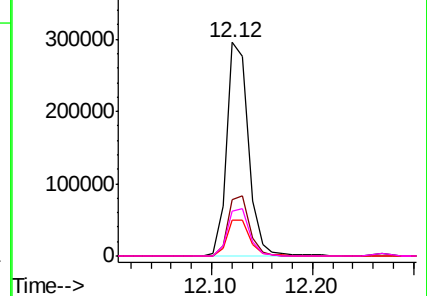


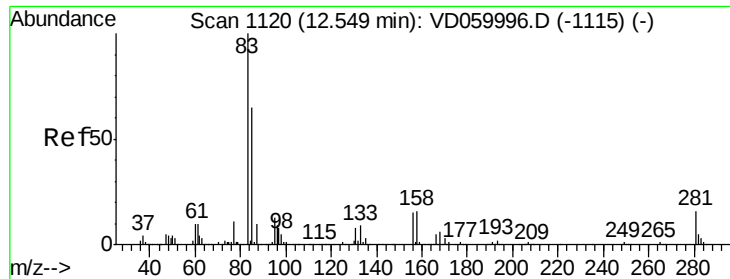
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.18 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

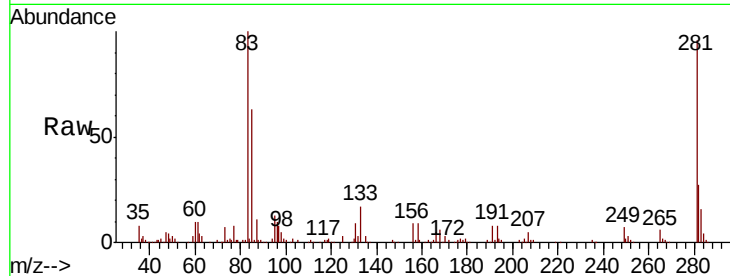
Tot Ion: 83 Resp: 265403

Ion Ratio Lower Upper

83 100

131 8.8 4.1 12.3

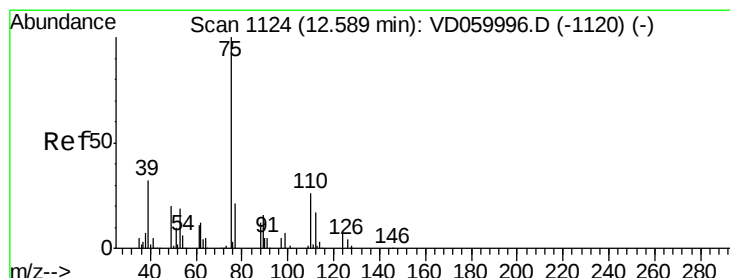
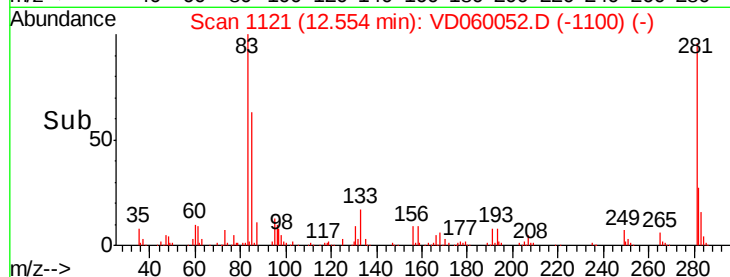
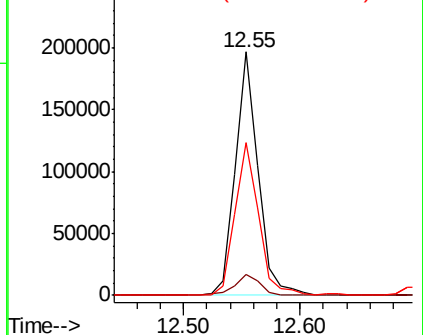
85 63.0 32.4 97.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.98 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VD060052.D

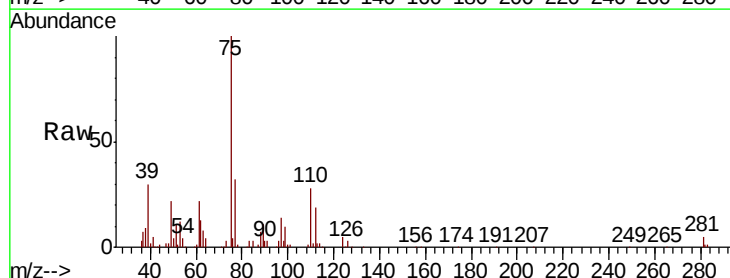
Acq: 20 Sep 2018 13:03

Tgt Ion: 75 Resp: 269520

Ion Ratio Lower Upper

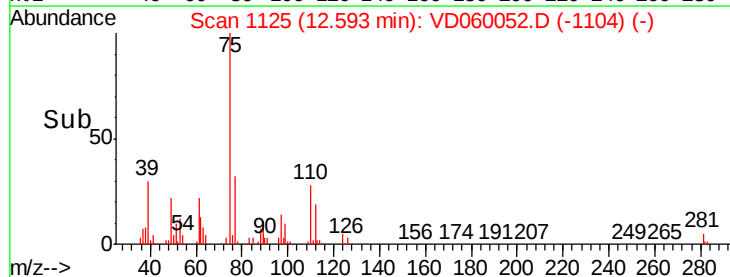
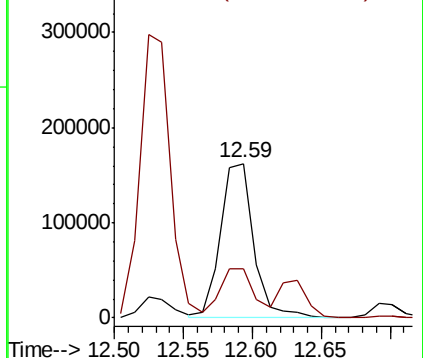
75 100

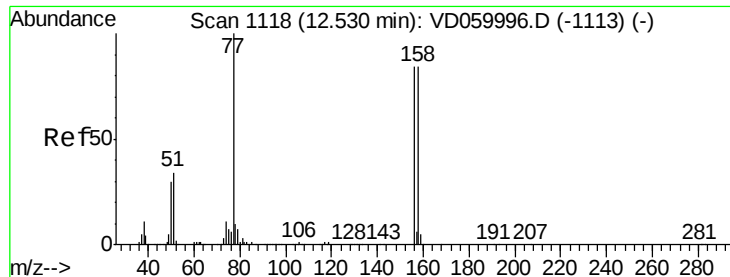
77 31.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.81 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBSD01

