

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060528.D
 Acq On : 11 Dec 2018 11:45
 Operator : VA/AP
 Sample : VD1211SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Quant Time: Dec 12 03:10:48 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	1635439	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2253318	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1750125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	902324	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	573969	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
35) Dibromofluoromethane	6.33	113	815753	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	9.46	98	2420605	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.43	95	842357	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	441308	25.081	ug/l	99
3) Chloromethane	1.77	50	388774	23.137	ug/l	97
4) Vinyl Chloride	1.87	62	309765	23.098	ug/l	100
5) Bromomethane	2.16	94	56917	16.965	ug/l #	79
6) Chloroethane	2.27	64	79089	17.039	ug/l	99
7) Trichlorofluoromethane	2.52	101	323995	20.923	ug/l	100
8) Diethyl Ether	2.84	74	58497	21.871	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.11	101	219646	21.862	ug/l	95
10) Methyl Iodide	3.26	142	238050	20.270	ug/l	98
11) Tert butyl alcohol	3.98	59	39455	83.778	ug/l #	93
12) 1,1-Dichloroethene	3.09	96	181479	22.201	ug/l	96
13) Acrolein	3.00	56	47850	92.986	ug/l	96
14) Allyl chloride	3.55	41	328780	21.199	ug/l	99
15) Acrylonitrile	4.09	53	279704	104.599	ug/l	97
16) Acetone	3.18	43	178271	95.943	ug/l	100
17) Carbon Disulfide	3.33	76	565454	21.295	ug/l	100
18) Methyl Acetate	3.57	43	91429	20.704	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	467370	20.617	ug/l	98
20) Methylene Chloride	3.73	84	387389	20.025	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	373666	21.014	ug/l	98
22) Diisopropyl ether	4.86	45	1171204	21.033	ug/l	99
23) Vinyl Acetate	4.81	43	2917072	105.732	ug/l	99
24) 1,1-Dichloroethane	4.76	63	614404	21.239	ug/l	99
25) 2-Butanone	5.63	43	358838	98.161	ug/l	98
26) 2,2-Dichloropropane	5.59	77	497964	22.283	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	387530	21.435	ug/l	95
28) Bromochloromethane	5.93	49	239427	18.683	ug/l	99
29) Tetrahydrofuran	5.95	42	218714	105.654	ug/l	96
30) Chloroform	6.10	83	617314	21.181	ug/l	98
31) Cyclohexane	6.38	56	592349	21.784	ug/l	97
32) 1,1,1-Trichloroethane	6.30	97	507243	21.171	ug/l	99
36) 1,1-Dichloropropene	6.52	75	480260	21.805	ug/l	98
37) Ethyl Acetate	5.71	43	201923	21.139	ug/l	98
38) Carbon Tetrachloride	6.50	117	430309	21.762	ug/l	98

