

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121018\
 Data File : VD060517.D
 Acq On : 10 Dec 2018 11:36
 Operator : VA/AP
 Sample : VD1210SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Quant Time: Dec 11 06:45:14 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	6.41	168	1556257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2246026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1752300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	863943	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	592319	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
35) Dibromofluoromethane	6.33	113	853796	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	9.45	98	2451450	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.43	95	855423	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	464647	28.562	ug/l	96
3) Chloromethane	1.78	50	401968	25.139	ug/l	95
4) Vinyl Chloride	1.87	62	330369	25.888	ug/l	96
5) Bromomethane	2.16	94	62357	19.532	ug/l	100
6) Chloroethane	2.27	64	80409	18.127	ug/l	97
7) Trichlorofluoromethane	2.53	101	327710	22.240	ug/l	98
8) Diethyl Ether	2.84	74	54909	21.574	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.11	101	220706	23.085	ug/l	97
10) Methyl Iodide	3.25	142	247334	22.132	ug/l	95
11) Tert butyl alcohol	3.97	59	44076	98.352	ug/l #	90
12) 1,1-Dichloroethene	3.09	96	179877	23.124	ug/l	98
13) Acrolein	3.00	56	52356	106.919	ug/l	93
14) Allyl chloride	3.55	41	338469	22.934	ug/l	98
15) Acrylonitrile	4.10	53	293592	115.378	ug/l	98
16) Acetone	3.17	43	189529	107.192	ug/l	98
17) Carbon Disulfide	3.32	76	597253	23.637	ug/l	99
18) Methyl Acetate	3.57	43	96894	23.058	ug/l	96
19) Methyl tert-butyl Ether	4.13	73	494256	22.912	ug/l	98
20) Methylene Chloride	3.73	84	412794	23.012	ug/l	96
21) trans-1,2-Dichloroethene	4.11	96	399600	23.616	ug/l	99
22) Diisopropyl ether	4.86	45	1244489	23.486	ug/l	97
23) Vinyl Acetate	4.81	43	3049590	116.159	ug/l	99
24) 1,1-Dichloroethane	4.76	63	648438	23.556	ug/l	99
25) 2-Butanone	5.63	43	383168	110.149	ug/l	98
26) 2,2-Dichloropropane	5.59	77	525094	24.692	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	406625	23.635	ug/l	96
28) Bromochloromethane	5.93	49	262023	21.487	ug/l	99
29) Tetrahydrofuran	5.96	42	225453	114.451	ug/l	99
30) Chloroform	6.11	83	642642	23.172	ug/l	98
31) Cyclohexane	6.37	56	604892	23.680	ug/l	97
32) 1,1,1-Trichloroethane	6.30	97	534920	23.462	ug/l	99
36) 1,1-Dichloropropene	6.52	75	490534	22.343	ug/l	97
37) Ethyl Acetate	5.71	43	220176	23.125	ug/l	98
38) Carbon Tetrachloride	6.50	117	455376	23.104	ug/l	97

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Quant Time: Dec 11 06:45:14 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)
39) Methylcyclohexane	8.04	83	575688	23.002	ug/l	98
40) Benzene	6.80	78	1284134	22.886	ug/l	100
41) Methacrylonitrile	5.94	41	242602	47.267	ug/l #	76
42) 1,2-Dichloroethane	6.90	62	316251	22.168	ug/l	100
43) Isopropyl Acetate	8.34	43	257610	21.918	ug/l #	95
44) Trichloroethene	7.74	130	390098	23.264	ug/l	97
45) 1,2-Dichloropropane	8.11	63	317374	22.870	ug/l	98
46) Dibromomethane	8.21	93	179184	22.348	ug/l	98
47) Bromodichloromethane	8.49	83	432548	22.737	ug/l	97
48) Methyl methacrylate	8.24	41	163314	23.483	ug/l	98
49) 1,4-Dioxane	8.22	88	29825	473.188	ug/l	95
51) 4-Methyl-2-Pentanone	9.34	43	816899	111.734	ug/l	99
52) Toluene	9.54	92	785504	22.399	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	351684	22.498	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	464599	22.621	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	218282	22.351	ug/l	99
56) Ethyl methacrylate	10.03	69	195717	22.143	ug/l	99
57) 1,3-Dichloropropane	10.38	76	330411	21.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	574074	108.551	ug/l	100
59) 2-Hexanone	10.49	43	570309	111.600	ug/l	99
60) Dibromochloromethane	10.64	129	274711	22.498	ug/l	97
61) 1,2-Dibromoethane	10.75	107	214743	21.576	ug/l	99
64) Tetrachloroethene	10.25	164	358057	23.076	ug/l	98
65) Chlorobenzene	11.31	112	860432	23.210	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	270741	22.659	ug/l	99
67) Ethyl Benzene	11.42	91	1434376	22.684	ug/l	98
68) m/p-Xylenes	11.56	106	1103234	47.161	ug/l	95
69) o-Xylene	11.93	106	512376	22.983	ug/l	95
70) Styrene	11.95	104	833903	23.304	ug/l	99
71) Bromoform	12.11	173	174522	21.893	ug/l	98
73) Isopropylbenzene	12.27	105	1420000	23.227	ug/l	98
74) N-amyl acetate	12.13	43	331455	22.433	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	214803	21.947	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	217204	22.189	ug/l	100
77) Bromobenzene	12.53	156	367456	22.866	ug/l	93
78) n-propylbenzene	12.63	91	1805128	23.358	ug/l	99
79) 2-Chlorotoluene	12.70	91	973580	23.216	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1130625	24.203	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	59736	21.880	ug/l	92
82) 4-Chlorotoluene	12.81	91	1108352	23.532	ug/l	98
83) tert-Butylbenzene	13.05	119	1234313	23.565	ug/l	97
84) 1,2,4-Trimethylbenzene	13.10	105	1153613	23.849	ug/l	98
85) sec-Butylbenzene	13.22	105	1562901	23.940	ug/l	94
86) p-Isopropyltoluene	13.34	119	1211575	23.412	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	666943	22.922	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	660175	23.129	ug/l	99
89) n-Butylbenzene	13.65	91	1255031	21.942	ug/l	98
90) Hexachloroethane	13.85	117	302168	23.288	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	544931	22.918	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	26086	21.996	ug/l	63

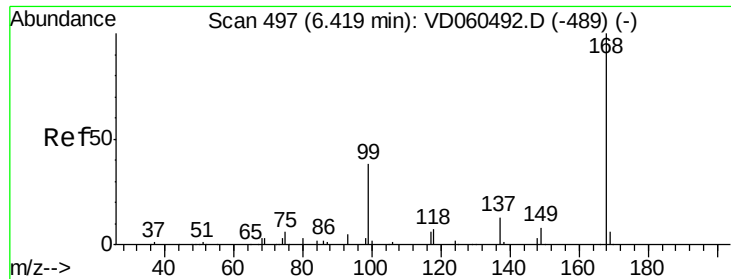
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121018\
Data File : VD060517.D
Acq On : 10 Dec 2018 11:36
Operator : VA/AP
Sample : VD1210SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

Quant Time: Dec 11 06:45:14 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.79	180	422808	22.746	ug/l	98
94) Hexachlorobutadiene	14.88	225	311786	22.734	ug/l	99
95) Naphthalene	14.97	128	498119	22.526	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	330698	22.328	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

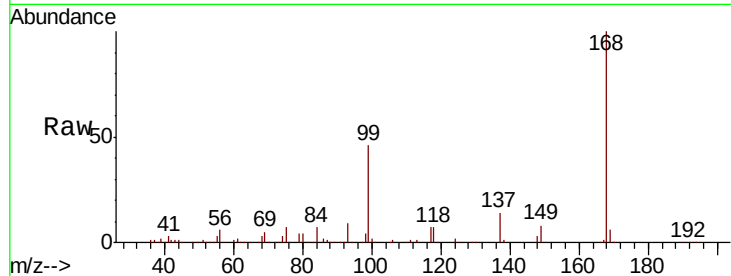
VD1210SBS01

Tot Ion:168 Resp: 1556257

Ion Ratio Lower Upper

168 100

99 45.6 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

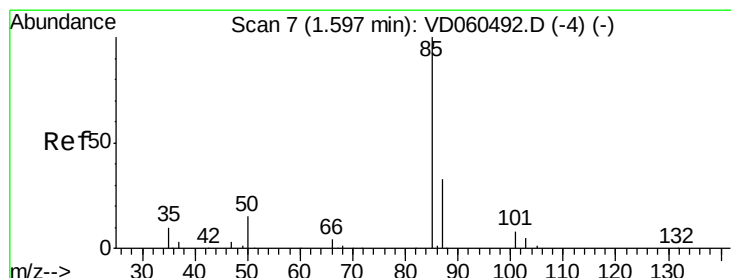
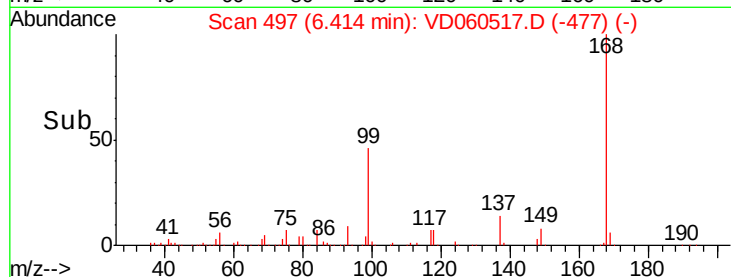
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 28.562 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060517.D

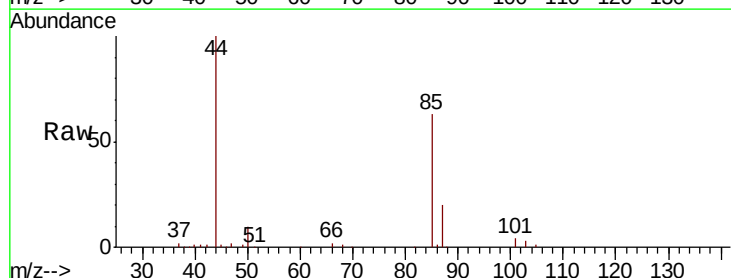
Acq: 10 Dec 2018 11:36

Tgt Ion: 85 Resp: 464647

Ion Ratio Lower Upper

85 100

87 31.2 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

200000

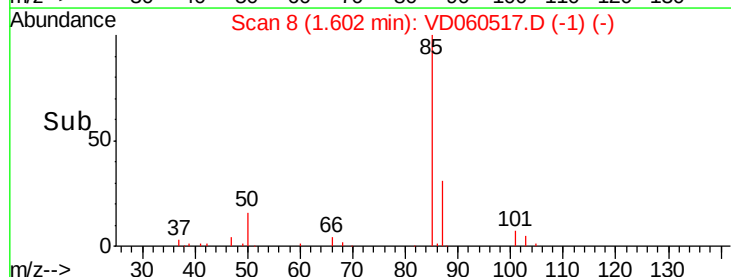
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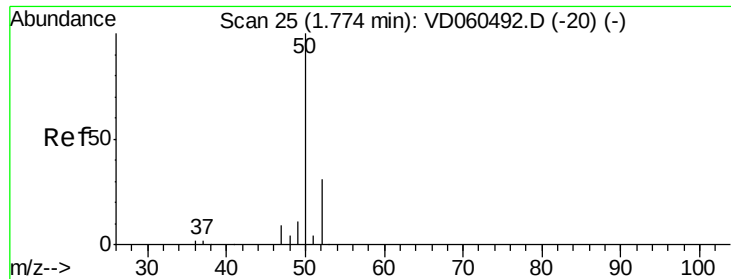
100000

50000

0

Time-->





#3

Chloromethane

Concen: 25.139 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

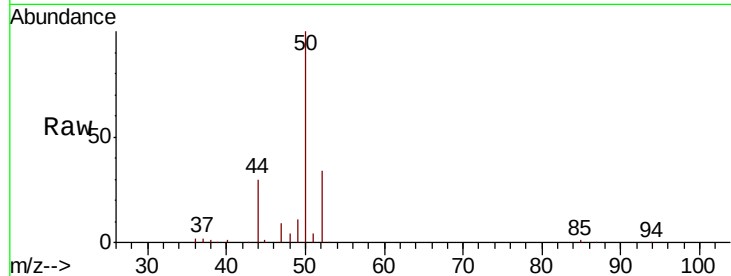
VD1210SBS01

Tot Ion: 50 Resp: 401968

Ion Ratio Lower Upper

50 100

52 33.9 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.78

150000

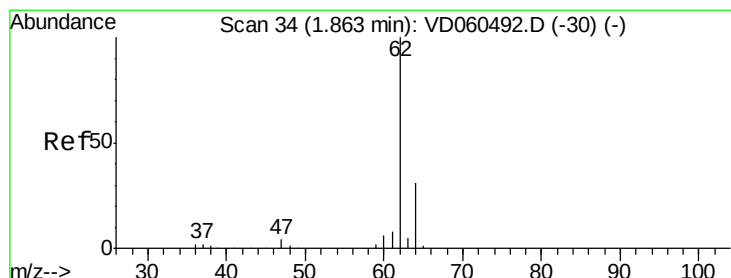
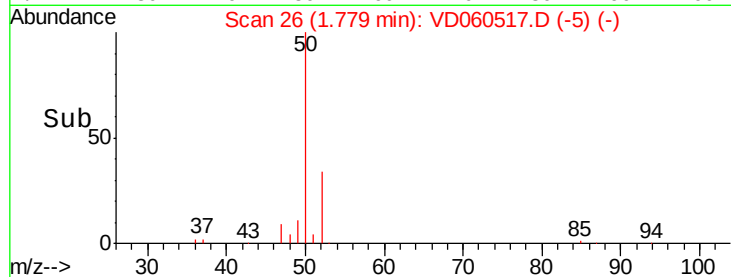
100000

50000

0

1.70 1.80 1.90 2.00

Time-->



#4

Vinyl Chloride

Concen: 25.888 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060517.D

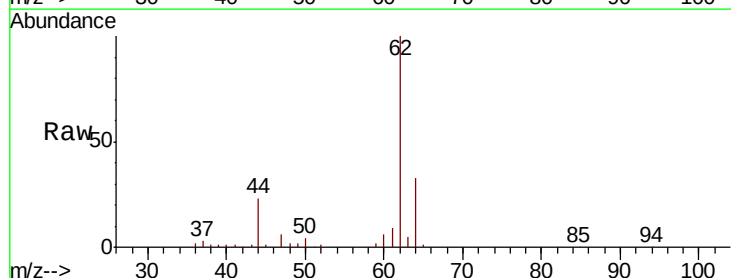
Acq: 10 Dec 2018 11:36

Tgt Ion: 62 Resp: 330369

Ion Ratio Lower Upper

62 100

64 32.8 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

150000

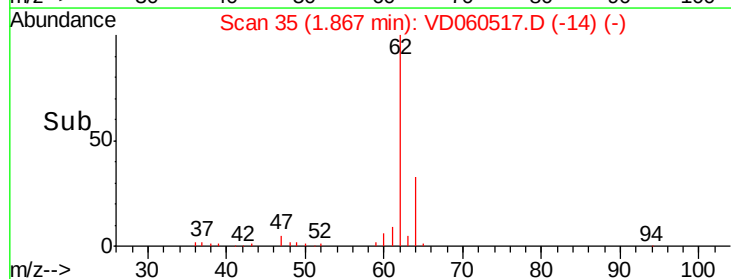
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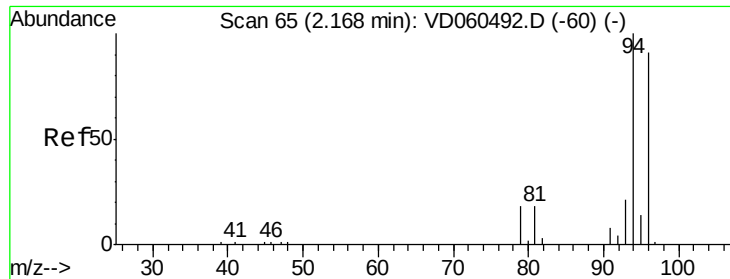
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 19.532 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

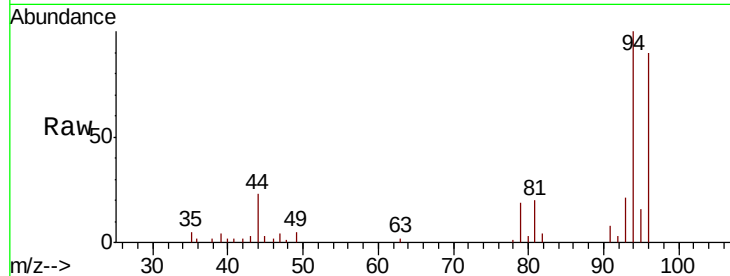
VD1210SBS01

Tot Ion: 94 Resp: 62357

Ion Ratio Lower Upper

94 100

96 90.3 72.6 108.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.16

25000

20000

15000

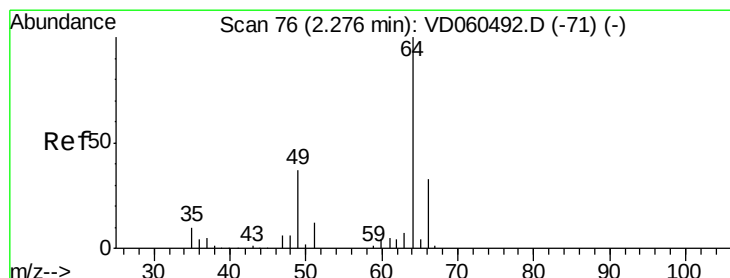
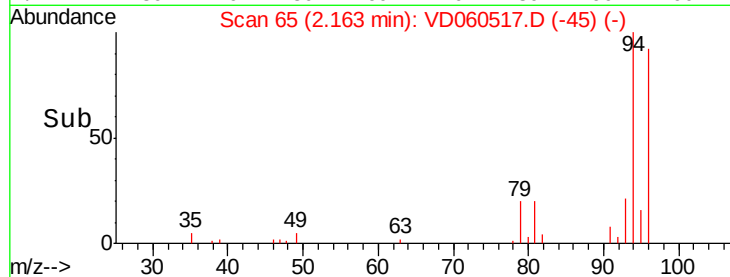
10000

5000

0

Time-->

2.10 2.20 2.30



#6

Chloroethane

Concen: 18.127 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD060517.D

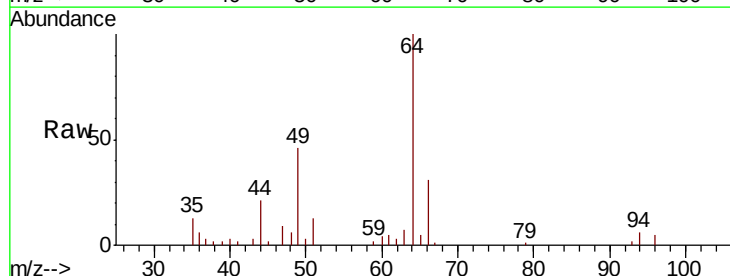
Acq: 10 Dec 2018 11:36

Tgt Ion: 64 Resp: 80409

Ion Ratio Lower Upper

64 100

66 31.5 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.27

30000

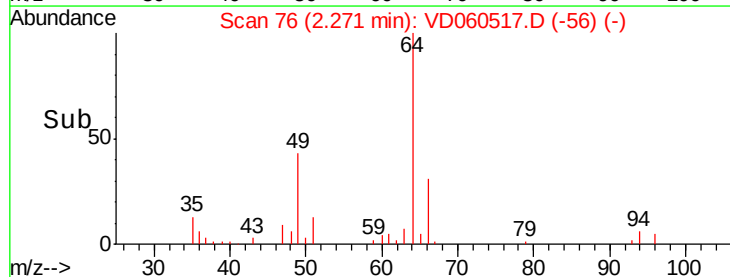
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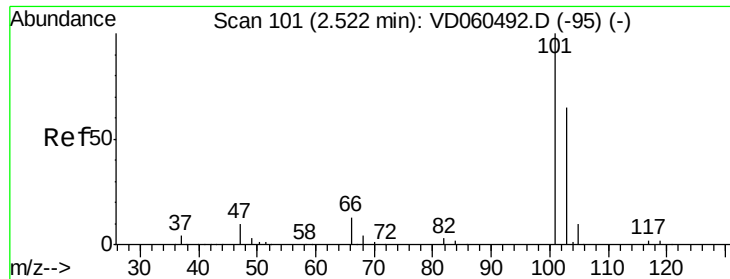
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Time-->

2.20 2.30 2.40 2.50



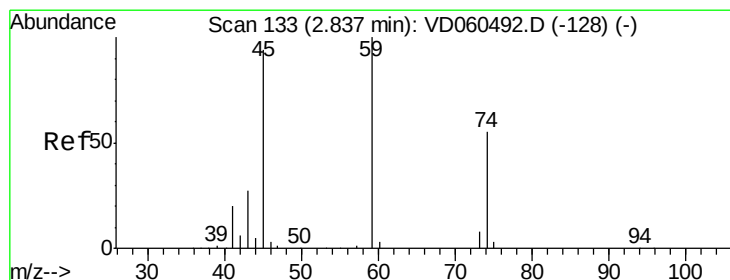
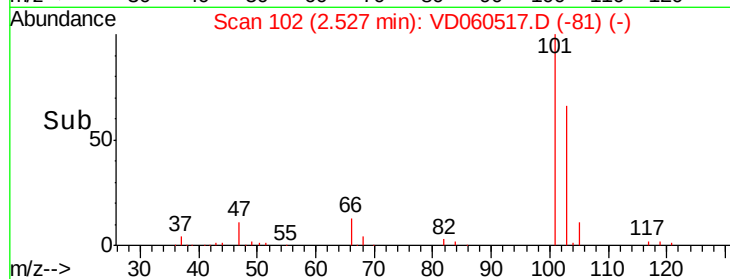
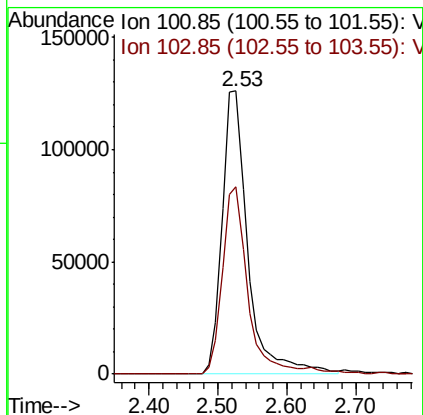
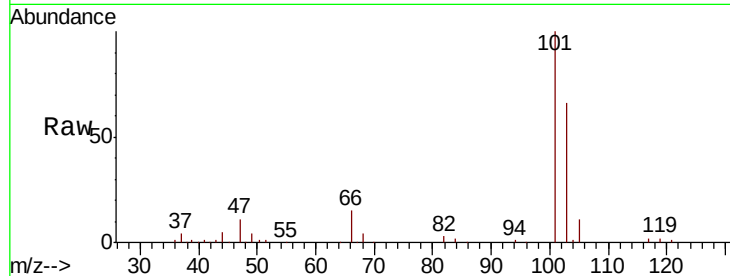


#7

Trichlorofluoromethane
 Concen: 22.240 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

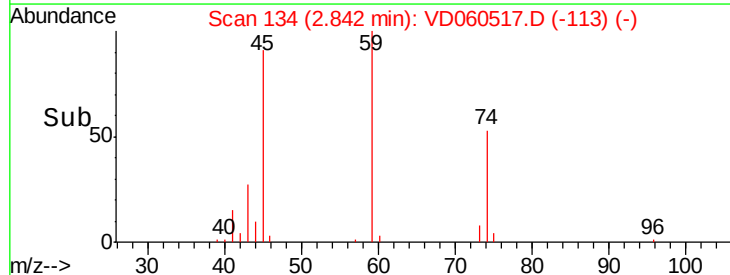
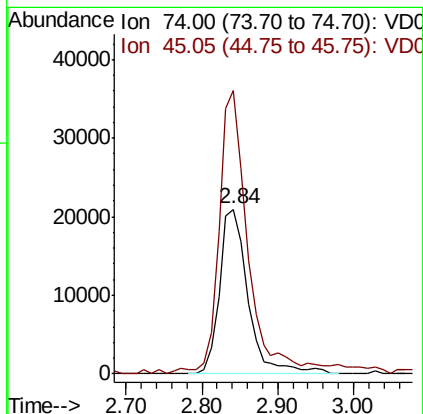
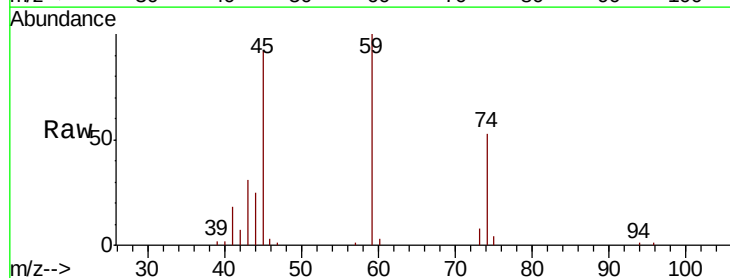
Tot Ion:101 Resp: 327710
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.8 77.8

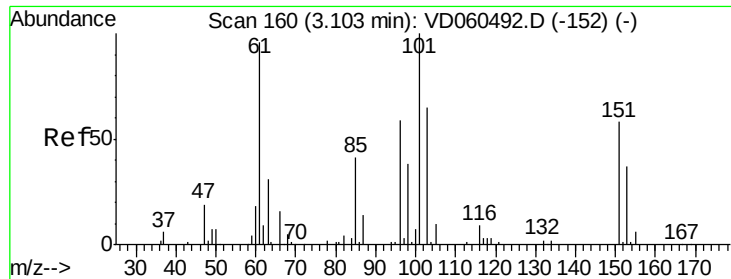


#8

Diethyl Ether
 Concen: 21.574 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

Tgt Ion: 74 Resp: 54909
 Ion Ratio Lower Upper
 74 100
 45 171.8 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.085 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

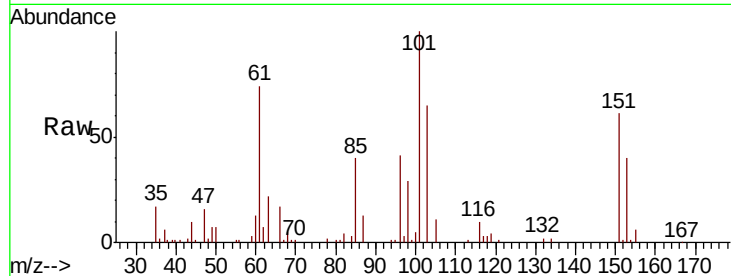
Tot Ion:101 Resp: 220706

Ion Ratio Lower Upper

101 100

85 39.7 32.7 49.1

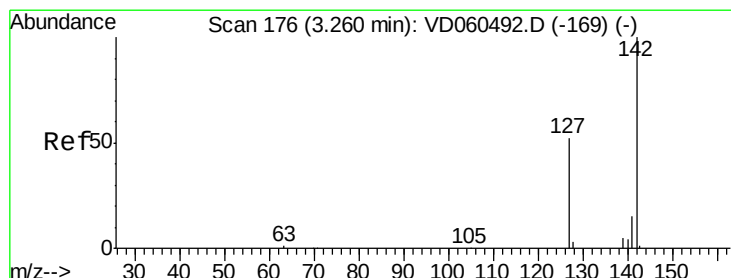
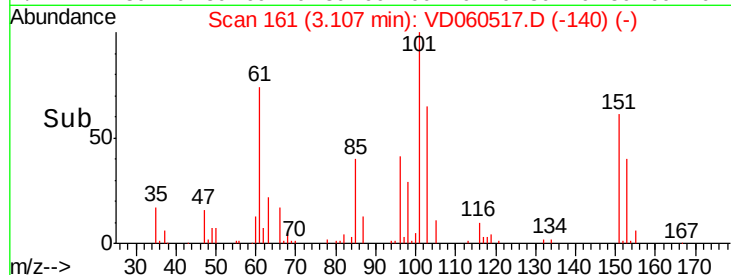
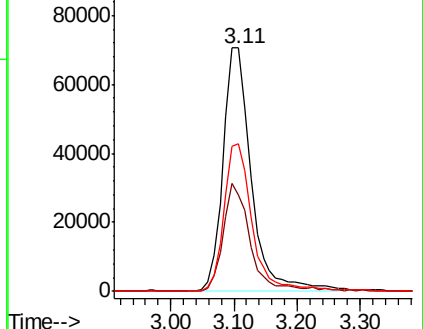
151 60.5 46.6 69.8



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: 22.132 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

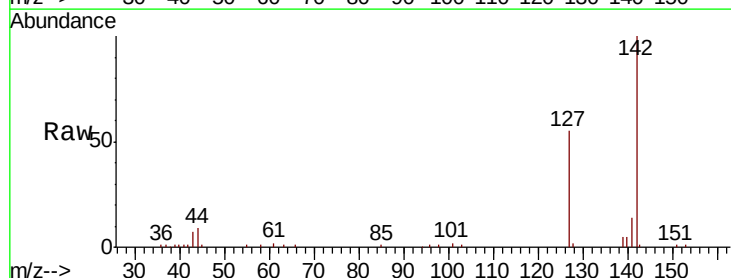
Tgt Ion:142 Resp: 247334

Ion Ratio Lower Upper

142 100

127 55.3 41.2 61.8

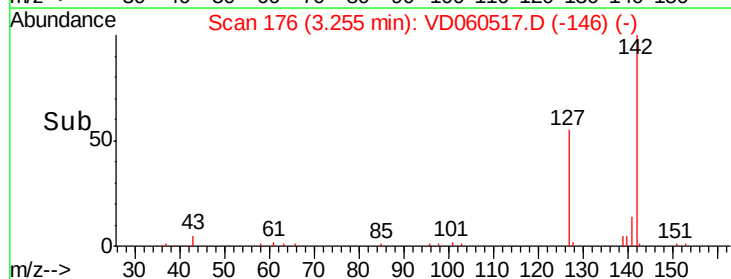
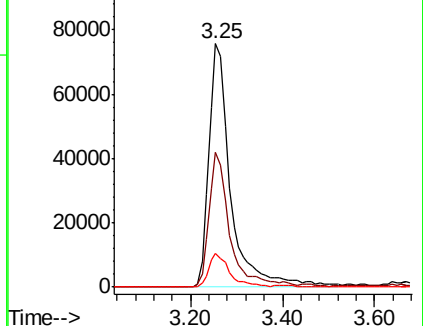
141 13.8 11.9 17.9

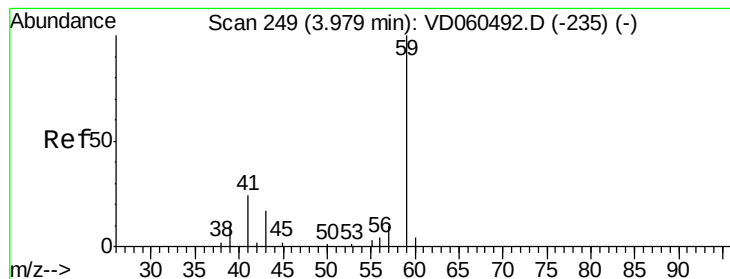


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 98.352 ug/l

RT: 3.97 min Scan# 249

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

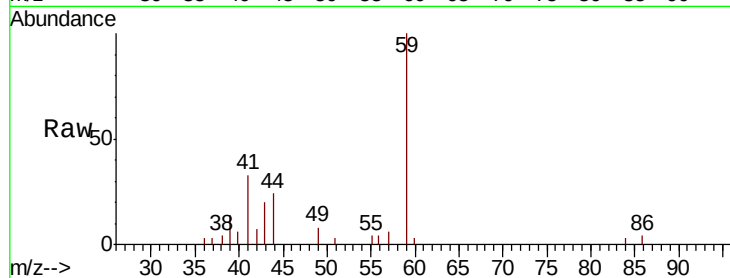
VD1210SBS01

Tot Ion: 59 Resp: 44076

Ion Ratio Lower Upper

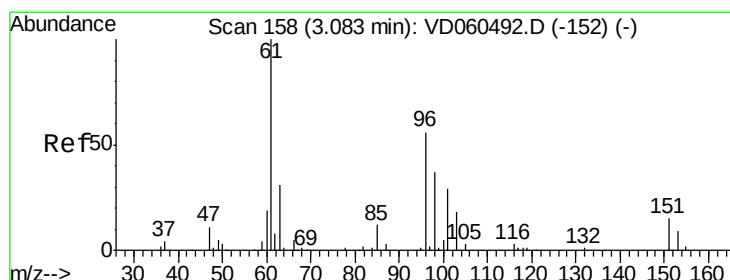
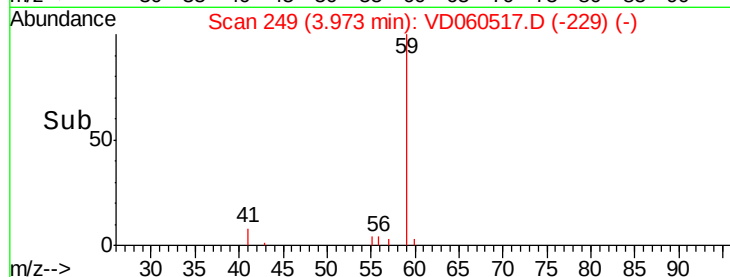
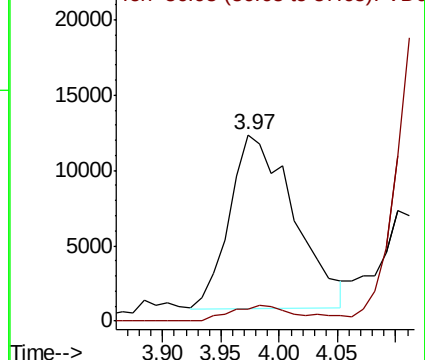
59 100