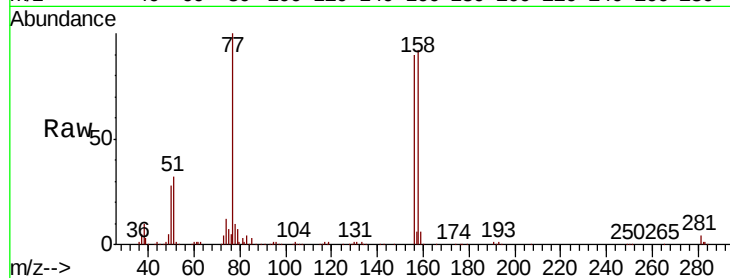
Tot Ion:156 Resp: 365576

Ion Ratio Lower Upper

156 100

77 110.6 59.5 178.4

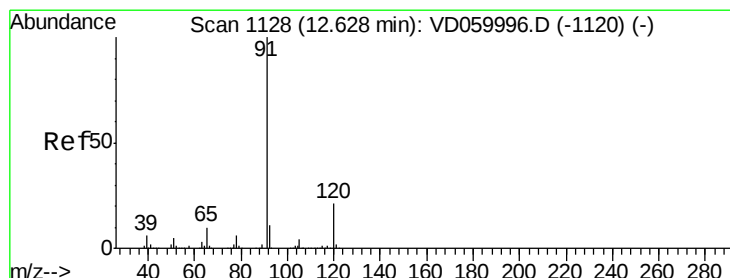
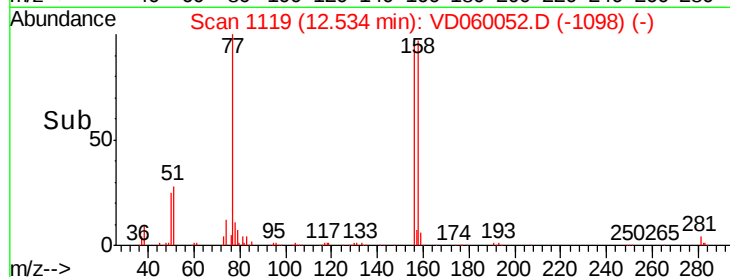
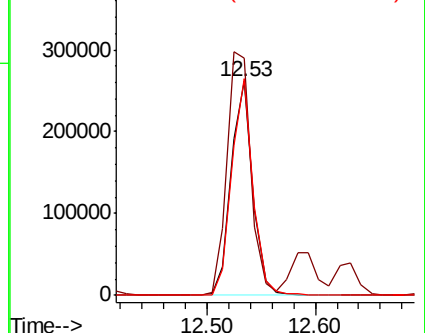
158 101.3 50.0 149.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.60 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VD060052.D

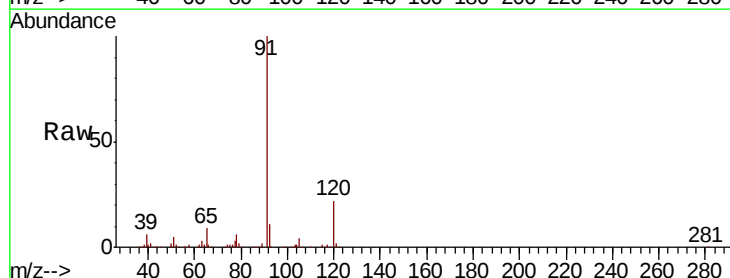
Acq: 20 Sep 2018 13:03

Tgt Ion: 91 Resp: 1656434

Ion Ratio Lower Upper

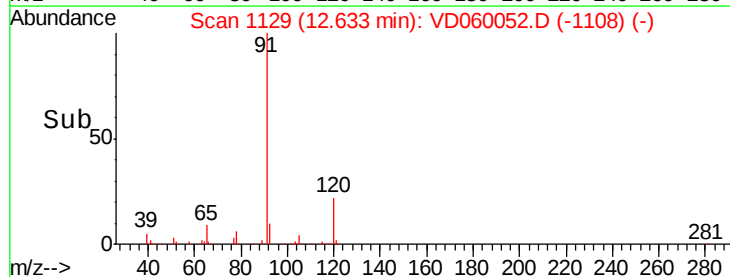
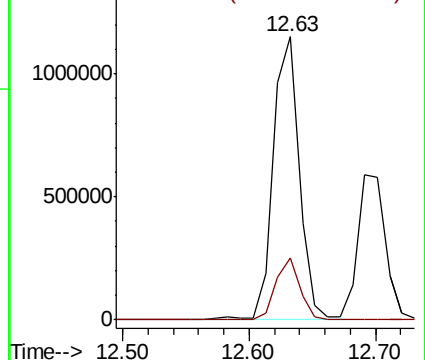
91 100

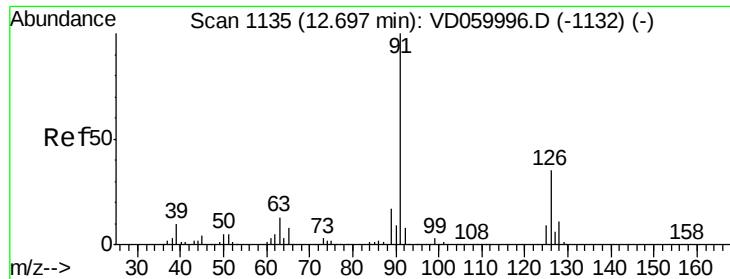
120 21.7 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

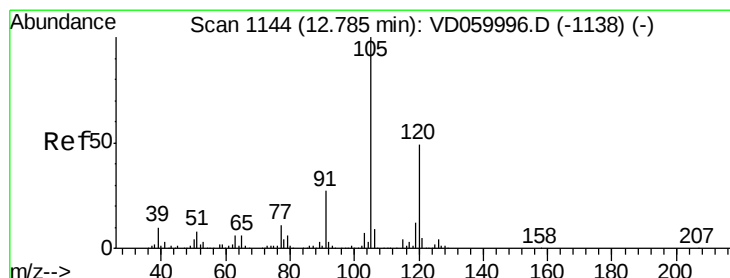
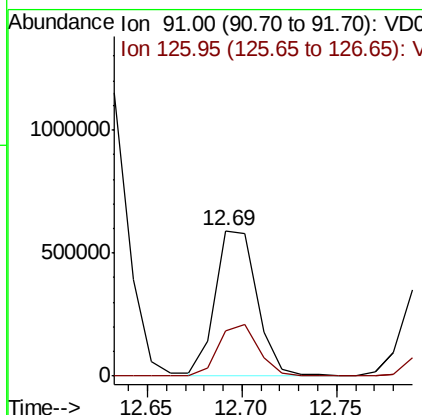
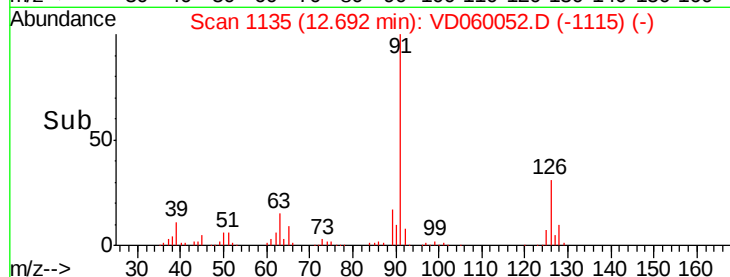
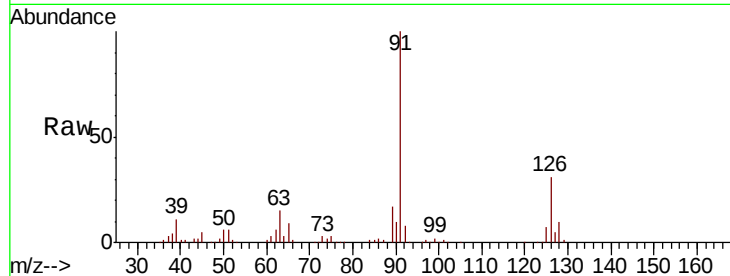




#79
 2-Chlorotoluene
 Concen: 20.83 ug/l
 RT: 12.69 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

