

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102618\
 Data File : VD060217.D
 Acq On : 26 Oct 2018 15:40
 Operator : JC/SY
 Sample : VD1026SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Quant Time: Oct 26 23:42:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1530785	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2028641	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1742025	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	926354	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	600307	51.73	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	103.46%	
35) Dibromofluoromethane	6.31	113	861676	55.93	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	111.86%	
50) Toluene-d8	9.45	98	2400838	54.65	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	109.30%	
62) 4-Bromofluorobenzene	12.43	95	928748	56.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	270284	18.770	ug/l	99
3) Chloromethane	1.76	50	283335	21.821	ug/l	99
4) Vinyl Chloride	1.85	62	235789	22.190	ug/l	100
5) Bromomethane	2.13	94	22835	17.114	ug/l	89
6) Chloroethane	2.24	64	48322	16.664	ug/l	96
7) Trichlorofluoromethane	2.50	101	268384	21.094	ug/l	98
8) Diethyl Ether	2.82	74	64895	24.804	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.08	101	185520	23.405	ug/l	97
10) Methyl Iodide	3.23	142	178276	21.209	ug/l	94
11) Tert butyl alcohol	3.97	59	83475	100.307	ug/l	95
12) 1,1-Dichloroethene	3.07	96	151528	24.266	ug/l	88
13) Acrolein	2.98	56	41118	80.152	ug/l	92
14) Allyl chloride	3.53	41	301384	23.238	ug/l	99
15) Acrylonitrile	4.08	53	380151	110.363	ug/l	97
16) Acetone	3.15	43	306790	145.708	ug/l	98
17) Carbon Disulfide	3.30	76	459638	21.889	ug/l	100
18) Methyl Acetate	3.55	43	101241	22.371	ug/l	96
19) Methyl tert-butyl Ether	4.12	73	616289	22.447	ug/l	100
20) Methylene Chloride	3.71	84	373082	19.924	ug/l	96
21) trans-1,2-Dichloroethene	4.09	96	338070	20.962	ug/l	96
22) Diisopropyl ether	4.85	45	1316877	22.736	ug/l	94
23) Vinyl Acetate	4.80	43	3794058	116.536	ug/l	99
24) 1,1-Dichloroethane	4.75	63	586289	22.325	ug/l	99
25) 2-Butanone	5.62	43	639104	121.501	ug/l	95
26) 2,2-Dichloropropane	5.58	77	463542	23.284	ug/l	95
27) cis-1,2-Dichloroethene	5.59	96	369759	21.640	ug/l	91
28) Bromochloromethane	5.92	49	296351	23.222	ug/l	90
29) Tetrahydrofuran	5.95	42	339125	110.995	ug/l	100
30) Chloroform	6.10	83	594995	22.398	ug/l	97
31) Cyclohexane	6.36	56	529991	21.083	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	480913	22.097	ug/l	98
36) 1,1-Dichloropropene	6.51	75	445402	22.976	ug/l	96
37) Ethyl Acetate	5.69	43	312947	24.321	ug/l	99
38) Carbon Tetrachloride	6.49	117	392224	22.292	ug/l	98

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 Sample : VD1026SBSD01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VD1026SBSD01

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	501684	22.777	ug/l	97
40) Benzene	6.79	78	1104896	21.786	ug/l	100
41) Methacrylonitrile	5.94	41	343706	47.259	ug/l #	95
42) 1,2-Dichloroethane	6.88	62	327999	22.558	ug/l	100
43) Isopropyl Acetate	8.34	43	391669	23.137	ug/l #	100
44) Trichloroethene	7.73	130	352237	22.437	ug/l	97
45) 1,2-Dichloropropane	8.10	63	310857	23.409	ug/l	97
46) Dibromomethane	8.21	93	197944	23.024	ug/l	97
47) Bromodichloromethane	8.49	83	435478	23.772	ug/l	99
48) Methyl methacrylate	8.24	41	226132	23.451	ug/l	98
49) 1,4-Dioxane	8.22	88	44208	465.956	ug/l	91
51) 4-Methyl-2-Pentanone	9.34	43	1284522	120.305	ug/l	98
52) Toluene	9.54	92	745864	22.836	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	382663	23.086	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	481026	23.501	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	256055	23.980	ug/l	97
56) Ethyl methacrylate	10.02	69	271767	23.057	ug/l	94
57) 1,3-Dichloropropane	10.38	76	382032	23.459	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.92	63	817088	124.836	ug/l	99
59) 2-Hexanone	10.49	43	996135	129.743	ug/l	100
60) Dibromochloromethane	10.63	129	299557	22.865	ug/l	98
61) 1,2-Dibromoethane	10.75	107	254707	22.450	ug/l	99
64) Tetrachloroethene	10.25	164	325725	21.348	ug/l	96
65) Chlorobenzene	11.31	112	795350	21.104	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	284446	22.625	ug/l	99
67) Ethyl Benzene	11.42	91	1406050	23.028	ug/l	98
68) m/p-Xylenes	11.56	106	1051443	46.088	ug/l	97
69) o-Xylene	11.93	106	499197	22.122	ug/l	96
70) Styrene	11.95	104	835883	22.150	ug/l	98
71) Bromoform	12.11	173	219882	21.599	ug/l	99
73) Isopropylbenzene	12.28	105	1373499	22.475	ug/l	99
74) N-amyl acetate	12.13	43	493355	22.039	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	288715	21.640	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	293592	22.007	ug/l	100
77) Bromobenzene	12.53	156	383977	21.621	ug/l	92
78) n-propylbenzene	12.63	91	1755101	23.129	ug/l	98
79) 2-Chlorotoluene	12.70	91	958442	22.757	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	1092124	23.090	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	79664	21.252	ug/l	97
82) 4-Chlorotoluene	12.81	91	1096314	23.014	ug/l	98
83) tert-Butylbenzene	13.05	119	1242239	22.887	ug/l	100
84) 1,2,4-Trimethylbenzene	13.09	105	1116614	22.399	ug/l	98
85) sec-Butylbenzene	13.22	105	1470040	22.906	ug/l	99
86) p-Isopropyltoluene	13.34	119	1179288	22.404	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	681883	22.038	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	658147	21.177	ug/l	99
89) n-Butylbenzene	13.65	91	1223778	23.827	ug/l	99
90) Hexachloroethane	13.85	117	261544	21.469	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	596759	22.938	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	38010	21.337	ug/l	94

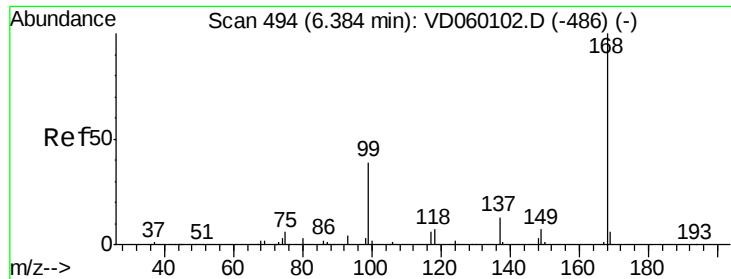
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD102618\
Data File : VD060217.D
Acq On : 26 Oct 2018 15:40
Operator : JC/SY
Sample : VD1026SBSD01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

Quant Time: Oct 26 23:42:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	479434	21.711	ug/l	97
94) Hexachlorobutadiene	14.88	225	318966	21.730	ug/l	97
95) Naphthalene	14.96	128	683706	20.888	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	403956	21.029	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

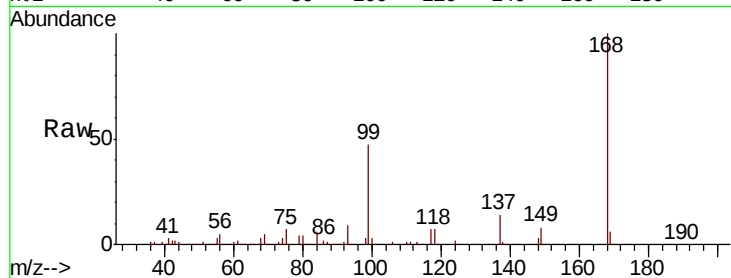
VD1026SBSD01

Tgt Ion:168 Resp: 1530785

Ion Ratio Lower Upper

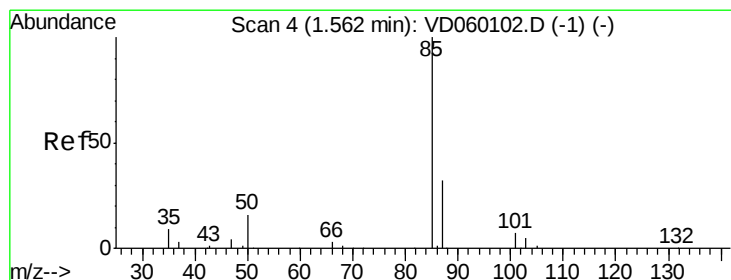
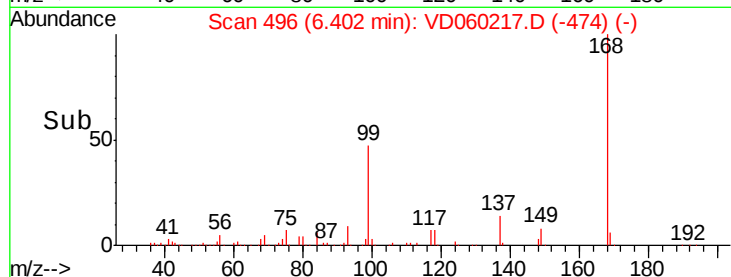
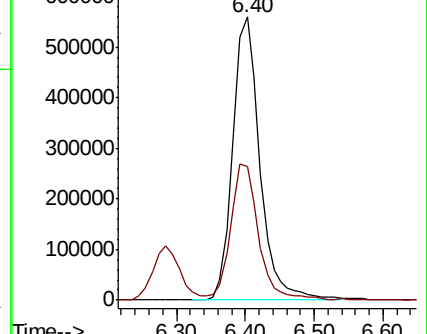
168 100

99 47.4 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.770 ug/l

RT: 1.58 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060217.D

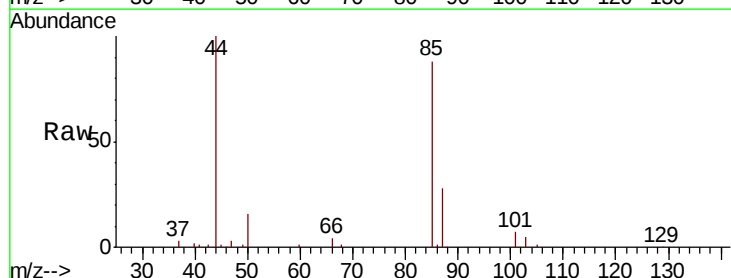
Acq: 26 Oct 2018 15:40

Tgt Ion: 85 Resp: 270284

Ion Ratio Lower Upper

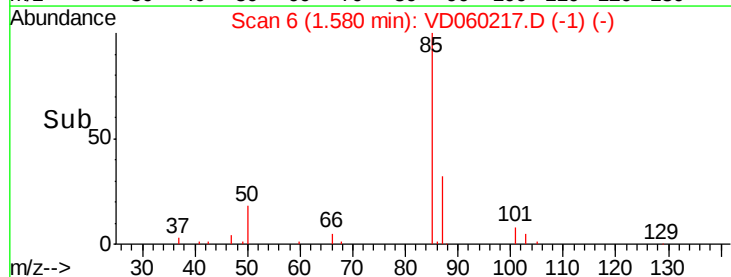
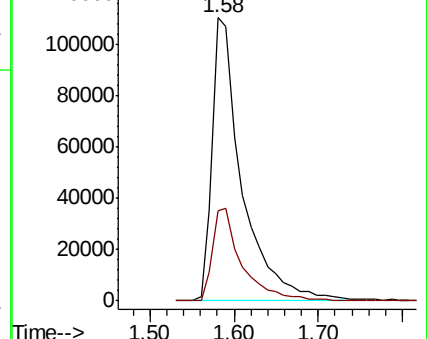
85 100

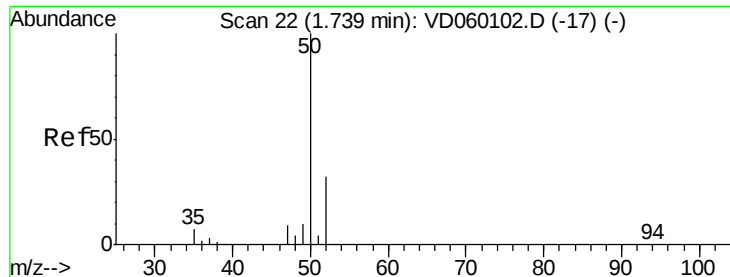
87 32.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.821 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

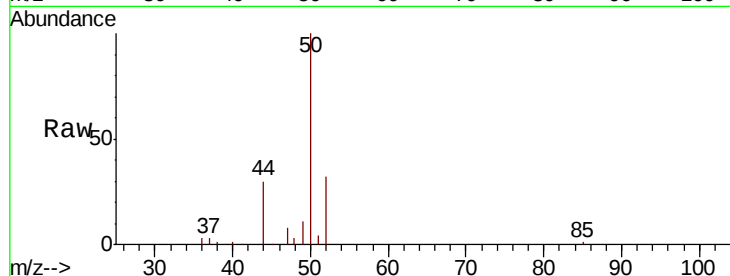
VD1026SBSD01

Tgt Ion: 50 Resp: 283335

Ion Ratio Lower Upper

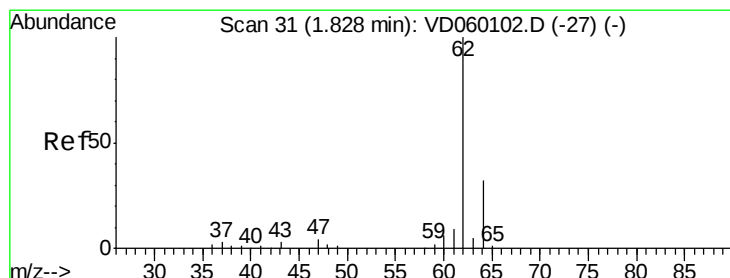
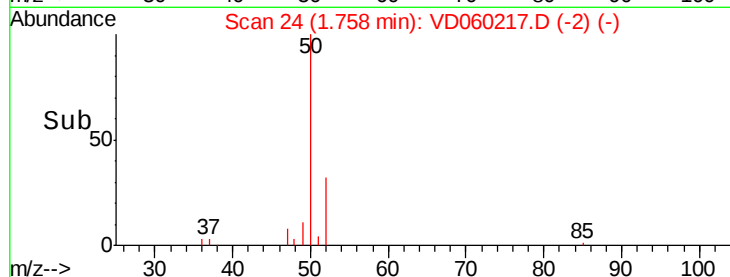
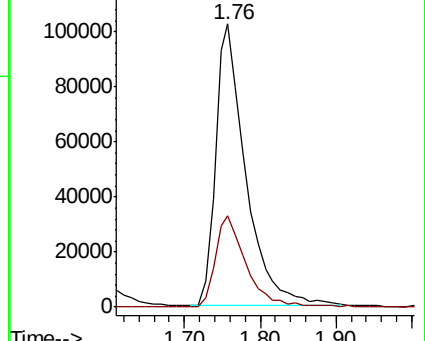
50 100

52 32.4 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.190 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060217.D

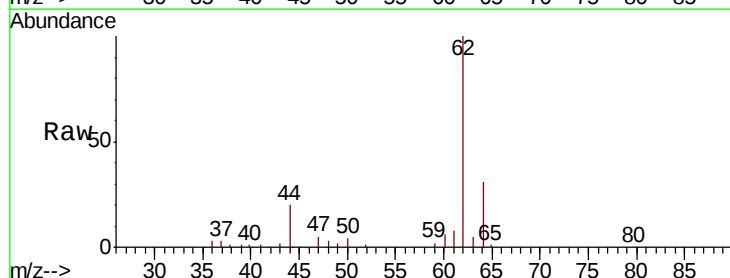
Acq: 26 Oct 2018 15:40

Tgt Ion: 62 Resp: 235789

Ion Ratio Lower Upper

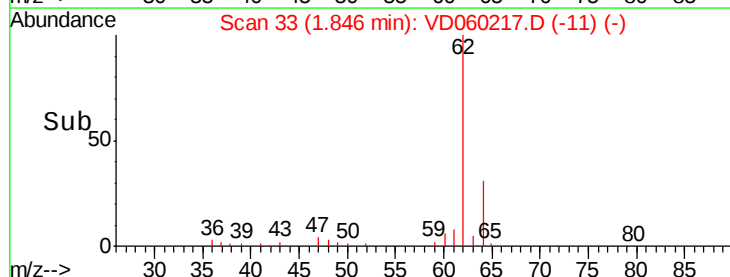
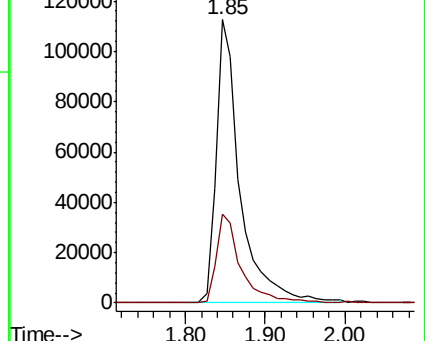
62 100

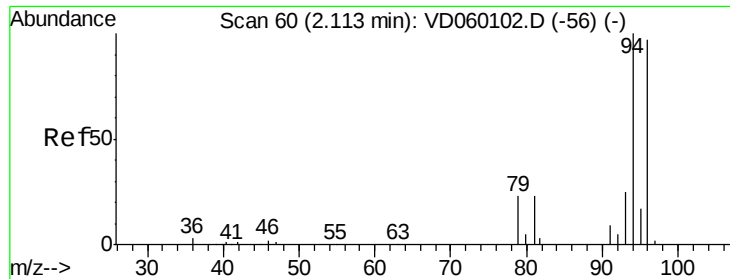
64 31.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

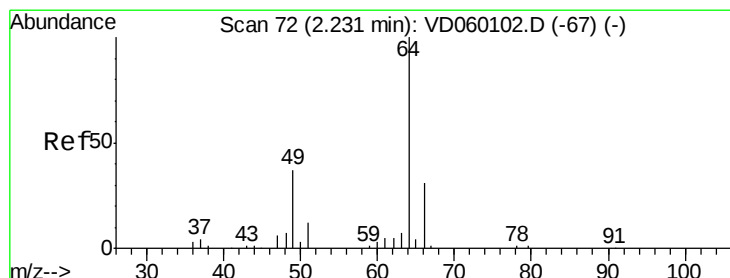
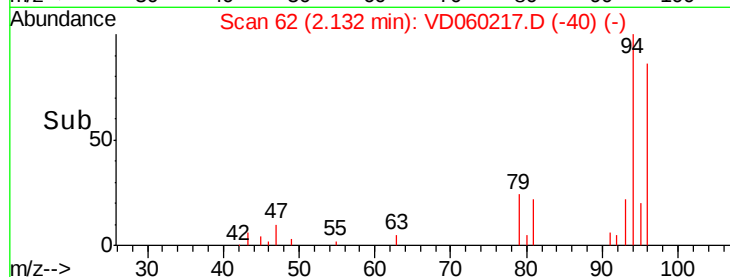
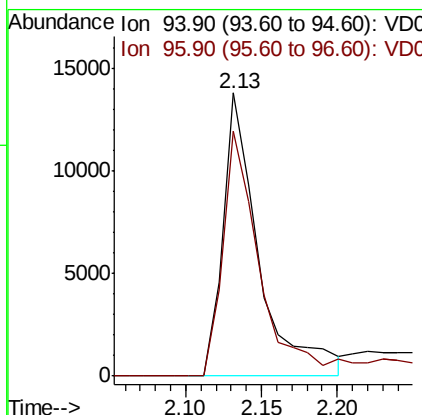
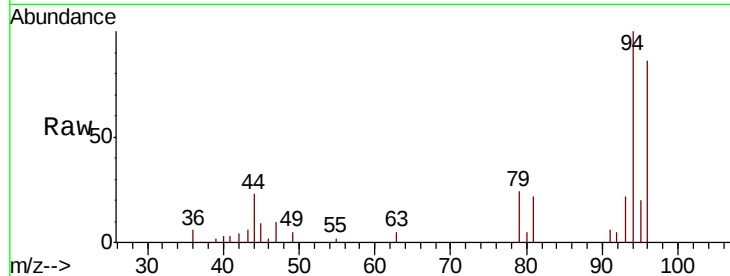




#5
Bromomethane
Concen: 17.114 ug/l
RT: 2.13 min Scan# 62
Delta R.T. 0.02 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

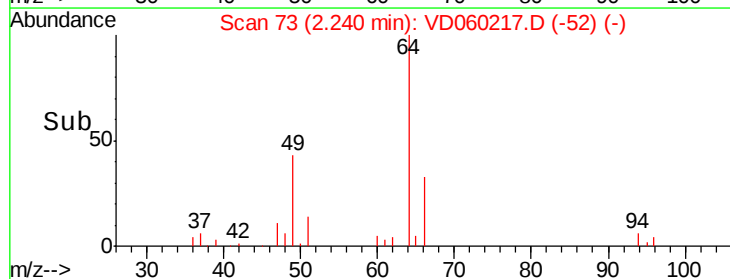
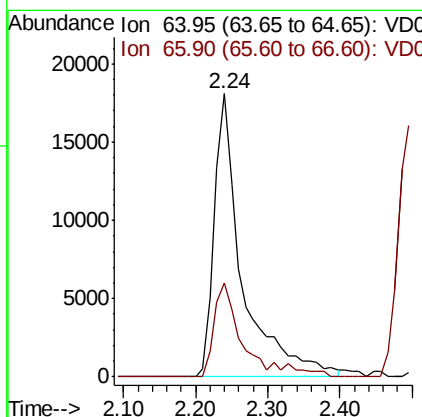
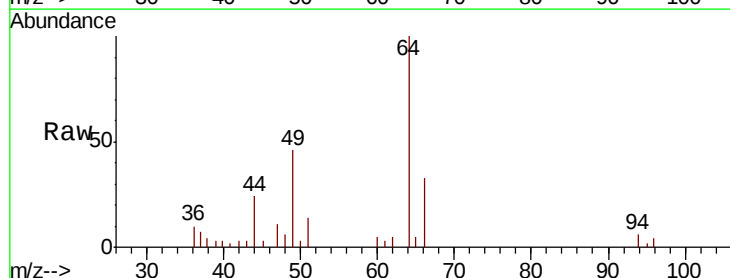
Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

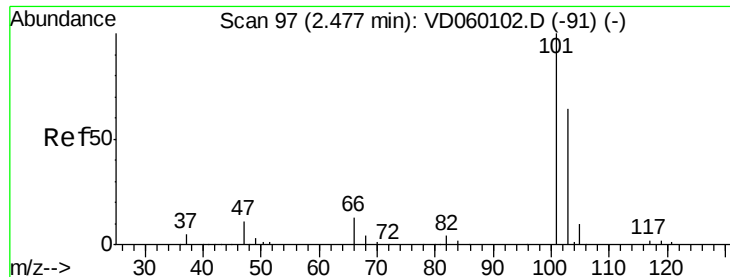
Tgt Ion: 94 Resp: 22835
Ion Ratio Lower Upper
94 100
96 86.3 77.4 116.2



#6
Chloroethane
Concen: 16.664 ug/l
RT: 2.24 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion: 64 Resp: 48322
Ion Ratio Lower Upper
64 100
66 33.2 24.6 37.0





#7

Trichlorofluoromethane

Concen: 21.094 ug/l

RT: 2.50 min Scan# 99

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

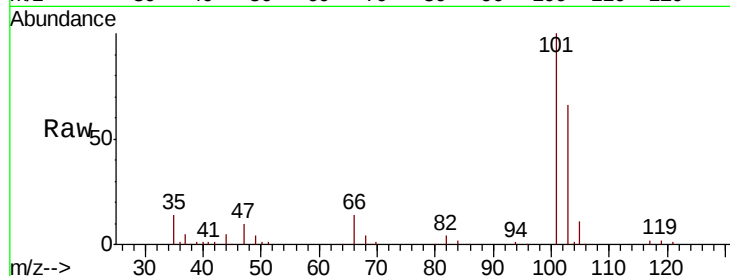
VD1026SBSD01

Tgt Ion:101 Resp: 268384

Ion Ratio Lower Upper

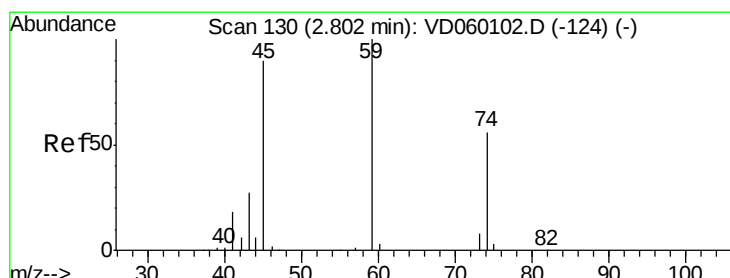
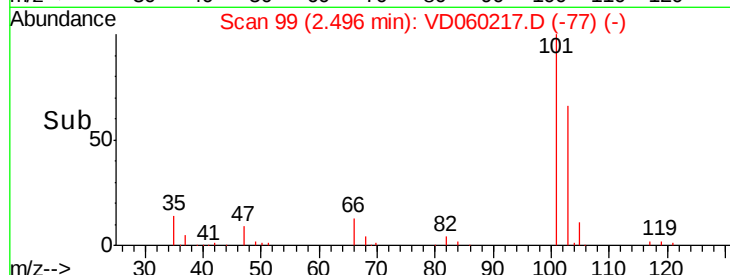
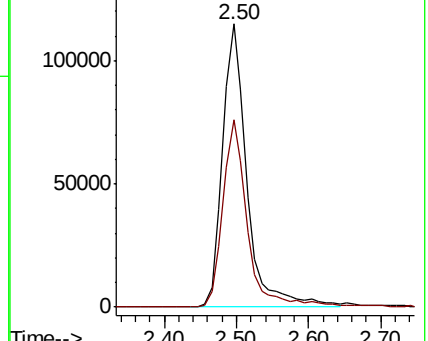
101 100

103 66.2 51.5 77.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 24.804 ug/l

RT: 2.82 min Scan# 132

Delta R.T. 0.02 min

Lab File: VD060217.D

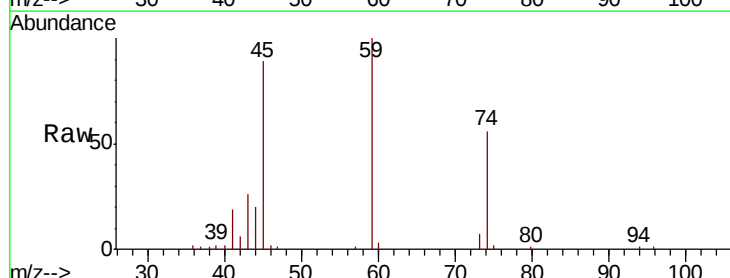
Acq: 26 Oct 2018 15:40

Tgt Ion: 74 Resp: 64895

Ion Ratio Lower Upper

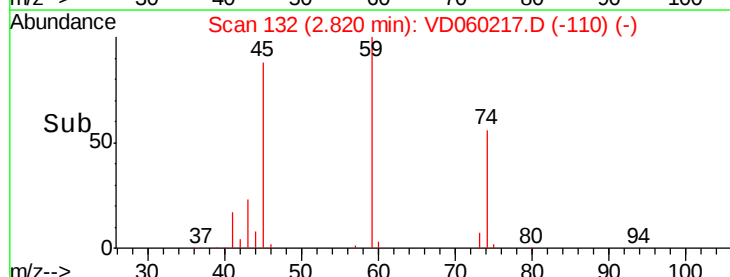
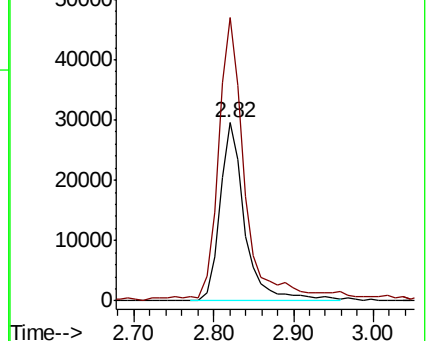
74 100

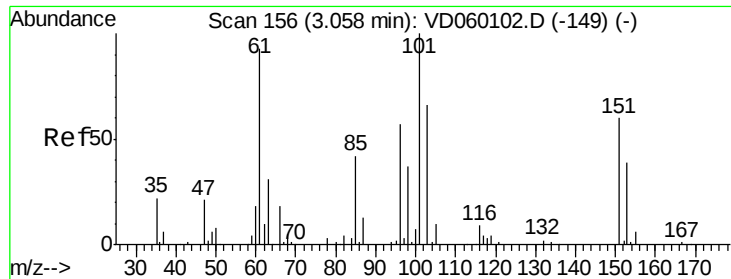
45 159.0 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.405 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBSD01

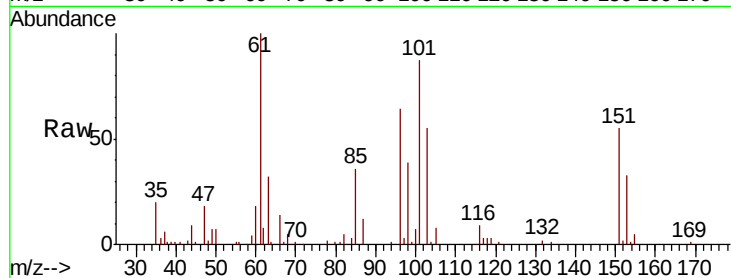
Tgt Ion:101 Resp: 185520

Ion Ratio Lower Upper

101 100

85 41.5 33.4 50.0

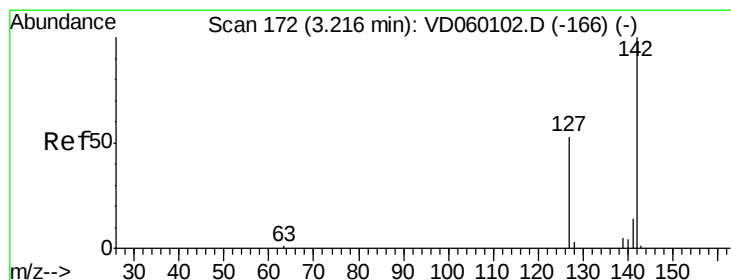
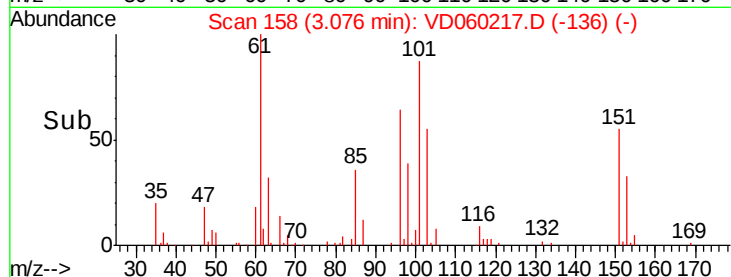
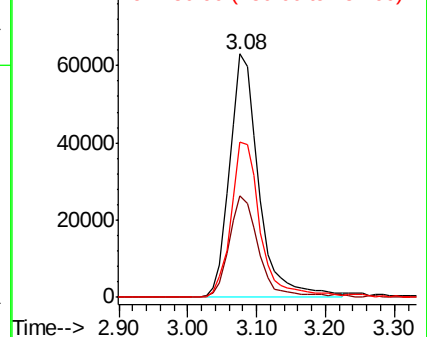
151 64.0 48.0 72.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 21.209 ug/l

