

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121318\
 Data File : VD060554.D
 Acq On : 13 Dec 2018 12:00
 Operator : VA/AP
 Sample : VD1213SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Quant Time: Dec 14 01:03:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1630047	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2243713	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1812833	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	920850	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	583579	50.51	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	101.02%	
35) Dibromofluoromethane	6.31	113	846176	51.34	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	102.68%	
50) Toluene-d8	9.44	98	2490133	52.21	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.41	95	866477	50.78	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	101.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	429952	24.345	ug/l	97
3) Chloromethane	1.77	50	399828	23.873	ug/l	100
4) Vinyl Chloride	1.87	62	312149	23.353	ug/l	100
5) Bromomethane	2.16	94	56010	16.750	ug/l	96
6) Chloroethane	2.27	64	79153	17.104	ug/l	99
7) Trichlorofluoromethane	2.52	101	319794	20.720	ug/l	94
8) Diethyl Ether	2.84	74	59543	22.336	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.09	101	228153	22.783	ug/l	98
10) Methyl Iodide	3.25	142	249049	21.276	ug/l	97
11) Tert butyl alcohol	3.97	59	42945	91.490	ug/l	96
12) 1,1-Dichloroethene	3.08	96	187572	23.022	ug/l	94
13) Acrolein	2.99	56	45758	89.215	ug/l	88
14) Allyl chloride	3.53	41	340005	21.995	ug/l	99
15) Acrylonitrile	4.09	53	284565	106.768	ug/l	96
16) Acetone	3.17	43	183660	99.170	ug/l	96
17) Carbon Disulfide	3.32	76	577089	21.806	ug/l	98
18) Methyl Acetate	3.56	43	106281	24.147	ug/l #	93
19) Methyl tert-butyl Ether	4.12	73	483516	21.400	ug/l	100
20) Methylene Chloride	3.72	84	384648	19.930	ug/l	94
21) trans-1,2-Dichloroethene	4.10	96	376273	21.231	ug/l	95
22) Diisopropyl ether	4.84	45	1189215	21.427	ug/l	95
23) Vinyl Acetate	4.79	43	2931601	106.610	ug/l	98
24) 1,1-Dichloroethane	4.74	63	611384	21.204	ug/l	99
25) 2-Butanone	5.61	43	357102	98.009	ug/l	99
26) 2,2-Dichloropropane	5.58	77	486587	21.846	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	385536	21.395	ug/l	96
28) Bromochloromethane	5.92	49	269008	21.061	ug/l	98
29) Tetrahydrofuran	5.95	42	223165	108.161	ug/l	96
30) Chloroform	6.09	83	620658	21.367	ug/l	97
31) Cyclohexane	6.36	56	566432	20.731	ug/l	96
32) 1,1,1-Trichloroethane	6.28	97	506231	21.199	ug/l	98
36) 1,1-Dichloropropene	6.51	75	470923	21.472	ug/l	98
37) Ethyl Acetate	5.69	43	209865	22.064	ug/l	98
38) Carbon Tetrachloride	6.49	117	427695	21.722	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	549732	21.988	ug/l	100
40) Benzene	6.78	78	1212483	21.632	ug/l	99
41) Methacrylonitrile	5.94	41	234026	45.643	ug/l #	70
42) 1,2-Dichloroethane	6.88	62	307717	21.592	ug/l	100
43) Isopropyl Acetate	8.33	43	246104	20.961	ug/l #	99
44) Trichloroethene	7.73	130	361273	21.567	ug/l	96
45) 1,2-Dichloropropane	8.08	63	302052	21.789	ug/l	99
46) Dibromomethane	8.20	93	170016	21.227	ug/l	93
47) Bromodichloromethane	8.47	83	410351	21.592	ug/l	98
48) Methyl methacrylate	8.23	41	152846	22.001	ug/l	99
49) 1,4-Dioxane	8.21	88	27589	438.164	ug/l	87
51) 4-Methyl-2-Pentanone	9.32	43	784431	107.404	ug/l	97
52) Toluene	9.53	92	766257	21.872	ug/l	97
53) t-1,3-Dichloropropene	9.90	75	333857	21.379	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	449477	21.908	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	209086	21.431	ug/l	99
56) Ethyl methacrylate	10.01	69	188710	21.373	ug/l	98
57) 1,3-Dichloropropane	10.36	76	317659	21.063	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	609145	115.301	ug/l	100
59) 2-Hexanone	10.47	43	549374	107.614	ug/l	100
60) Dibromochloromethane	10.62	129	262508	21.521	ug/l	99
61) 1,2-Dibromoethane	10.74	107	212929	21.416	ug/l	98
64) Tetrachloroethene	10.24	164	342470	21.335	ug/l	99
65) Chlorobenzene	11.30	112	818659	21.346	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	267577	21.646	ug/l	98
67) Ethyl Benzene	11.42	91	1442748	22.055	ug/l	99
68) m/p-Xylenes	11.55	106	1035187	42.774	ug/l	98
69) o-Xylene	11.92	106	494240	21.429	ug/l	89
70) Styrene	11.94	104	811066	21.909	ug/l	96
71) Bromoform	12.11	173	167359	20.293	ug/l	99
73) Isopropylbenzene	12.26	105	1384266	21.243	ug/l	100
74) N-amyl acetate	12.13	43	327288	20.782	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	213678	20.483	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	210277	20.153	ug/l	96
77) Bromobenzene	12.53	156	355009	20.726	ug/l	94
78) n-propylbenzene	12.63	91	1715068	20.821	ug/l	100
79) 2-Chlorotoluene	12.70	91	940860	21.049	ug/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	1093014	21.952	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	59917	20.590	ug/l	100
82) 4-Chlorotoluene	12.79	91	1084695	21.606	ug/l	91
83) tert-Butylbenzene	13.03	119	1202623	21.541	ug/l	91
84) 1,2,4-Trimethylbenzene	13.08	105	1106711	21.466	ug/l	99
85) sec-Butylbenzene	13.21	105	1475582	21.206	ug/l	99
86) p-Isopropyltoluene	13.33	119	1210185	21.940	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	652773	21.049	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	638581	20.990	ug/l	96
89) n-Butylbenzene	13.63	91	1275503	20.831	ug/l	96
90) Hexachloroethane	13.85	117	290948	21.038	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	551035	21.742	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.21	75	24667	19.515	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

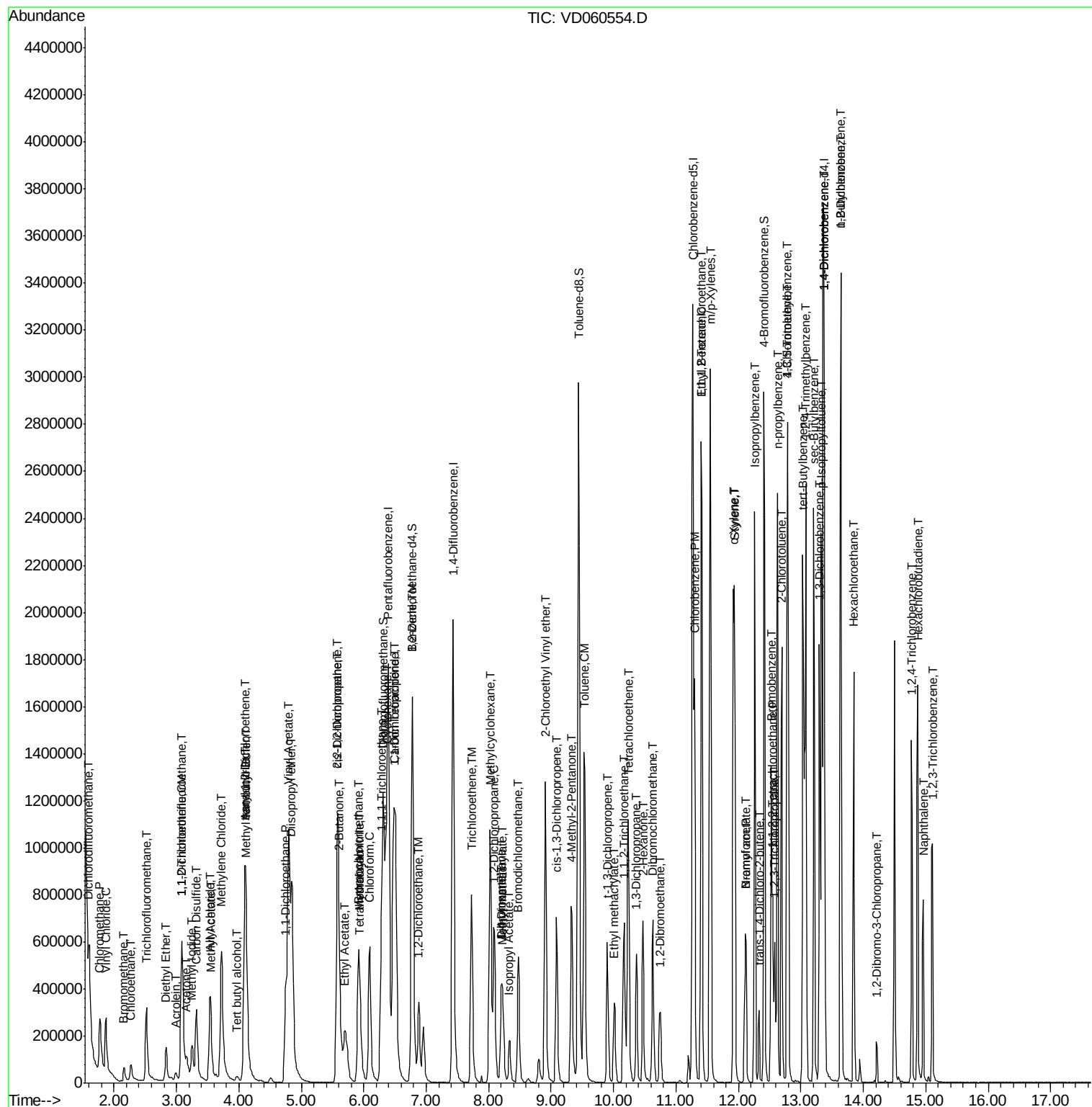
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	413710	20.881	ug/l	96
94) Hexachlorobutadiene	14.87	225	301836	20.649	ug/l	98
95) Naphthalene	14.96	128	477499	20.259	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	314753	19.938	ug/l	97

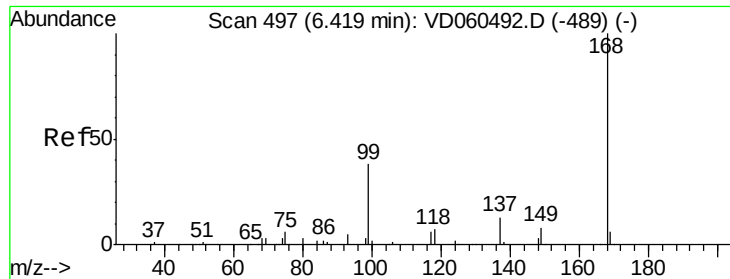
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

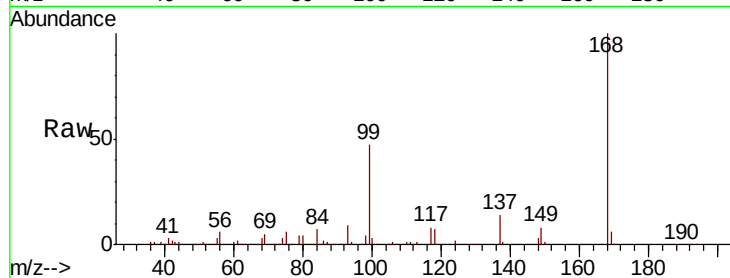
VD1213SBS01

Tgt Ion:168 Resp: 1630047

Ion Ratio Lower Upper

168 100

99 46.7 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

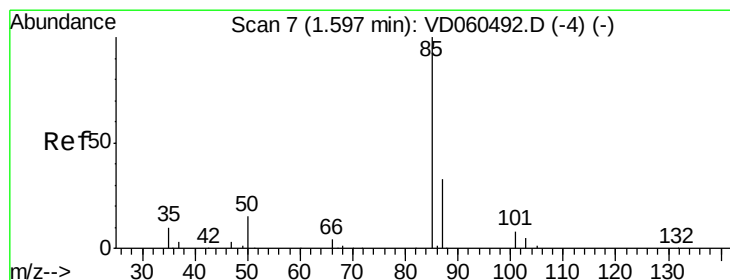
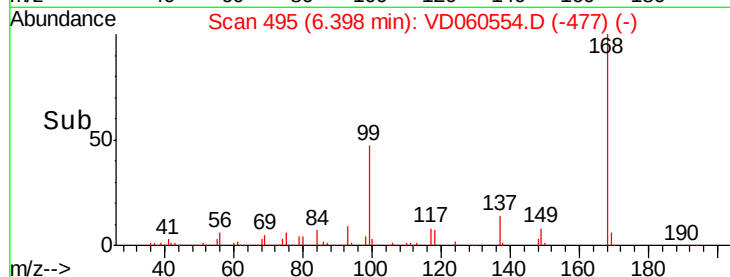
600000

400000

200000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 24.345 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060554.D

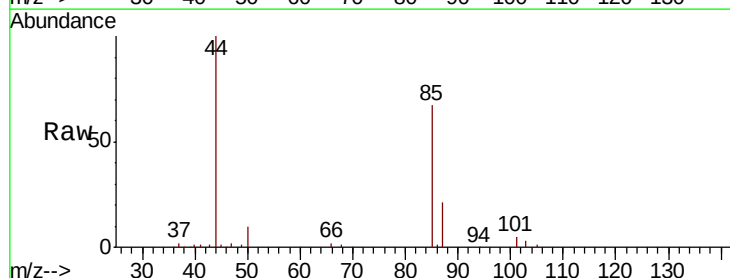
Acq: 13 Dec 2018 12:00

Tgt Ion: 85 Resp: 429952

Ion Ratio Lower Upper

85 100

87 31.7 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

200000

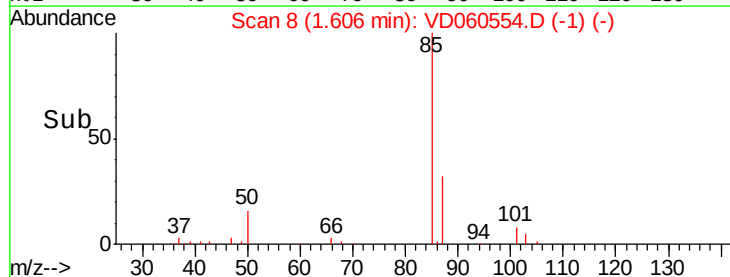
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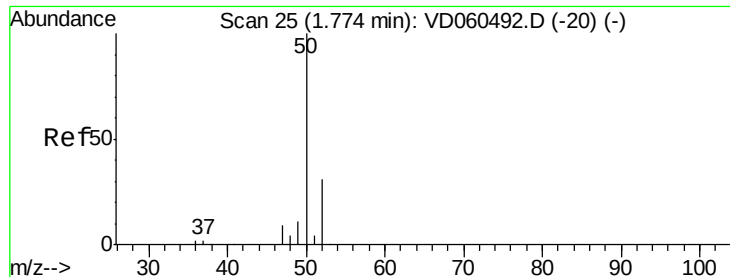
100000

50000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 23.873 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.00 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

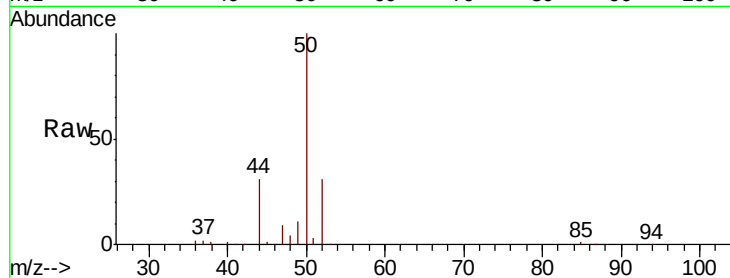
VD1213SBS01

Tgt Ion: 50 Resp: 399828

Ion Ratio Lower Upper

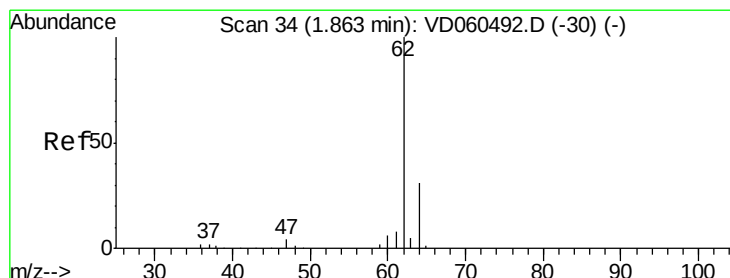
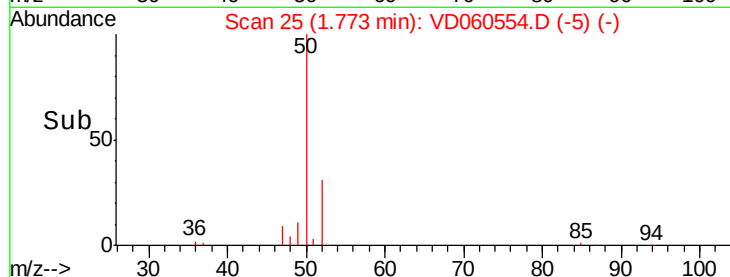
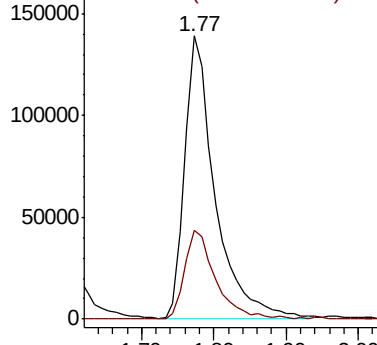
50 100

52 31.4 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.353 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060554.D

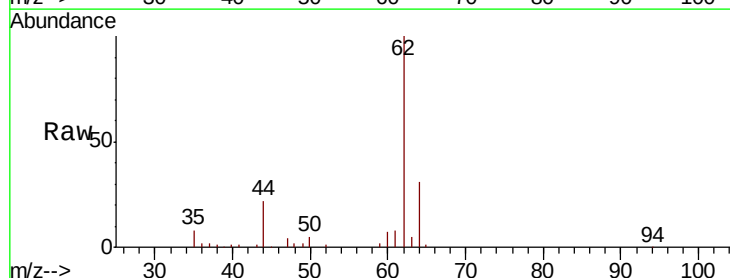
Acq: 13 Dec 2018 12:00

Tgt Ion: 62 Resp: 312149

Ion Ratio Lower Upper

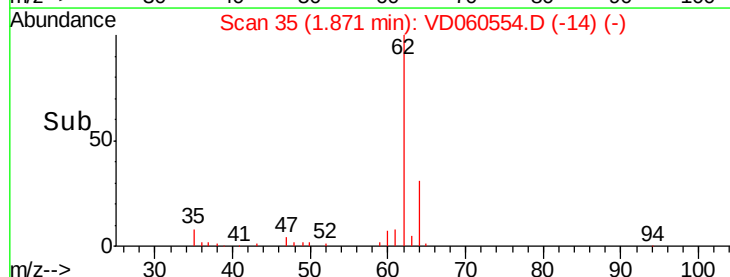
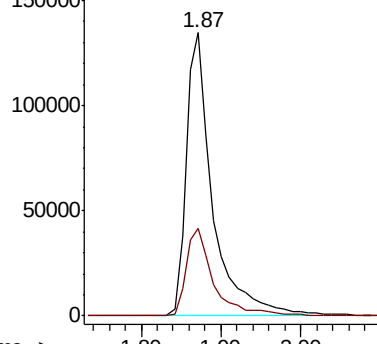
62 100

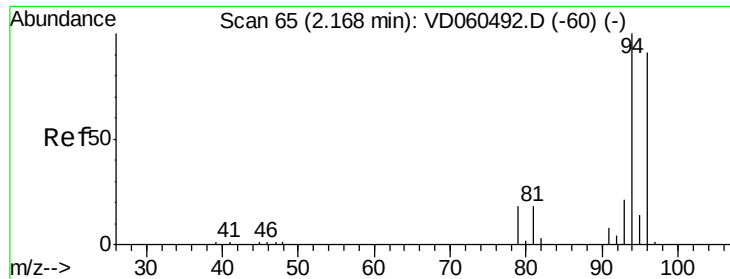
64 30.9 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.750 ug/l

RT: 2.16 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

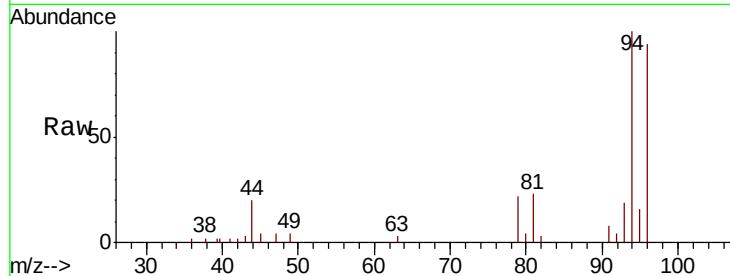
VD1213SBS01

Tgt Ion: 94 Resp: 56010

Ion Ratio Lower Upper

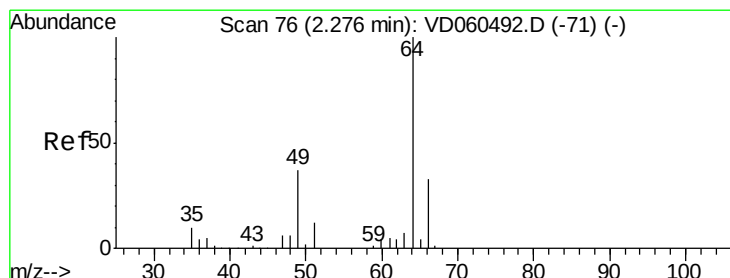
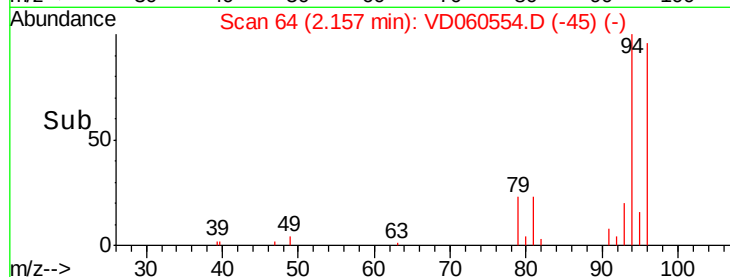
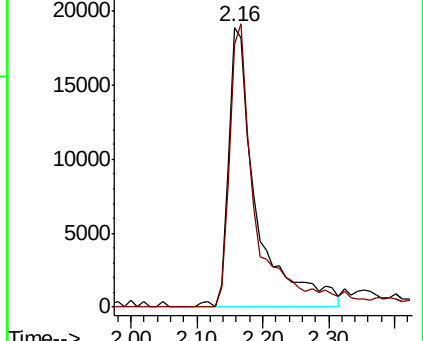
94 100

96 94.1 72.6 108.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.104 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060554.D

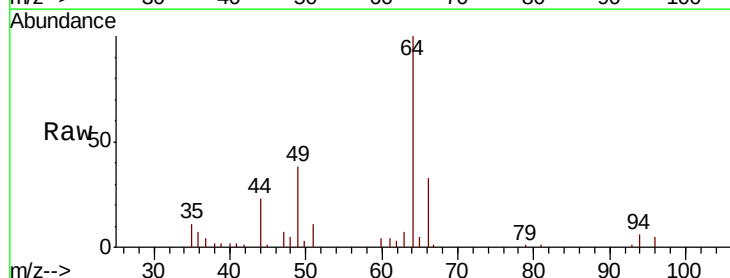
Acq: 13 Dec 2018 12:00

Tgt Ion: 64 Resp: 79153

Ion Ratio Lower Upper

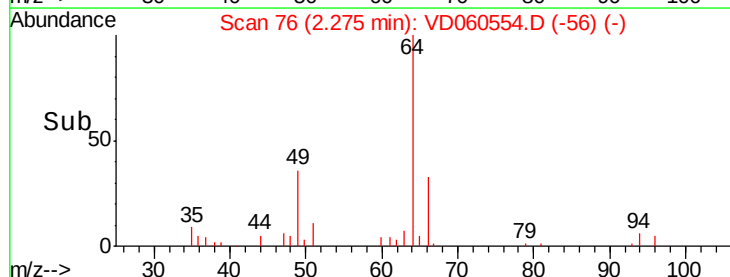
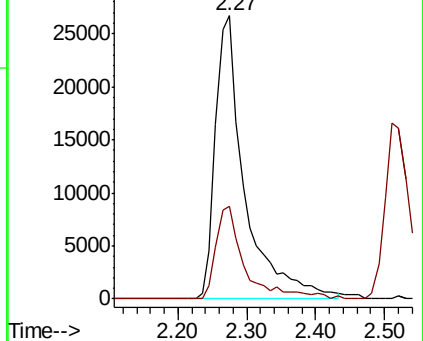
64 100

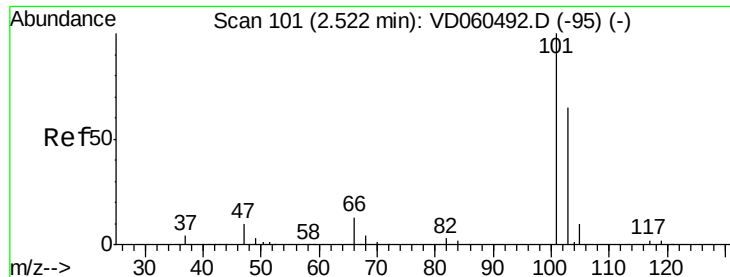
66 32.6 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



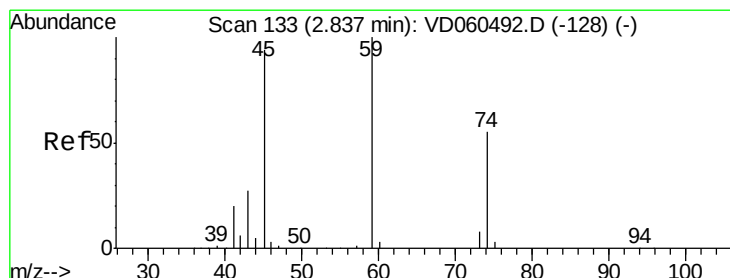
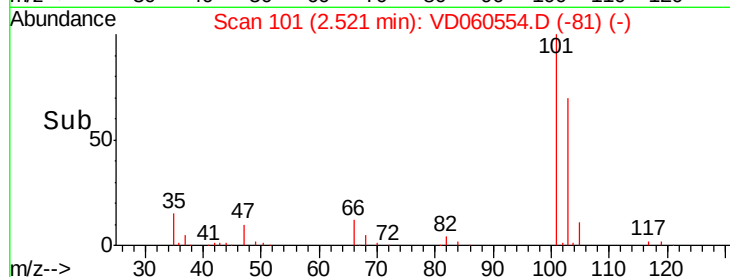
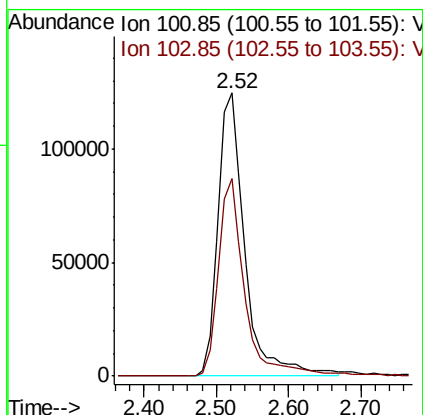
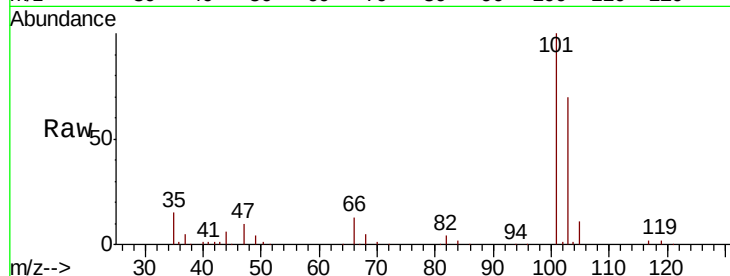


#7

Trichlorofluoromethane
 Concen: 20.720 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

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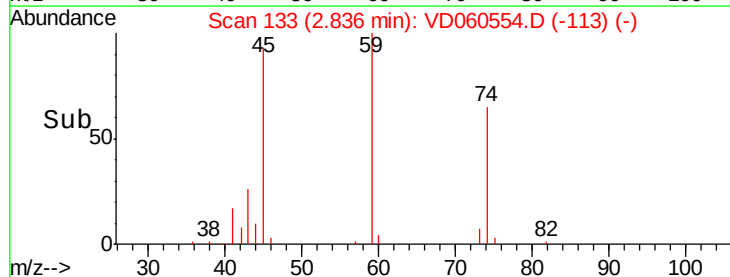
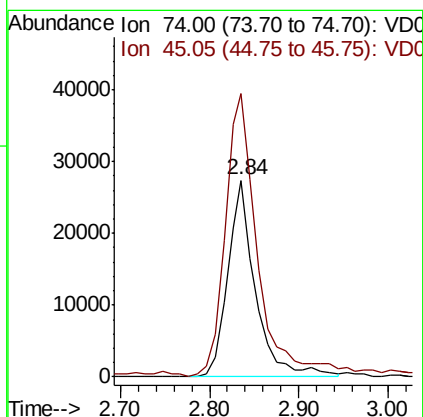
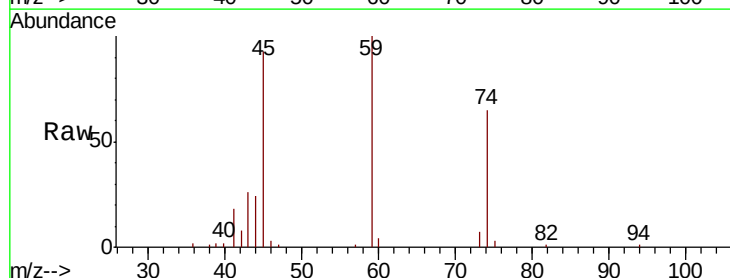
Tgt Ion: 101 Resp: 319794
 Ion Ratio Lower Upper
 101 100
 103 69.6 51.8 77.8

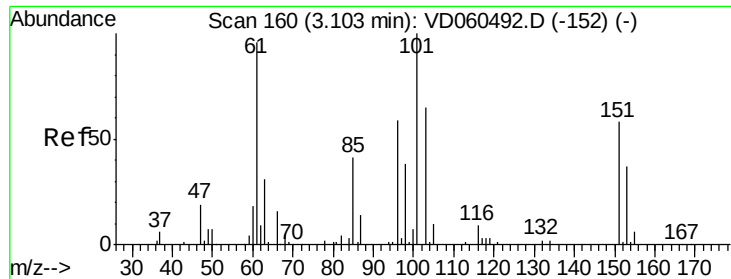


#8

Diethyl Ether
 Concen: 22.336 ug/l
 RT: 2.84 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Tgt Ion: 74 Resp: 59543
 Ion Ratio Lower Upper
 74 100
 45 144.2 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.783 ug/l

RT: 3.09 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

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VD1213SBS01

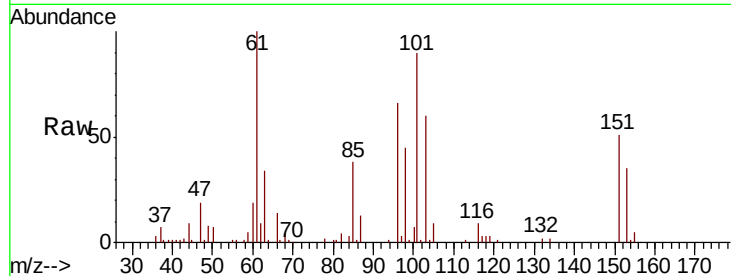
Tgt Ion:101 Resp: 228153

Ion Ratio Lower Upper

101 100

85 42.2 32.7 49.1

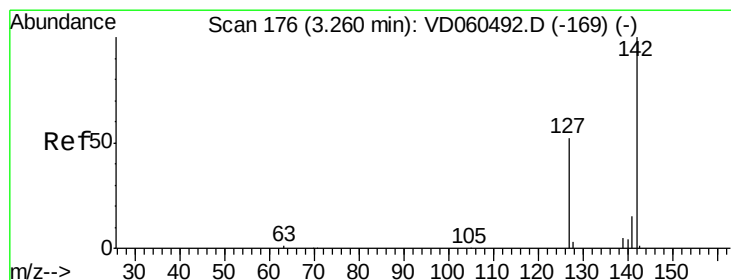
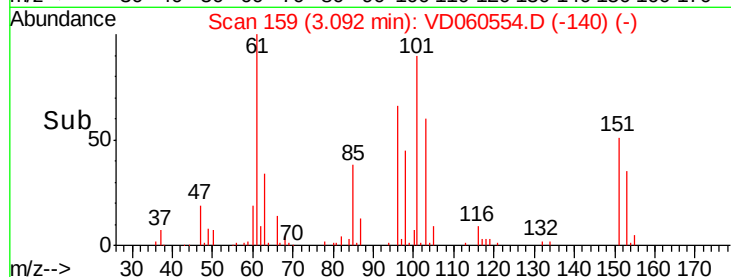
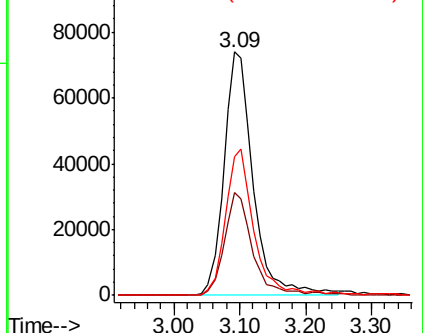
151 57.1 46.6 69.8