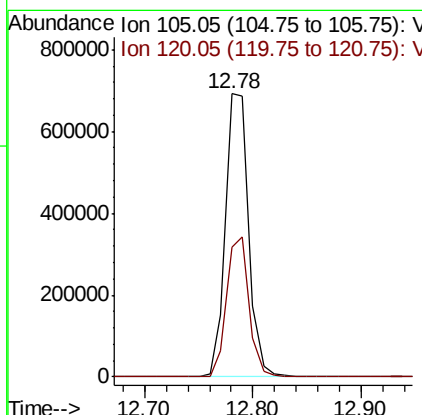
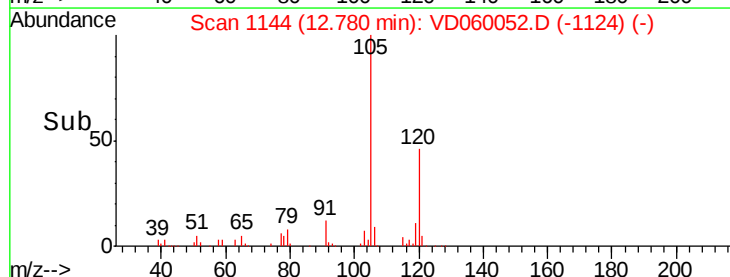
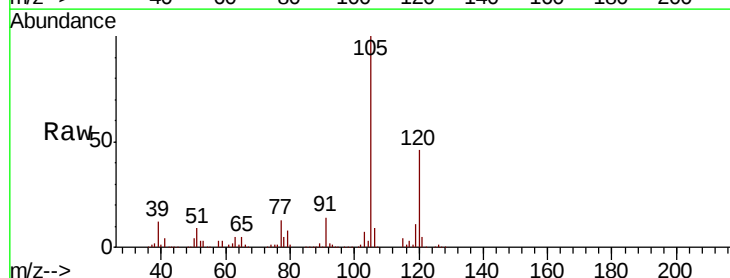
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBSD01

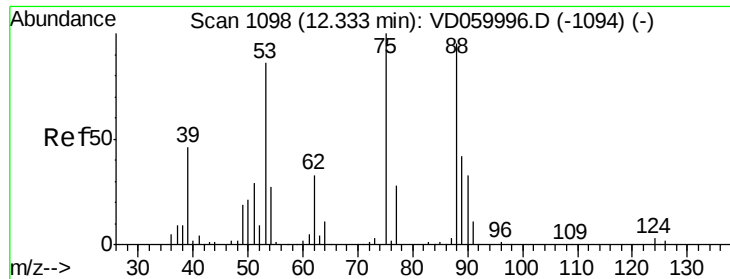
Tot Ion: 91 Resp: 901458
 Ion Ratio Lower Upper
 91 100
 126 31.2 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 22.11 ug/l
 RT: 12.78 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion:105 Resp: 1033496
 Ion Ratio Lower Upper
 105 100
 120 45.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.63 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBS01

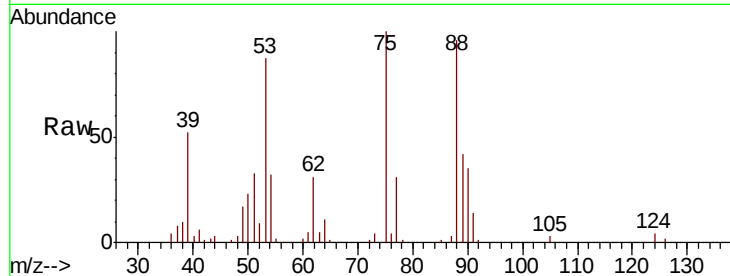
Tot Ion: 75 Resp: 75580

Ion Ratio Lower Upper

75 100

53 86.6 68.4 102.6

89 41.6 33.8 50.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

300000

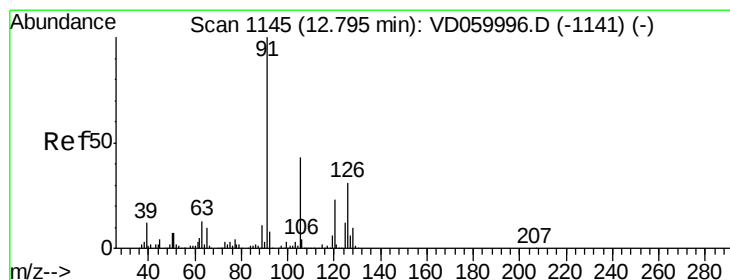
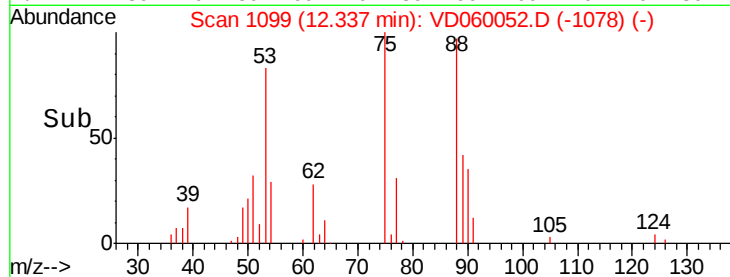
200000