RT: 3.23 min Scan# 174

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

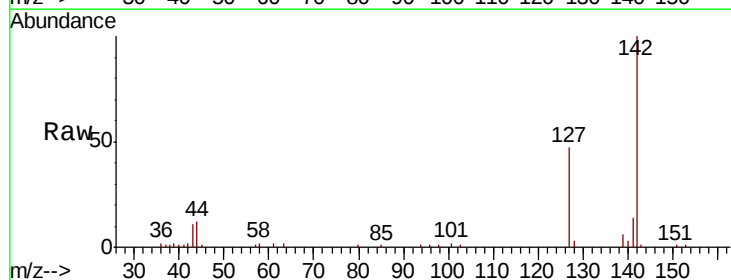
Tgt Ion:142 Resp: 178276

Ion Ratio Lower Upper

142 100

127 47.2 42.0 63.0

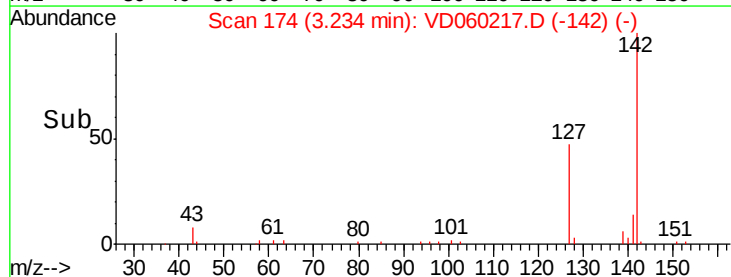
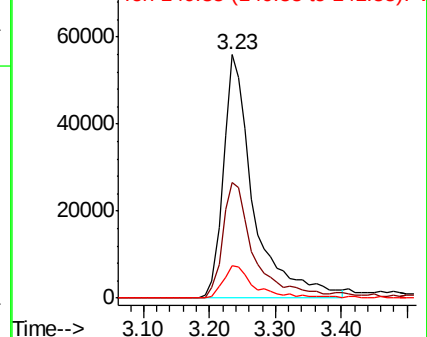
141 13.6 11.4 17.0

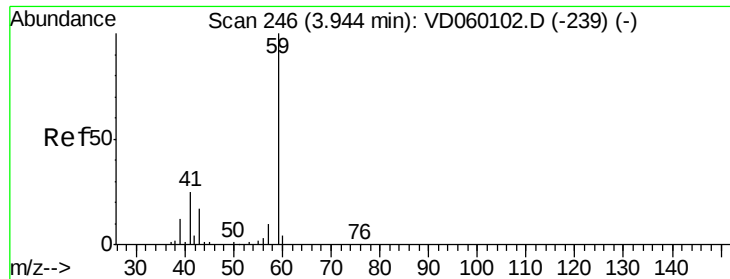


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

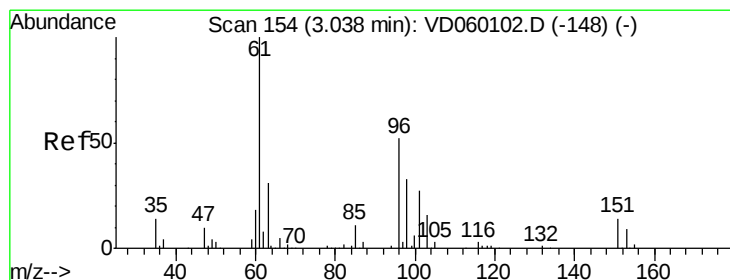
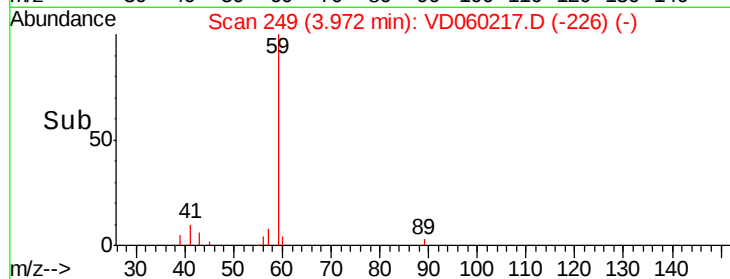
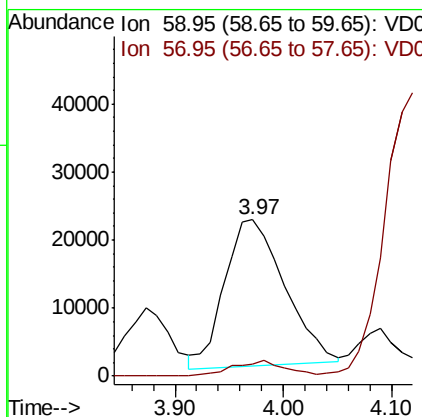
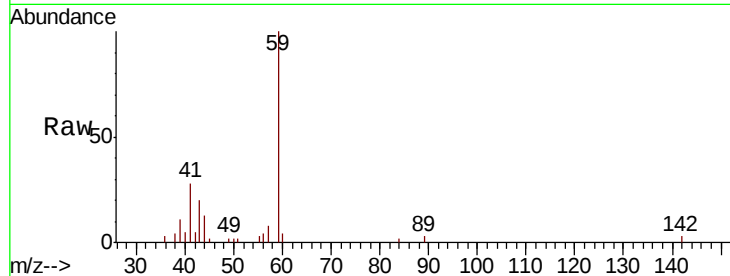




#11
Tert butyl alcohol
Concen: 100.307 ug/l
RT: 3.97 min Scan# 249
Delta R.T. 0.03 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

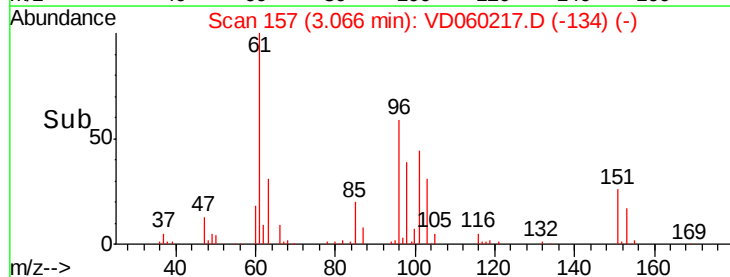
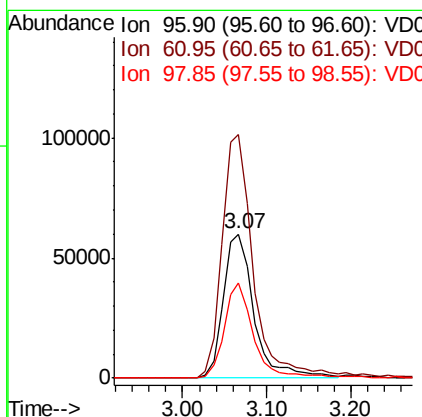
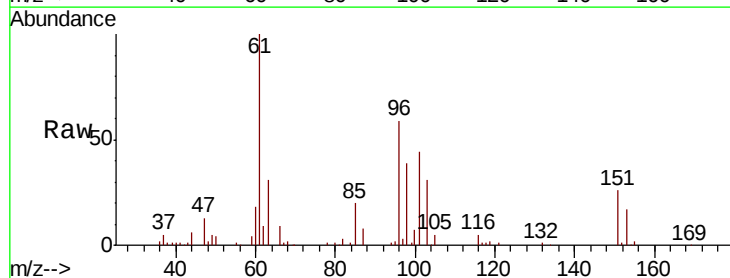
Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

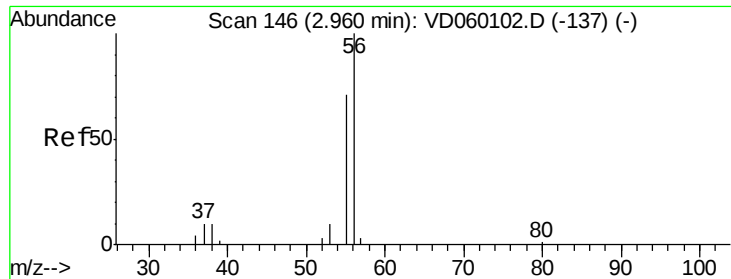
Tgt Ion: 59 Resp: 83475
Ion Ratio Lower Upper
59 100
57 7.9 7.8 11.6



#12
1,1-Dichloroethene
Concen: 24.266 ug/l
RT: 3.07 min Scan# 157
Delta R.T. 0.03 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion: 96 Resp: 151528
Ion Ratio Lower Upper
96 100
61 168.8 153.0 229.4
98 65.9 51.1 76.7





#13

Acrolein

Concen: 80.152 ug/l

RT: 2.98 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

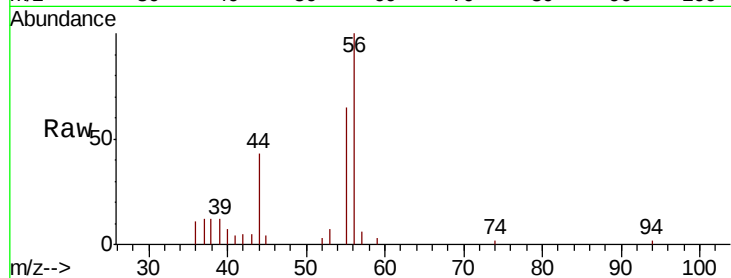
VD1026SBSD01

Tgt Ion: 56 Resp: 41118

Ion Ratio Lower Upper

56 100

55 64.8 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

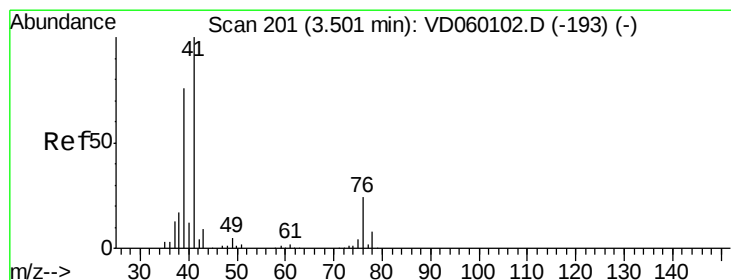
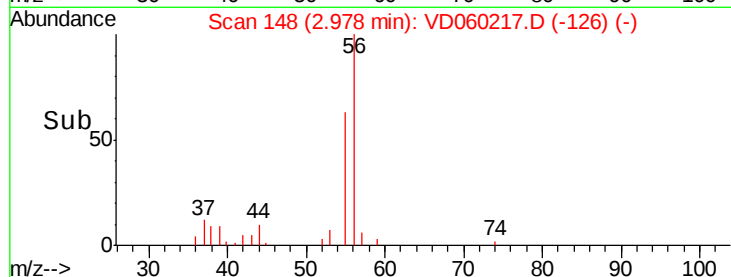
10000

5000

0

2.90 2.95 3.00 3.05 3.10

Time-->



#14

Allyl chloride

Concen: 23.238 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.03 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

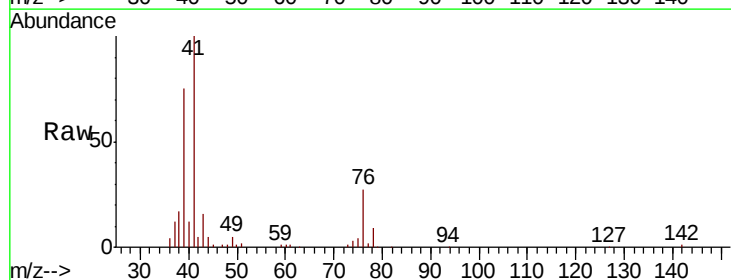
Tgt Ion: 41 Resp: 301384

Ion Ratio Lower Upper

41 100

39 74.8 60.6 90.8

76 26.9 21.3 31.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

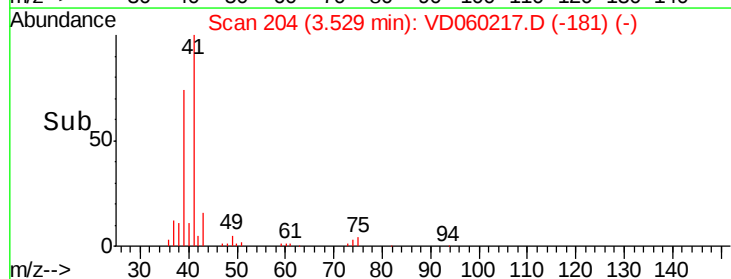
100000

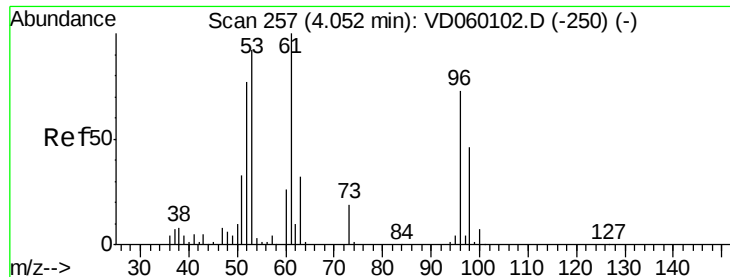
50000

0

3.40 3.50 3.60

Time-->





#15

Acrylonitrile

Concen: 110.363 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBSD01

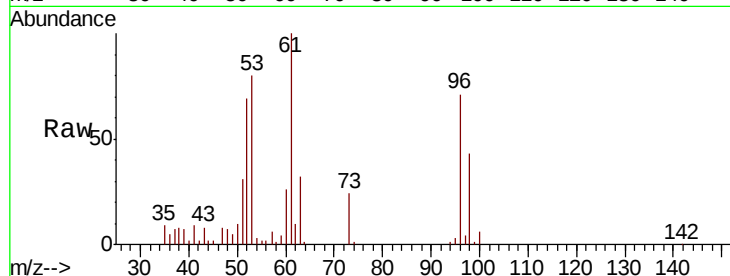
Tgt Ion: 53 Resp: 380151

Ion Ratio Lower Upper

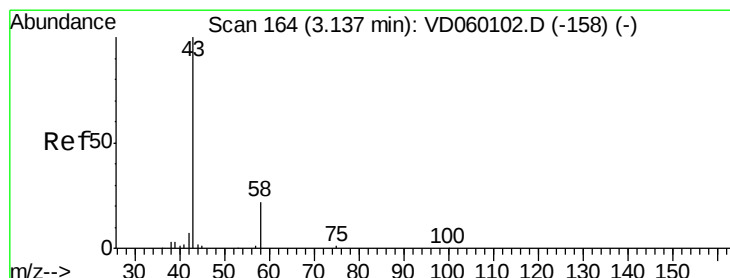
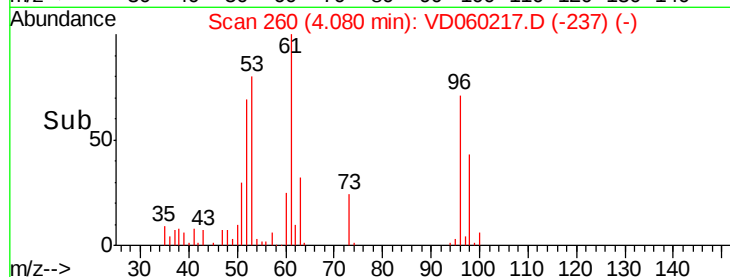
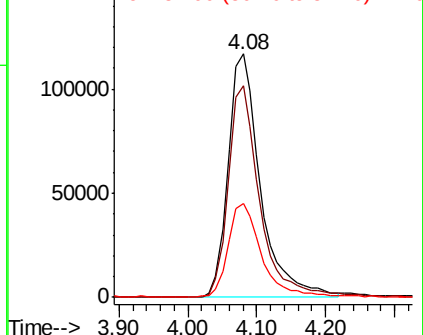
53 100

52 86.8 67.5 101.3

51 38.4 29.3 43.9



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



#16

Acetone

Concen: 145.708 ug/l

RT: 3.15 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060217.D

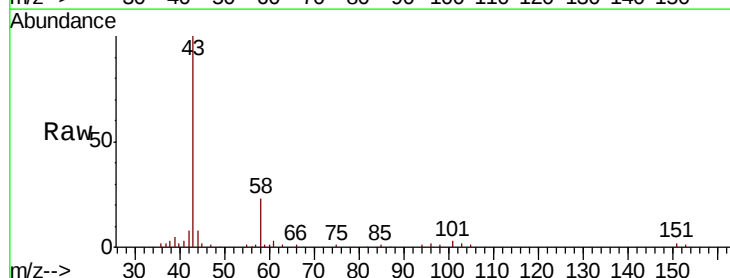
Acq: 26 Oct 2018 15:40

Tgt Ion: 43 Resp: 306790

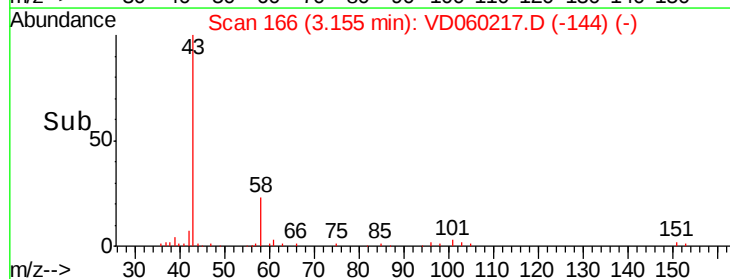
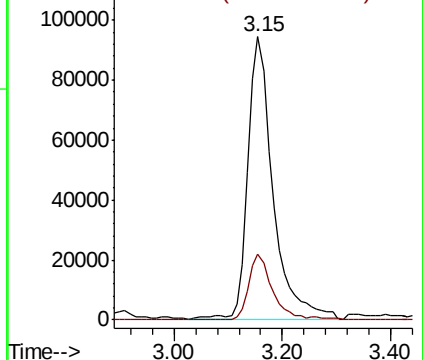
Ion Ratio Lower Upper

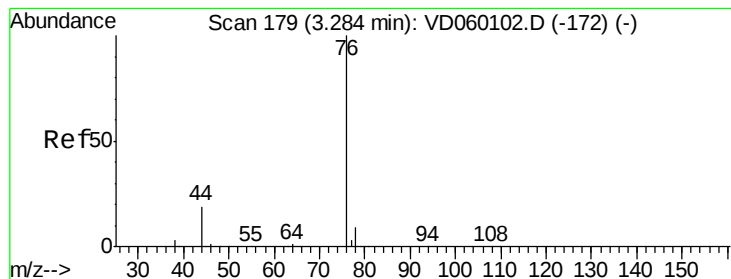
43 100

58 23.1 17.7 26.5



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





#17

Carbon Disulfide

Concen: 21.889 ug/l

RT: 3.30 min Scan# 181

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

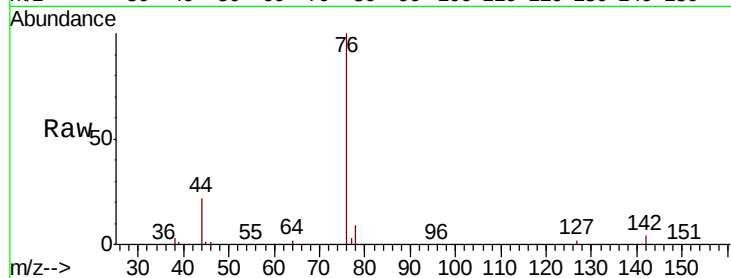
VD1026SBSD01

Tgt Ion: 76 Resp: 459638

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.30

200000

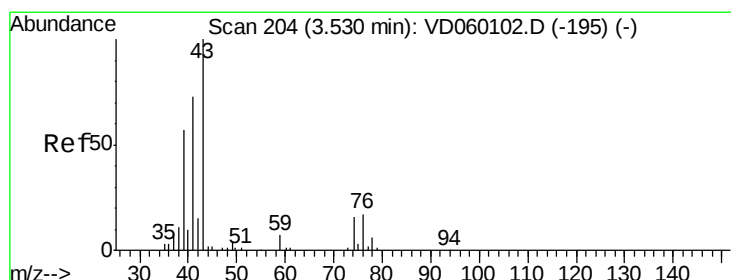
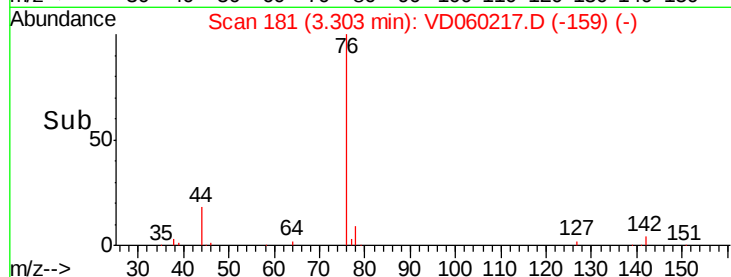
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.371 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.02 min

Lab File: VD060217.D

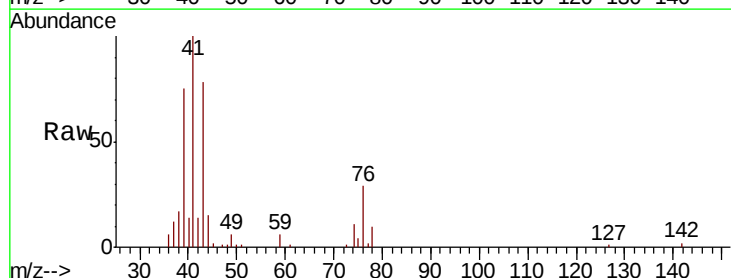
Acq: 26 Oct 2018 15:40

Tgt Ion: 43 Resp: 101241

Ion Ratio Lower Upper

43 100

74 14.1 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.55

40000

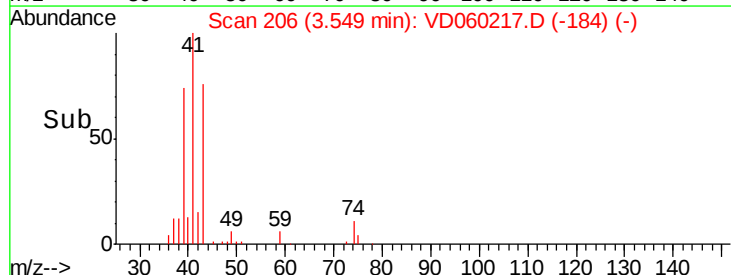
30000

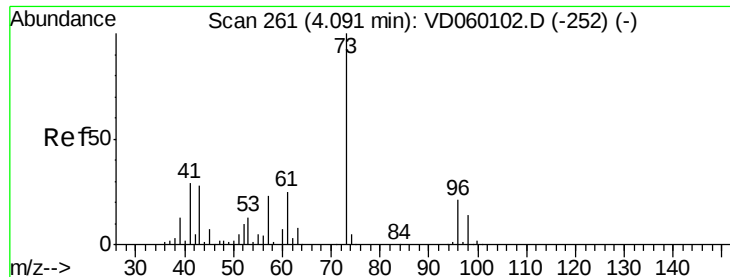
20000

10000

0

Time-->

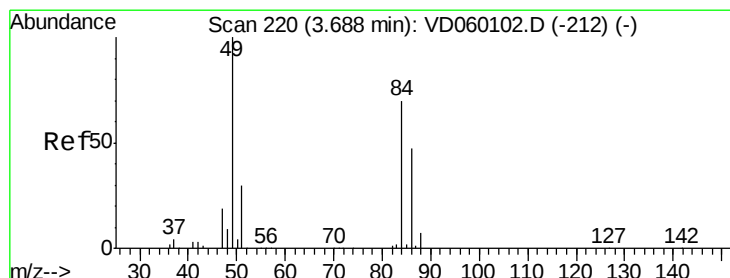
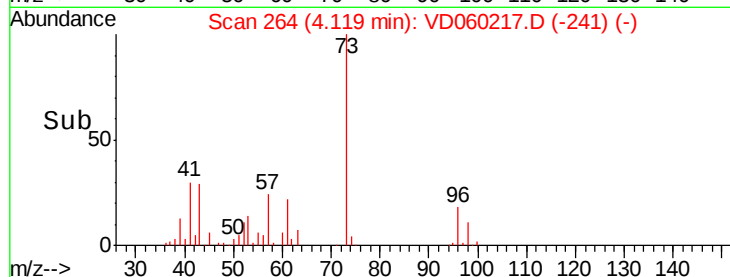
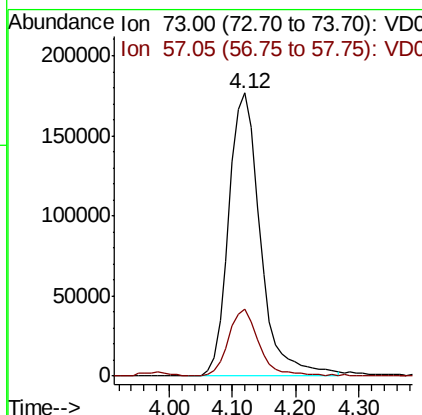
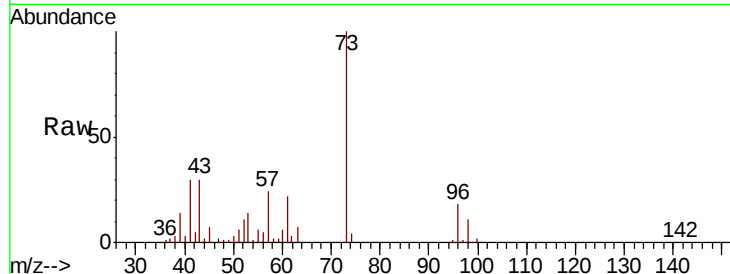




#19
Methyl tert-butyl Ether
Concen: 22.447 ug/l
RT: 4.12 min Scan# 264
Delta R.T. 0.03 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

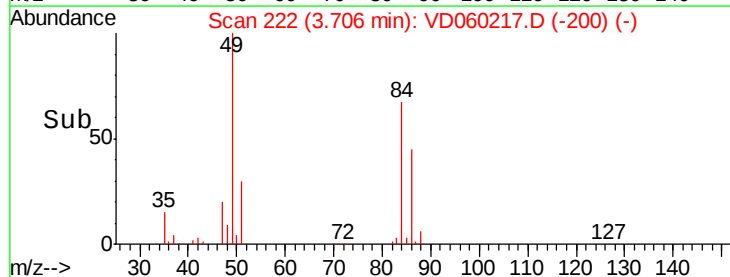
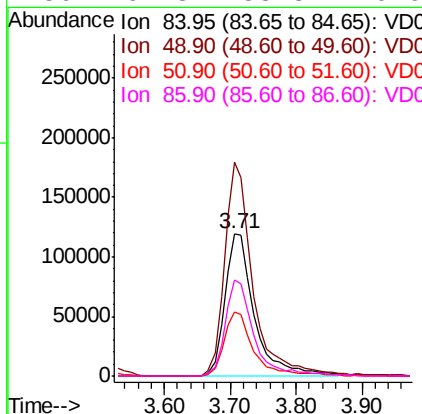
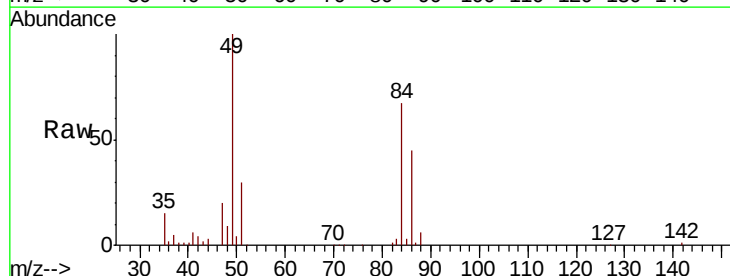
Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

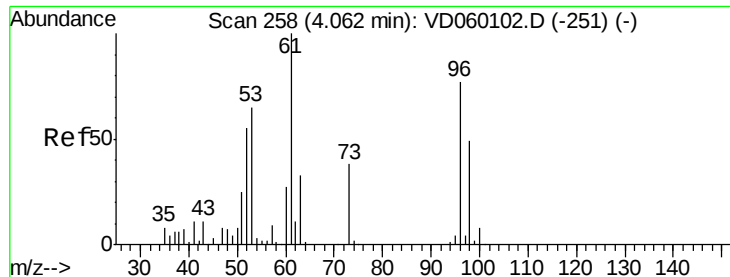
Tgt Ion: 73 Resp: 616289
Ion Ratio Lower Upper
73 100
57 23.6 18.7 28.1



#20
Methylene Chloride
Concen: 19.924 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.02 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion: 84 Resp: 373082
Ion Ratio Lower Upper
84 100
49 150.2 114.6 172.0
51 45.2 33.8 50.8
86 67.8 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 20.962 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.03 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBSD01

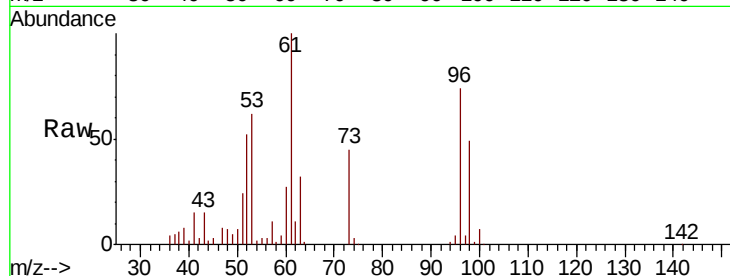
Tgt Ion: 96 Resp: 338070

Ion Ratio Lower Upper

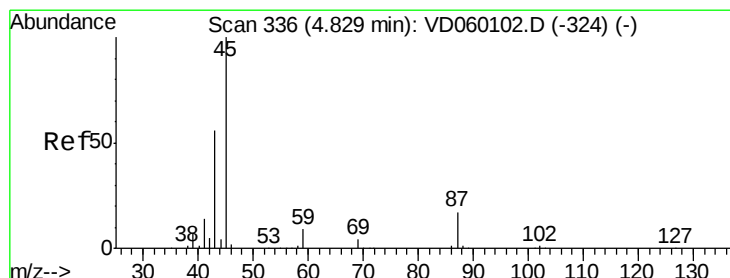
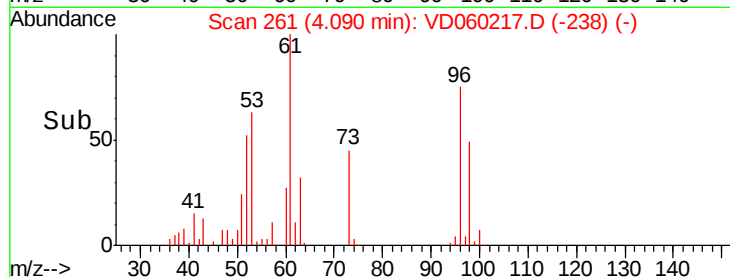
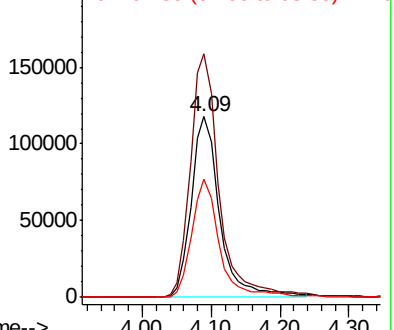
96 100

61 134.7 103.3 154.9

98 65.5 50.4 75.6



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



#22

Diisopropyl ether

Concen: 22.736 ug/l

RT: 4.85 min Scan# 338

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Tgt Ion: 45 Resp: 1316877

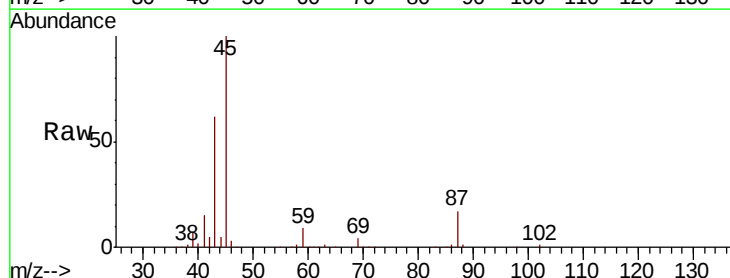
Ion Ratio Lower Upper

45 100

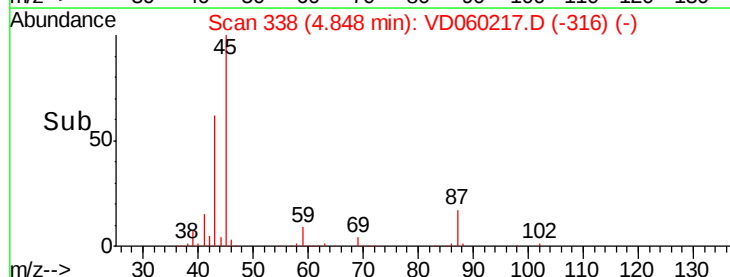
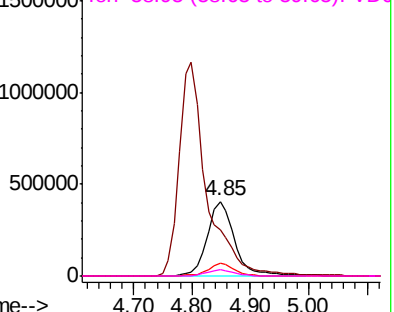
43 62.4 44.8 67.2