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: 21.276 ug/l

RT: 3.25 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

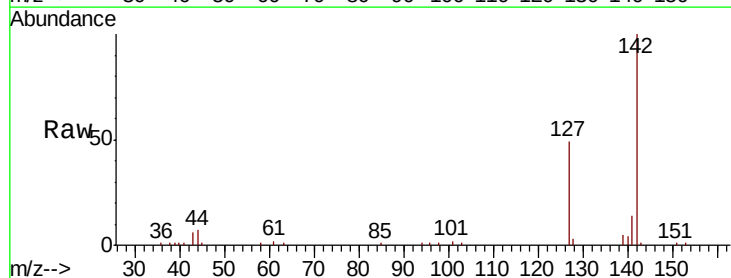
Tgt Ion:142 Resp: 249049

Ion Ratio Lower Upper

142 100

127 49.0 41.2 61.8

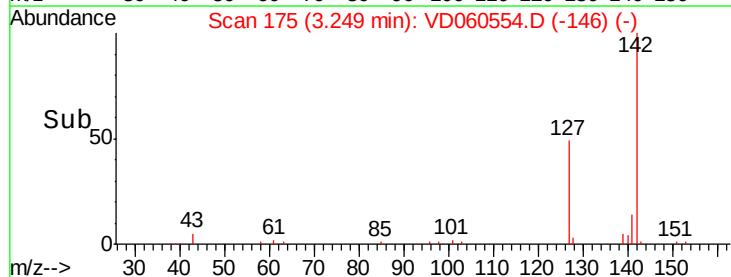
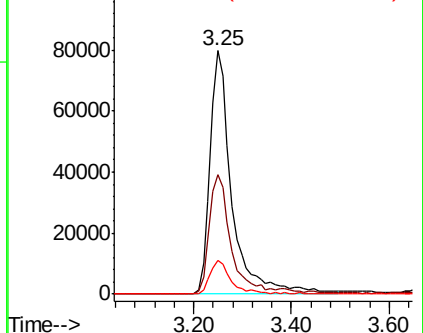
141 14.0 11.9 17.9

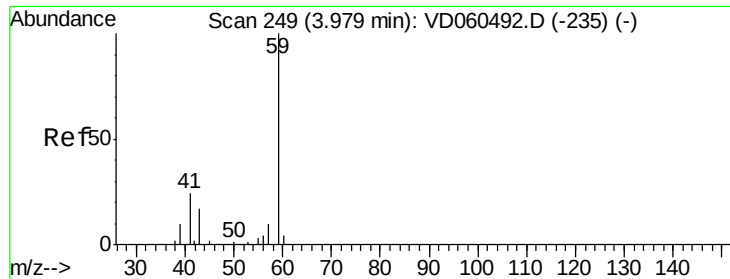


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

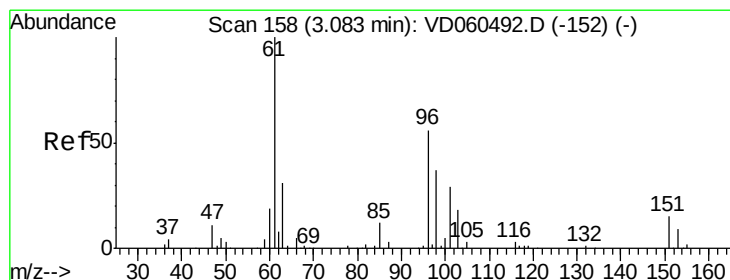
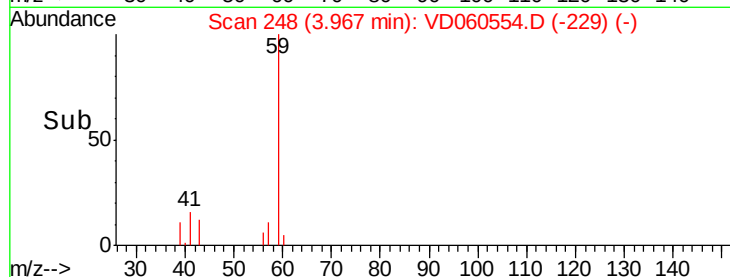
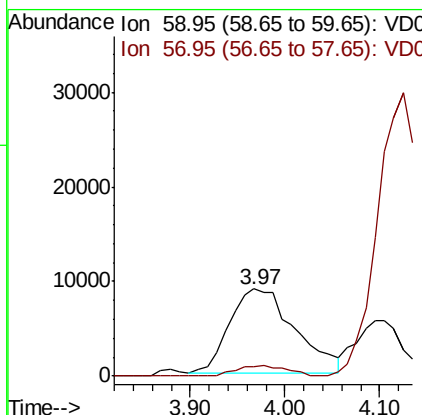
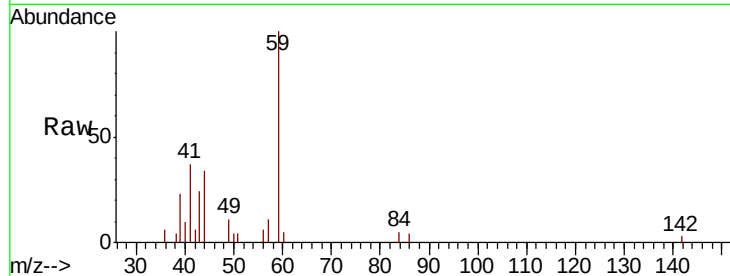




#11
Tert butyl alcohol
Concen: 91.490 ug/l
RT: 3.97 min Scan# 248
Delta R.T. -0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

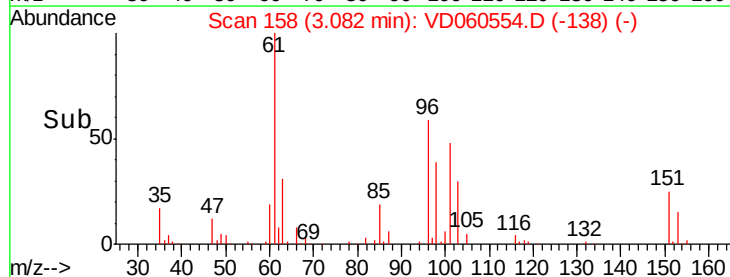
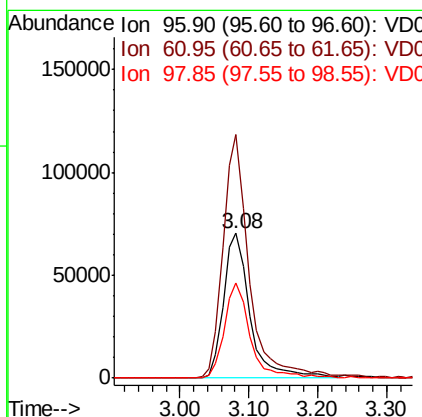
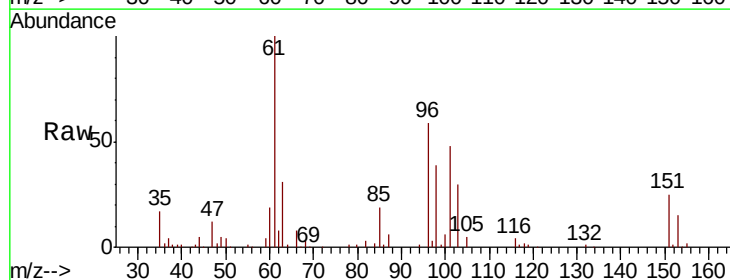
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

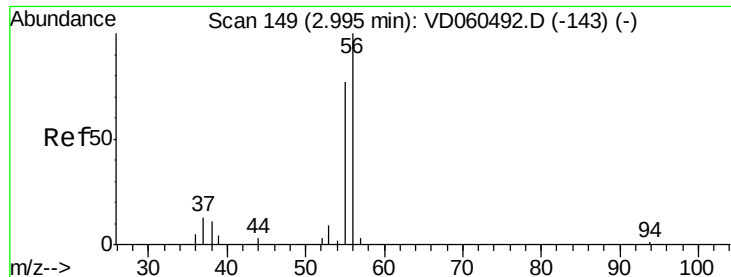
Tgt Ion: 59 Resp: 42945
Ion Ratio Lower Upper
59 100
57 11.5 8.1 12.1



#12
1,1-Dichloroethene
Concen: 23.022 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.00 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion: 96 Resp: 187572
Ion Ratio Lower Upper
96 100
61 168.4 143.0 214.4
98 66.0 53.4 80.0





#13

Acrolein

Concen: 89.215 ug/l

RT: 2.99 min Scan# 149

Delta R.T. -0.00 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

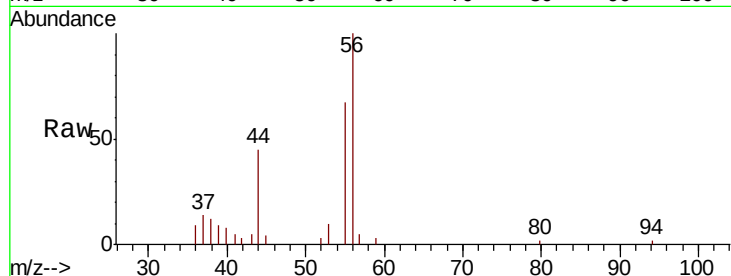
VD1213SBS01

Tgt Ion: 56 Resp: 45758

Ion Ratio Lower Upper

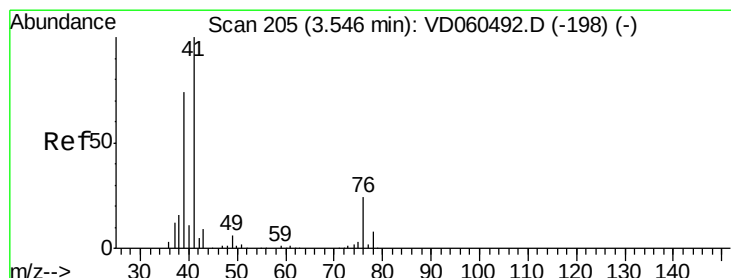
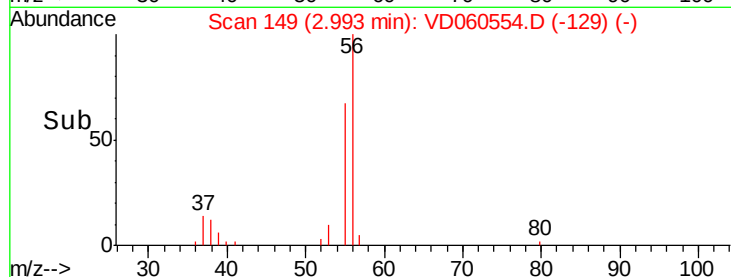
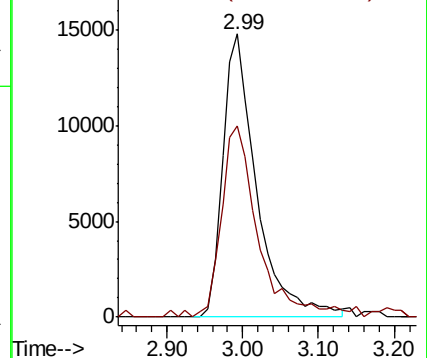
56 100

55 67.4 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.995 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

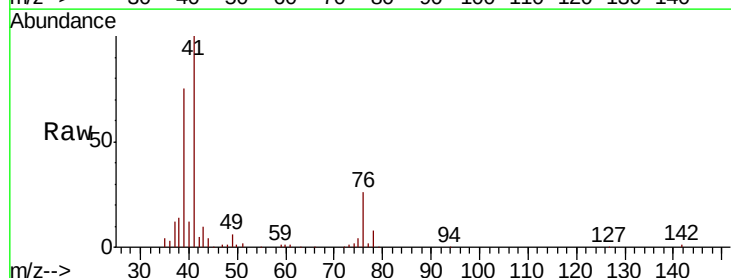
Tgt Ion: 41 Resp: 340005

Ion Ratio Lower Upper

41 100

39 75.3 59.3 88.9

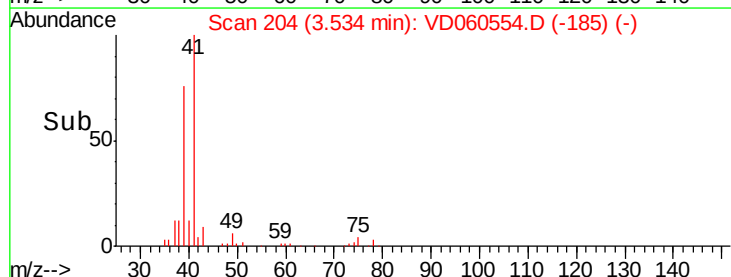
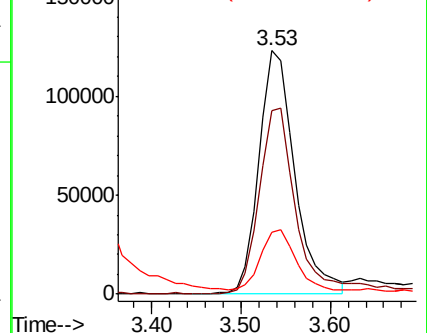
76 25.6 21.0 31.6

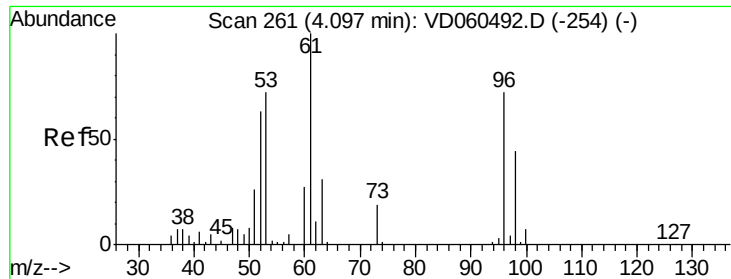


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 106.768 ug/l

RT: 4.09 min Scan# 260

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

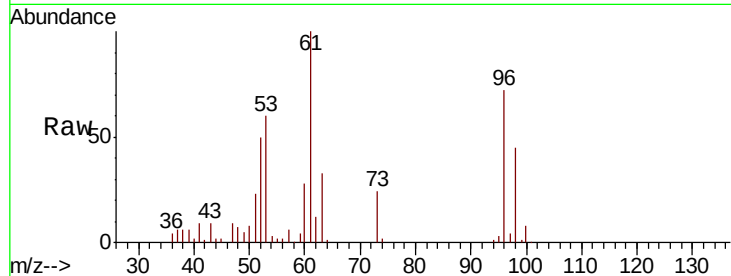
Tgt Ion: 53 Resp: 284565

Ion Ratio Lower Upper

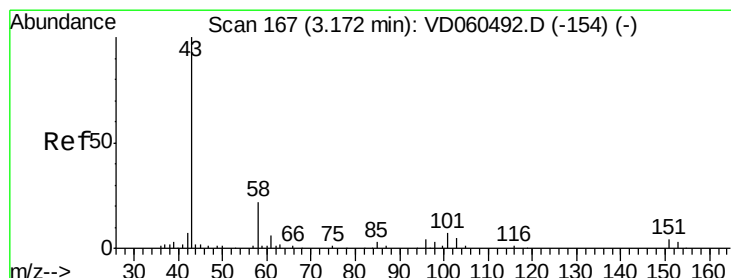
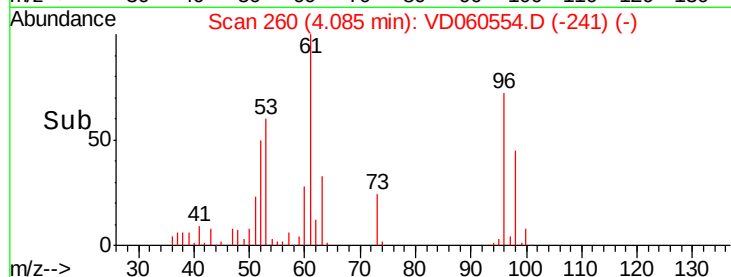
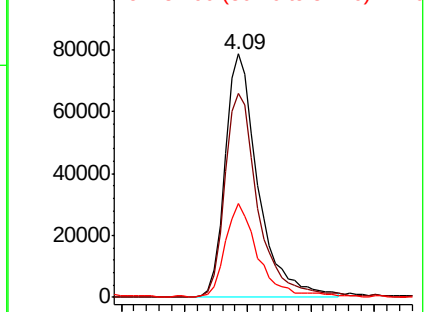
53 100

52 84.0 70.0 105.0

51 38.4 28.8 43.2



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: 99.170 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060554.D

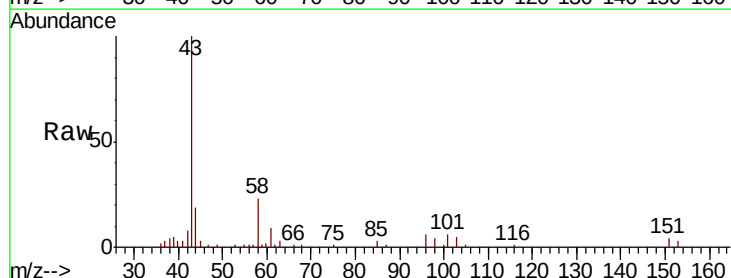
Acq: 13 Dec 2018 12:00

Tgt Ion: 43 Resp: 183660

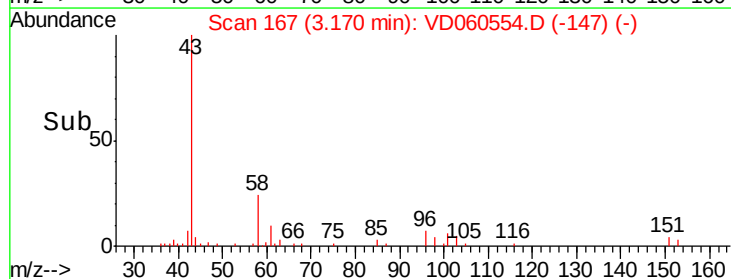
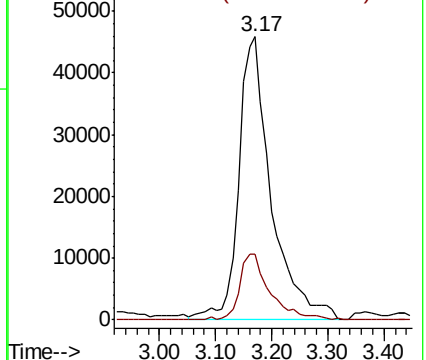
Ion Ratio Lower Upper

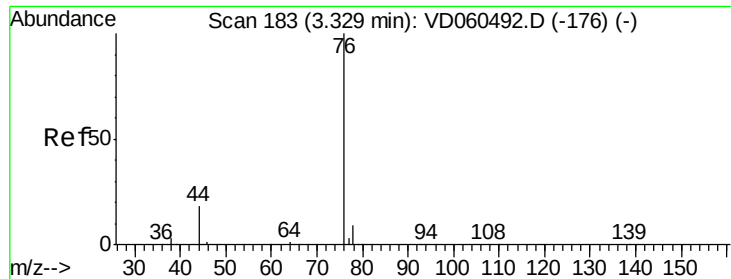
43 100

58 23.4 17.3 25.9



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

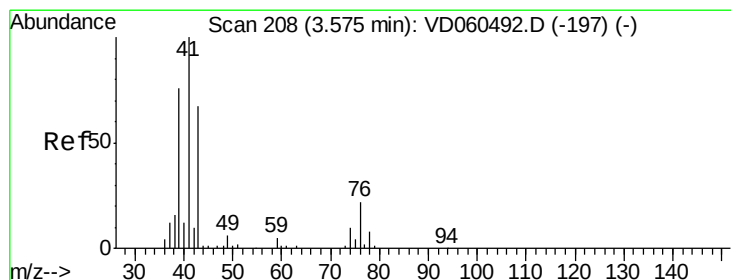
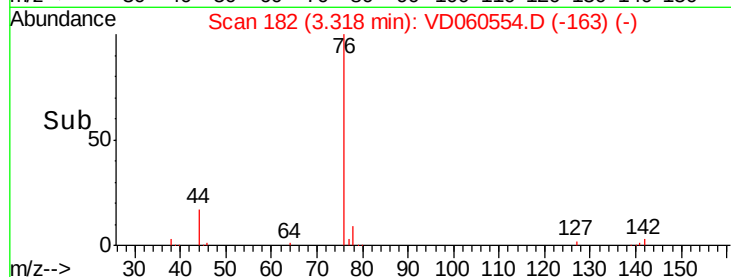
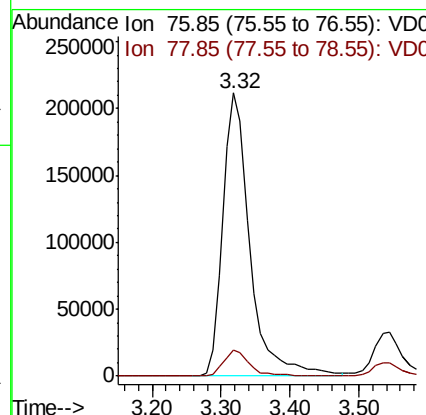
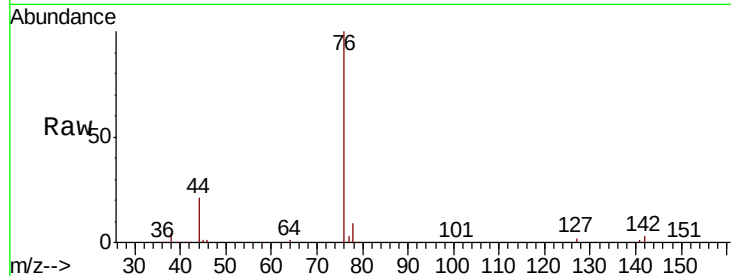




#17
Carbon Disulfide
Concen: 21.806 ug/l
RT: 3.32 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

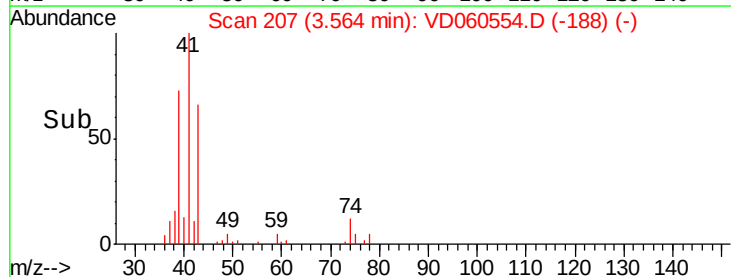
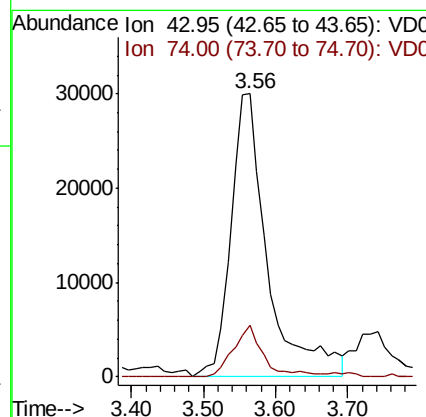
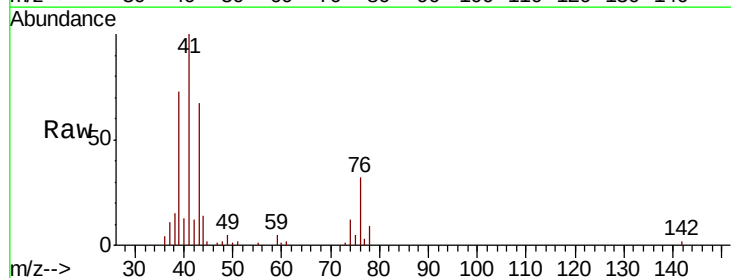
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

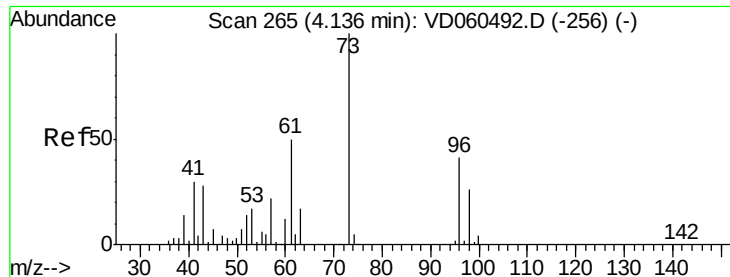
Tgt Ion: 76 Resp: 577089
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 24.147 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion: 43 Resp: 106281
Ion Ratio Lower Upper
43 100
74 18.1 12.0 18.0#





#19

Methyl tert-butyl Ether

Concen: 21.400 ug/l

RT: 4.12 min Scan# 264

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

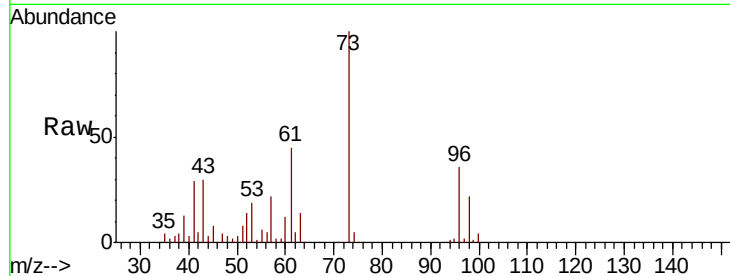
VD1213SBS01

Tgt Ion: 73 Resp: 483516

Ion Ratio Lower Upper

73 100

57 22.2 17.8 26.6



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

4.12

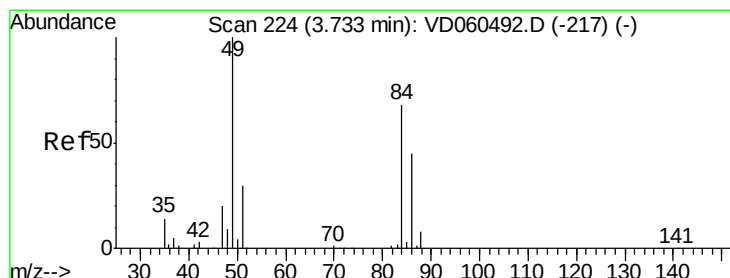
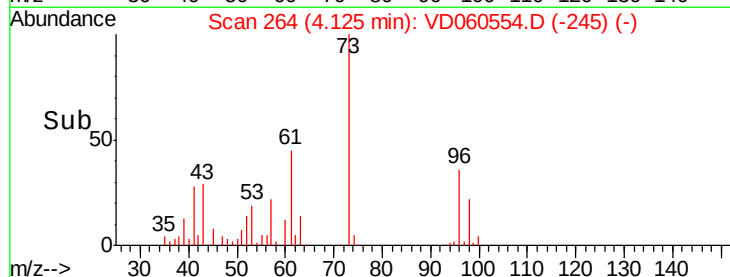
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20 4.30



#20

Methylene Chloride

Concen: 19.930 ug/l

RT: 3.72 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Tgt Ion: 84 Resp: 384648

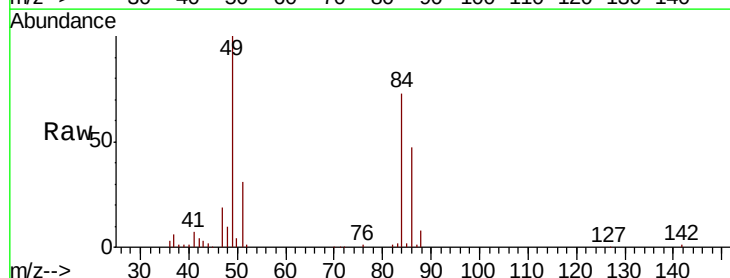
Ion Ratio Lower Upper

84 100

49 137.0 117.2 175.8

51 42.6 35.3 52.9

86 64.1 53.2 79.8



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

250000

200000

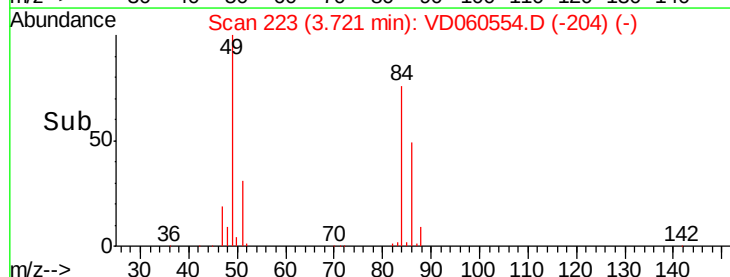
150000

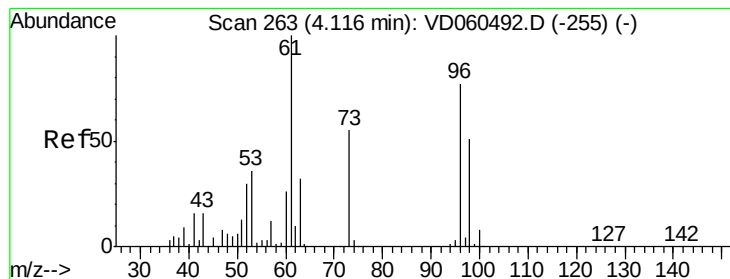
100000

50000

0

Time--> 3.60 3.70 3.80 3.90





#21

trans-1,2-Dichloroethene

Concen: 21.231 ug/l

RT: 4.10 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

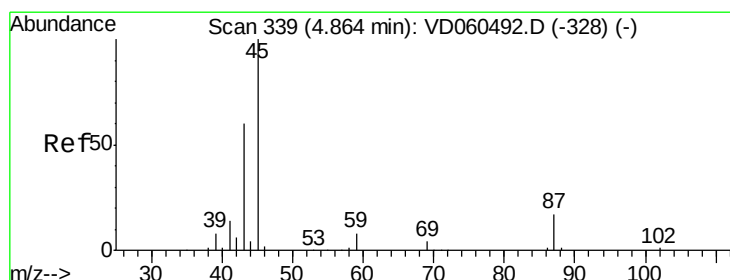
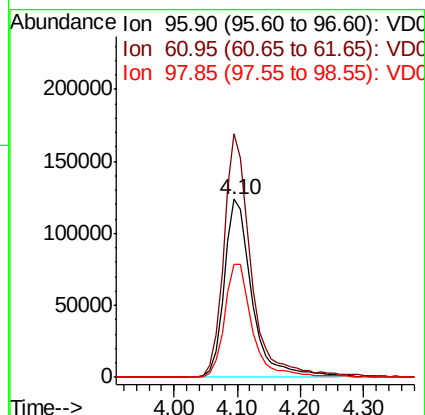
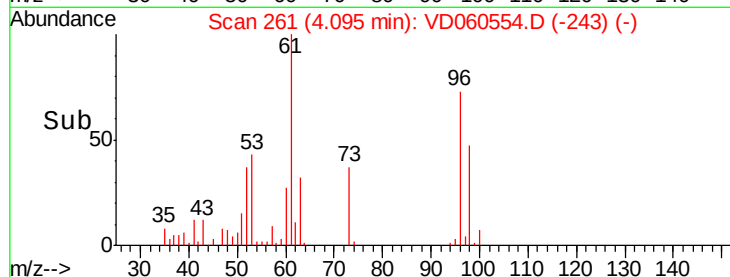
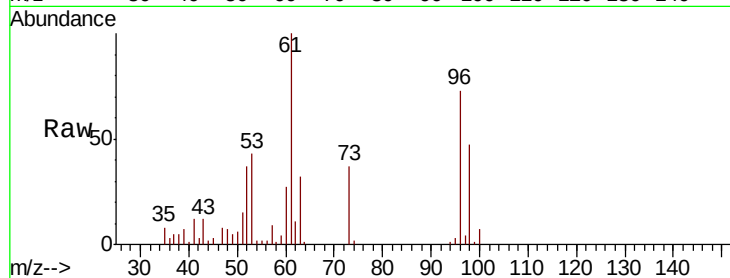
Tgt Ion: 96 Resp: 376273