57 6.3 8.1 12.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 23.124 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

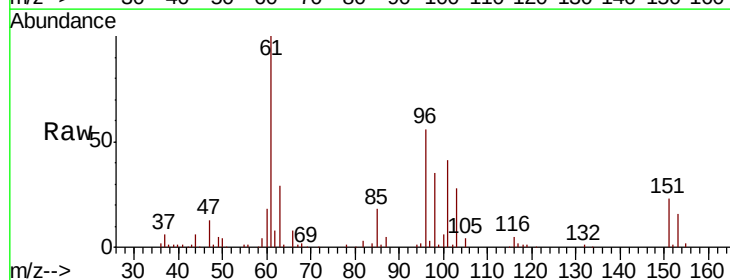
Tgt Ion: 96 Resp: 179877

Ion Ratio Lower Upper

96 100

61 177.3 143.0 214.4

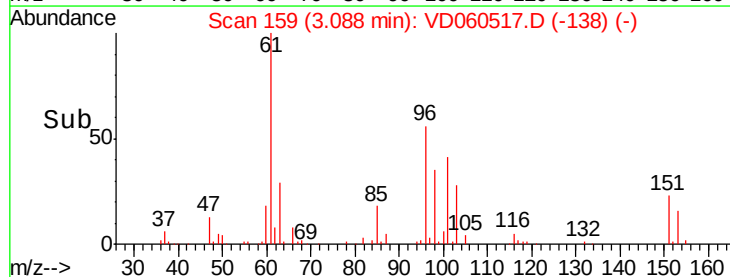
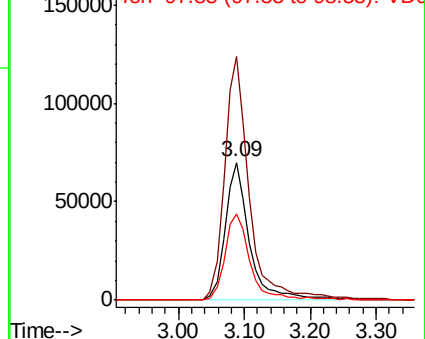
98 62.9 53.4 80.0

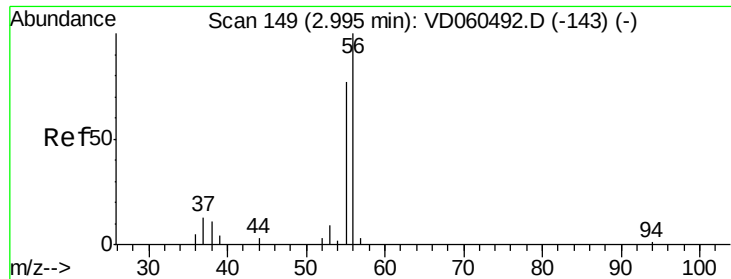


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

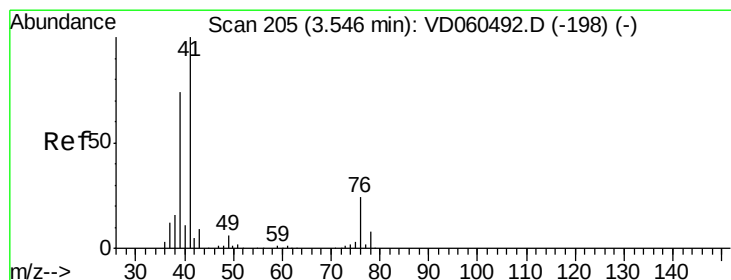
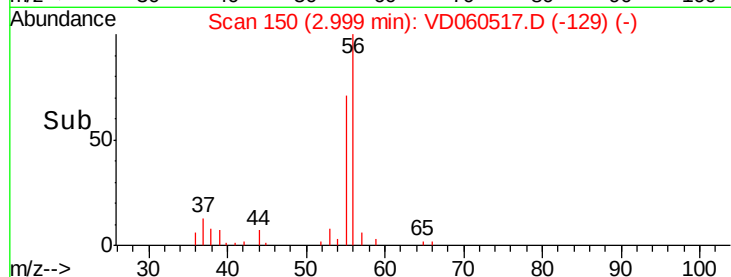
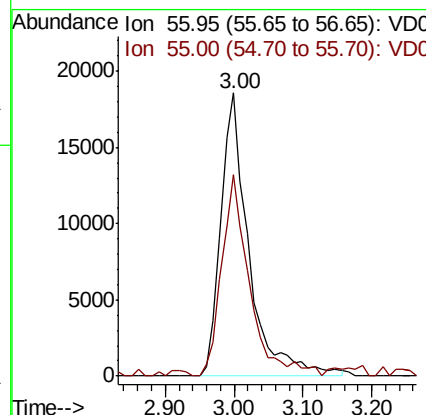
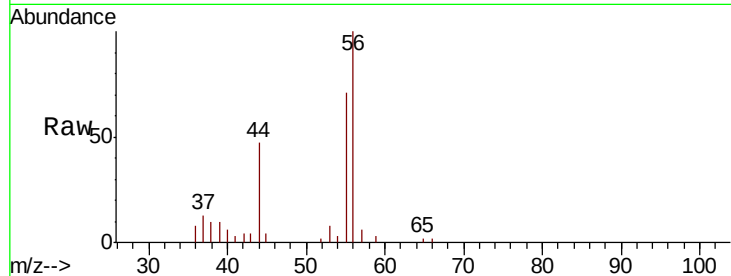




#13
Acrolein
Concen: 106.919 ug/l
RT: 3.00 min Scan# 150
Delta R.T. 0.00 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

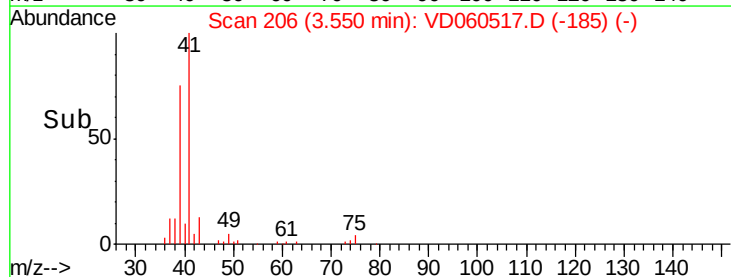
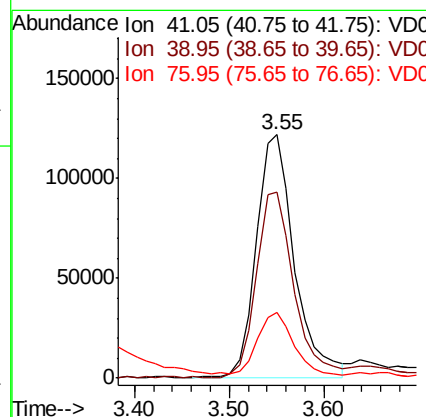
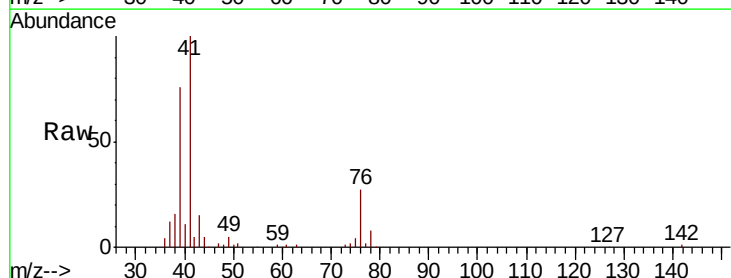
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

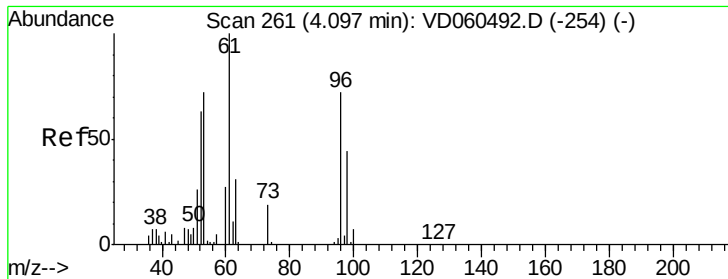
Tot Ion: 56 Resp: 52356
Ion Ratio Lower Upper
56 100
55 71.3 62.0 93.0



#14
Allyl chloride
Concen: 22.934 ug/l
RT: 3.55 min Scan# 206
Delta R.T. 0.00 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Tgt Ion: 41 Resp: 338469
Ion Ratio Lower Upper
41 100
39 76.2 59.3 88.9
76 27.0 21.0 31.6





#15

Acrylonitrile

Concen: 115.378 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

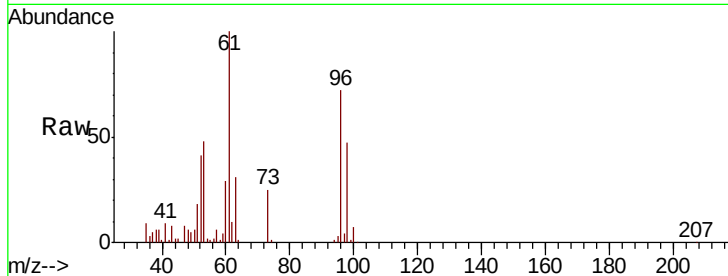
Tot Ion: 53 Resp: 293592

Ion Ratio Lower Upper

53 100

52 85.6 70.0 105.0

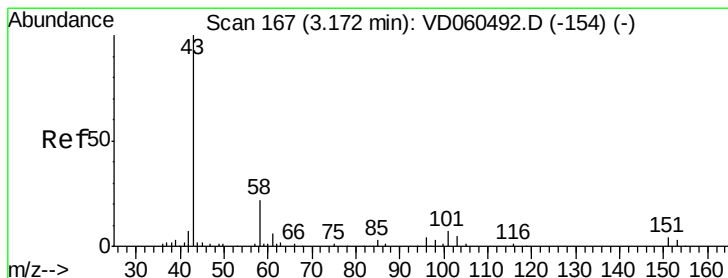
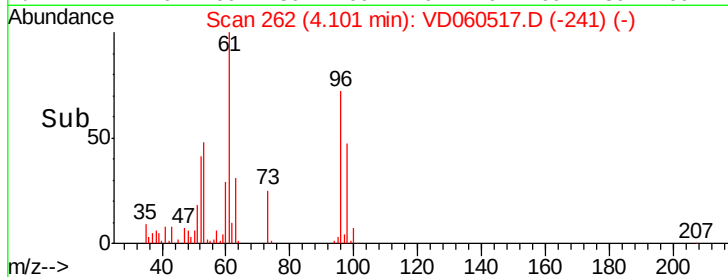
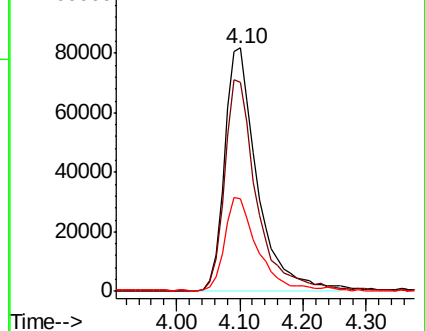
51 37.9 28.8 43.2



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: 107.192 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD060517.D

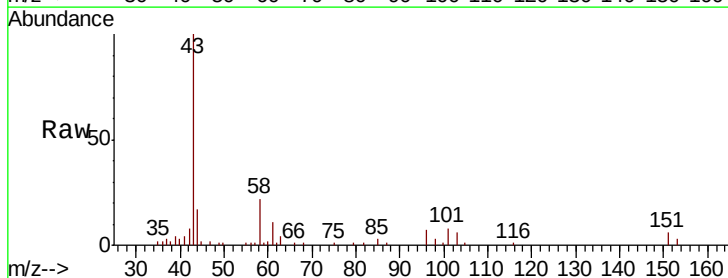
Acq: 10 Dec 2018 11:36

Tgt Ion: 43 Resp: 189529

Ion Ratio Lower Upper

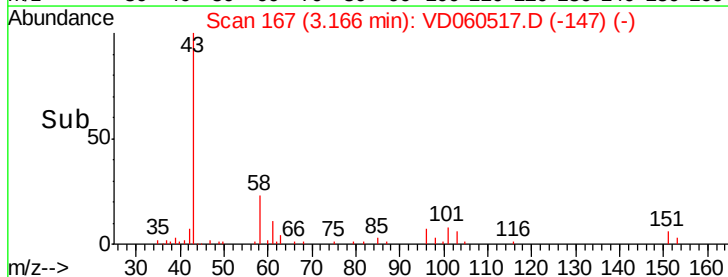
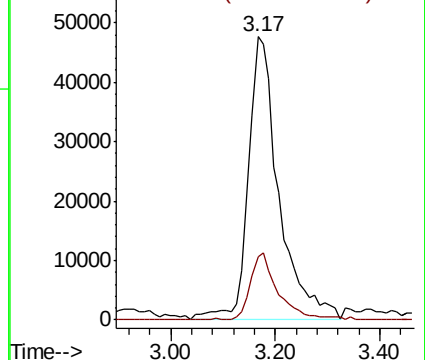
43 100

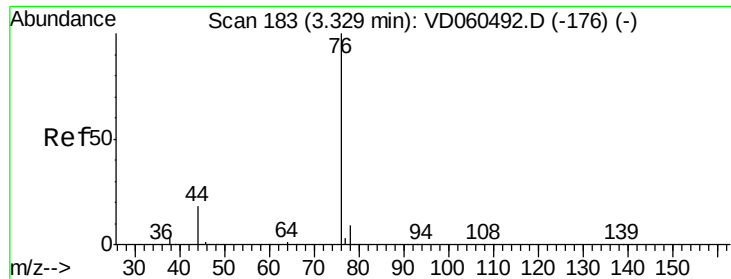
58 22.5 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

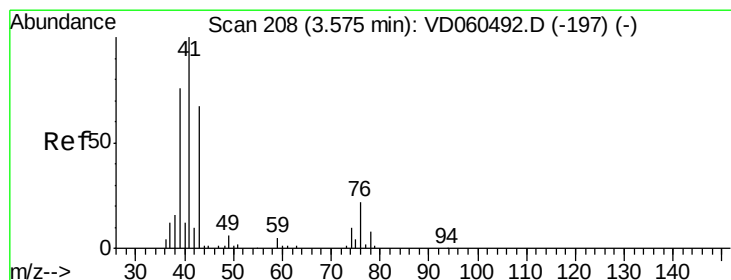
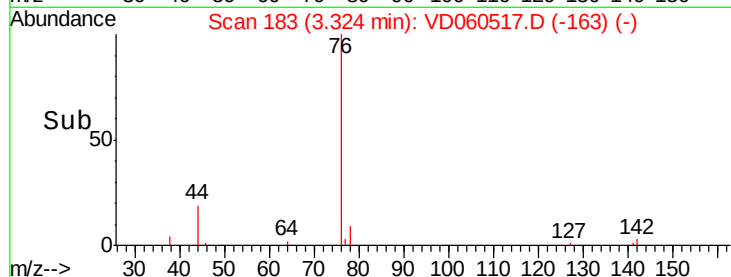
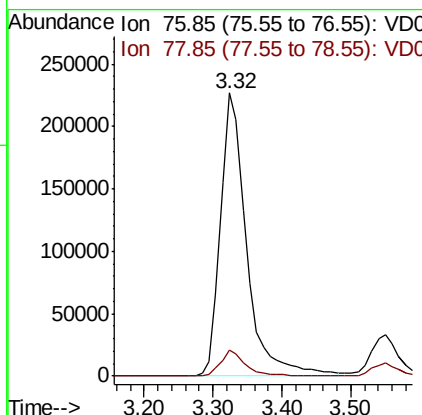
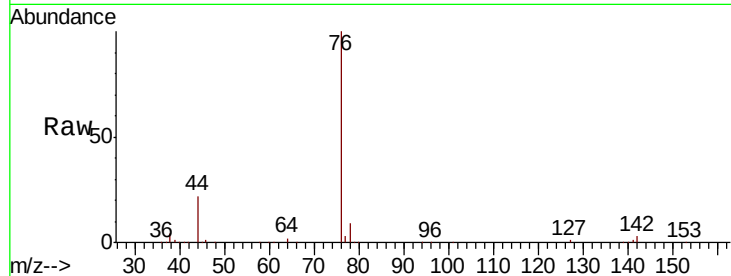




#17
Carbon Disulfide
Concen: 23.637 ug/l
RT: 3.32 min Scan# 183
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

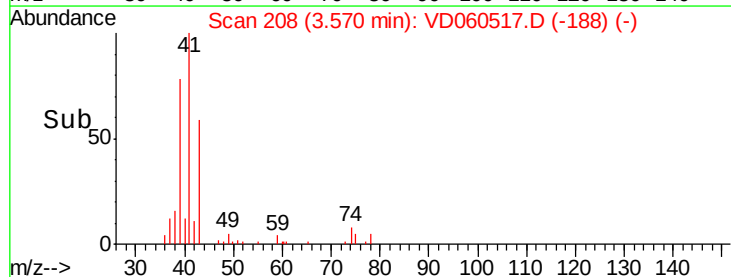
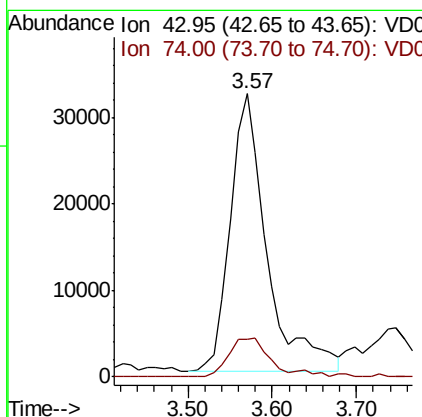
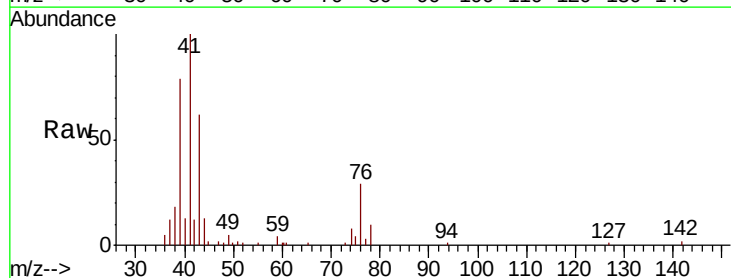
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

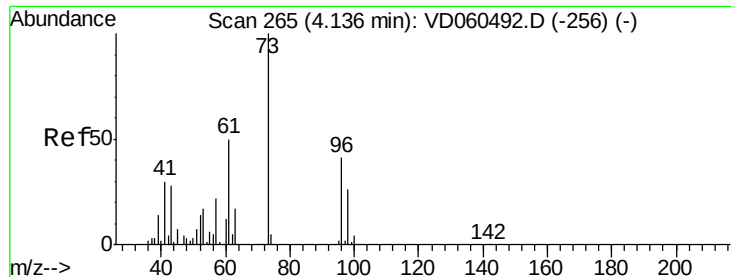
Tot Ion: 76 Resp: 597253
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 23.058 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Tgt Ion: 43 Resp: 96894
Ion Ratio Lower Upper
43 100
74 13.4 12.0 18.0

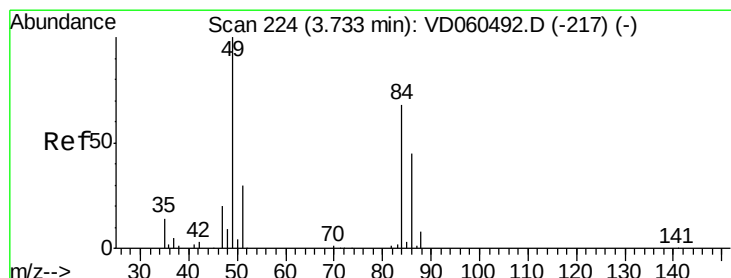
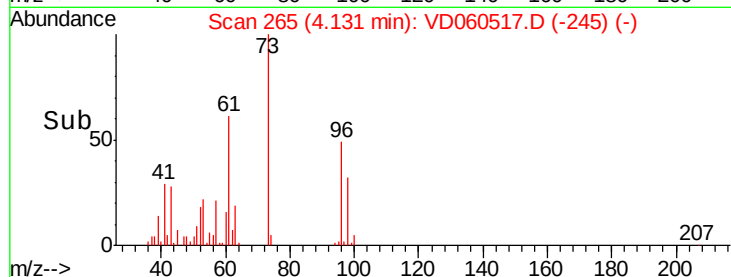
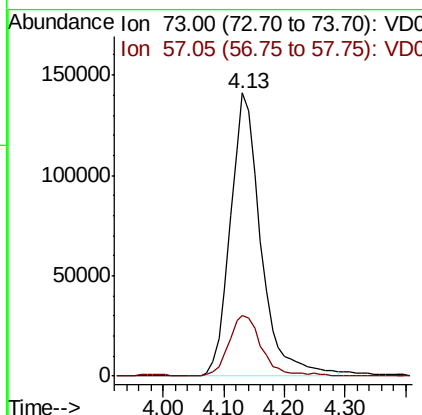
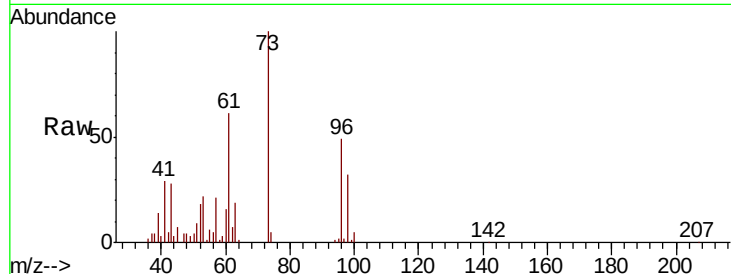




#19
Methyl tert-butyl Ether
Concen: 22.912 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

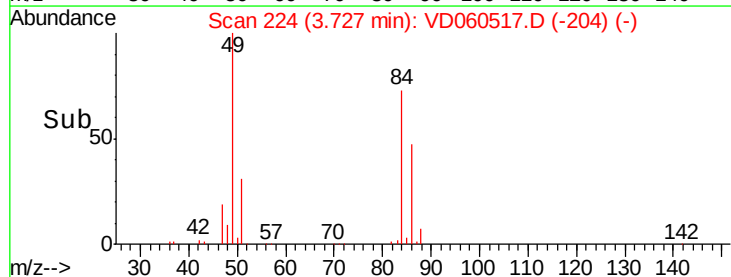
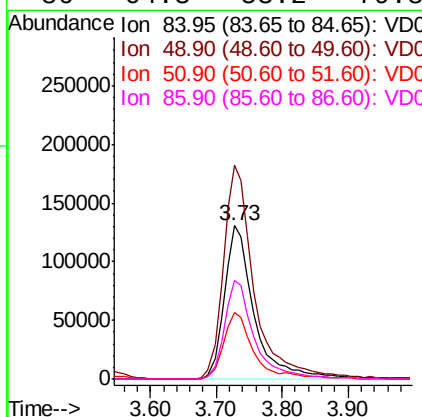
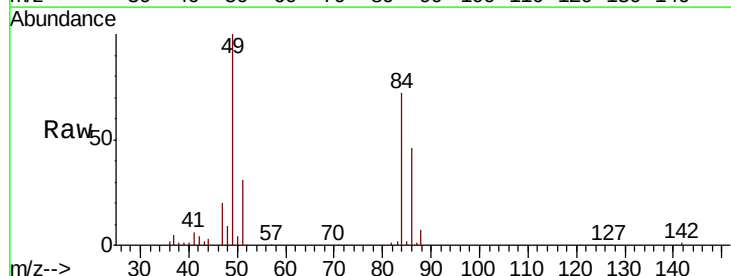
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

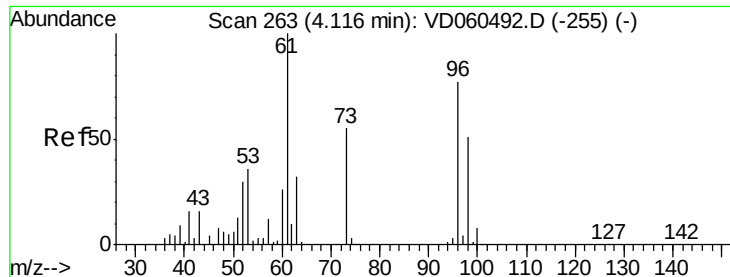
Tot Ion: 73 Resp: 494256
Ion Ratio Lower Upper
73 100
57 21.4 17.8 26.6



#20
Methylene Chloride
Concen: 23.012 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Tgt Ion: 84 Resp: 412794
Ion Ratio Lower Upper
84 100
49 139.6 117.2 175.8
51 43.1 35.3 52.9
86 64.3 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 23.616 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

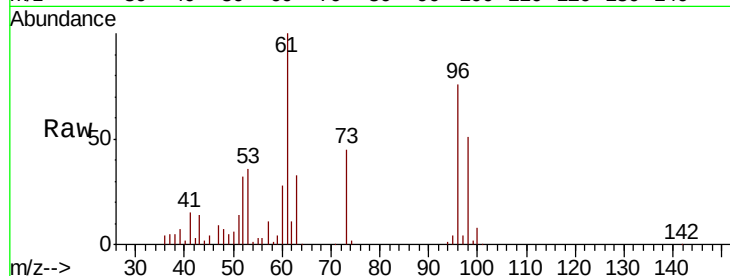
Tot Ion: 96 Resp: 399600

Ion Ratio Lower Upper

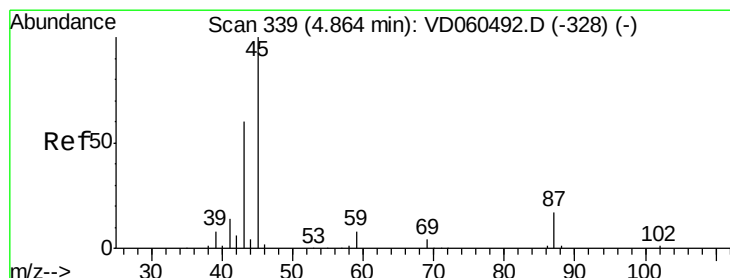
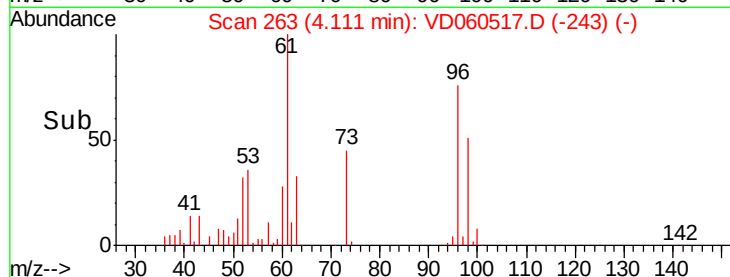
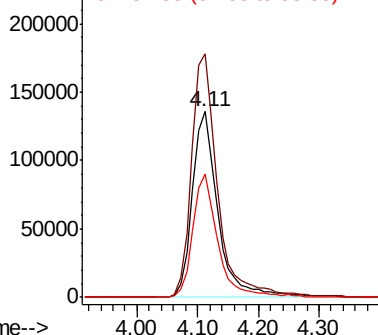
96 100

61 131.1 104.2 156.4

98 66.5 52.8 79.2



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



#22

Diisopropyl ether

Concen: 23.486 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Tgt Ion: 45 Resp: 1244489

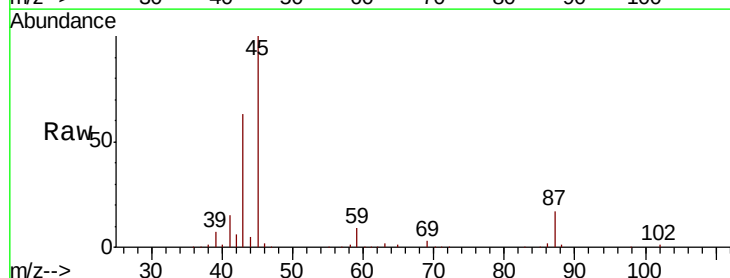
Ion Ratio Lower Upper

45 100

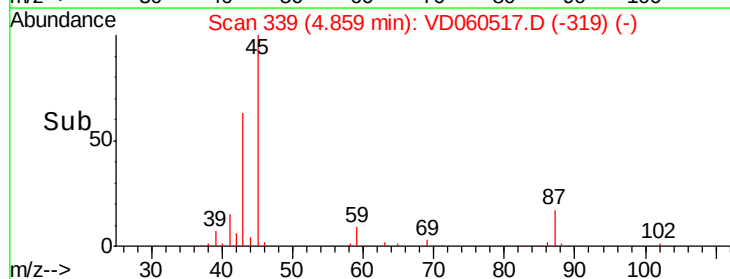
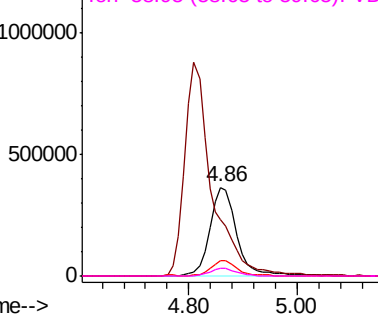
43 63.3 48.6 73.0

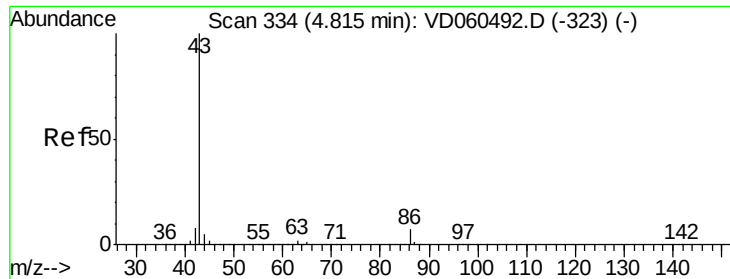
87 16.9 14.0 21.0

59 9.3 6.9 10.3



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





#23

Vinyl Acetate

Concen: 116.159 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

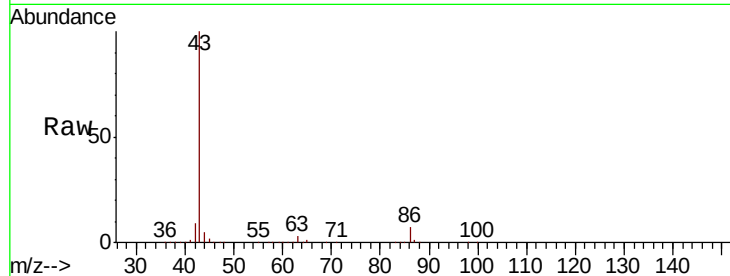
VD1210SBS01

Tot Ion: 43 Resp: 3049590

Ion Ratio Lower Upper

43 100

86 6.5 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1000000

800000

600000

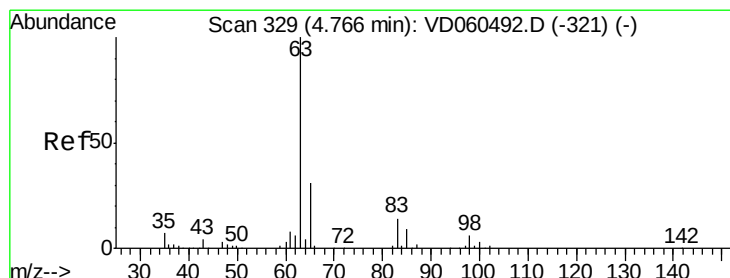
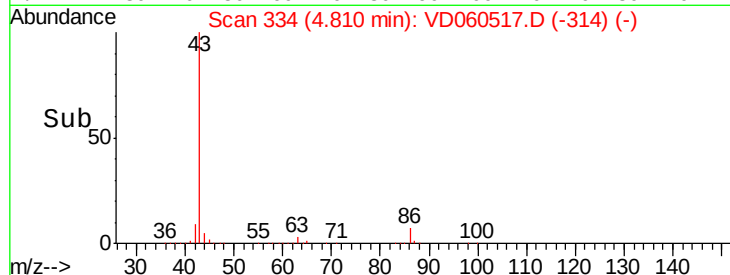
400000