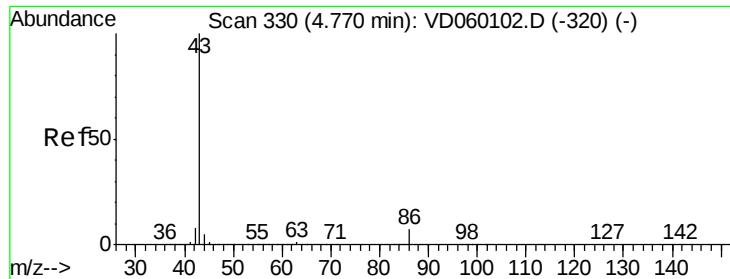
87 16.9 13.9 20.9

59 9.1 7.1 10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 116.536 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

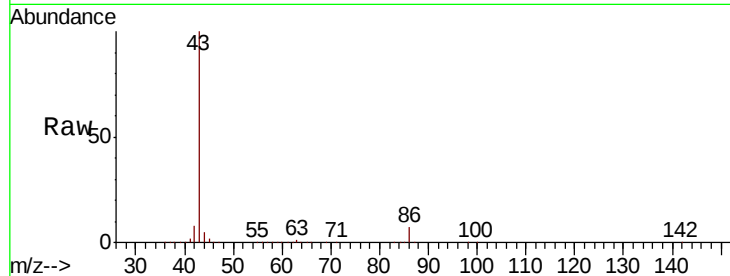
VD1026SBS01

Tgt Ion: 43 Resp: 3794058

Ion Ratio Lower Upper

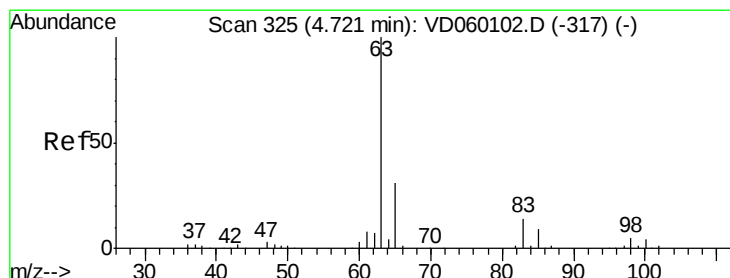
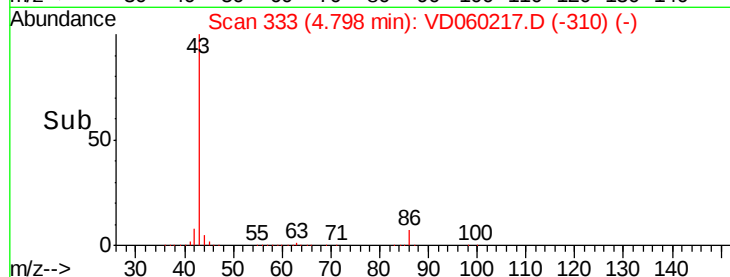
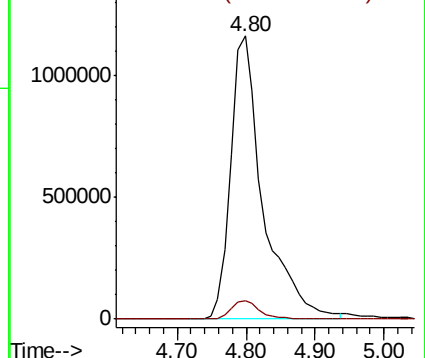
43 100

86 6.7 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.325 ug/l

RT: 4.75 min Scan# 328

Delta R.T. 0.03 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

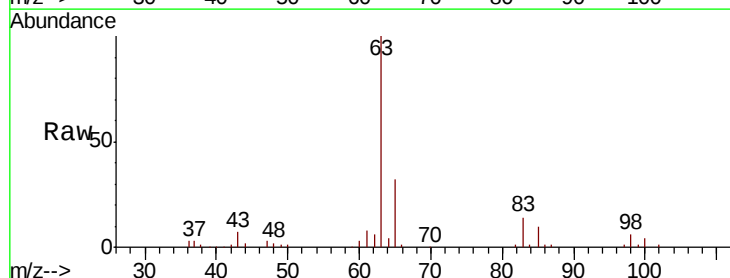
Tgt Ion: 63 Resp: 586289

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.3

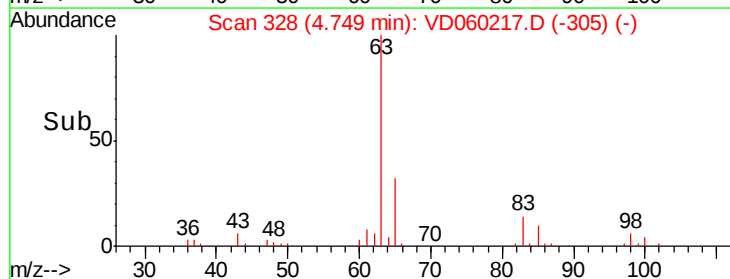
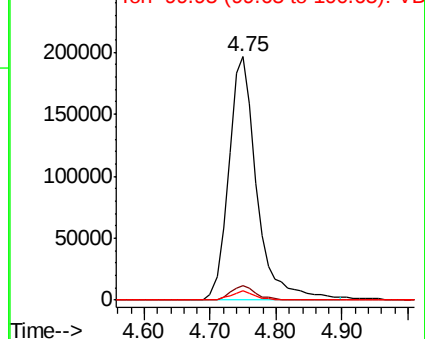
100 3.6 1.8 5.3

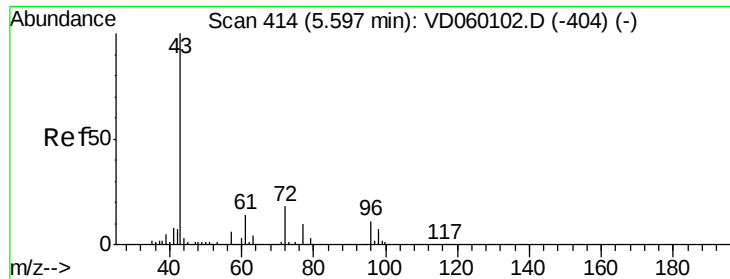


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 121.501 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

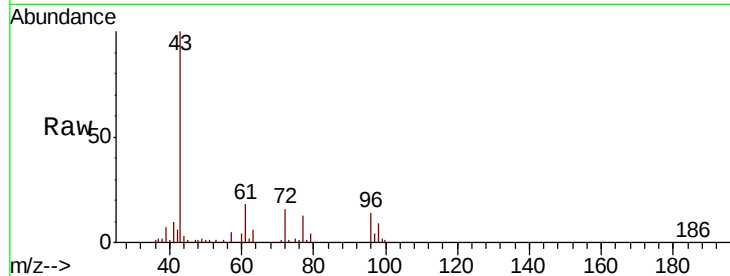
VD1026SBSD01

Tgt Ion: 43 Resp: 639104

Ion Ratio Lower Upper

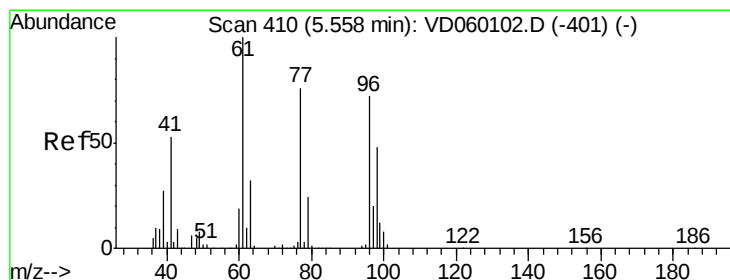
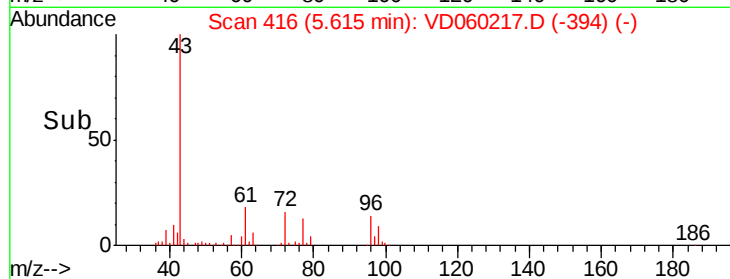
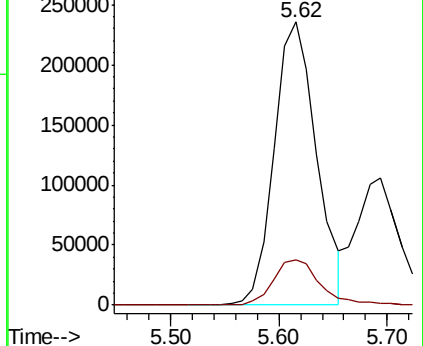
43 100

72 16.1 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.284 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.02 min

Lab File: VD060217.D

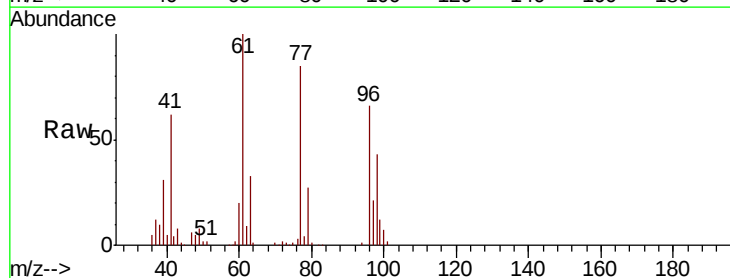
Acq: 26 Oct 2018 15:40

Tgt Ion: 77 Resp: 463542

Ion Ratio Lower Upper

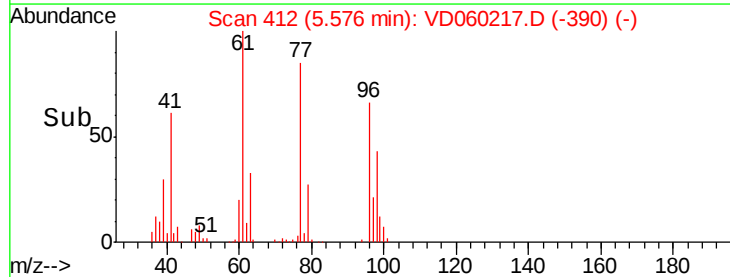
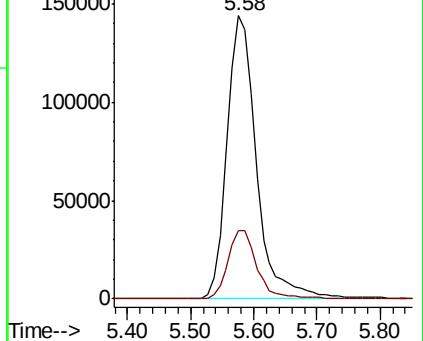
77 100

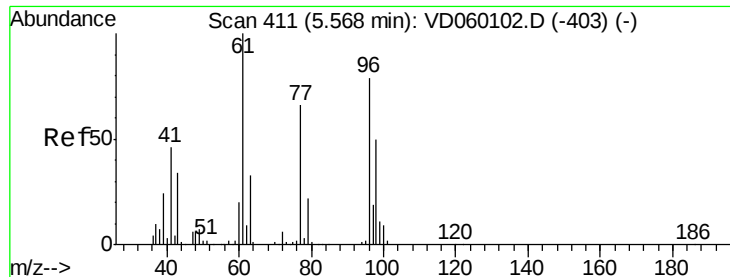
97 24.2 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



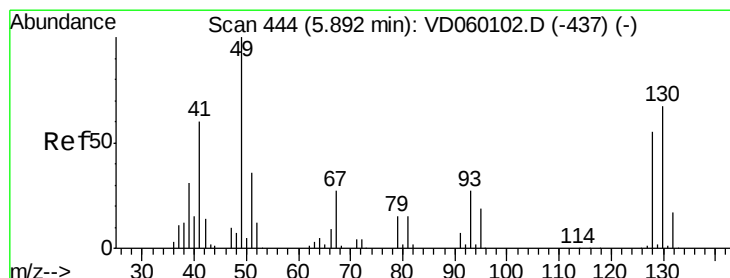
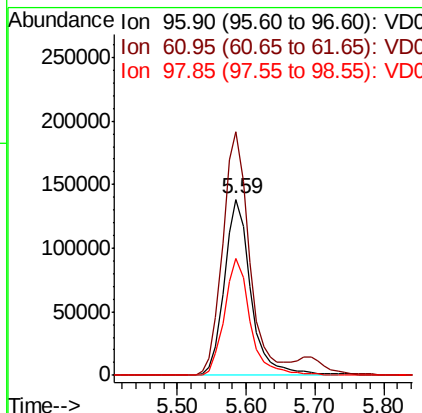
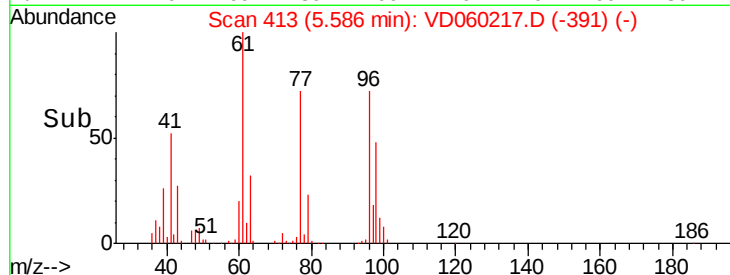
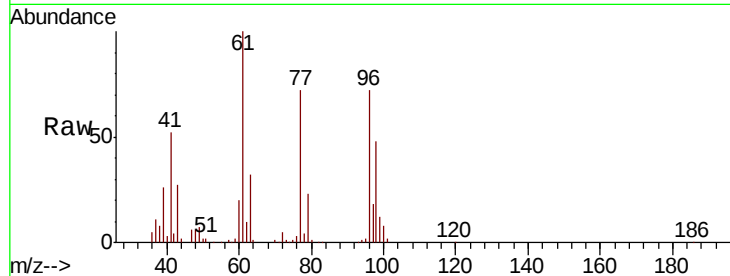


#27

cis-1,2-Dichloroethene
Concen: 21.640 ug/l
RT: 5.59 min Scan# 413
Delta R.T. 0.02 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

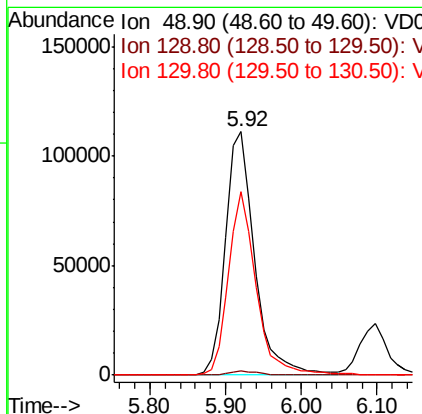
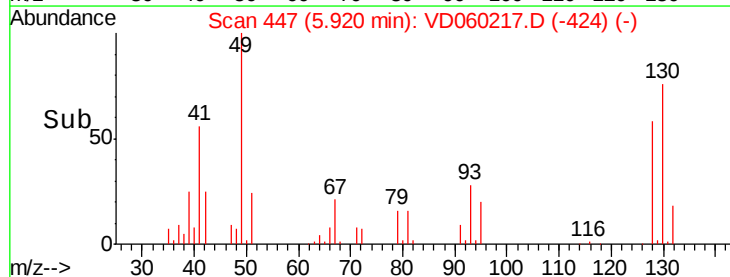
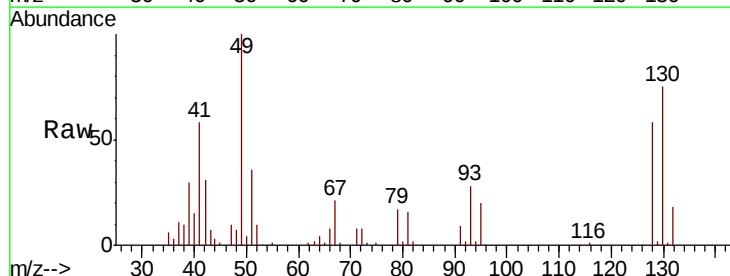
Tgt Ion: 96 Resp: 369759
Ion Ratio Lower Upper
96 100
61 138.3 0.0 251.8
98 66.5 0.0 125.2

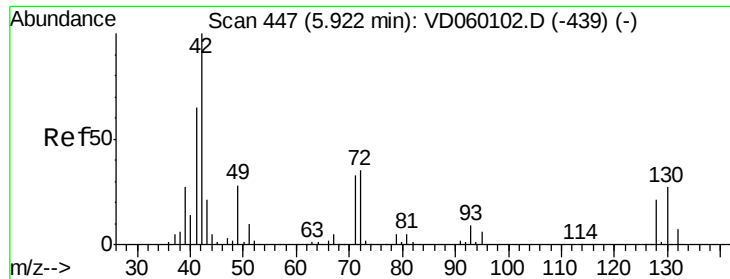


#28

Bromochloromethane
Concen: 23.222 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion: 49 Resp: 296351
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.6
130 75.3 53.9 80.9





#29

Tetrahydrofuran

Concen: 110.995 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

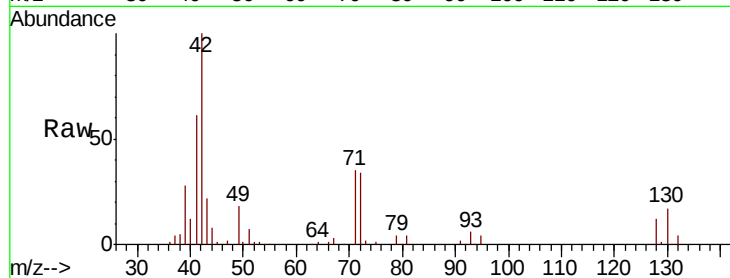
Tgt Ion: 42 Resp: 339125

Ion Ratio Lower Upper

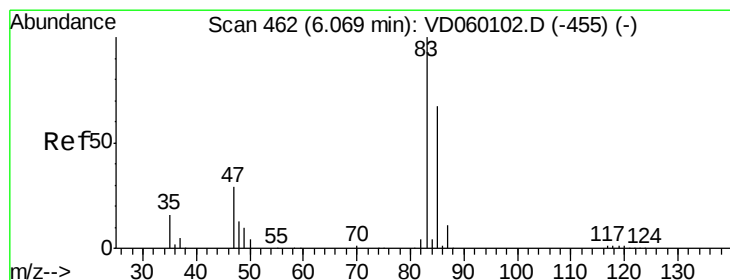
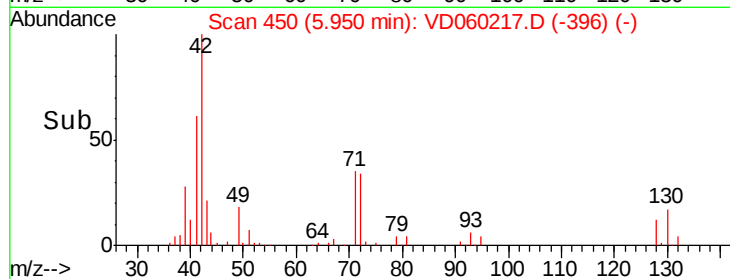
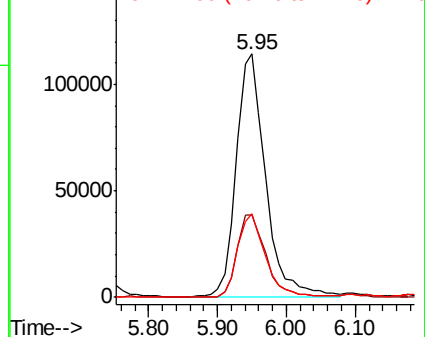
42 100

72 33.6 26.9 40.3

71 32.9 26.7 40.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 22.398 ug/l

RT: 6.10 min Scan# 465

Delta R.T. 0.03 min

Lab File: VD060217.D

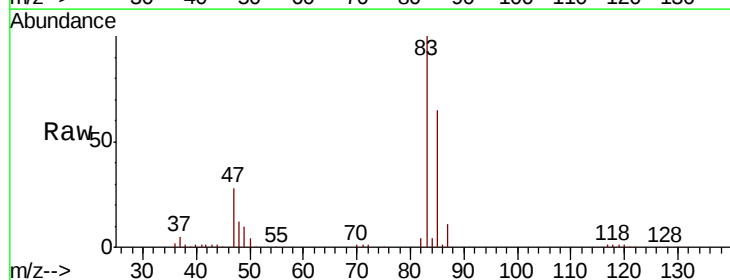
Acq: 26 Oct 2018 15:40

Tgt Ion: 83 Resp: 594995

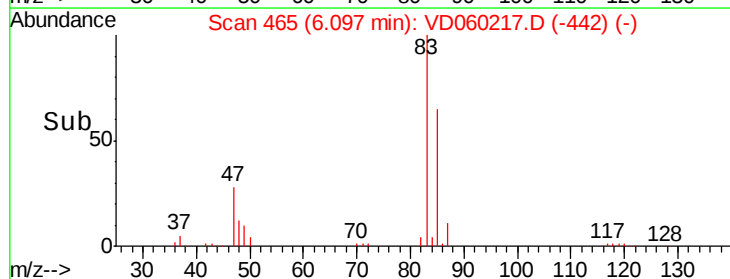
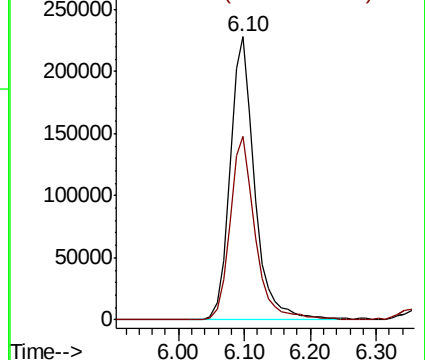
Ion Ratio Lower Upper

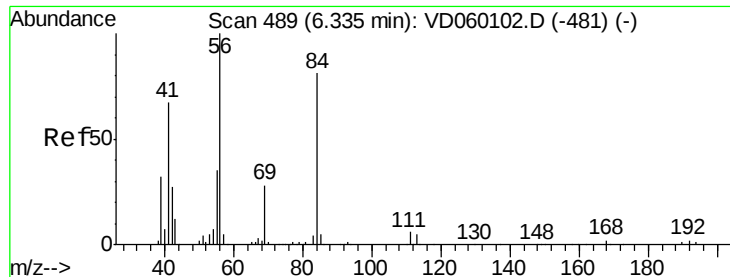
83 100

85 64.9 53.8 80.8



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

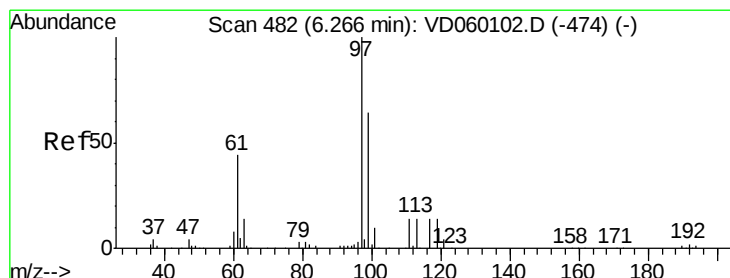
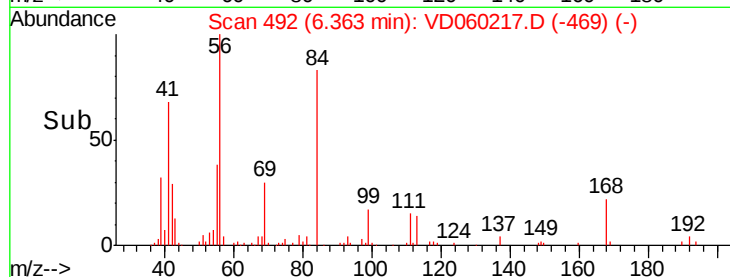
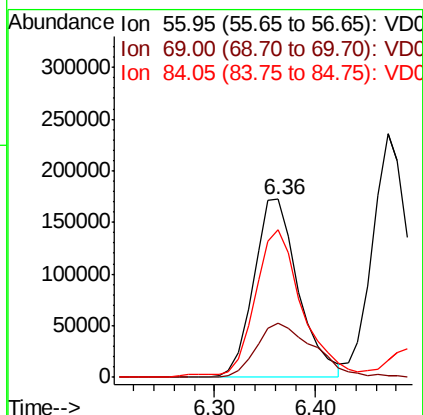
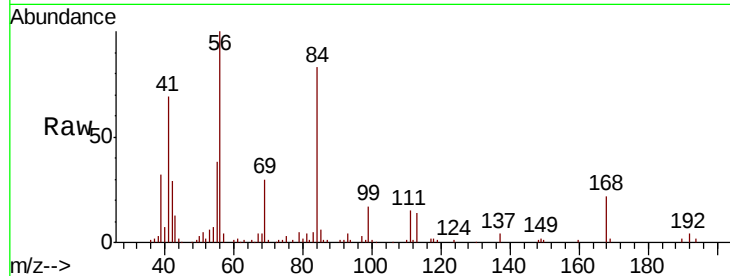




#31
Cyclohexane
Concen: 21.083 ug/l
RT: 6.36 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

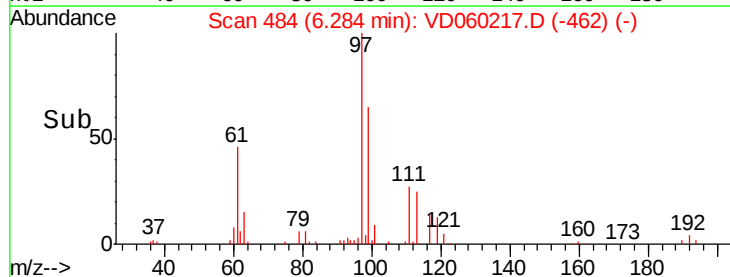
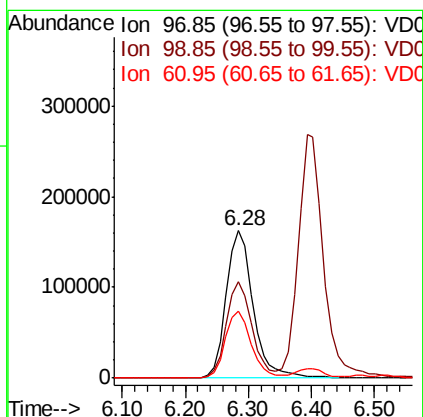
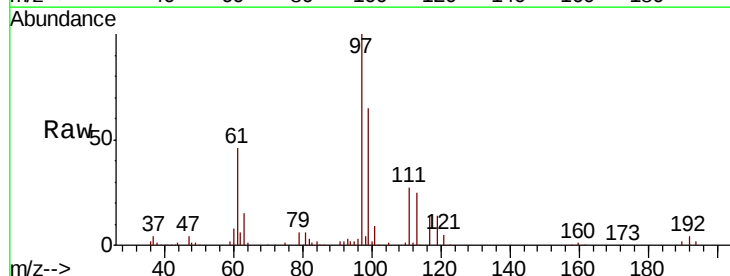
Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

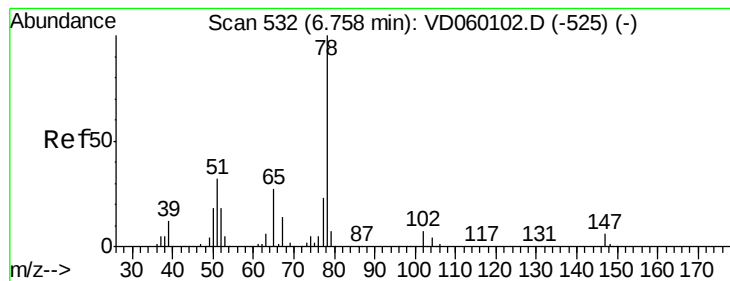
Tgt Ion: 56 Resp: 529991
Ion Ratio Lower Upper
56 100
69 30.2 22.8 34.2
84 82.7 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 22.097 ug/l
RT: 6.28 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion: 97 Resp: 480913
Ion Ratio Lower Upper
97 100
99 65.3 51.4 77.0
61 45.6 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 22.097 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

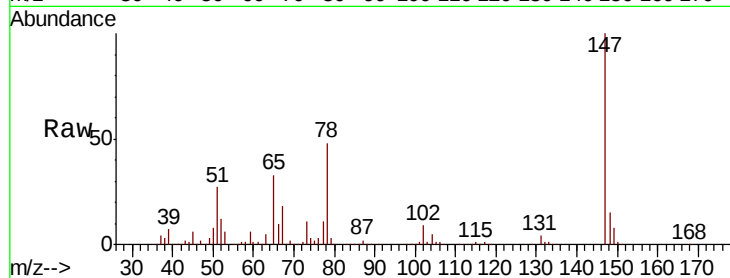
VD1026SBSD01

Tgt Ion: 65 Resp: 600307

Ion Ratio Lower Upper

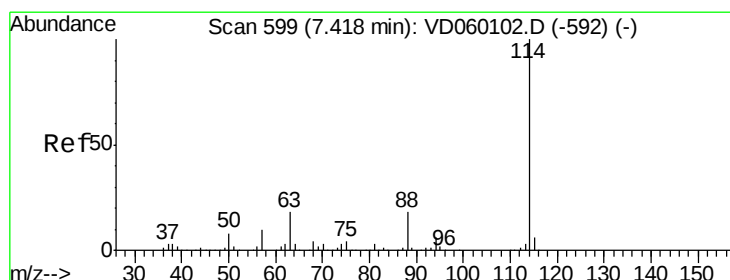
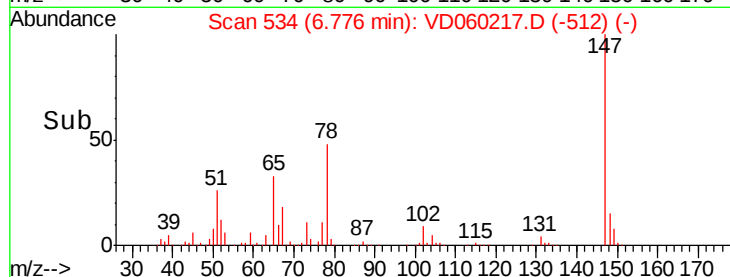
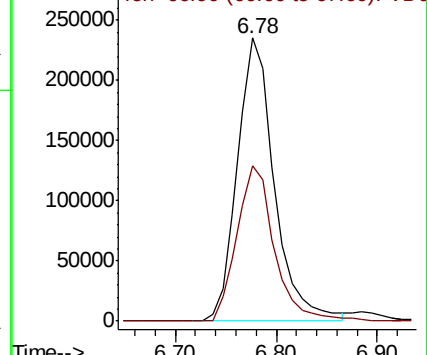
65 100

67 55.0 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

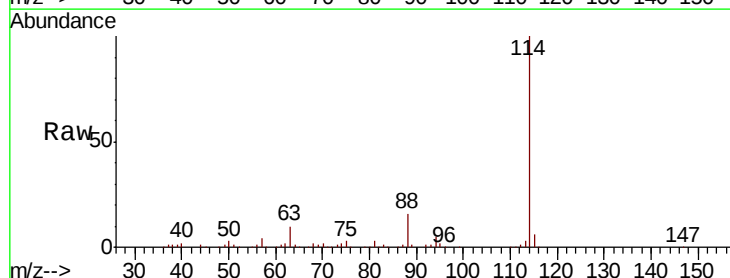
Tgt Ion: 114 Resp: 2028641

Ion Ratio Lower Upper

114 100

63 9.6 0.0 36.0

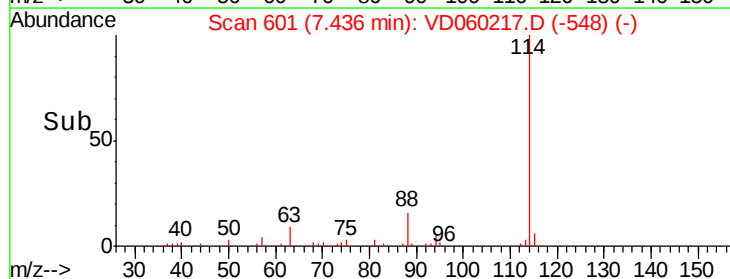
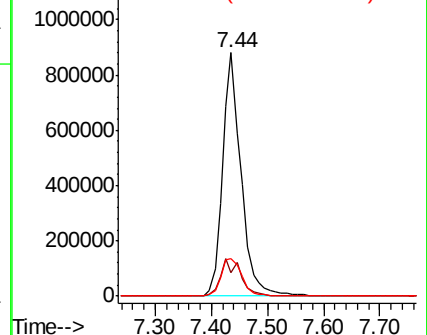
88 15.5 0.0 36.2