Ion Ratio Lower Upper

96 100

61 136.8 104.2 156.4

98 63.7 52.8 79.2



#22

Diisopropyl ether

Concen: 21.427 ug/l

RT: 4.84 min Scan# 337

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Tgt Ion: 45 Resp: 1189215

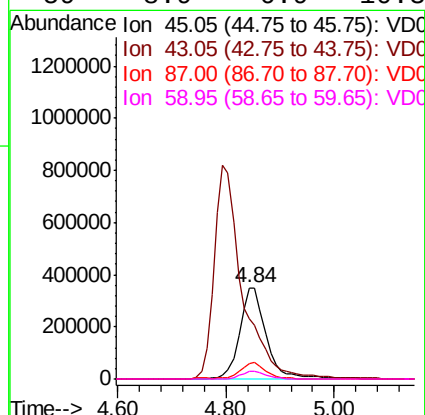
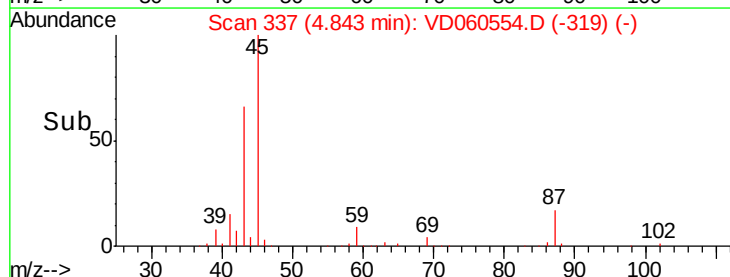
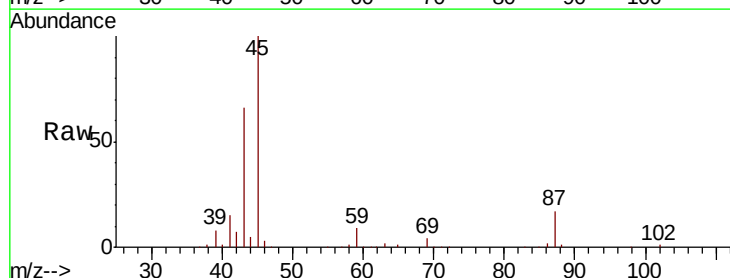
Ion Ratio Lower Upper

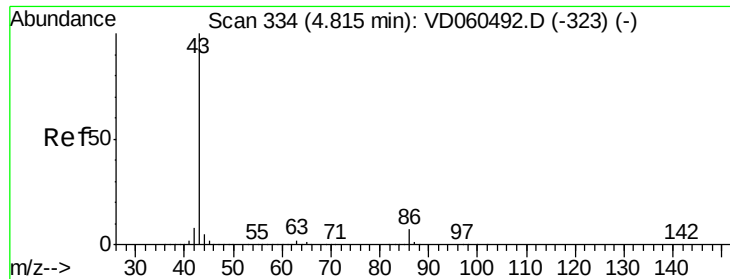
45 100

43 66.4 48.6 73.0

87 17.3 14.0 21.0

59 8.9 6.9 10.3





#23

Vinyl Acetate

Concen: 106.610 ug/l

RT: 4.79 min Scan# 332

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

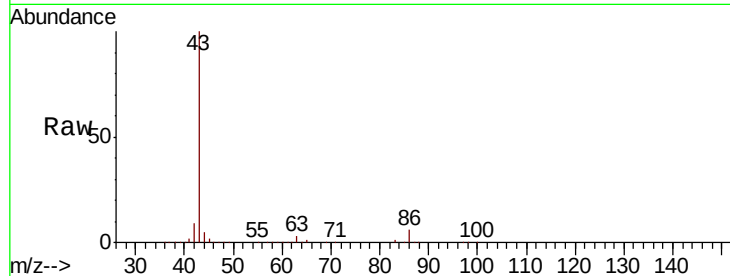
VD1213SBS01

Tgt Ion: 43 Resp: 2931601

Ion Ratio Lower Upper

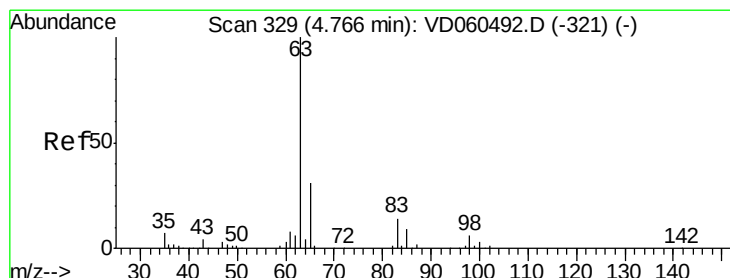
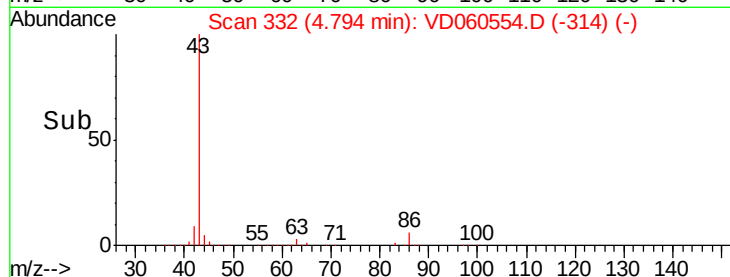
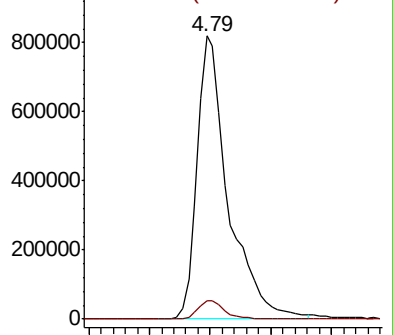
43 100

86 6.3 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.204 ug/l

RT: 4.74 min Scan# 327

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

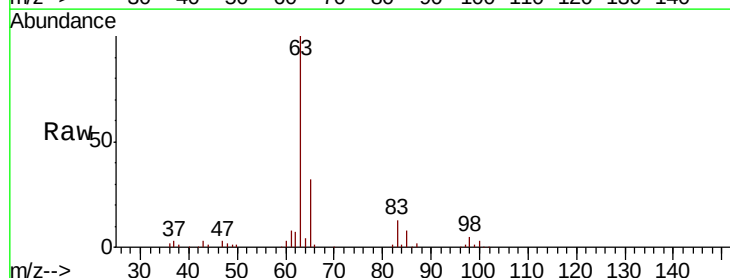
Tgt Ion: 63 Resp: 611384

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.3

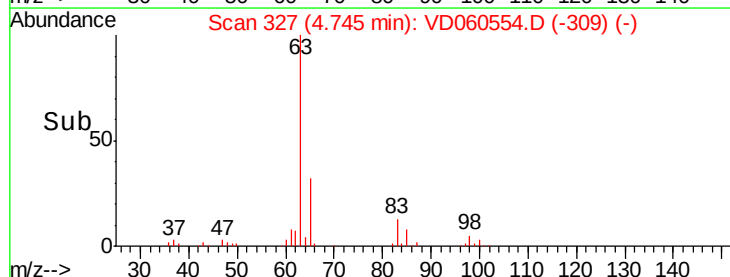
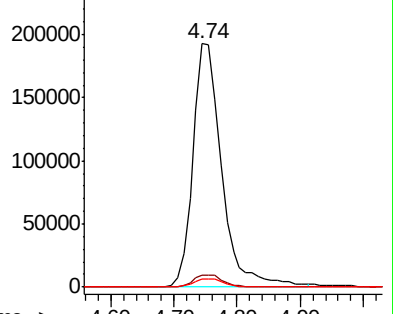
100 3.3 1.7 5.1

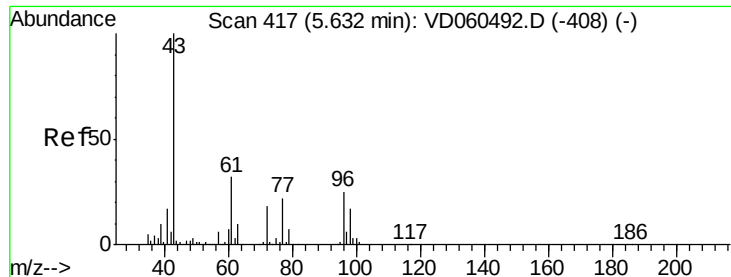


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 98.009 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

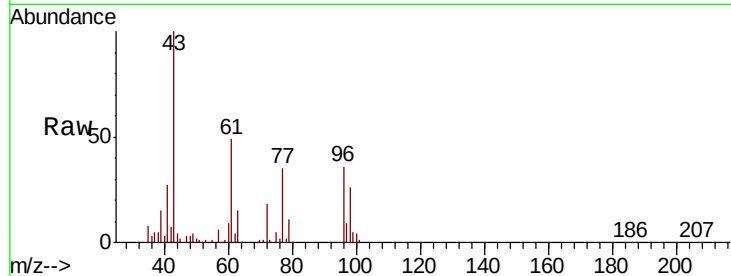
VD1213SBS01

Tgt Ion: 43 Resp: 357102

Ion Ratio Lower Upper

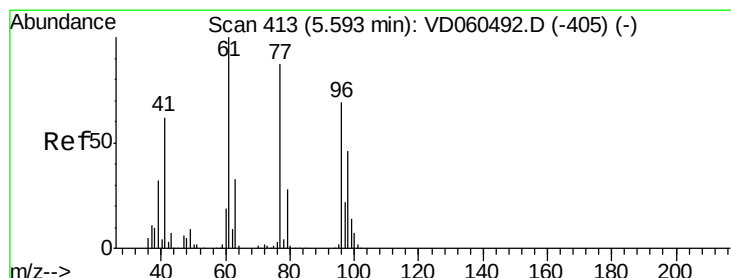
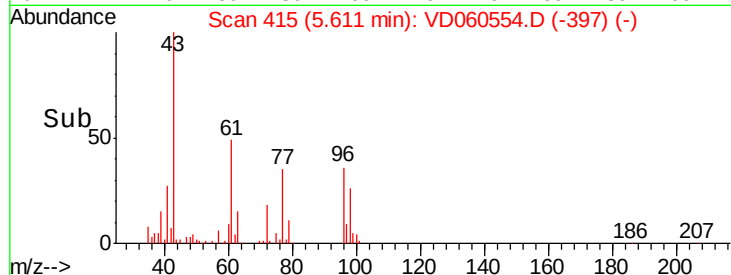
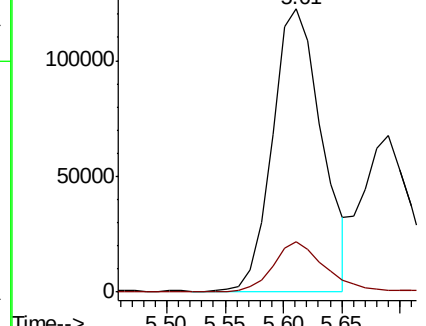
43 100

72 17.6 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.846 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.01 min

Lab File: VD060554.D

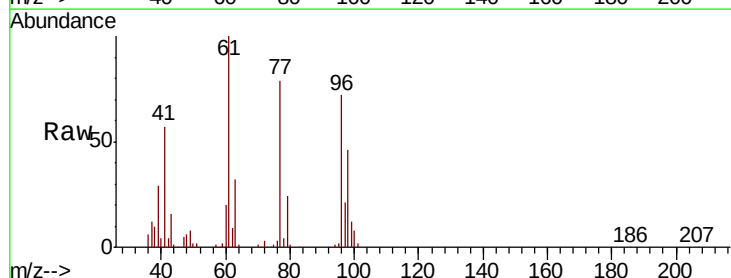
Acq: 13 Dec 2018 12:00

Tgt Ion: 77 Resp: 486587

Ion Ratio Lower Upper

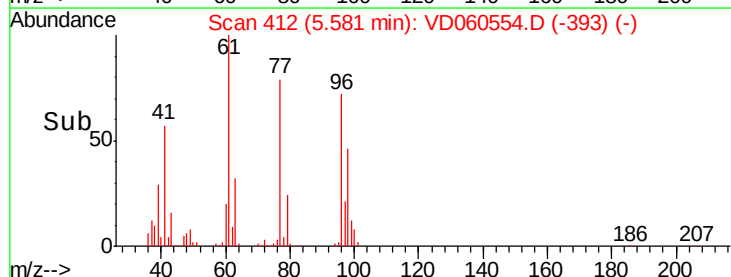
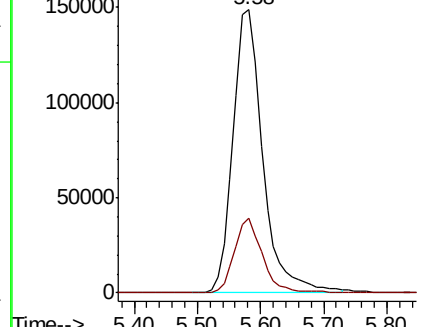
77 100

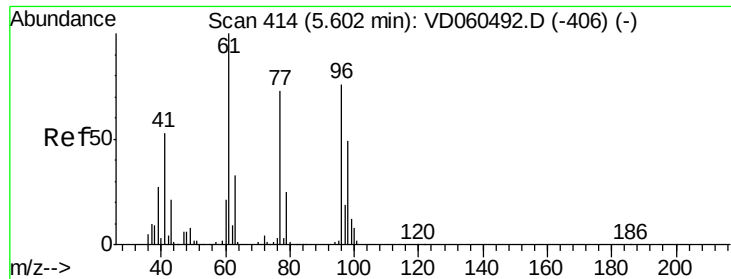
97 26.4 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



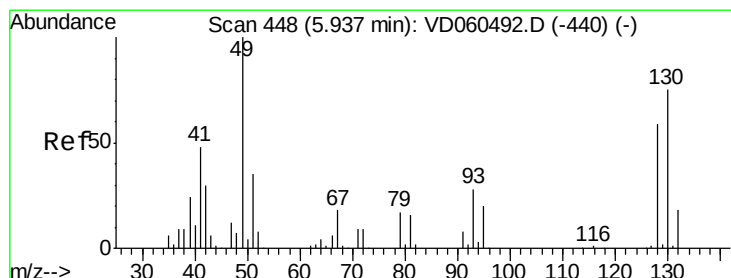
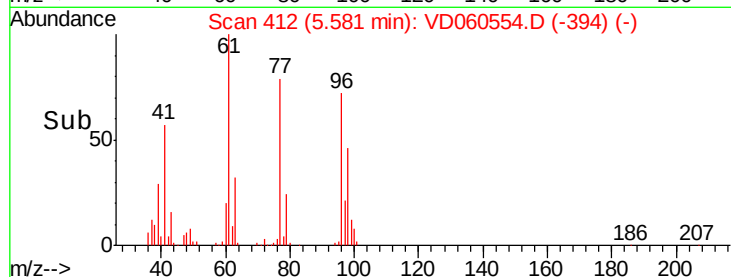
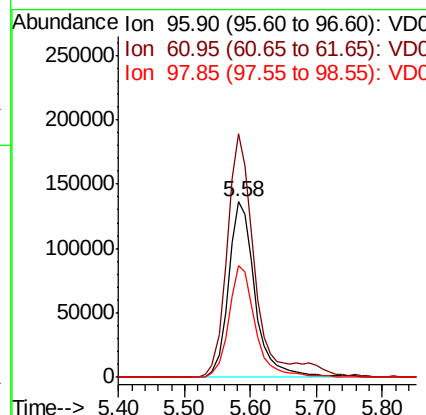
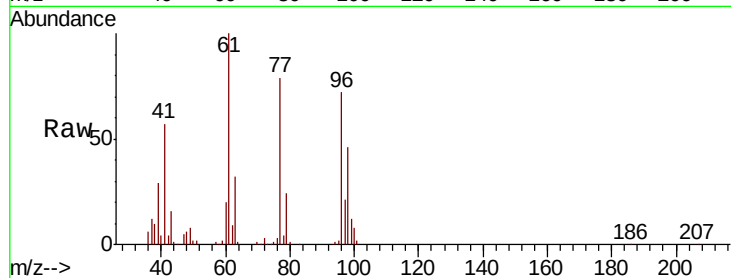


#27

cis-1,2-Dichloroethene
 Concen: 21.395 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. -0.02 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

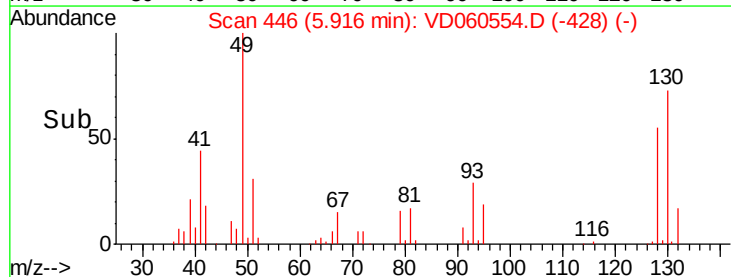
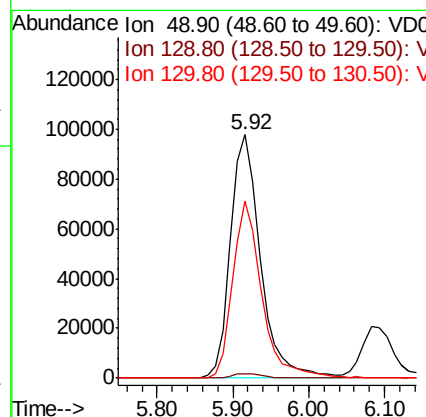
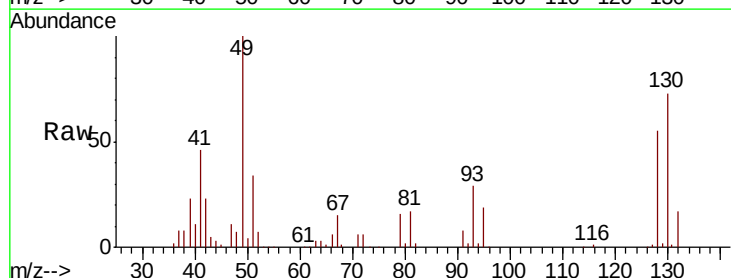
Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	263.6
98	63.8	0.0	128.2

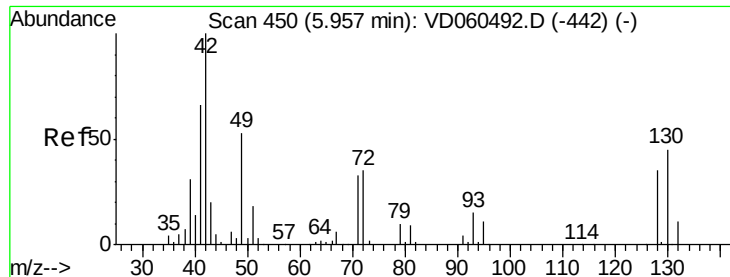


#28

Bromochloromethane
 Concen: 21.061 ug/l
 RT: 5.92 min Scan# 446
 Delta R.T. -0.02 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	72.7	59.8	89.6

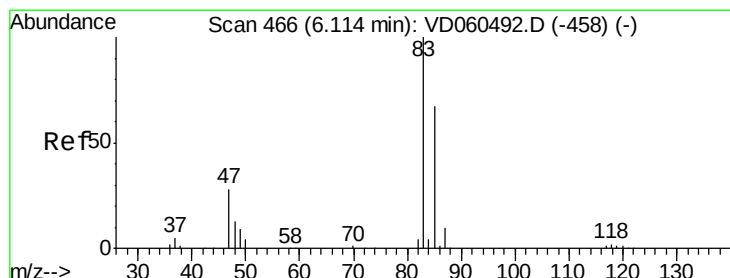
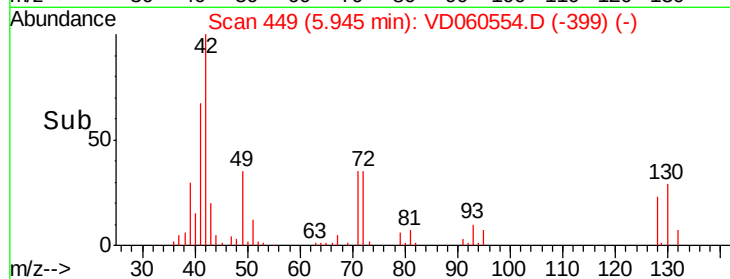
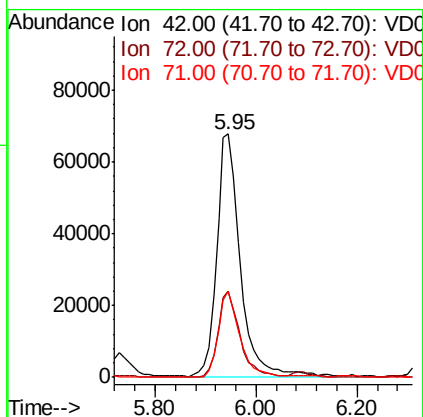
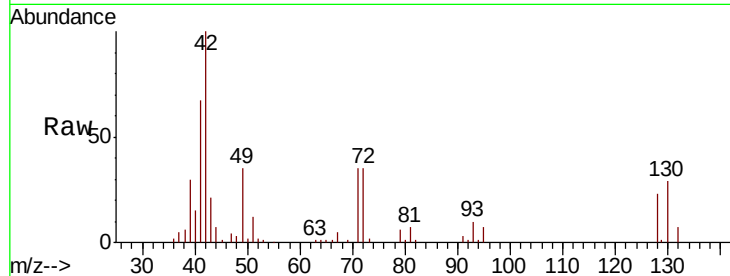




#29
Tetrahydrofuran
Concen: 108.161 ug/l
RT: 5.95 min Scan# 449
Delta R.T. -0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

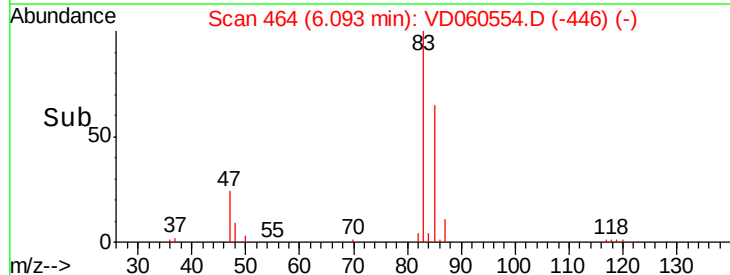
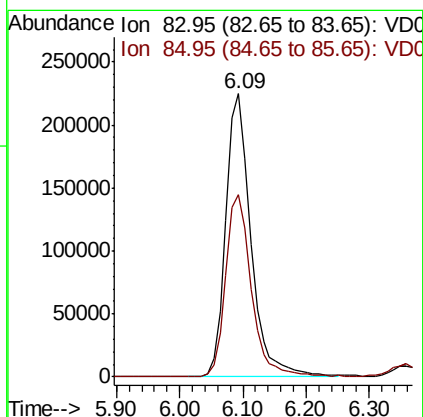
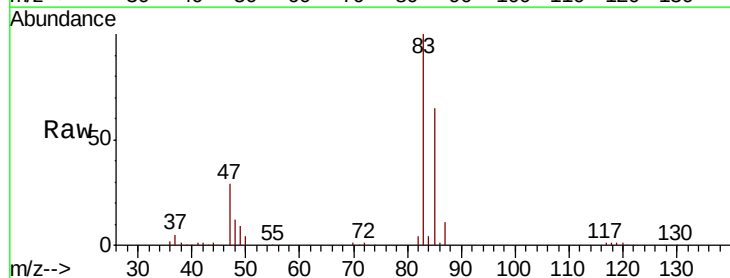
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

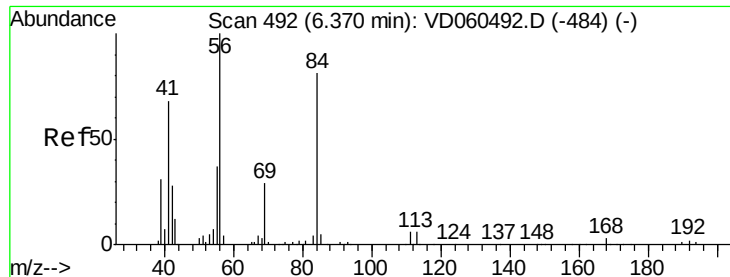
Tgt Ion: 42 Resp: 223165
Ion Ratio Lower Upper
42 100
72 32.6 28.0 42.0
71 32.3 27.2 40.8



#30
Chloroform
Concen: 21.367 ug/l
RT: 6.09 min Scan# 464
Delta R.T. -0.02 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion: 83 Resp: 620658
Ion Ratio Lower Upper
83 100
85 64.5 53.4 80.2

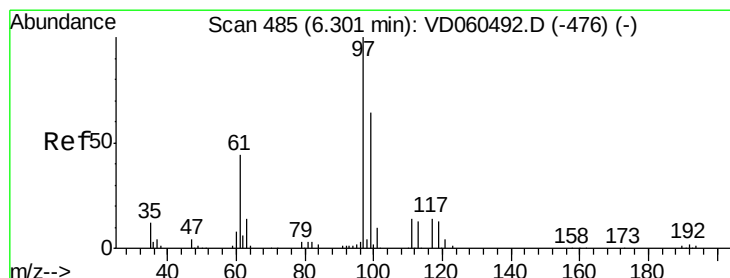
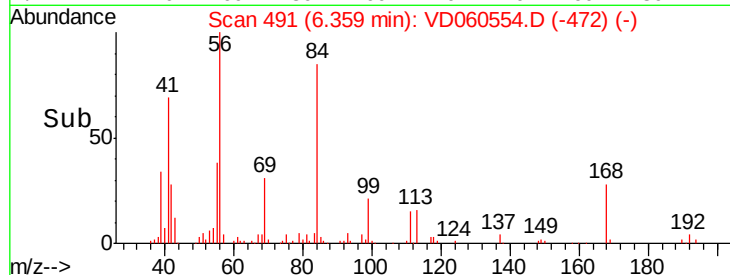
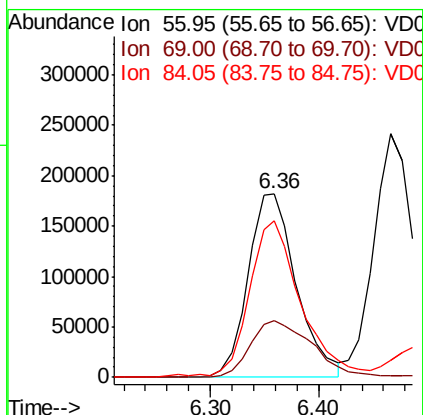
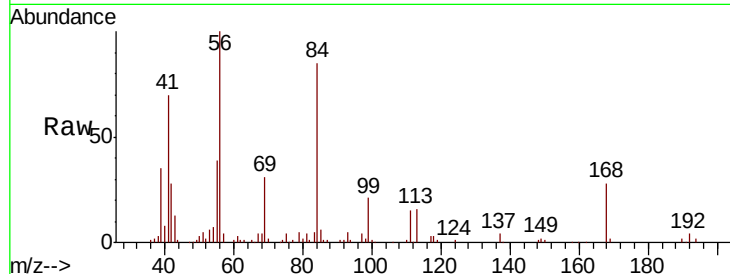




#31
Cyclohexane
Concen: 20.731 ug/l
RT: 6.36 min Scan# 491
Delta R.T. -0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

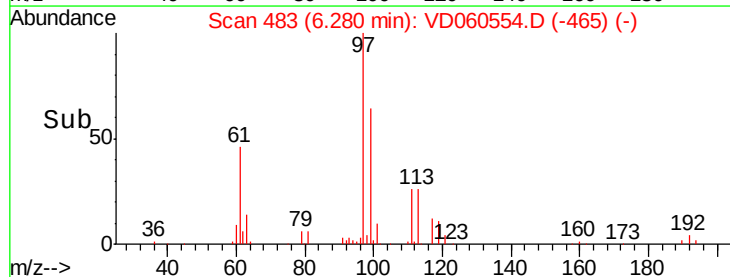
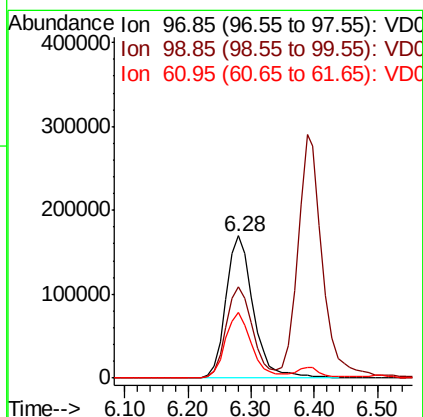
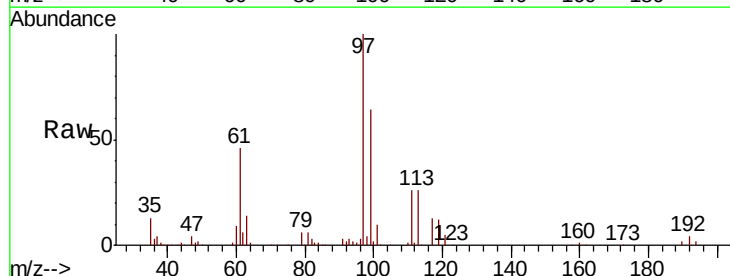
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

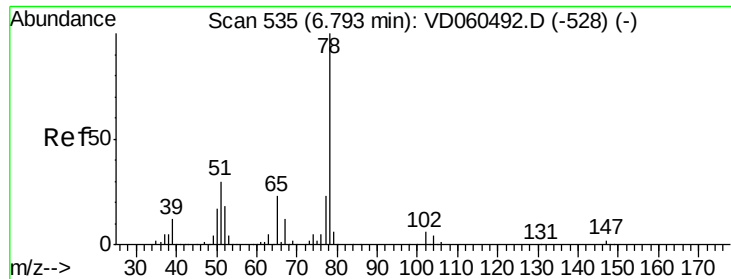
Tgt Ion: 56 Resp: 566432
Ion Ratio Lower Upper
56 100
69 30.8 22.8 34.2
84 85.2 65.1 97.7



#32
1,1,1-Trichloroethane
Concen: 21.199 ug/l
RT: 6.28 min Scan# 483
Delta R.T. -0.02 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion: 97 Resp: 506231
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 45.8 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 21.199 ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

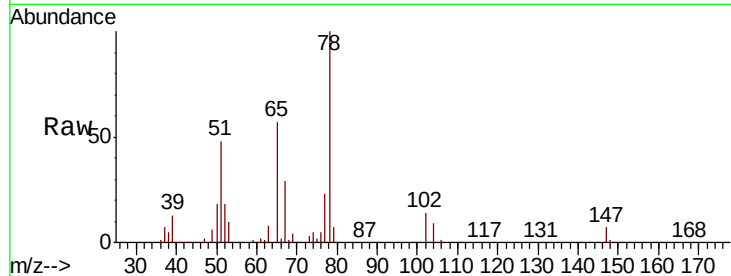
VD1213SBS01

Tgt Ion: 65 Resp: 583579

Ion Ratio Lower Upper

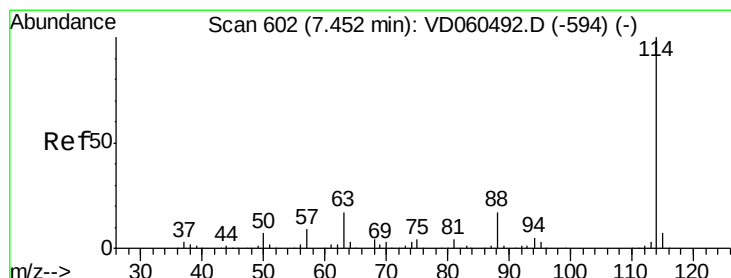
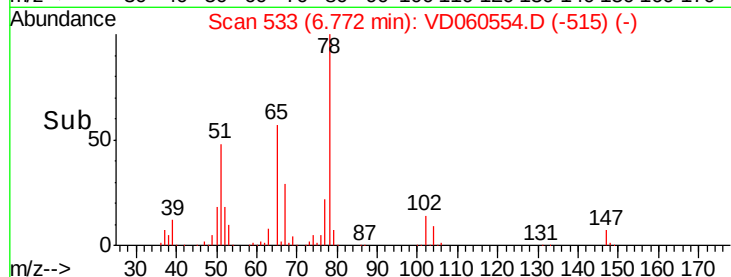
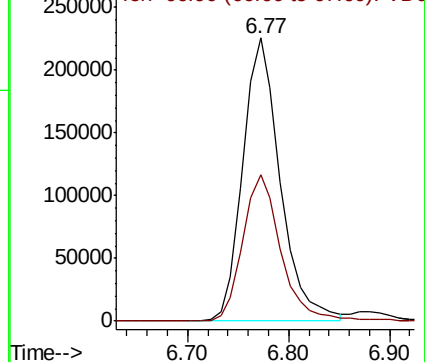
65 100