200000

0

4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 23.556 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

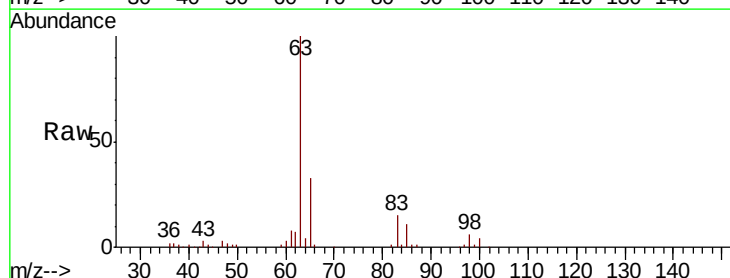
Tgt Ion: 63 Resp: 648438

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

100 3.7 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

250000

200000

150000

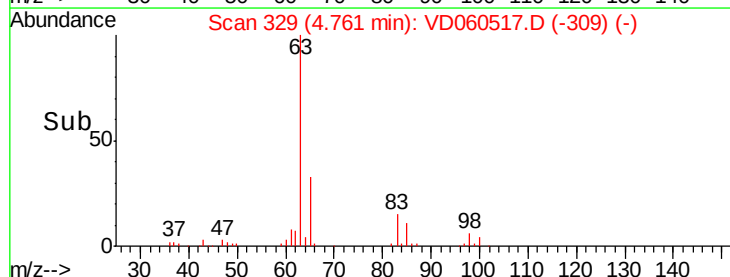
100000

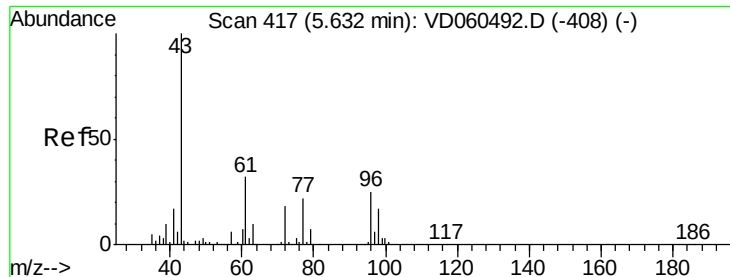
50000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 110.149 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

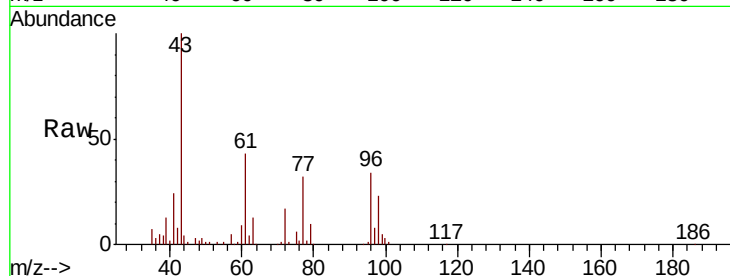
VD1210SBS01

Tot Ion: 43 Resp: 383168

Ion Ratio Lower Upper

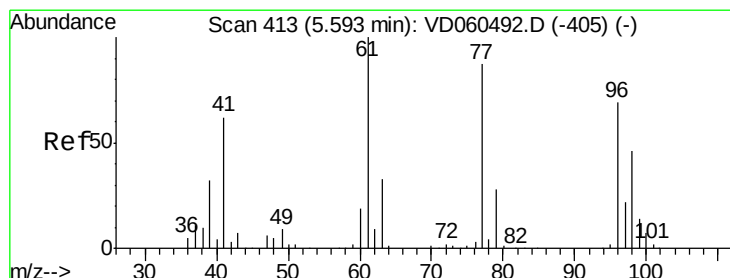
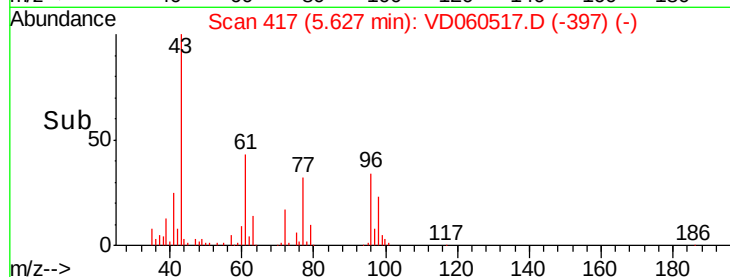
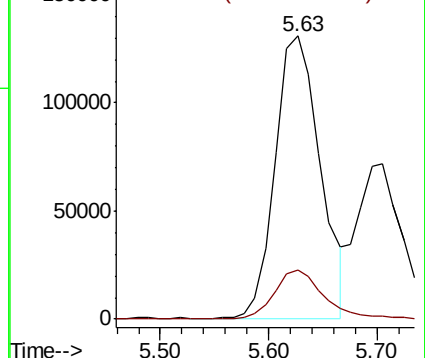
43 100

72 17.4 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: 24.692 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060517.D

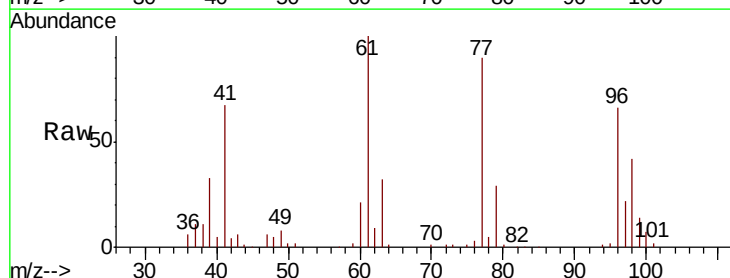
Acq: 10 Dec 2018 11:36

Tgt Ion: 77 Resp: 525094

Ion Ratio Lower Upper

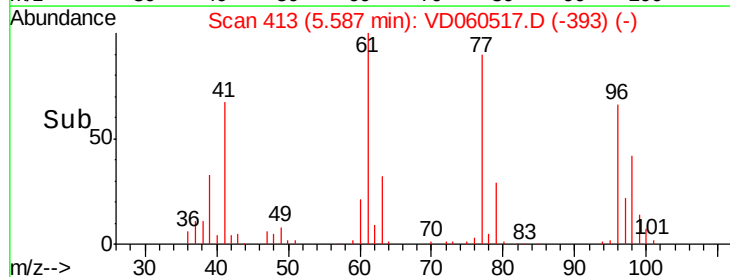
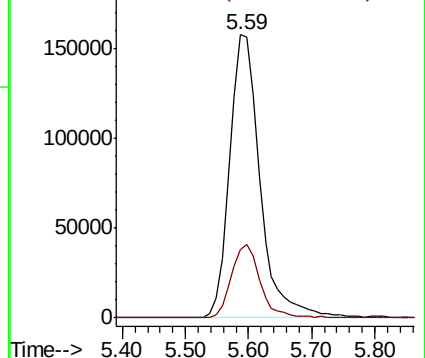
77 100

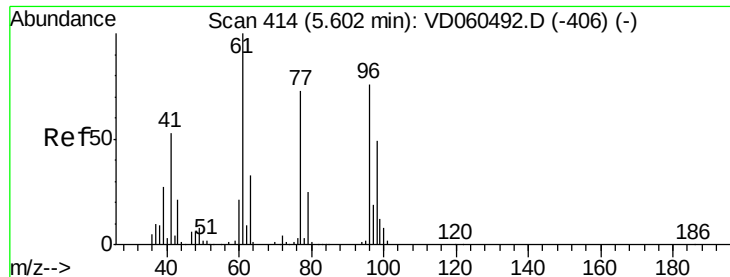
97 24.0 12.7 38.0



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: 23.635 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

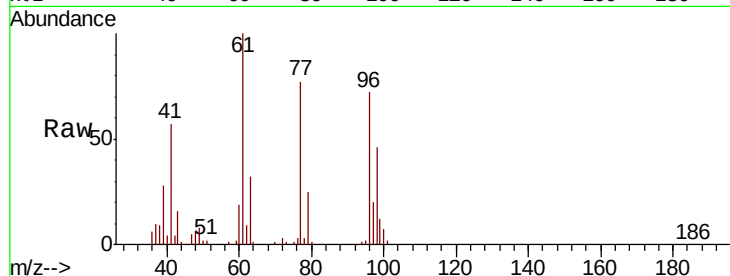
Tot Ion: 96 Resp: 406625

Ion Ratio Lower Upper

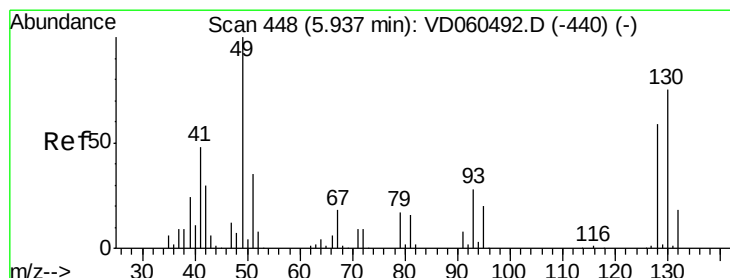
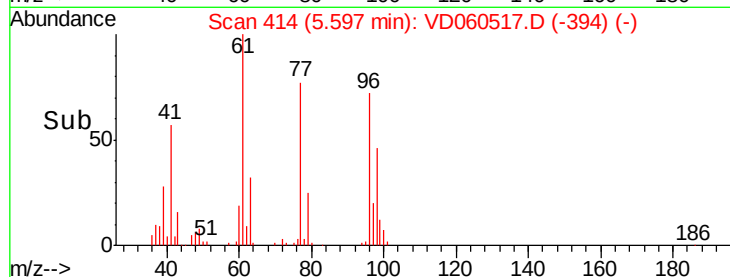
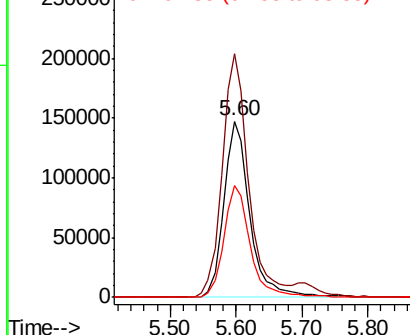
96 100

61 138.2 0.0 263.6

98 63.6 0.0 128.2



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



#28

Bromochloromethane

Concen: 21.487 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

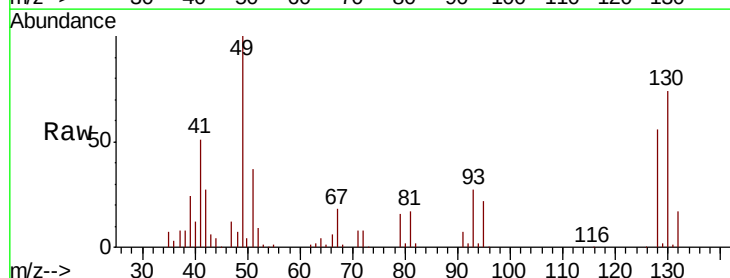
Tgt Ion: 49 Resp: 262023

Ion Ratio Lower Upper

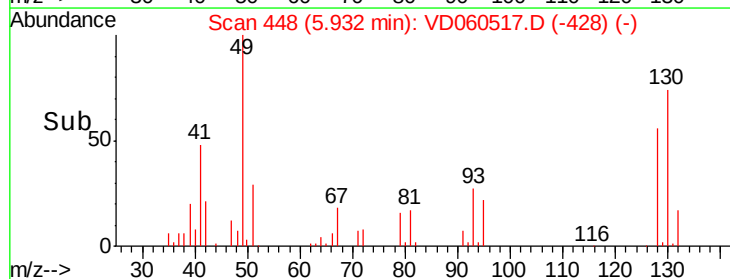
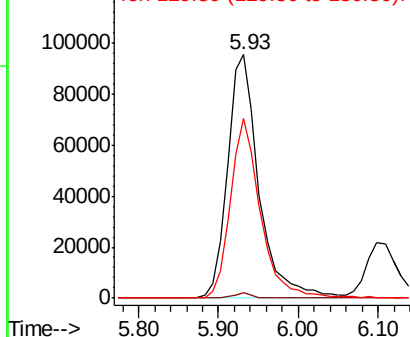
49 100

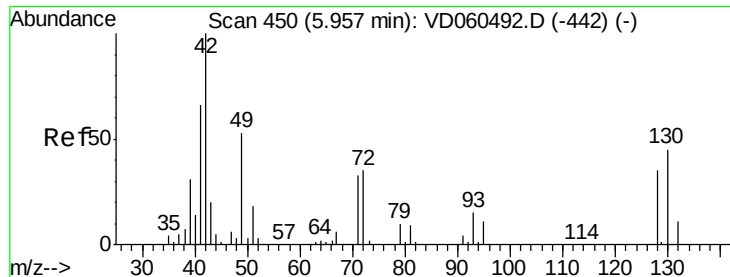
129 2.1 0.0 3.4

130 73.6 59.8 89.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

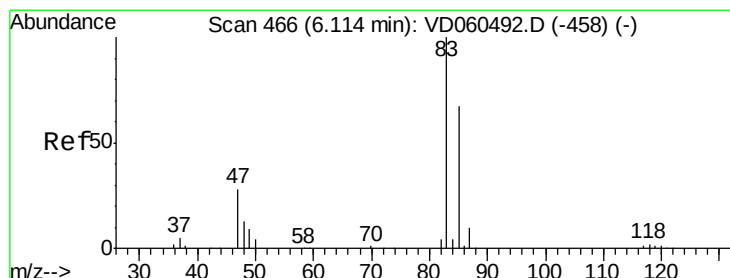
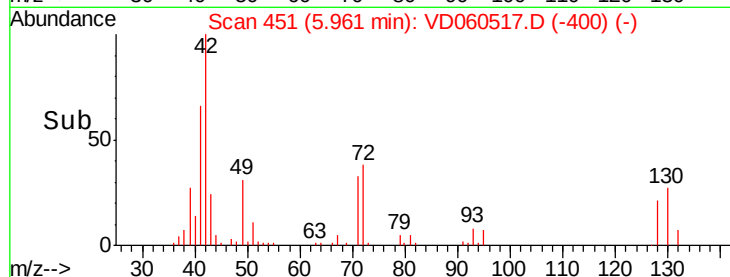
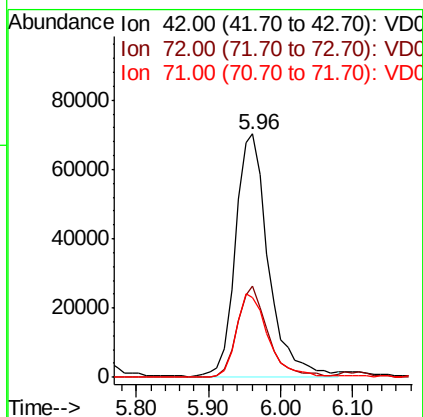
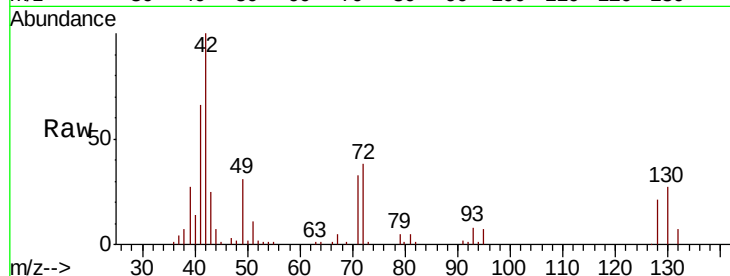




#29
Tetrahydrofuran
Concen: 114.451 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

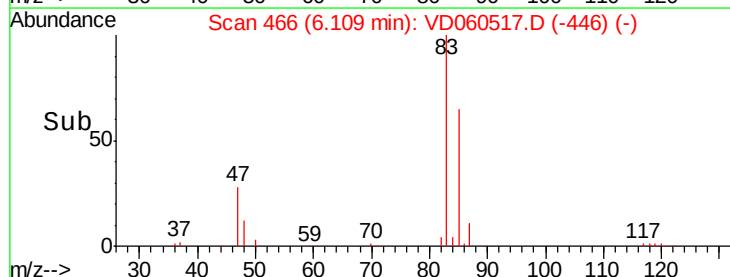
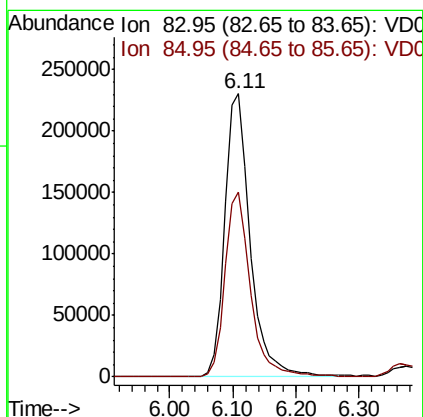
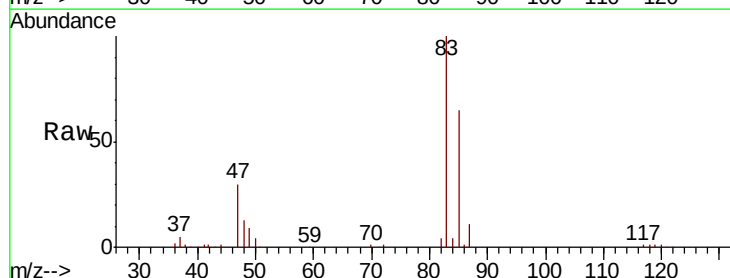
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

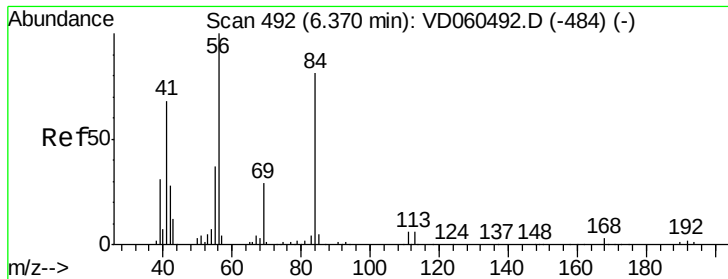
Tot Ion: 42 Resp: 225453
Ion Ratio Lower Upper
42 100
72 34.5 28.0 42.0
71 33.2 27.2 40.8



#30
Chloroform
Concen: 23.172 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Tgt Ion: 83 Resp: 642642
Ion Ratio Lower Upper
83 100
85 65.5 53.4 80.2

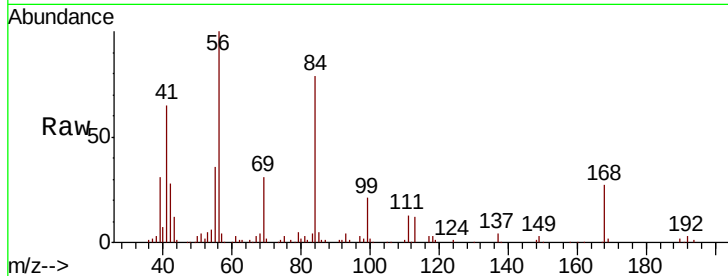




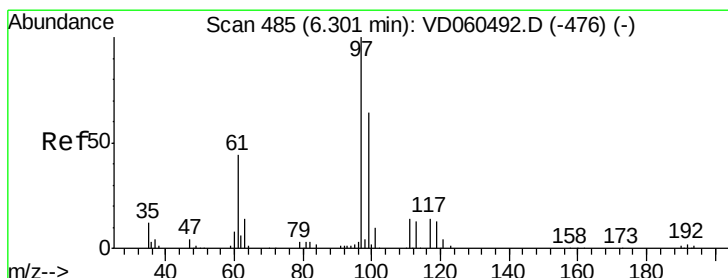
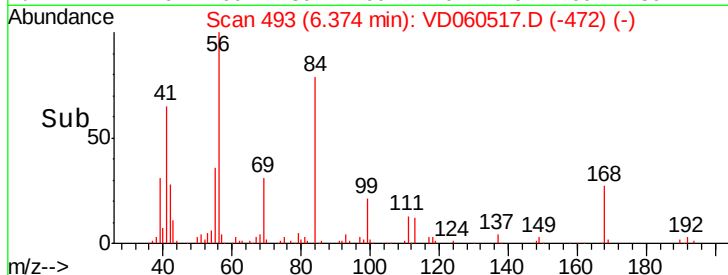
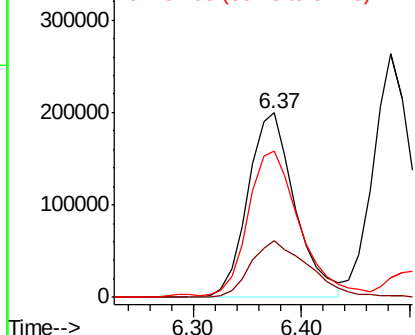
#31
Cyclohexane
Concen: 23.680 ug/l
RT: 6.37 min Scan# 493
Delta R.T. 0.00 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

Tot Ion: 56 Resp: 604892
Ion Ratio Lower Upper
56 100
69 30.8 22.8 34.2
84 79.1 65.1 97.7

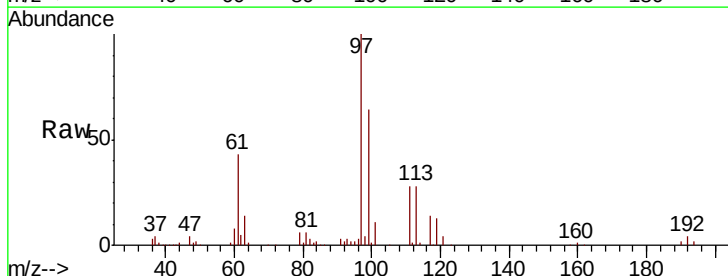


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

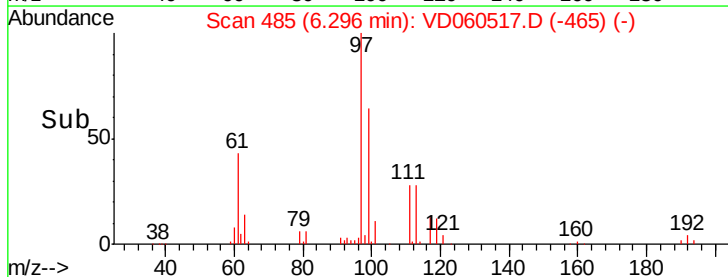
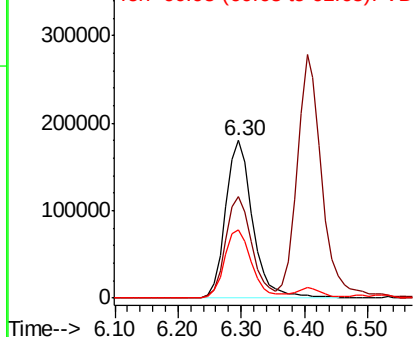


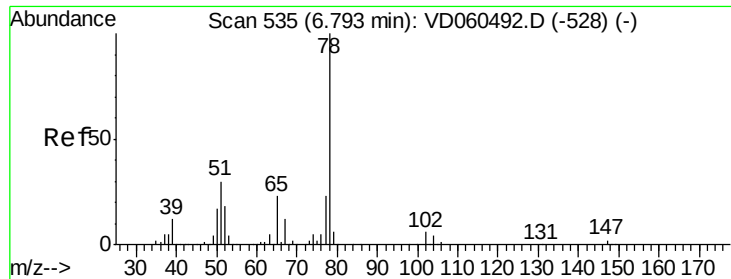
#32
1,1,1-Trichloroethane
Concen: 23.462 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Tgt Ion: 97 Resp: 534920
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.4
61 43.2 35.3 52.9



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

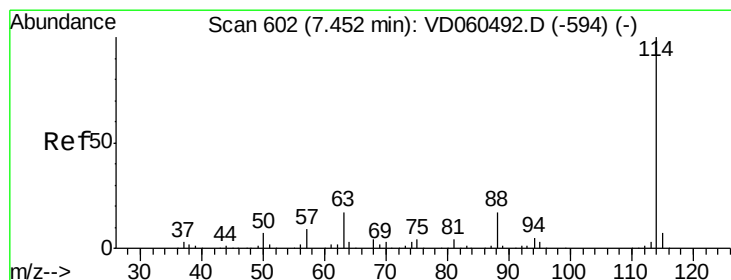
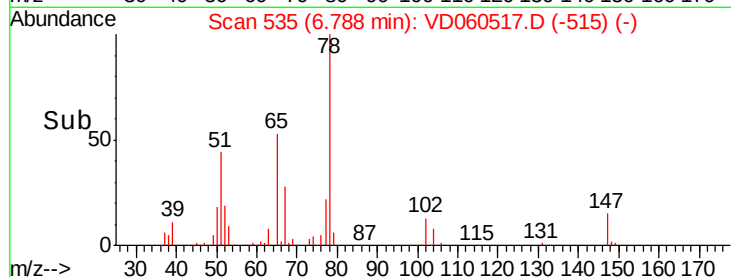
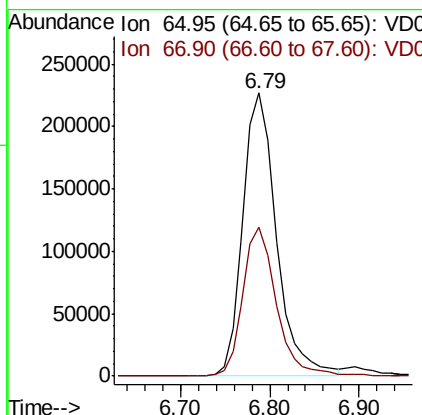
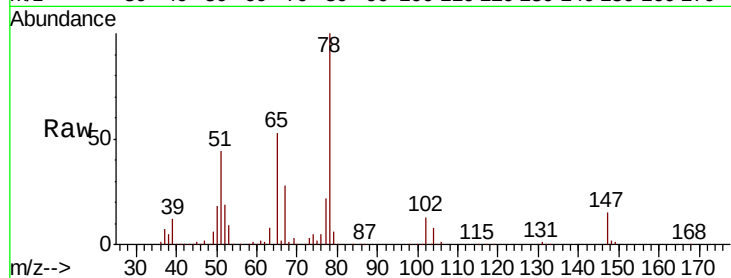




#33
 1,2-Dichloroethane-d4
 Concen: 23.462 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

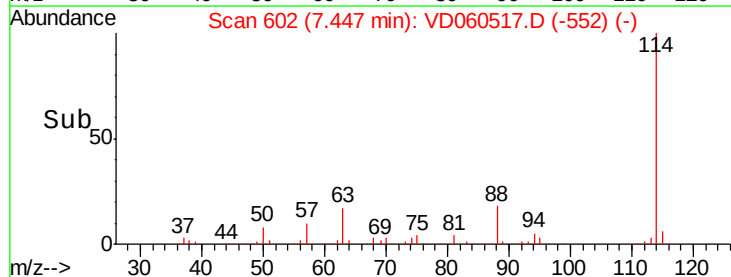
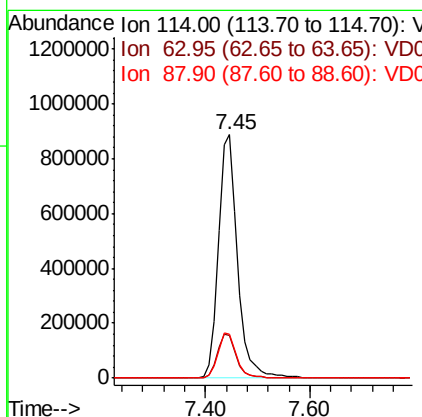
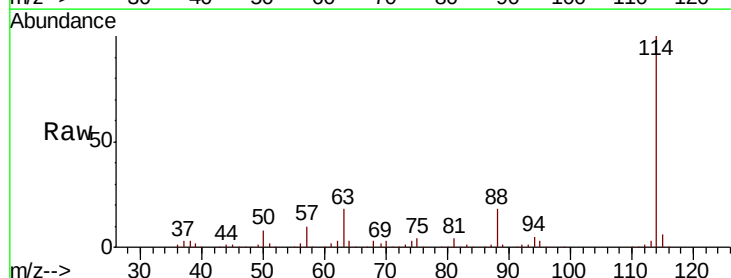
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1210SBS01

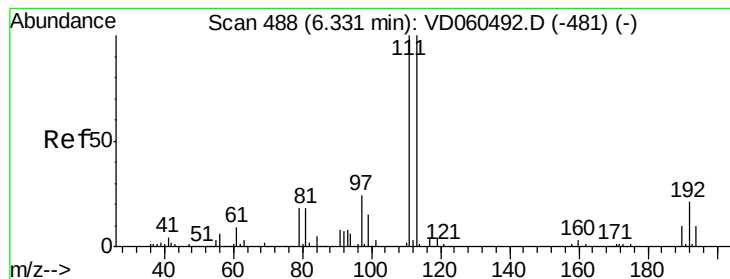
Tot Ion: 65 Resp: 592319
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

Tgt Ion: 114 Resp: 2246026
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 34.2
 88 18.0 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

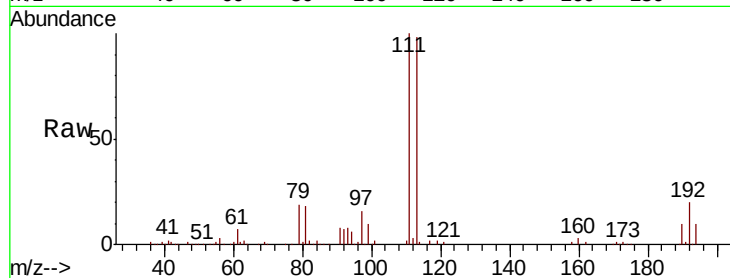
Tot Ion:113 Resp: 853796

Ion Ratio Lower Upper

113 100

111 102.3 80.2 120.4

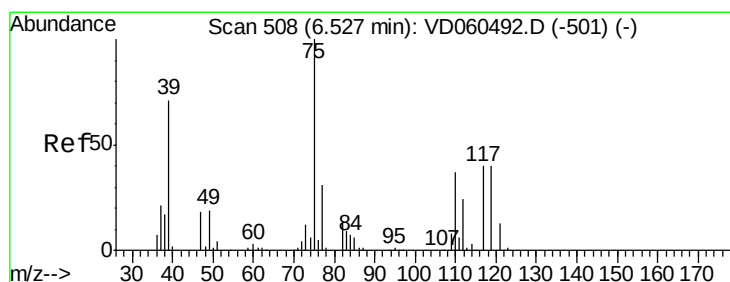
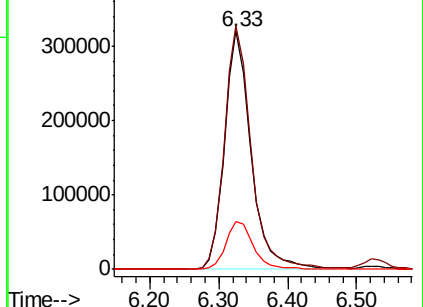
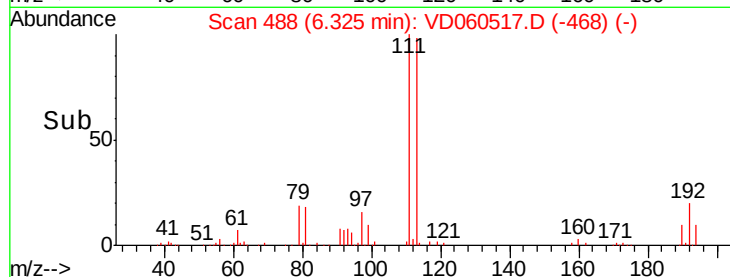
192 20.3 16.6 24.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 22.343 ug/l