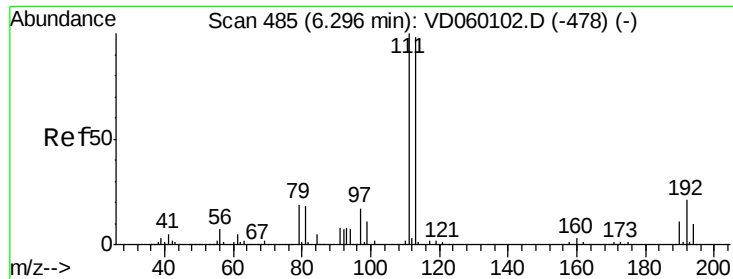


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBSD01

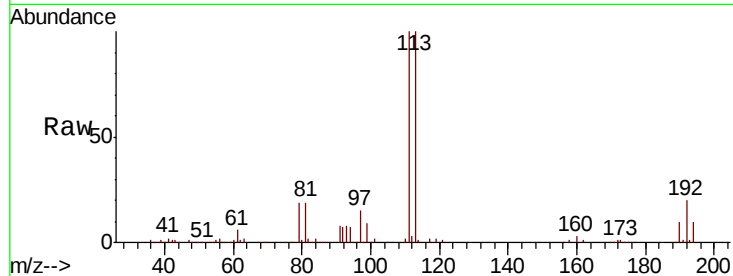
Tgt Ion:113 Resp: 861676

Ion Ratio Lower Upper

113 100

111 100.2 81.5 122.3

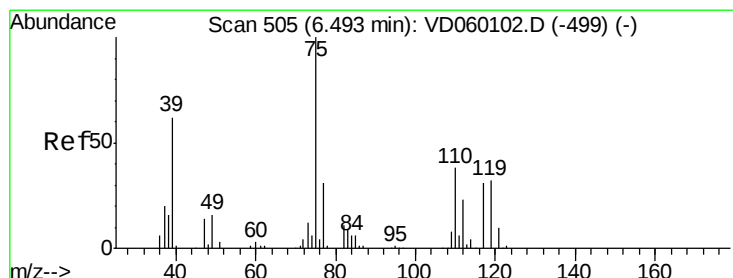
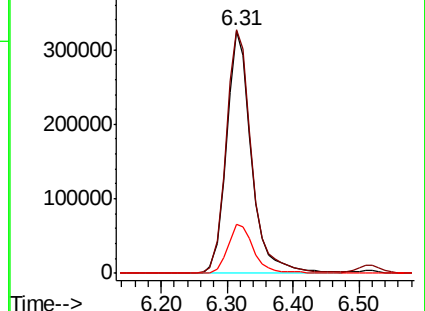
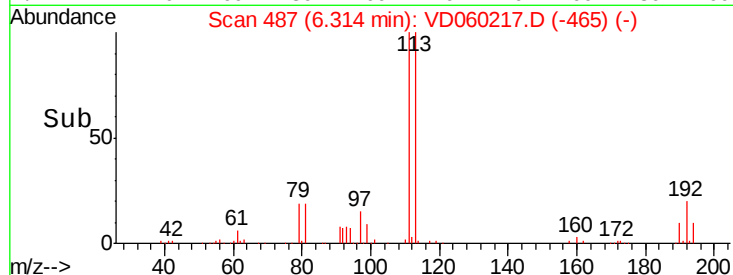
192 20.4 17.4 26.0



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: 22.976 ug/l

RT: 6.51 min Scan# 507

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

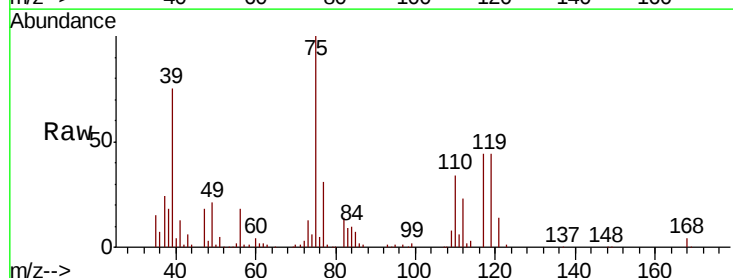
Tgt Ion: 75 Resp: 445402

Ion Ratio Lower Upper

75 100

110 34.1 19.0 57.0

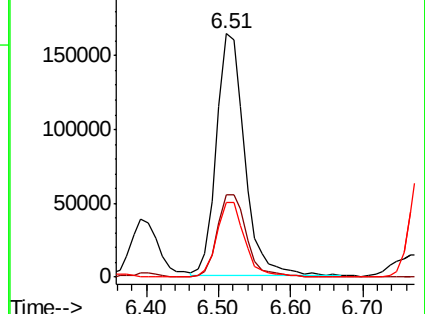
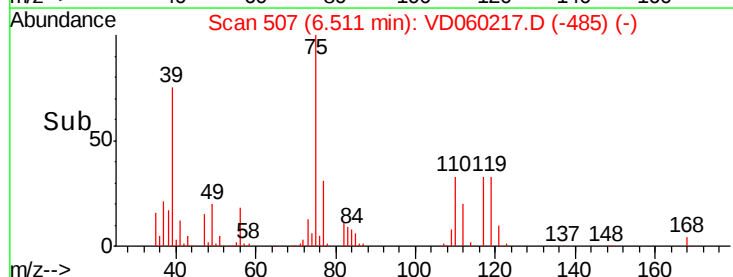
77 30.6 24.9 37.3

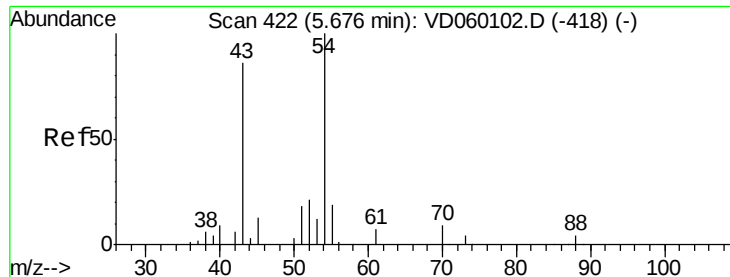


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

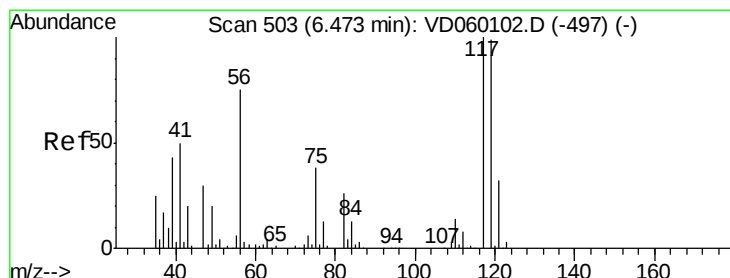
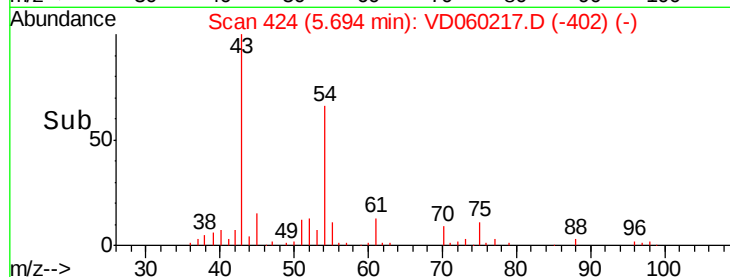
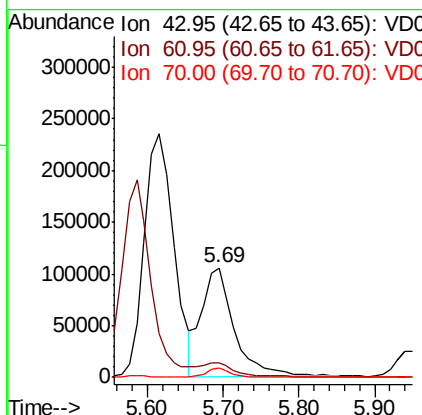
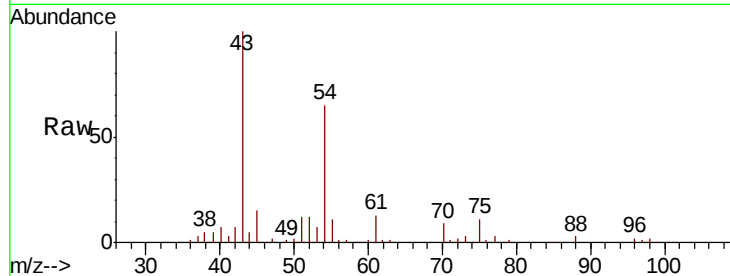




#37
Ethyl Acetate
Concen: 24.321 ug/l
RT: 5.69 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

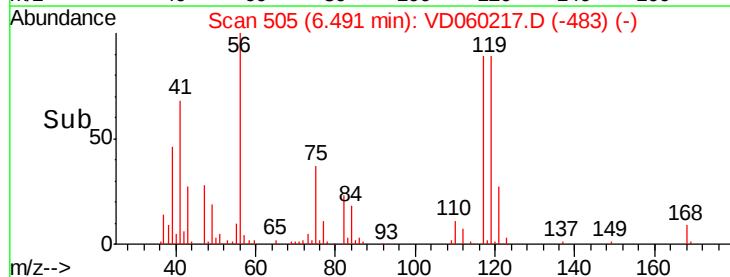
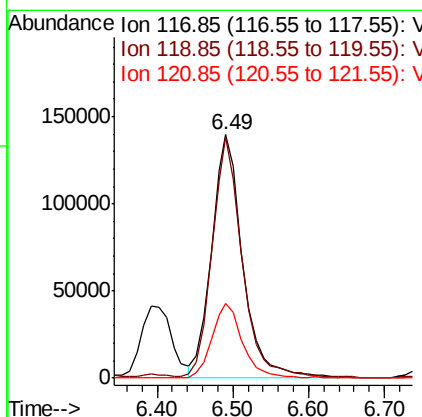
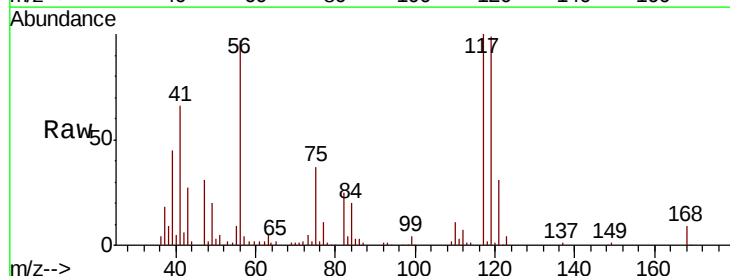
Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

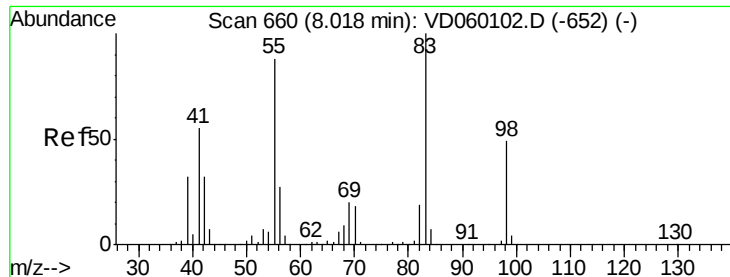
Tgt Ion: 43 Resp: 312947
Ion Ratio Lower Upper
43 100
61 13.3 10.5 15.7
70 8.6 6.3 9.5



#38
Carbon Tetrachloride
Concen: 22.292 ug/l
RT: 6.49 min Scan# 505
Delta R.T. 0.02 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion: 117 Resp: 392224
Ion Ratio Lower Upper
117 100
119 99.1 77.8 116.6
121 30.8 24.8 37.2

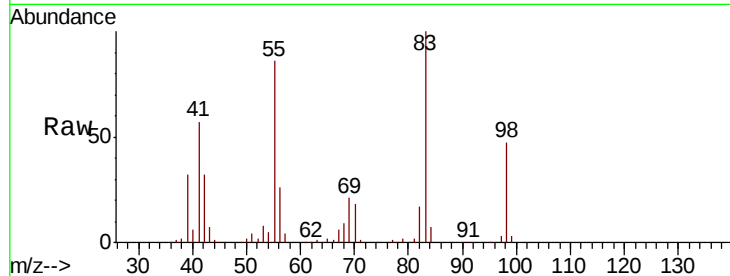




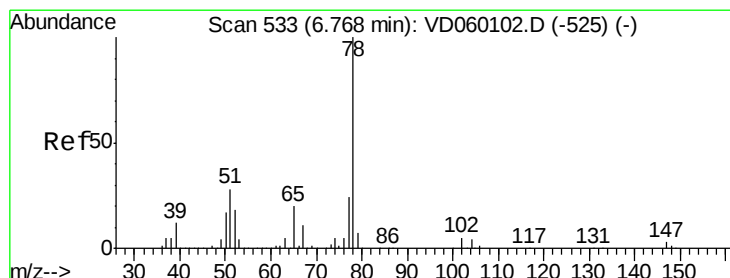
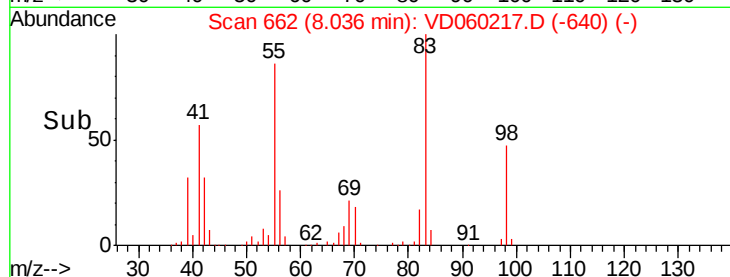
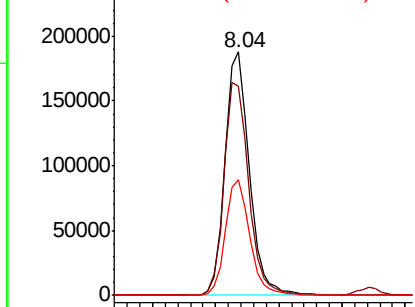
#39
Methylcyclohexane
Concen: 22.777 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

Tgt Ion: 83 Resp: 501684
Ion Ratio Lower Upper
83 100
55 85.9 70.5 105.7
98 47.3 39.4 59.2

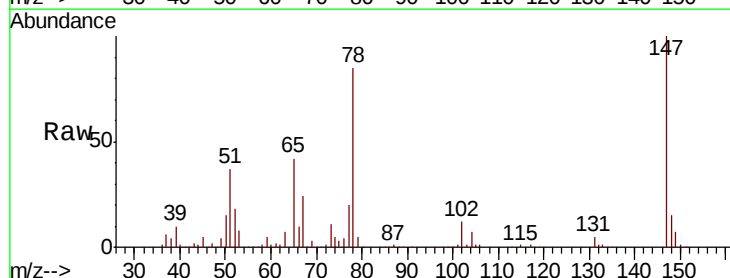


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

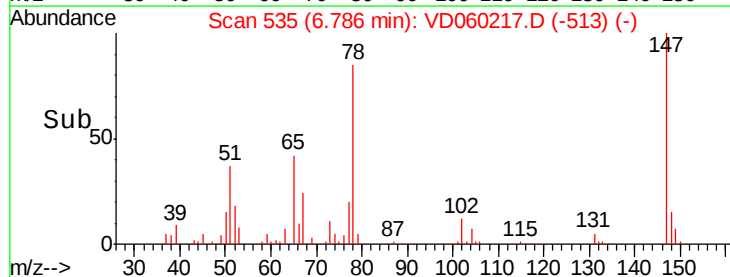
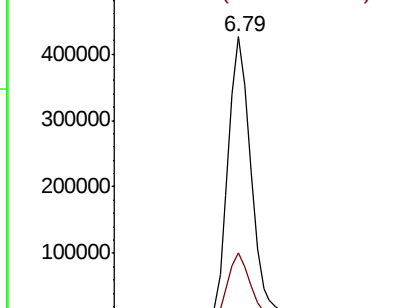


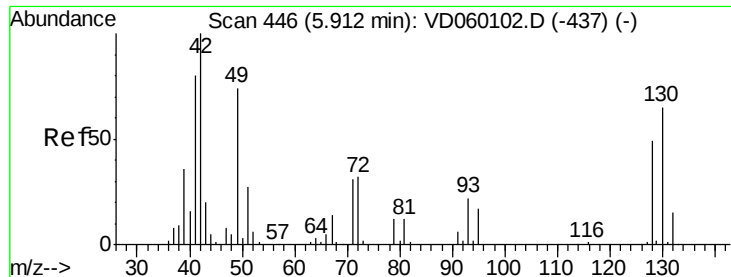
#40
Benzene
Concen: 21.786 ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion: 78 Resp: 1104896
Ion Ratio Lower Upper
78 100
77 23.9 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: 47.259 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.03 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBSD01

Tgt Ion: 41 Resp: 343706

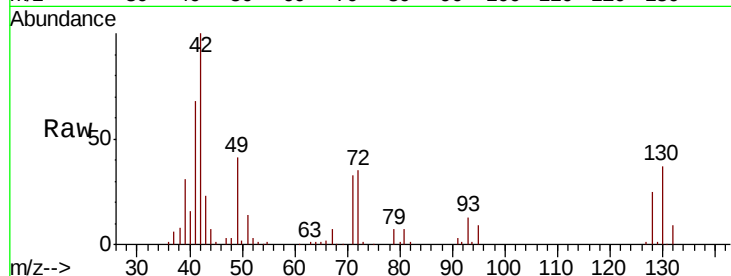
Ion Ratio Lower Upper

41 100

39 45.0 36.0 54.0

67 10.4 13.9 20.9#

52 4.2 6.1 9.1#

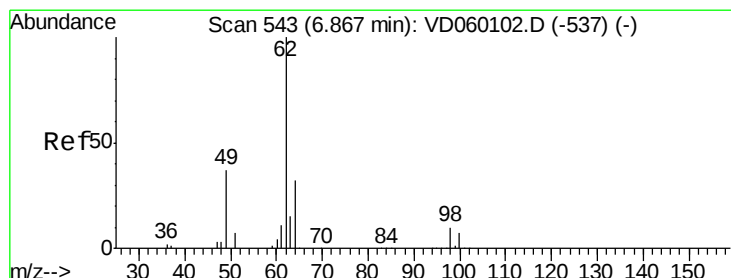
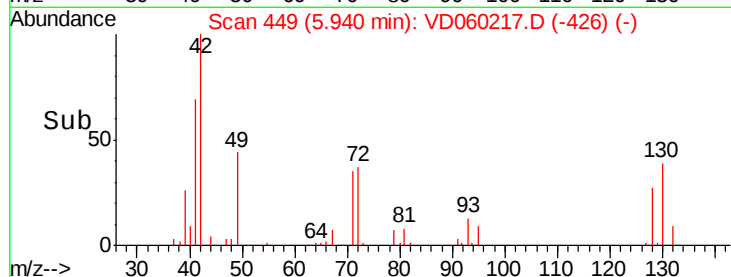
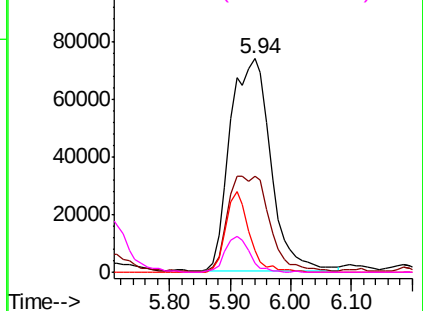


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.558 ug/l

RT: 6.88 min Scan# 545

Delta R.T. 0.02 min

Lab File: VD060217.D

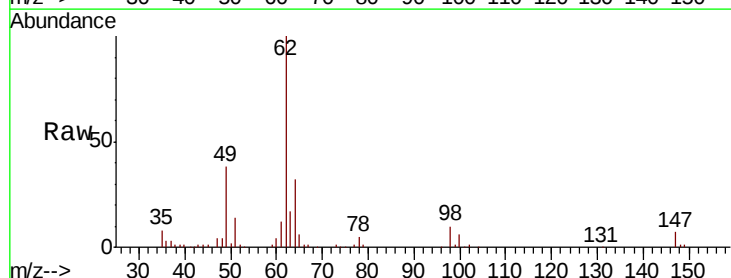
Acq: 26 Oct 2018 15:40

Tgt Ion: 62 Resp: 327999

Ion Ratio Lower Upper

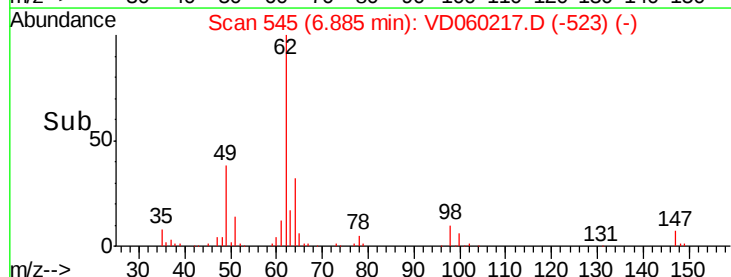
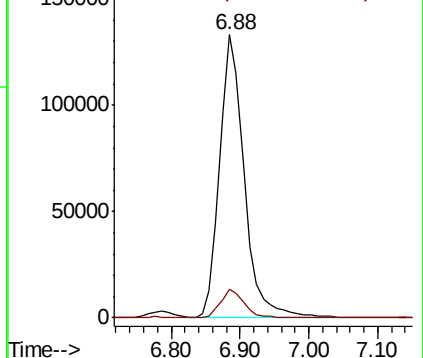
62 100

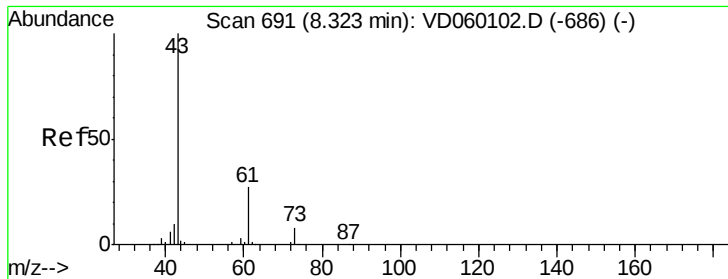
98 10.2 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 23.137 ug/l

RT: 8.34 min Scan# 693

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBSD01

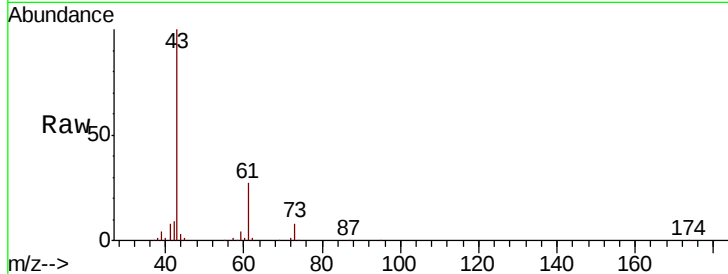
Tgt Ion: 43 Resp: 391669

Ion Ratio Lower Upper

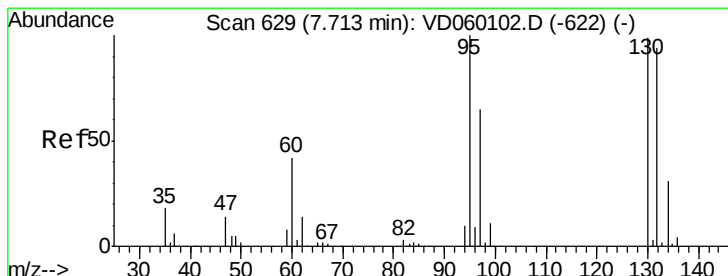
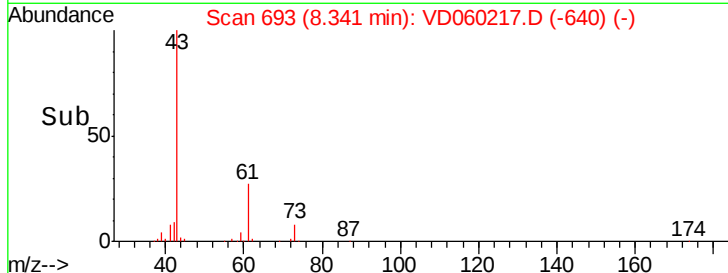
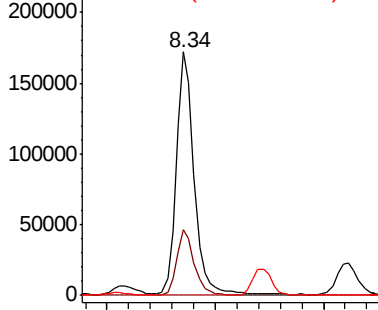
43 100

61 26.9 21.4 32.2

87 0.4 0.2 0.2#



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



#44

Trichloroethene

Concen: 22.437 ug/l

RT: 7.73 min Scan# 631

Delta R.T. 0.02 min

Lab File: VD060217.D

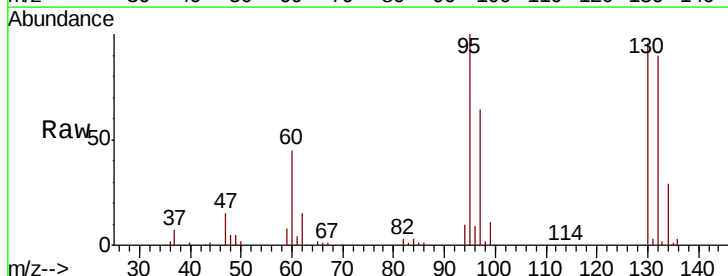
Acq: 26 Oct 2018 15:40

Tgt Ion: 130 Resp: 352237

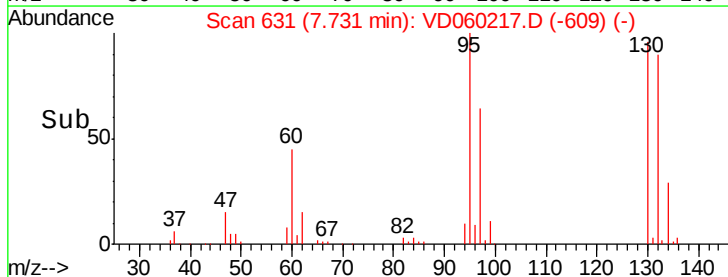
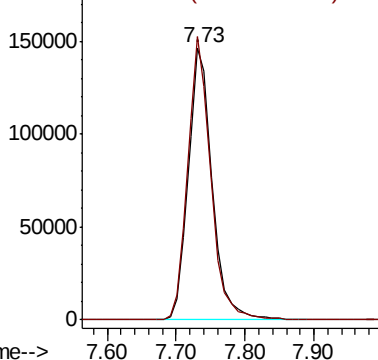
Ion Ratio Lower Upper

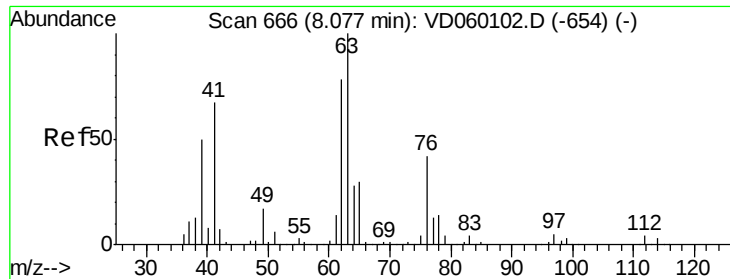
130 100

95 103.9 0.0 202.2



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





#45

1,2-Dichloropropane

Concen: 23.409 ug/l

RT: 8.10 min Scan# 668

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

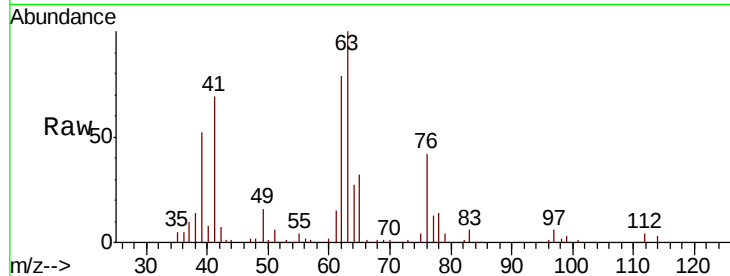
VD1026SBS01

Tgt Ion: 63 Resp: 310857

Ion Ratio Lower Upper

63 100

65 31.6 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.10

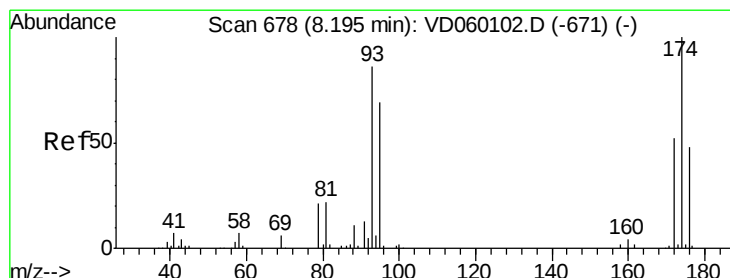
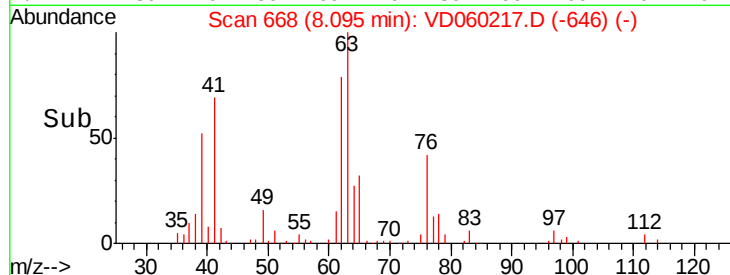
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 23.024 ug/l

RT: 8.21 min Scan# 680

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

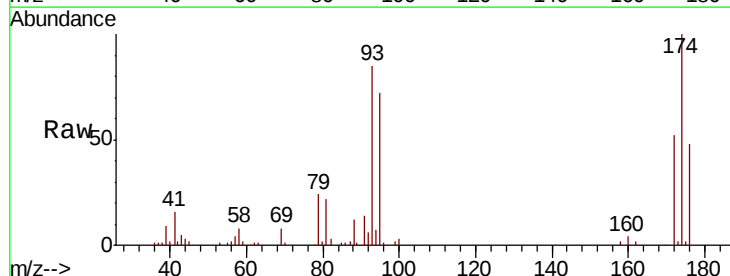
Tgt Ion: 93 Resp: 197944

Ion Ratio Lower Upper

93 100

95 84.4 63.8 95.6

174 117.2 92.9 139.3



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

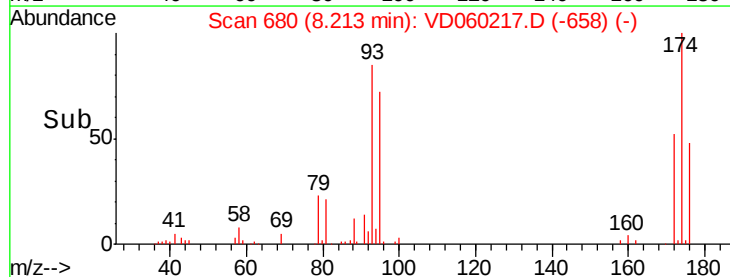
8.21

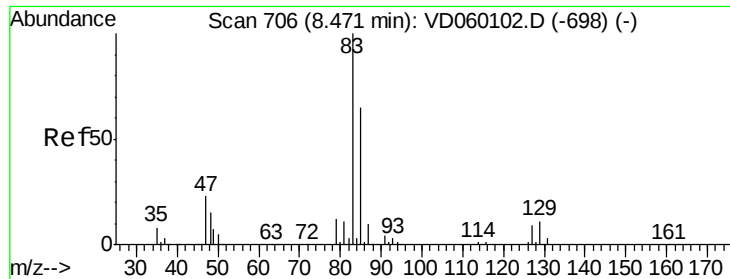
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 23.772 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBSD01