67 51.6 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

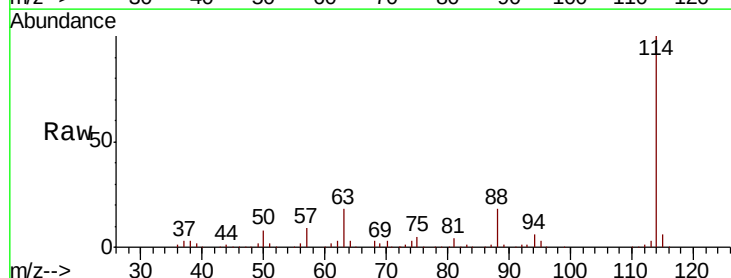
Tgt Ion: 114 Resp: 2243713

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.2

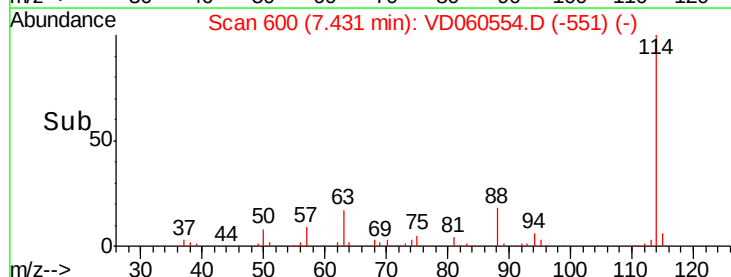
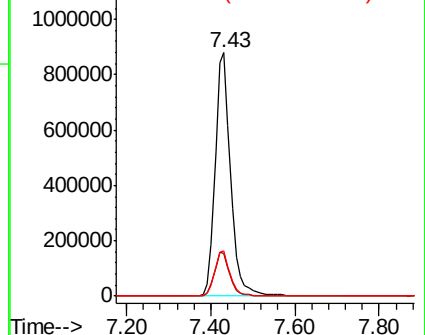
88 18.5 0.0 35.0

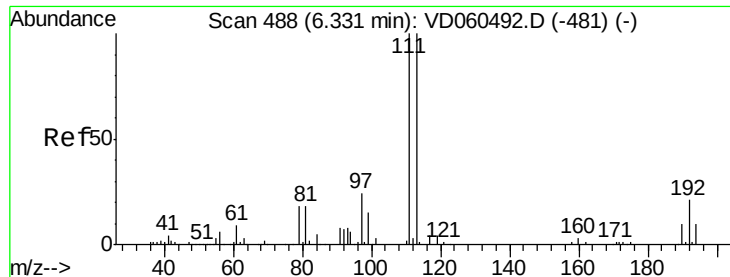


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

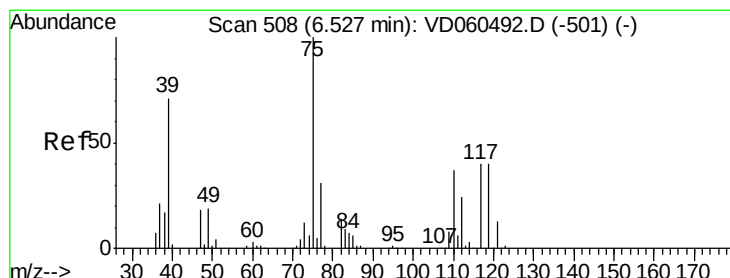
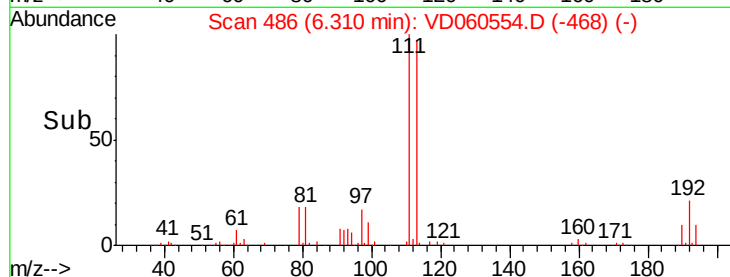
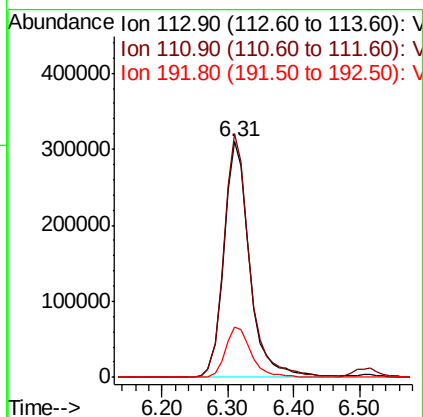
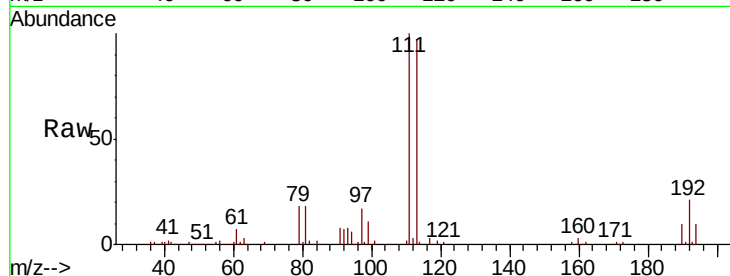




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

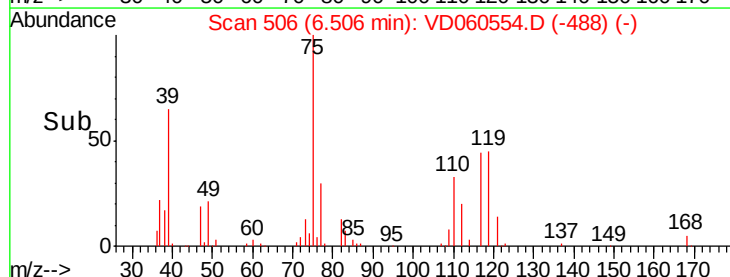
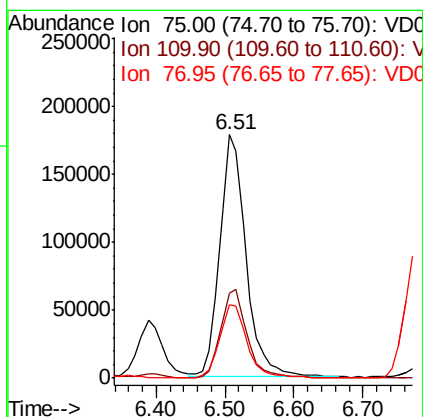
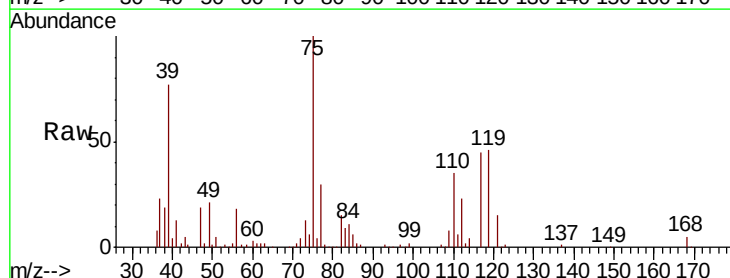
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

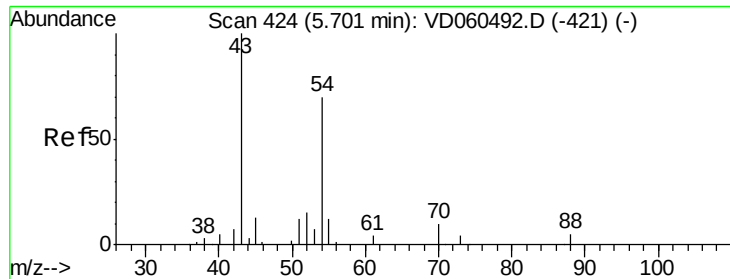
Tgt Ion: 113 Resp: 846176
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.2 120.4
 192 21.3 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 21.472 ug/l
 RT: 6.51 min Scan# 506
 Delta R.T. -0.02 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Tgt Ion: 75 Resp: 470923
 Ion Ratio Lower Upper
 75 100
 110 34.8 18.3 54.8
 77 30.1 24.6 37.0

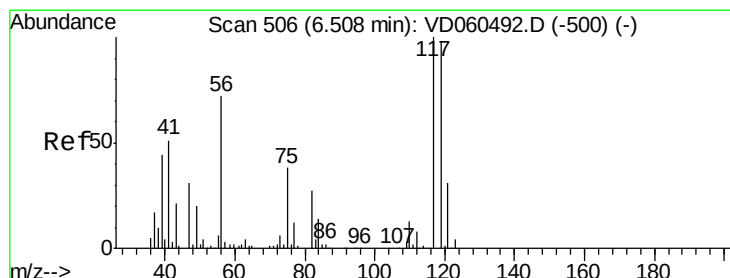
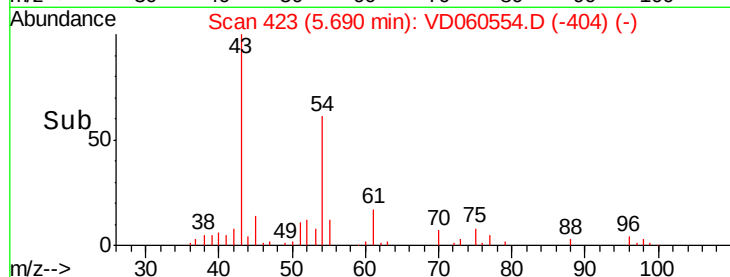
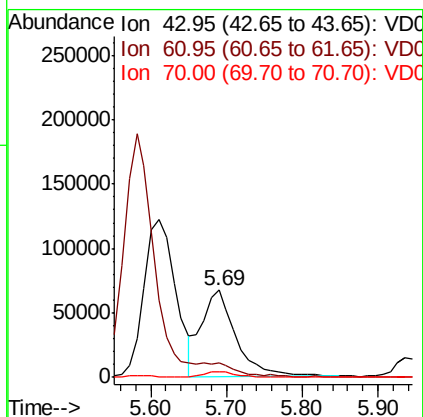
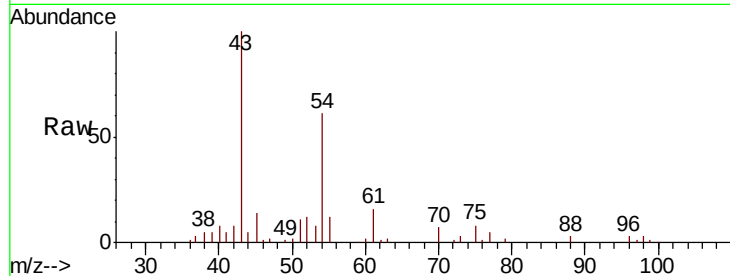




#37
Ethyl Acetate
Concen: 22.064 ug/l
RT: 5.69 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

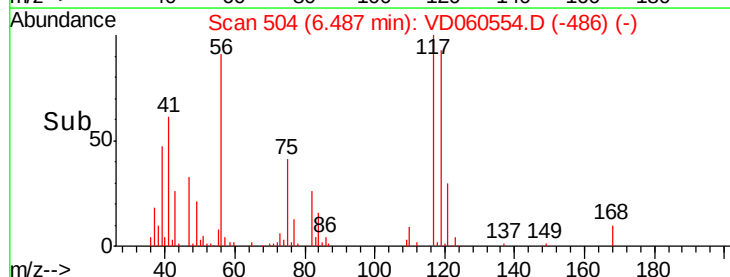
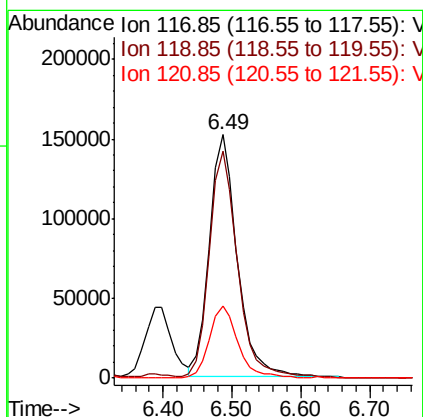
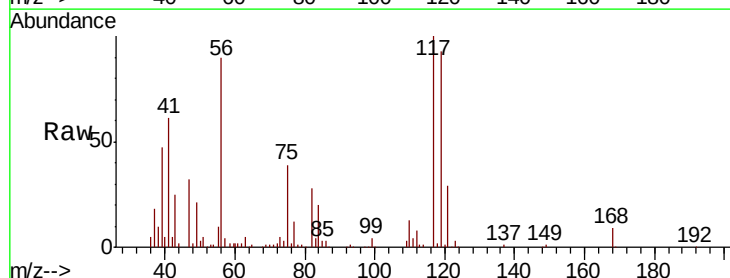
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

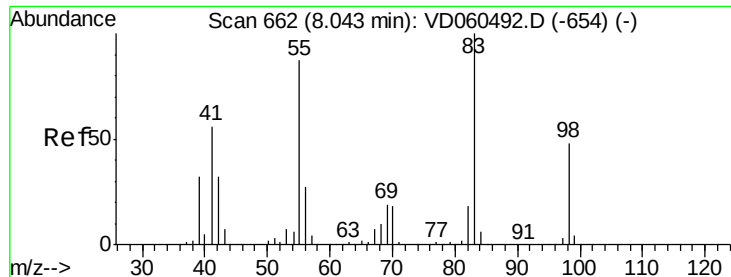
Tgt Ion: 43 Resp: 209865
Ion Ratio Lower Upper
43 100
61 16.4 12.4 18.6
70 7.0 5.4 8.0



#38
Carbon Tetrachloride
Concen: 21.722 ug/l
RT: 6.49 min Scan# 504
Delta R.T. -0.02 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion: 117 Resp: 427695
Ion Ratio Lower Upper
117 100
119 93.2 76.8 115.2
121 29.5 24.4 36.6

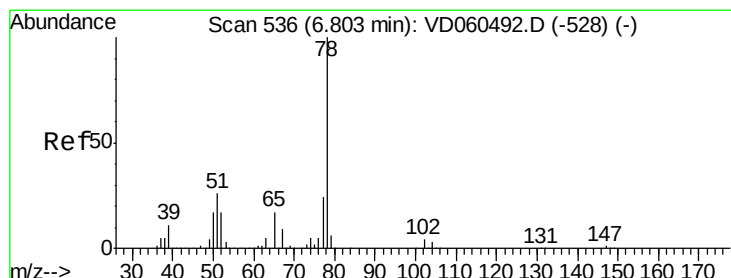
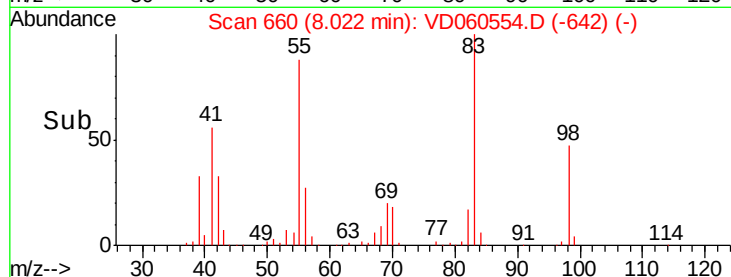
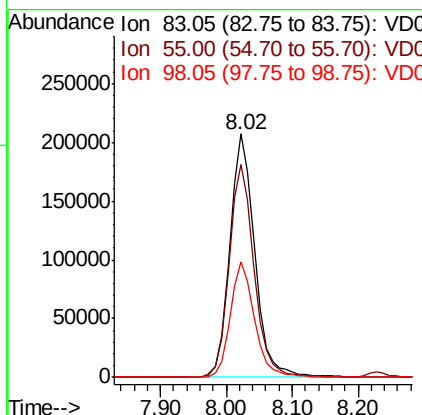
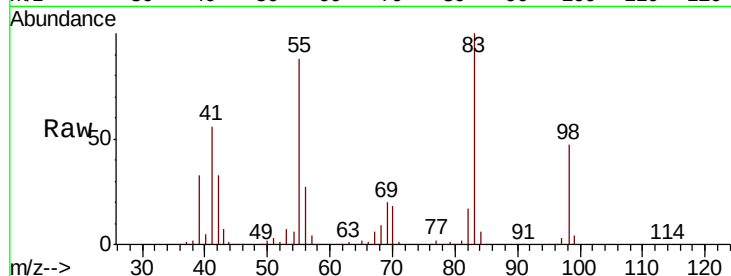




#39
Methylcyclohexane
Concen: 21.988 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.02 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

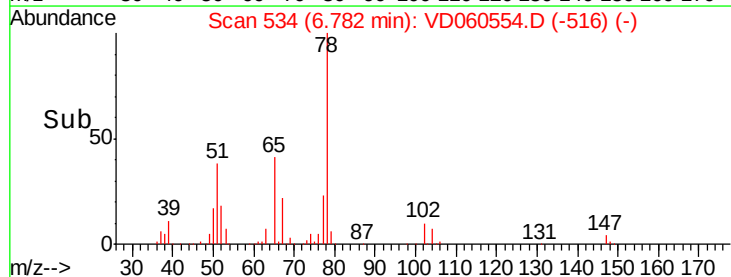
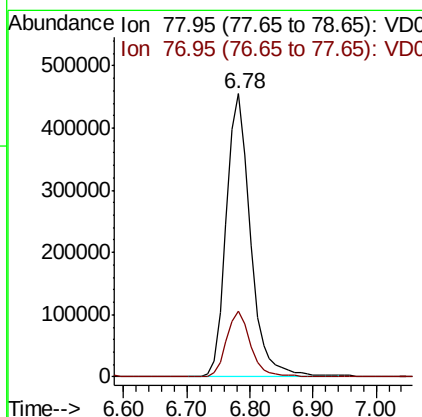
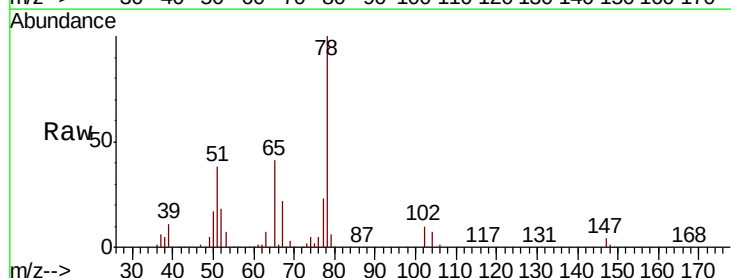
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

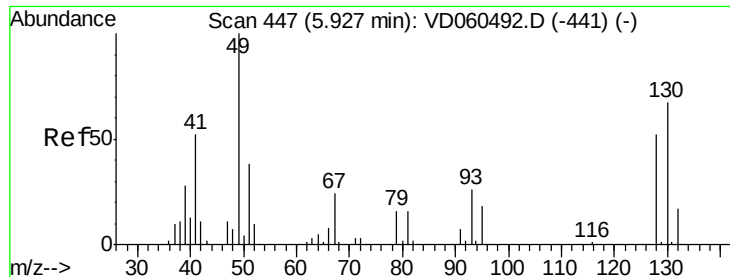
Tgt Ion: 83 Resp: 549732
Ion Ratio Lower Upper
83 100
55 87.5 69.8 104.8
98 47.5 38.4 57.6



#40
Benzene
Concen: 21.632 ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.02 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion: 78 Resp: 1212483
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3

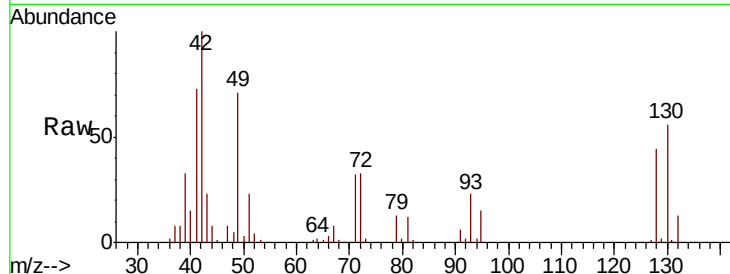




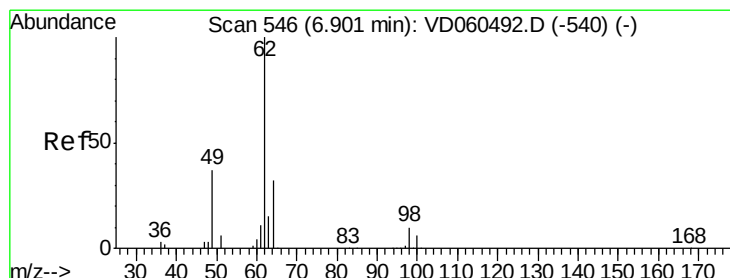
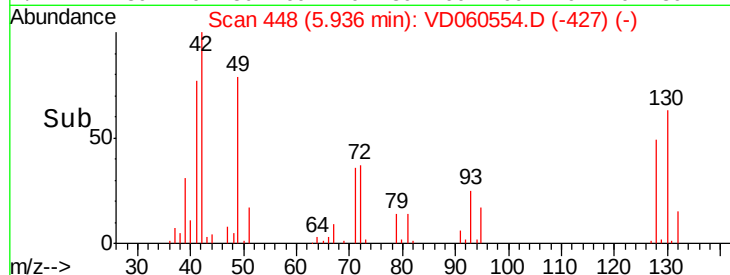
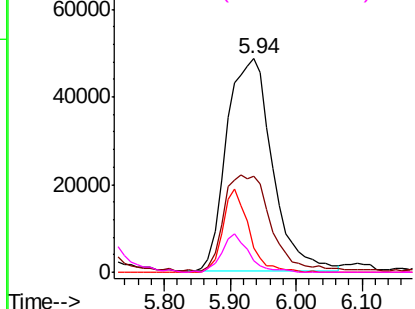
#41
Methacrylonitrile
Concen: 45.643 ug/l
RT: 5.94 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tgt Ion: 41 Resp: 234026
Ion Ratio Lower Upper
41 100
39 44.7 42.6 63.8
67 11.5 36.2 54.4#
52 5.4 15.6 23.4#

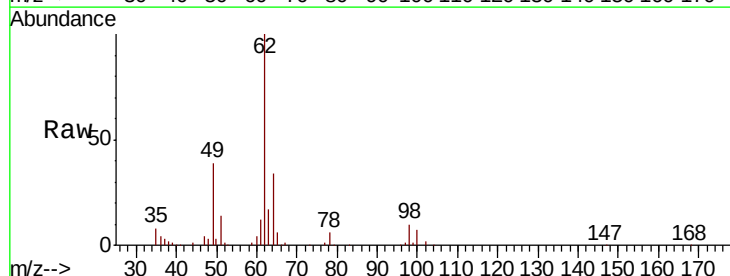


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

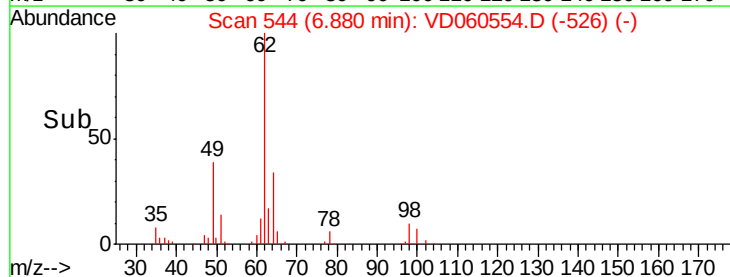
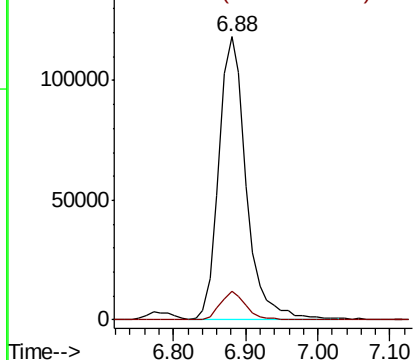


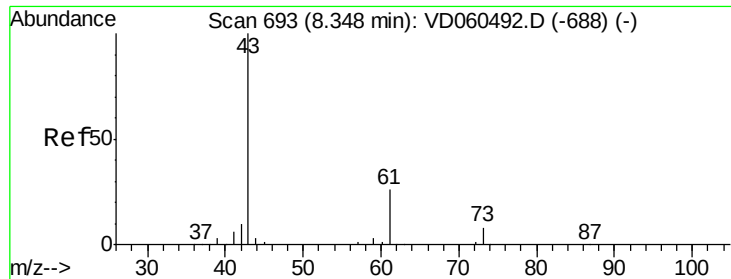
#42
1,2-Dichloroethane
Concen: 21.592 ug/l
RT: 6.88 min Scan# 544
Delta R.T. -0.02 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion: 62 Resp: 307717
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.961 ug/l

RT: 8.33 min Scan# 691

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

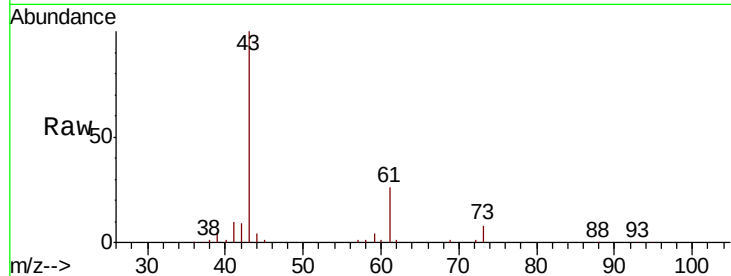
Tgt Ion: 43 Resp: 246104

Ion Ratio Lower Upper

43 100

61 25.9 21.0 31.4

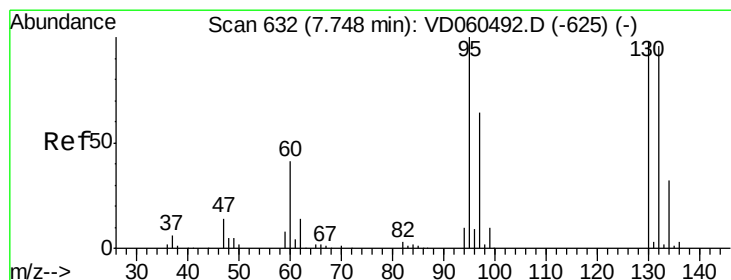
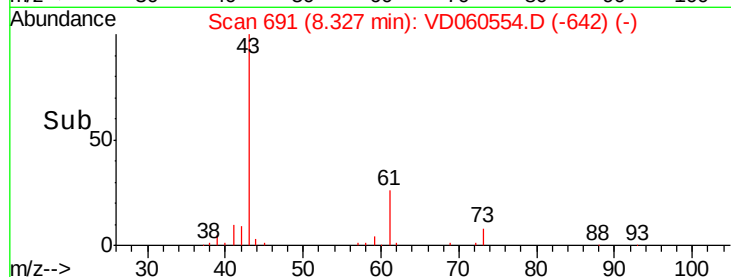
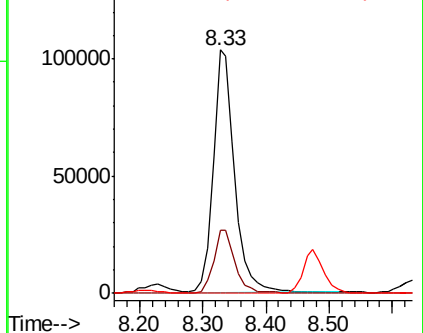
87 0.0 0.2 0.2#



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: 21.567 ug/l

RT: 7.73 min Scan# 630

Delta R.T. -0.02 min

Lab File: VD060554.D

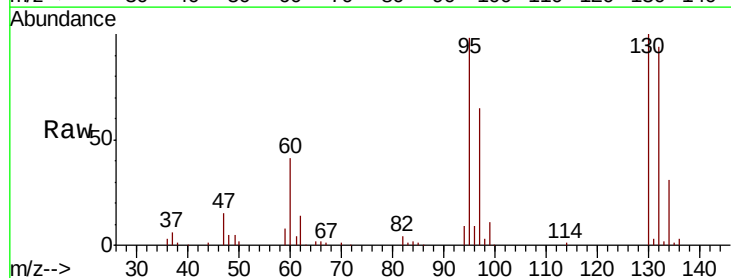
Acq: 13 Dec 2018 12:00

Tgt Ion: 130 Resp: 361273

Ion Ratio Lower Upper

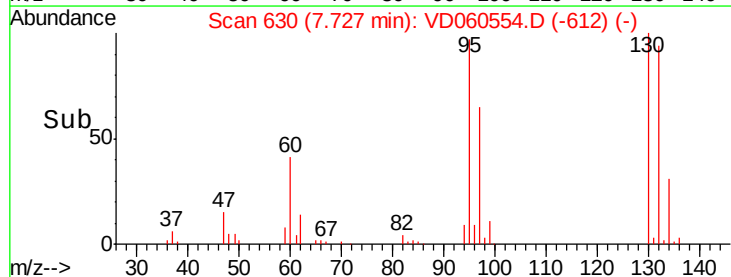
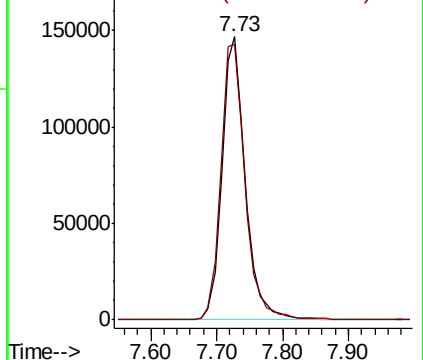
130 100

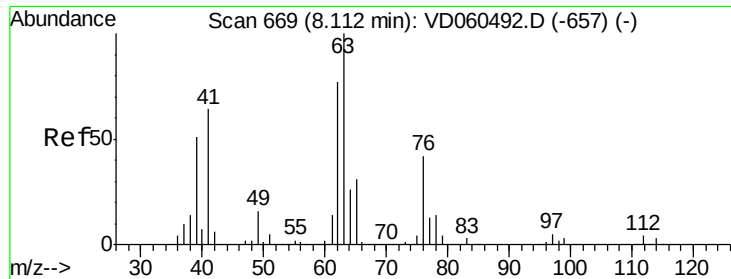
95 97.5 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

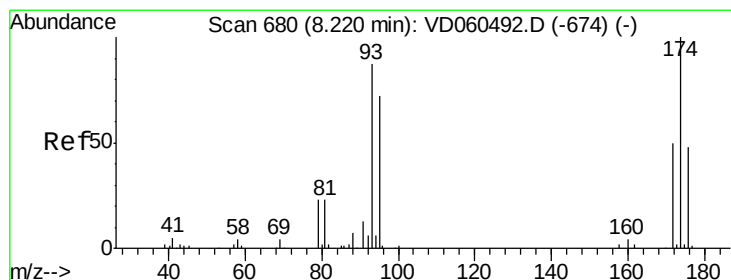
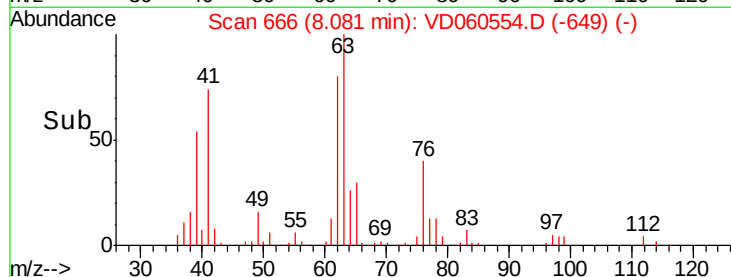
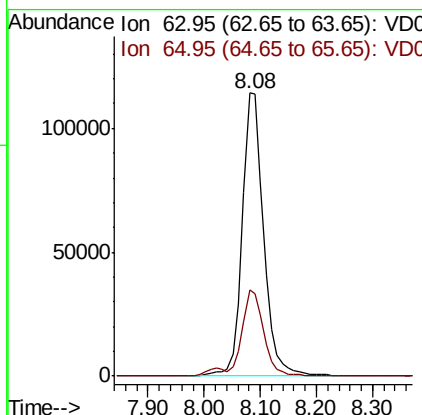
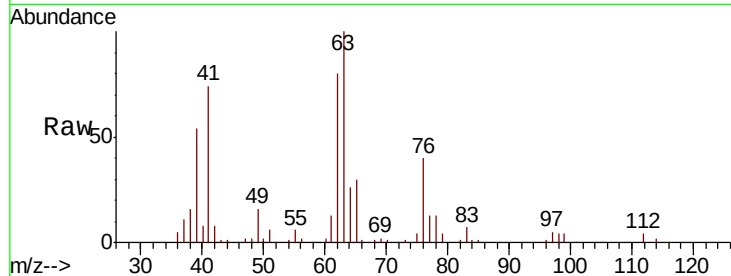




#45
 1,2-Dichloropropane
 Concen: 21.789 ug/l
 RT: 8.08 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

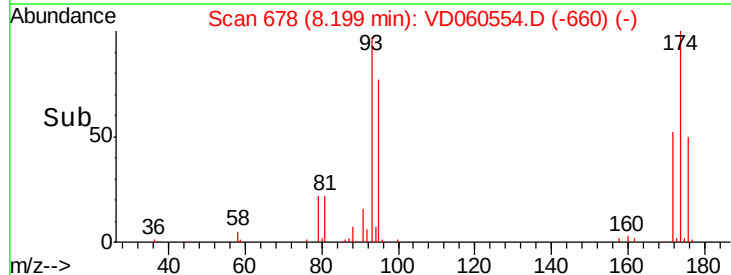
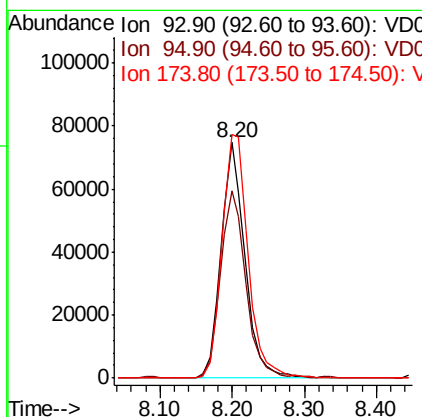
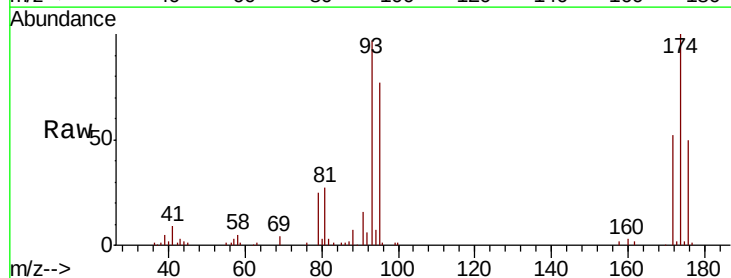
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