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 Sample : VD1211SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Dec 12 03:10:48 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	554631	22.089	ug/l	97
40) Benzene	6.80	78	1233969	21.921	ug/l	99
41) Methacrylonitrile	5.95	41	228588	44.392	ug/l #	69
42) 1,2-Dichloroethane	6.90	62	309277	21.609	ug/l	99
43) Isopropyl Acetate	8.34	43	241915	20.516	ug/l #	98
44) Trichloroethene	7.74	130	358851	21.331	ug/l	99
45) 1,2-Dichloropropane	8.10	63	299332	21.500	ug/l	98
46) Dibromomethane	8.22	93	165258	20.545	ug/l	97
47) Bromodichloromethane	8.49	83	410406	21.503	ug/l	99
48) Methyl methacrylate	8.25	41	147907	21.199	ug/l	99
49) 1,4-Dioxane	8.24	88	26876	425.021	ug/l	90
51) 4-Methyl-2-Pentanone	9.34	43	764758	104.264	ug/l	98
52) Toluene	9.54	92	749772	21.310	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	332563	21.206	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	443369	21.518	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	204320	20.854	ug/l	97
56) Ethyl methacrylate	10.03	69	184869	20.848	ug/l	97
57) 1,3-Dichloropropane	10.38	76	320832	21.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	547297	103.153	ug/l	99
59) 2-Hexanone	10.49	43	521646	101.747	ug/l	99
60) Dibromochloromethane	10.64	129	268544	21.922	ug/l	100
61) 1,2-Dibromoethane	10.76	107	205071	20.538	ug/l	97
64) Tetrachloroethene	10.25	164	336987	21.745	ug/l	99
65) Chlorobenzene	11.32	112	807330	21.805	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.41	131	267440	22.410	ug/l	98
67) Ethyl Benzene	11.42	91	1447651	22.923	ug/l	98
68) m/p-Xylenes	11.56	106	1078227	46.149	ug/l	98
69) o-Xylene	11.94	106	497346	22.337	ug/l	98
70) Styrene	11.96	104	787928	22.046	ug/l	99
71) Bromoform	12.11	173	164089	20.610	ug/l	98
73) Isopropylbenzene	12.27	105	1399006	21.910	ug/l	99
74) N-amyl acetate	12.13	43	317277	20.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	207018	20.252	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	208974	20.440	ug/l	100
77) Bromobenzene	12.54	156	355335	21.171	ug/l	97
78) n-propylbenzene	12.63	91	1795803	22.249	ug/l	99
79) 2-Chlorotoluene	12.70	91	961205	21.946	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1095320	22.450	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	57787	20.266	ug/l	97
82) 4-Chlorotoluene	12.81	91	1071397	21.780	ug/l	100
83) tert-Butylbenzene	13.05	119	1219658	22.295	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	1097763	21.730	ug/l	97
85) sec-Butylbenzene	13.23	105	1563756	22.935	ug/l	93
86) p-Isopropyltoluene	13.34	119	1207065	22.333	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	648191	21.330	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	631626	21.187	ug/l	99
89) n-Butylbenzene	13.65	91	1275575	21.299	ug/l	98
90) Hexachloroethane	13.86	117	289512	21.364	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	543166	21.872	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	25656	20.714	ug/l	75

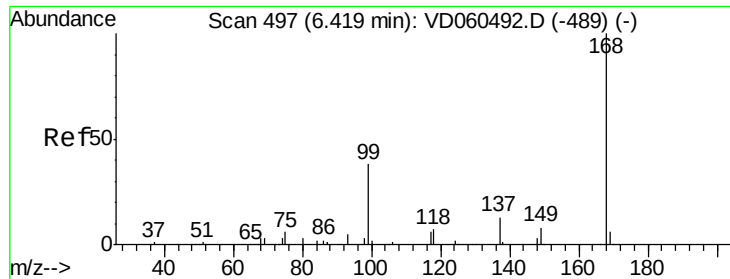
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121118\
Data File : VD060528.D
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Quant Time: Dec 12 03:10:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	419356	21.601	ug/l	99
94) Hexachlorobutadiene	14.88	225	310272	21.662	ug/l	99
95) Naphthalene	14.97	128	478736	20.728	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	318492	20.589	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

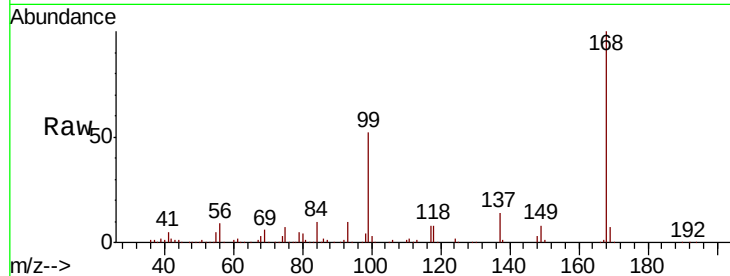
VD1211SBS01

Tot Ion:168 Resp: 1635439

Ion Ratio Lower Upper

168 100

99 51.7 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

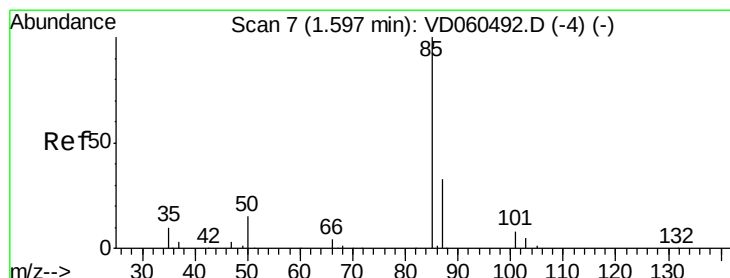
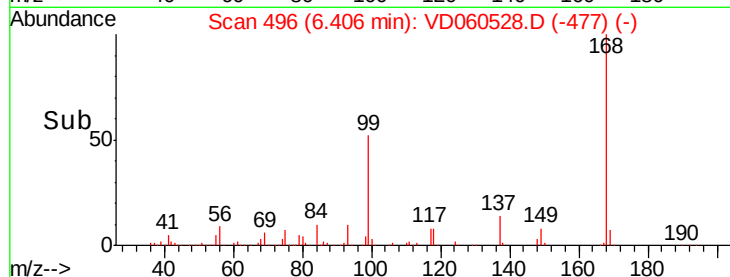
600000