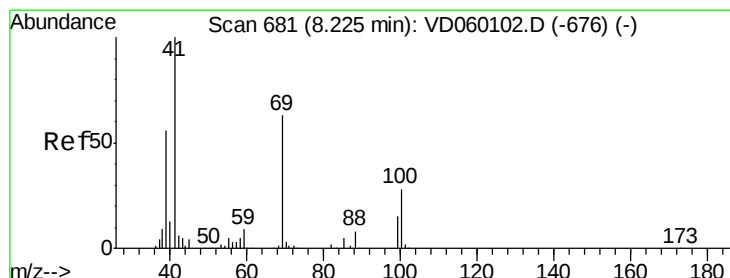
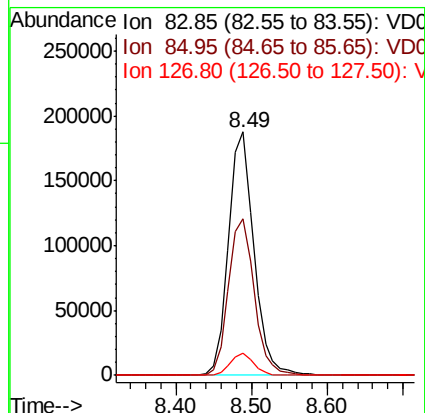
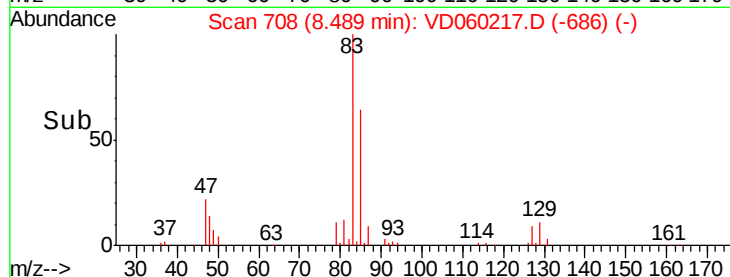
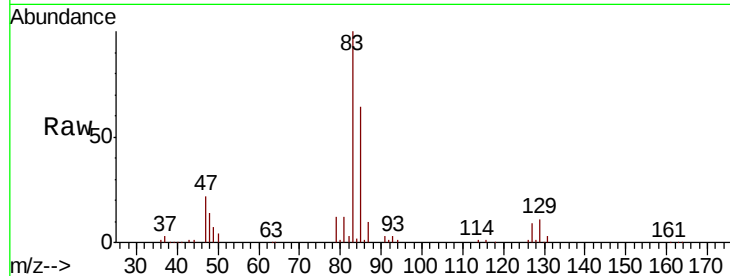
Tgt Ion: 83 Resp: 435478

Ion Ratio Lower Upper

83 100

85 64.1 52.2 78.2

127 9.0 7.4 11.0



#48

Methyl methacrylate

Concen: 23.451 ug/l

RT: 8.24 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

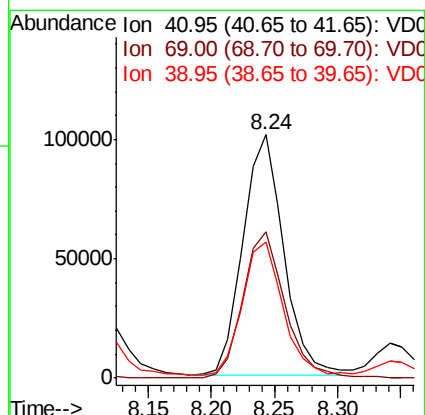
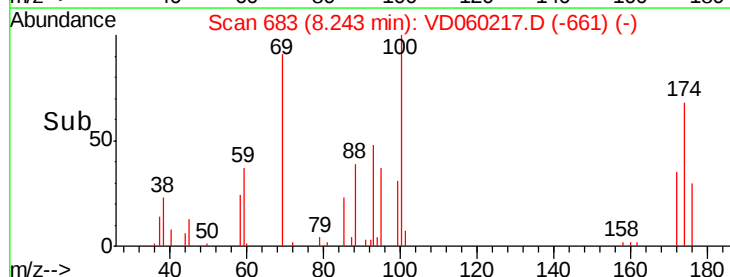
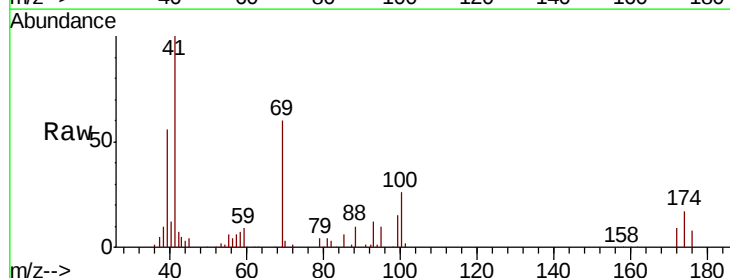
Tgt Ion: 41 Resp: 226132

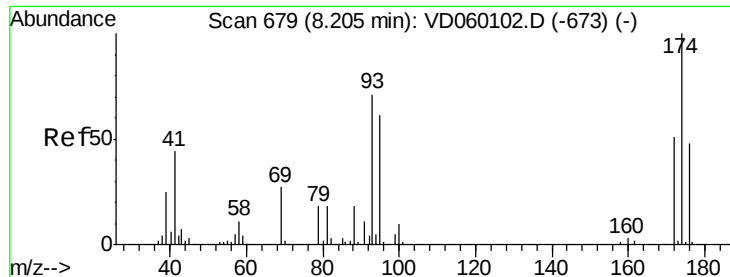
Ion Ratio Lower Upper

41 100

69 60.1 49.7 74.5

39 55.7 45.2 67.8

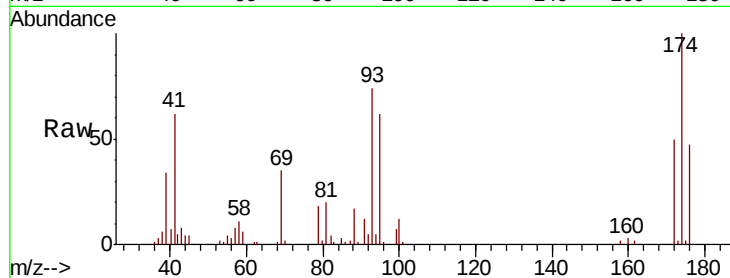




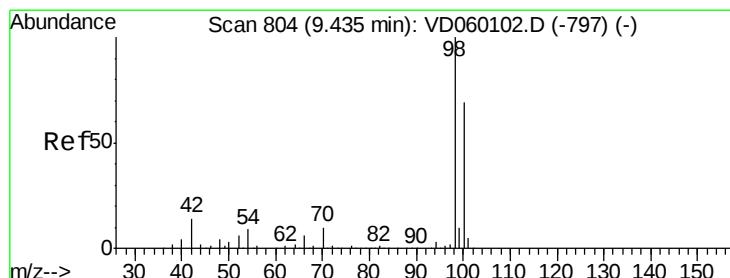
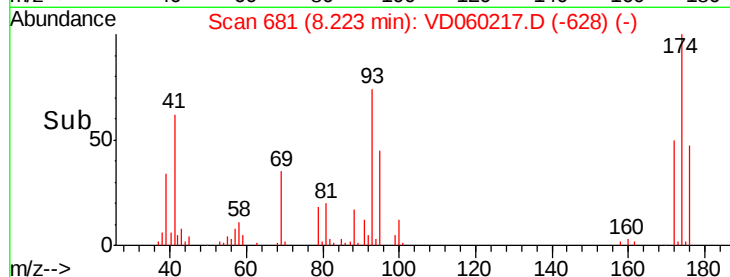
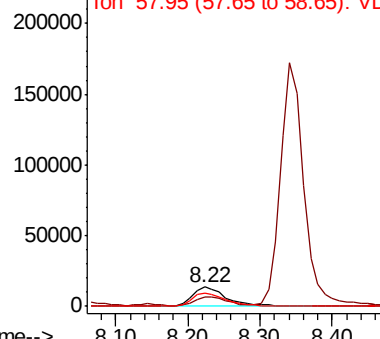
#49
 1,4-Dioxane
 Concen: 465.956 ug/l
 RT: 8.22 min Scan# 681
 Delta R.T. 0.02 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tgt Ion: 88 Resp: 44208
 Ion Ratio Lower Upper
 88 100
 43 49.7 33.7 50.5
 58 66.5 49.1 73.7

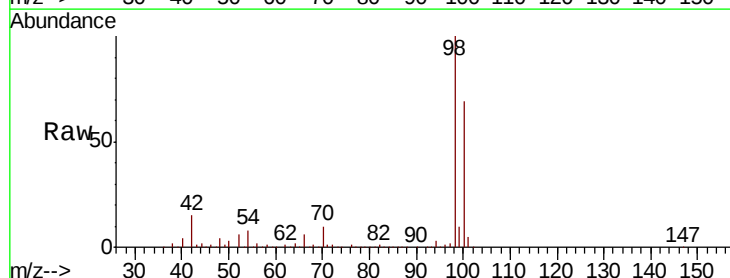


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

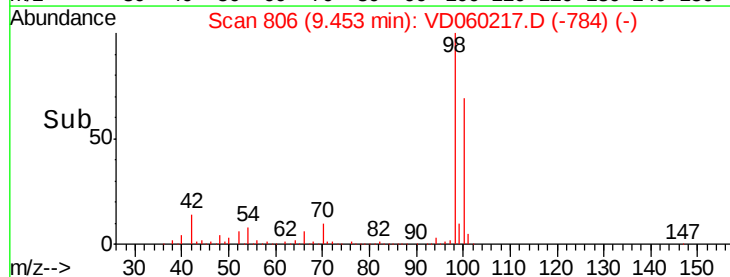
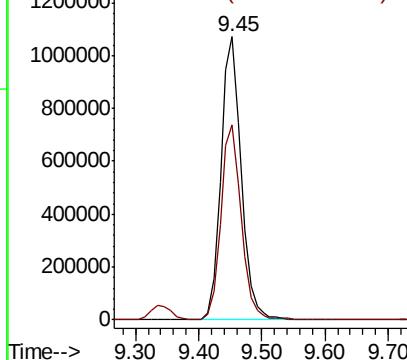


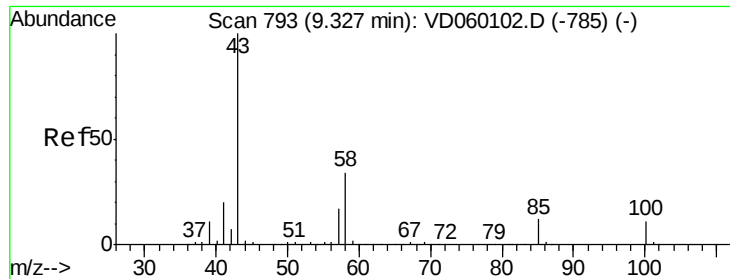
#50
 Toluene-d8
 Concen: 465.956 ug/l
 RT: 9.45 min Scan# 806
 Delta R.T. 0.02 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

Tgt Ion: 98 Resp: 2400838
 Ion Ratio Lower Upper
 98 100
 100 69.1 55.4 83.0



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





#51

4-Methyl-2-Pentanone

Concen: 120.305 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

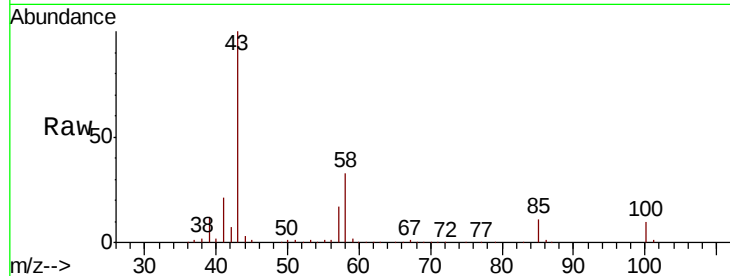
VD1026SBS01

Tgt Ion: 43 Resp: 1284522

Ion Ratio Lower Upper

43 100

58 32.7 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

600000

500000

400000

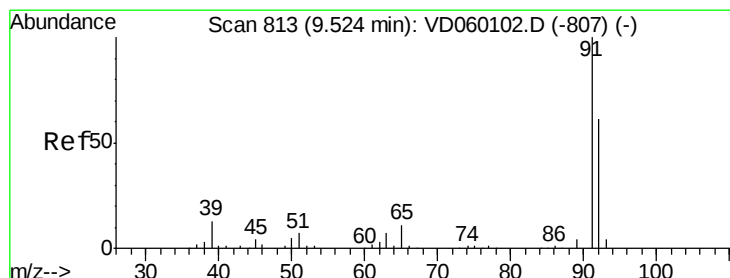
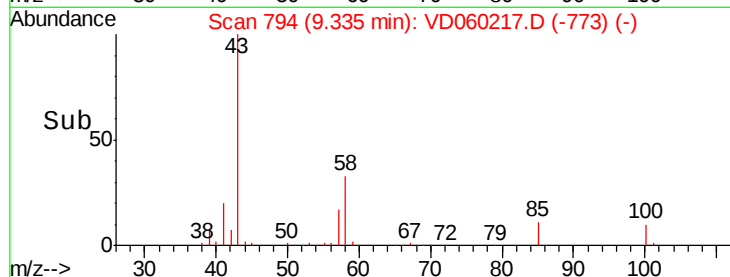
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 22.836 ug/l

RT: 9.54 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060217.D

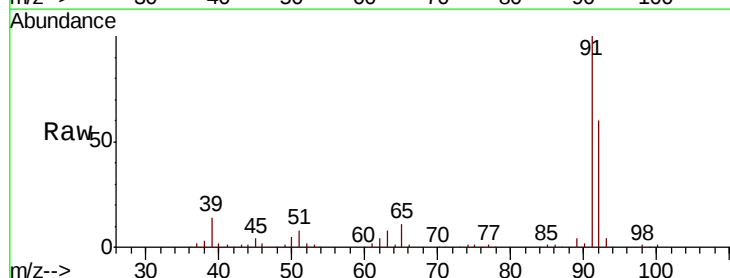
Acq: 26 Oct 2018 15:40

Tgt Ion: 92 Resp: 745864

Ion Ratio Lower Upper

92 100

91 166.0 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

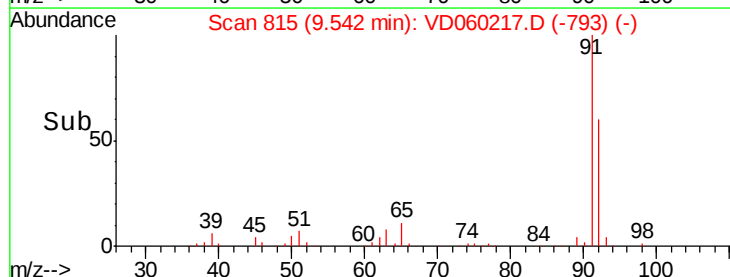
600000

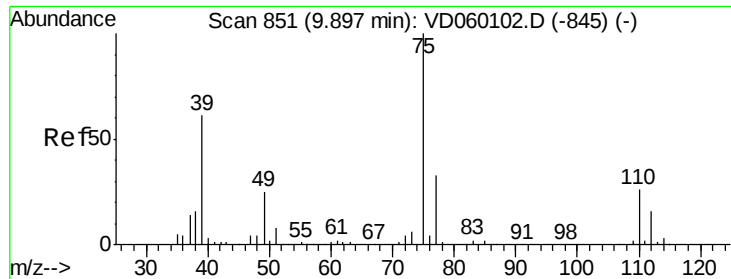
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 23.086 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

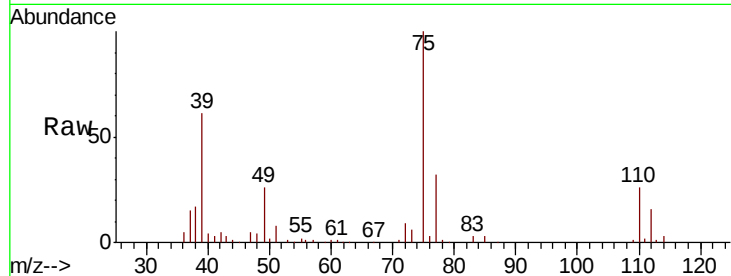
VD1026SBSD01

Tgt Ion: 75 Resp: 382663

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

200000

150000

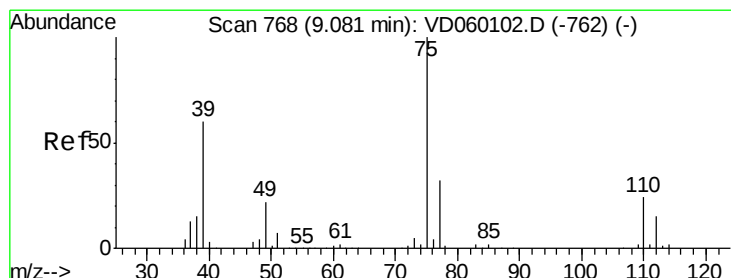
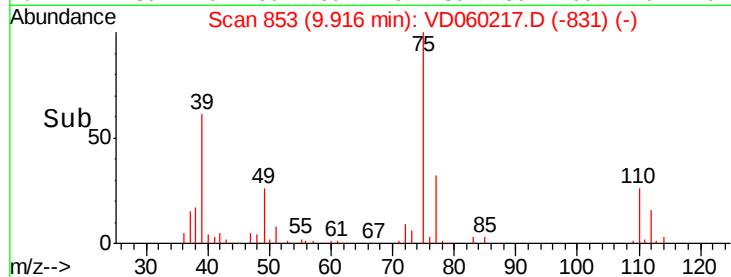
100000

50000

0

Time-->

9.80 9.90 10.00



#54

cis-1,3-Dichloropropene

Concen: 23.501 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

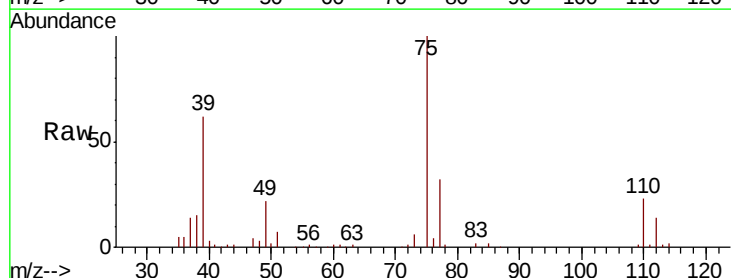
Tgt Ion: 75 Resp: 481026

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5

39 62.2 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.10

300000

250000

200000

150000

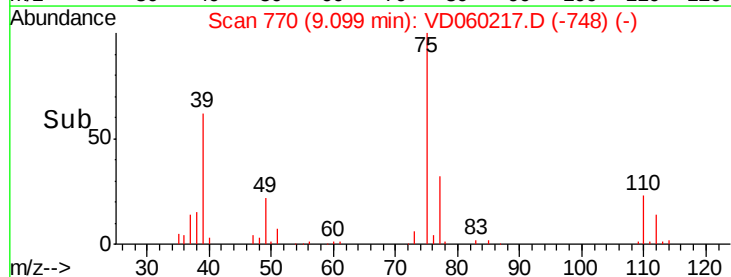
100000

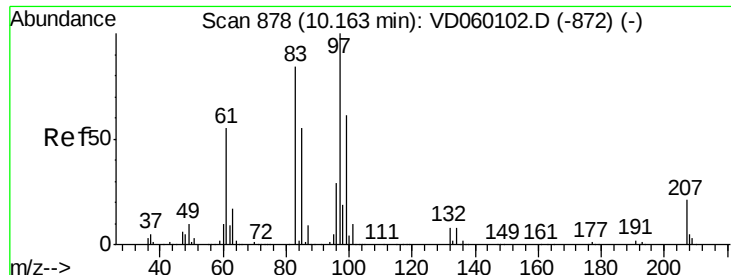
50000

0

Time-->

9.00 9.10 9.20

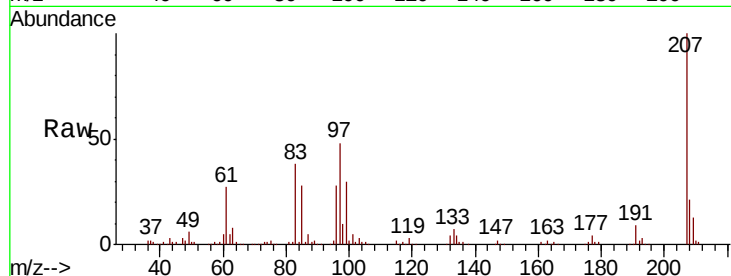




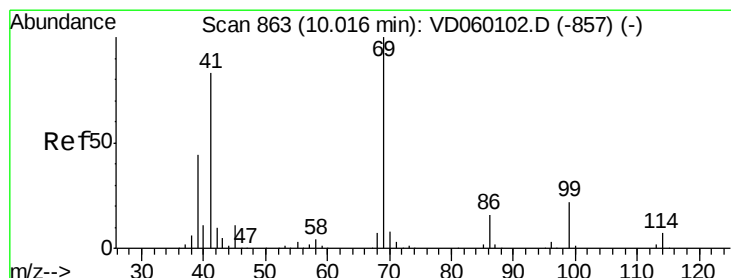
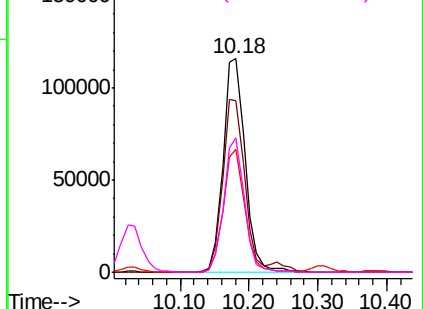
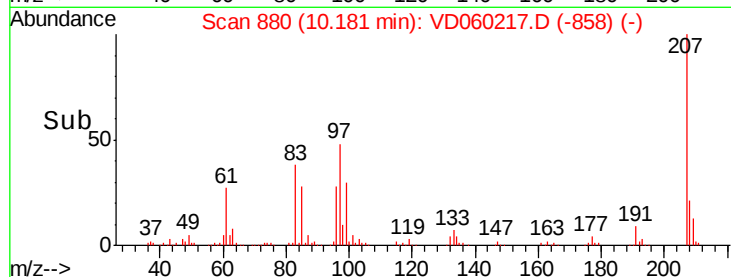
#55
 1,1,2-Trichloroethane
 Concen: 23.980 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tgt Ion:	97	Resp:	256055
Ion	Ratio	Lower	Upper
97	100		
83	80.3	67.0	100.6
85	57.8	43.9	65.9
99	63.0	49.1	73.7

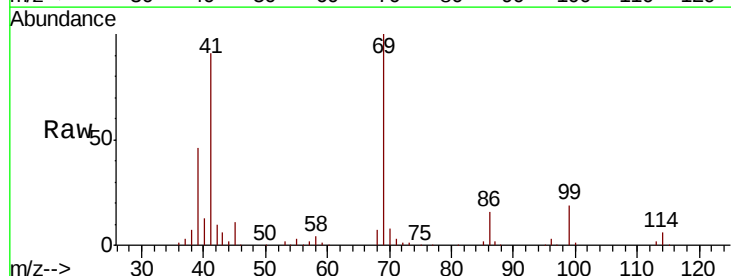


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

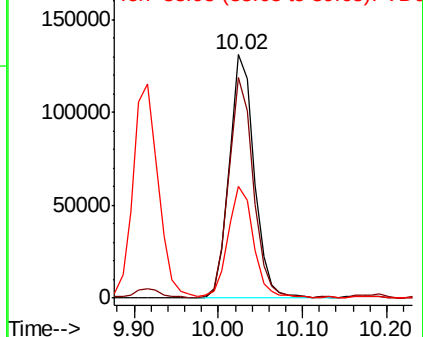
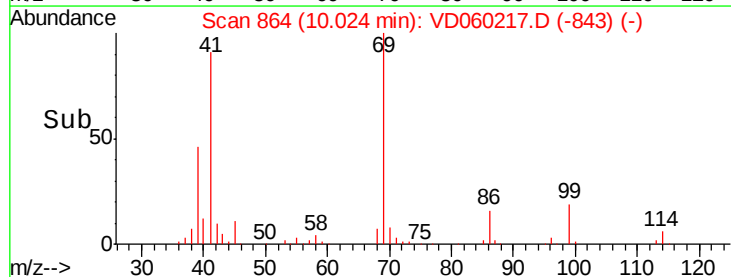


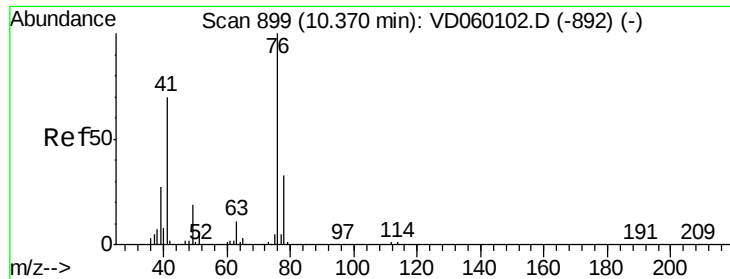
#56
 Ethyl methacrylate
 Concen: 23.057 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

Tgt Ion:	69	Resp:	271767
Ion	Ratio	Lower	Upper
69	100		
41	90.6	66.6	100.0
39	45.9	36.0	54.0



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

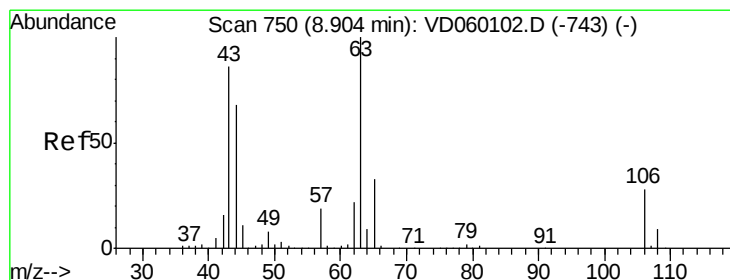
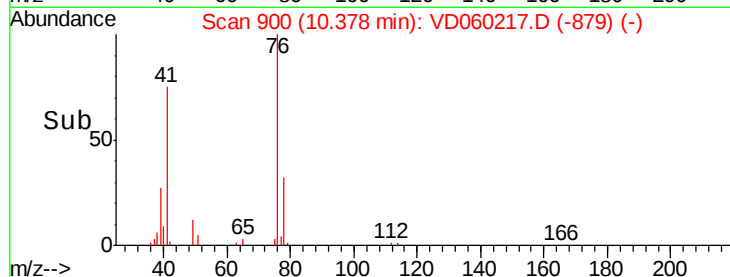
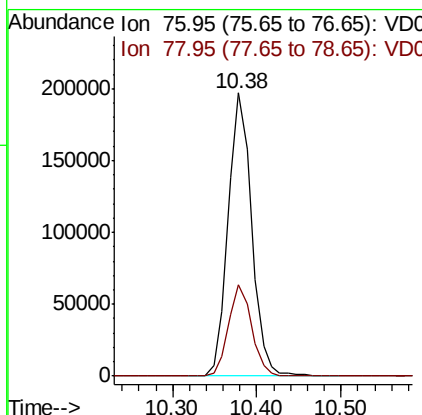
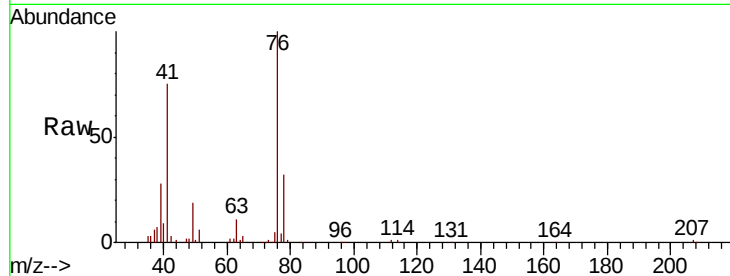




#57
 1,3-Dichloropropane
 Concen: 23.459 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

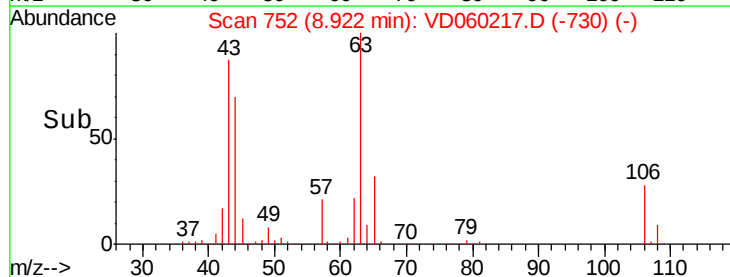
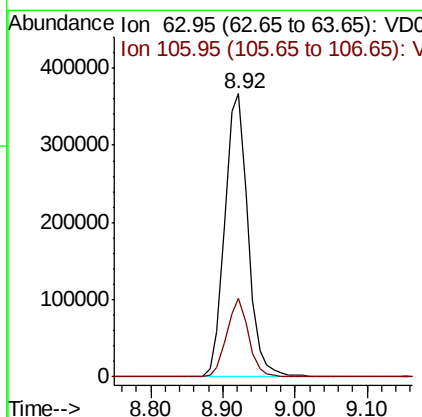
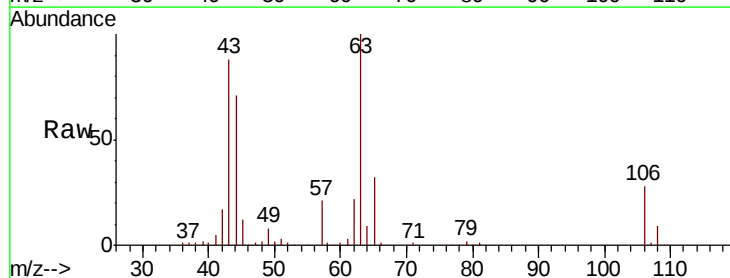
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBSD01

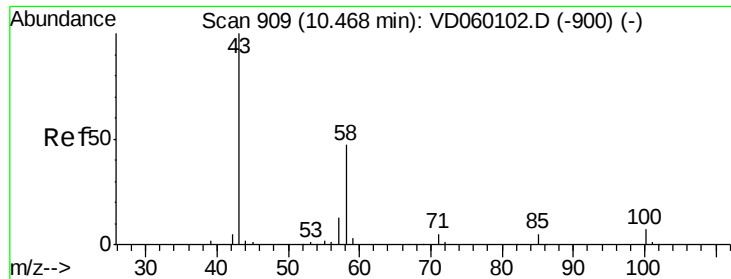
Tgt Ion: 76 Resp: 382032
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 124.836 ug/l
 RT: 8.92 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

Tgt Ion: 63 Resp: 817088
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.6 34.0