100000

0

12.30 12.35 12.40

Time-->



#82

4-Chlorotoluene

Concen: 22.36 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060052.D

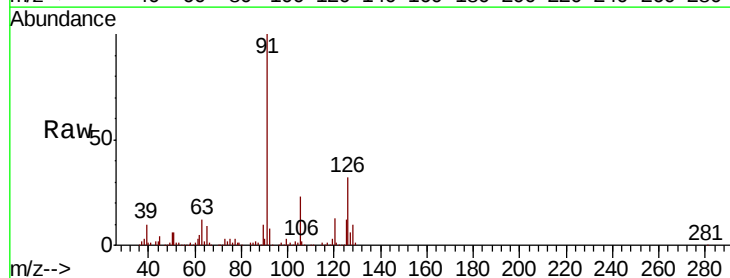
Acq: 20 Sep 2018 13:03

Tgt Ion: 91 Resp: 1064332

Ion Ratio Lower Upper

91 100

126 32.0 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

800000

600000

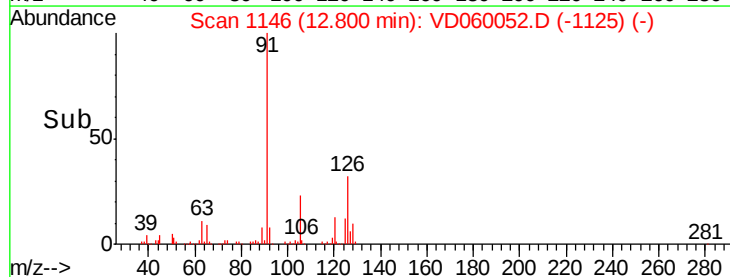
400000

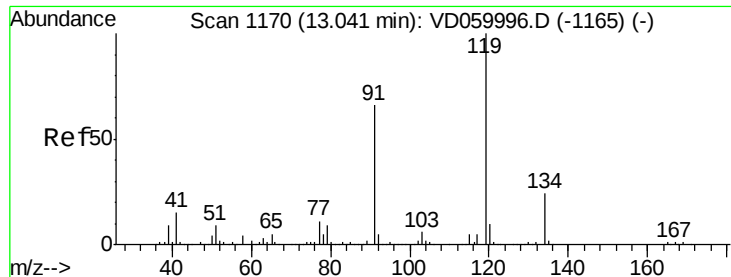
200000

0

12.70 12.80 12.90 13.00

Time-->

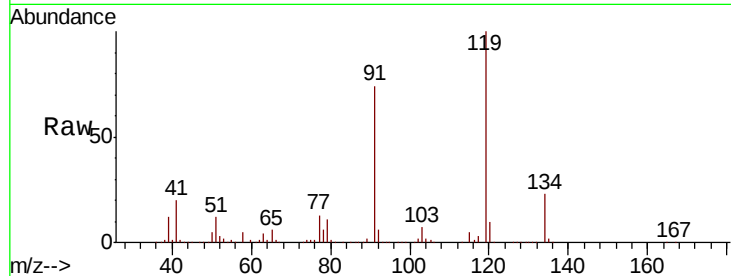




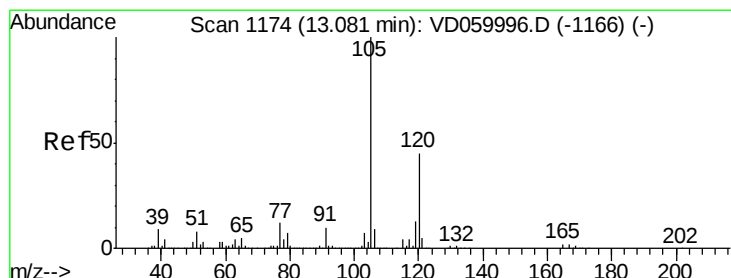
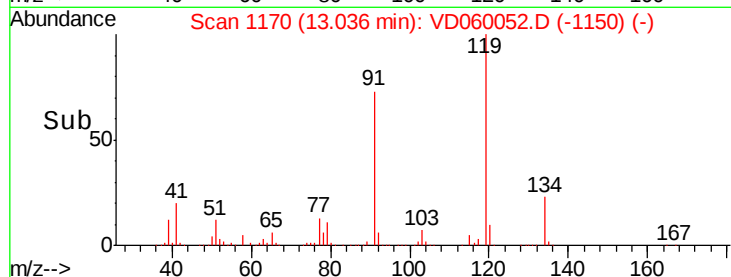
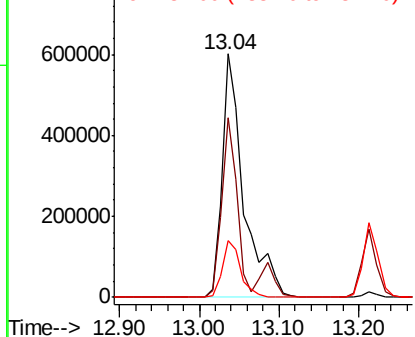
#83
 tert-Butylbenzene
 Concen: 21.17 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBSD01

Tot Ion:119 Resp: 1146673
 Ion Ratio Lower Upper
 119 100
 91 74.0 32.9 98.6
 134 23.4 12.0 36.0

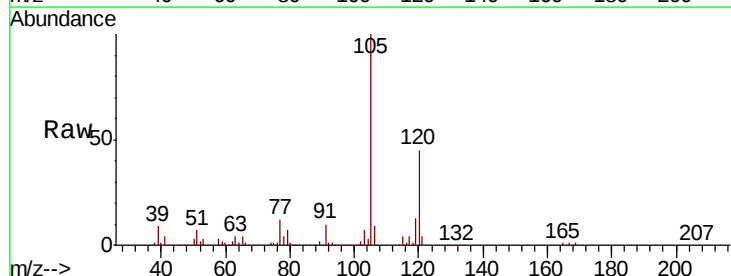


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

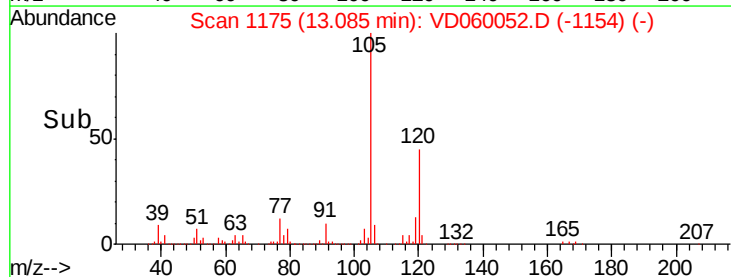
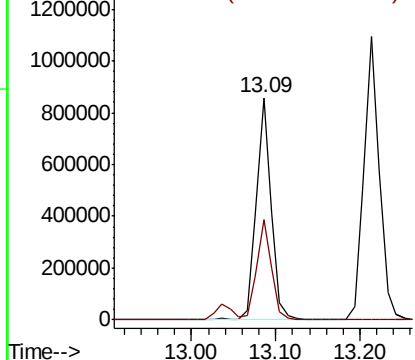


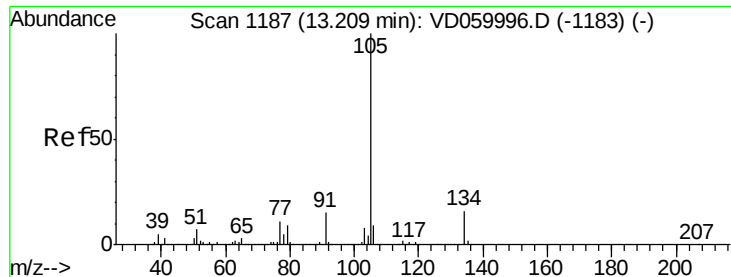
#84
 1,2,4-Trimethylbenzene
 Concen: 21.46 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion:105 Resp: 1070707
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.4 67.0



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

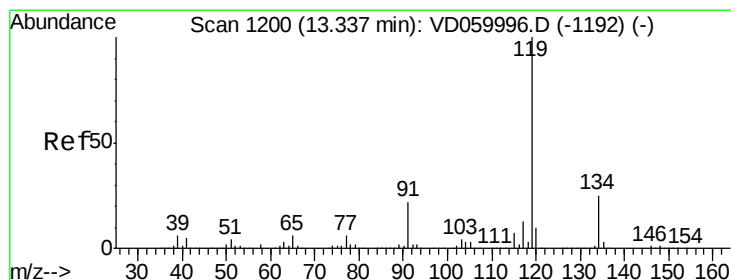
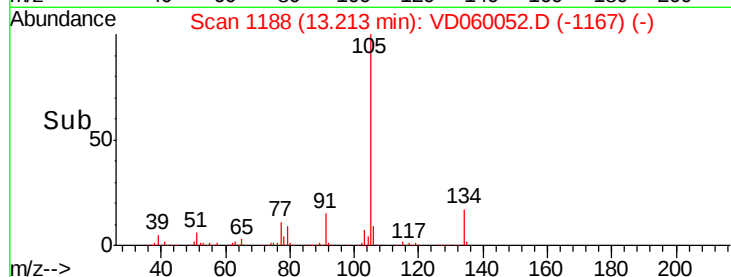
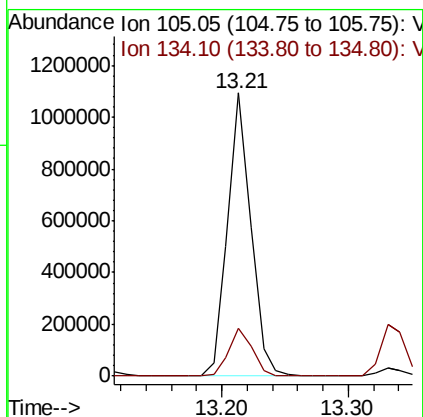
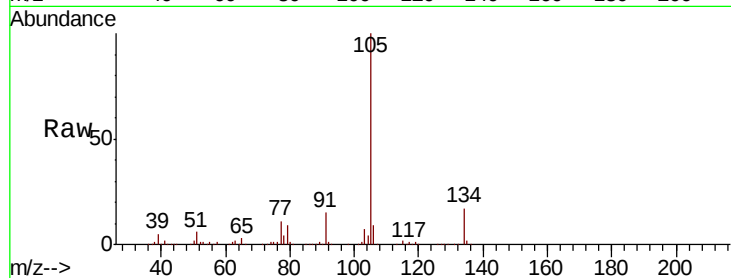