400000

200000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 25.081 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060528.D

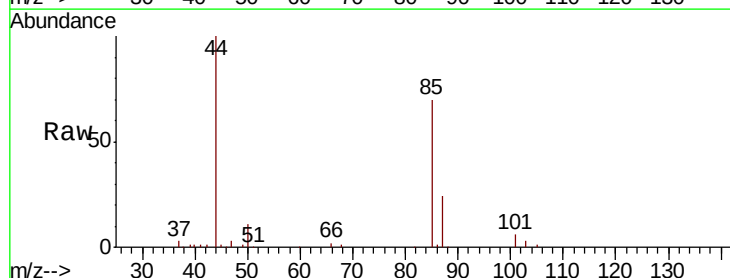
Acq: 11 Dec 2018 11:45

Tgt Ion: 85 Resp: 441308

Ion Ratio Lower Upper

85 100

87 34.1 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

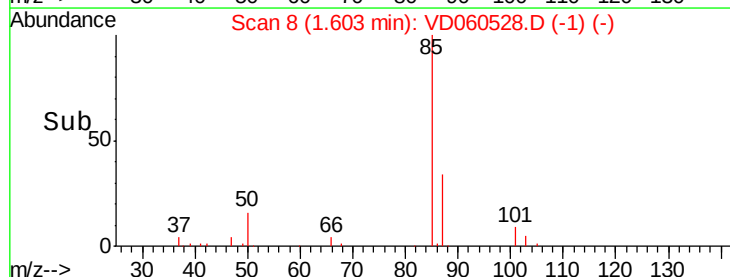
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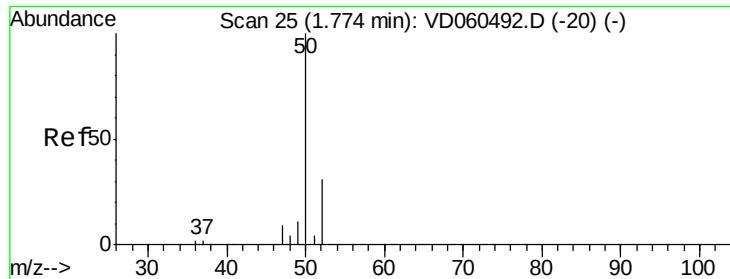
100000

50000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 23.137 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