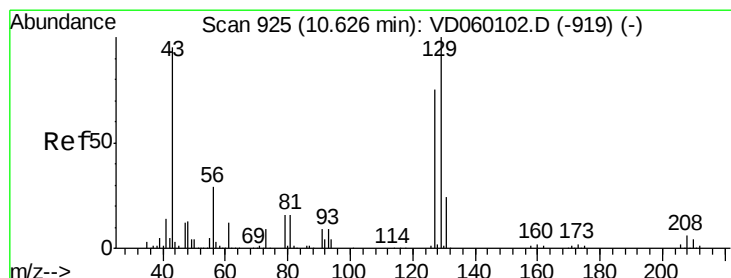
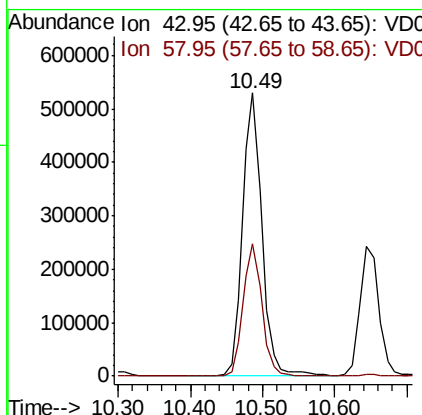
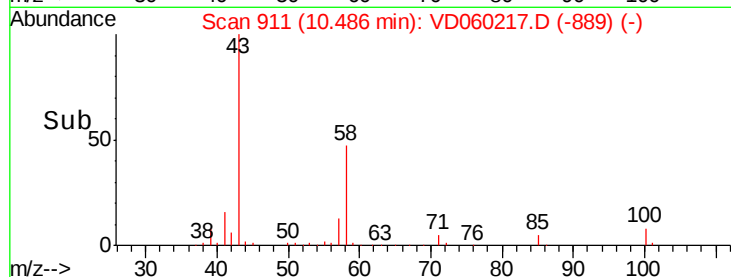
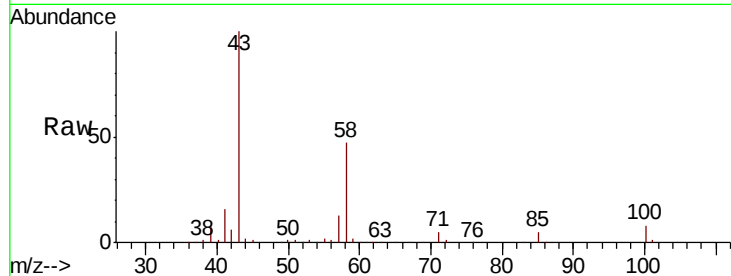




#59
2-Hexanone
Concen: 129.743 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

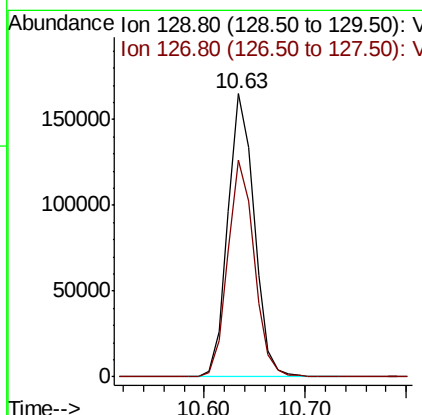
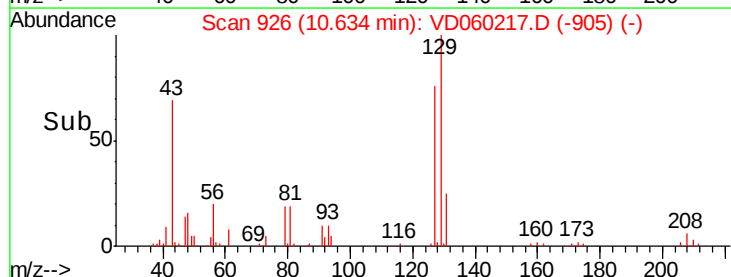
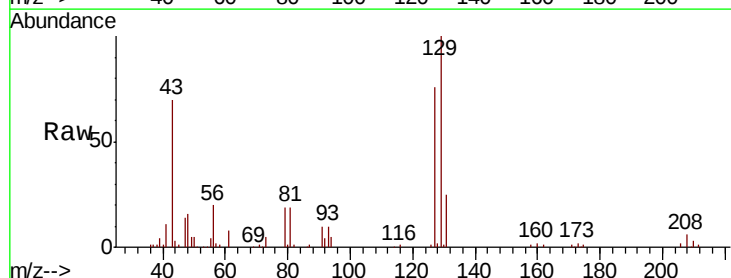
Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

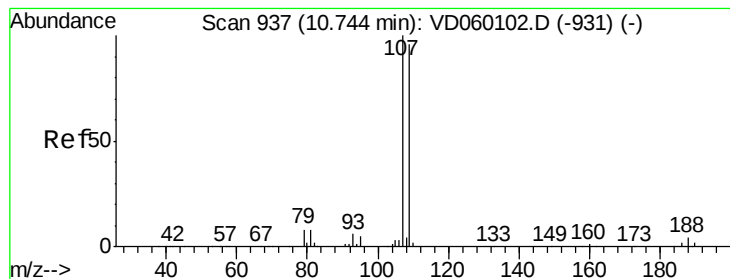
Tgt Ion: 43 Resp: 996135
Ion Ratio Lower Upper
43 100
58 46.7 23.3 69.9



#60
Dibromochloromethane
Concen: 22.865 ug/l
RT: 10.63 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion: 129 Resp: 299557
Ion Ratio Lower Upper
129 100
127 76.4 37.4 112.2





#61

1,2-Dibromoethane

Concen: 22.450 ug/l

RT: 10.75 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

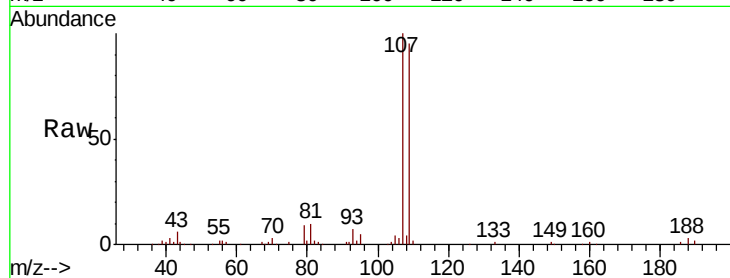
VD1026SBSD01

Tgt Ion: 107 Resp: 254707

Ion Ratio Lower Upper

107 100

109 95.2 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

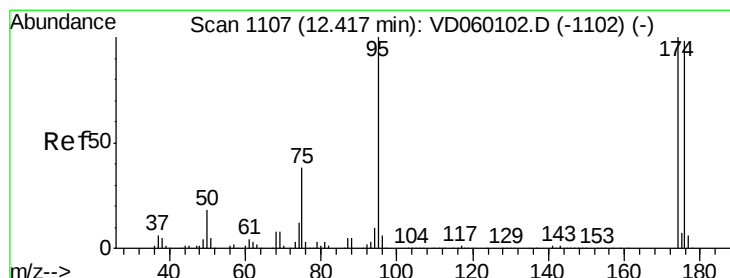
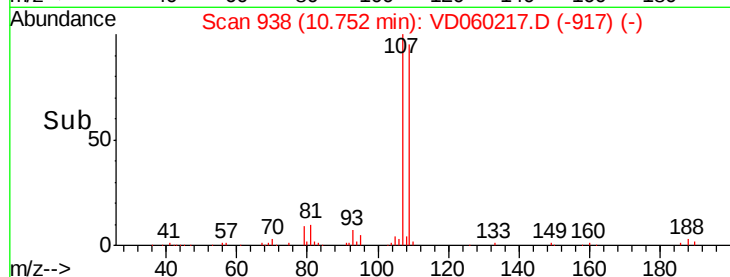
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 22.450 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

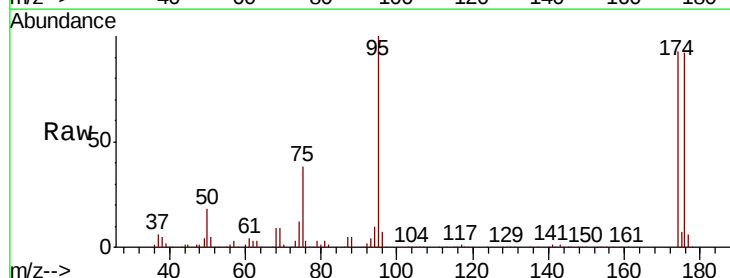
Tgt Ion: 95 Resp: 928748

Ion Ratio Lower Upper

95 100

174 93.4 0.0 200.2

176 92.1 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.43

800000

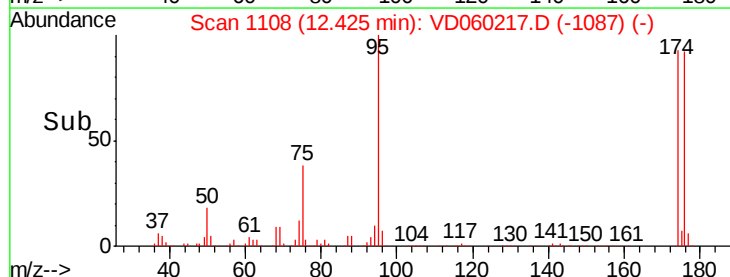
600000

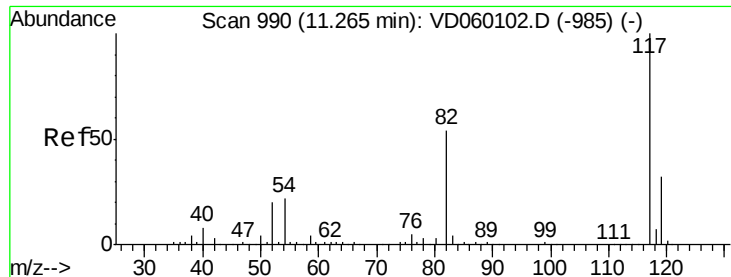
400000

200000

0

Time-->

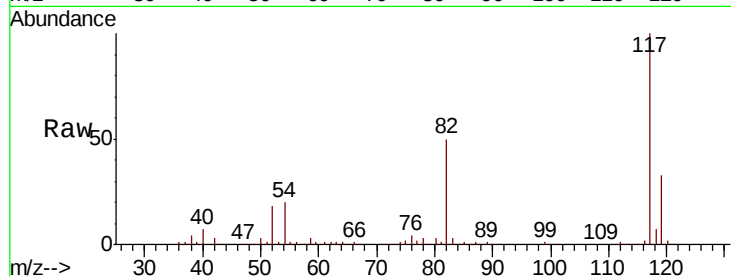




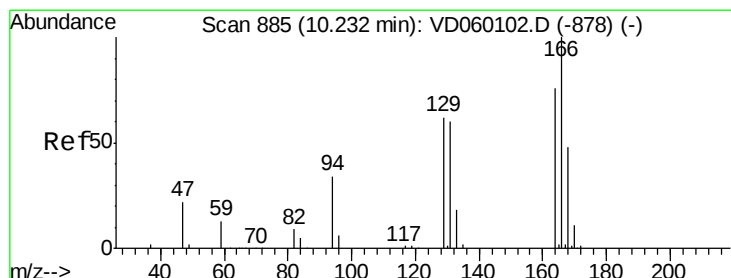
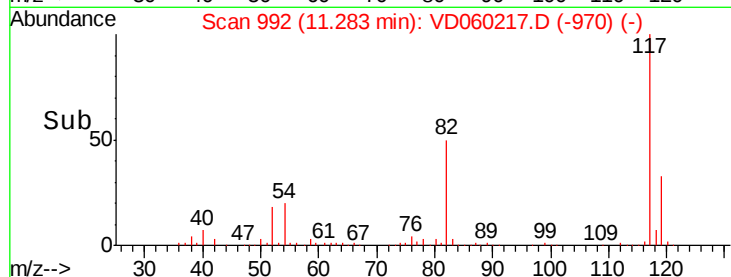
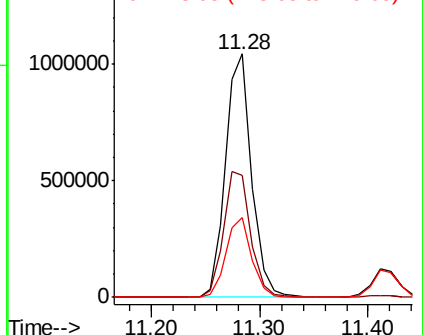
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

Tgt Ion:117 Resp: 1742025
Ion Ratio Lower Upper
117 100
82 50.0 43.4 65.2
119 32.6 26.0 39.0

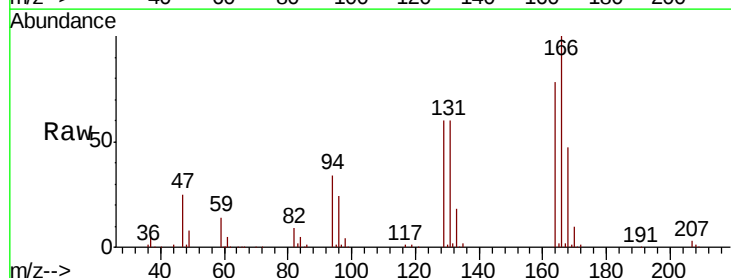


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

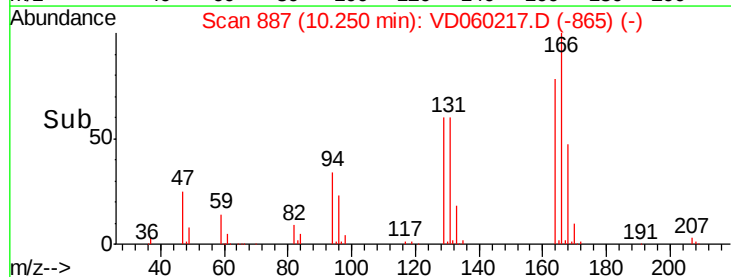
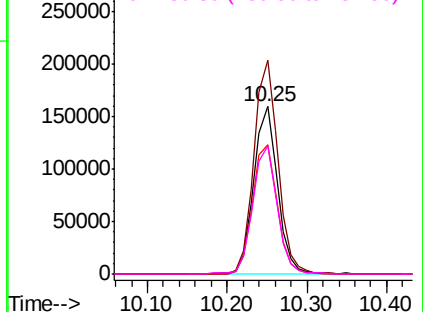


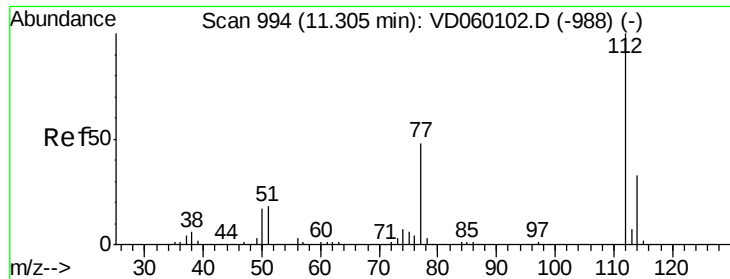
#64
Tetrachloroethene
Concen: 21.348 ug/l
RT: 10.25 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion:164 Resp: 325725
Ion Ratio Lower Upper
164 100
166 127.4 105.4 158.0
129 76.8 65.7 98.5
131 76.0 62.9 94.3



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

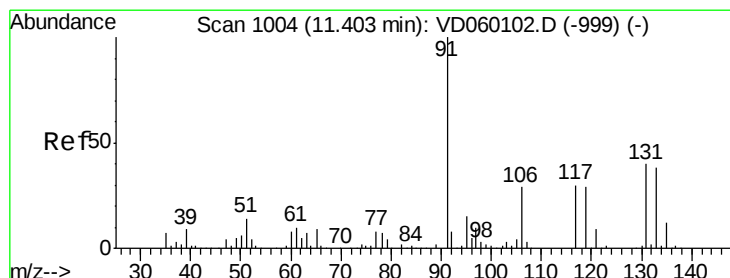
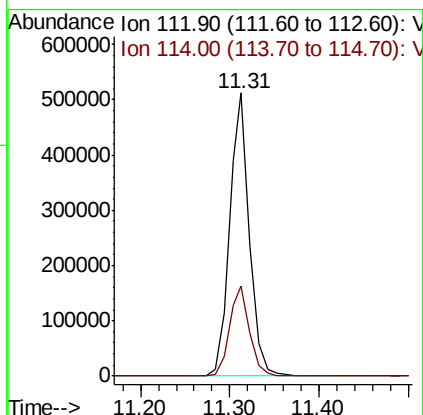
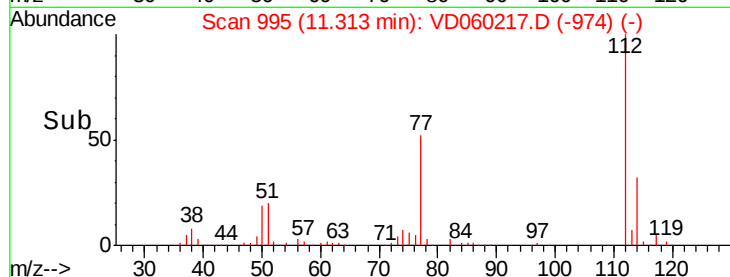
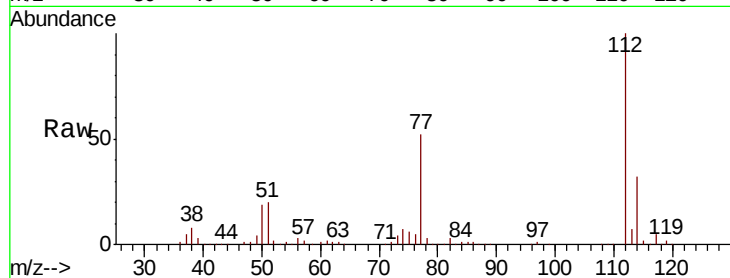




#65
Chlorobenzene
Concen: 21.104 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.01 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

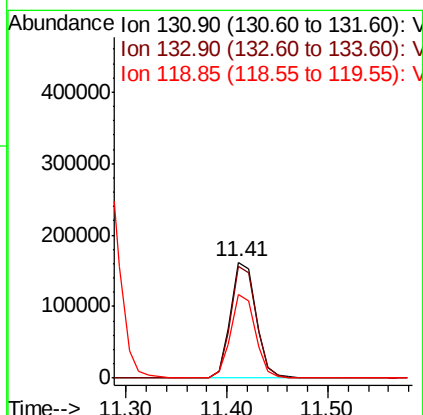
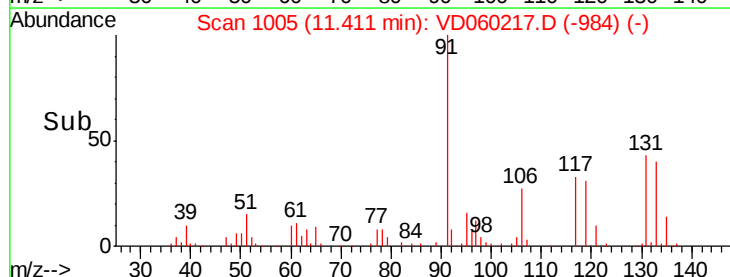
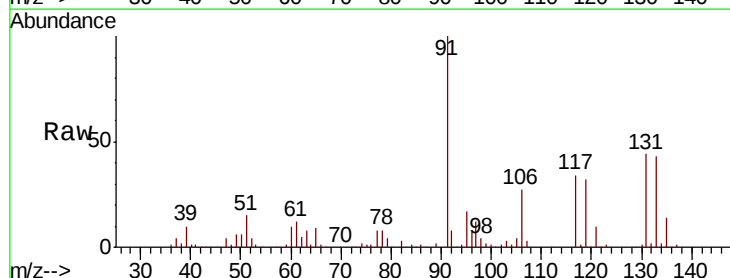
Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

Tgt Ion:112 Resp: 795350
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.625 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion:131 Resp: 284446
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.3
119 71.9 36.1 108.3

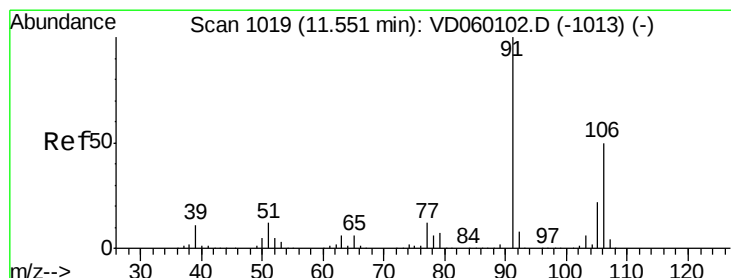
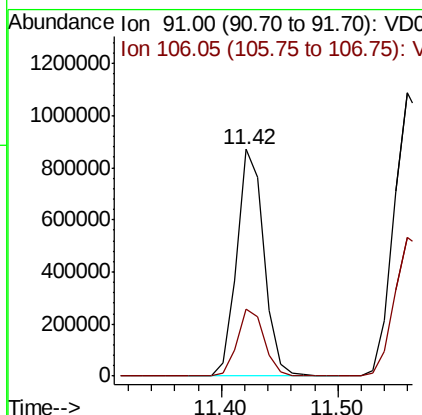
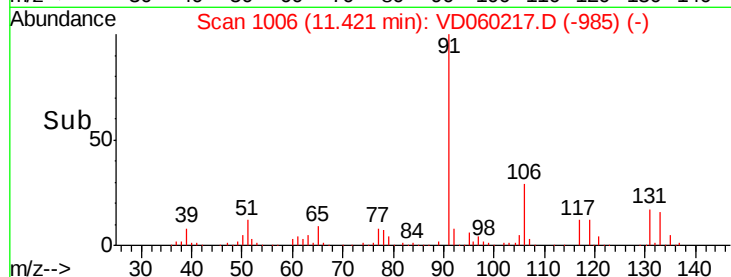
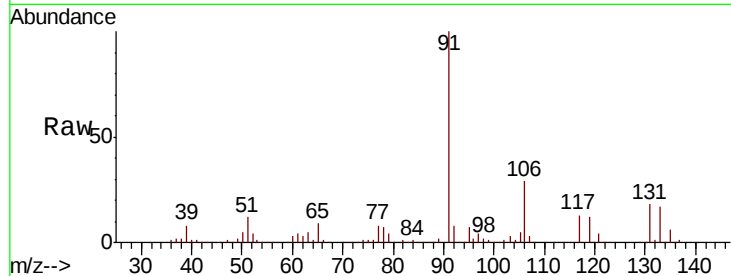




#67
Ethyl Benzene
Concen: 23.028 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

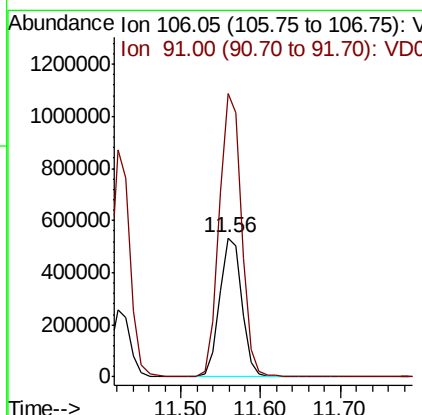
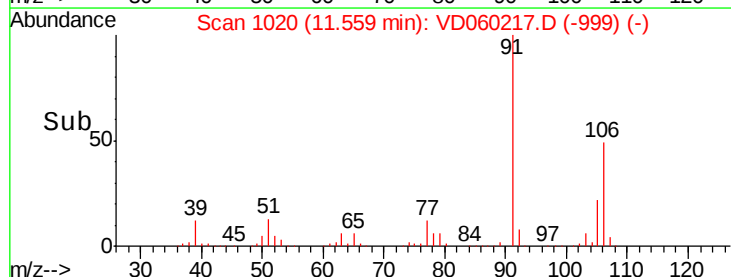
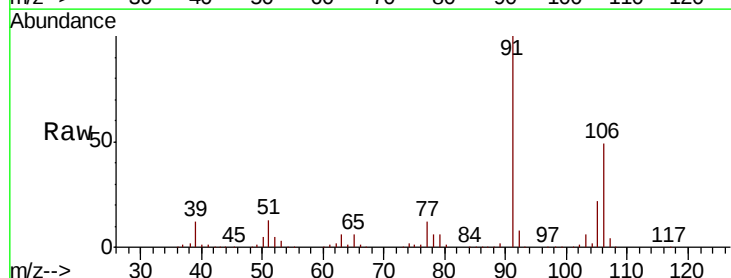
Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tgt Ion: 91 Resp: 1406050
Ion Ratio Lower Upper
91 100
106 29.4 24.4 36.6



#68
m/p-Xylenes
Concen: 46.088 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion: 106 Resp: 1051443
Ion Ratio Lower Upper
106 100
91 204.0 160.0 240.0

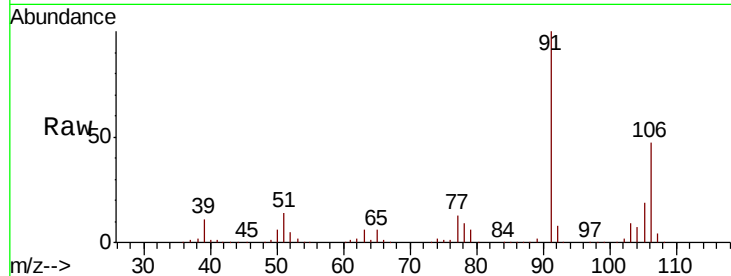




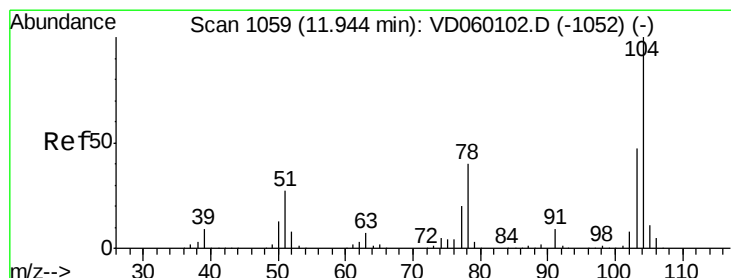
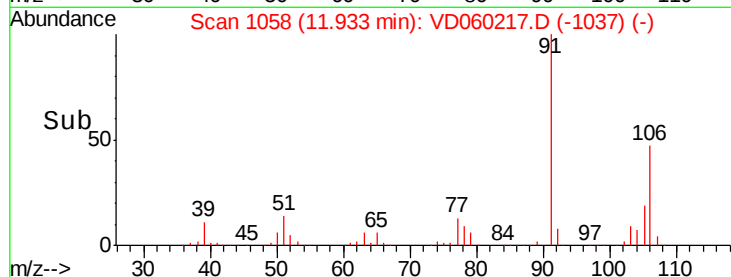
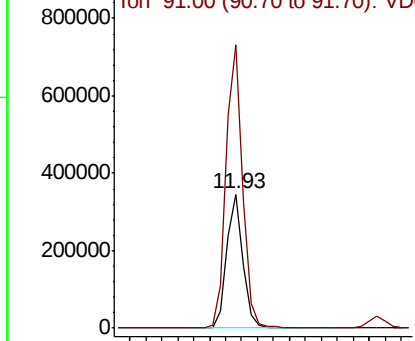
#69
o-Xylene
Concen: 22.122 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

Tgt Ion:106 Resp: 499197
Ion Ratio Lower Upper
106 100
91 211.5 102.5 307.5

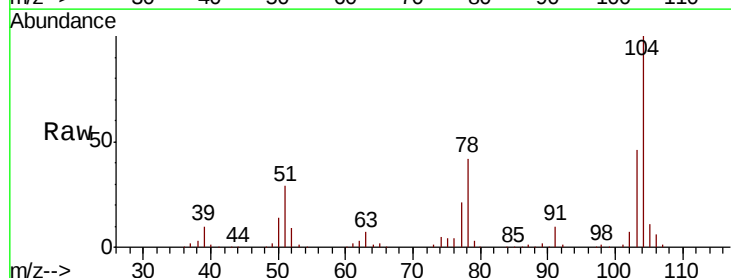


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

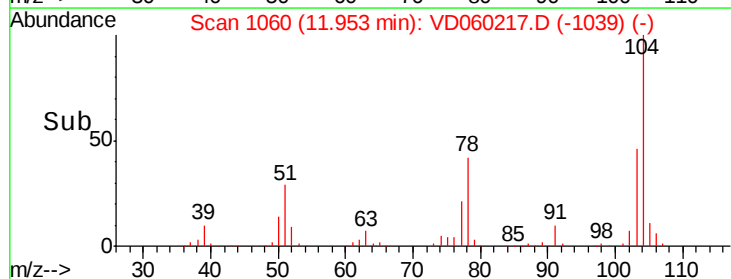
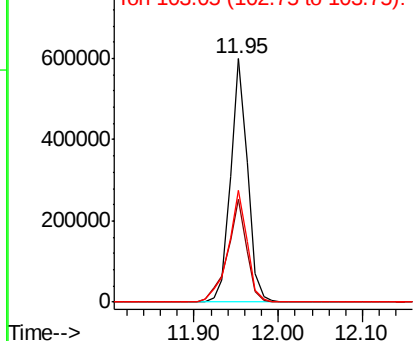


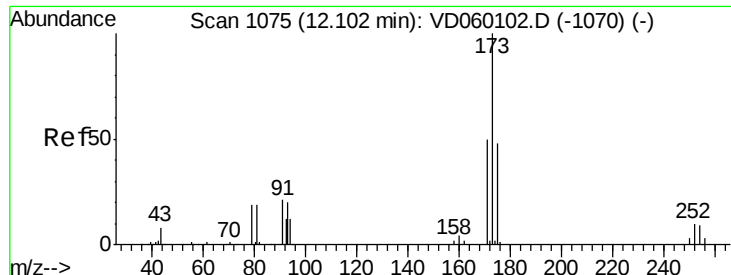
#70
Styrene
Concen: 22.150 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion:104 Resp: 835883
Ion Ratio Lower Upper
104 100
78 42.0 32.2 48.4
103 45.9 37.4 56.0



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





#71

Bromoform

Concen: 21.599 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBSD01

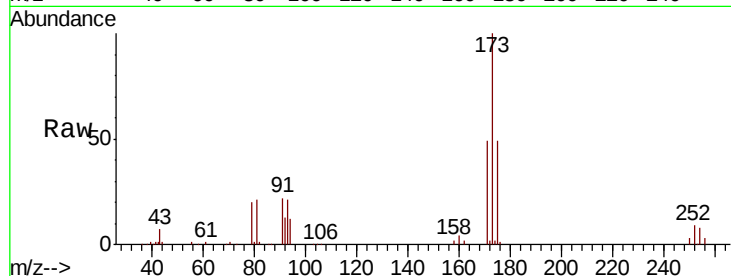
Tgt Ion:173 Resp: 219882

Ion Ratio Lower Upper

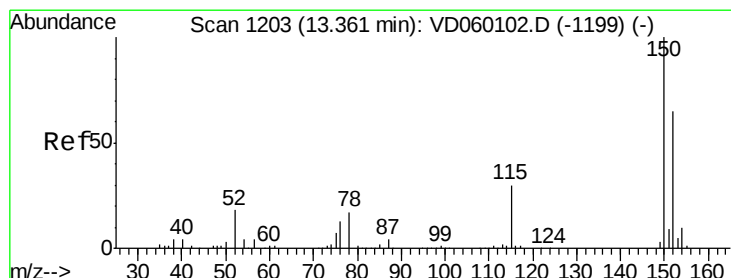
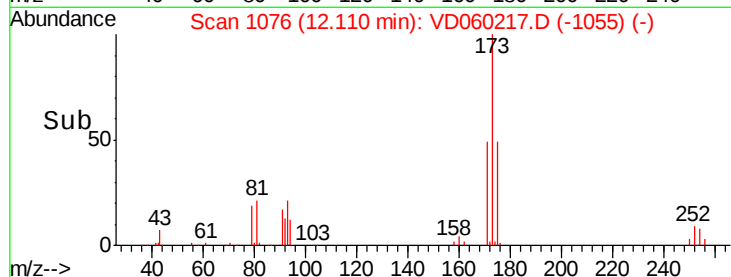
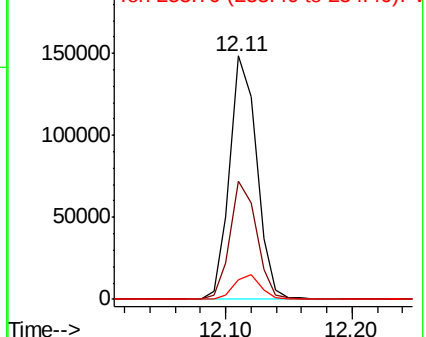
173 100