RT: 6.52 min Scan# 508

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

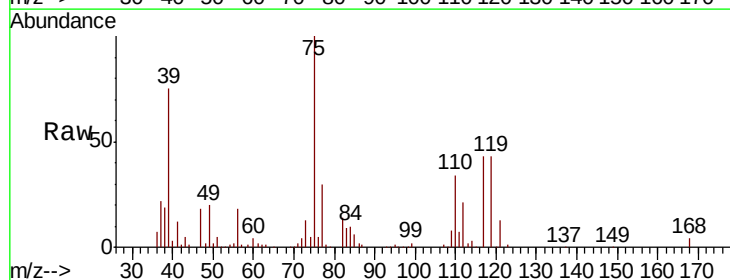
Tgt Ion: 75 Resp: 490534

Ion Ratio Lower Upper

75 100

110 34.1 18.3 54.8

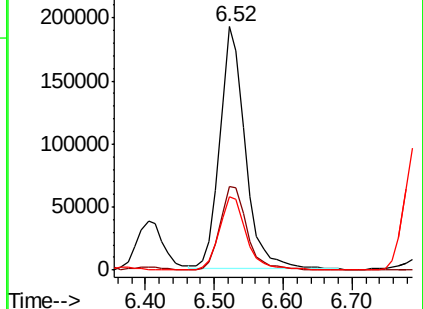
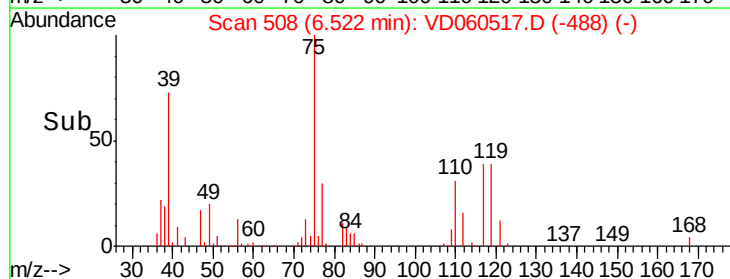
77 30.3 24.6 37.0

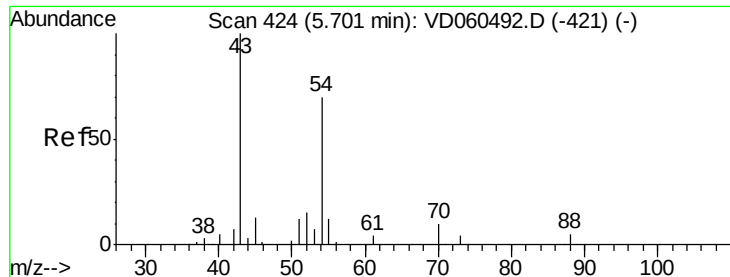


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

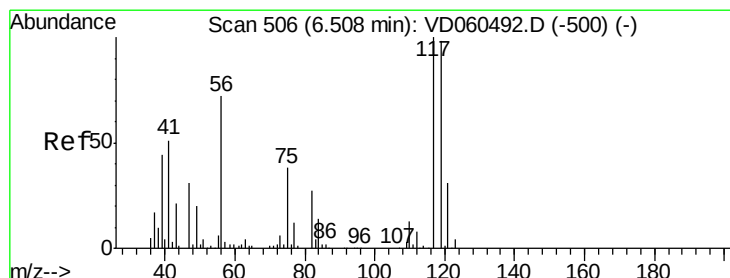
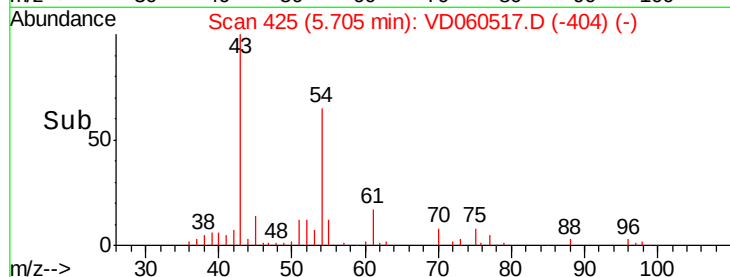
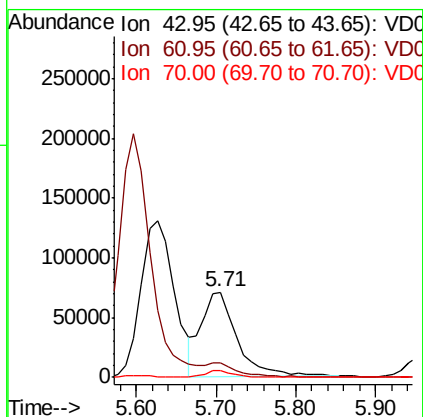
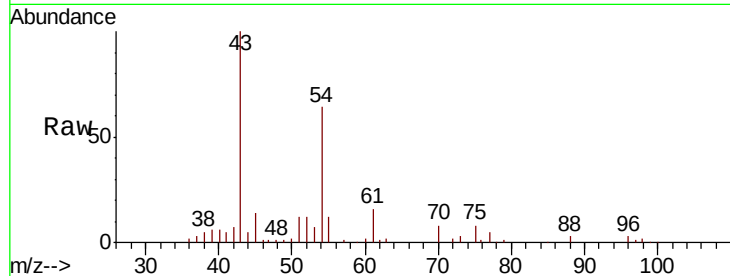




#37
Ethyl Acetate
Concen: 23.125 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

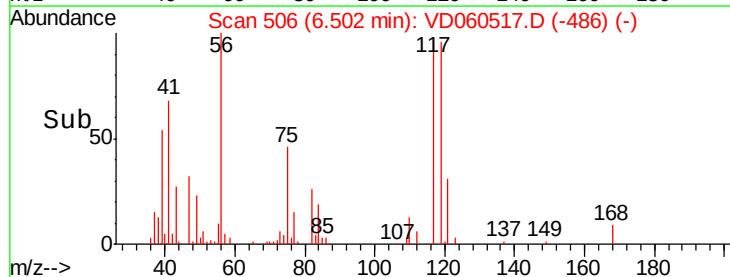
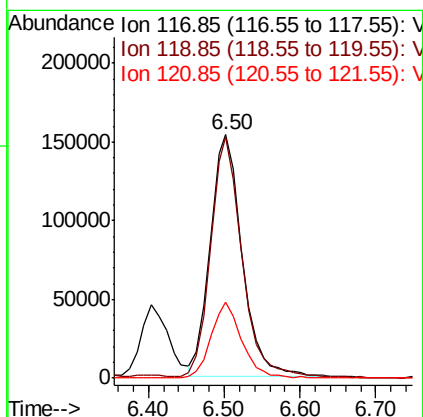
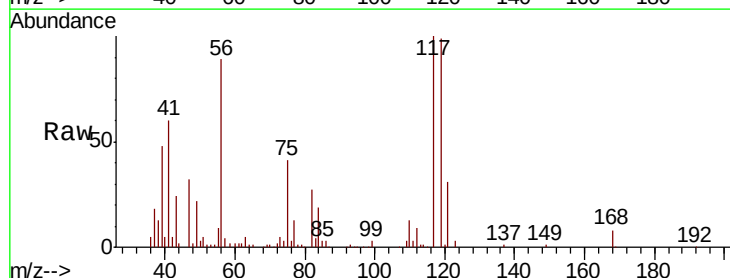
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

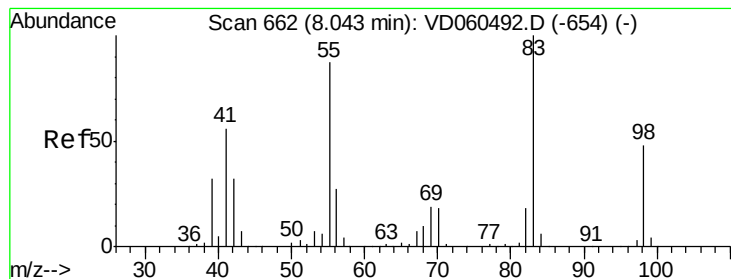
Tot Ion: 43 Resp: 220176
Ion Ratio Lower Upper
43 100
61 16.4 12.4 18.6
70 7.6 5.4 8.0



#38
Carbon Tetrachloride
Concen: 23.104 ug/l
RT: 6.50 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Tgt Ion: 117 Resp: 455376
Ion Ratio Lower Upper
117 100
119 99.0 76.8 115.2
121 31.4 24.4 36.6





#39

Methylvlcyclohexane

Concen: 23.002 ug/l

RT: 8.04 min Scan# 662

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

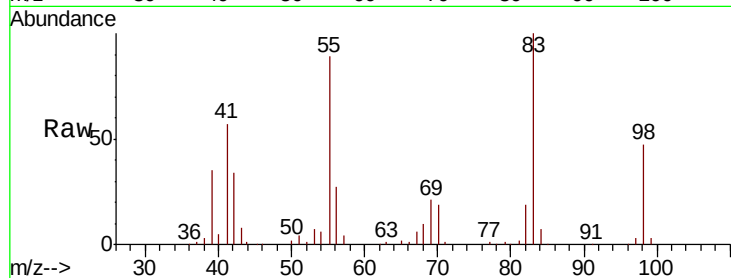
Tot Ion: 83 Resp: 575688

Ion Ratio Lower Upper

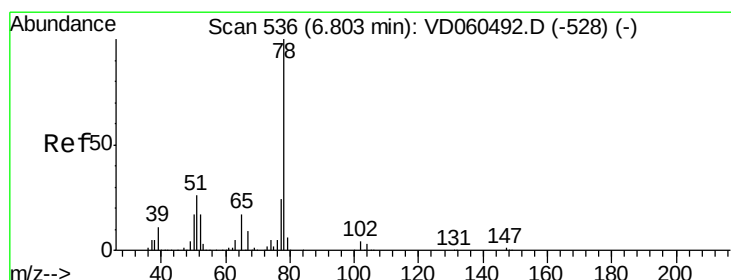
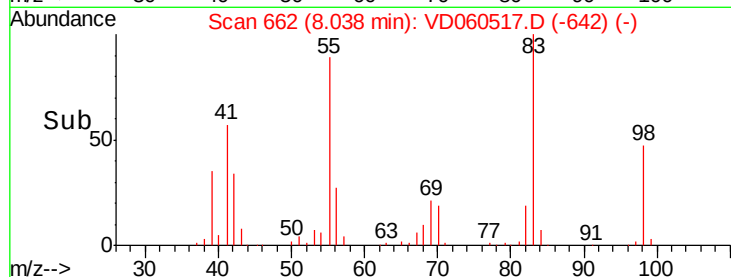
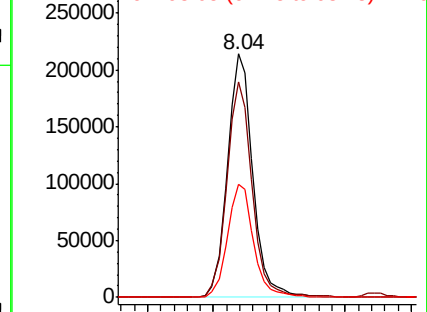
83 100

55 88.7 69.8 104.8

98 46.5 38.4 57.6



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



#40

Benzene

Concen: 22.886 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD060517.D

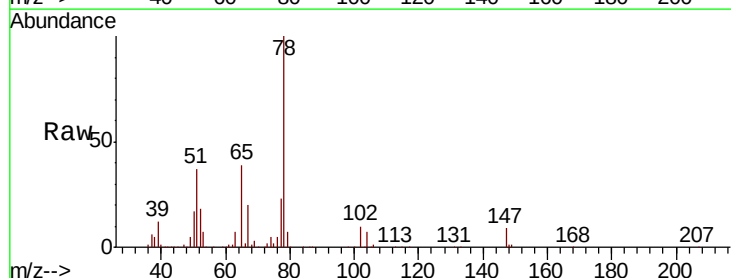
Acq: 10 Dec 2018 11:36

Tgt Ion: 78 Resp: 1284134

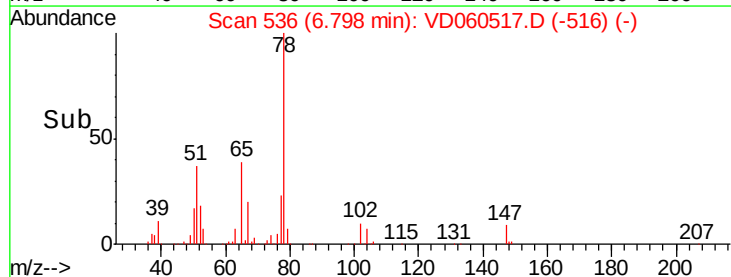
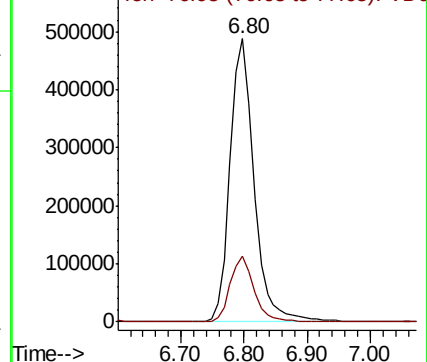
Ion Ratio Lower Upper

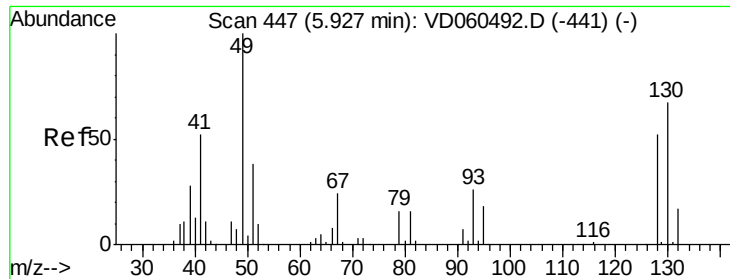
78 100

77 23.4 18.9 28.3



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

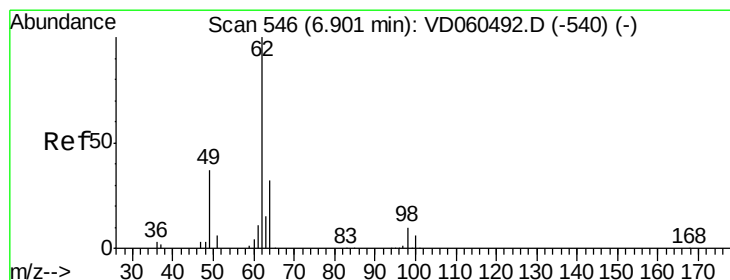
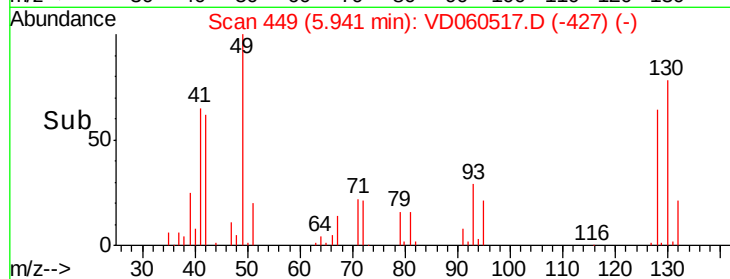
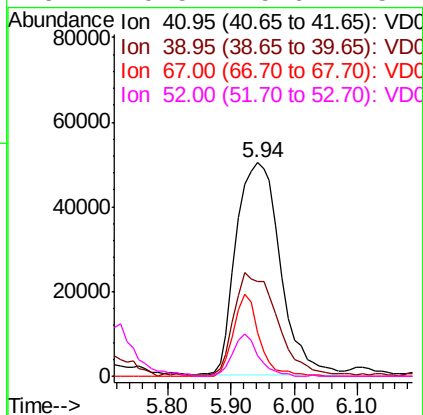
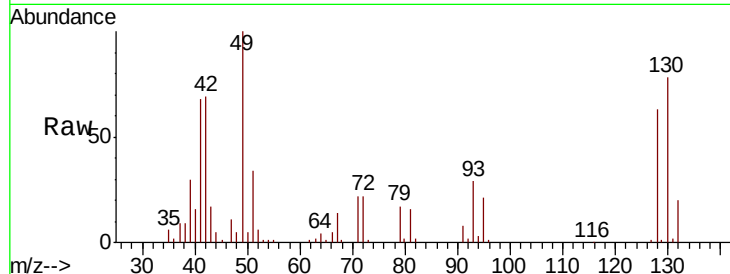




#41
Methacrylonitrile
Concen: 47.267 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

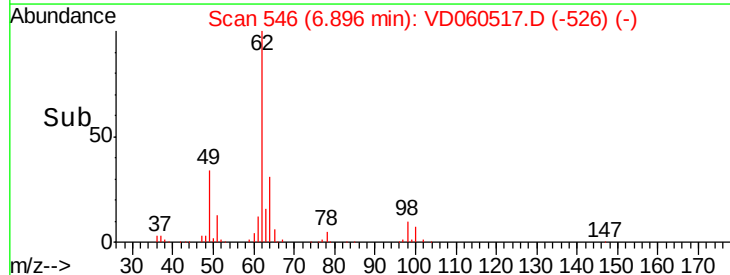
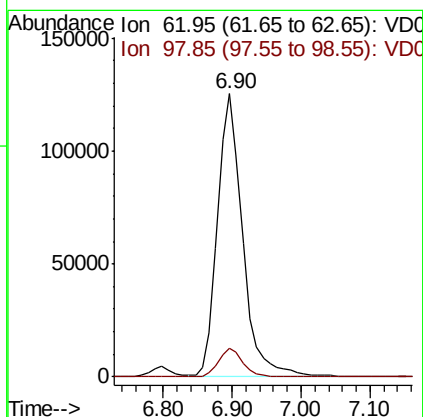
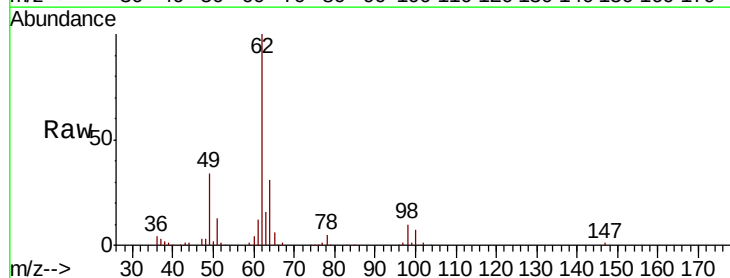
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

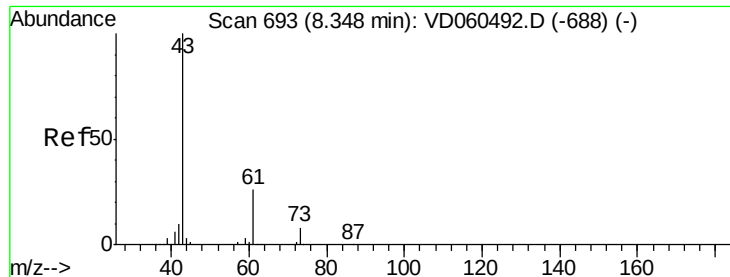
Tot Ion:	41	Resp:	242602
Ion	Ratio	Lower	Upper
41	100		
39	44.2	42.6	63.8
67	20.6	36.2	54.4#
52	9.5	15.6	23.4#



#42
1,2-Dichloroethane
Concen: 22.168 ug/l
RT: 6.90 min Scan# 546
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Tgt Ion:	62	Resp:	316251
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 21.918 ug/l

RT: 8.34 min Scan# 693

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

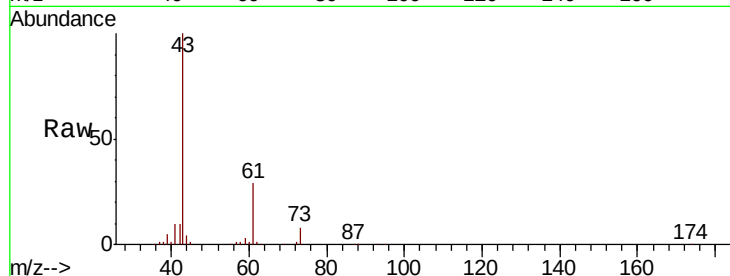
Tot Ion: 43 Resp: 257610

Ion Ratio Lower Upper

43 100

61 28.9 21.0 31.4

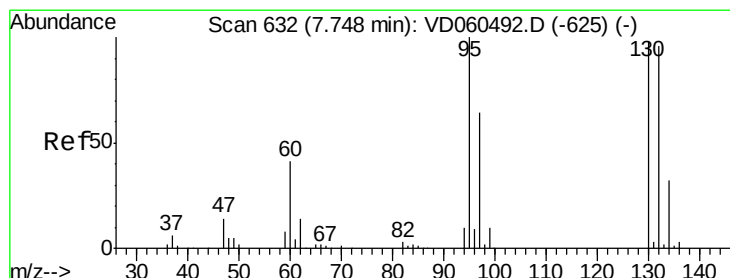
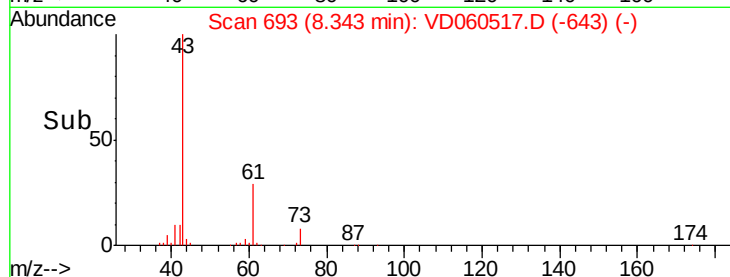
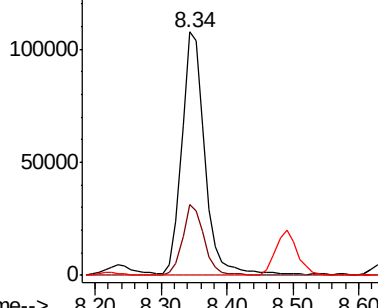
87 0.3 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 23.264 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060517.D

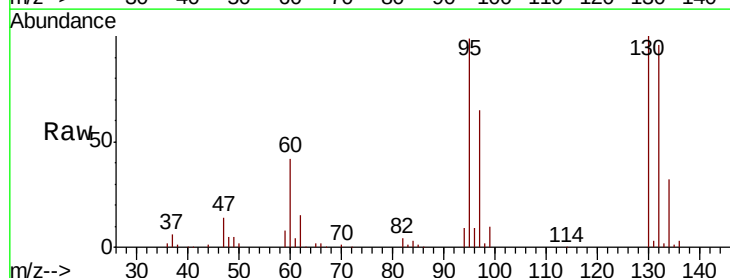
Acq: 10 Dec 2018 11:36

Tgt Ion:130 Resp: 390098

Ion Ratio Lower Upper

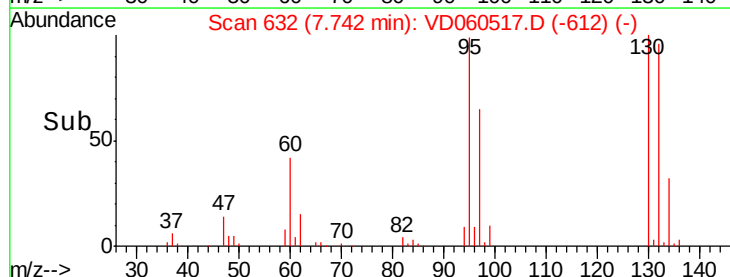
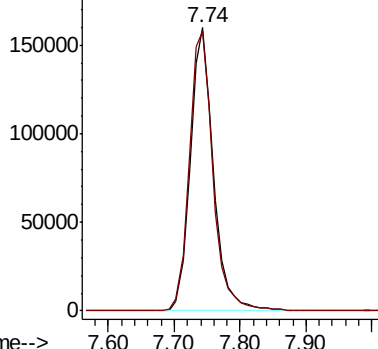
130 100

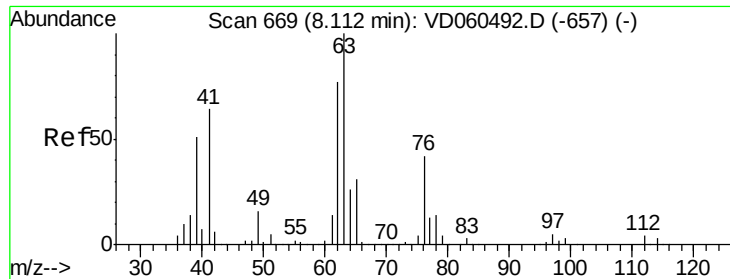
95 99.0 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

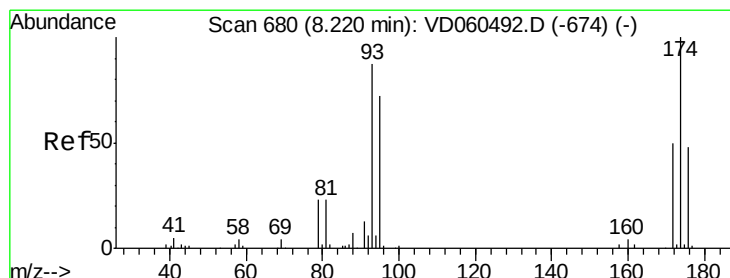
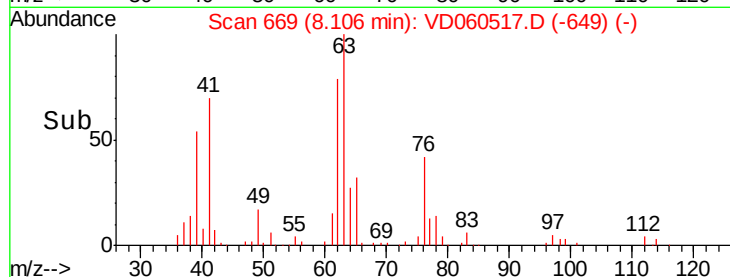
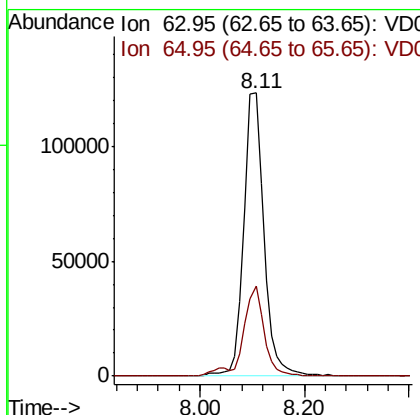
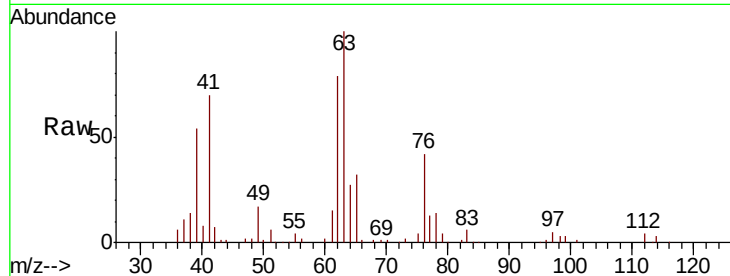




#45
 1,2-Dichloropropane
 Concen: 22.870 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

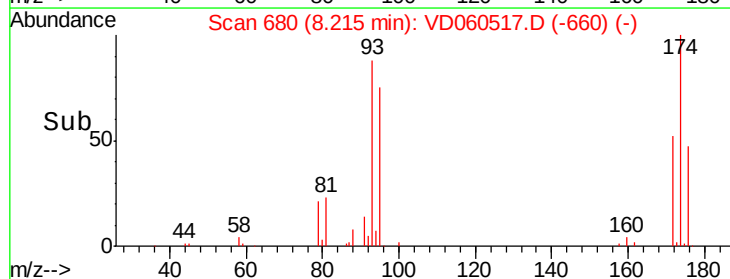
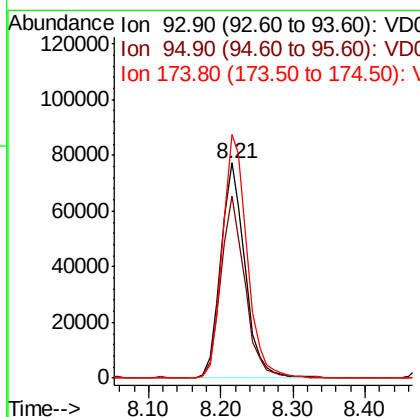
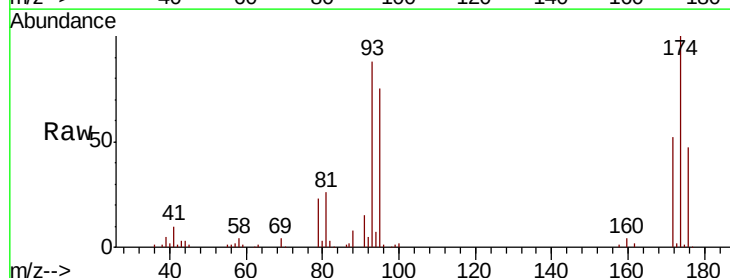
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

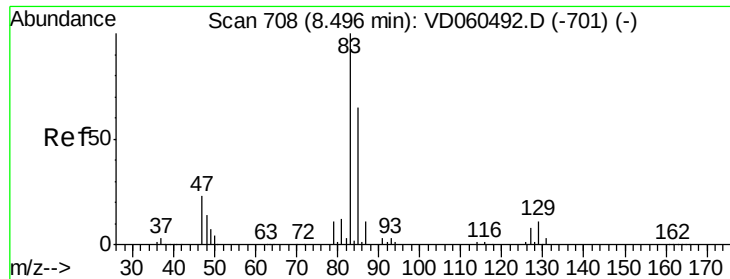
Tot Ion: 63 Resp: 317374
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.6 37.0



#46
 Dibromomethane
 Concen: 22.348 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

Tgt Ion: 93 Resp: 179184
 Ion Ratio Lower Upper
 93 100
 95 85.0 65.6 98.4
 174 113.3 91.7 137.5





#47

Bromodichloromethane

Concen: 22.737 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

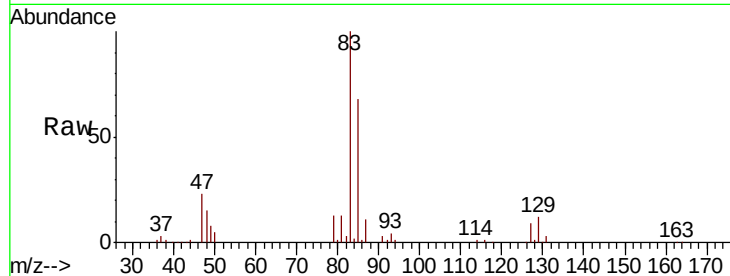
Tot Ion: 83 Resp: 432548

Ion Ratio Lower Upper

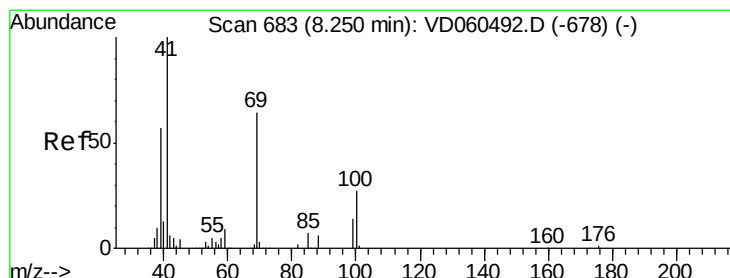
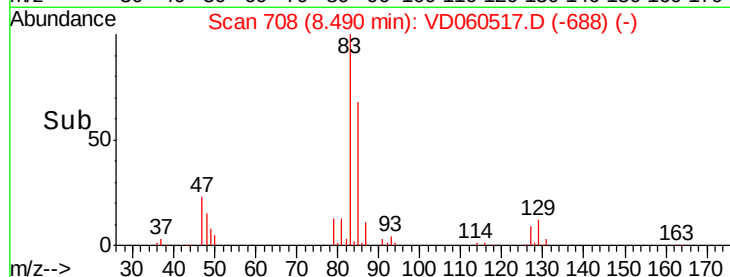
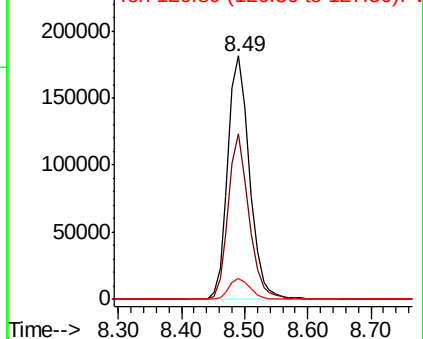
83 100