#85
 sec-Butylbenzene
 Concen: 21.60 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

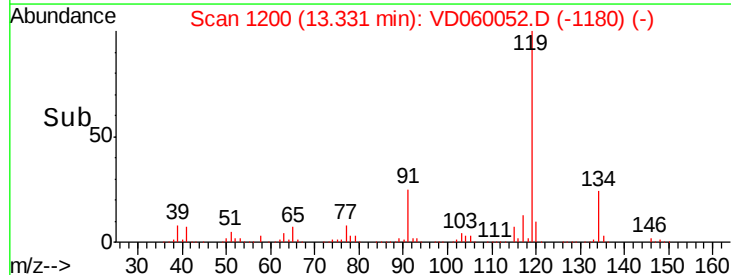
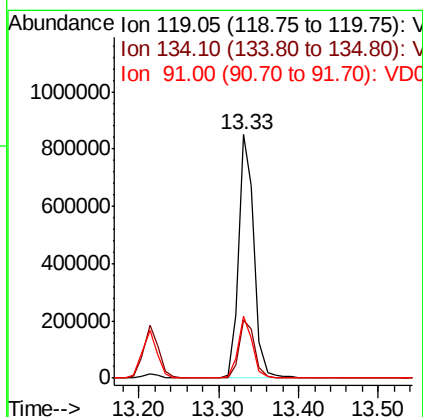
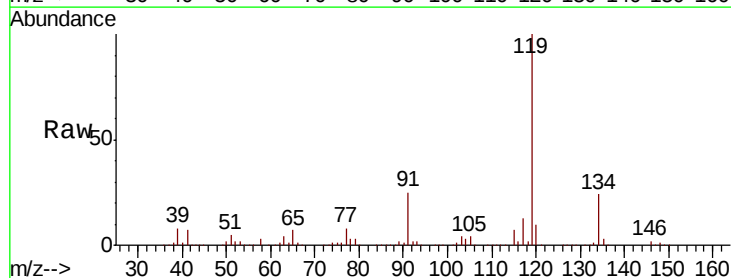
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

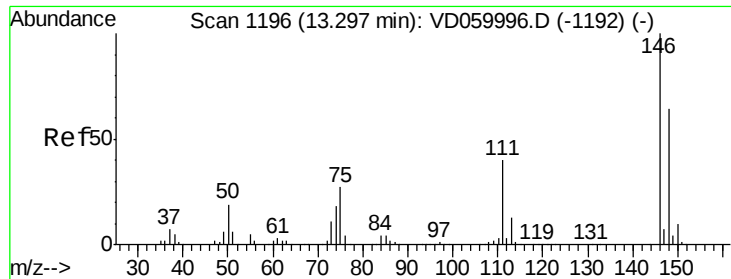
Tot Ion:105 Resp: 1388658
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 21.84 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion:119 Resp: 1135281
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.8 38.3
 91 25.3 11.1 33.3

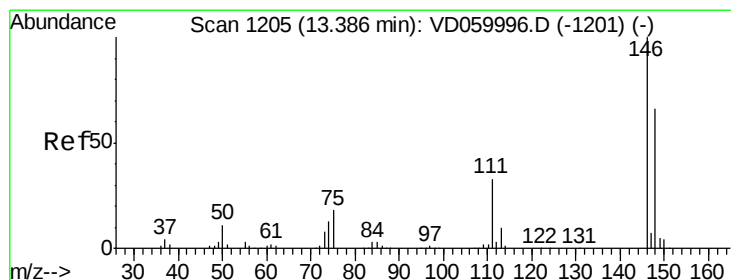
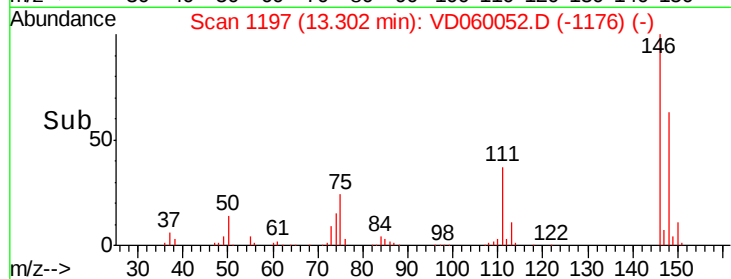
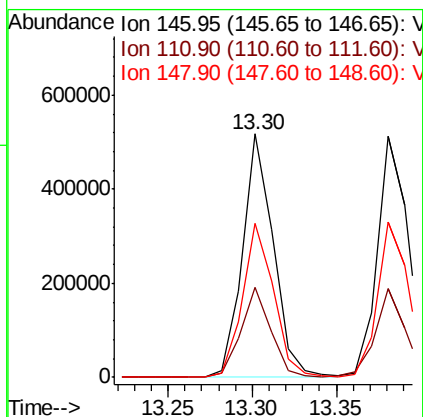
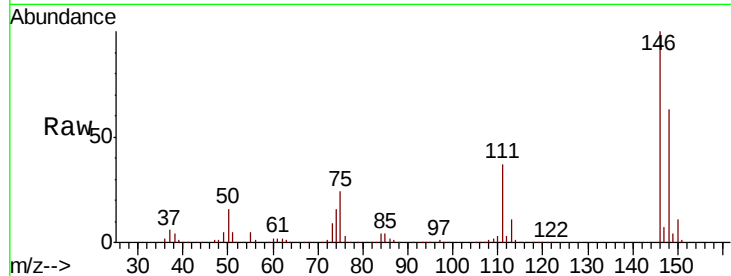




#87
 1,3-Dichlorobenzene
 Concen: 21.47 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

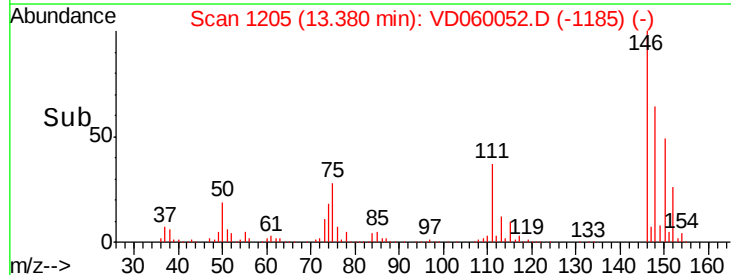
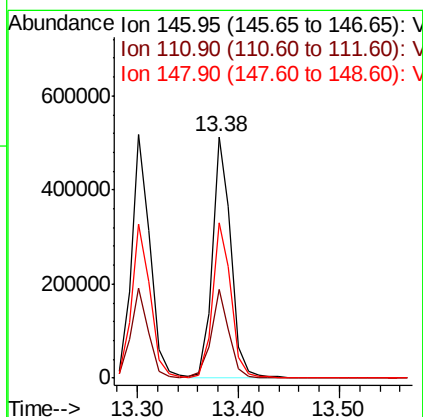
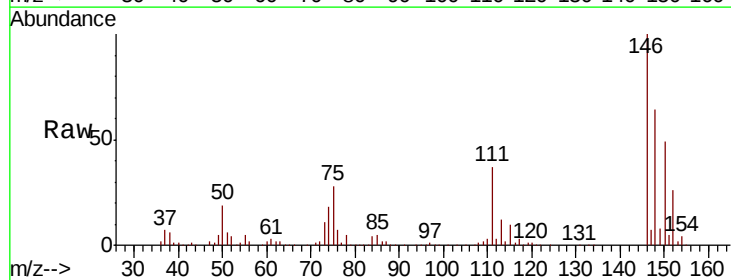
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