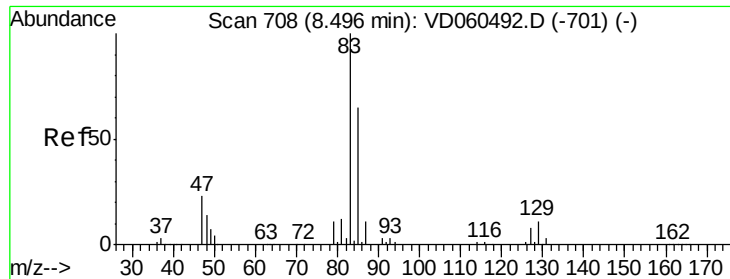
Tgt Ion: 63 Resp: 302052
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 37.0



#46
 Dibromomethane
 Concen: 21.227 ug/l
 RT: 8.20 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Tgt Ion: 93 Resp: 170016
 Ion Ratio Lower Upper
 93 100
 95 79.8 65.6 98.4
 174 103.4 91.7 137.5





#47

Bromodichloromethane

Concen: 21.592 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

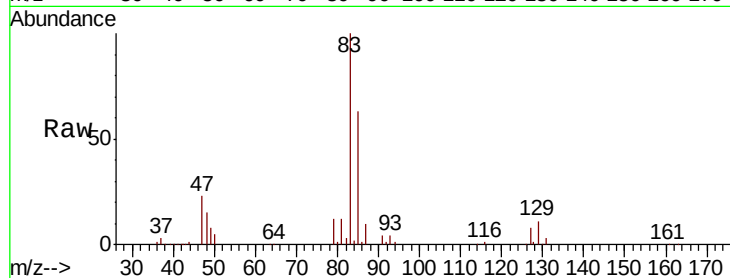
Tgt Ion: 83 Resp: 410351

Ion Ratio Lower Upper

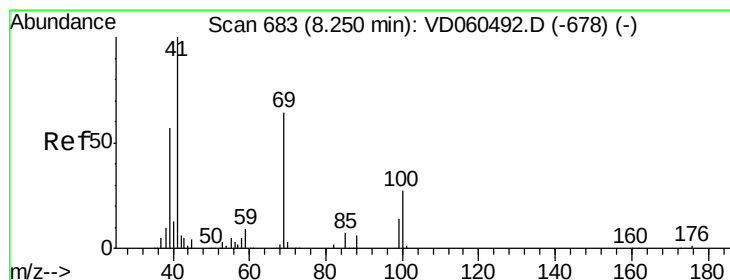
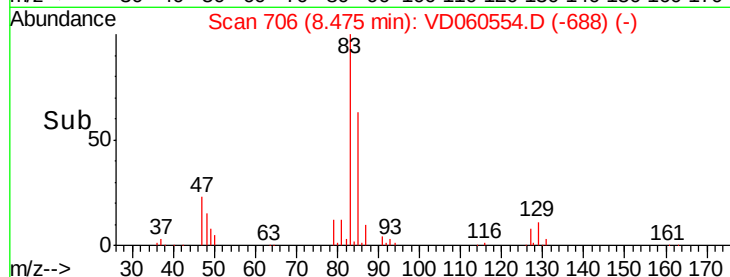
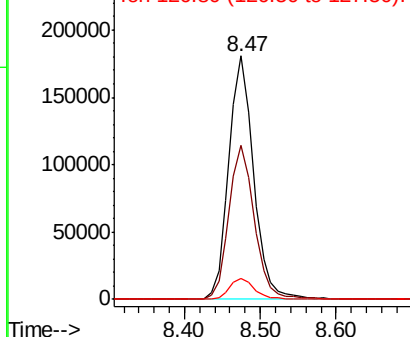
83 100

85 63.4 52.2 78.4

127 8.4 6.7 10.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 22.001 ug/l

RT: 8.23 min Scan# 681

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

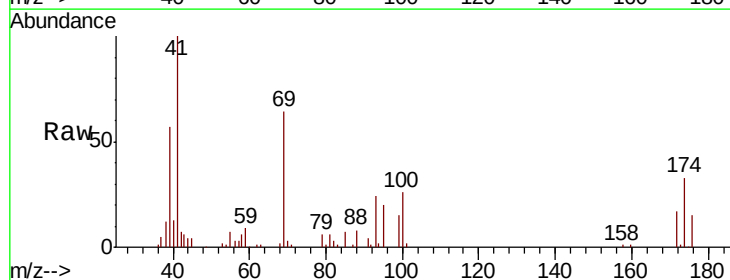
Tgt Ion: 41 Resp: 152846

Ion Ratio Lower Upper

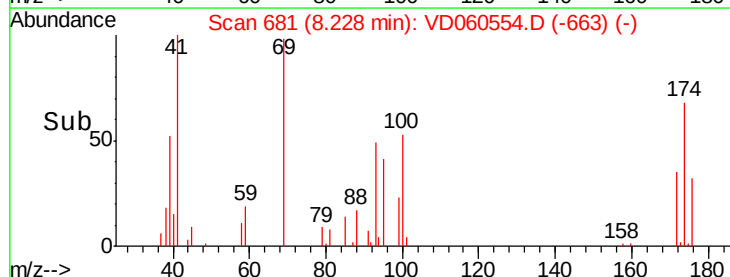
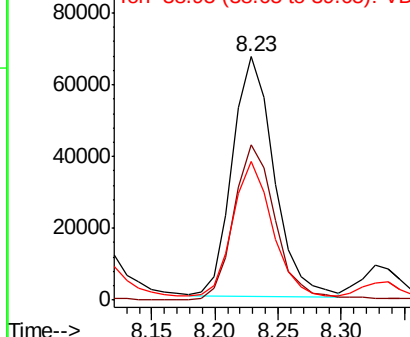
41 100

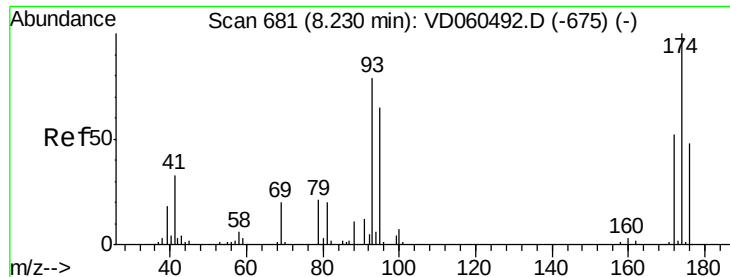
69 63.8 50.2 75.4

39 56.8 46.1 69.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

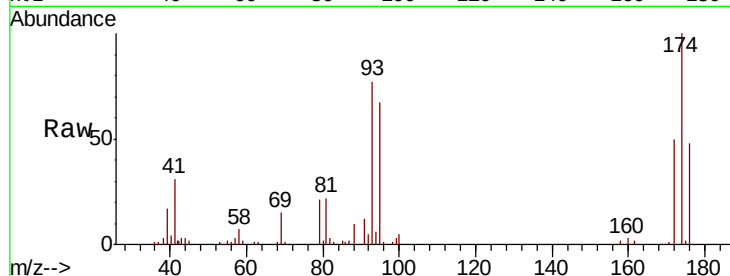




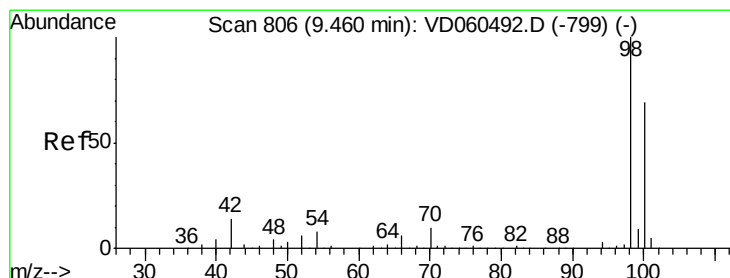
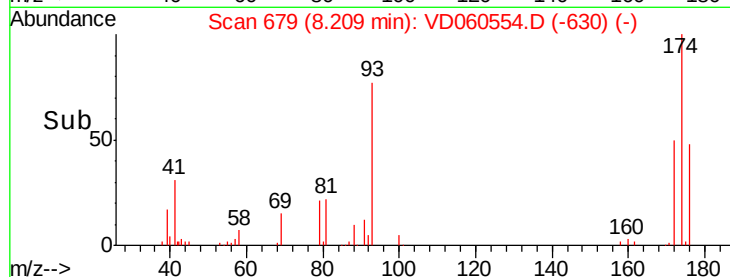
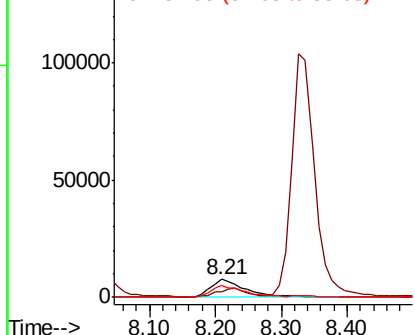
#49
1,4-Dioxane
Concen: 438.164 ug/l
RT: 8.21 min Scan# 679
Delta R.T. -0.02 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tgt Ion: 88 Resp: 27589
Ion Ratio Lower Upper
88 100
43 33.7 32.9 49.3
58 70.0 47.7 71.5

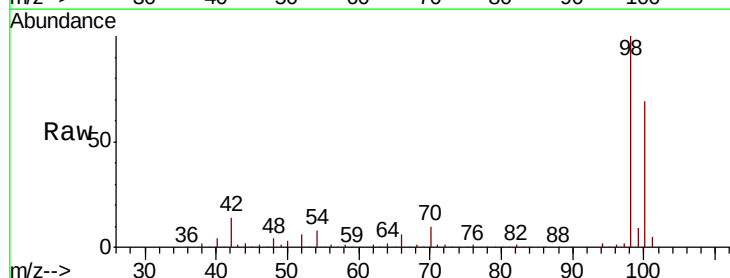


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

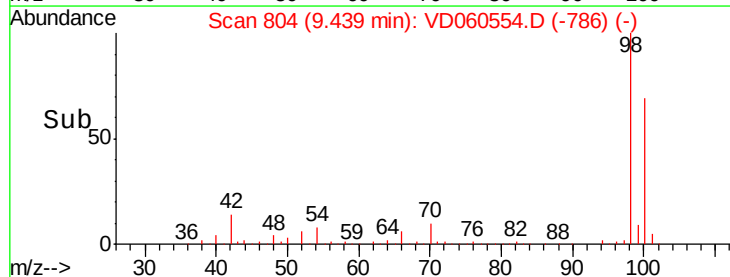
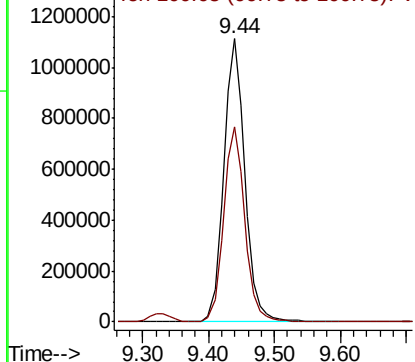


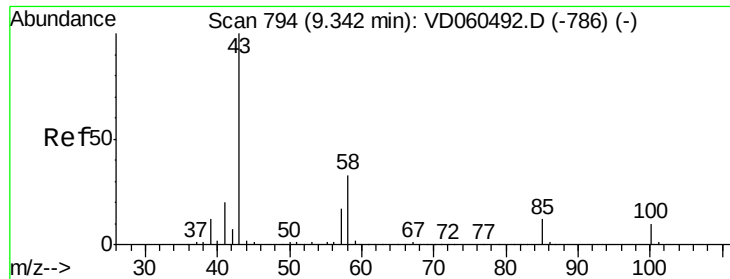
#50
Toluene-d8
Concen: 438.164 ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.02 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion: 98 Resp: 2490133
Ion Ratio Lower Upper
98 100
100 68.7 55.7 83.5



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





#51

4-Methyl-2-Pentanone

Concen: 107.404 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

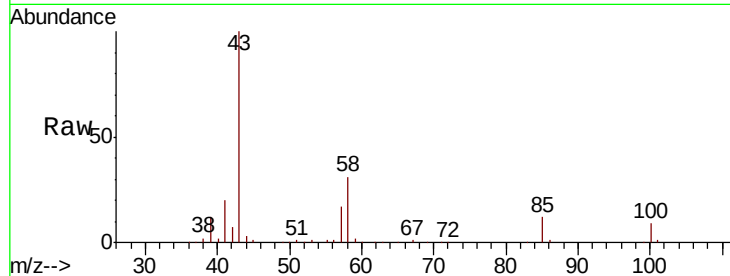
VD1213SBS01

Tgt Ion: 43 Resp: 784431

Ion Ratio Lower Upper

43 100

58 31.0 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.32

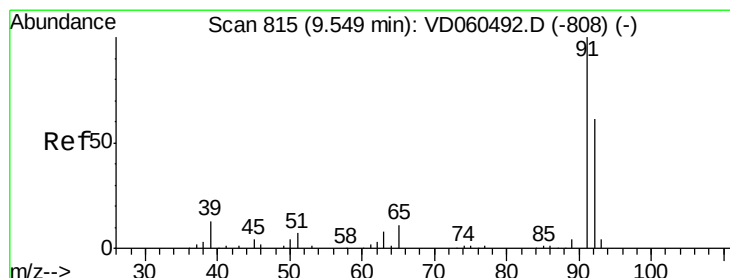
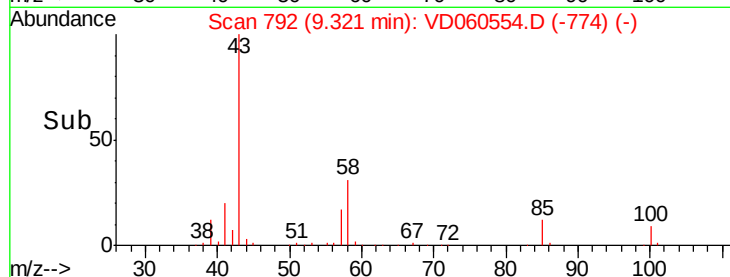
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.872 ug/l

RT: 9.53 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD060554.D

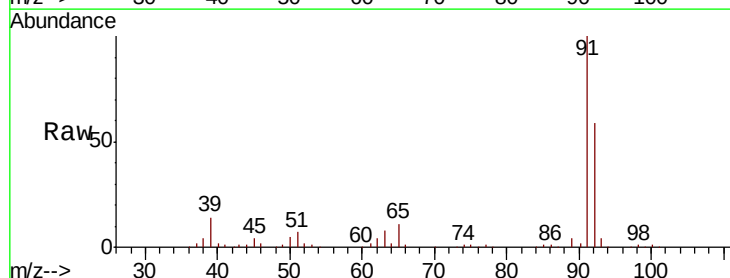
Acq: 13 Dec 2018 12:00

Tgt Ion: 92 Resp: 766257

Ion Ratio Lower Upper

92 100

91 168.4 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

600000

500000

400000

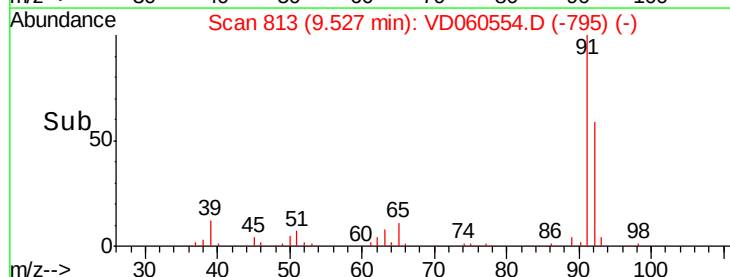
300000

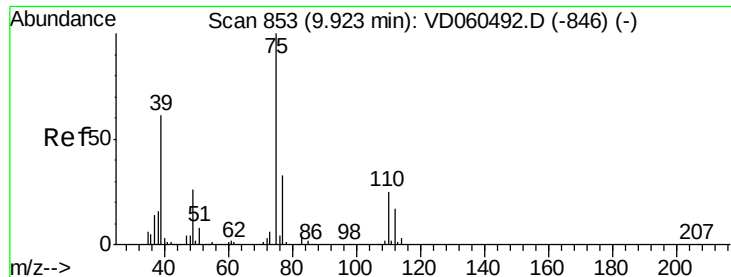
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.379 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

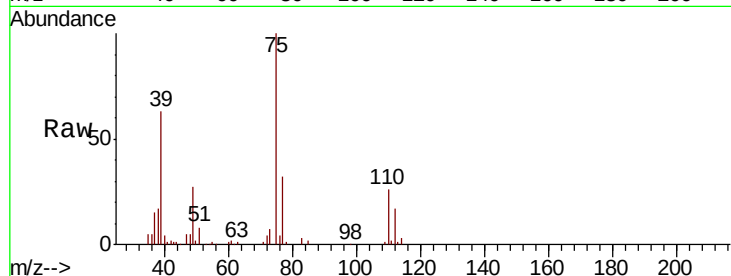
VD1213SBS01

Tgt Ion: 75 Resp: 333857

Ion Ratio Lower Upper

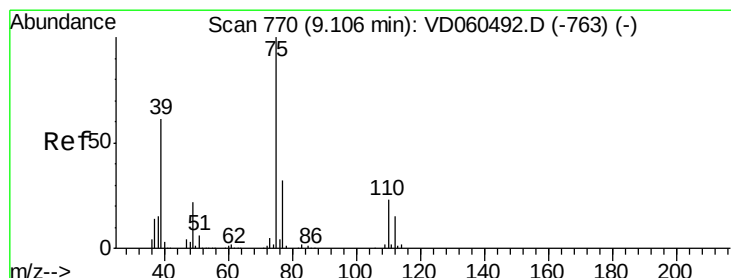
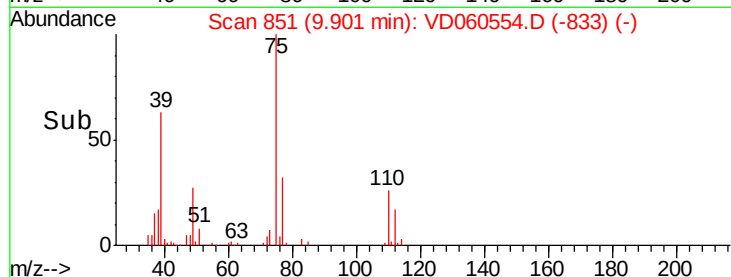
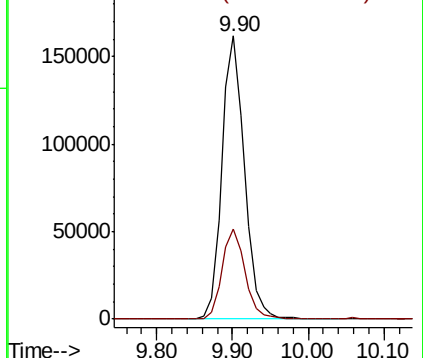
75 100

77 31.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.908 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

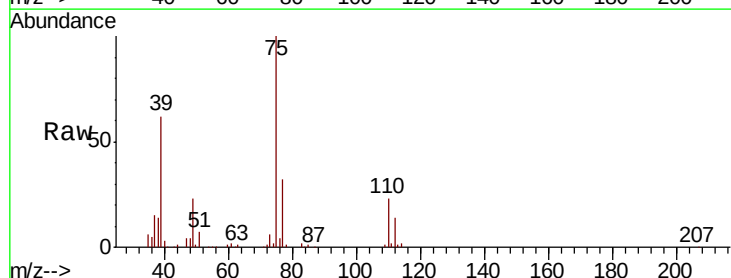
Tgt Ion: 75 Resp: 449477

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

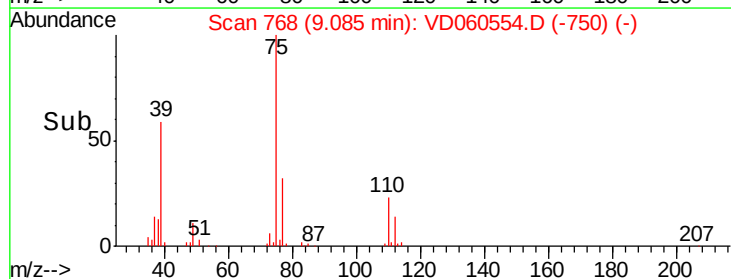
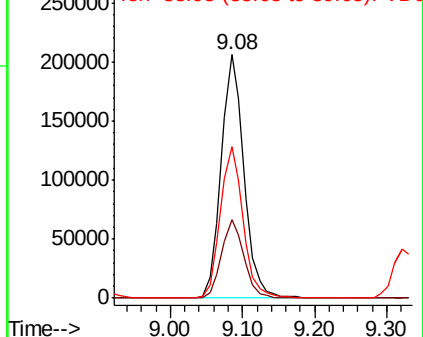
39 62.5 48.6 73.0

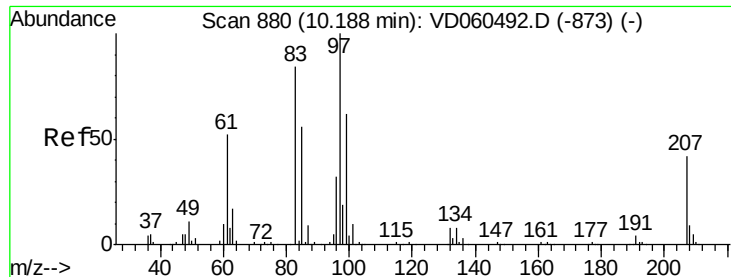


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

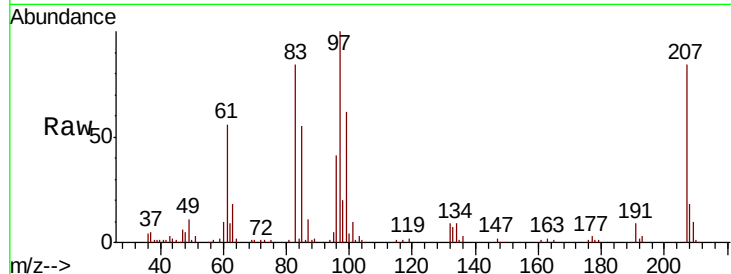




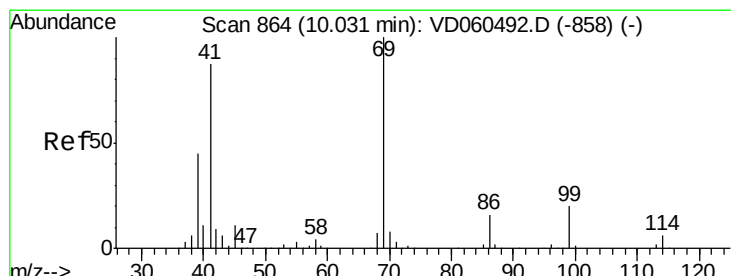
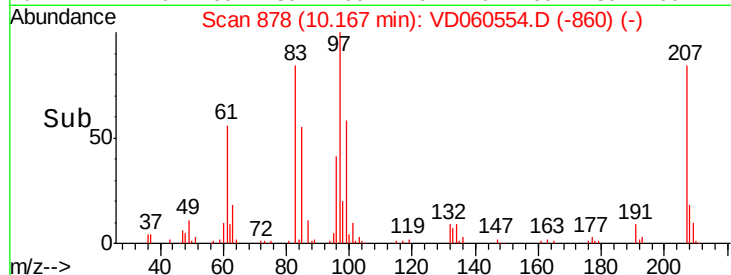
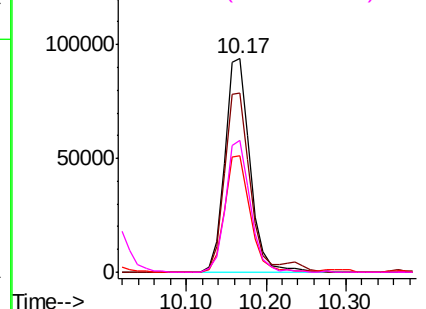
#55
 1,1,2-Trichloroethane
 Concen: 21.431 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tgt Ion:	97	Resp:	209086
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.2	100.8
85	54.6	44.5	66.7
99	61.8	49.3	73.9

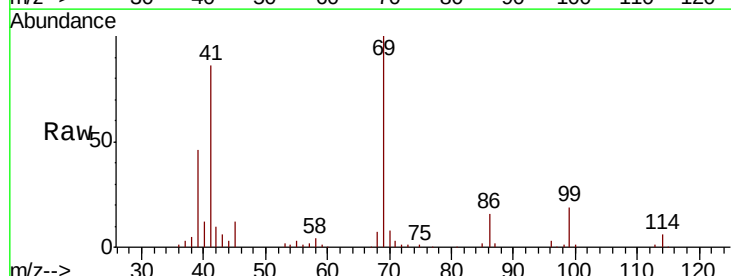


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

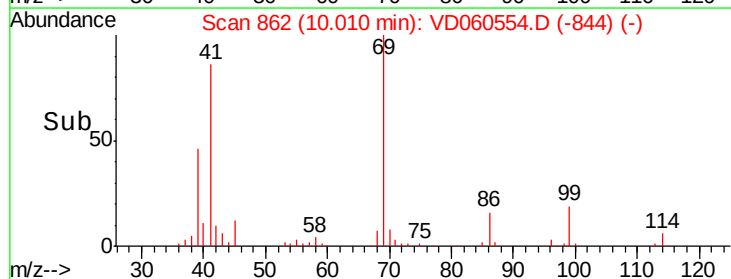
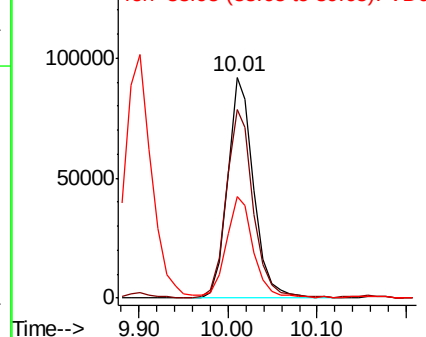


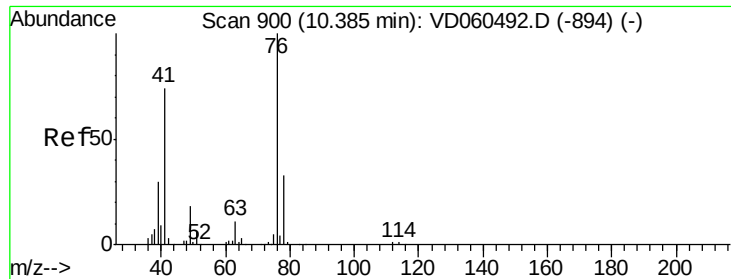
#56
 Ethyl methacrylate
 Concen: 21.373 ug/l
 RT: 10.01 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Tgt Ion:	69	Resp:	188710
Ion	Ratio	Lower	Upper
69	100		
41	85.6	69.8	104.8
39	45.9	37.5	56.3



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

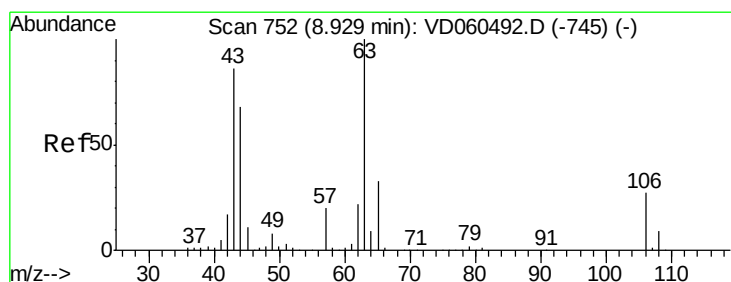
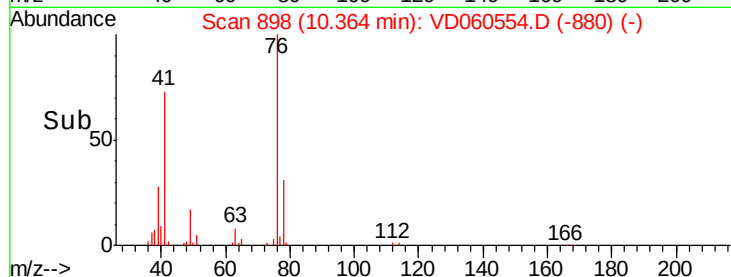
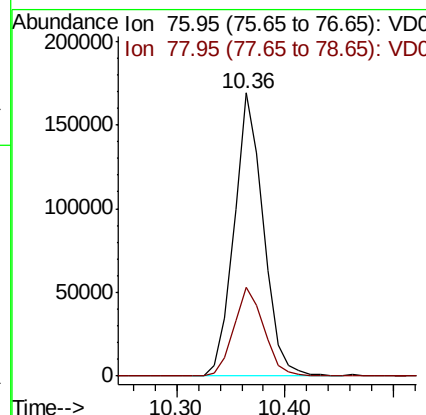
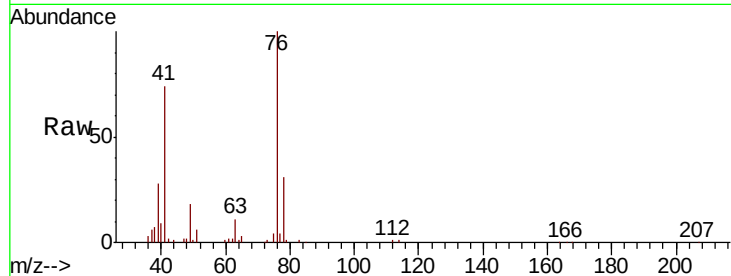




#57
 1,3-Dichloropropane
 Concen: 21.063 ug/l
 RT: 10.36 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

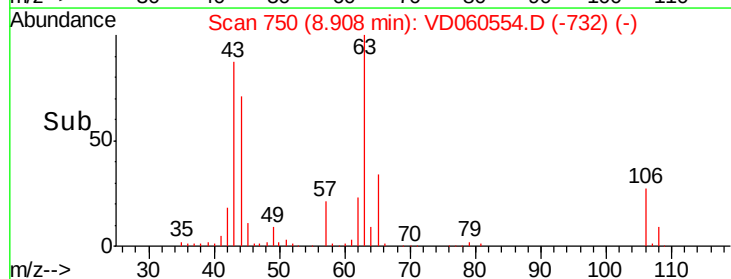
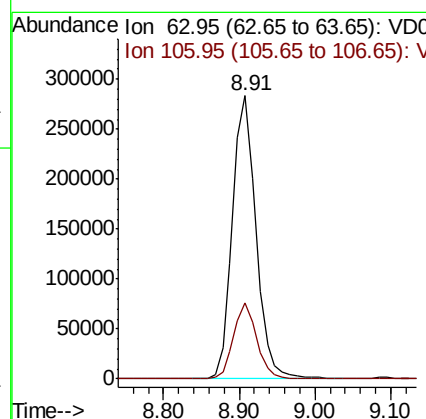
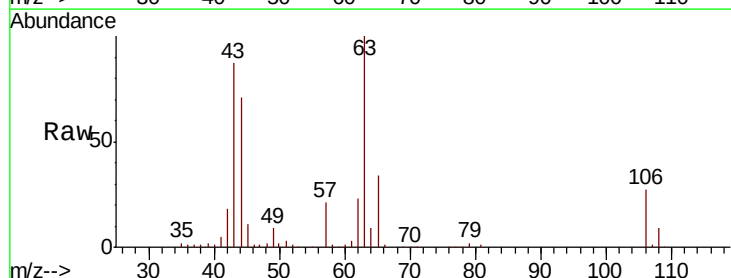
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

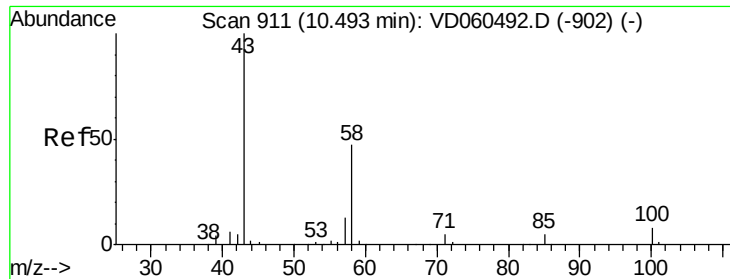
Tgt Ion: 76 Resp: 317659
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.301 ug/l
 RT: 8.91 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Tgt Ion: 63 Resp: 609145
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.6 32.4