85 67.9 52.2 78.4

127 8.7 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: 23.483 ug/l

RT: 8.24 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

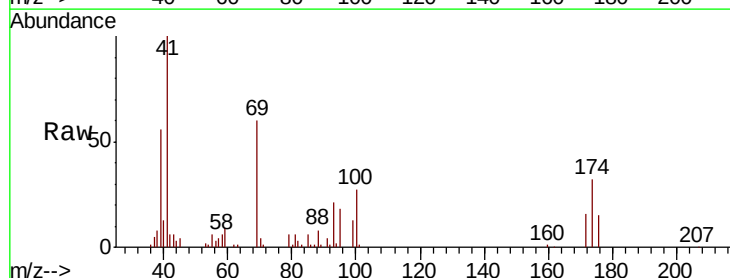
Tgt Ion: 41 Resp: 163314

Ion Ratio Lower Upper

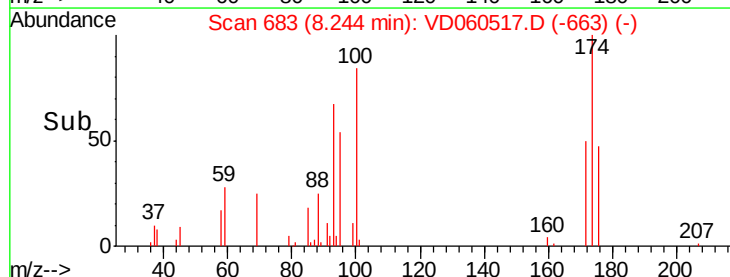
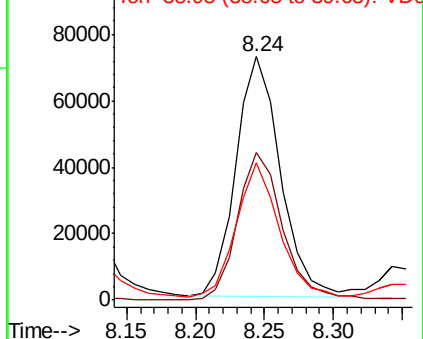
41 100

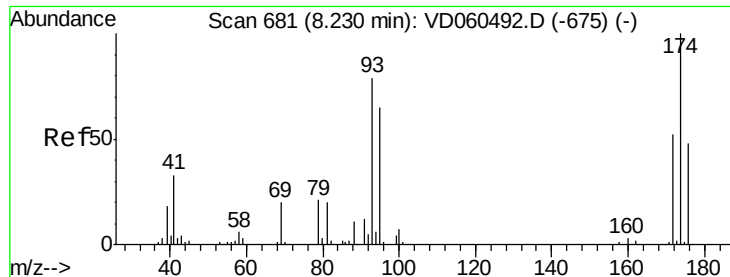
69 60.4 50.2 75.4

39 56.2 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

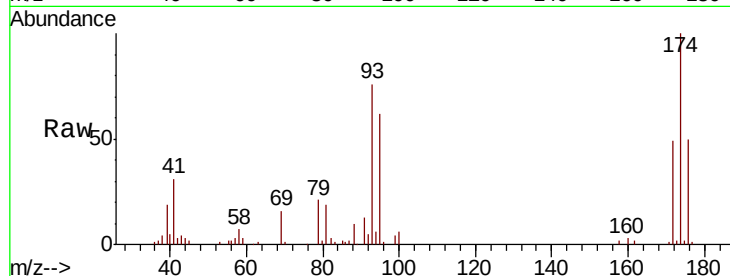




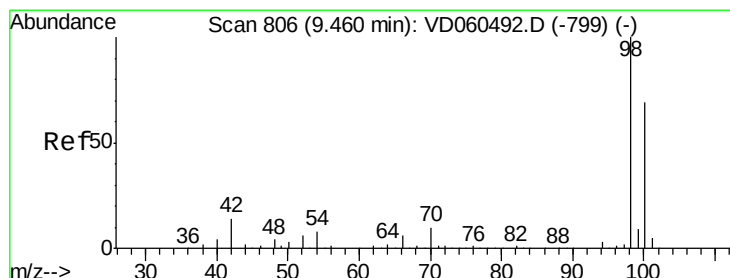
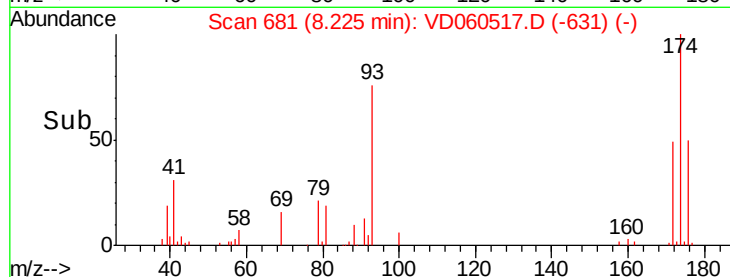
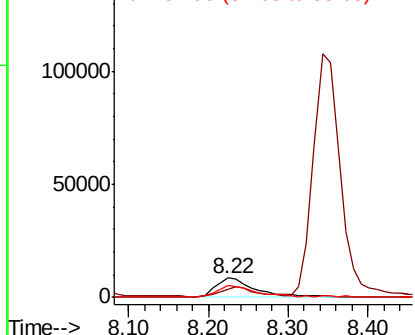
#49
1,4-Dioxane
Concen: 473.188 ug/l
RT: 8.22 min Scan# 681
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

Tot Ion	88	Resp	29825
Ion Ratio	Lower	Upper	
88	100		
43	39.2	32.9	49.3
58	63.8	47.7	71.5

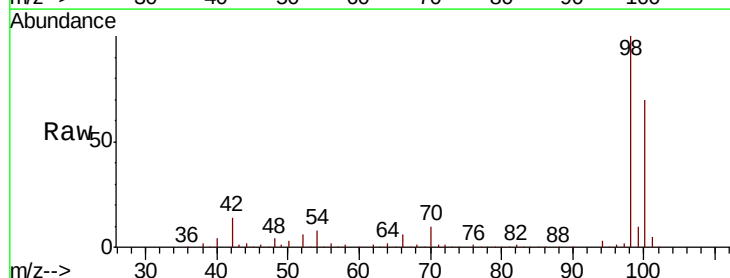


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

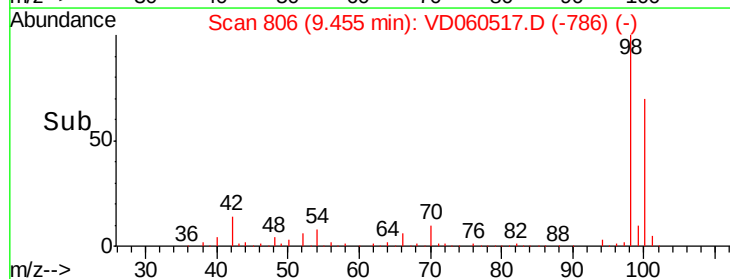
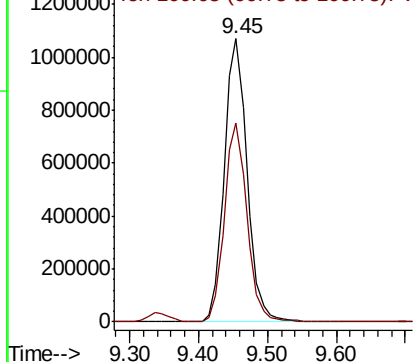


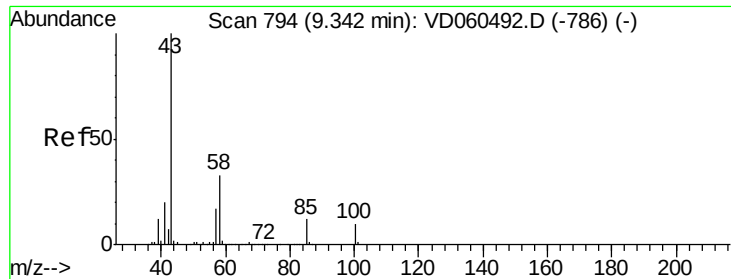
#50
Toluene-d8
Concen: 473.188 ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Tgt Ion	98	Resp	2451450
Ion Ratio	Lower	Upper	
98	100		
100	70.2	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: 111.734 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

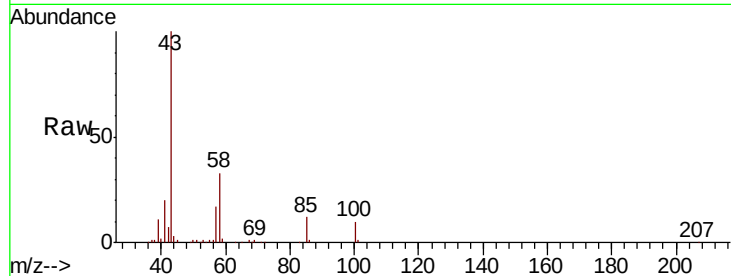
VD1210SBS01

Tot Ion: 43 Resp: 816899

Ion Ratio Lower Upper

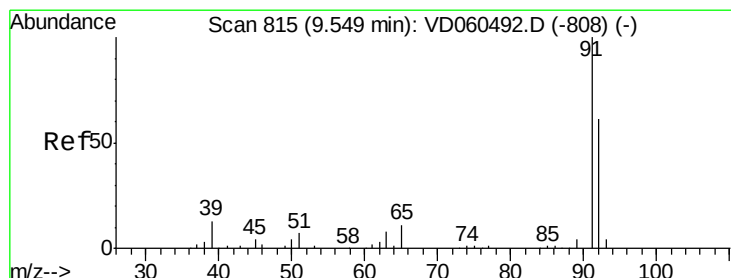
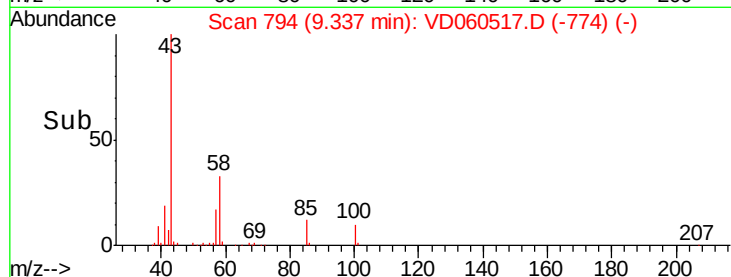
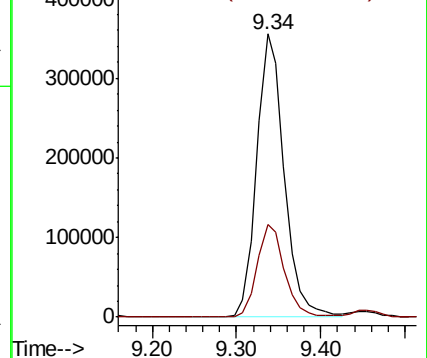
43 100

58 32.5 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.399 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD060517.D

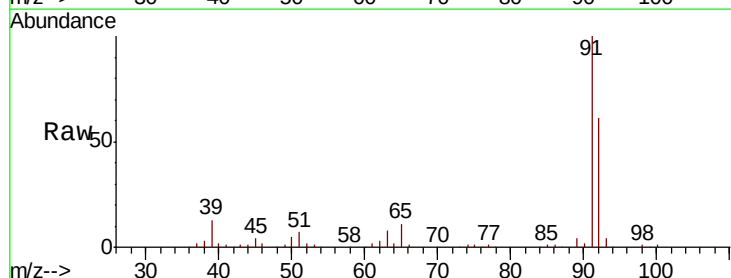
Acq: 10 Dec 2018 11:36

Tgt Ion: 92 Resp: 785504

Ion Ratio Lower Upper

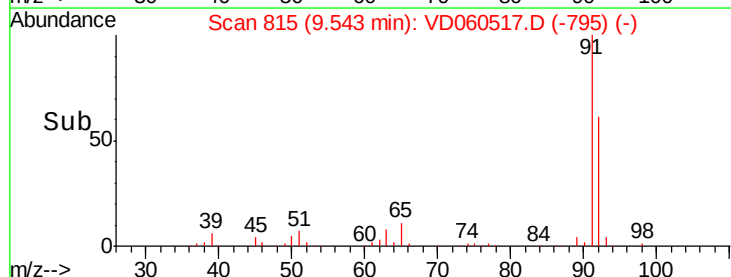
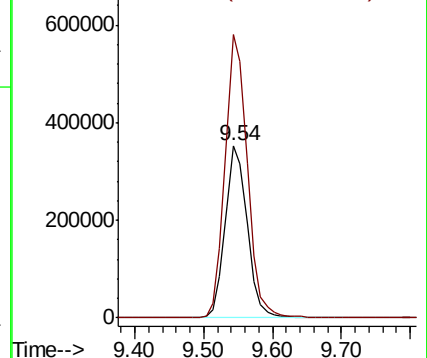
92 100

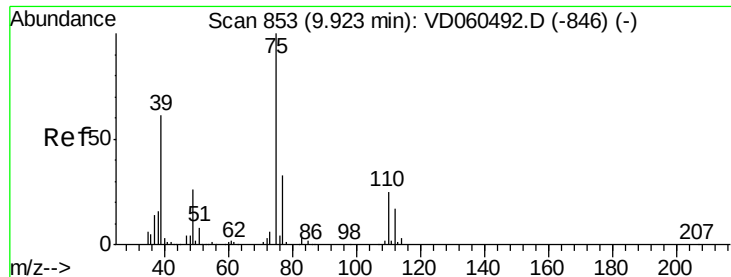
91 164.4 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 22.498 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

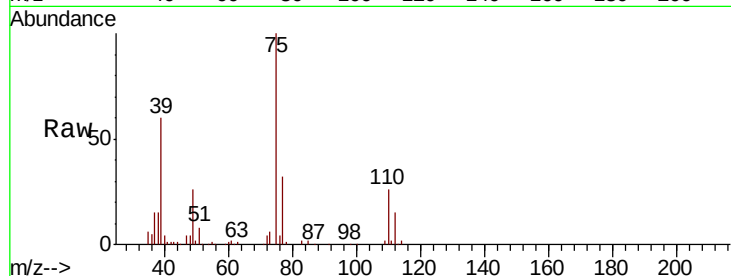
VD1210SBS01

Tot Ion: 75 Resp: 351684

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

150000

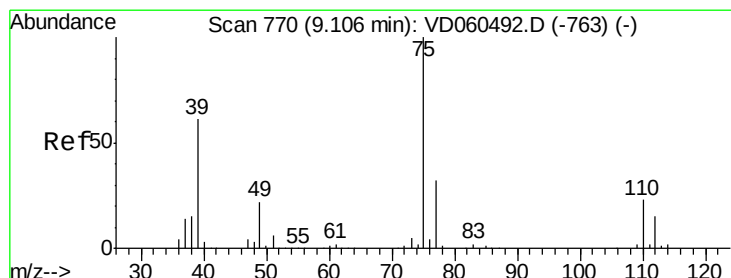
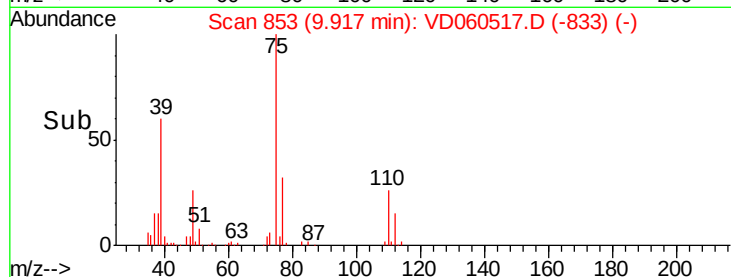
100000

50000

0

Time-->

9.80 9.90 10.00



#54

cis-1,3-Dichloropropene

Concen: 22.621 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

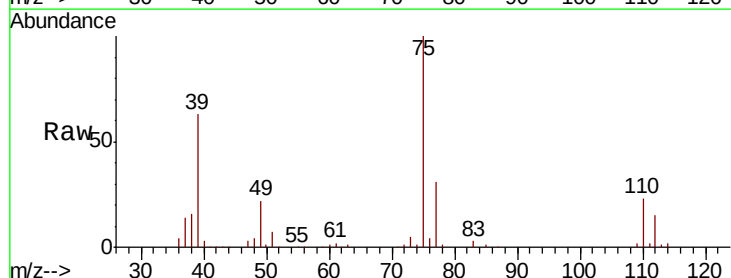
Tgt Ion: 75 Resp: 464599

Ion Ratio Lower Upper

75 100

77 31.3 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

9.10

300000

250000

200000

150000

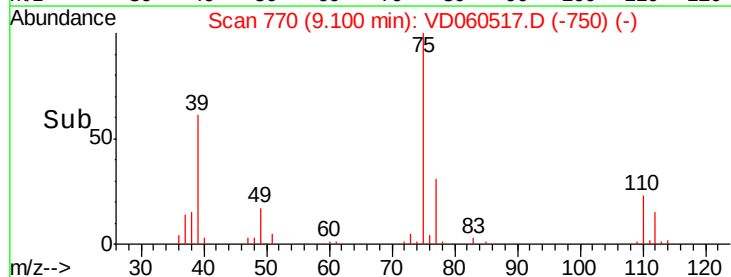
100000

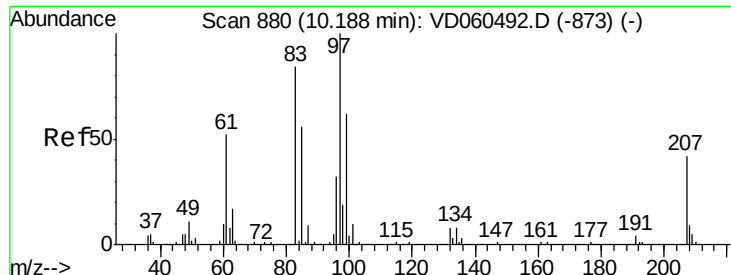
50000

0

Time-->

9.00 9.10 9.20

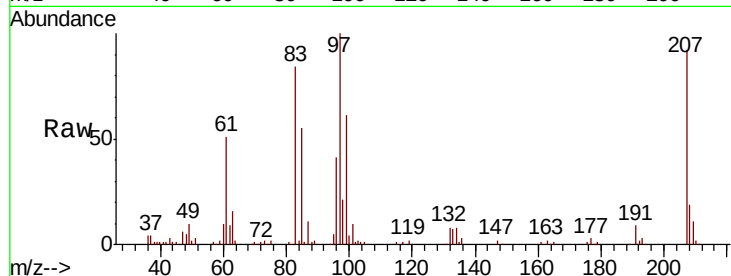




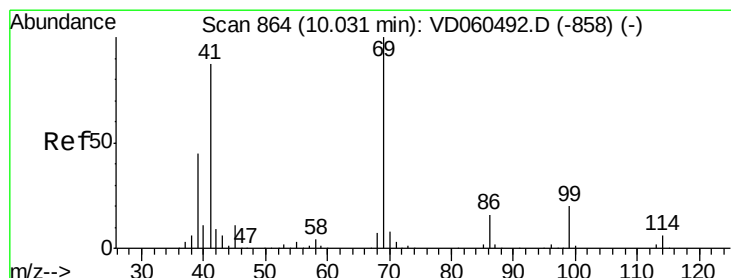
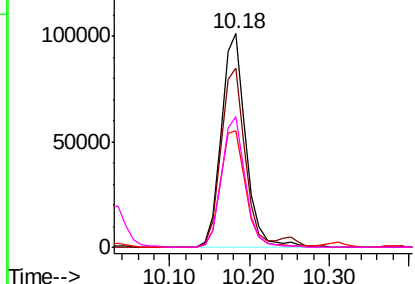
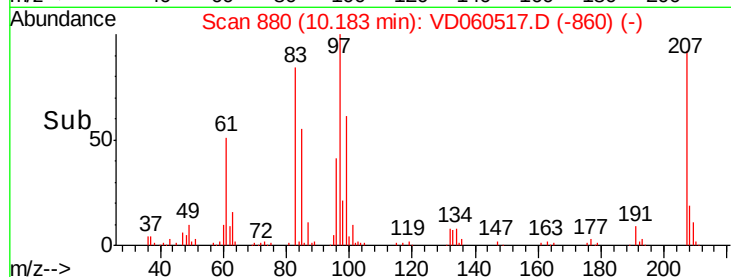
#55
 1,1,2-Trichloroethane
 Concen: 22.351 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Tot Ion:	97	Resp:	218282
Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.2	100.8
85	54.7	44.5	66.7
99	61.1	49.3	73.9

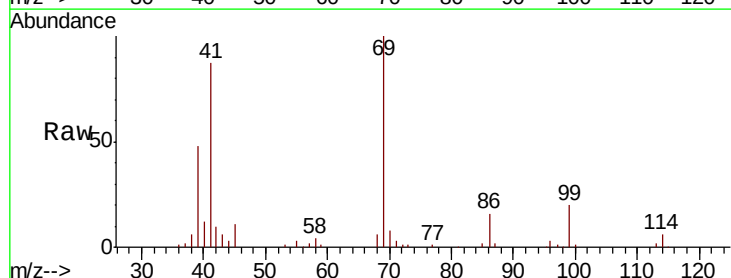


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

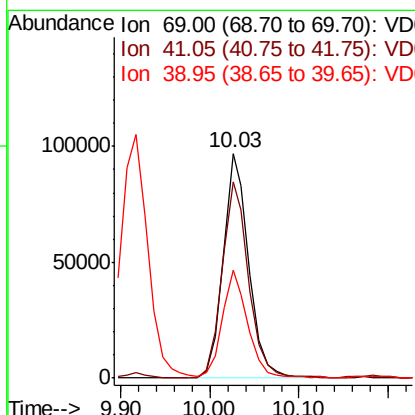
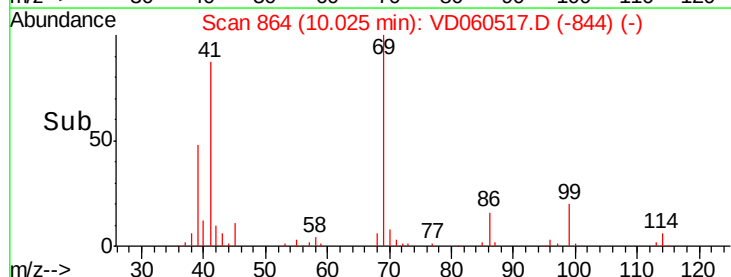


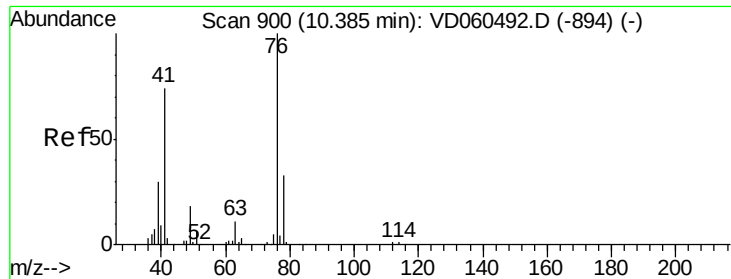
#56
 Ethyl methacrylate
 Concen: 22.143 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

Tgt Ion:	69	Resp:	195717
Ion	Ratio	Lower	Upper
69	100		
41	87.1	69.8	104.8
39	48.2	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: 21.886 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

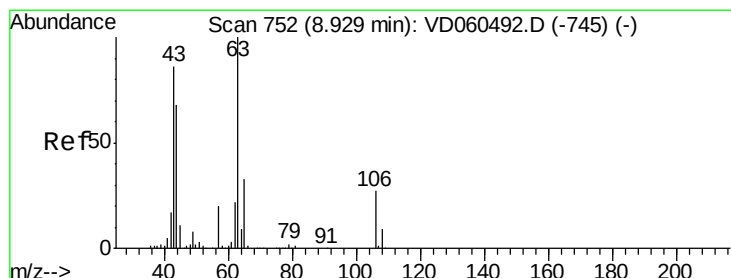
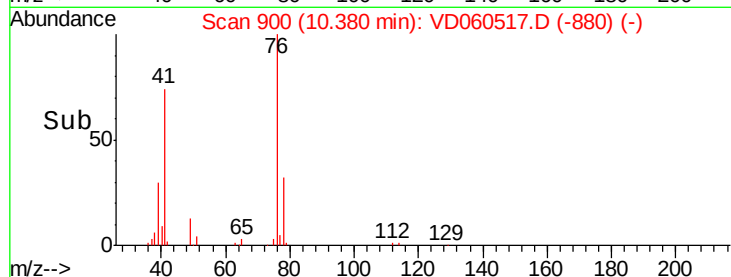
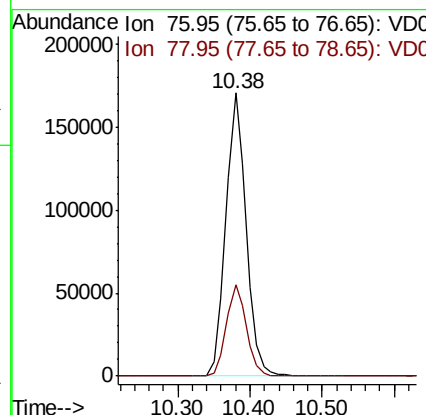
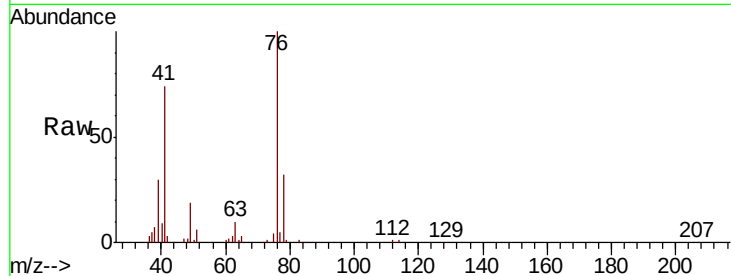
VD1210SBS01

Tot Ion: 76 Resp: 330411

Ion Ratio Lower Upper

76 100

78 32.2 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 108.551 ug/l

RT: 8.92 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060517.D

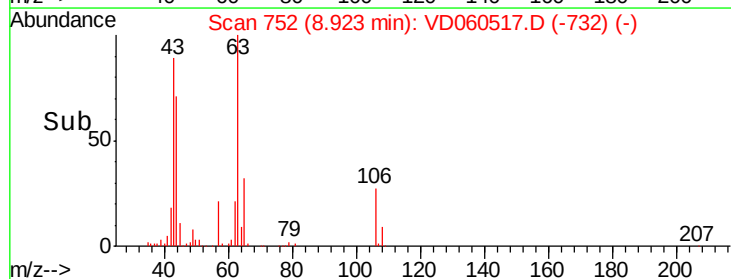
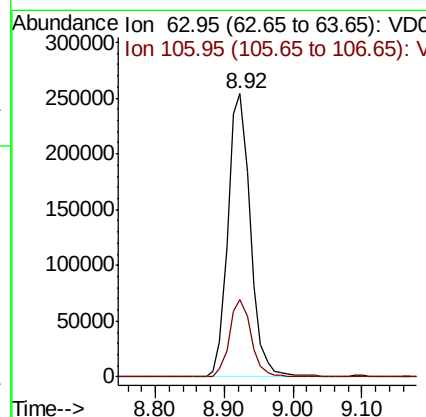
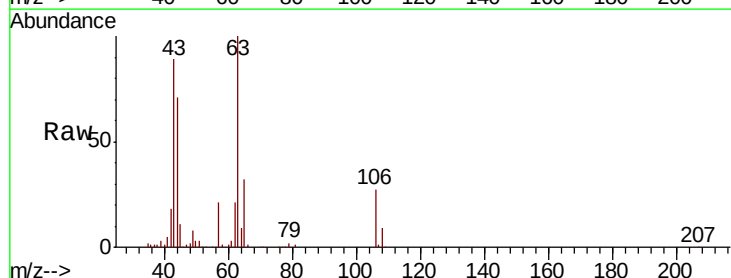
Acq: 10 Dec 2018 11:36

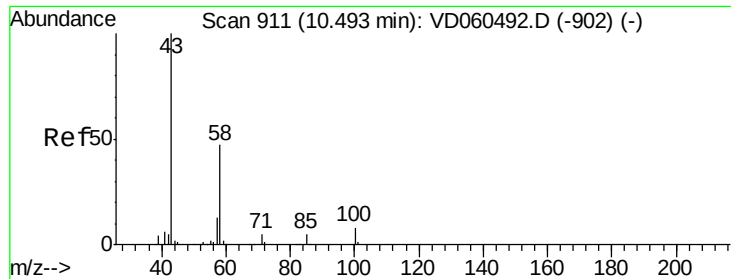
Tgt Ion: 63 Resp: 574074

Ion Ratio Lower Upper

63 100

106 27.2 21.6 32.4

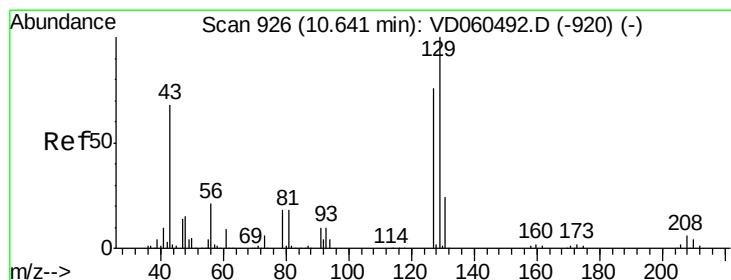
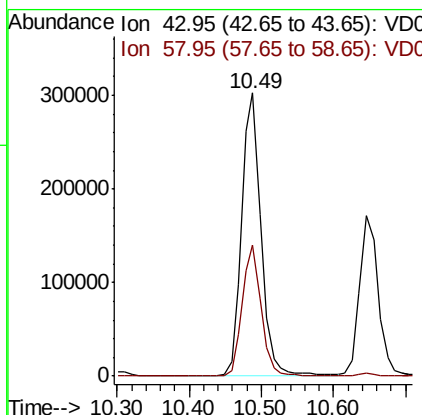
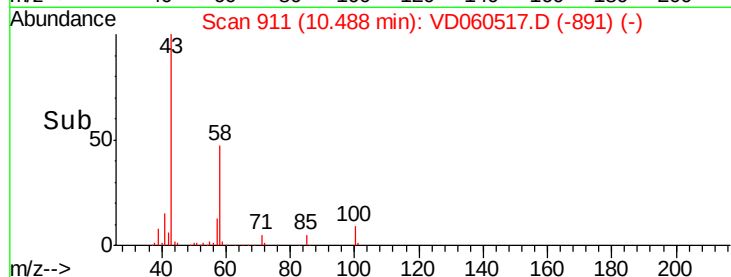
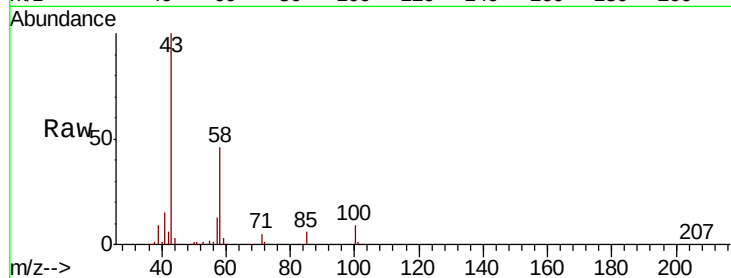




#59
2-Hexanone
Concen: 111.600 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