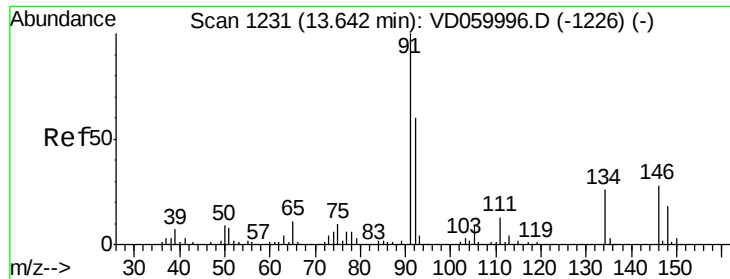
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	20.2	60.5
148	63.2	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.31 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	16.7	50.0
148	64.4	32.9	98.6

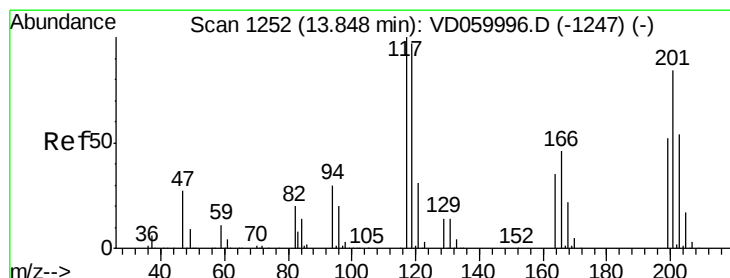
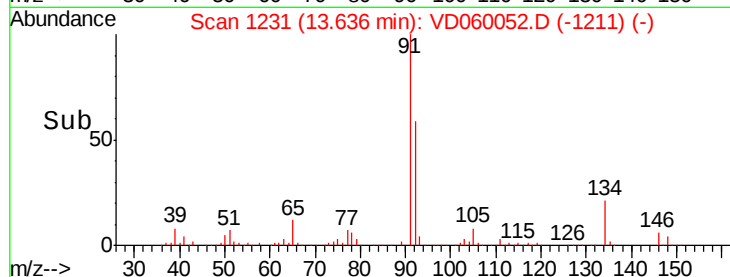
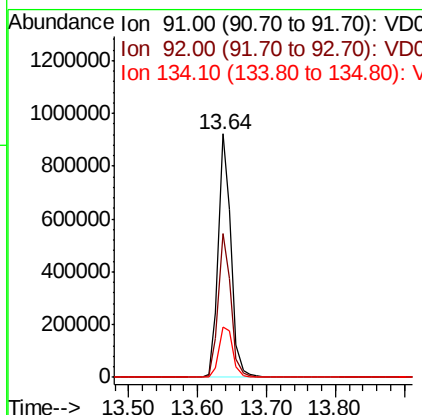
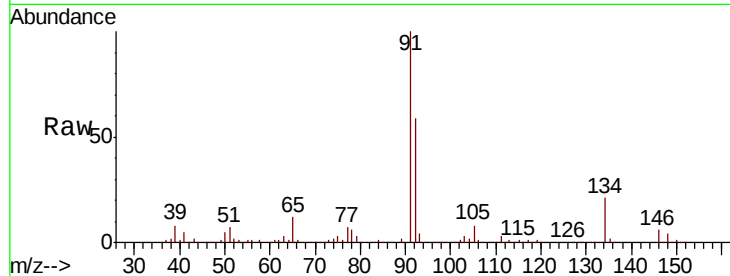




#89
n-Butylbenzene
Concen: 20.96 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

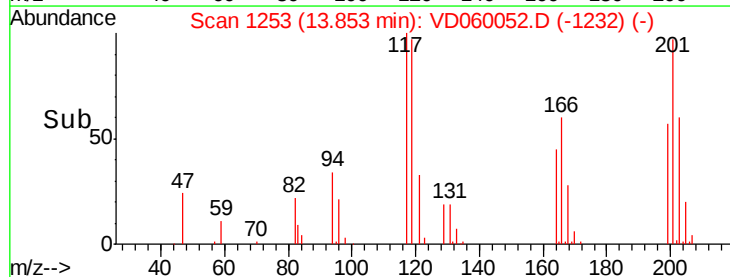
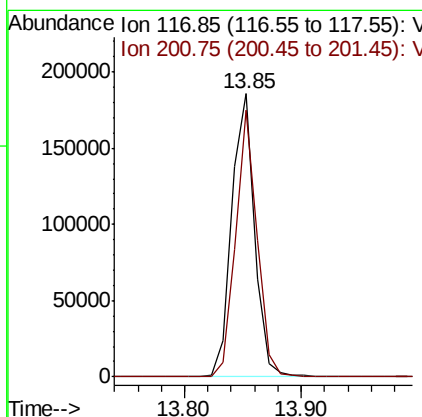
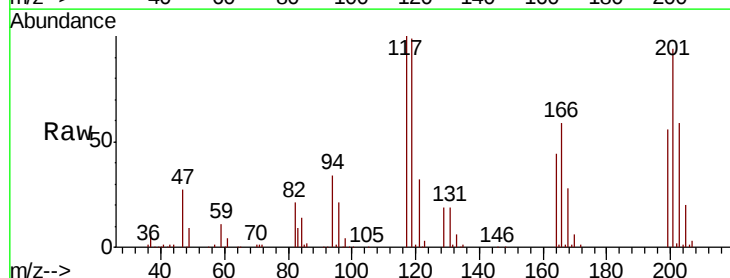
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBS01

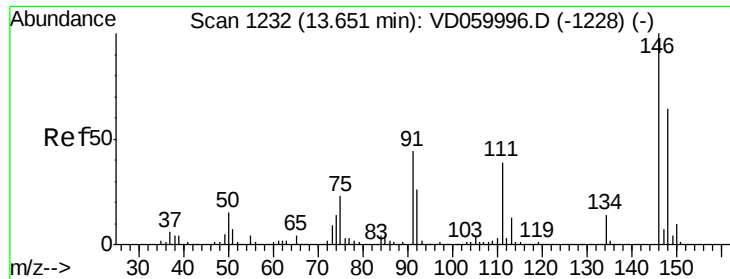
Tot Ion: 91 Resp: 1173957
Ion Ratio Lower Upper
91 100
92 59.3 29.8 89.3
134 20.5 13.2 39.6



#90
Hexachloroethane
Concen: 19.59 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion: 117 Resp: 252310
Ion Ratio Lower Upper
117 100
201 94.1 42.1 126.4