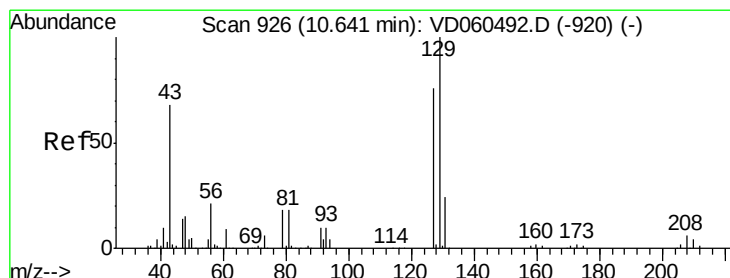
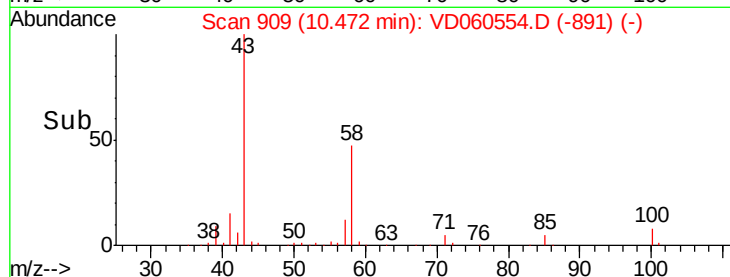
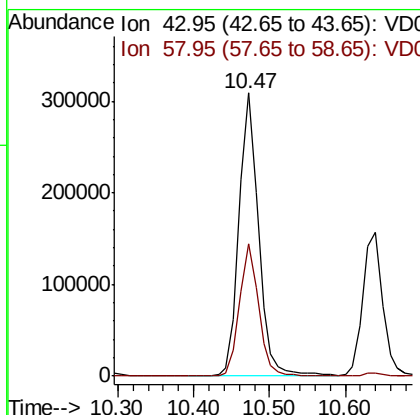
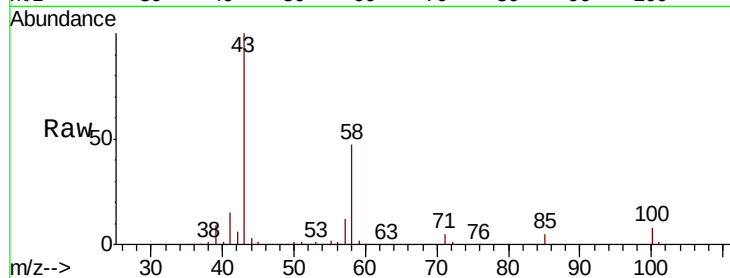




#59
2-Hexanone
Concen: 107.614 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.02 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

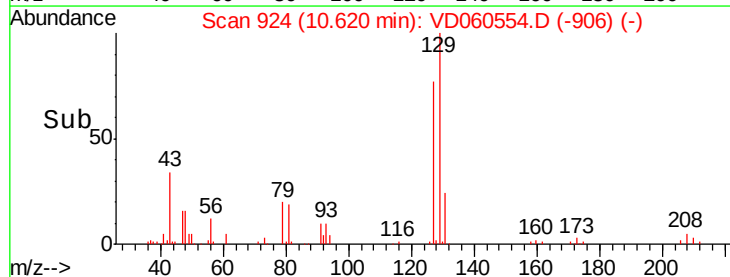
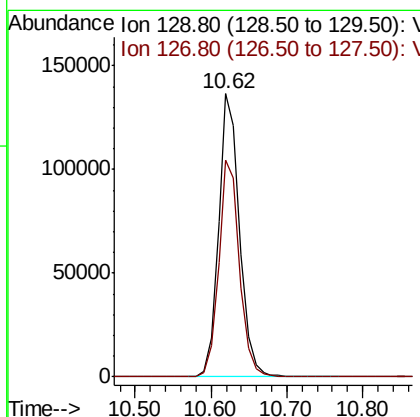
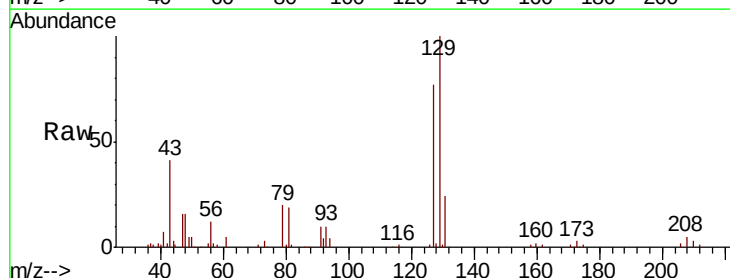
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

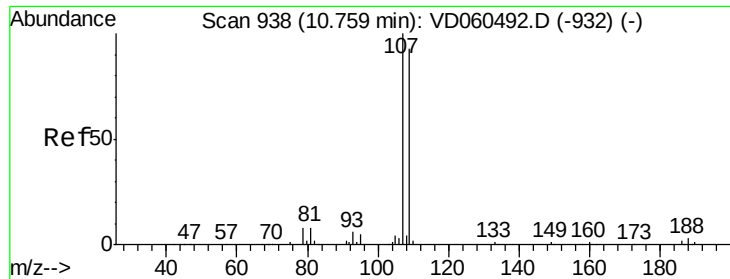
Tgt Ion: 43 Resp: 549374
Ion Ratio Lower Upper
43 100
58 46.6 23.4 70.2



#60
Dibromochloromethane
Concen: 21.521 ug/l
RT: 10.62 min Scan# 924
Delta R.T. -0.02 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion: 129 Resp: 262508
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.416 ug/l

RT: 10.74 min Scan# 936

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

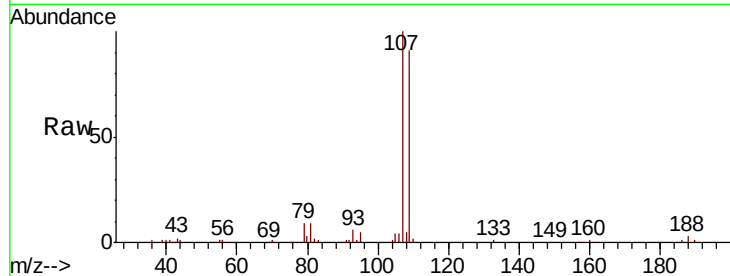
VD1213SBS01

Tgt Ion: 107 Resp: 212929

Ion Ratio Lower Upper

107 100

109 91.1 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

120000

100000

80000

60000

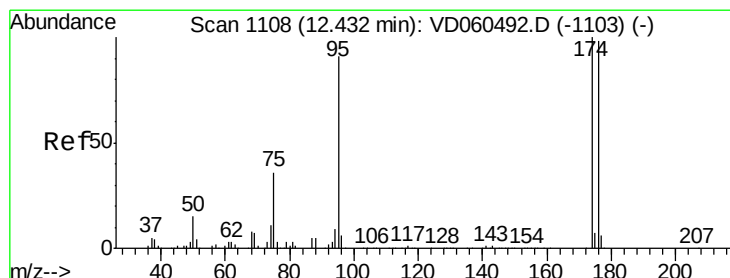
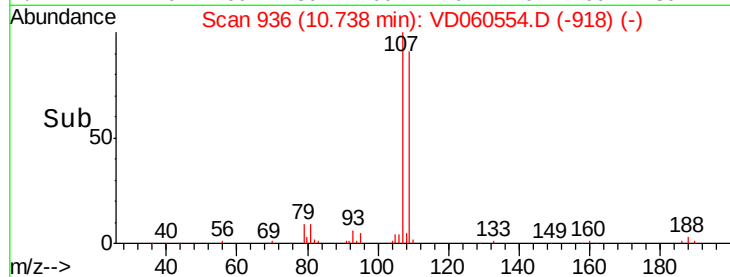
40000

20000

0

10.70 10.80 10.90

Time-->



#62

4-Bromofluorobenzene

Concen: 21.416 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

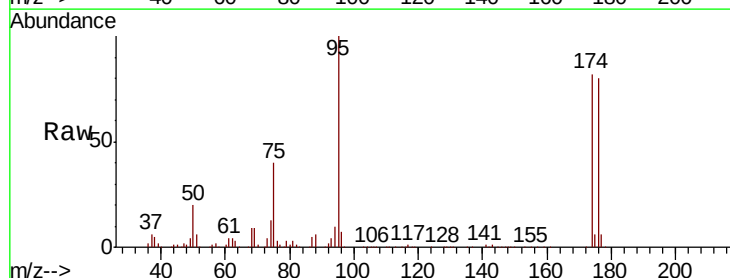
Tgt Ion: 95 Resp: 866477

Ion Ratio Lower Upper

95 100

174 82.1 0.0 219.4

176 80.2 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

600000

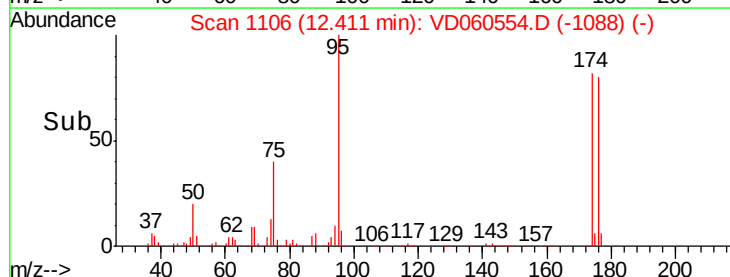
400000

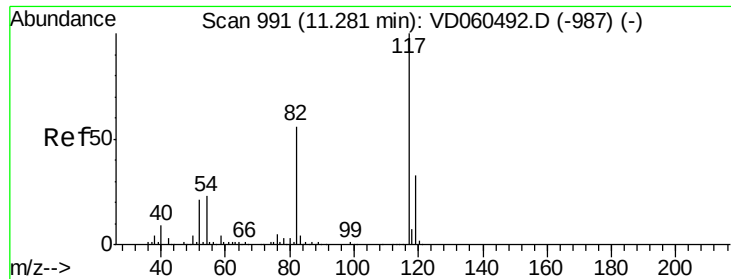
200000

0

12.30 12.40 12.50

Time-->

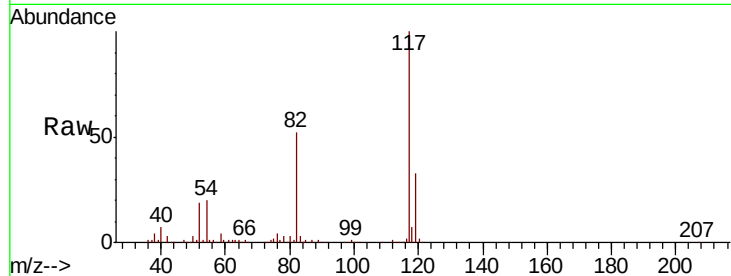




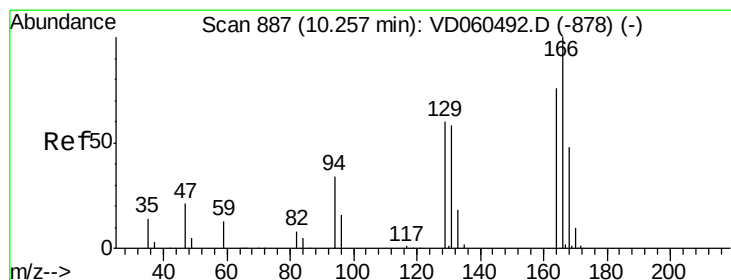
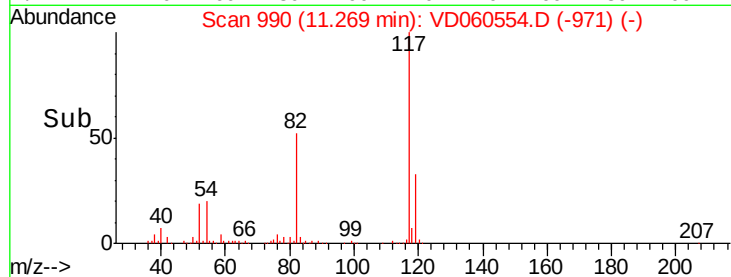
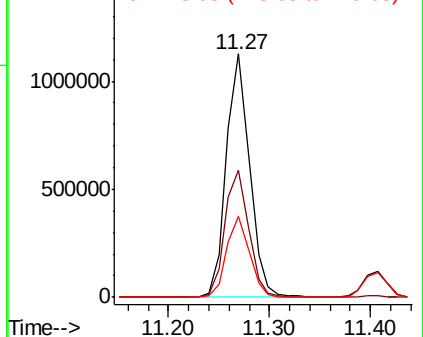
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tgt Ion:117 Resp: 1812833
Ion Ratio Lower Upper
117 100
82 52.3 45.2 67.8
119 33.2 26.1 39.1

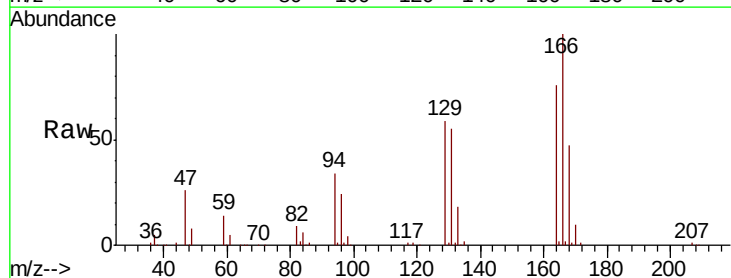


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

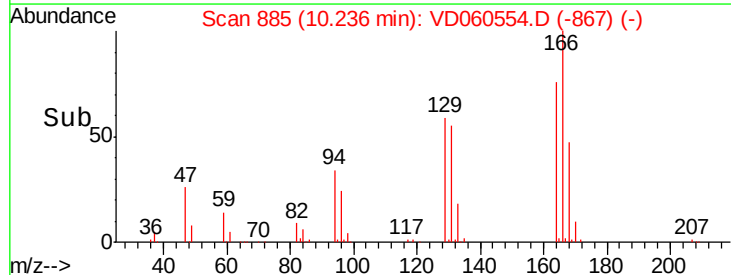
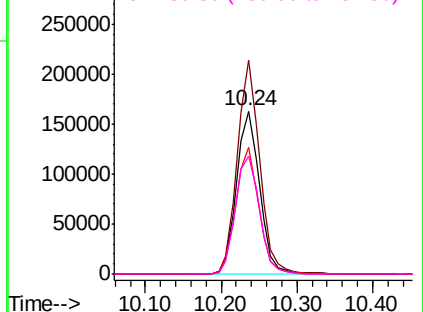


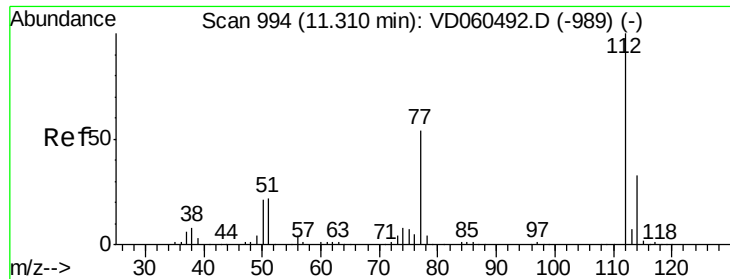
#64
Tetrachloroethene
Concen: 21.335 ug/l
RT: 10.24 min Scan# 885
Delta R.T. -0.02 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion:164 Resp: 342470
Ion Ratio Lower Upper
164 100
166 131.4 105.0 157.6
129 78.1 63.0 94.4
131 72.6 60.6 90.8



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

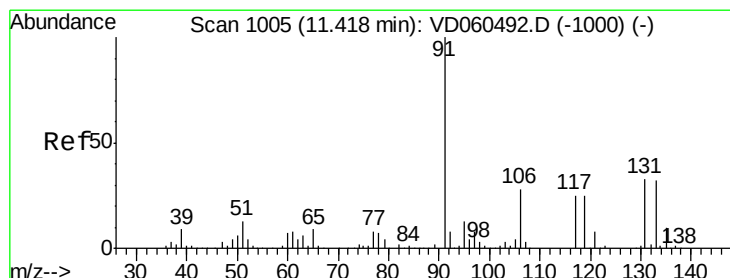
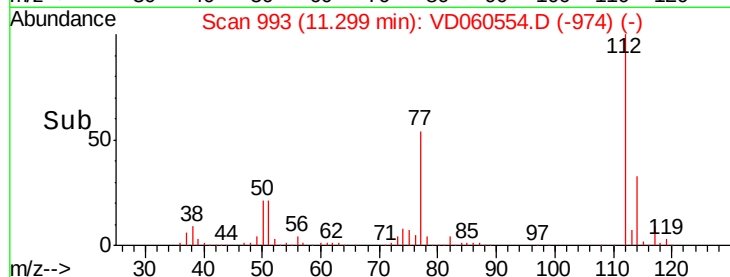
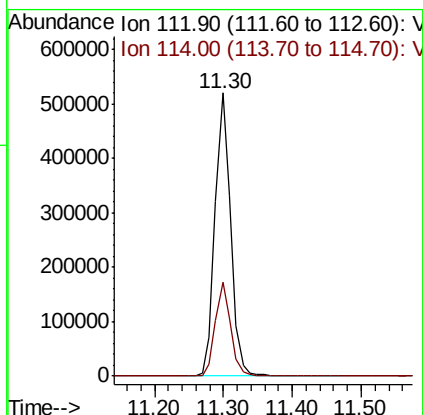
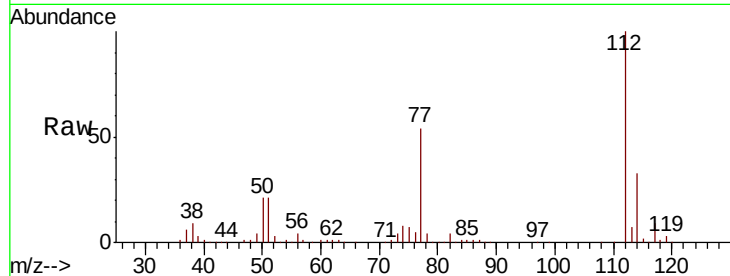




#65
Chlorobenzene
Concen: 21.346 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

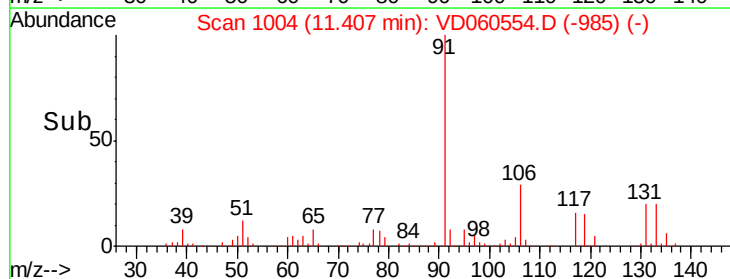
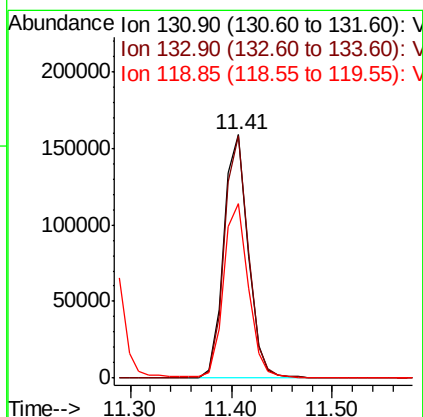
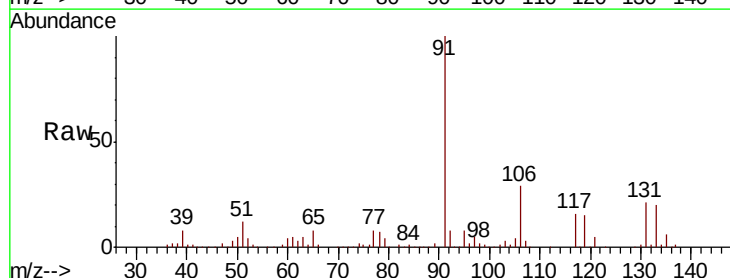
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

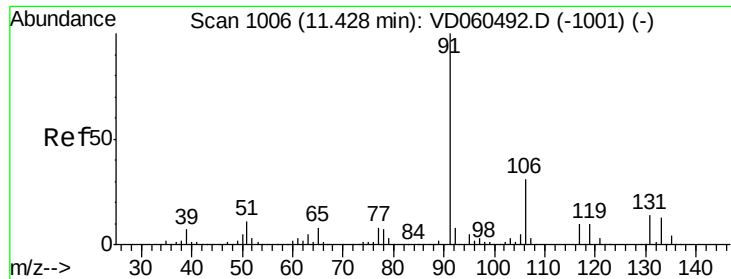
Tgt Ion:112 Resp: 818659
Ion Ratio Lower Upper
112 100
114 33.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.646 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion:131 Resp: 267577
Ion Ratio Lower Upper
131 100
133 99.4 49.1 147.3
119 71.8 37.5 112.3

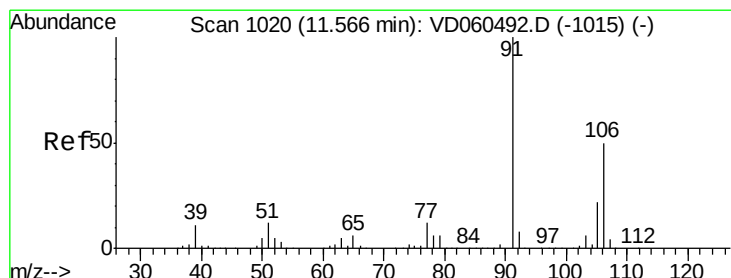
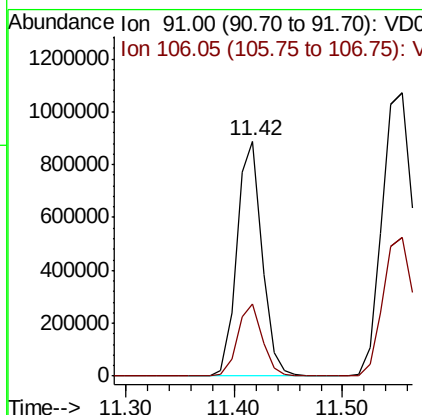
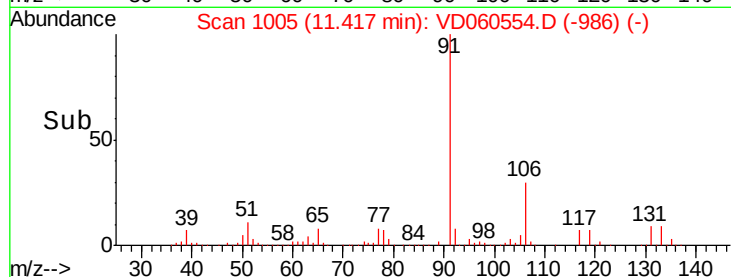
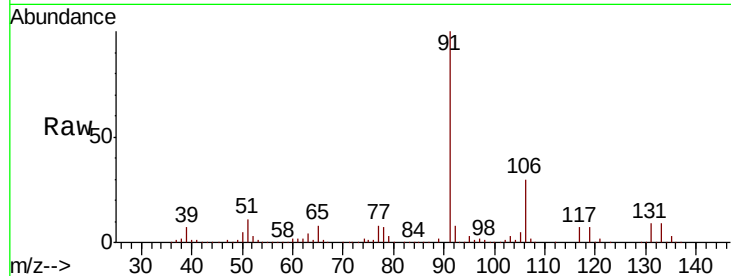




#67
Ethyl Benzene
Concen: 22.055 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

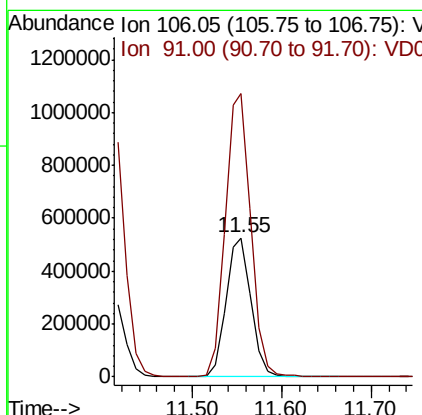
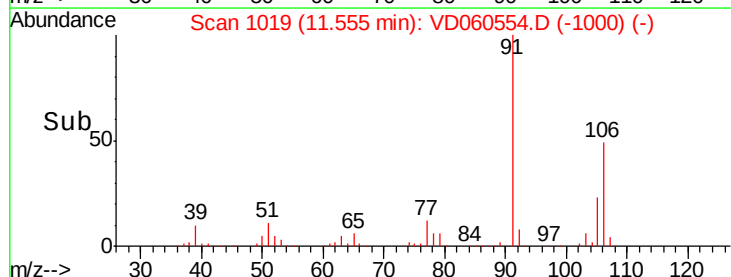
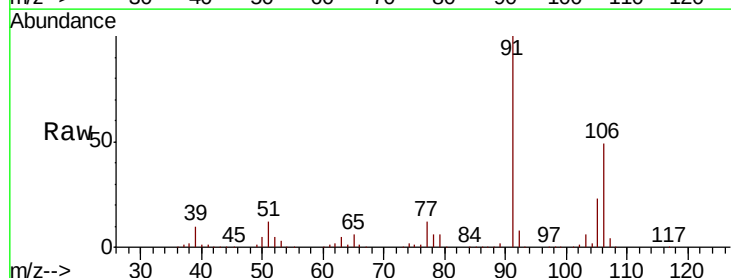
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

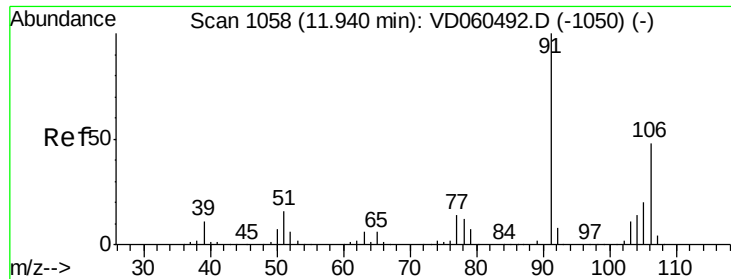
Tgt Ion: 91 Resp: 1442748
Ion Ratio Lower Upper
91 100
106 30.5 24.6 37.0



#68
m/p-Xylenes
Concen: 42.774 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion: 106 Resp: 1035187
Ion Ratio Lower Upper
106 100
91 203.4 160.5 240.7

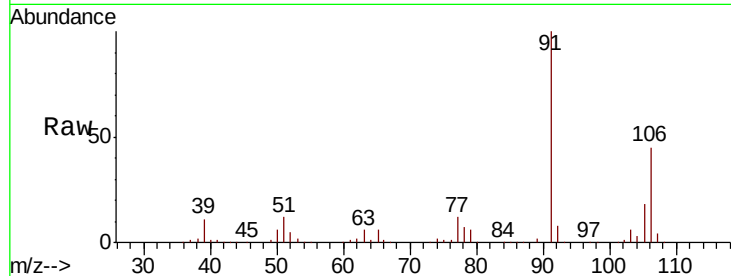




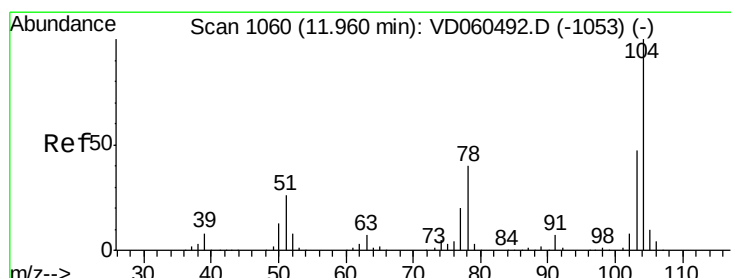
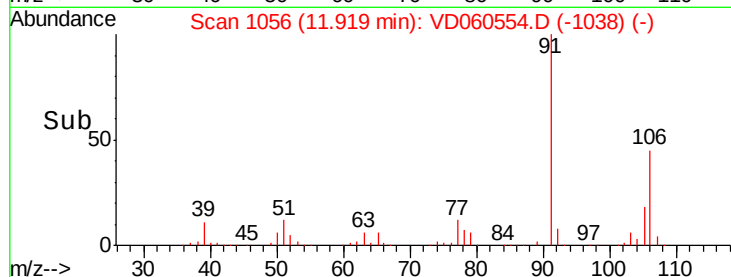
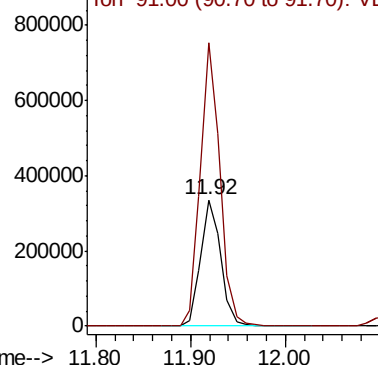
#69
o-Xylene
Concen: 21.429 ug/l
RT: 11.92 min Scan# 1056
Delta R.T. -0.02 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tgt Ion:106 Resp: 494240
Ion Ratio Lower Upper
106 100
91 224.5 103.4 310.1

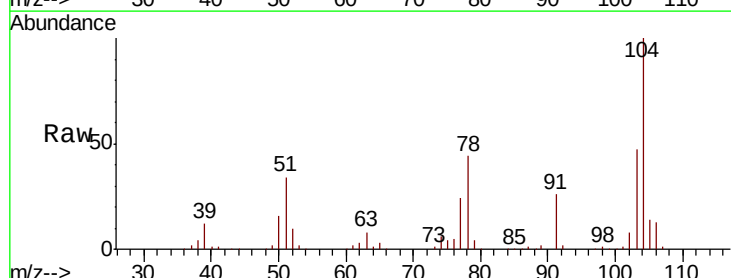


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

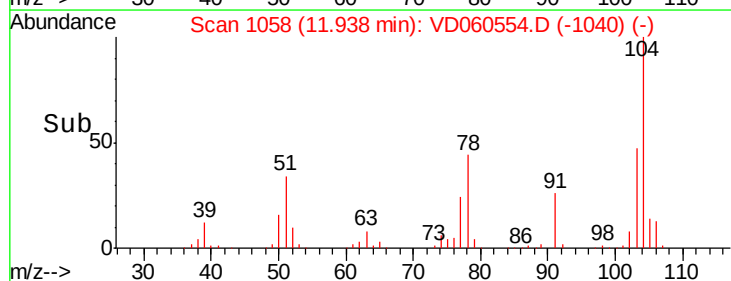
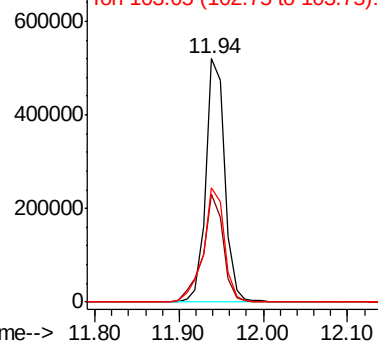


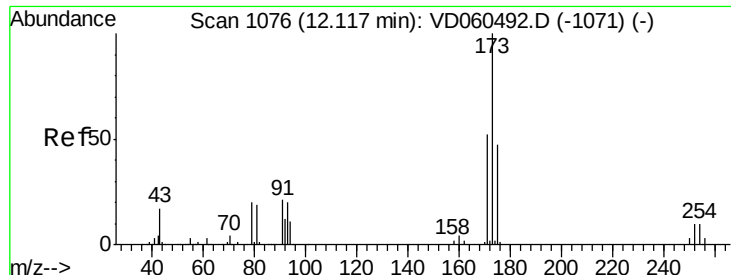
#70
Styrene
Concen: 21.909 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.02 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion:104 Resp: 811066
Ion Ratio Lower Upper
104 100
78 44.4 32.1 48.1
103 47.0 37.2 55.8



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





#71

Bromoform

Concen: 20.293 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

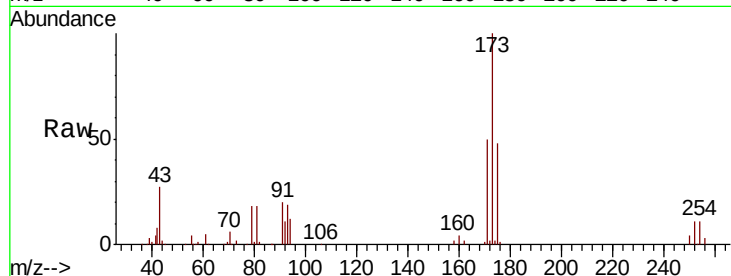
Tgt Ion:173 Resp: 167359

Ion Ratio Lower Upper

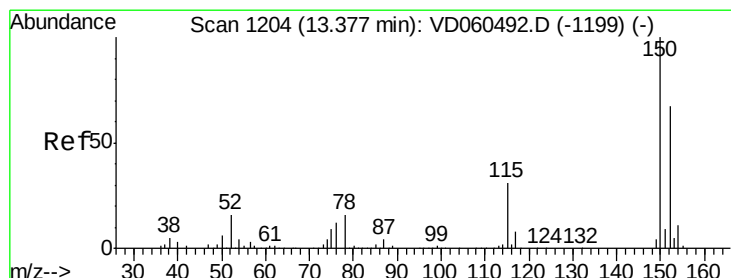
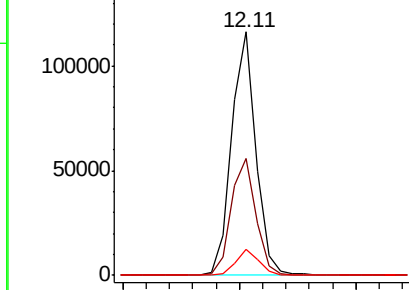
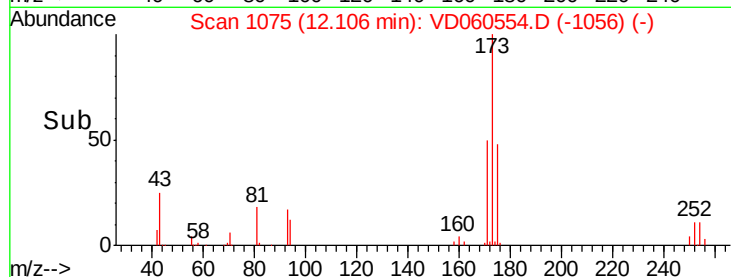
173 100