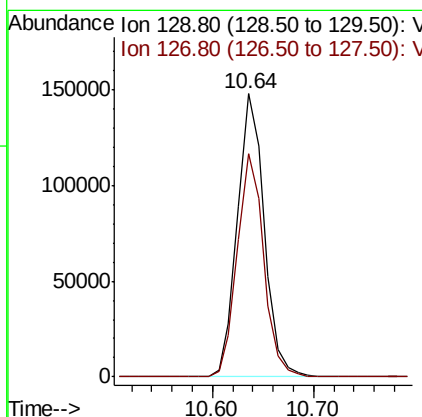
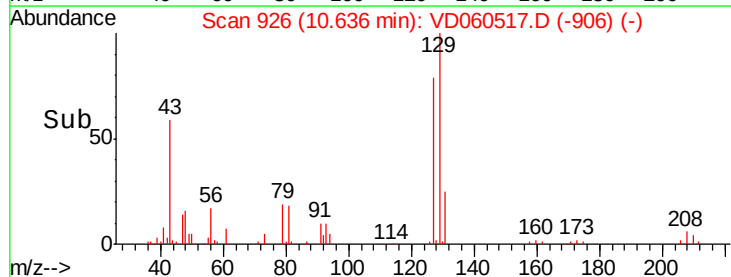
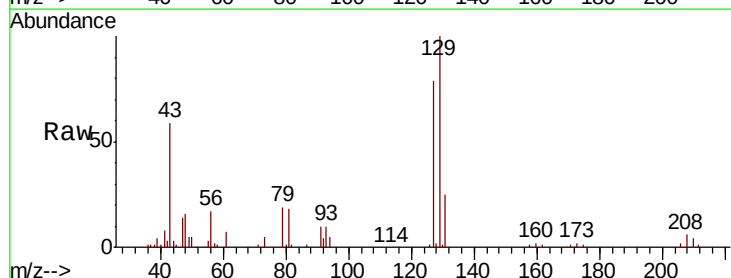
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

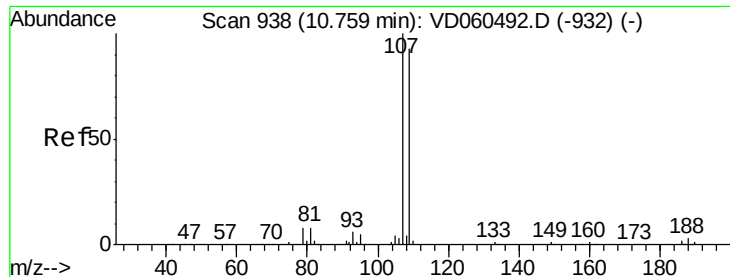
Tot Ion: 43 Resp: 570309
Ion Ratio Lower Upper
43 100
58 46.4 23.4 70.2



#60
Dibromochloromethane
Concen: 22.498 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Tgt Ion: 129 Resp: 274711
Ion Ratio Lower Upper
129 100
127 78.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.576 ug/l

RT: 10.75 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

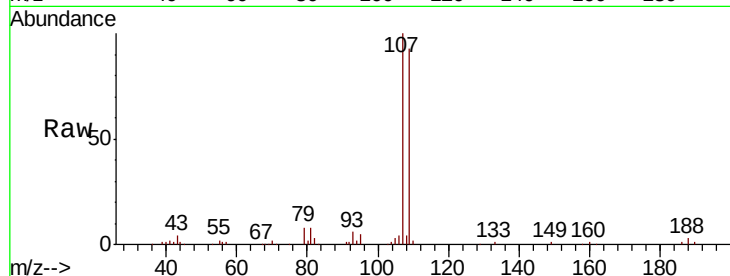
VD1210SBS01

Tot Ion:107 Resp: 214743

Ion Ratio Lower Upper

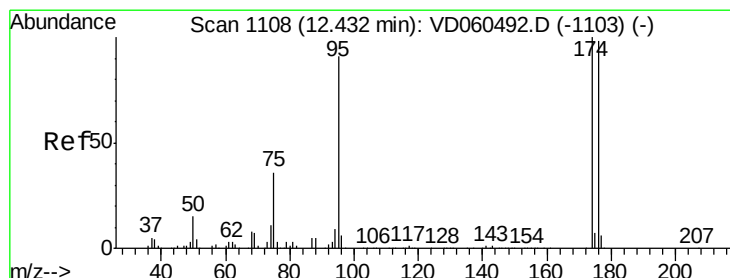
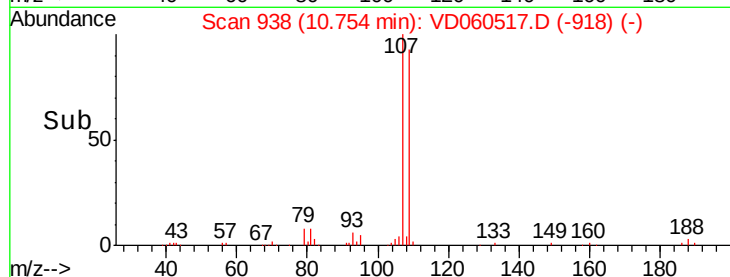
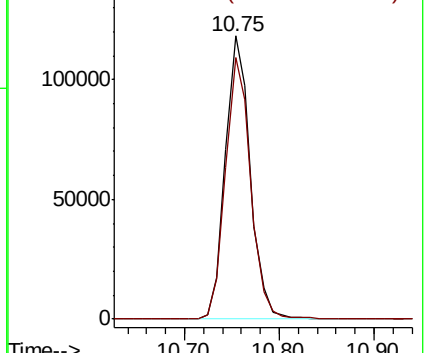
107 100

109 92.6 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.576 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

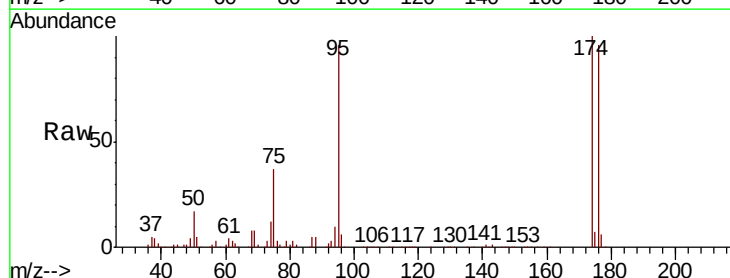
Tgt Ion: 95 Resp: 855423

Ion Ratio Lower Upper

95 100

174 104.1 0.0 219.4

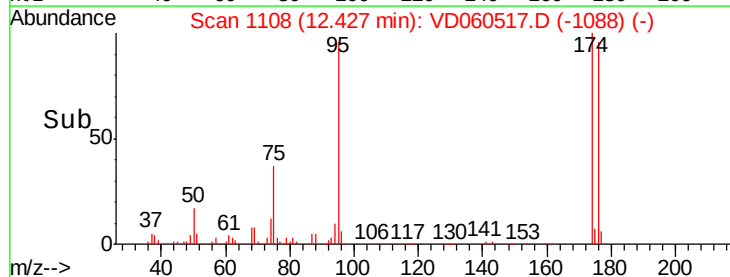
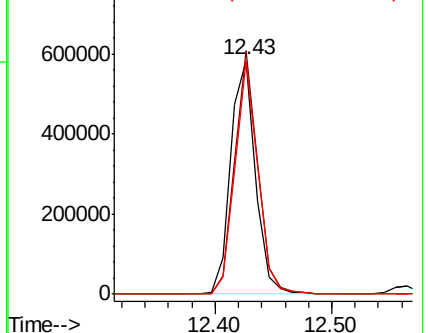
176 99.8 0.0 214.6

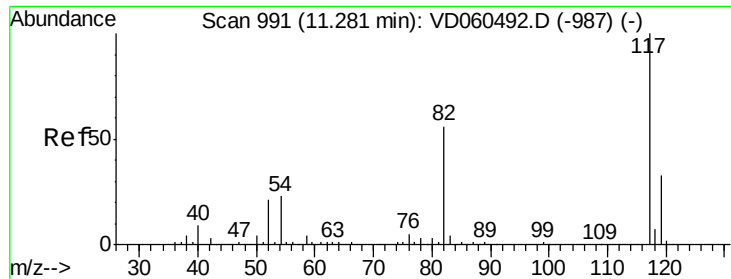


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

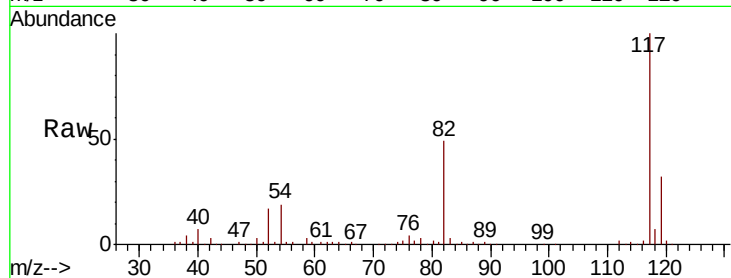




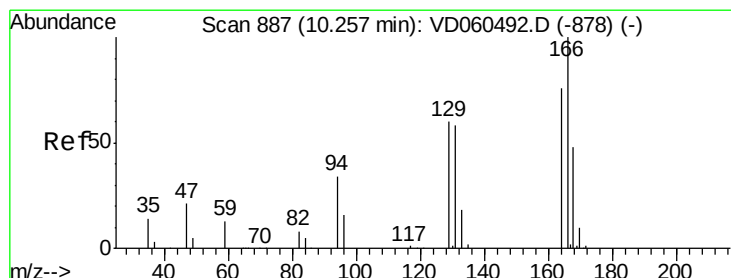
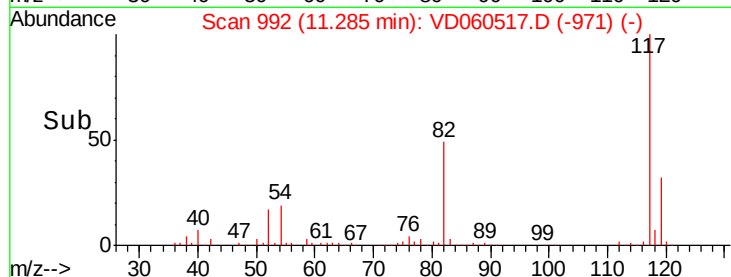
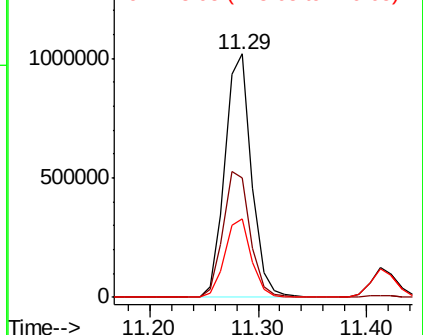
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

Tot Ion:117 Resp: 1752300
Ion Ratio Lower Upper
117 100
82 49.0 45.2 67.8
119 32.3 26.1 39.1

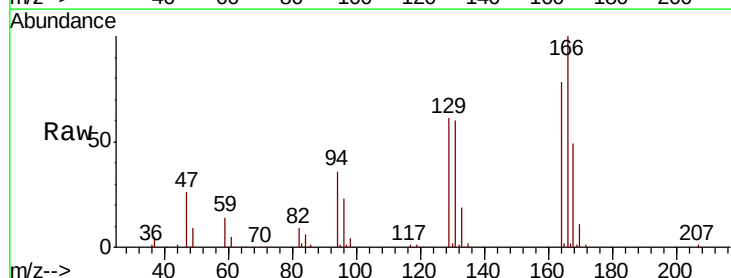


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

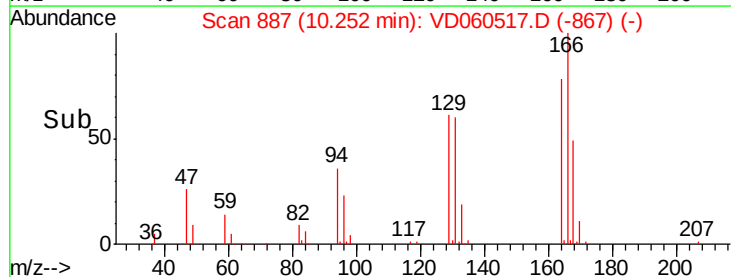
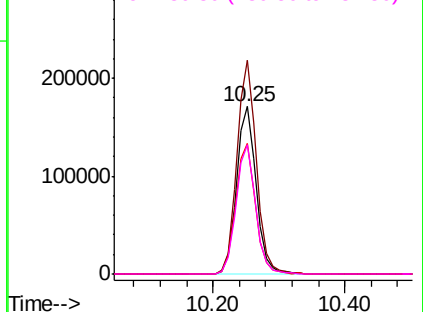


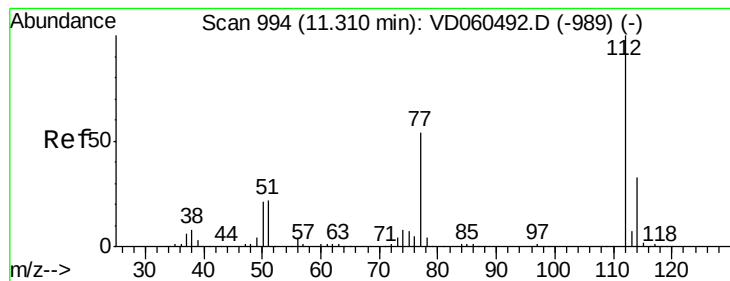
#64
Tetrachloroethene
Concen: 23.076 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Tgt Ion:164 Resp: 358057
Ion Ratio Lower Upper
164 100
166 127.5 105.0 157.6
129 78.0 63.0 94.4
131 77.1 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: 23.210 ug/l

RT: 11.31 min Scan# 995

Delta R.T. 0.00 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

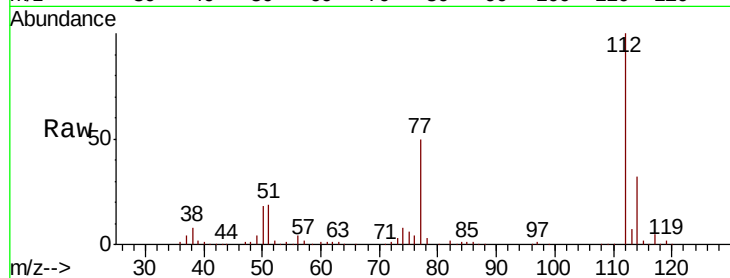
VD1210SBS01

Tot Ion:112 Resp: 860432

Ion Ratio Lower Upper

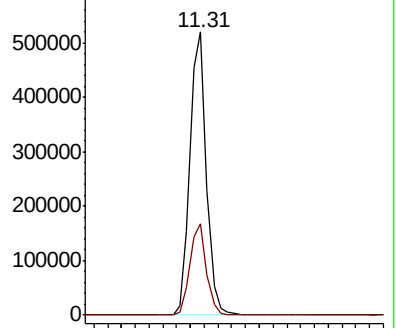
112 100

114 32.2 26.2 39.4

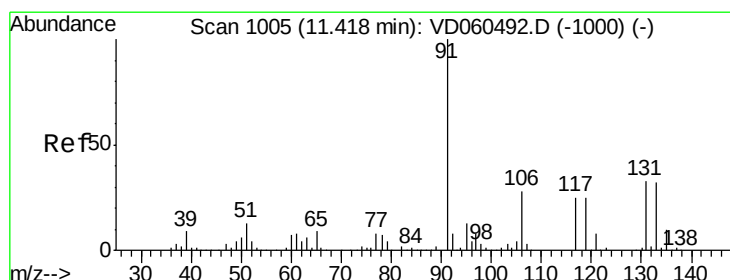
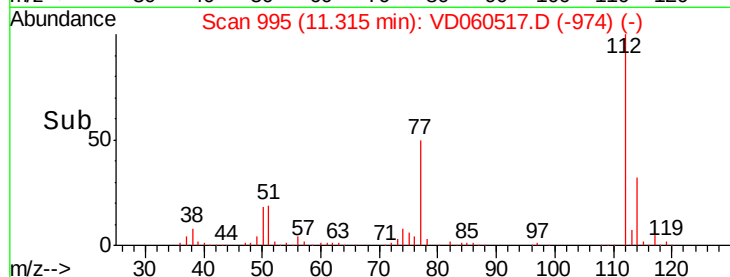


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.659 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

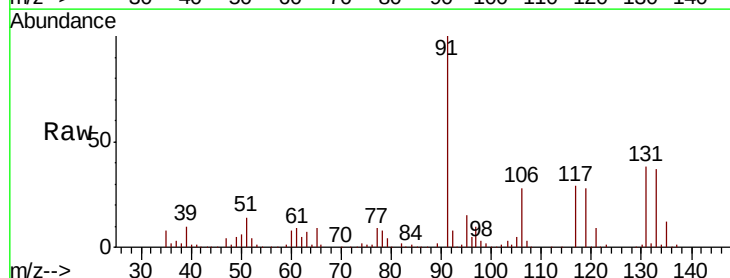
Tgt Ion:131 Resp: 270741

Ion Ratio Lower Upper

131 100

133 98.8 49.1 147.3

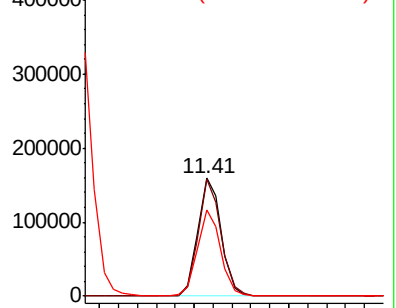
119 73.6 37.5 112.3



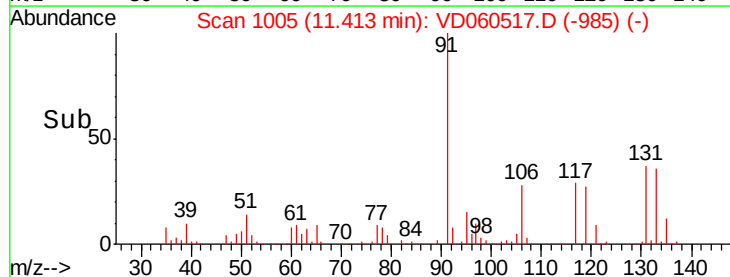
Abundance Ion 130.90 (130.60 to 131.60): V

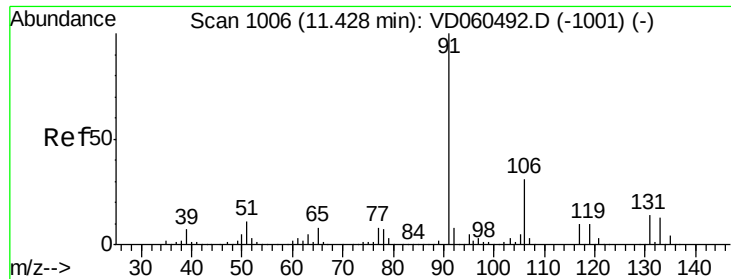
Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



Time-->

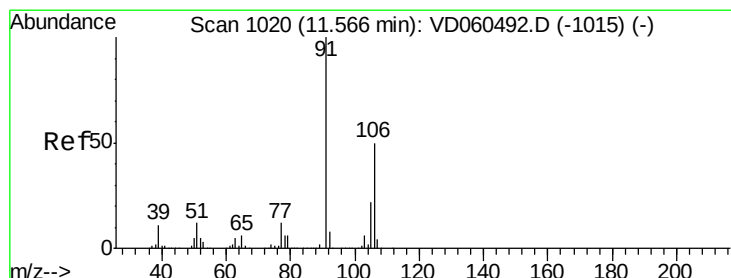
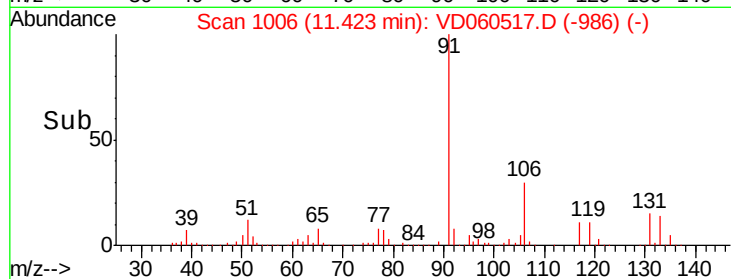
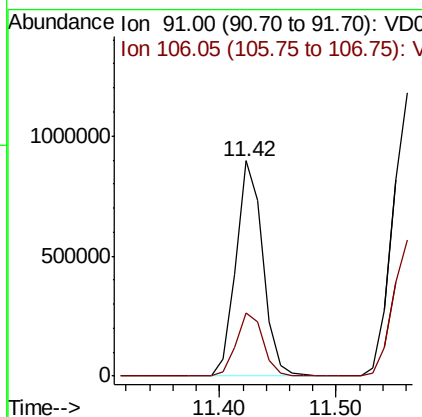
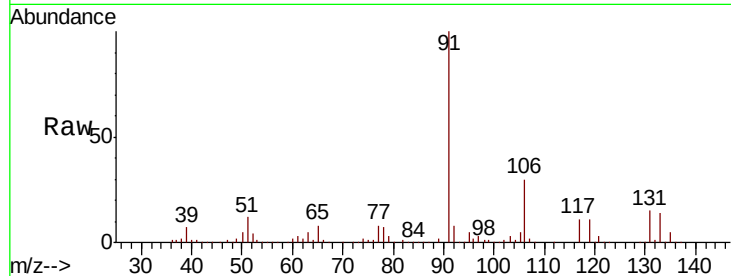




#67
Ethyl Benzene
Concen: 22.684 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

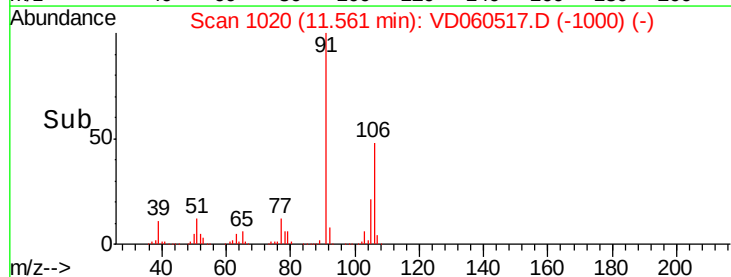
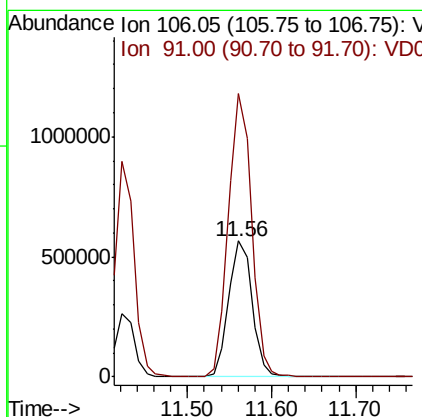
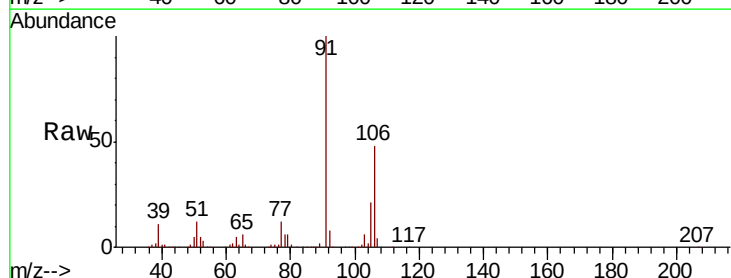
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

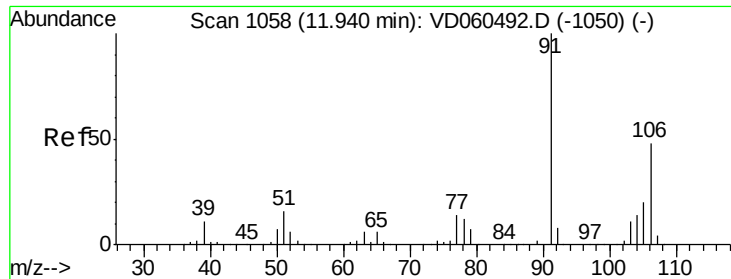
Tot Ion: 91 Resp: 1434376
Ion Ratio Lower Upper
91 100
106 29.5 24.6 37.0



#68
m/p-Xylenes
Concen: 47.161 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Tgt Ion: 106 Resp: 1103234
Ion Ratio Lower Upper
106 100
91 208.5 160.5 240.7

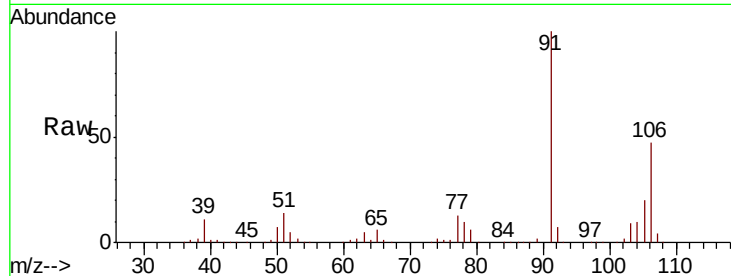




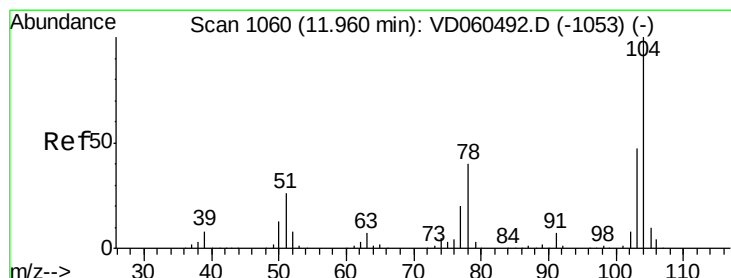
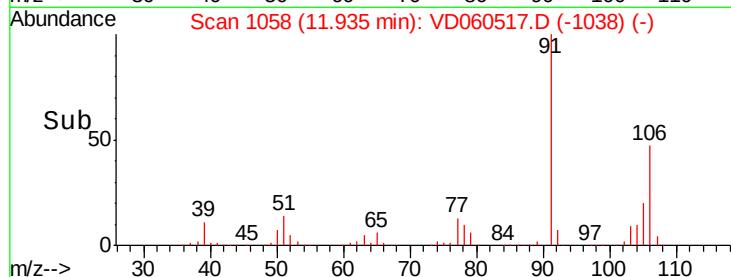
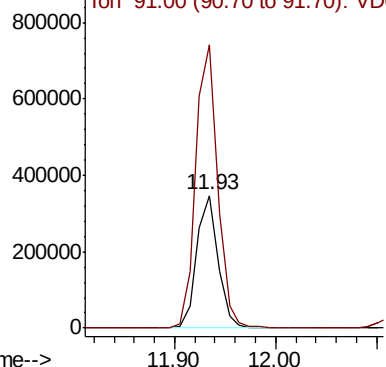
#69
o-Xylene
Concen: 22.983 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

Tot Ion:106 Resp: 512376
Ion Ratio Lower Upper
106 100
91 213.8 103.4 310.1

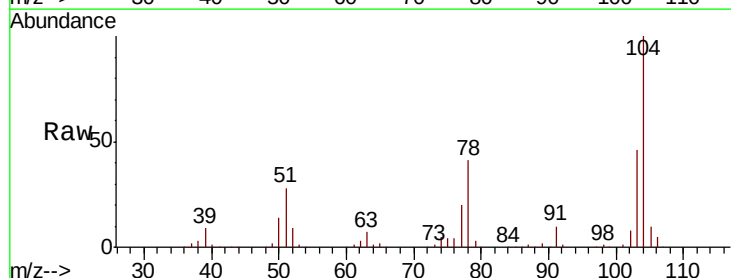


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

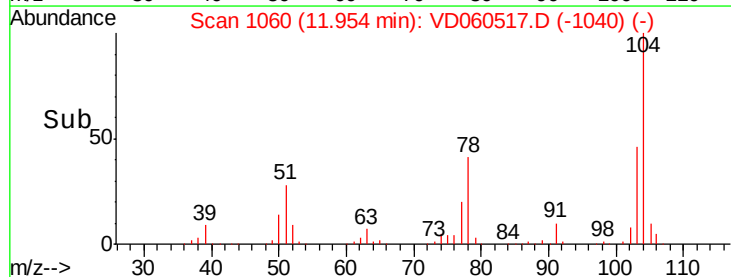
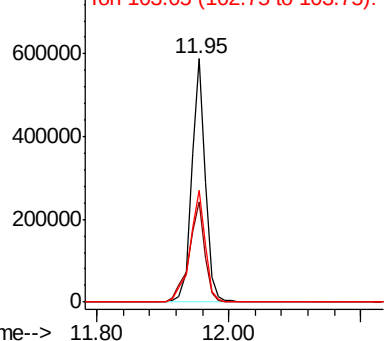


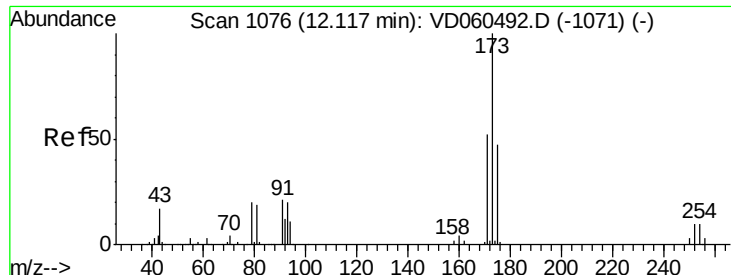
#70
Styrene
Concen: 23.304 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060517.D
Acq: 10 Dec 2018 11:36

Tgt Ion:104 Resp: 833903
Ion Ratio Lower Upper
104 100
78 41.1 32.1 48.1
103 46.1 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: 21.893 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

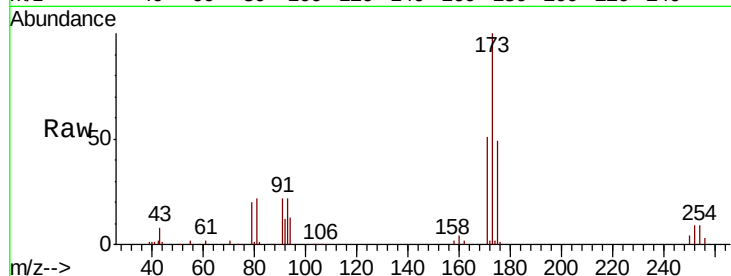
Tot Ion:173 Resp: 174522

Ion Ratio Lower Upper

173 100

175 48.8 23.5 70.6

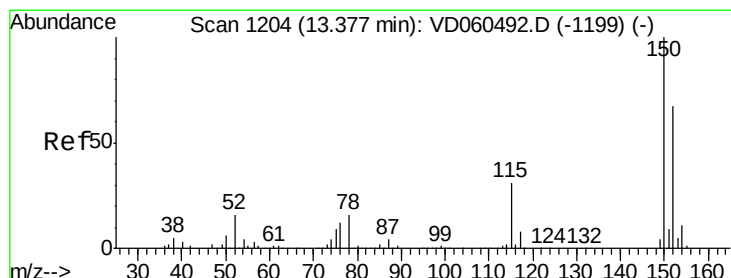
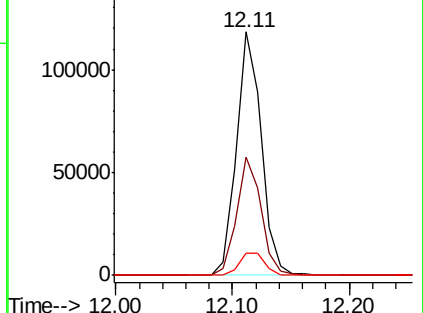
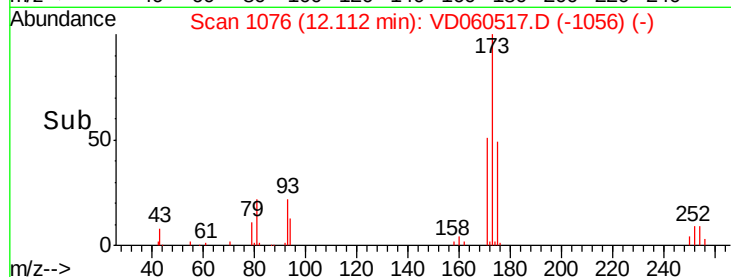
254 9.4 7.8 11.8