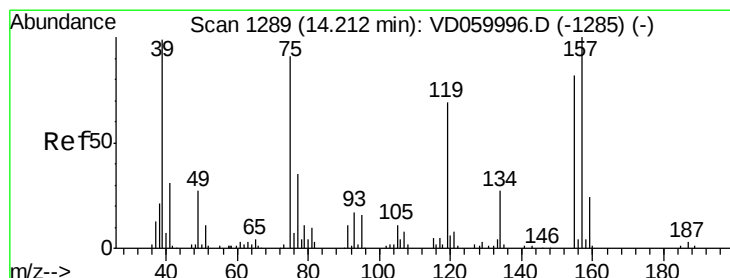
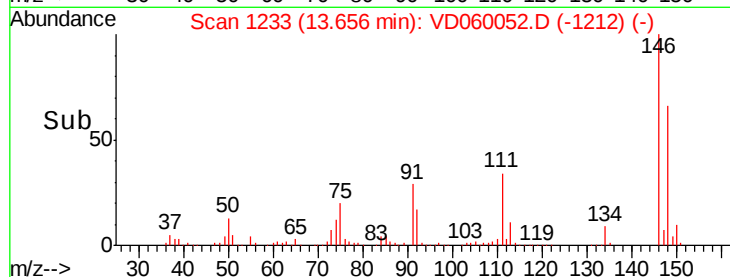
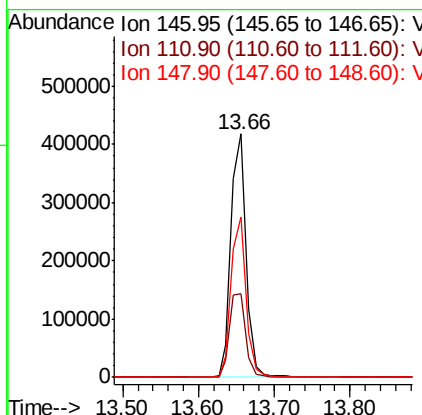
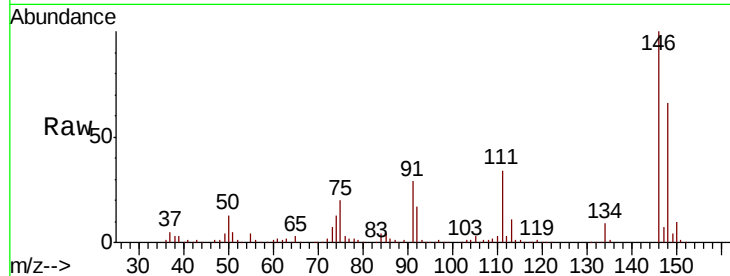




#91
 1,2-Dichlorobenzene
 Concen: 20.26 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

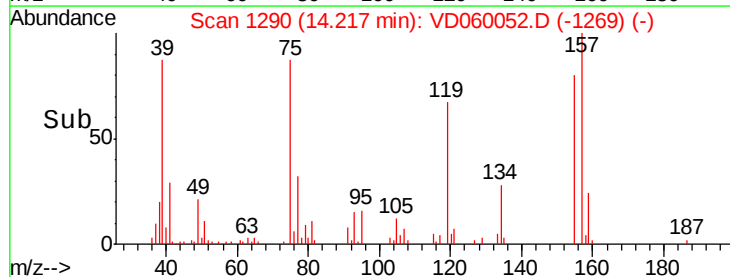
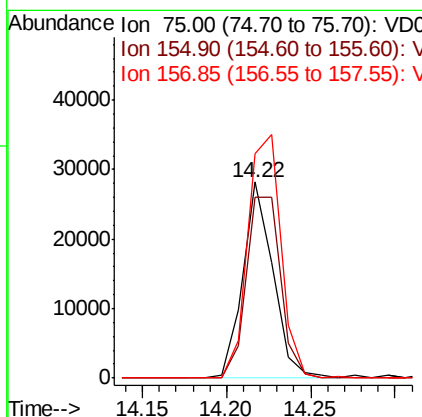
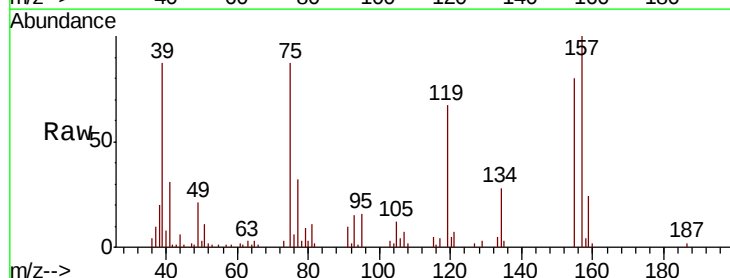
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBSD01

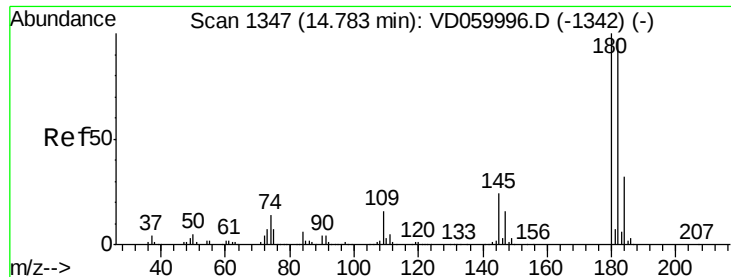
Tot Ion:146 Resp: 573200
 Ion Ratio Lower Upper
 146 100
 111 34.2 19.6 58.7
 148 65.7 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.65 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060052.D
 Acq: 20 Sep 2018 13:03

Tgt Ion: 75 Resp: 35127
 Ion Ratio Lower Upper
 75 100
 155 92.0 44.7 134.1
 157 114.4 54.7 164.1

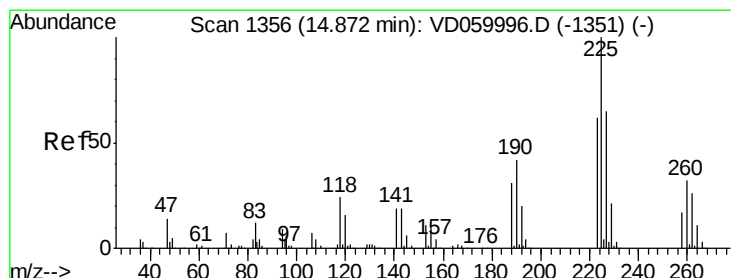
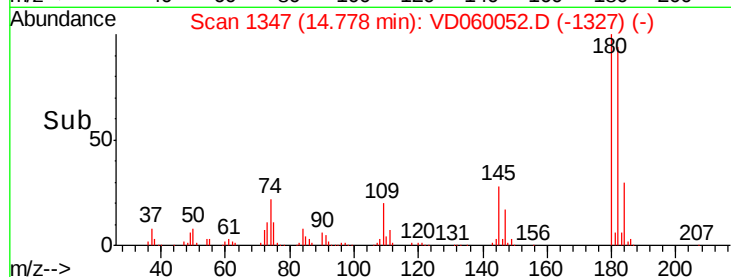
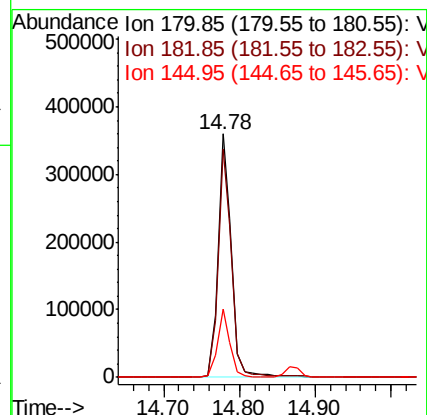
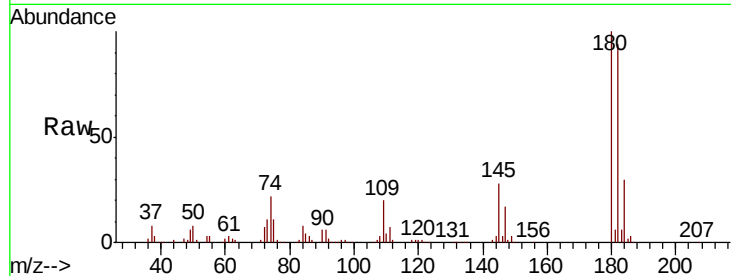