175 48.0 23.5 70.6

254 10.5 7.8 11.8



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

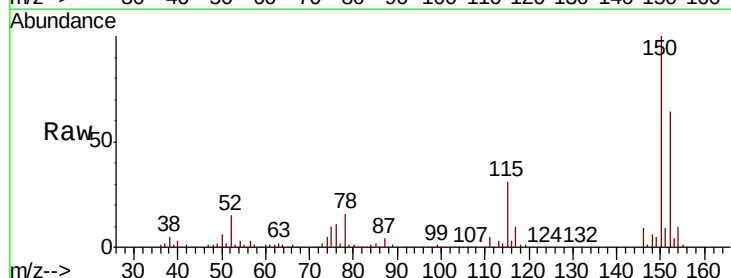
Tgt Ion:152 Resp: 920850

Ion Ratio Lower Upper

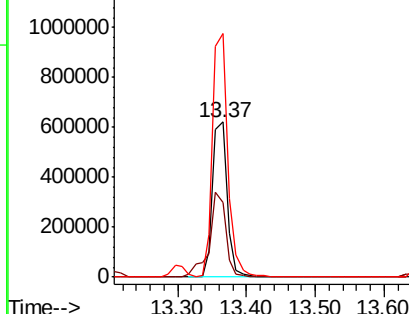
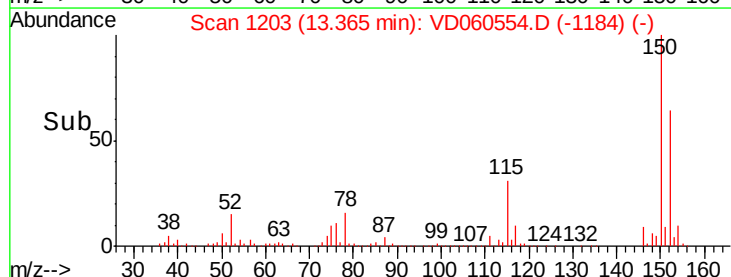
152 100

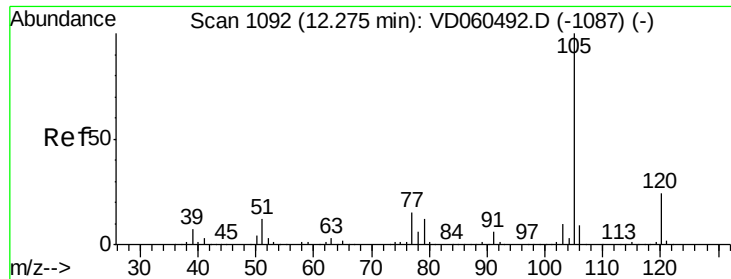
115 48.1 24.6 74.0

150 156.9 0.0 309.0



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





#73

Isopropylbenzene

Concen: 21.243 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

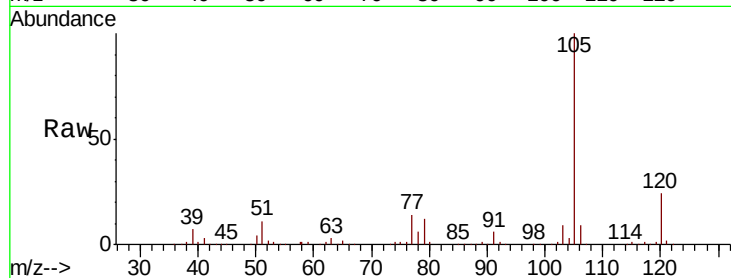
VD1213SBS01

Tgt Ion:105 Resp: 1384266

Ion Ratio Lower Upper

105 100

120 24.1 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

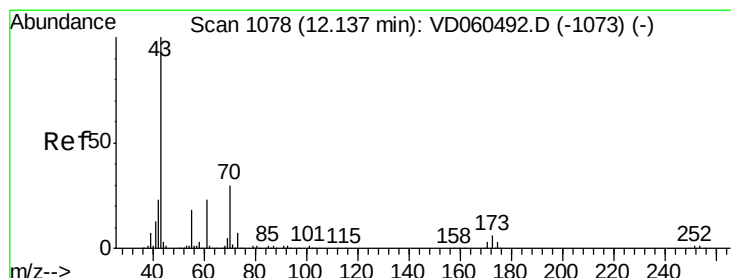
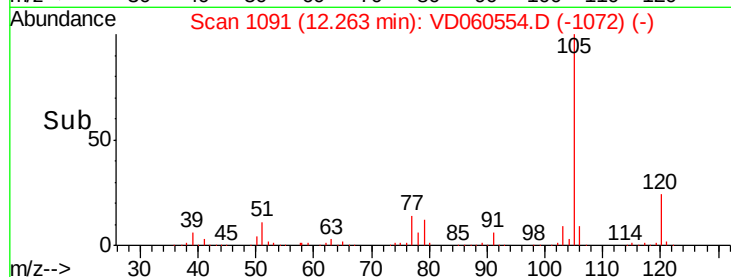
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 20.782 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Tgt Ion: 43 Resp: 327288

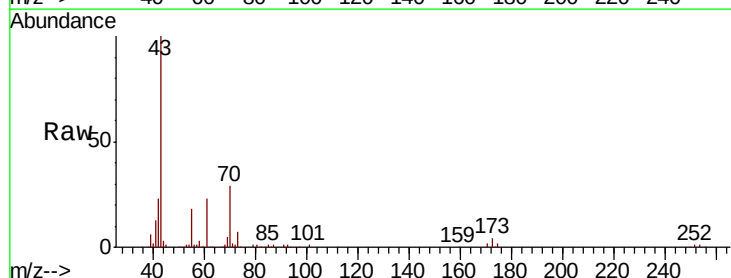
Ion Ratio Lower Upper

43 100

70 28.5 23.8 35.8

55 17.8 14.2 21.2

61 22.9 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

300000

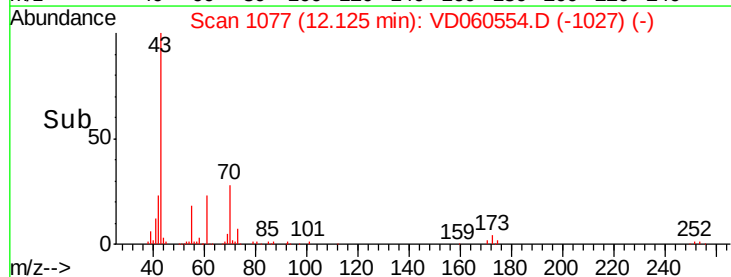
200000

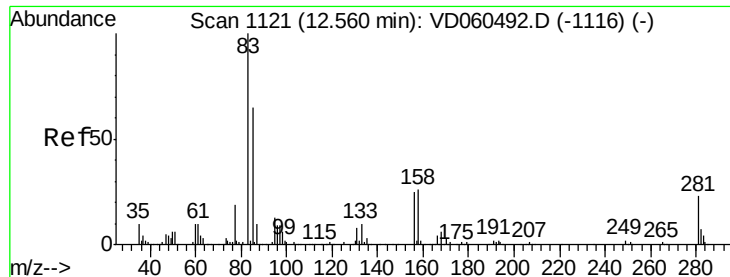
100000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.483 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

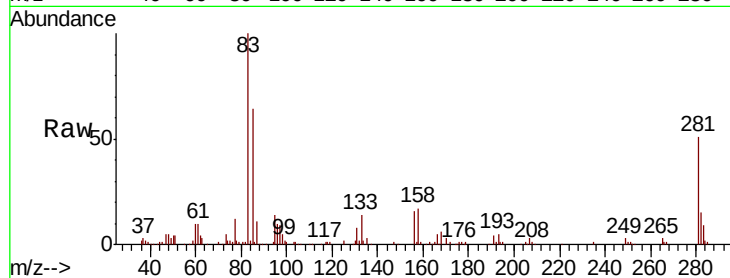
Tgt Ion: 83 Resp: 213678

Ion Ratio Lower Upper

83 100

131 8.5 3.8 11.4

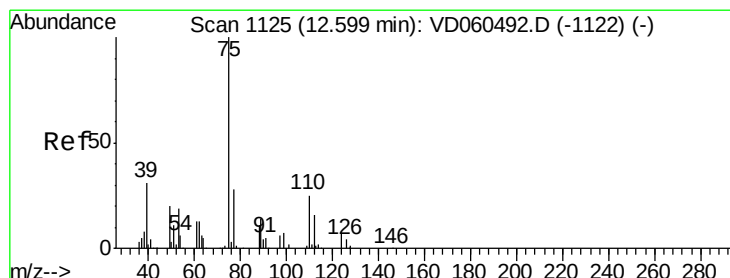
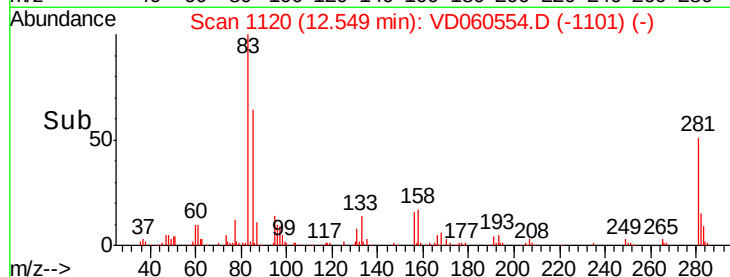
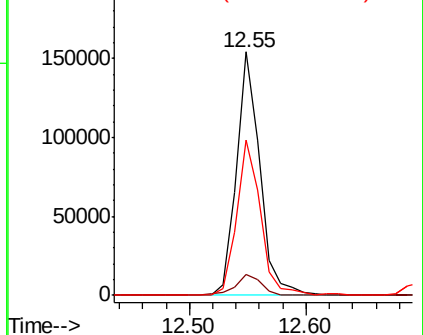
85 63.6 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.153 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VD060554.D

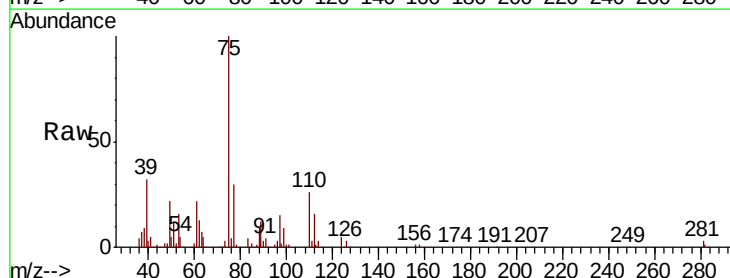
Acq: 13 Dec 2018 12:00

Tgt Ion: 75 Resp: 210277

Ion Ratio Lower Upper

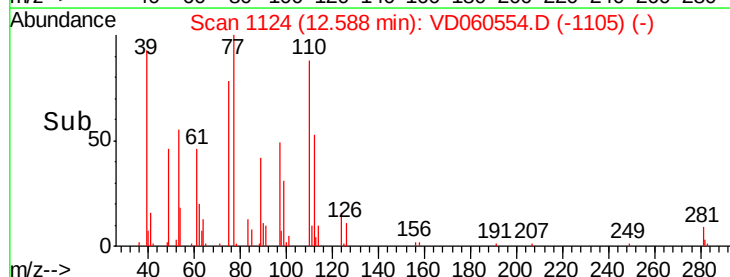
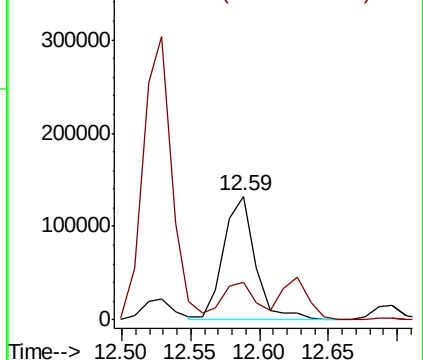
75 100

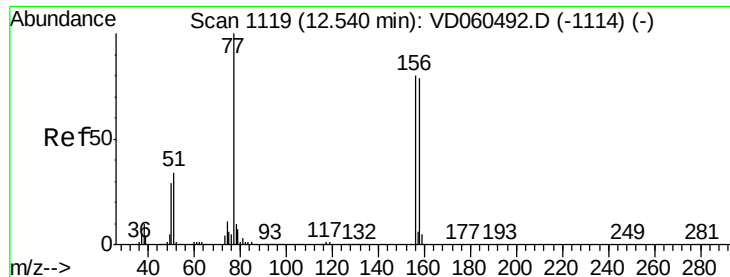
77 30.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

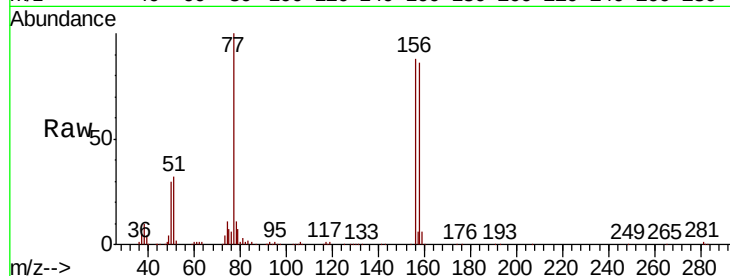




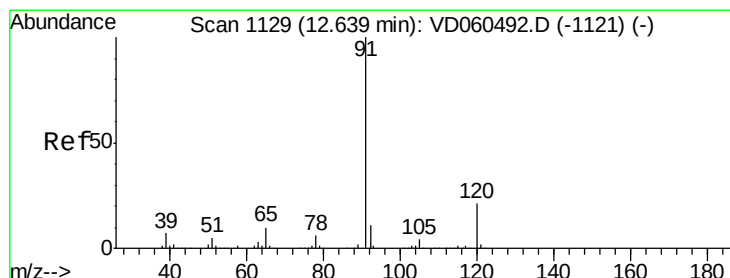
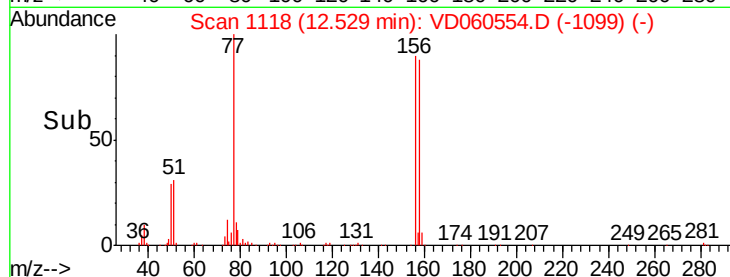
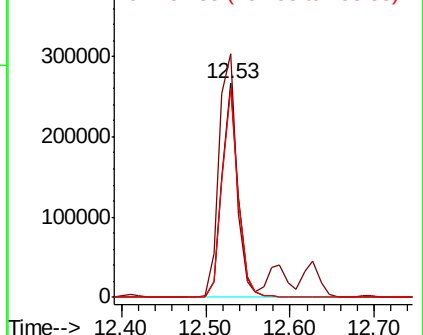
#77
Bromobenzene
Concen: 20.726 ug/l
RT: 12.53 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tgt Ion: 156 Resp: 355009
Ion Ratio Lower Upper
156 100
77 113.9 62.5 187.6
158 98.0 49.4 148.2

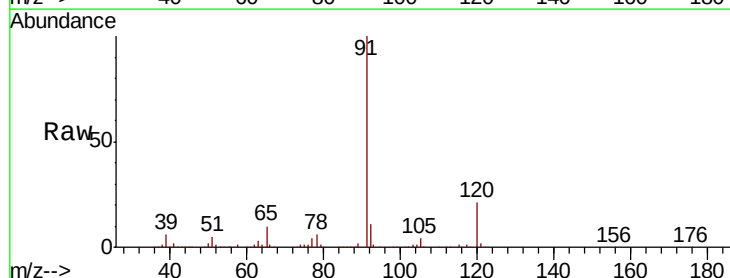


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

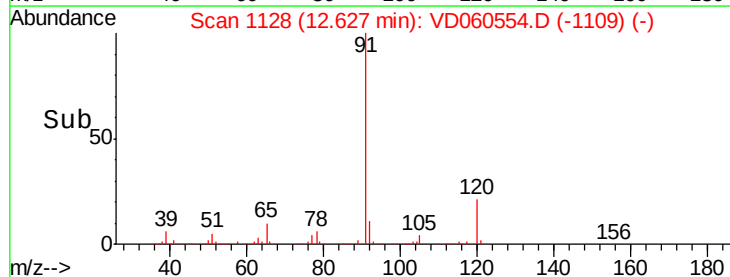
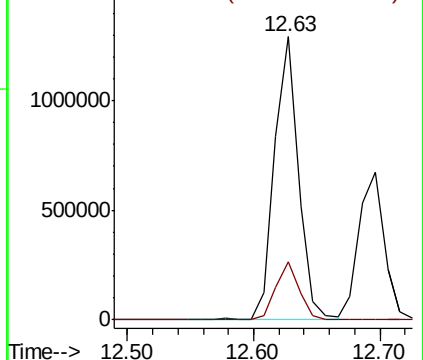


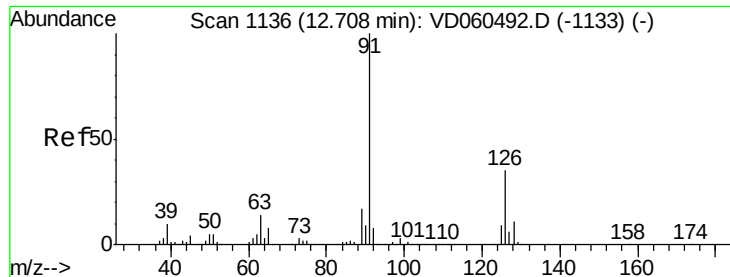
#78
n-propylbenzene
Concen: 20.821 ug/l
RT: 12.63 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion: 91 Resp: 1715068
Ion Ratio Lower Upper
91 100
120 20.6 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.049 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

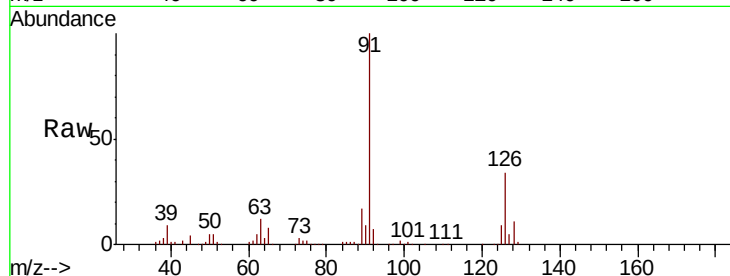
VD1213SBS01

Tgt Ion: 91 Resp: 940860

Ion Ratio Lower Upper

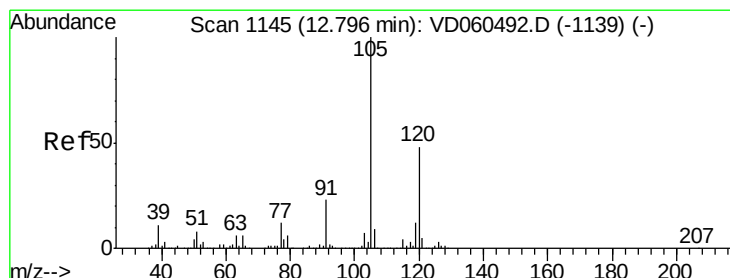
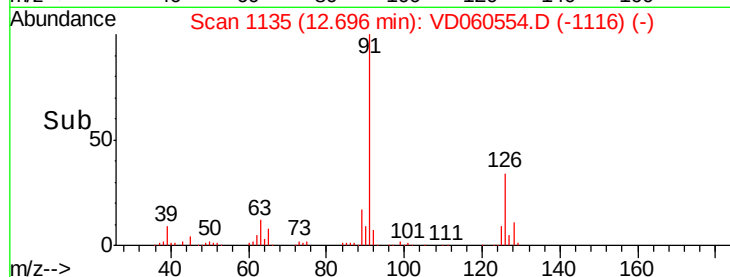
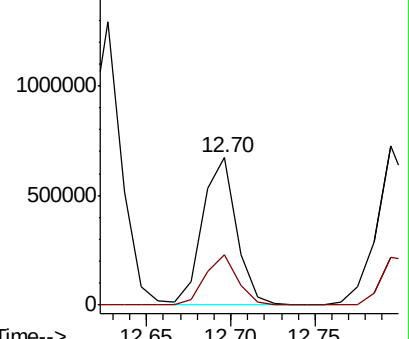
91 100

126 34.1 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.952 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD060554.D

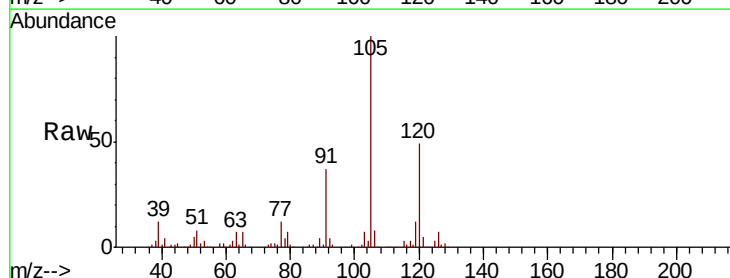
Acq: 13 Dec 2018 12:00

Tgt Ion: 105 Resp: 1093014

Ion Ratio Lower Upper

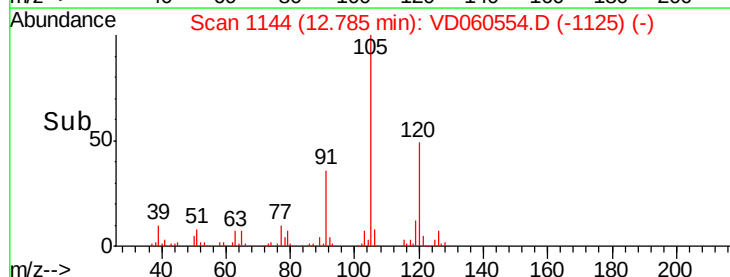
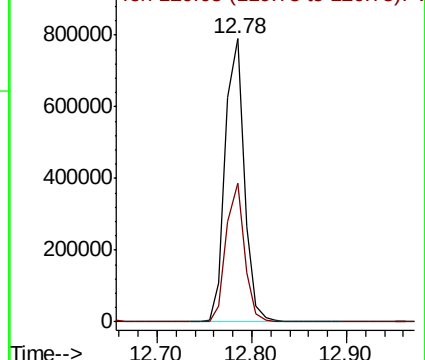
105 100

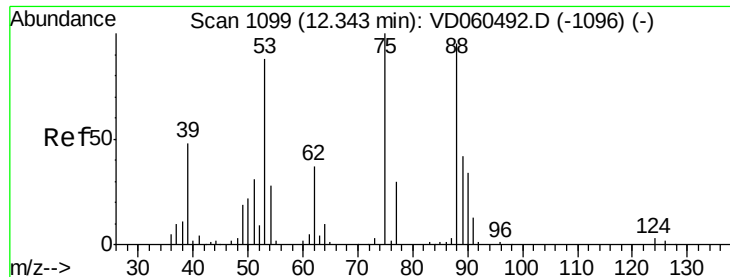
120 49.2 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.590 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

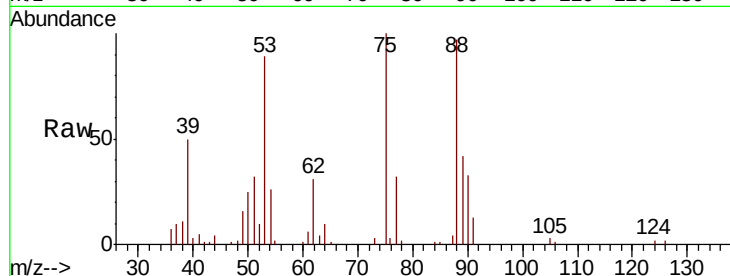
Tgt Ion: 75 Resp: 59917

Ion Ratio Lower Upper

75 100

53 88.5 70.5 105.7

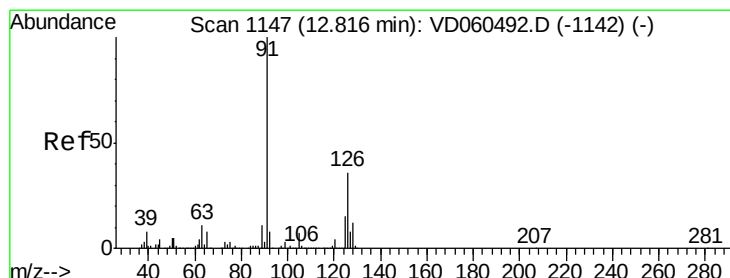
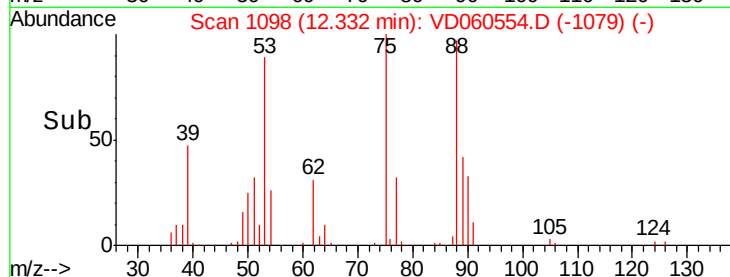
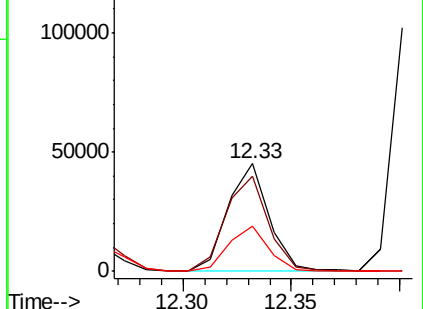
89 42.0 33.6 50.4



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: 21.606 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.02 min

Lab File: VD060554.D

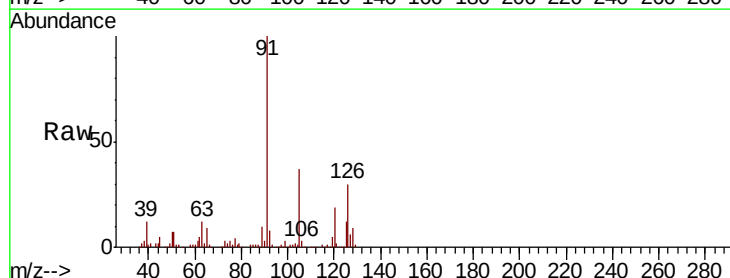
Acq: 13 Dec 2018 12:00

Tgt Ion: 91 Resp: 1084695

Ion Ratio Lower Upper

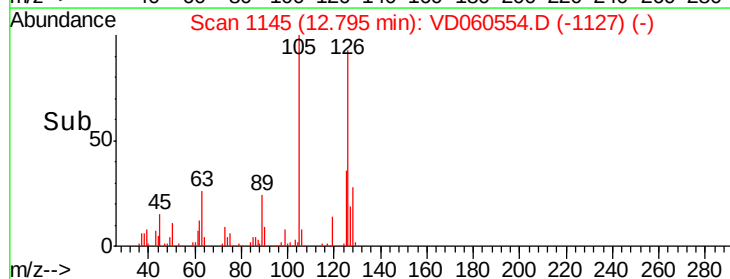
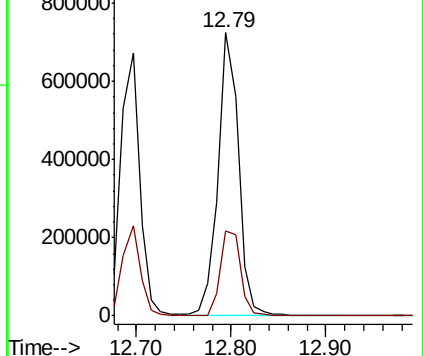
91 100

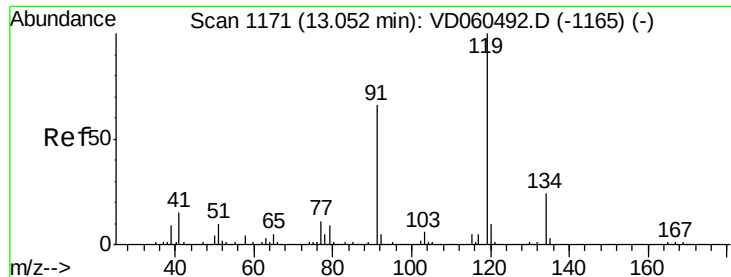
126 30.1 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

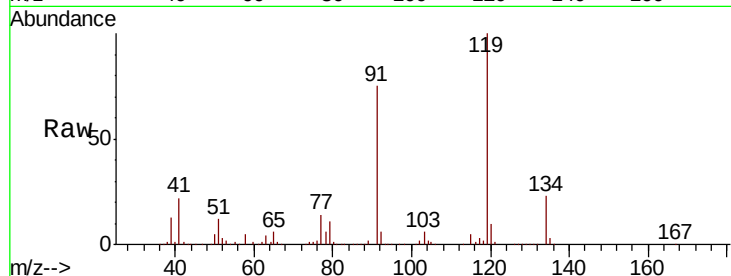




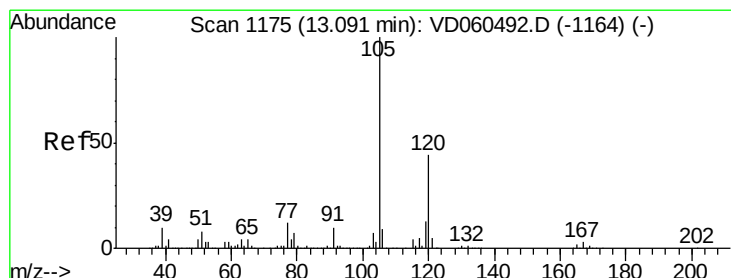
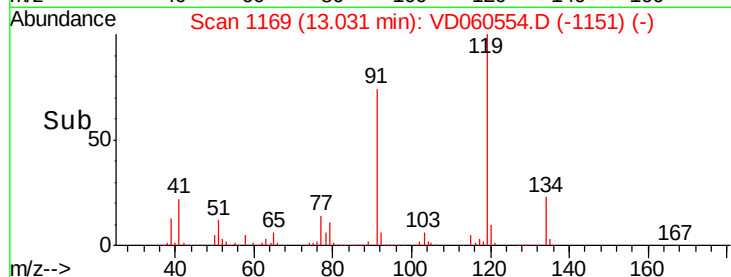
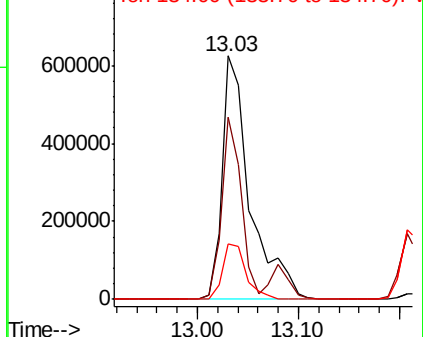
#83
 tert-Butylbenzene
 Concen: 21.541 ug/l
 RT: 13.03 min Scan# 1169
 Delta R.T. -0.02 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tgt Ion:119 Resp: 1202623
 Ion Ratio Lower Upper
 119 100
 91 74.7 33.1 99.2
 134 22.9 12.0 36.0