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# 1204

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

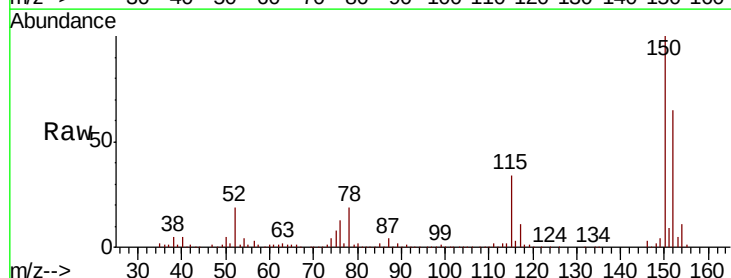
Tgt Ion:152 Resp: 863943

Ion Ratio Lower Upper

152 100

115 51.6 24.6 74.0

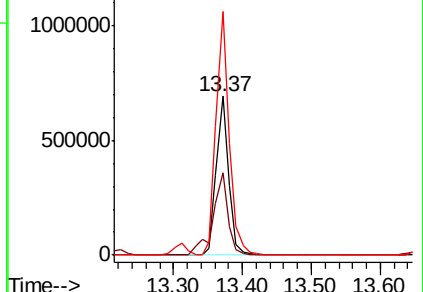
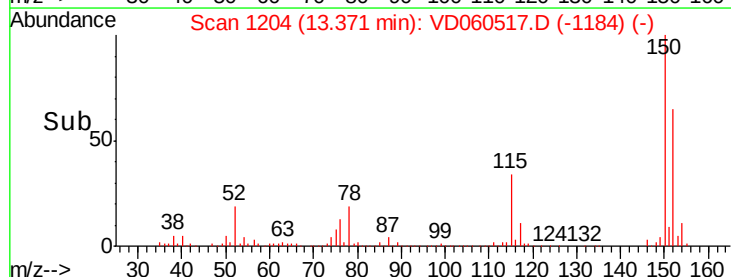
150 153.4 0.0 309.0

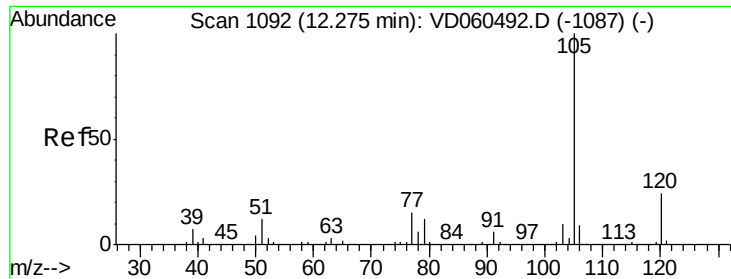


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.227 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

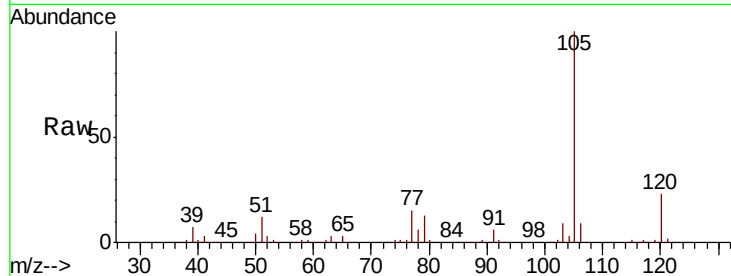
VD1210SBS01

Tot Ion:105 Resp: 1420000

Ion Ratio Lower Upper

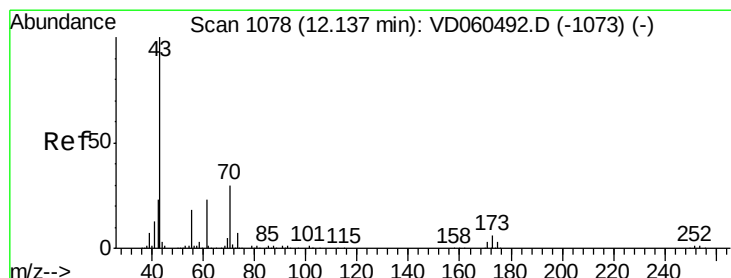
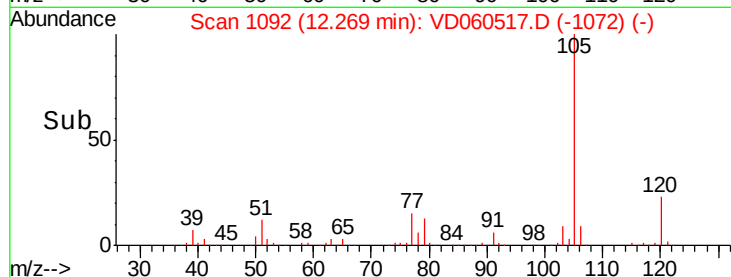
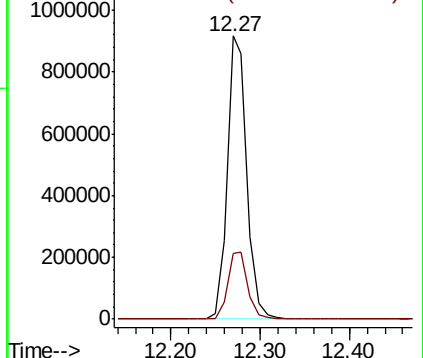
105 100

120 23.1 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.433 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Tgt Ion: 43 Resp: 331455

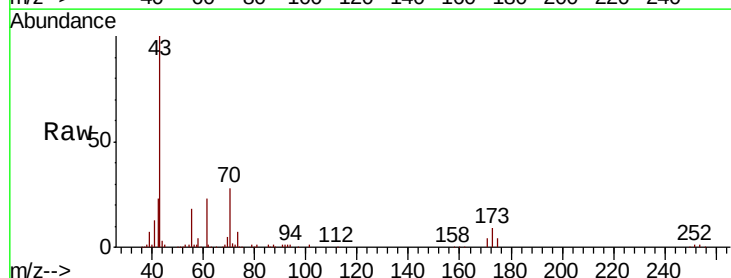
Ion Ratio Lower Upper

43 100

70 28.4 23.8 35.8

55 17.7 14.2 21.2

61 23.5 18.1 27.1

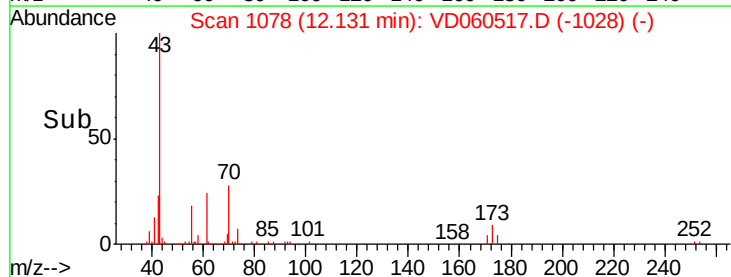
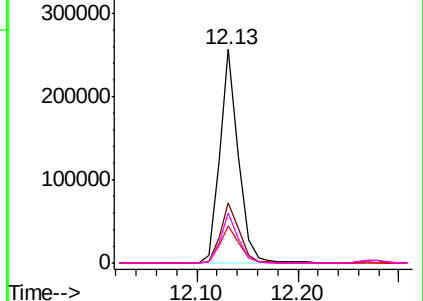


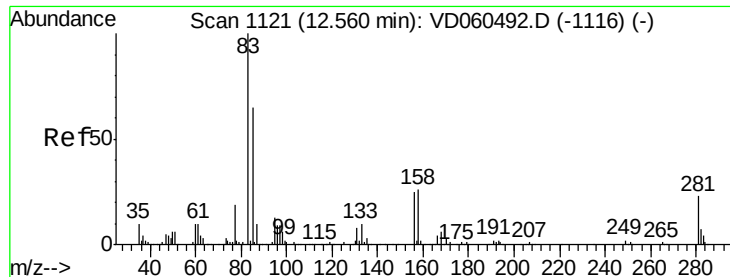
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.947 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

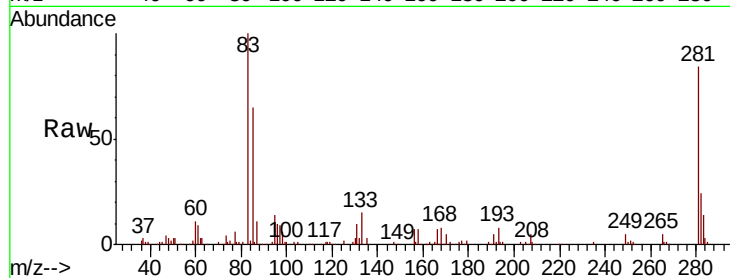
Tot Ion: 83 Resp: 214803

Ion Ratio Lower Upper

83 100

131 9.8 3.8 11.4

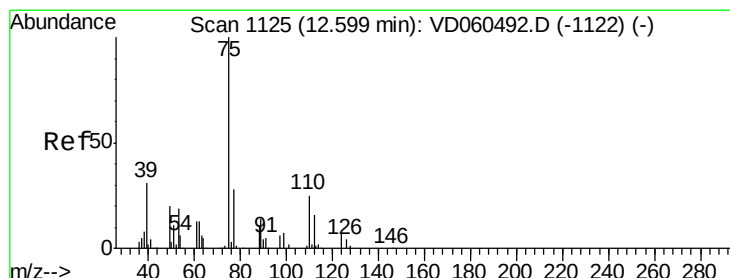
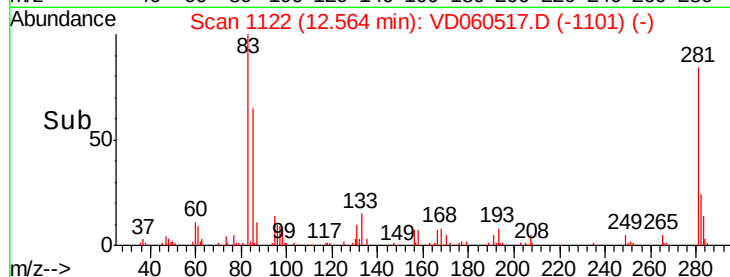
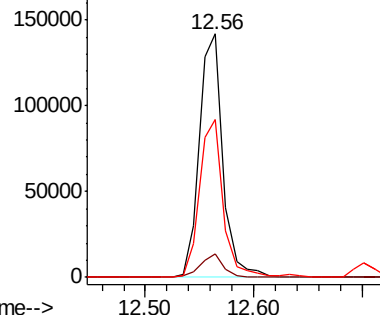
85 64.7 32.3 96.9



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: 22.189 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060517.D

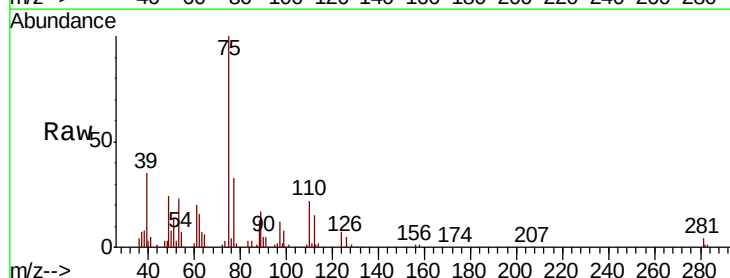
Acq: 10 Dec 2018 11:36

Tgt Ion: 75 Resp: 217204

Ion Ratio Lower Upper

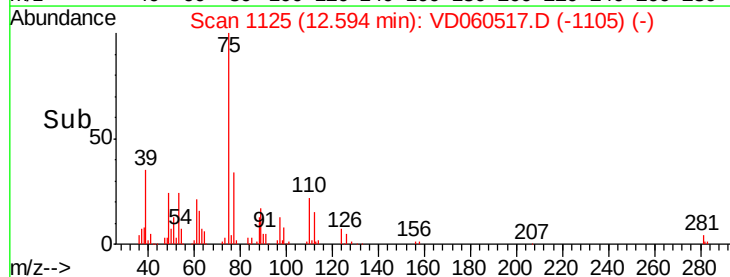
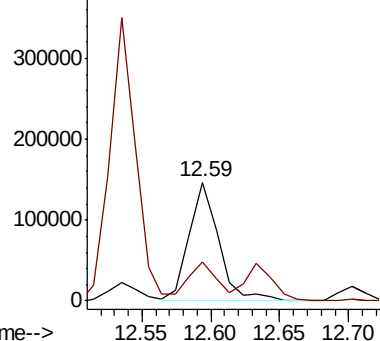
75 100

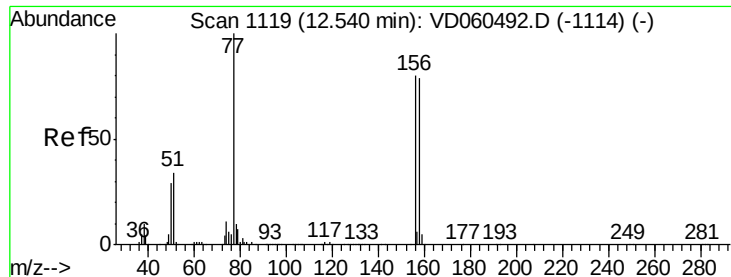
77 32.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.866 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

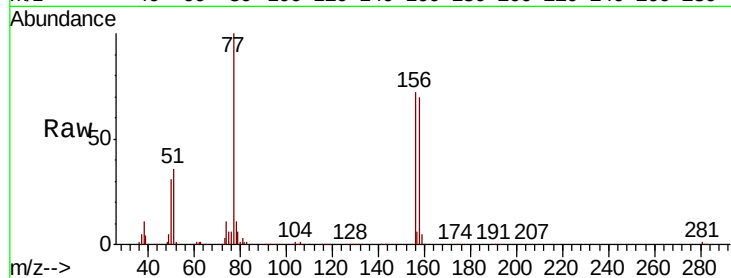
Tot Ion:156 Resp: 367456

Ion Ratio Lower Upper

156 100

77 139.1 62.5 187.6

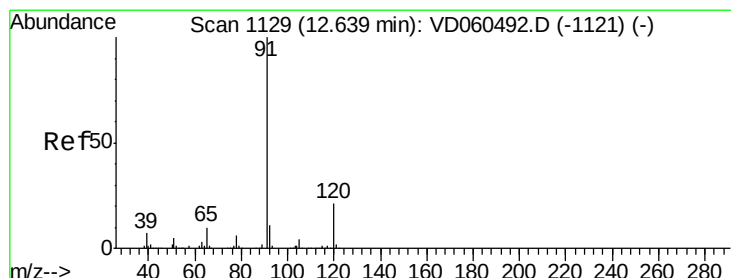
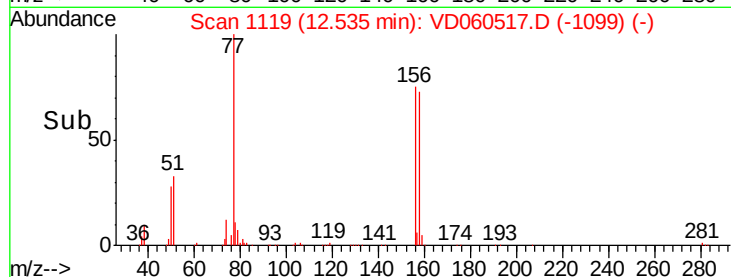
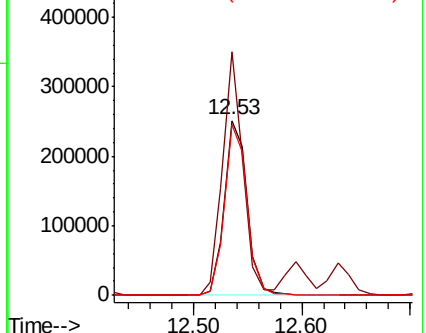
158 97.5 49.4 148.2



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: 23.358 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060517.D

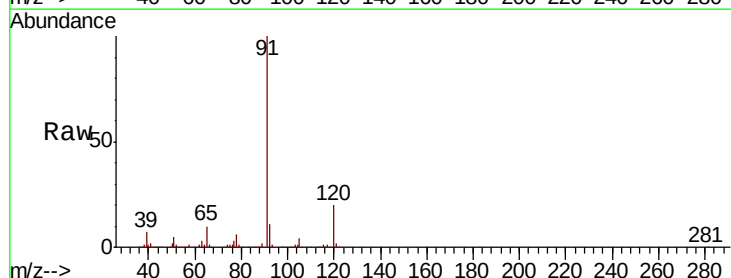
Acq: 10 Dec 2018 11:36

Tgt Ion: 91 Resp: 1805128

Ion Ratio Lower Upper

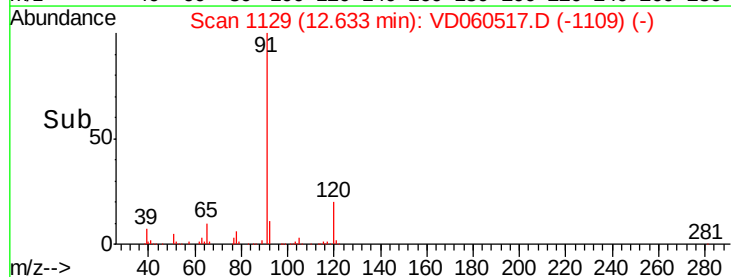
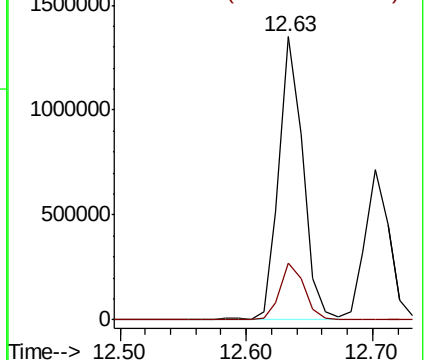
91 100

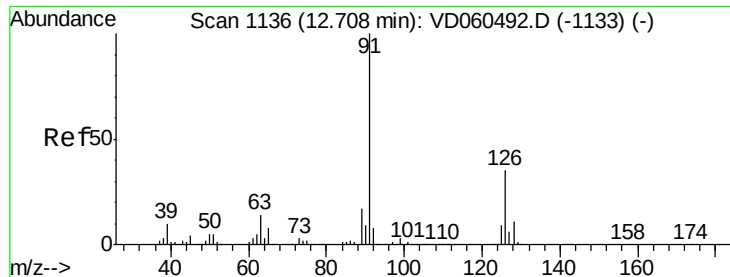
120 20.1 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 23.216 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

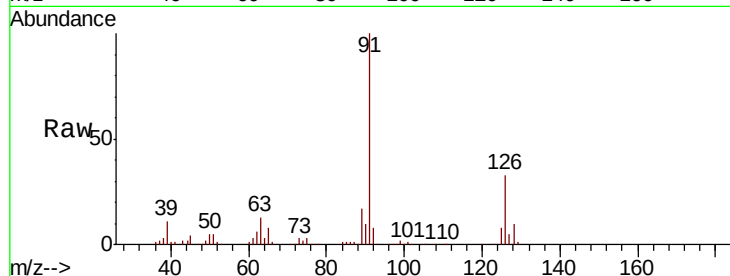
VD1210SBS01

Tot Ion: 91 Resp: 973580

Ion Ratio Lower Upper

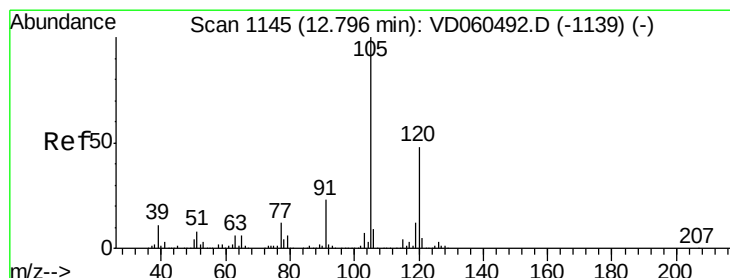
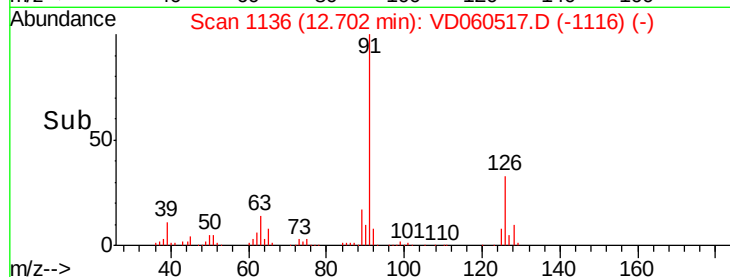
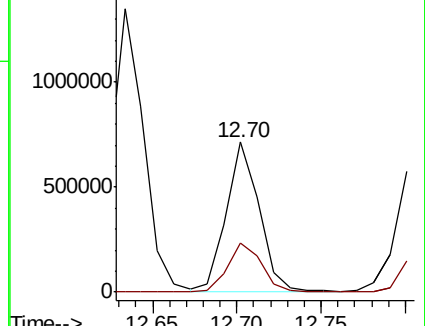
91 100

126 32.9 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: 24.203 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060517.D

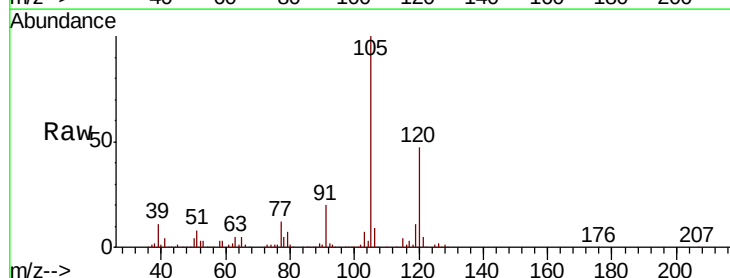
Acq: 10 Dec 2018 11:36

Tgt Ion: 105 Resp: 1130625

Ion Ratio Lower Upper

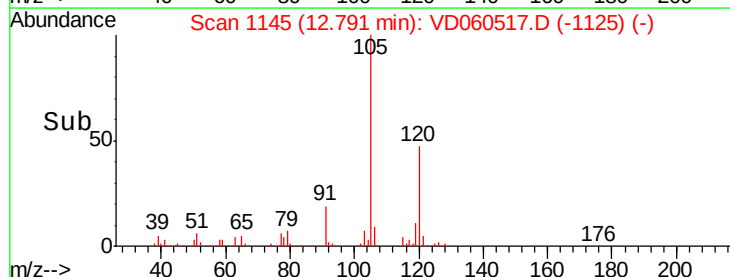
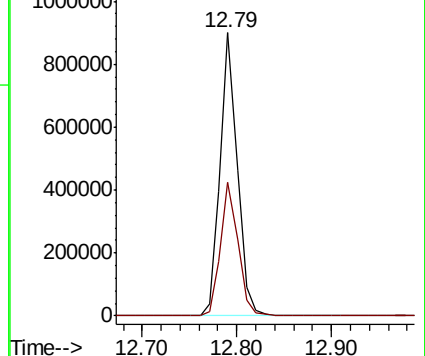
105 100

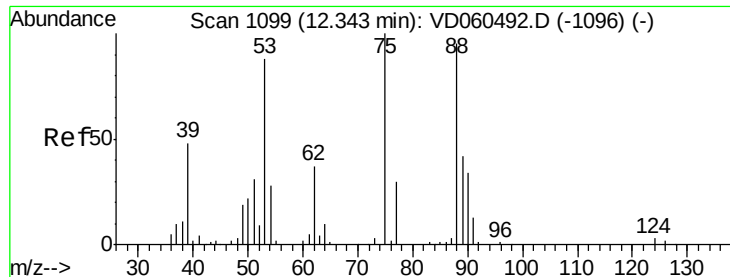
120 47.0 24.2 72.6



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: 21.880 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

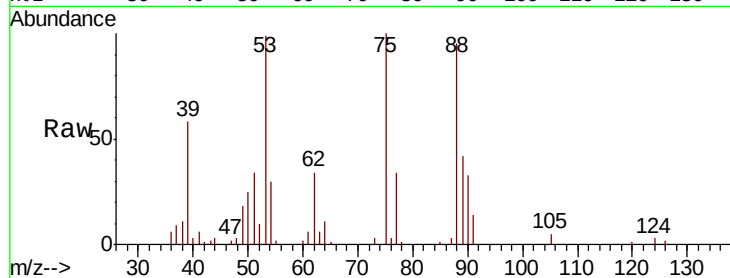
Tot Ion: 75 Resp: 59736

Ion Ratio Lower Upper

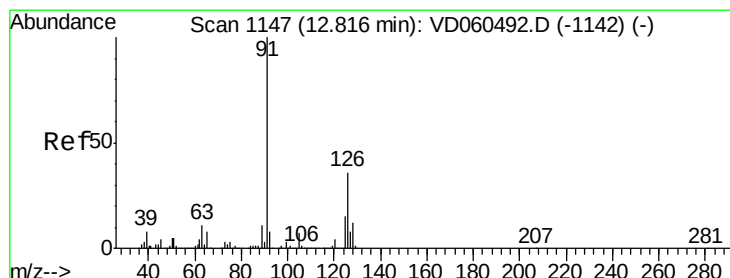
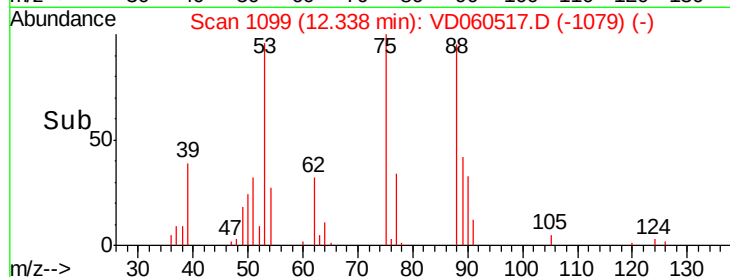
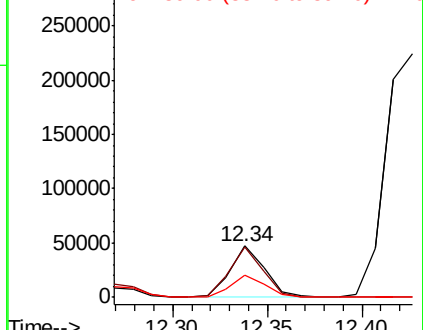
75 100

53 98.7 70.5 105.7

89 42.5 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: 23.532 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060517.D

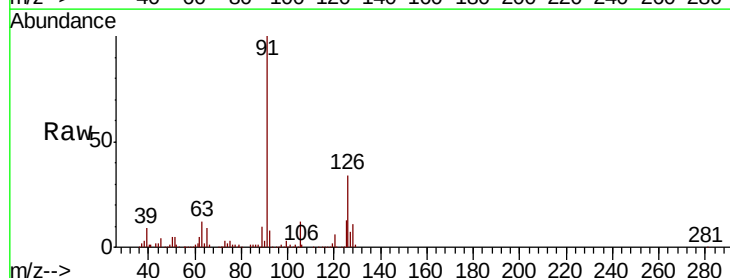
Acq: 10 Dec 2018 11:36

Tgt Ion: 91 Resp: 1108352

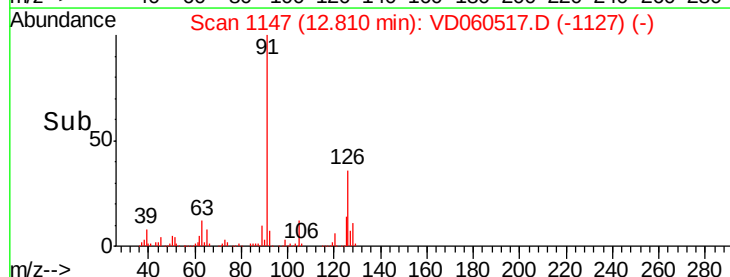
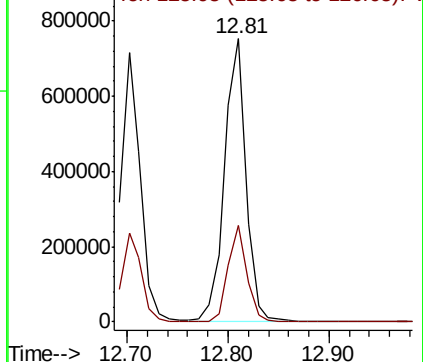
Ion Ratio Lower Upper

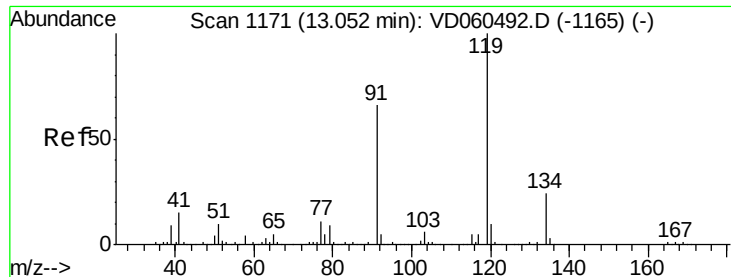
91 100

126 34.2 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: 23.565 ug/l

RT: 13.05 min Scan# 1171

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

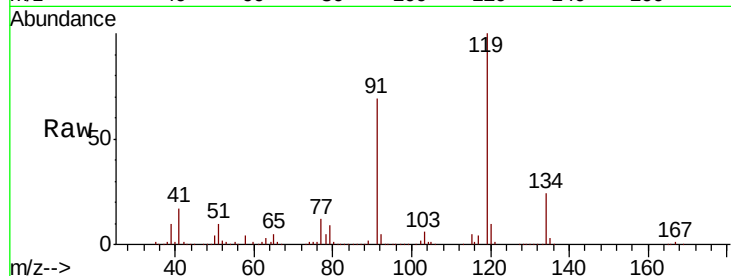
MSVOA_D

ClientSampleId :

VD1210SBS01

Tot Ion:119 Resp: 1234313

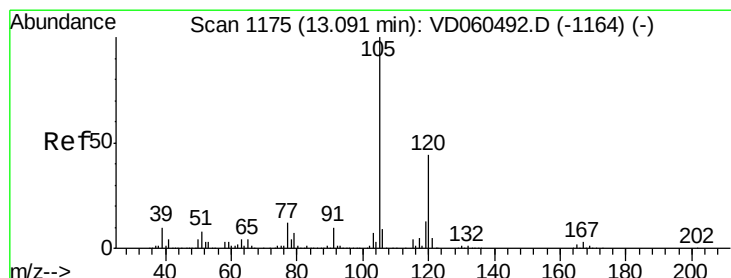
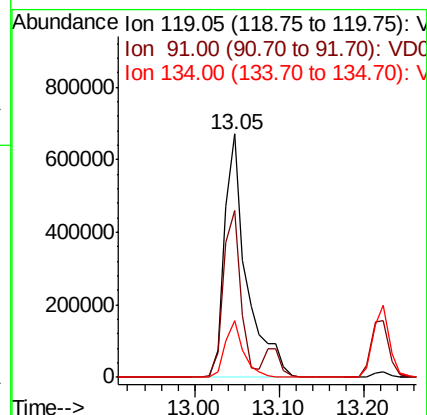
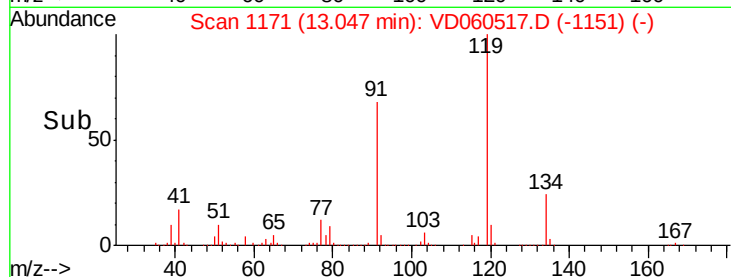
Ion	Ratio	Lower	Upper
119	100		
91	68.7	33.1	99.2
134	23.5	12.0	36.0



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: 23.849 ug/l

RT: 13.10 min Scan# 1176

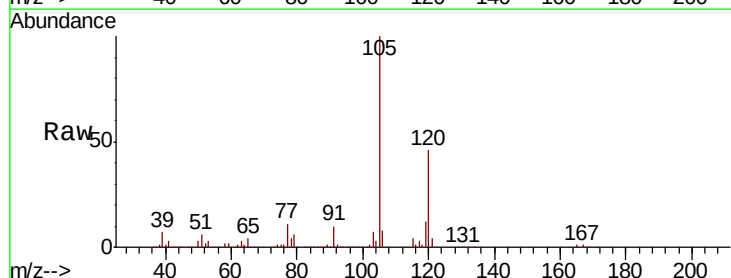
Delta R.T. 0.00 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