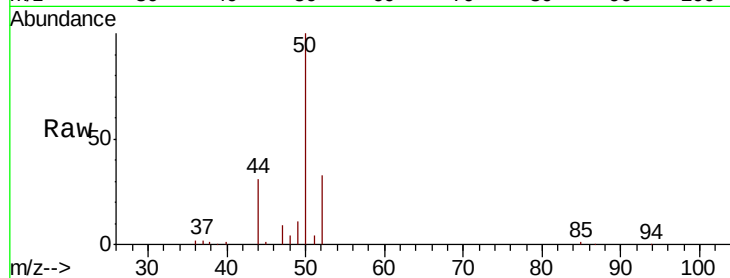
VD1211SBS01

Tot Ion: 50 Resp: 388774

Ion Ratio Lower Upper

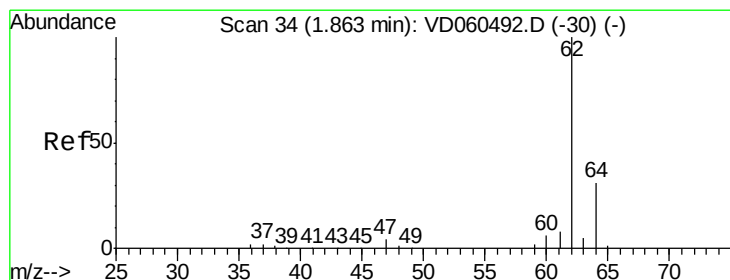
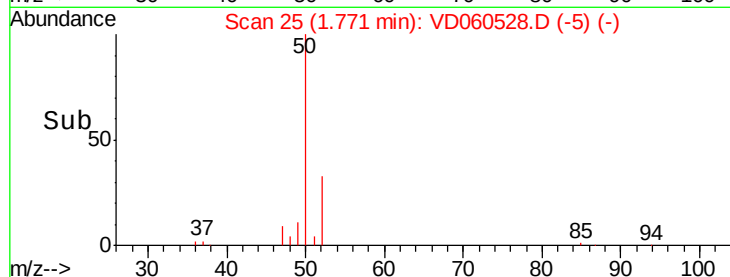
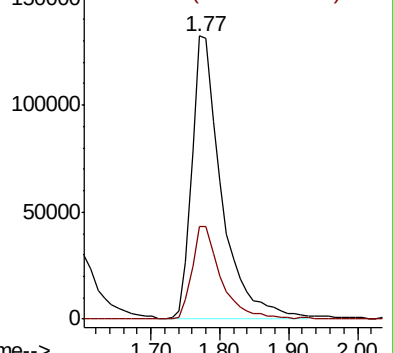
50 100

52 32.8 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.098 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060528.D

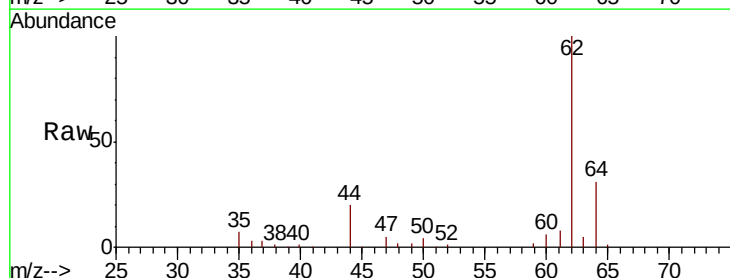
Acq: 11 Dec 2018 11:45

Tgt Ion: 62 Resp: 309765

Ion Ratio Lower Upper

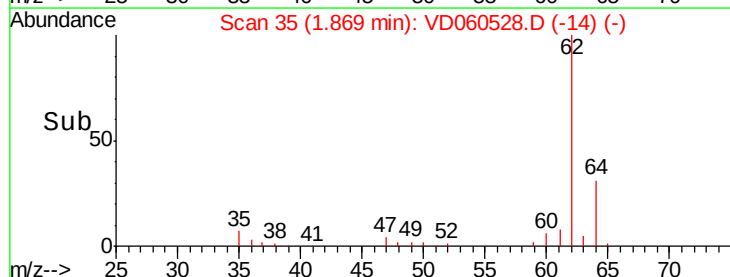
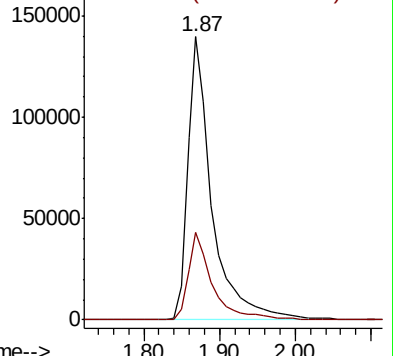
62 100

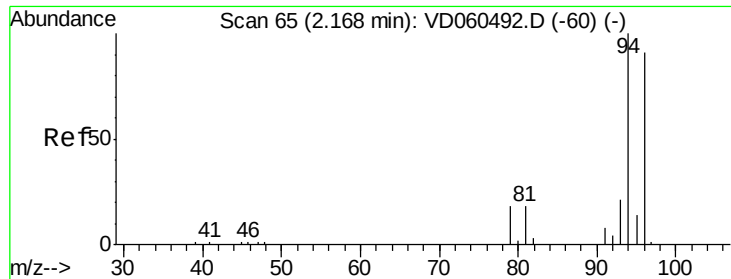
64 30.8 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.965 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