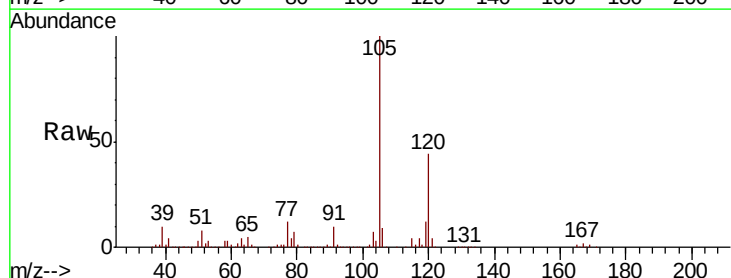


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

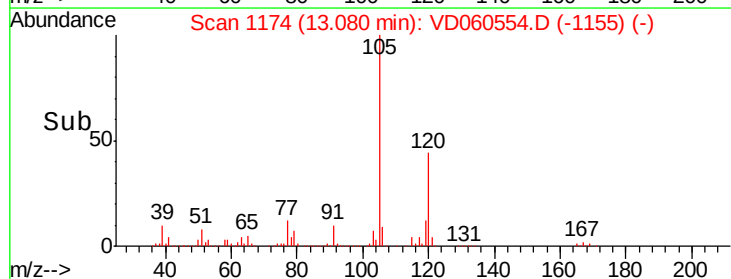
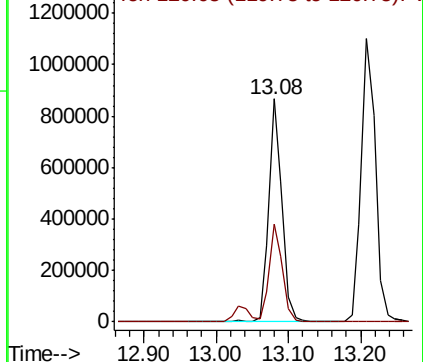


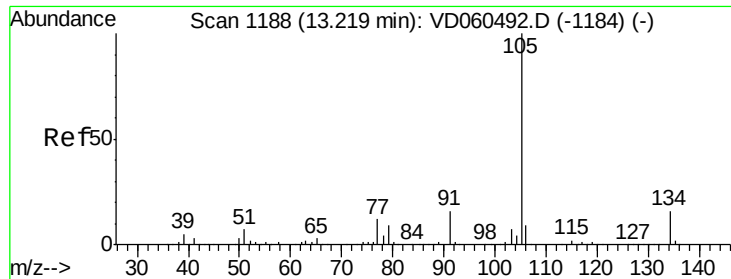
#84
 1,2,4-Trimethylbenzene
 Concen: 21.466 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Tgt Ion:105 Resp: 1106711
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.3 66.8



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

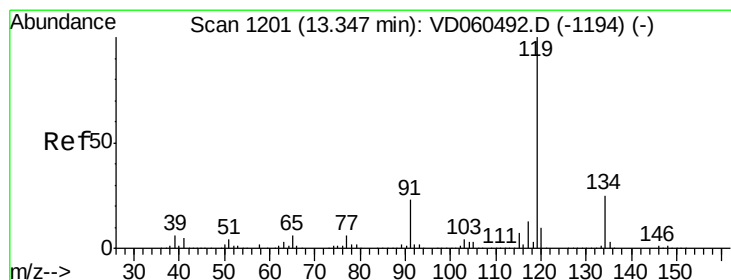
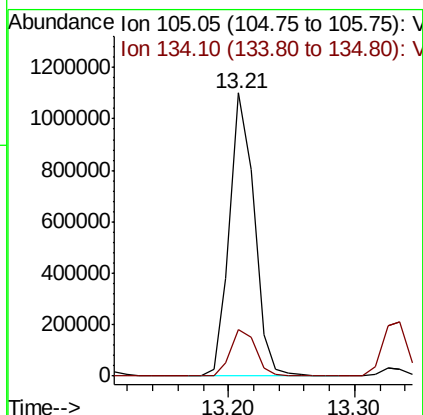
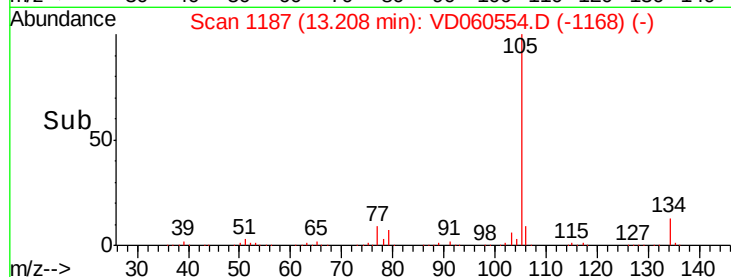
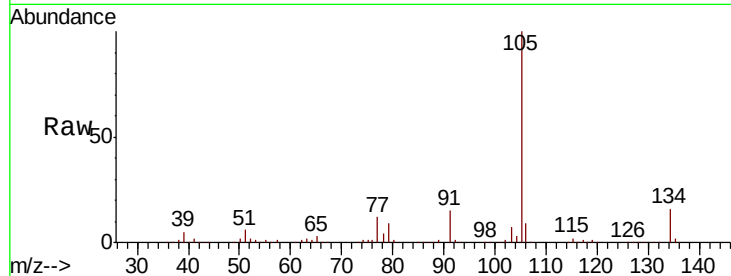




#85
sec-Butylbenzene
Concen: 21.206 ug/l
RT: 13.21 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

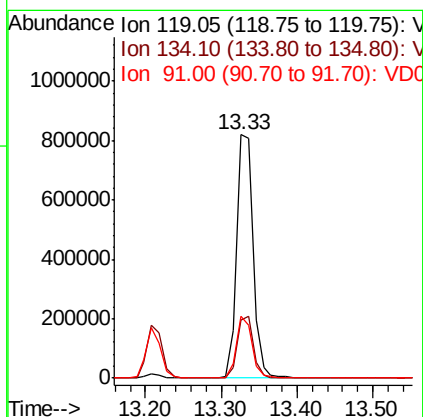
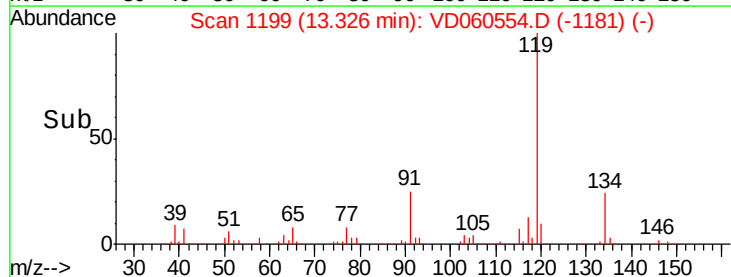
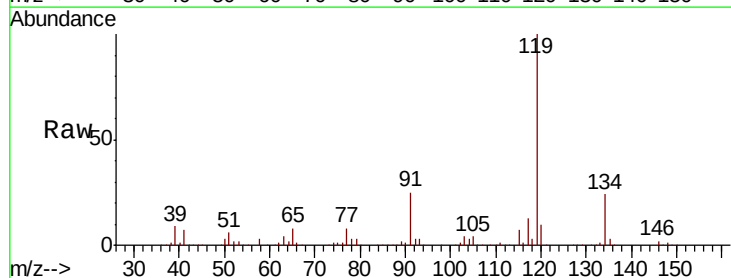
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

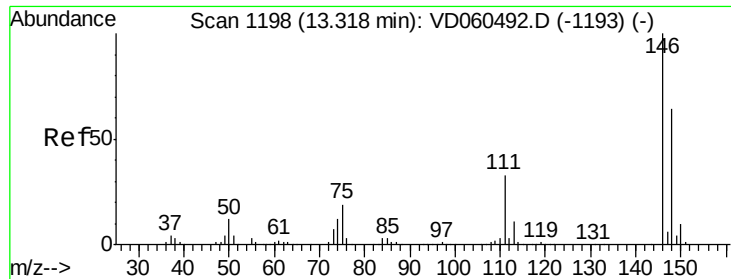
Tgt Ion:105 Resp: 1475582
Ion Ratio Lower Upper
105 100
134 16.3 7.9 23.7



#86
p-Isopropyltoluene
Concen: 21.940 ug/l
RT: 13.33 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD060554.D
Acq: 13 Dec 2018 12:00

Tgt Ion:119 Resp: 1210185
Ion Ratio Lower Upper
119 100
134 24.1 12.5 37.5
91 25.4 11.5 34.4

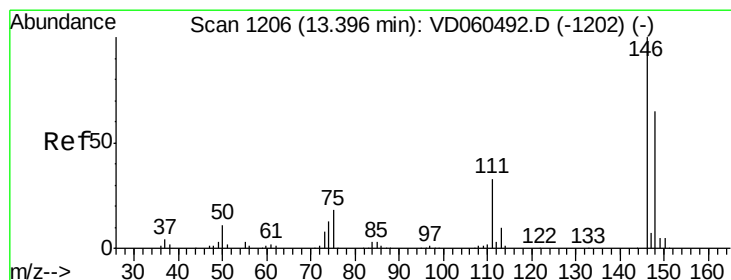
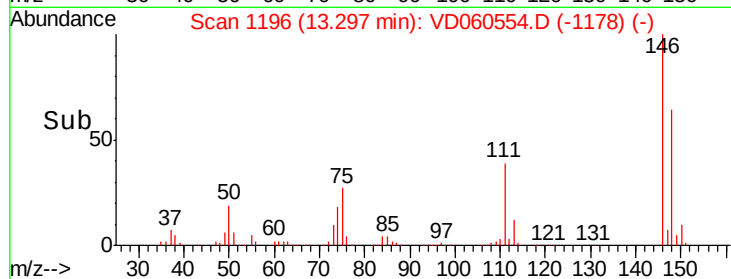
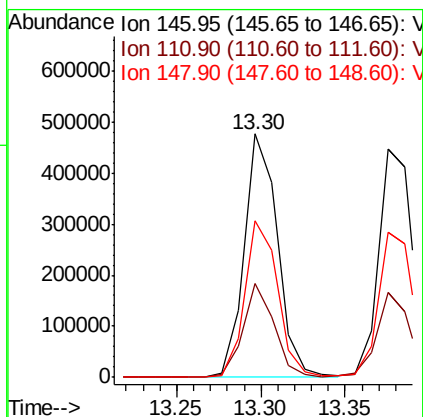
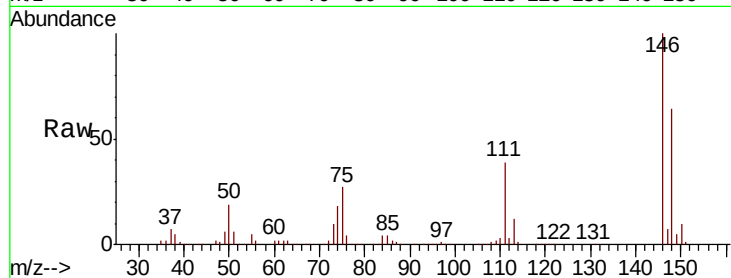




#87
 1,3-Dichlorobenzene
 Concen: 21.049 ug/l
 RT: 13.30 min Scan# 1196
 Delta R.T. -0.02 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

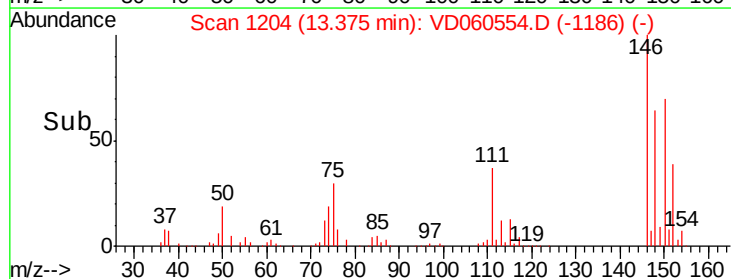
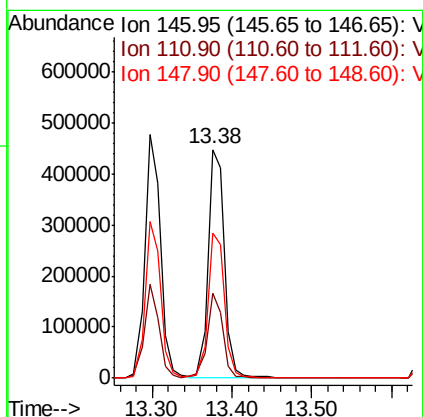
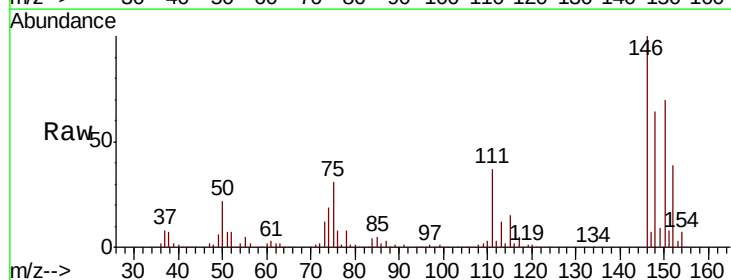
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

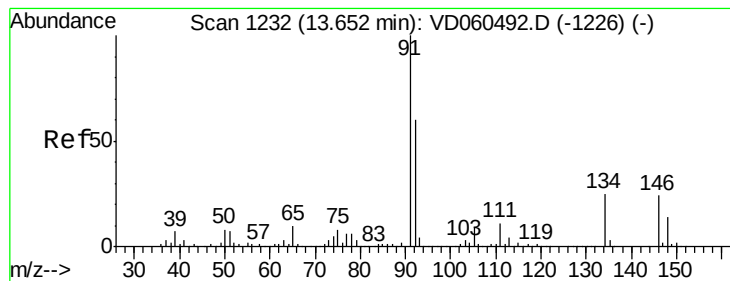
Tgt Ion:146 Resp: 652773
 Ion Ratio Lower Upper
 146 100
 111 38.7 16.5 49.5
 148 64.1 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.990 ug/l
 RT: 13.38 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Tgt Ion:146 Resp: 638581
 Ion Ratio Lower Upper
 146 100
 111 37.4 16.4 49.1
 148 63.8 32.6 98.0





#89

n-Butylbenzene

Concen: 20.831 ug/l

RT: 13.63 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

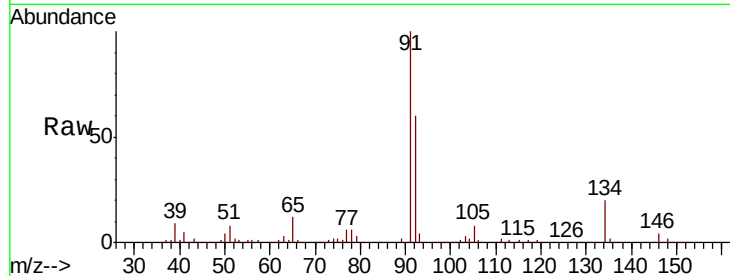
Tgt Ion: 91 Resp: 1275503

Ion Ratio Lower Upper

91 100

92 59.5 30.0 90.1

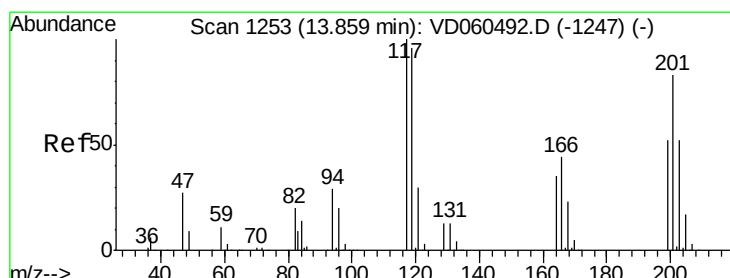
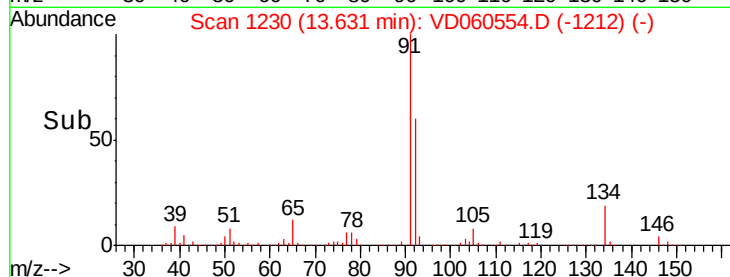
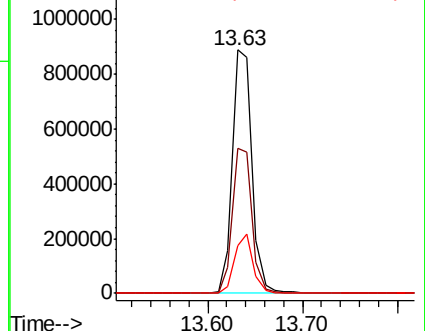
134 19.5 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 21.038 ug/l

RT: 13.85 min Scan# 1252

Delta R.T. -0.01 min

Lab File: VD060554.D

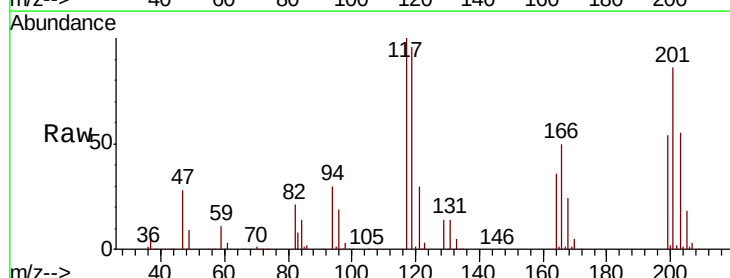
Acq: 13 Dec 2018 12:00

Tgt Ion: 117 Resp: 290948

Ion Ratio Lower Upper

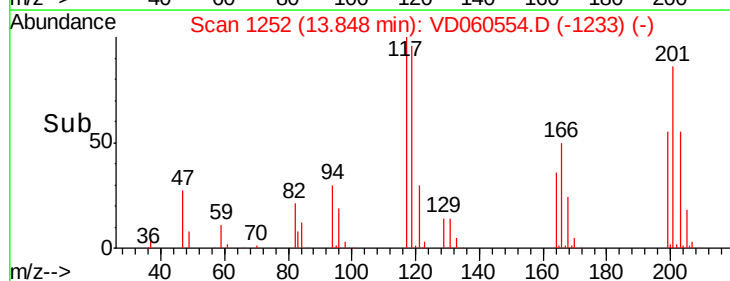
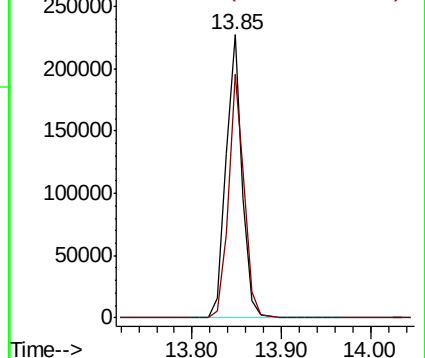
117 100

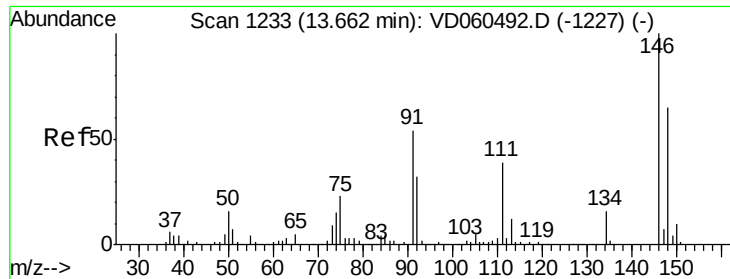
201 86.0 41.3 123.9



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

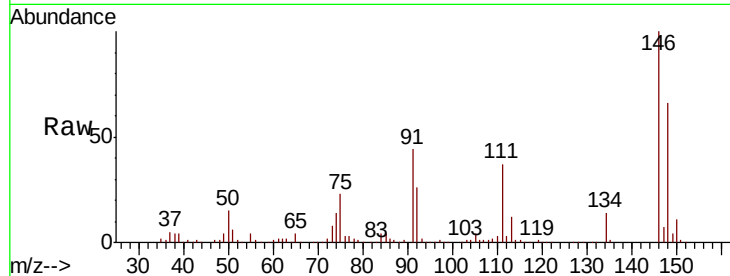




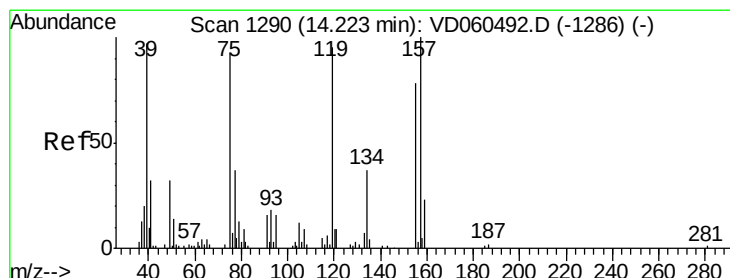
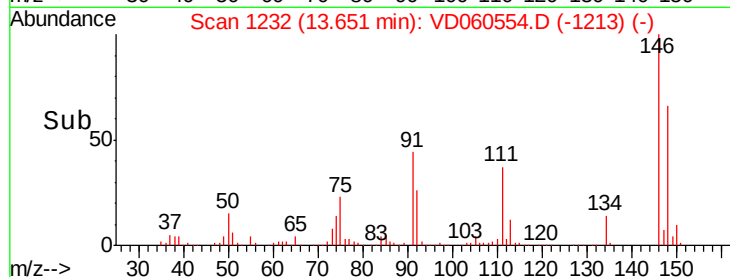
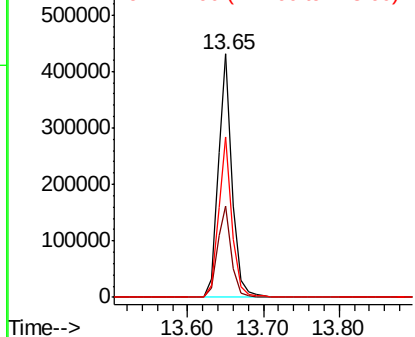
#91
 1,2-Dichlorobenzene
 Concen: 21.742 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tgt Ion:146 Resp: 551035
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.3 57.8
 148 65.7 32.3 96.8

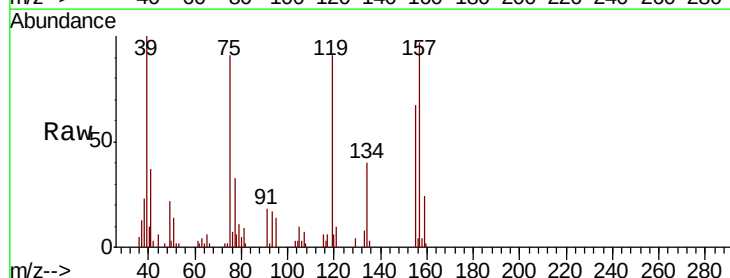


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

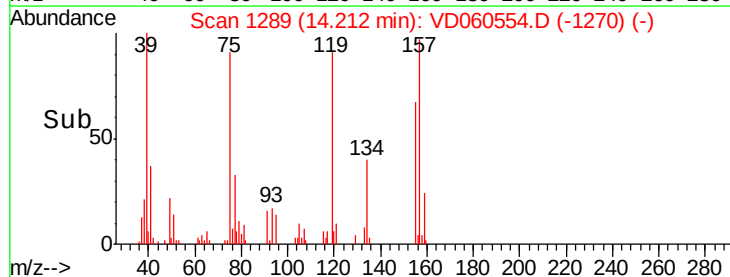
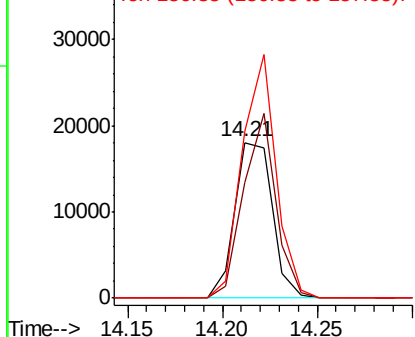


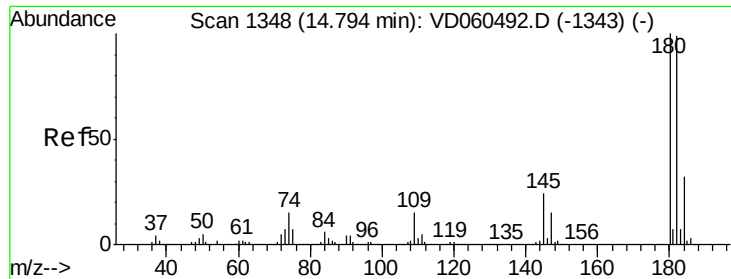
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.515 ug/l
 RT: 14.21 min Scan# 1289
 Delta R.T. -0.01 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Tgt Ion: 75 Resp: 24667
 Ion Ratio Lower Upper
 75 100
 155 74.4 41.6 124.9
 157 107.4 53.6 160.8



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

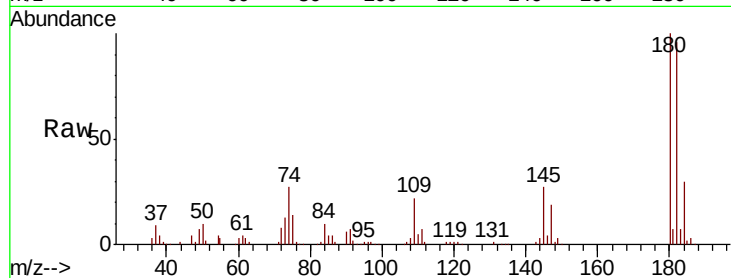




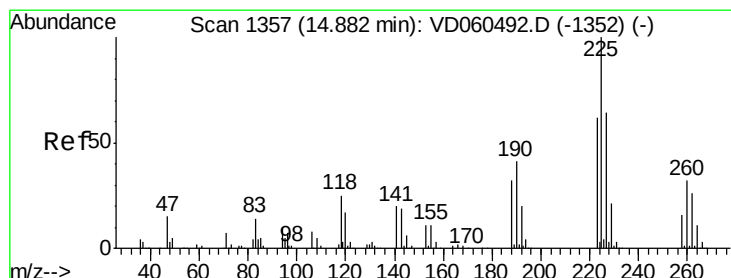
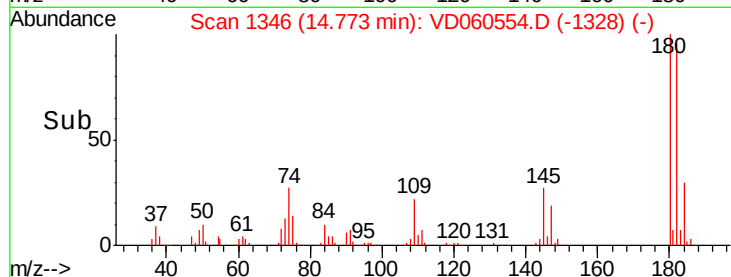
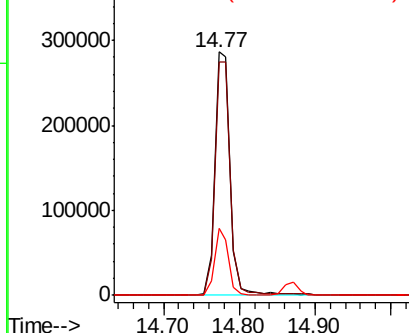
#93
 1,2,4-Trichlorobenzene
 Concen: 20.881 ug/l
 RT: 14.77 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tgt Ion:180 Resp: 413710
 Ion Ratio Lower Upper
 180 100
 182 95.7 49.4 148.0
 145 27.3 11.9 35.9

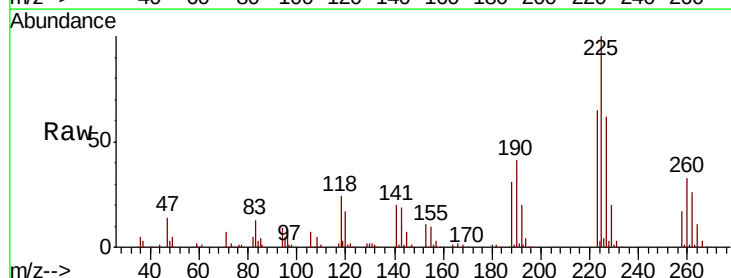


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

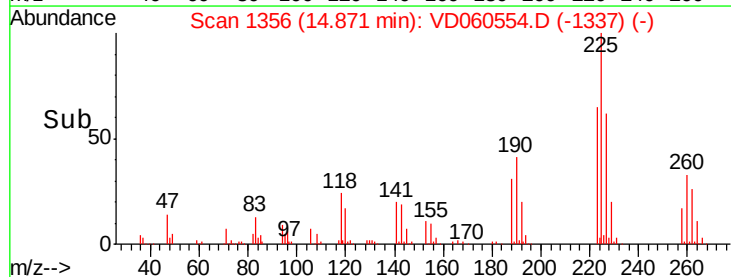
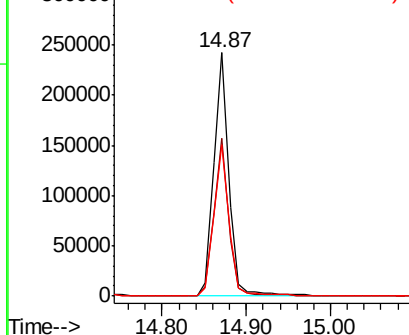


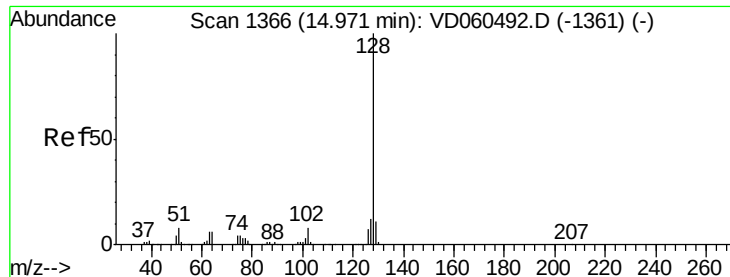
#94
 Hexachlorobutadiene
 Concen: 20.649 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD060554.D
 Acq: 13 Dec 2018 12:00

Tgt Ion:225 Resp: 301836
 Ion Ratio Lower Upper
 225 100
 223 64.7 31.2 93.6
 227 62.4 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: 20.259 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

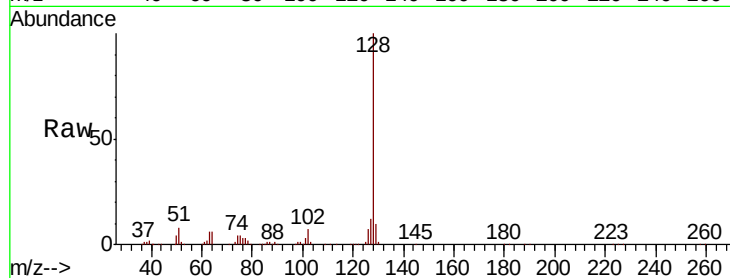
Tgt Ion:128 Resp: 477499

Ion Ratio Lower Upper

128 100

127 12.1 9.8 14.8

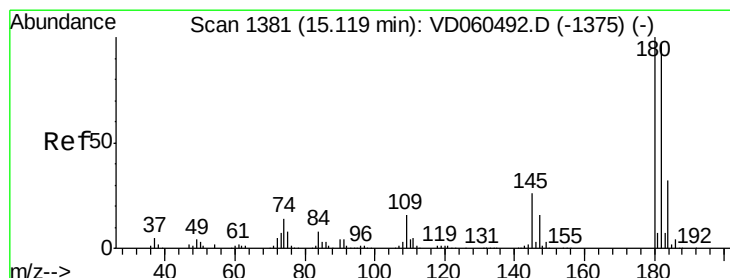
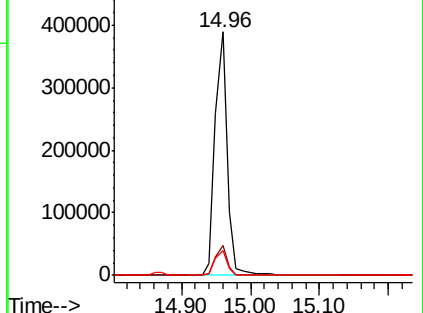
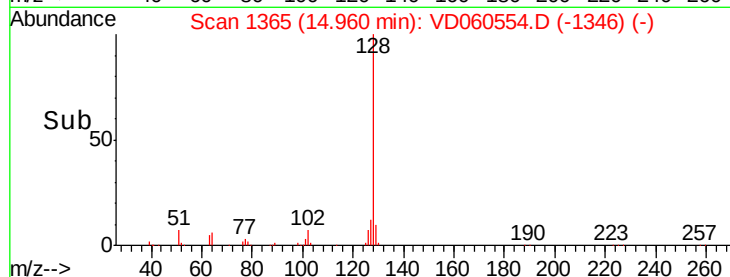
129 10.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.938 ug/l

RT: 15.11 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD060554.D

Acq: 13 Dec 2018 12:00

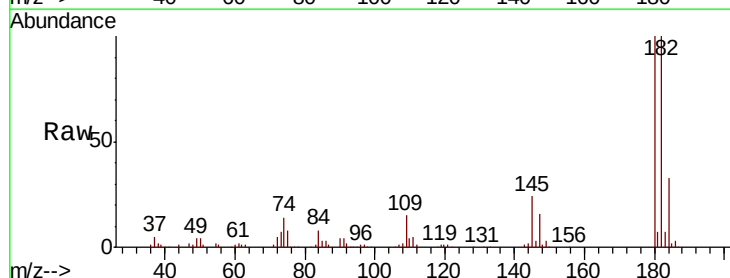
Tgt Ion:180 Resp: 314753

Ion Ratio Lower Upper

180 100

182 100.0 48.5 145.5

145 23.8 12.9 38.7



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