#93
1,2,4-Trichlorobenzene
Concen: 20.62 ug/l
RT: 14.78 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

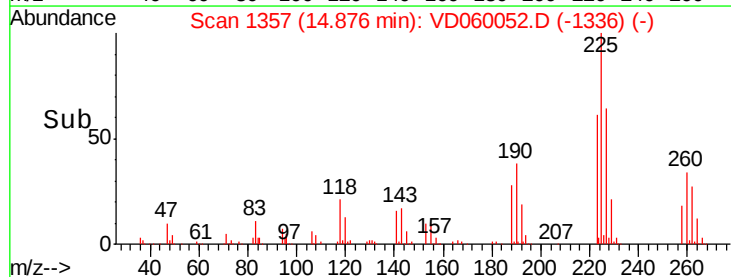
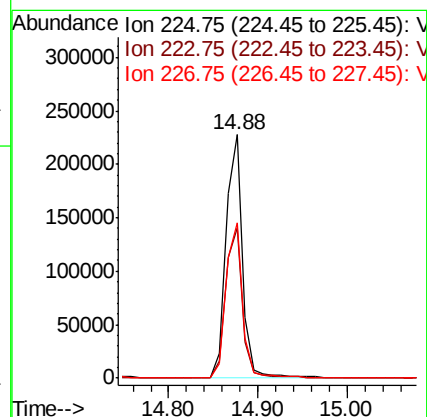
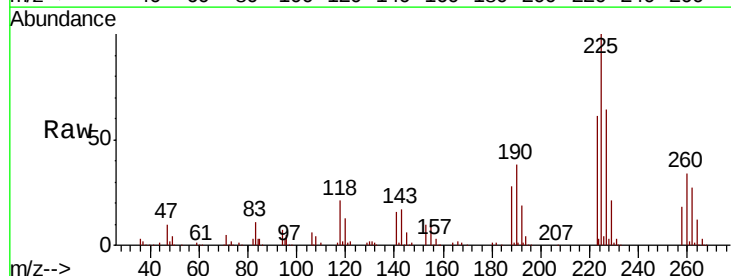
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBSD01

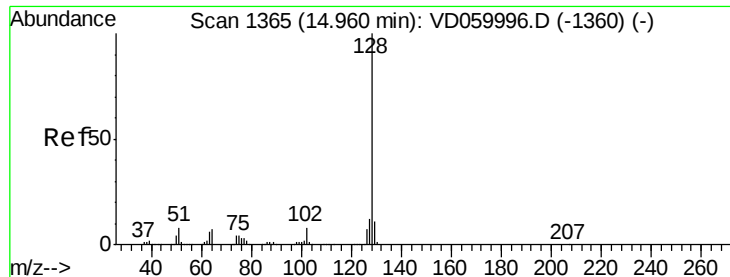
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.5	145.6
145	28.0	11.9	35.7



#94
Hexachlorobutadiene
Concen: 20.83 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VD060052.D
Acq: 20 Sep 2018 13:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.2	93.6
227	63.8	32.3	96.8





#95

Naphthalene

Concen: 18.79 ug/l

RT: 14.95 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBSD01

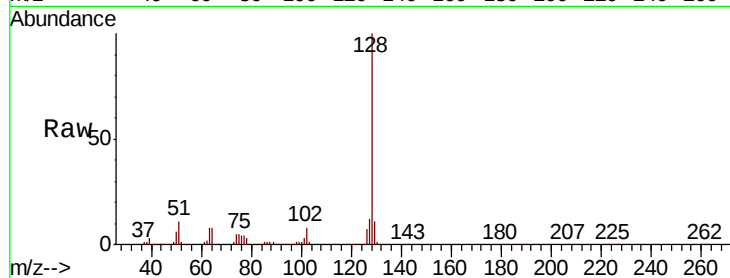
Tot Ion:128 Resp: 631670

Ion Ratio Lower Upper

128 100

127 11.7 9.7 14.5

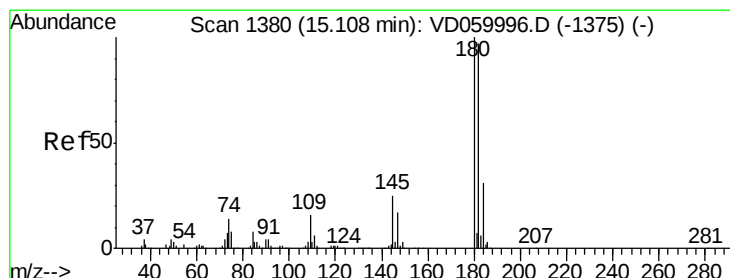
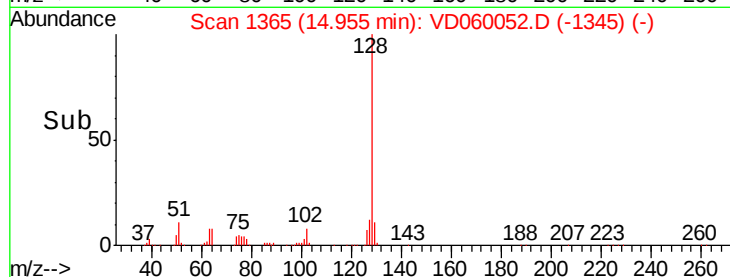
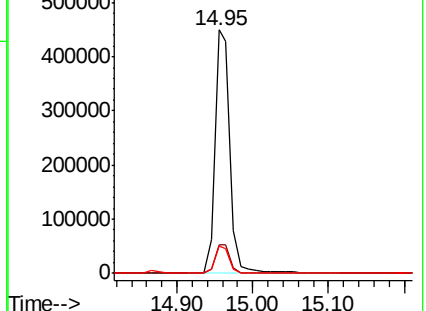
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.19 ug/l

RT: 15.10 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD060052.D

Acq: 20 Sep 2018 13:03

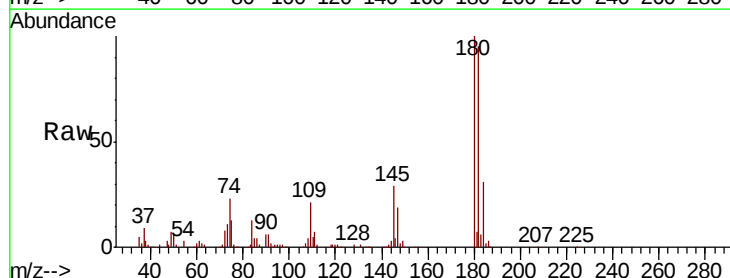
Tgt Ion:180 Resp: 368223

Ion Ratio Lower Upper

180 100

182 95.2 48.6 145.9

145 29.4 12.7 38.1



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