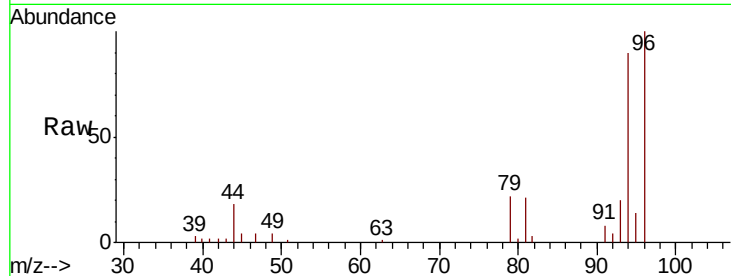
VD1211SBS01

Tot Ion: 94 Resp: 56917

Ion Ratio Lower Upper

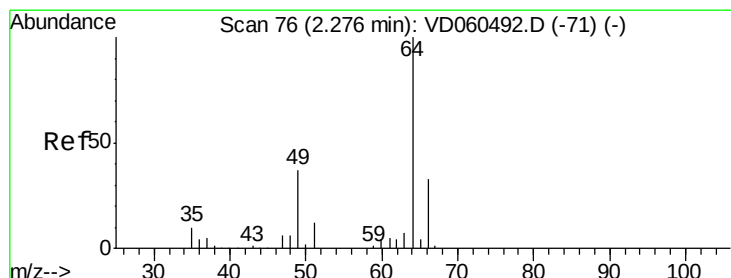
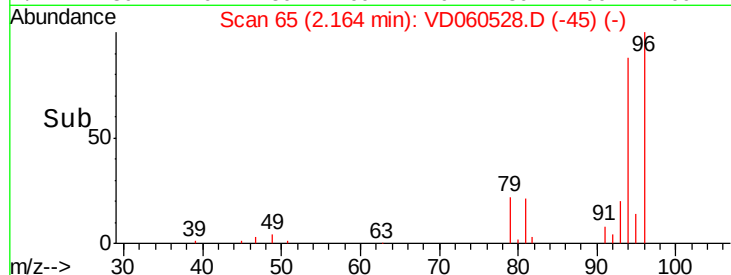
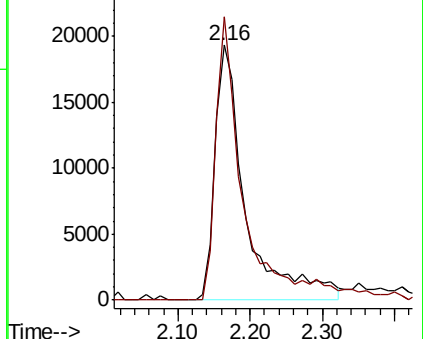
94 100

96 111.0 72.6 108.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.039 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060528.D

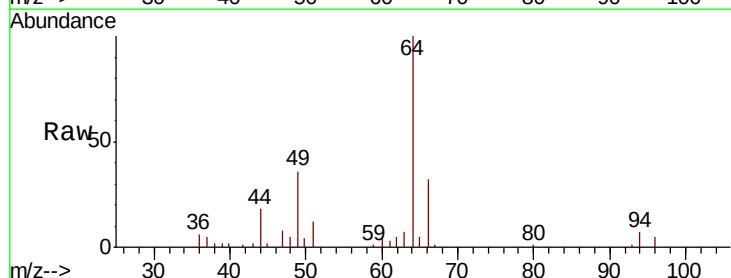
Acq: 11 Dec 2018 11:45

Tgt Ion: 64 Resp: 79089

Ion Ratio Lower Upper

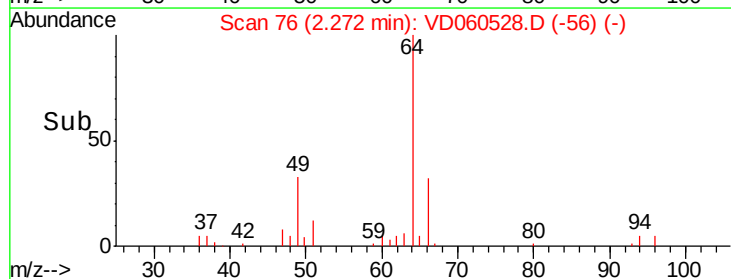
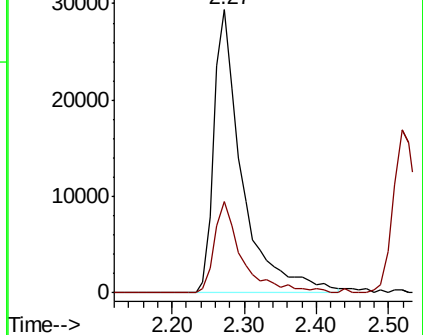
64 100