175 48.5 24.1 72.4

254 8.3 7.4 11.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

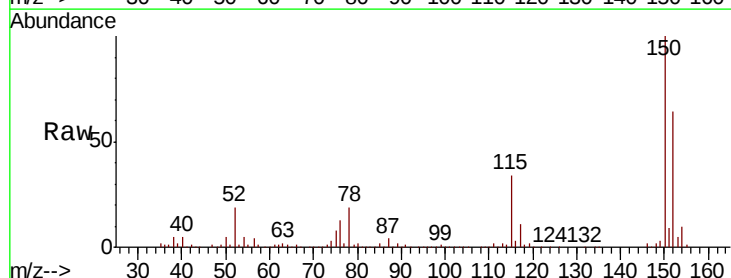
Tgt Ion:152 Resp: 926354

Ion Ratio Lower Upper

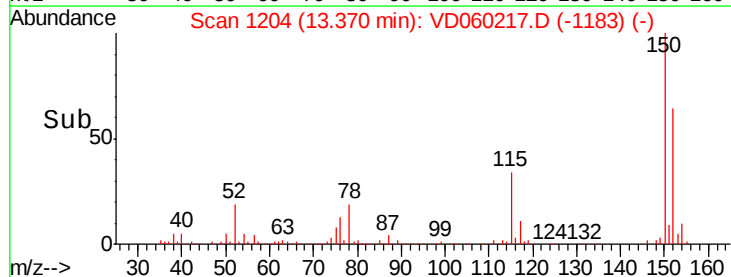
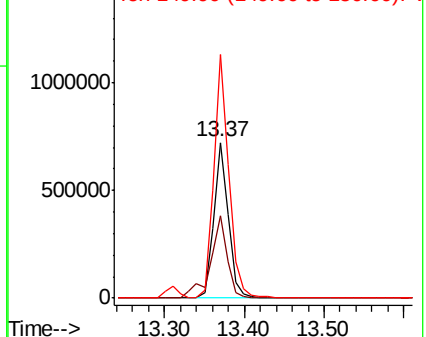
152 100

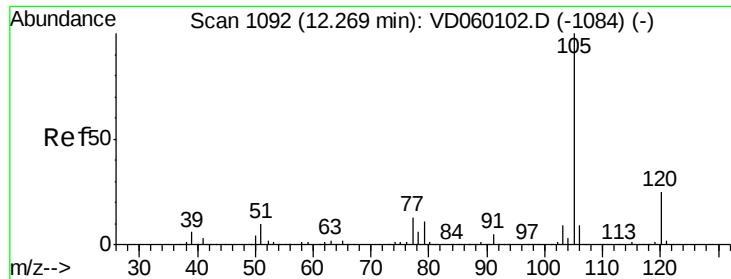
115 53.2 27.1 81.2

150 156.5 0.0 311.8



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





#73

Isopropylbenzene

Concen: 22.475 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

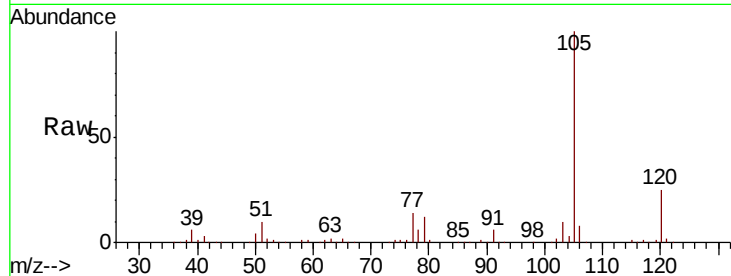
VD1026SBSD01

Tgt Ion:105 Resp: 1373499

Ion Ratio Lower Upper

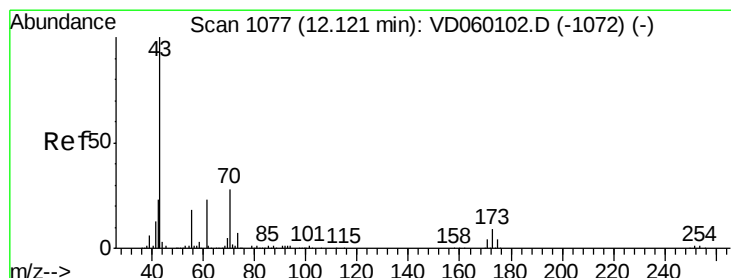
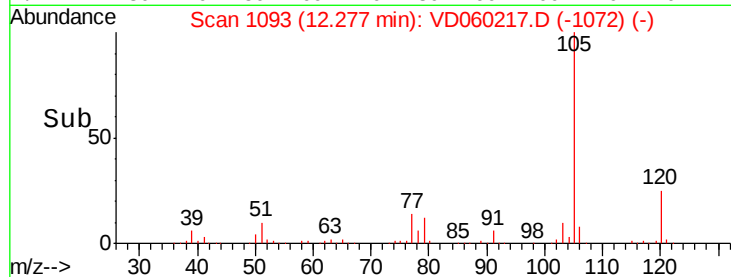
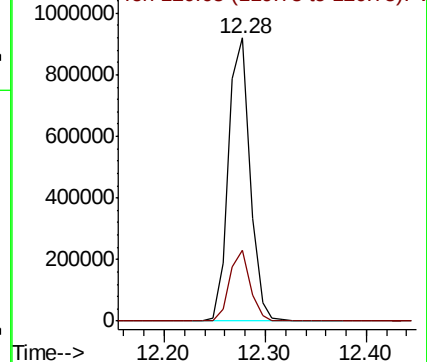
105 100

120 24.8 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.039 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Tgt Ion: 43 Resp: 493355

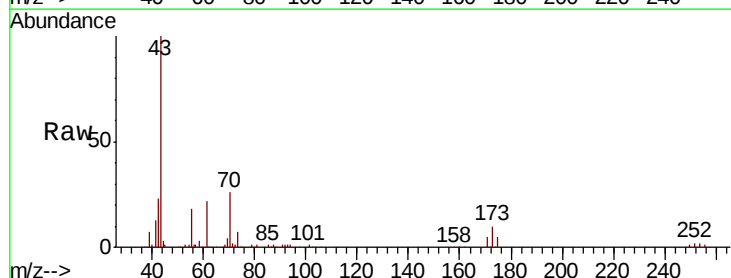
Ion Ratio Lower Upper

43 100

70 25.9 22.1 33.1

55 17.8 14.1 21.1

61 21.9 18.4 27.6

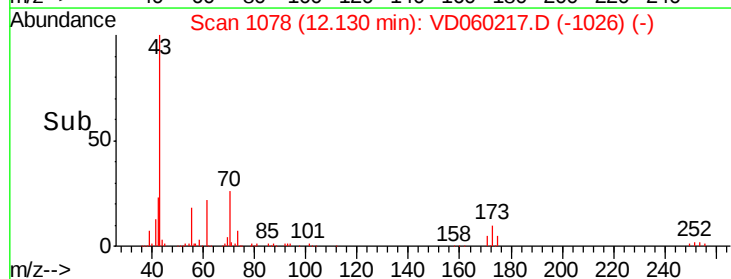
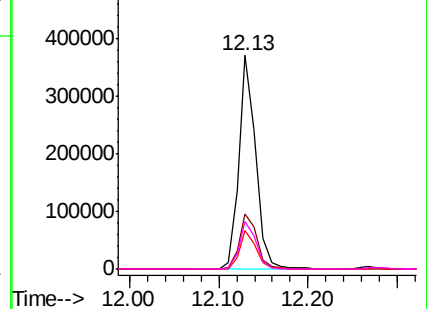


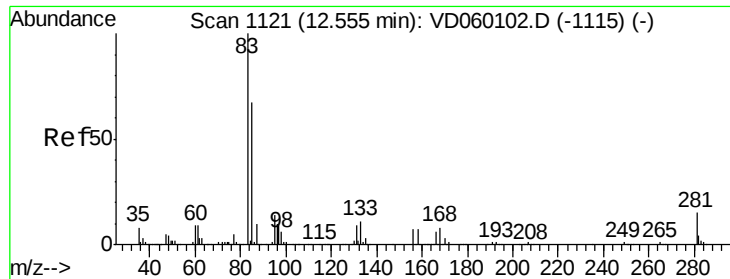
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.640 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

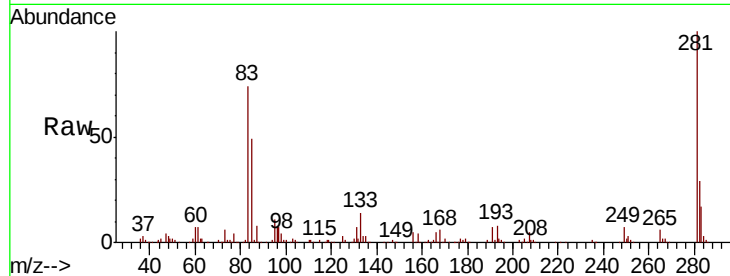
Tgt Ion: 83 Resp: 288715

Ion Ratio Lower Upper

83 100

131 9.4 4.5 13.4

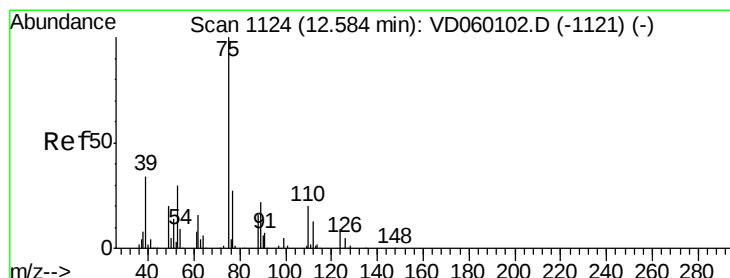
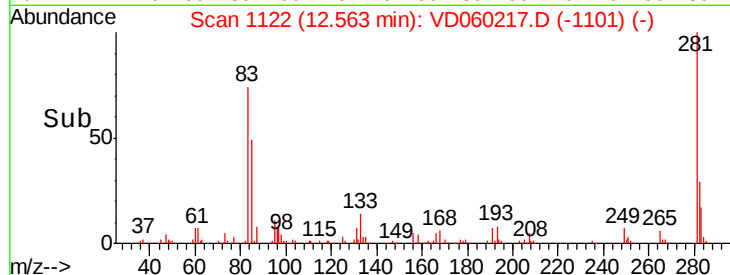
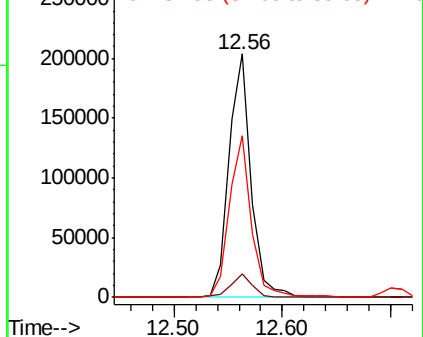
85 66.3 33.3 99.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.007 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060217.D

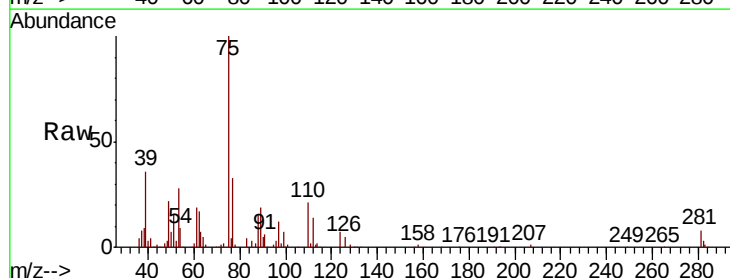
Acq: 26 Oct 2018 15:40

Tgt Ion: 75 Resp: 293592

Ion Ratio Lower Upper

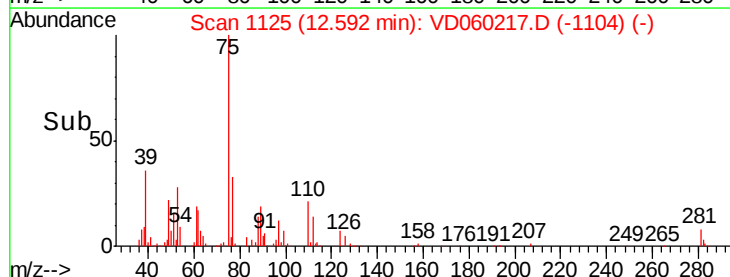
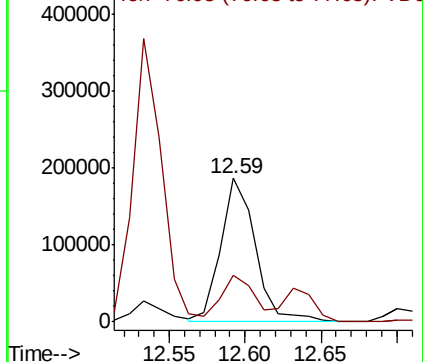
75 100

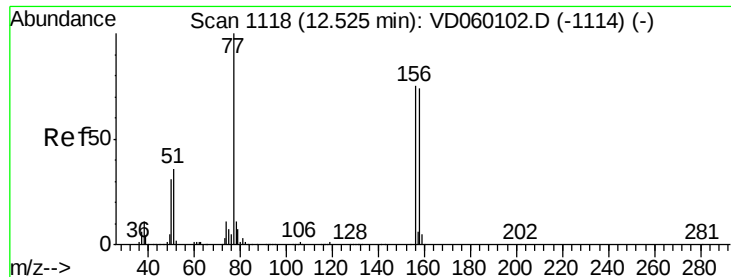
77 32.6 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.621 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBSD01

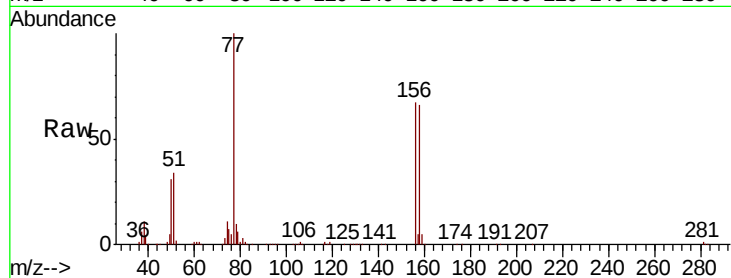
Tgt Ion: 156 Resp: 383977

Ion Ratio Lower Upper

156 100

77 149.2 66.9 200.7

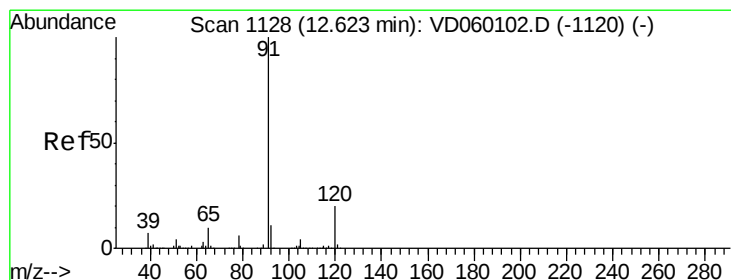
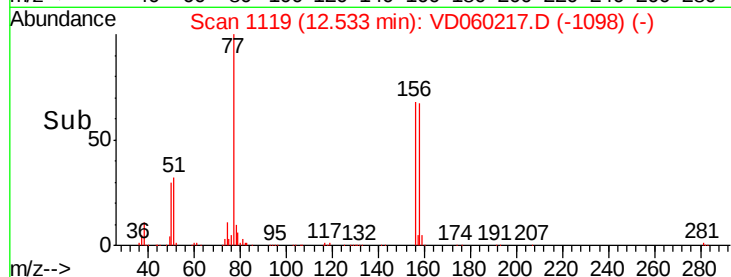
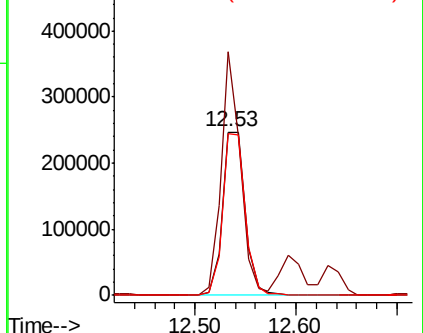
158 98.8 49.1 147.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.129 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060217.D

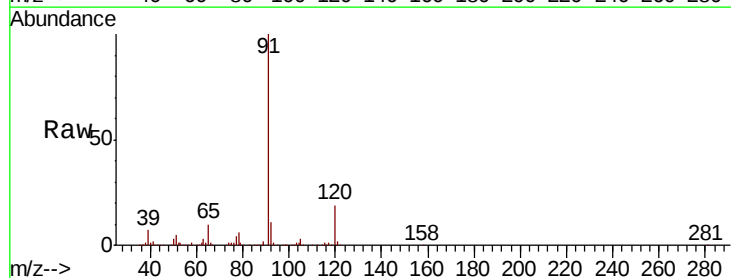
Acq: 26 Oct 2018 15:40

Tgt Ion: 91 Resp: 1755101

Ion Ratio Lower Upper

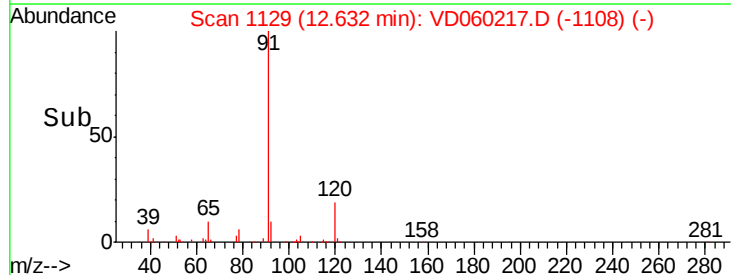
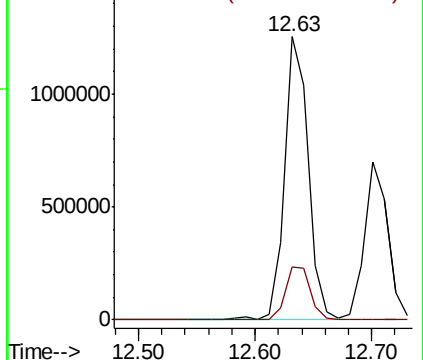
91 100

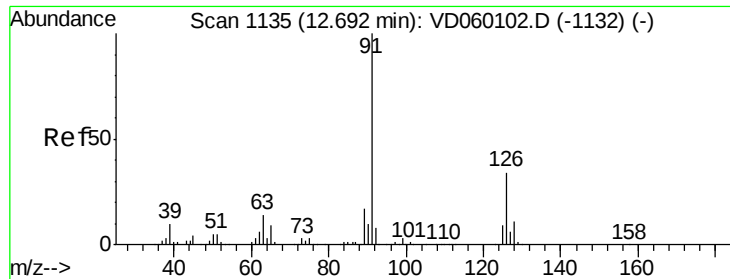
120 18.9 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

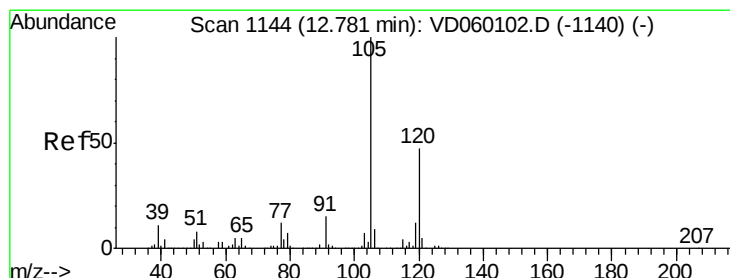
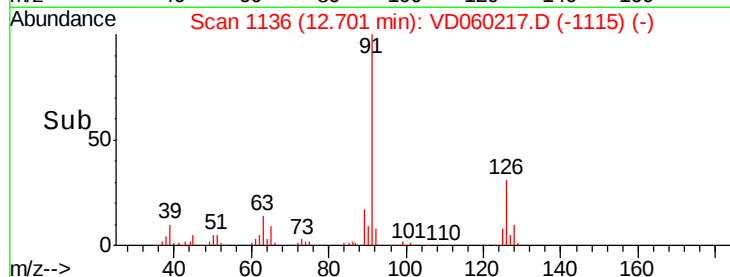
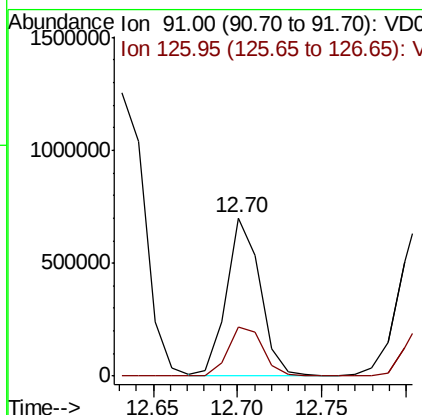
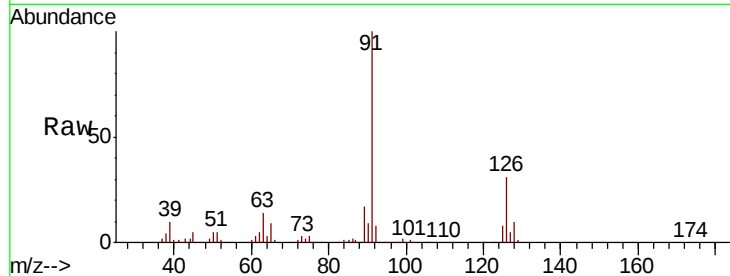




#79
 2-Chlorotoluene
 Concen: 22.757 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

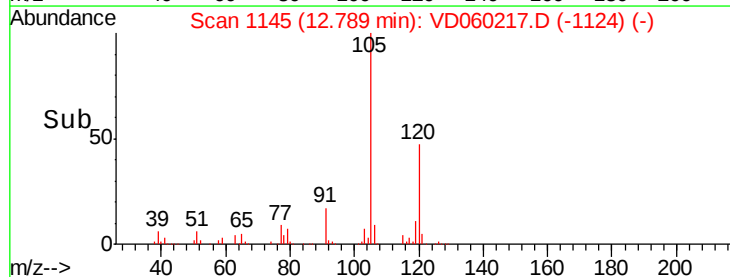
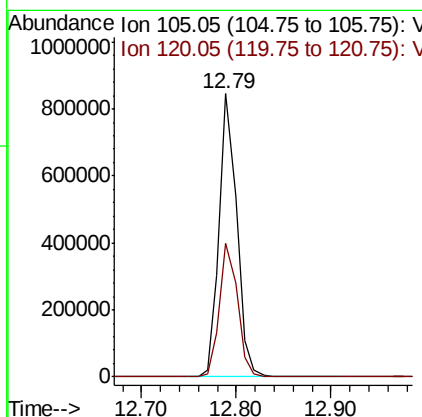
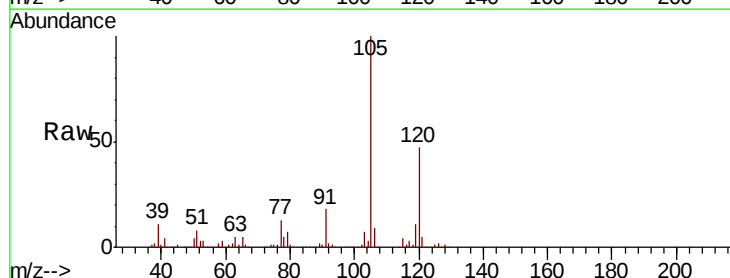
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBSD01

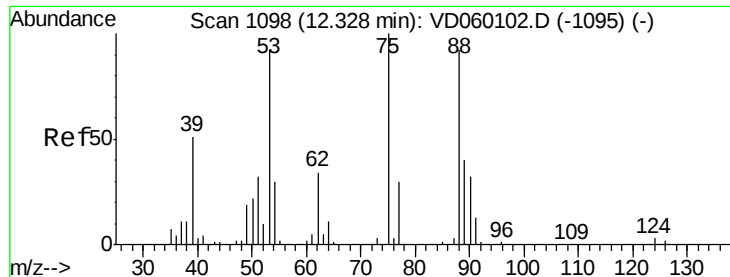
Tgt Ion: 91 Resp: 958442
 Ion Ratio Lower Upper
 91 100
 126 31.0 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 23.090 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

Tgt Ion: 105 Resp: 1092124
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 21.252 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060217.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

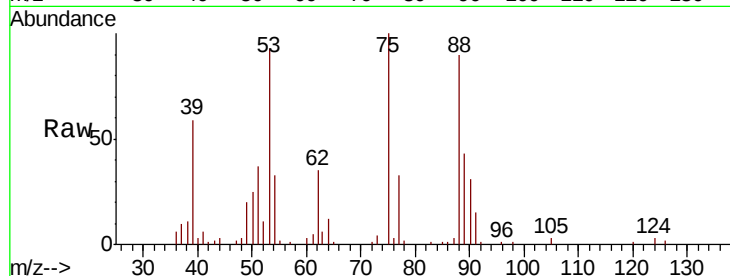
Tgt Ion: 75 Resp: 79664

Ion Ratio Lower Upper

75 100

53 93.5 73.0 109.6

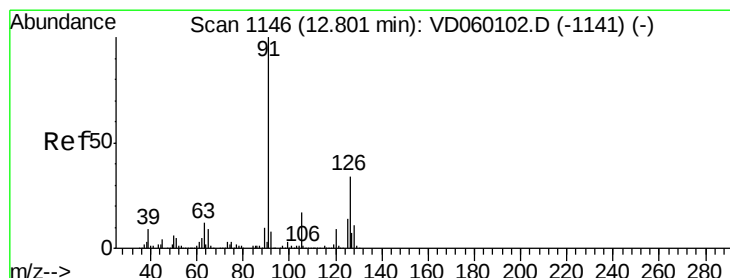
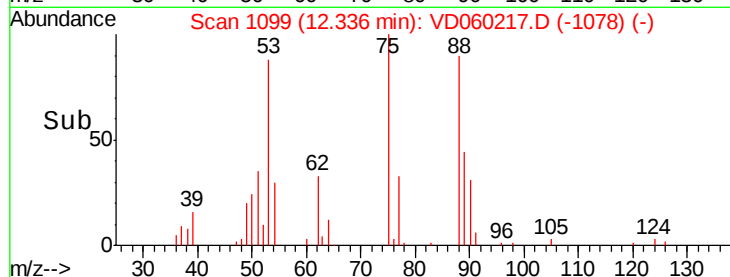
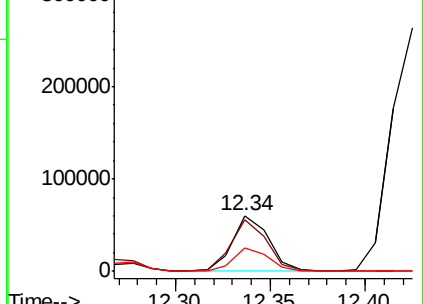
89 43.2 32.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 23.014 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060217.D

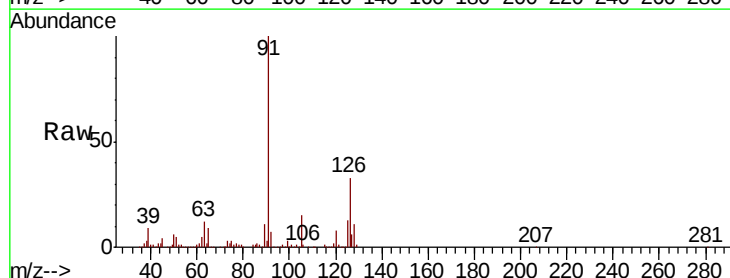
Acq: 26 Oct 2018 15:40

Tgt Ion: 91 Resp: 1096314

Ion Ratio Lower Upper

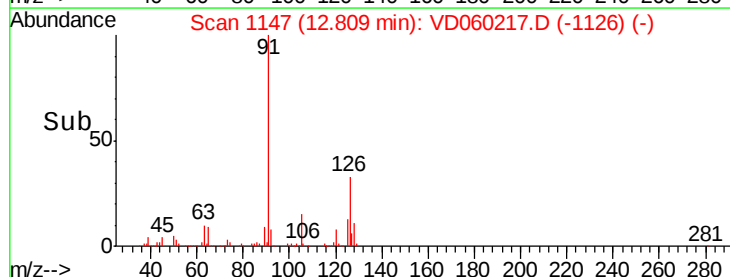
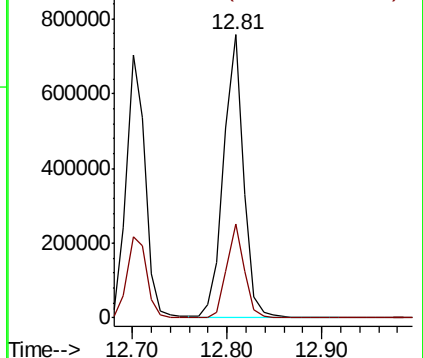
91 100

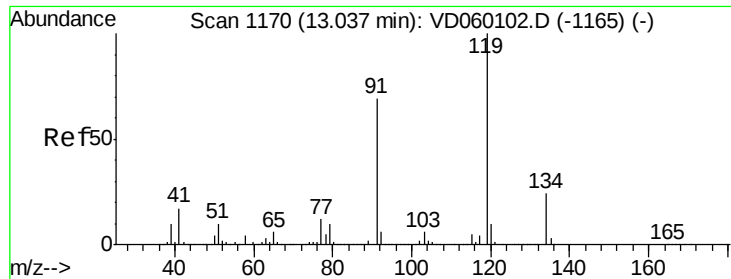
126 33.2 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

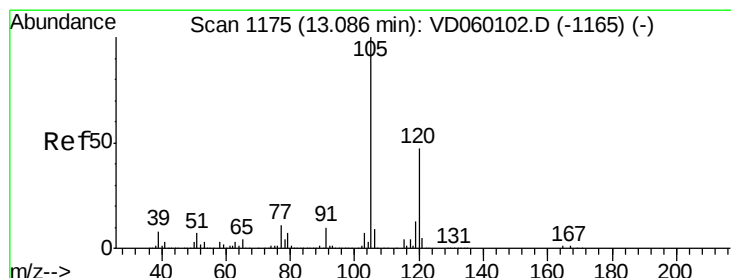
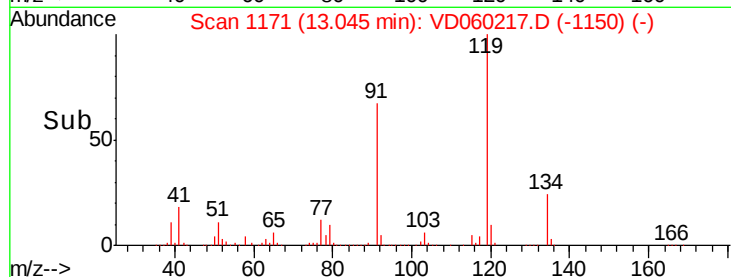
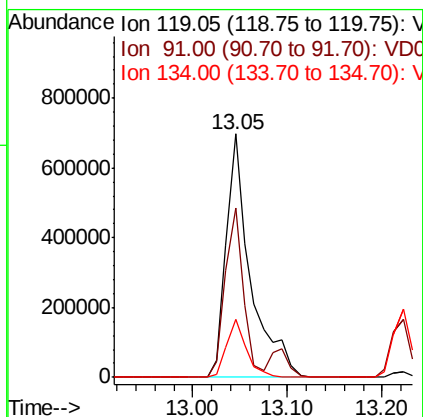
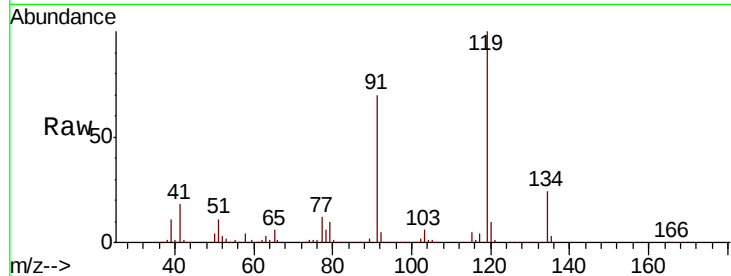




#83
 tert-Butylbenzene
 Concen: 22.887 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