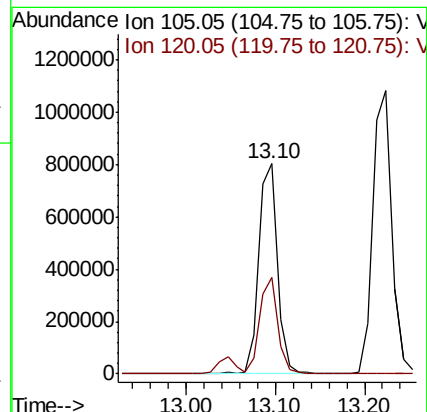
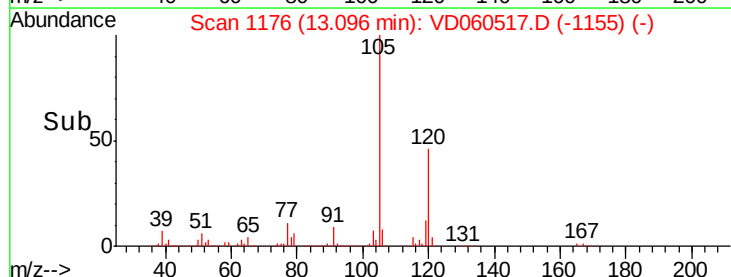
Tgt Ion:105 Resp: 1153613

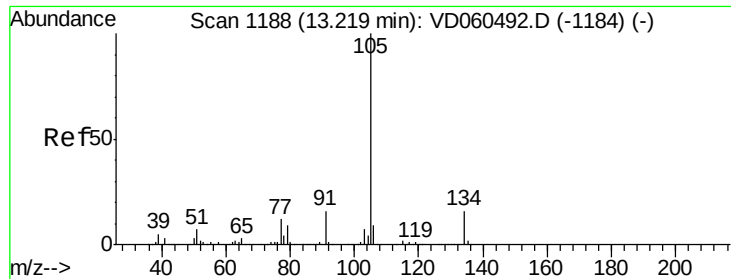
Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

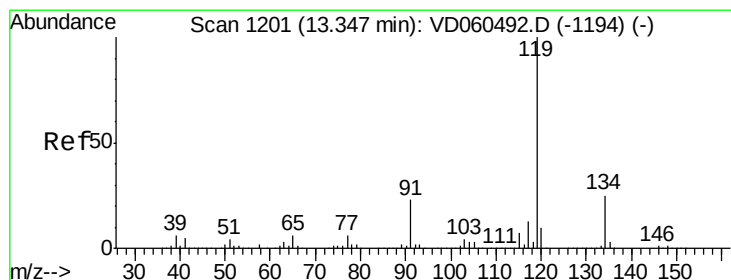
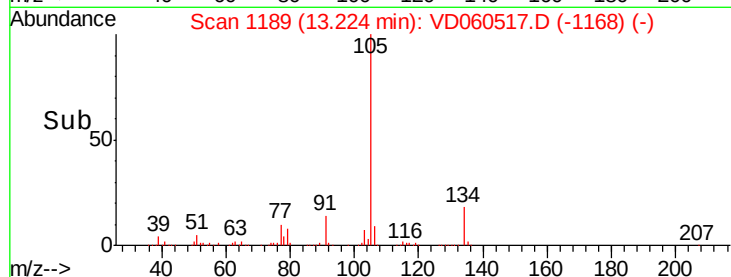
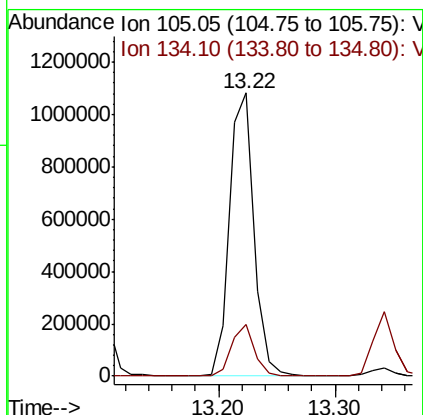
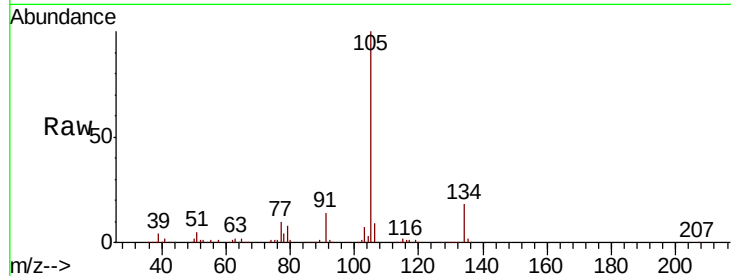




#85
 sec-Butylbenzene
 Concen: 23.940 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

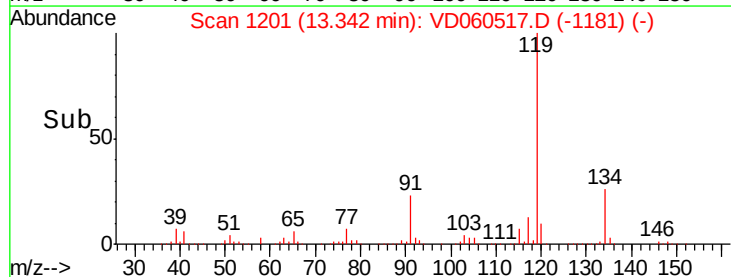
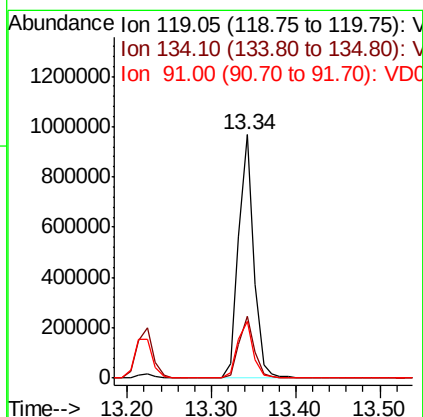
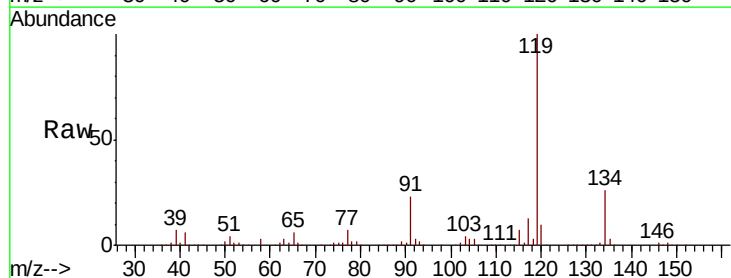
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

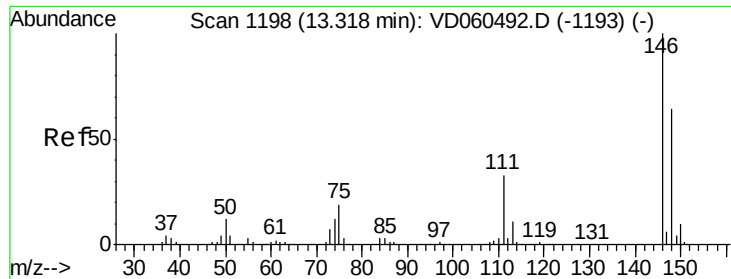
Tot Ion:105 Resp: 1562901
 Ion Ratio Lower Upper
 105 100
 134 18.4 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 23.412 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

Tgt Ion:119 Resp: 1211575
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.5 37.5
 91 23.2 11.5 34.4

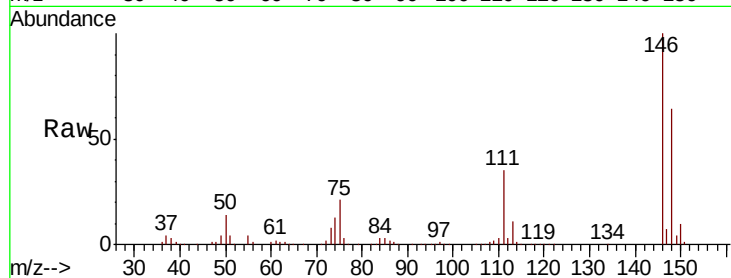




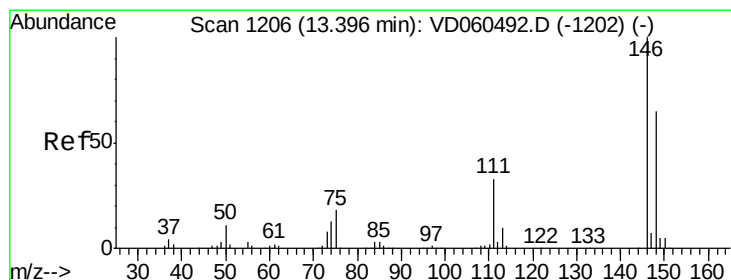
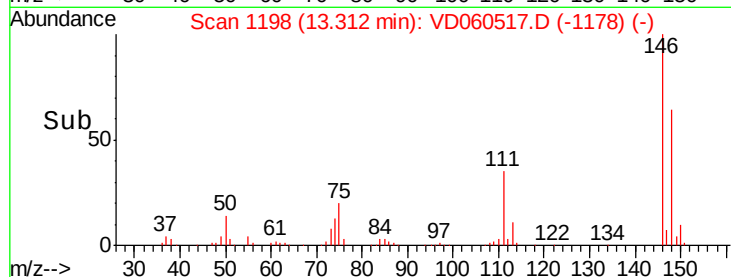
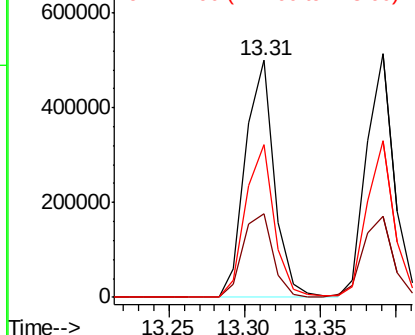
#87
 1,3-Dichlorobenzene
 Concen: 22.922 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Tot Ion:146 Resp: 666943
 Ion Ratio Lower Upper
 146 100
 111 35.2 16.5 49.5
 148 64.3 32.3 96.8

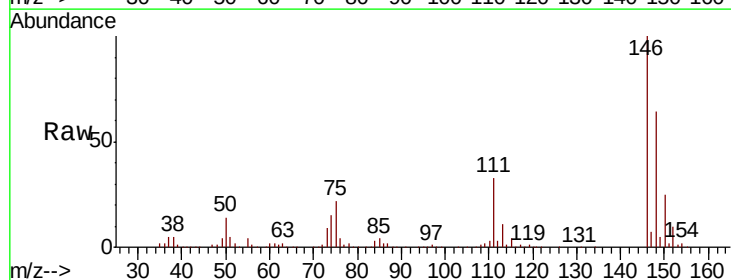


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

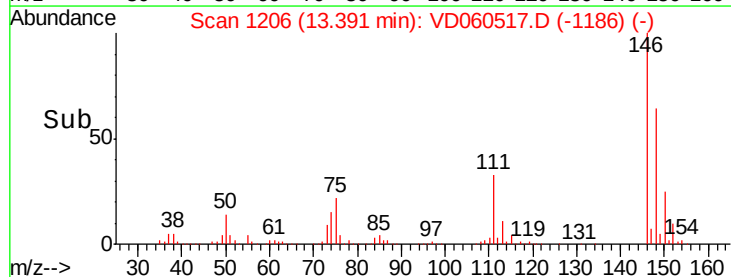
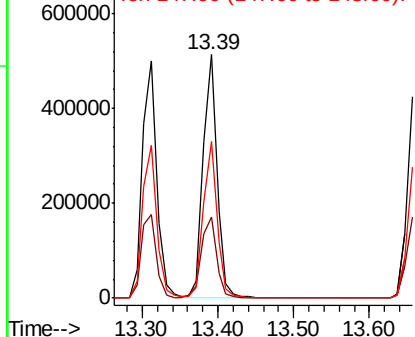


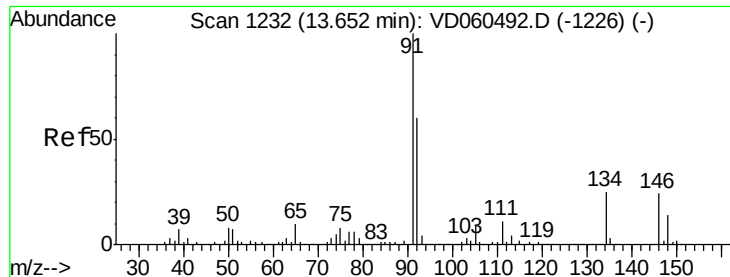
#88
 1,4-Dichlorobenzene
 Concen: 23.129 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

Tgt Ion:146 Resp: 660175
 Ion Ratio Lower Upper
 146 100
 111 33.4 16.4 49.1
 148 64.4 32.6 98.0



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





#89

n-Butylbenzene

Concen: 21.942 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

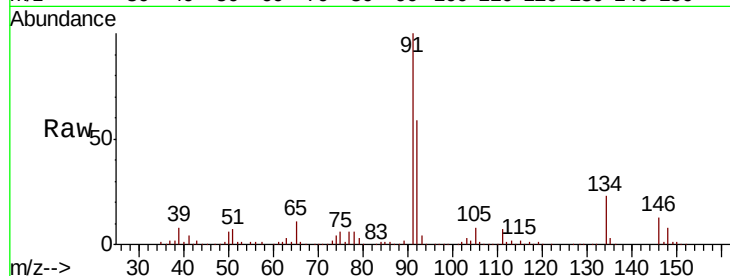
Tot Ion: 91 Resp: 1255031

Ion Ratio Lower Upper

91 100

92 59.5 30.0 90.1

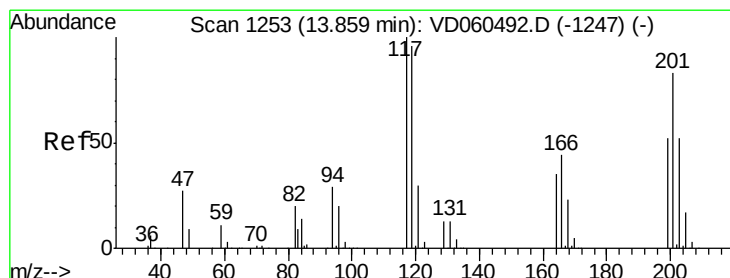
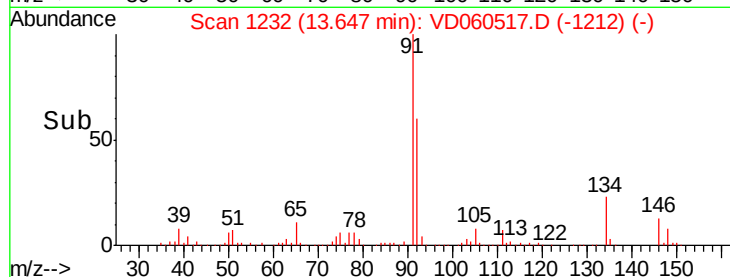
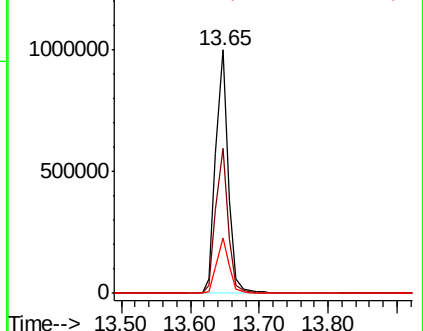
134 23.0 12.5 37.5



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: 23.288 ug/l

RT: 13.85 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD060517.D

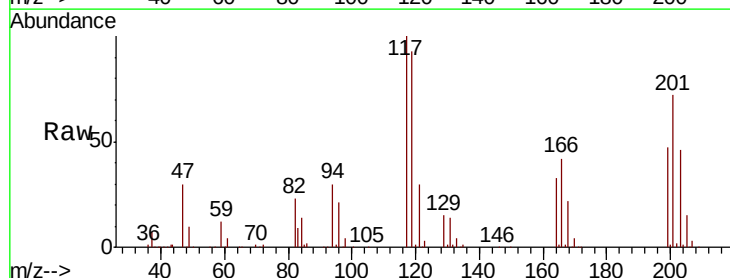
Acq: 10 Dec 2018 11:36

Tgt Ion: 117 Resp: 302168

Ion Ratio Lower Upper

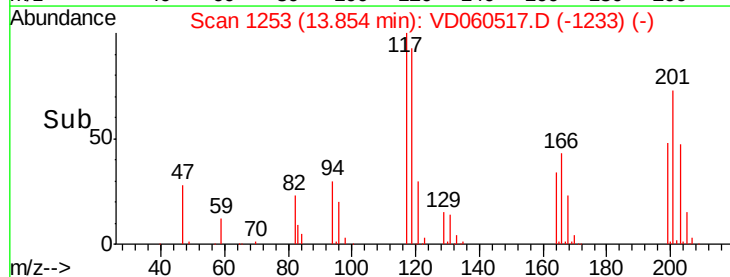
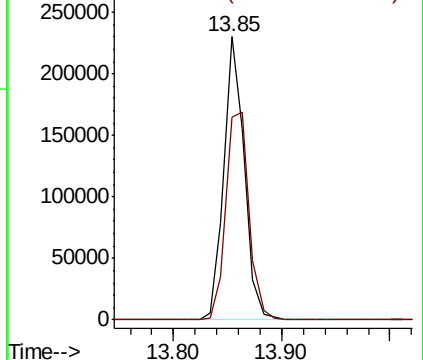
117 100

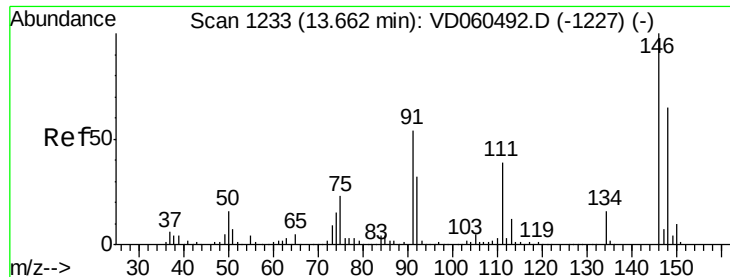
201 71.8 41.3 123.9



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

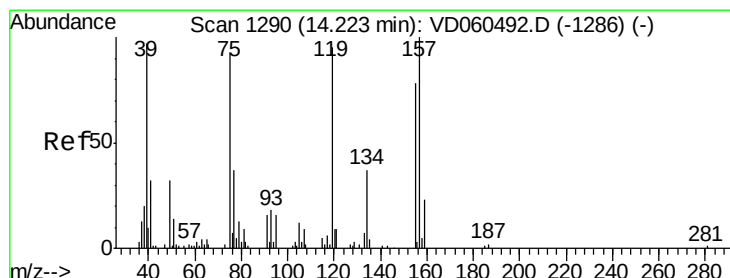
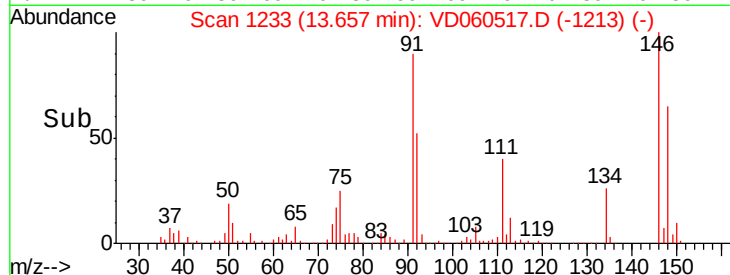
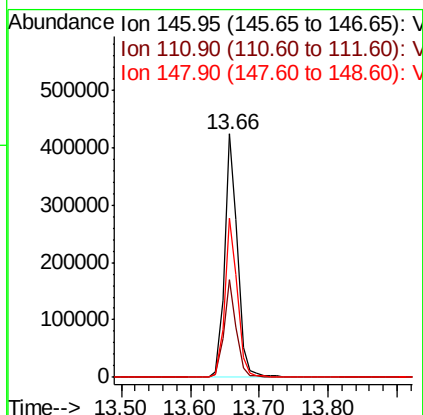
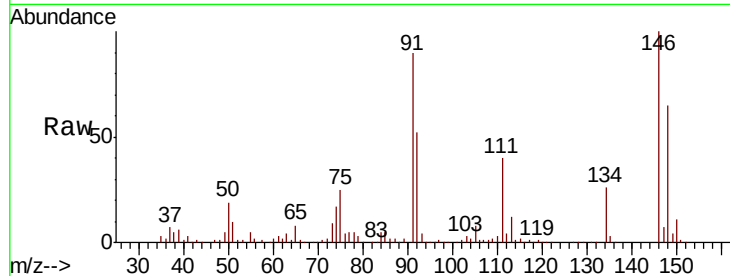




#91
 1,2-Dichlorobenzene
 Concen: 22.918 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

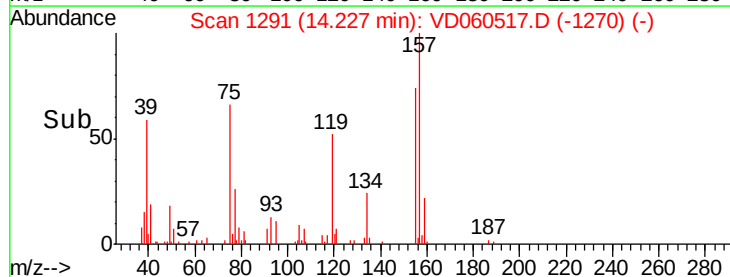
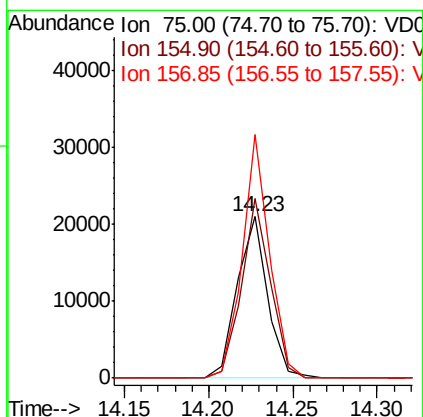
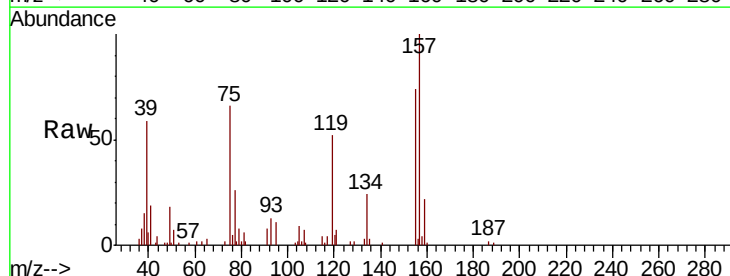
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

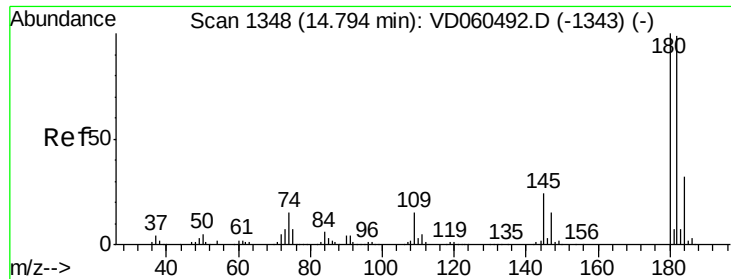
Tot Ion:146 Resp: 544931
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.3 57.8
 148 65.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.996 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

Tgt Ion: 75 Resp: 26086
 Ion Ratio Lower Upper
 75 100
 155 111.5 41.6 124.9
 157 150.9 53.6 160.8

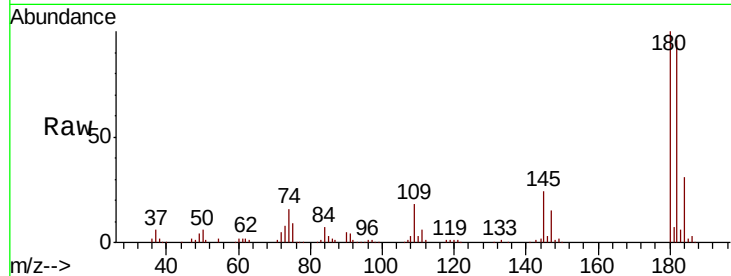




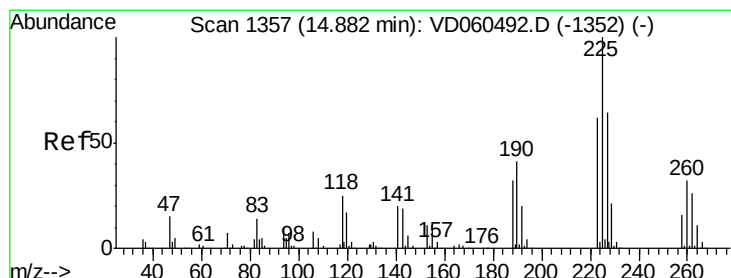
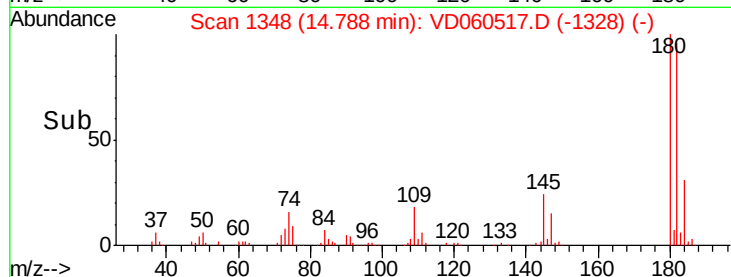
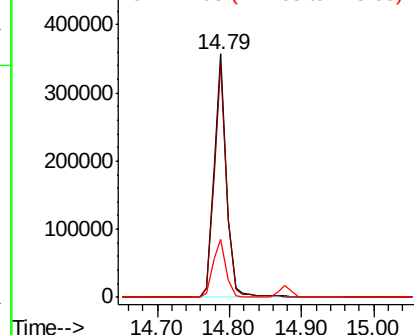
#93
 1,2,4-Trichlorobenzene
 Concen: 22.746 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Tot Ion:180 Resp: 422808
 Ion Ratio Lower Upper
 180 100
 182 96.3 49.4 148.0
 145 23.9 11.9 35.9

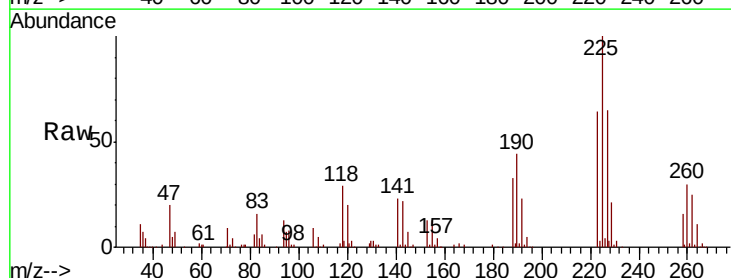


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

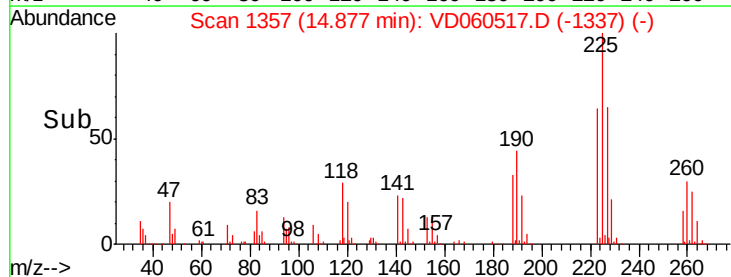
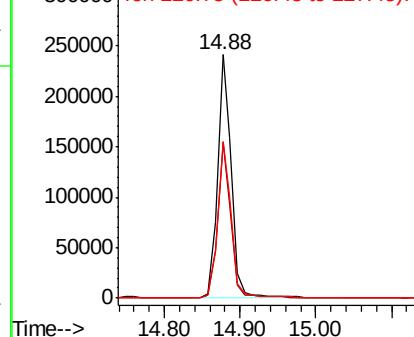


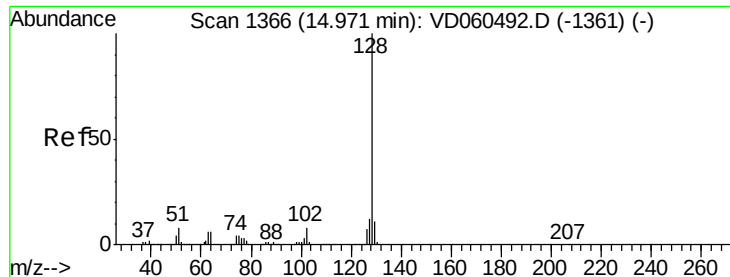
#94
 Hexachlorobutadiene
 Concen: 22.734 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060517.D
 Acq: 10 Dec 2018 11:36

Tgt Ion:225 Resp: 311786
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.2 93.6
 227 64.5 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: 22.526 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

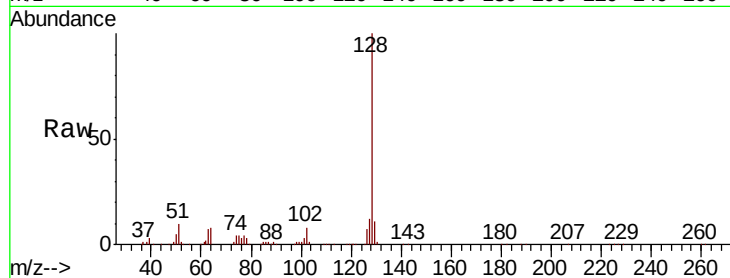
Tot Ion:128 Resp: 498119

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.8

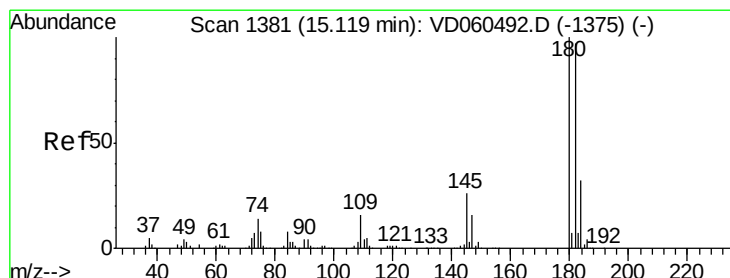
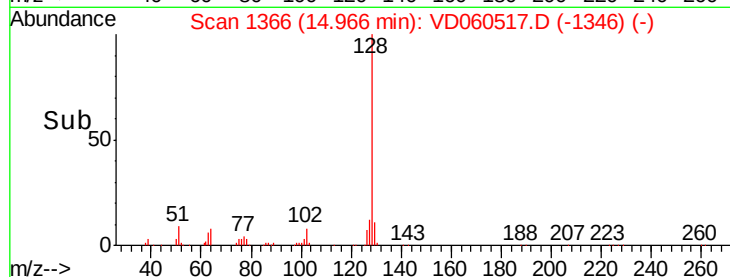
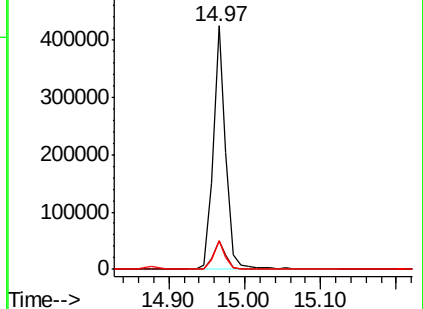
129 11.5 8.6 13.0



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: 22.328 ug/l

RT: 15.11 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

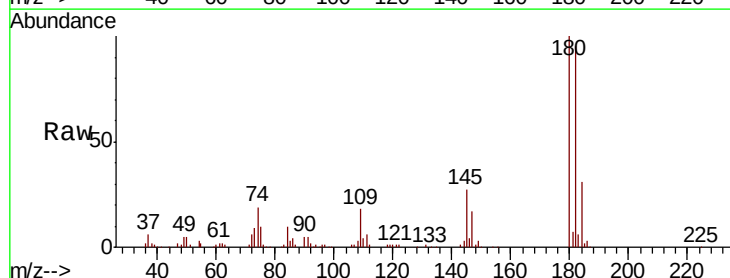
Tgt Ion:180 Resp: 330698

Ion Ratio Lower Upper

180 100

182 95.4 48.5 145.5

145 27.1 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