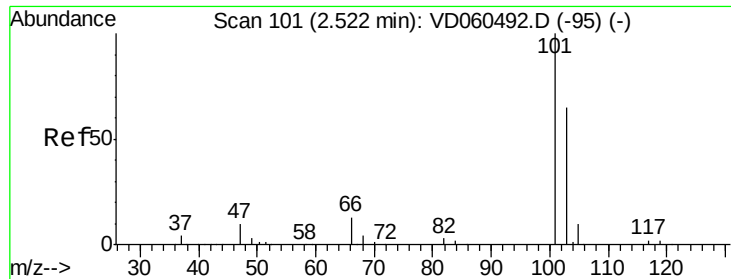
66 32.5 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



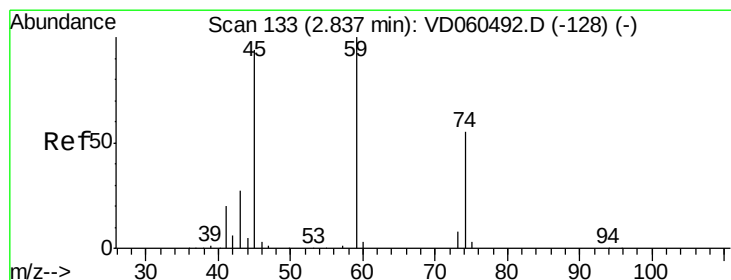
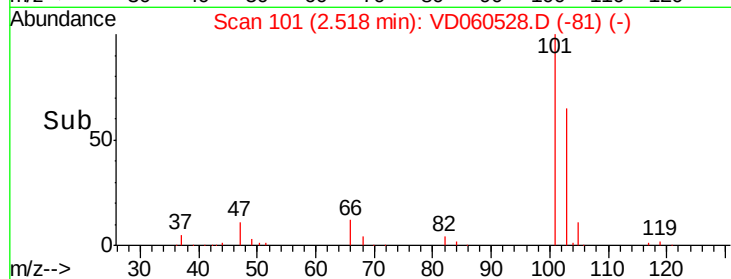
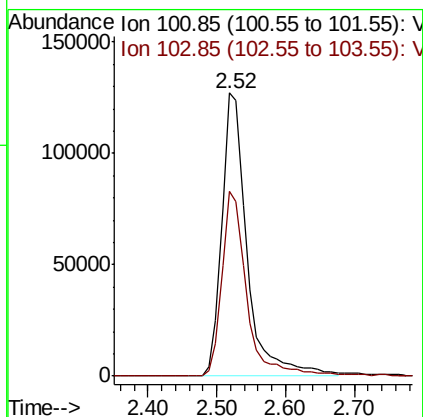
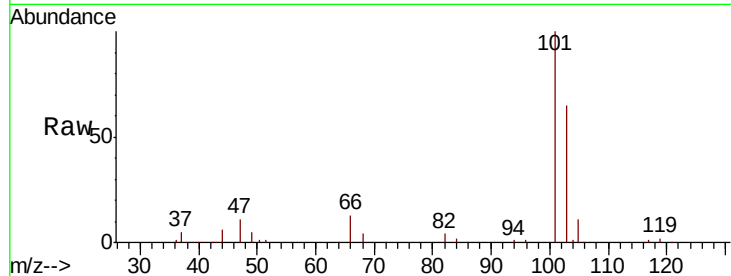


#7

Trichlorofluoromethane
Concen: 20.923 ug/l
RT: 2.52 min Scan# 101
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

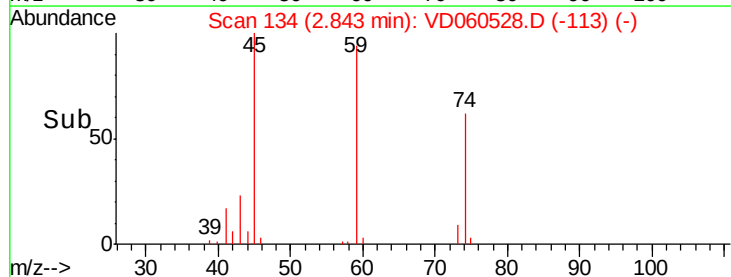
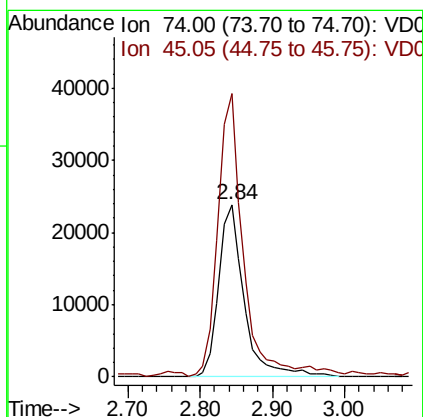
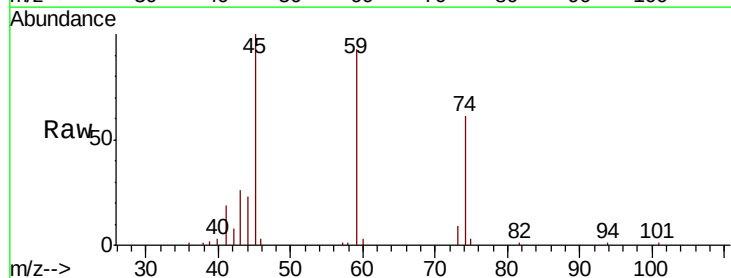
Tot Ion:101 Resp: 323995
Ion Ratio Lower Upper
101 100
103 65.1 51.8 77.8