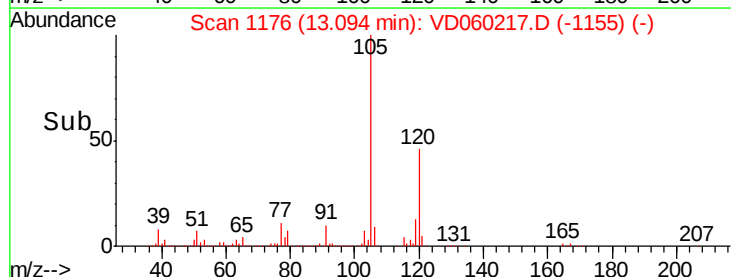
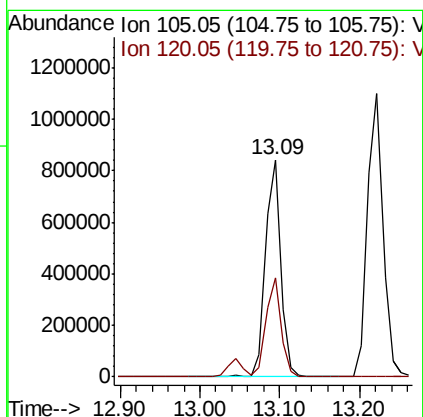
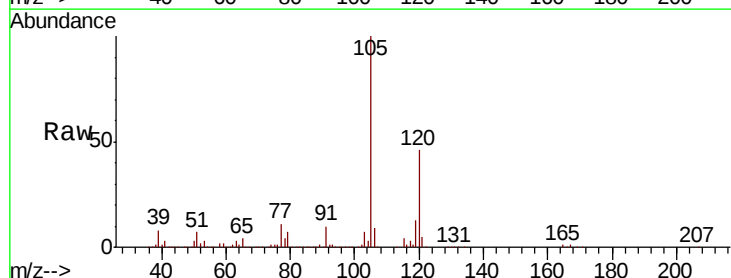
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBSD01

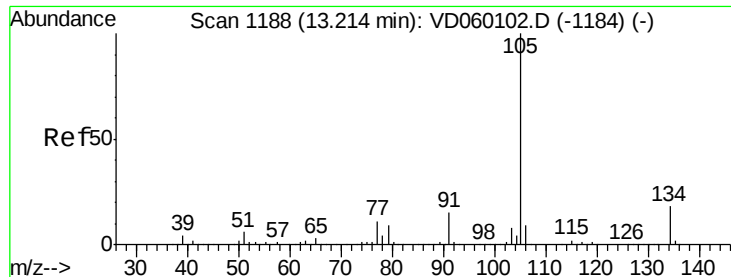
Tgt Ion:119 Resp: 1242239
 Ion Ratio Lower Upper
 119 100
 91 69.5 34.8 104.4
 134 23.8 11.8 35.4



#84
 1,2,4-Trimethylbenzene
 Concen: 22.399 ug/l
 RT: 13.09 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

Tgt Ion:105 Resp: 1116614
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.4 70.0

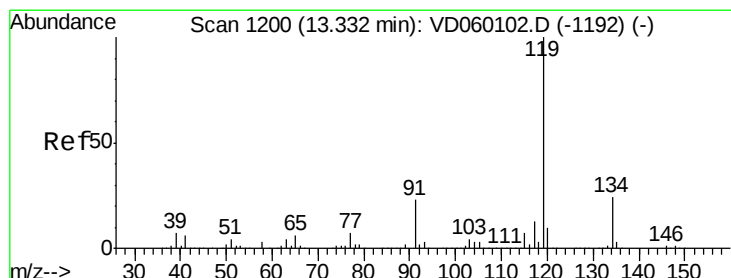
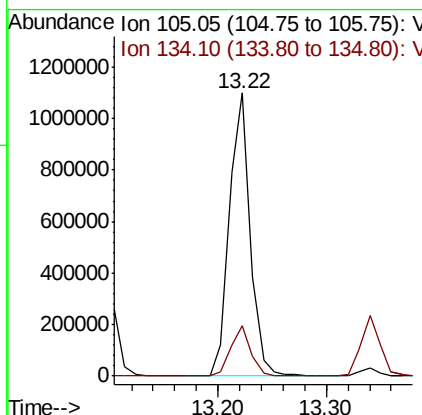
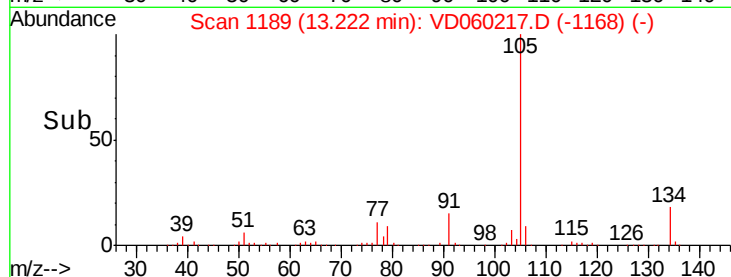
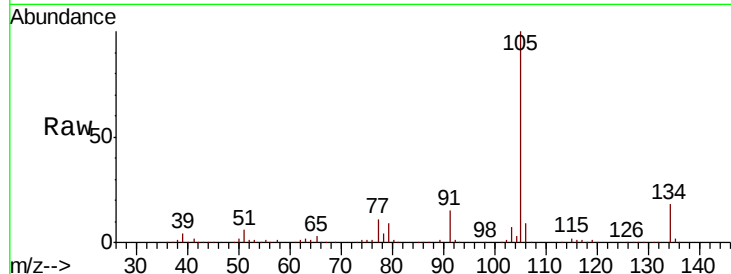




#85
 sec-Butylbenzene
 Concen: 22.906 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

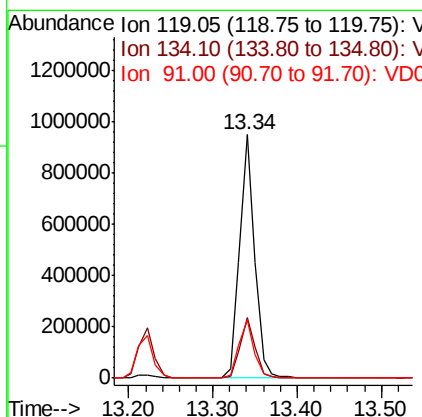
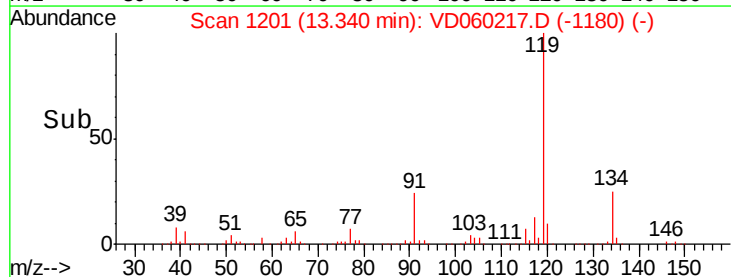
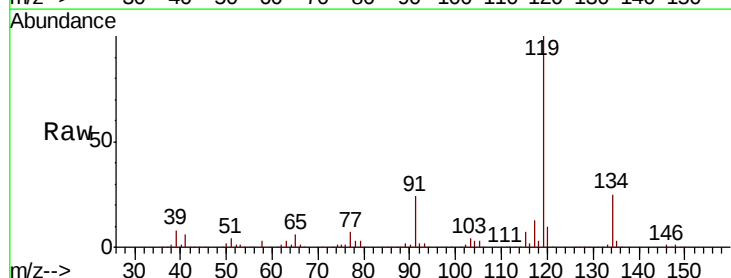
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBSD01

Tgt Ion:105 Resp: 1470040
 Ion Ratio Lower Upper
 105 100
 134 17.8 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 22.404 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

Tgt Ion:119 Resp: 1179288
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.3 36.8
 91 23.6 11.8 35.4

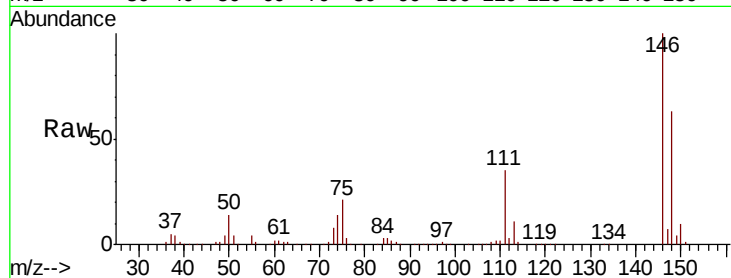




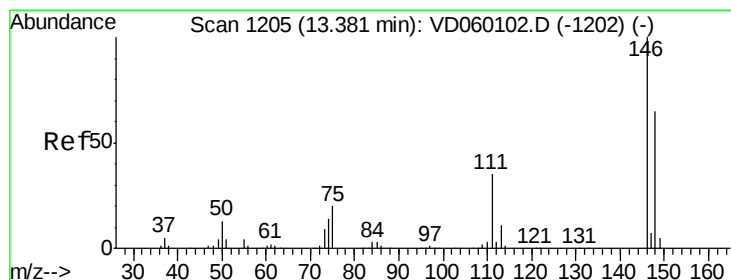
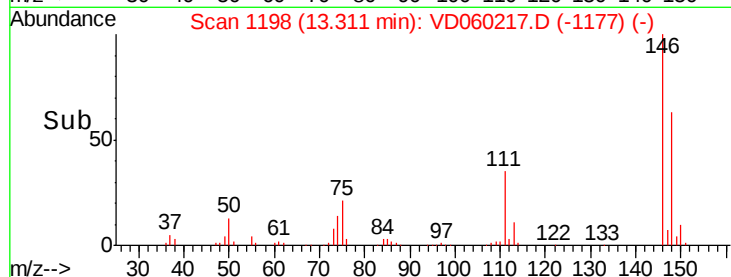
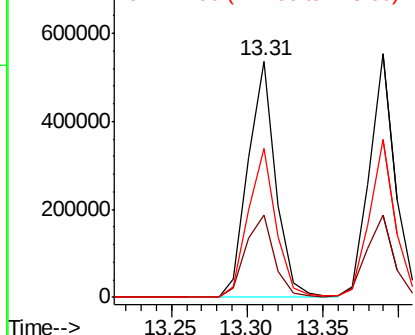
#87
 1,3-Dichlorobenzene
 Concen: 22.038 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tgt Ion:146 Resp: 681883
 Ion Ratio Lower Upper
 146 100
 111 34.8 18.1 54.3
 148 62.9 32.3 96.9

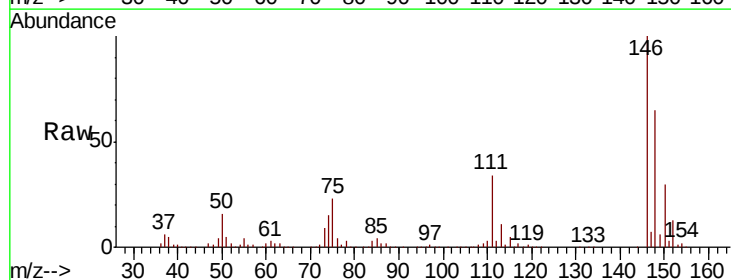


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

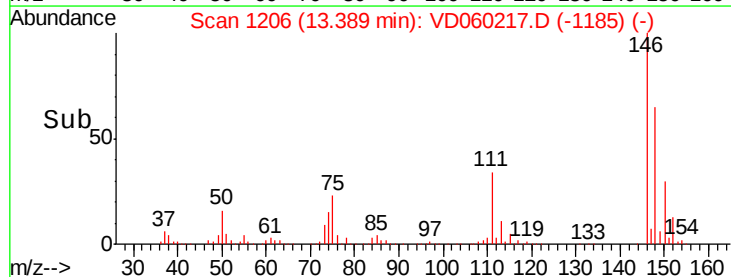
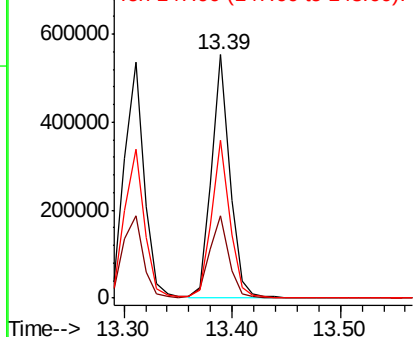


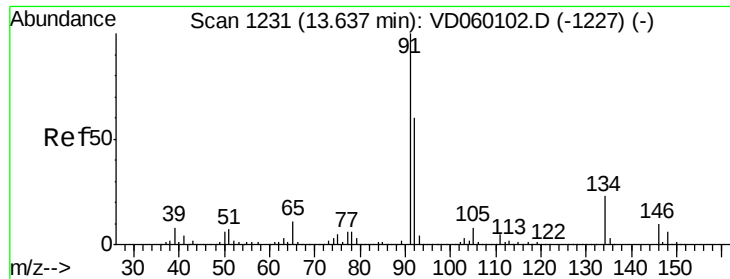
#88
 1,4-Dichlorobenzene
 Concen: 21.177 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

Tgt Ion:146 Resp: 658147
 Ion Ratio Lower Upper
 146 100
 111 34.0 17.8 53.3
 148 64.8 32.4 97.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

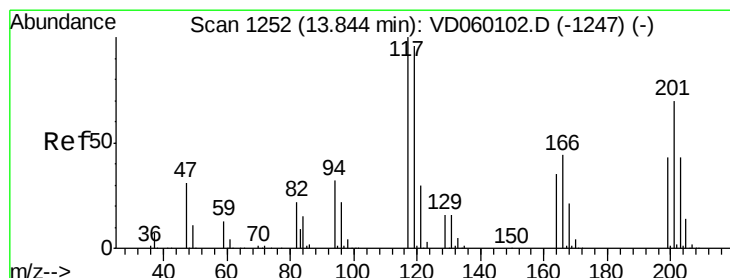
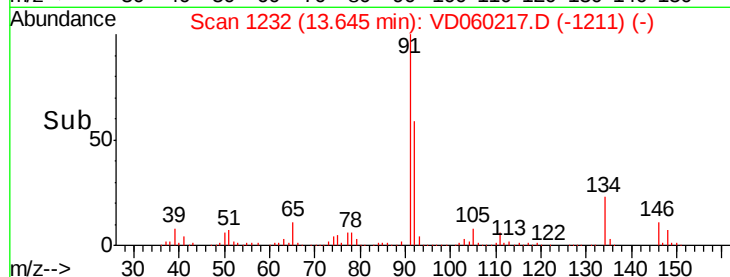
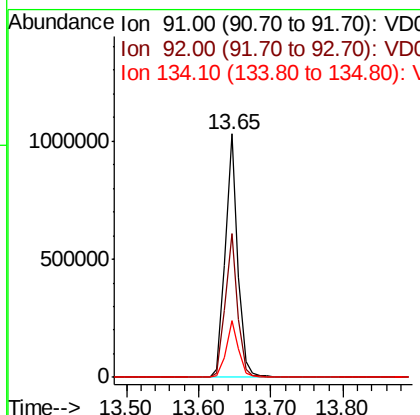
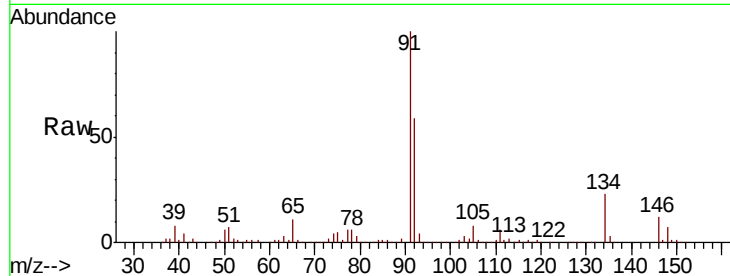




#89
n-Butylbenzene
Concen: 23.827 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

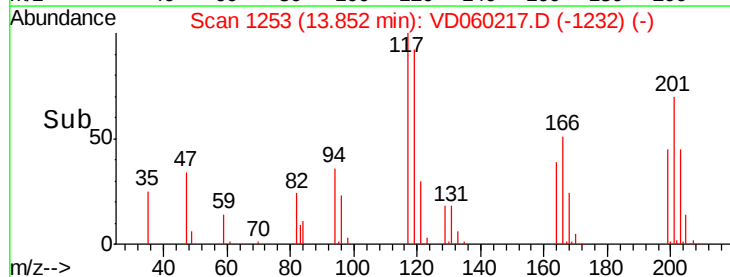
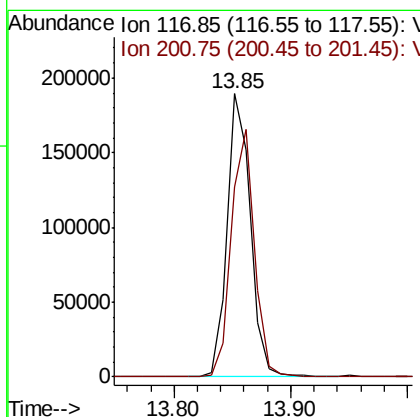
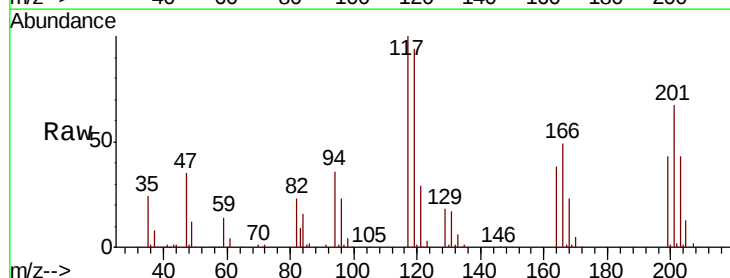
Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

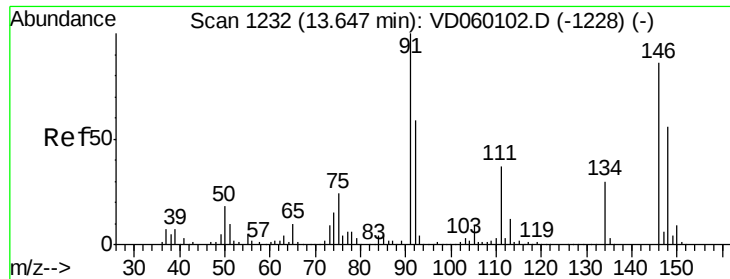
Tgt Ion: 91 Resp: 1223778
Ion Ratio Lower Upper
91 100
92 58.9 30.1 90.3
134 23.4 11.6 34.7



#90
Hexachloroethane
Concen: 21.469 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion: 117 Resp: 261544
Ion Ratio Lower Upper
117 100
201 67.1 34.8 104.5

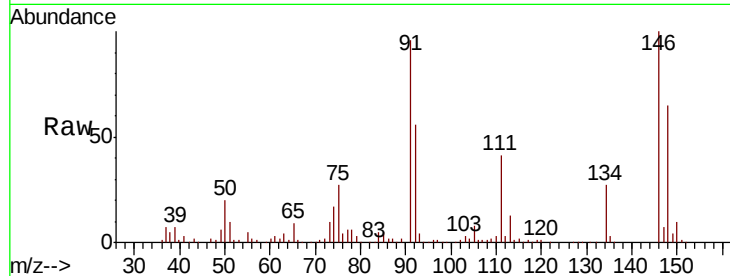




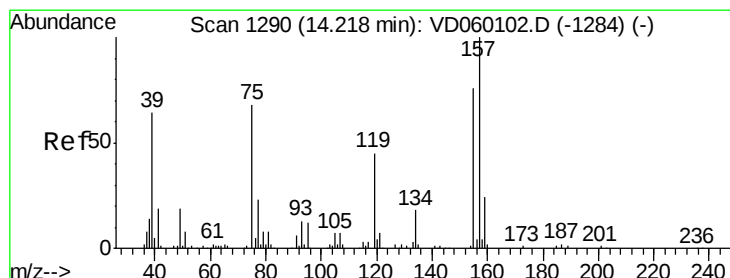
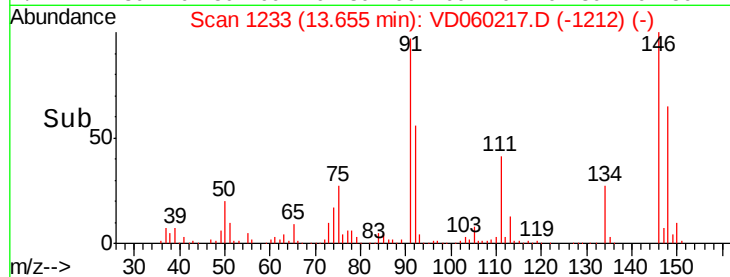
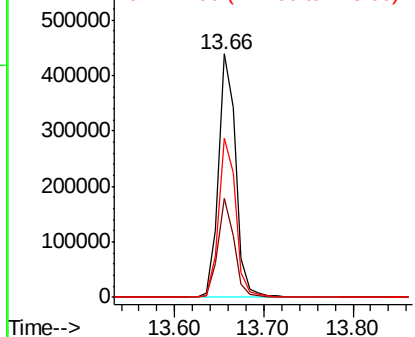
#91
 1,2-Dichlorobenzene
 Concen: 22.938 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tgt Ion: 146 Resp: 596759
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.4 64.3
 148 65.4 32.2 96.6

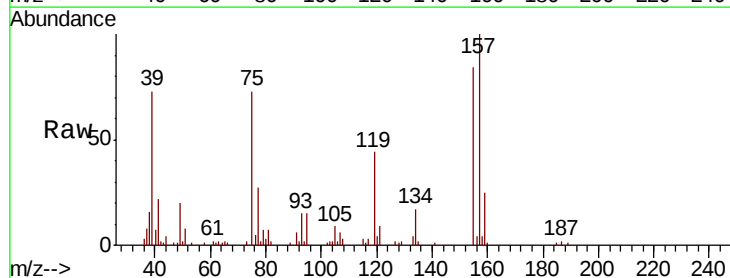


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

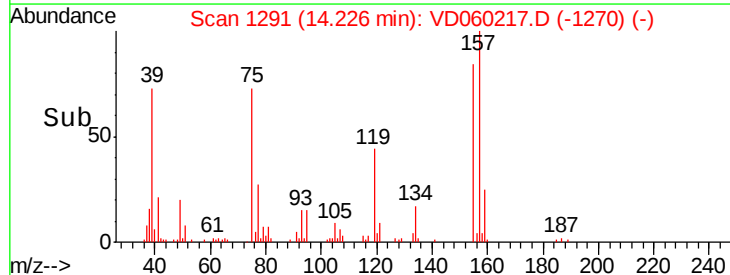
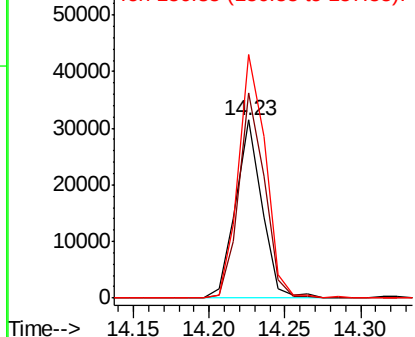


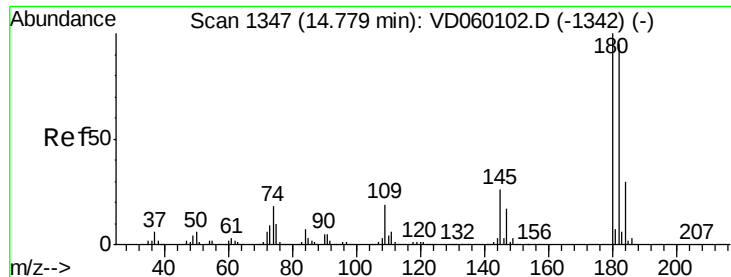
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.337 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060217.D
 Acq: 26 Oct 2018 15:40

Tgt Ion: 75 Resp: 38010
 Ion Ratio Lower Upper
 75 100
 155 115.5 55.9 167.7
 157 136.7 73.3 219.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

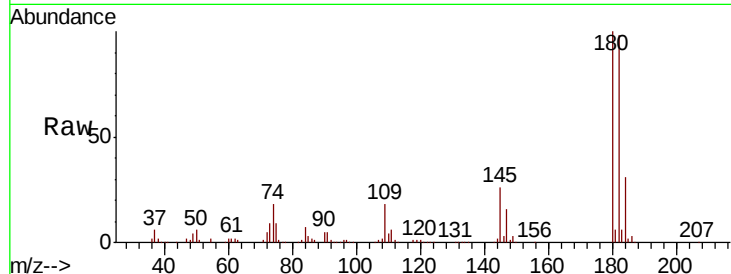




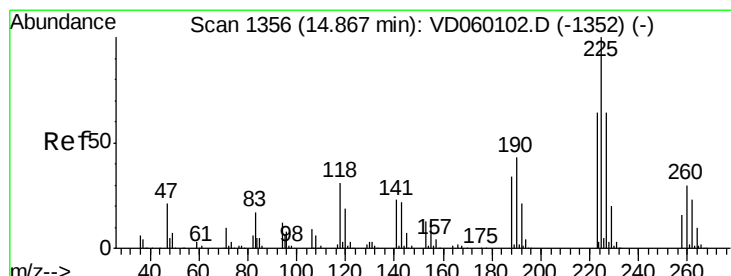
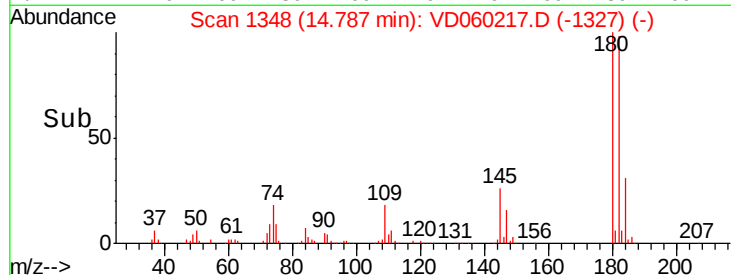
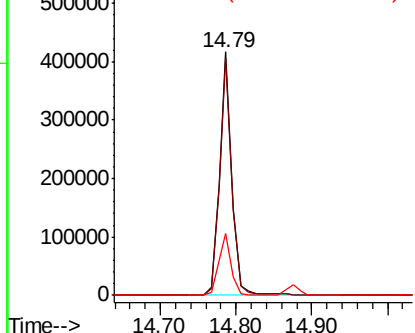
#93
1,2,4-Trichlorobenzene
Concen: 21.711 ug/l
RT: 14.79 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

Tgt Ion:180 Resp: 479434
Ion Ratio Lower Upper
180 100
182 97.5 47.3 141.8
145 25.5 13.0 38.9

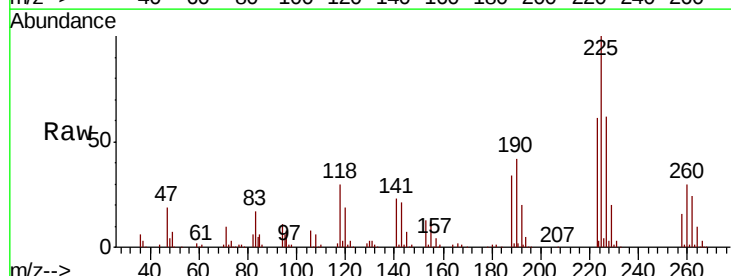


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

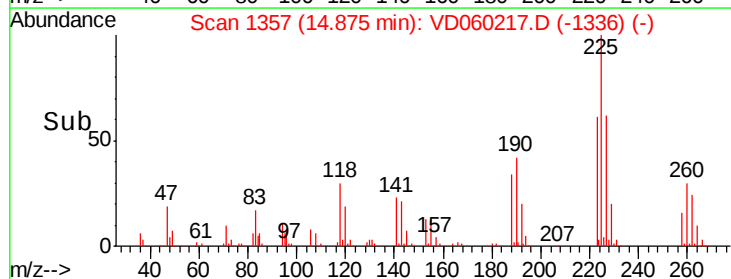
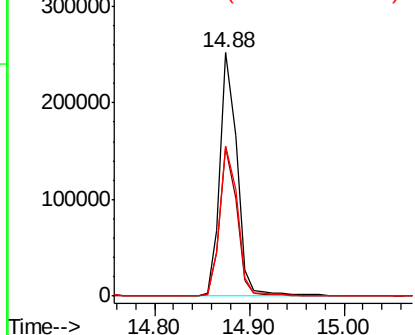


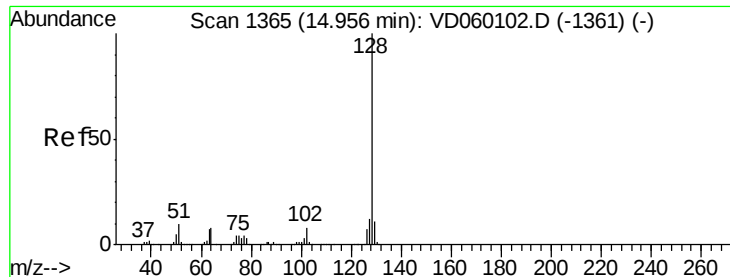
#94
Hexachlorobutadiene
Concen: 21.730 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion:225 Resp: 318966
Ion Ratio Lower Upper
225 100
223 61.2 31.8 95.4
227 61.8 32.0 96.0



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

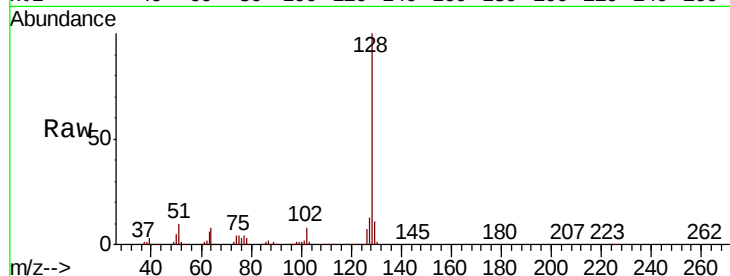




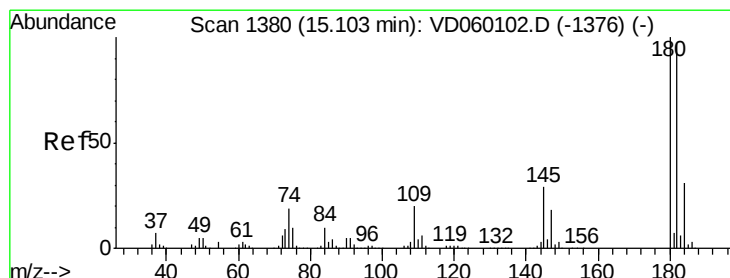
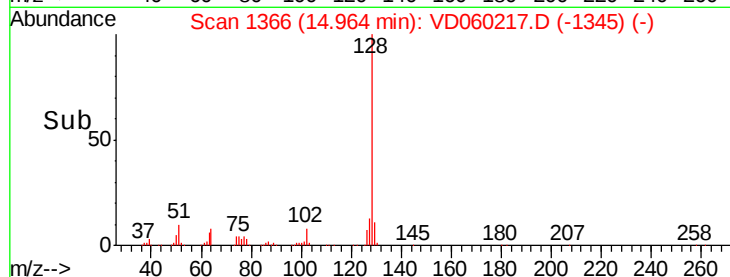
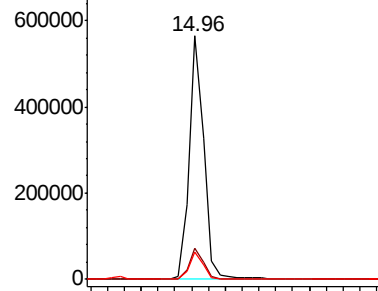
#95
Naphthalene
Concen: 20.888 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

Tgt Ion:128 Resp: 683706
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 11.4 8.8 13.2

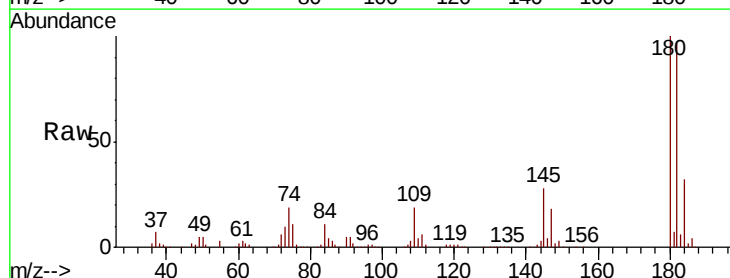


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.029 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060217.D
Acq: 26 Oct 2018 15:40

Tgt Ion:180 Resp: 403956
Ion Ratio Lower Upper
180 100
182 96.6 48.4 145.0
145 28.4 14.5 43.6



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