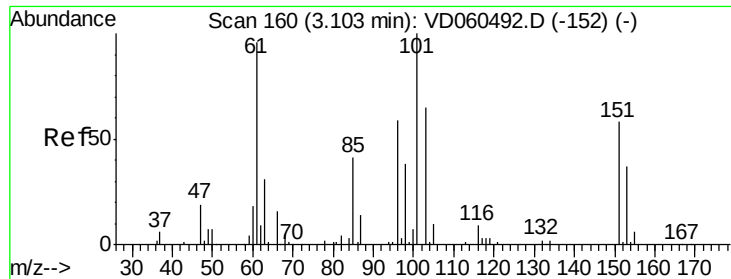


#8

Diethyl Ether
Concen: 21.871 ug/l
RT: 2.84 min Scan# 134
Delta R.T. 0.01 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion: 74 Resp: 58497
Ion Ratio Lower Upper
74 100
45 164.3 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.862 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

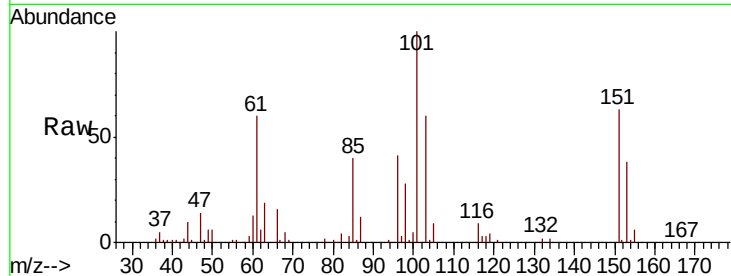
Tot Ion:101 Resp: 219646

Ion Ratio Lower Upper

101 100

85 39.5 32.7 49.1

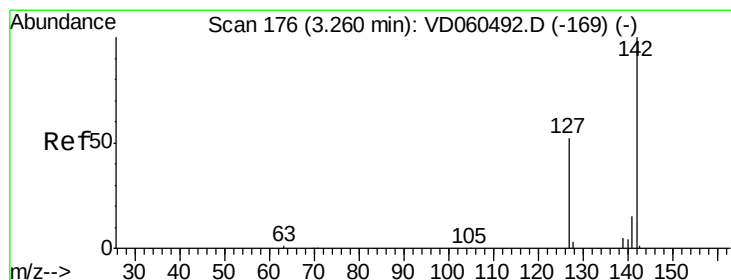
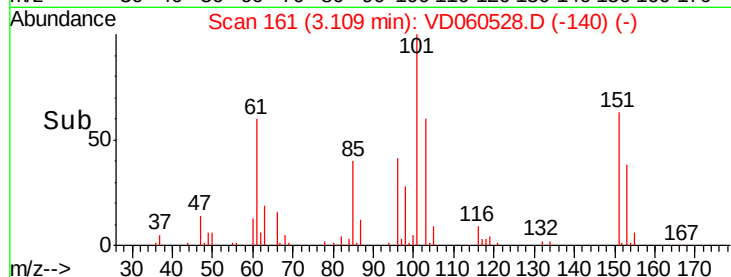
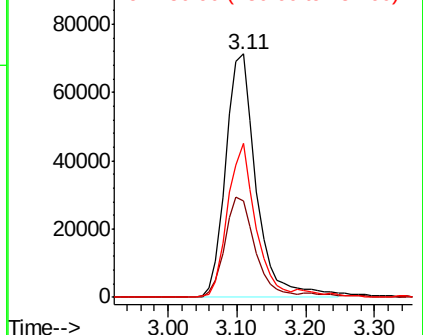
151 63.5 46.6 69.8



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: 20.270 ug/l

RT: 3.26 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

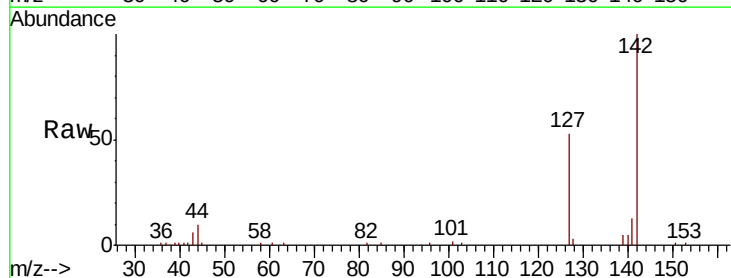
Tgt Ion:142 Resp: 238050

Ion Ratio Lower Upper

142 100

127 52.6 41.2 61.8

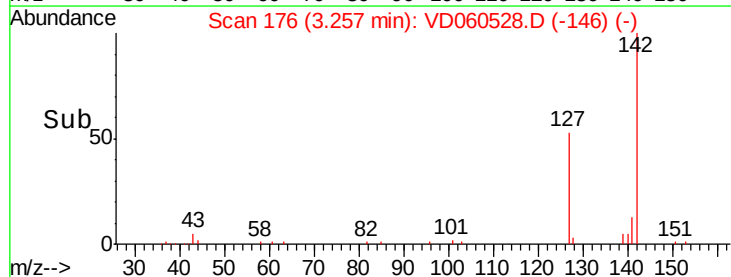
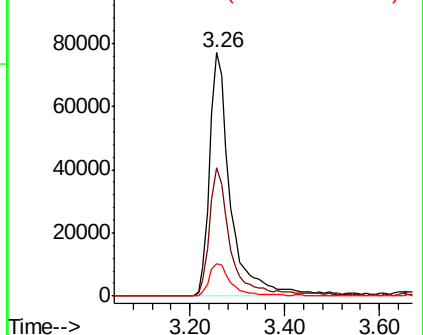
141 13.3 11.9 17.9

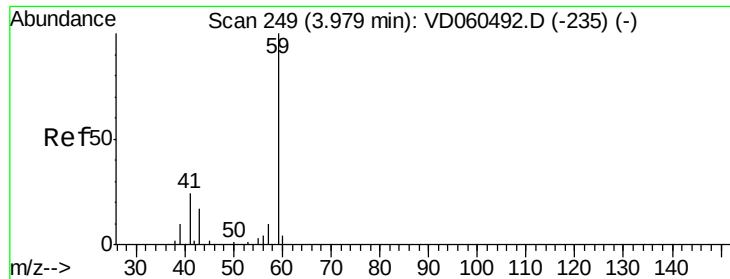


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



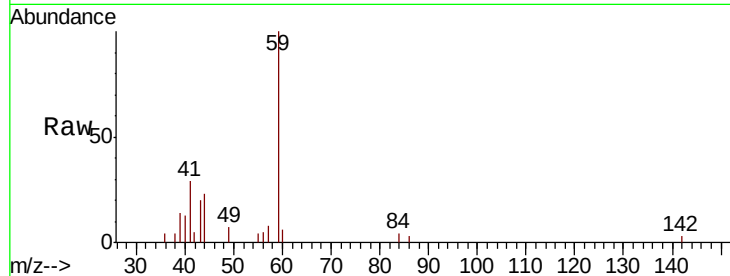


#11

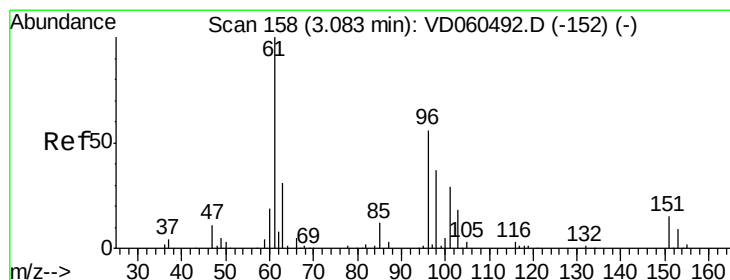
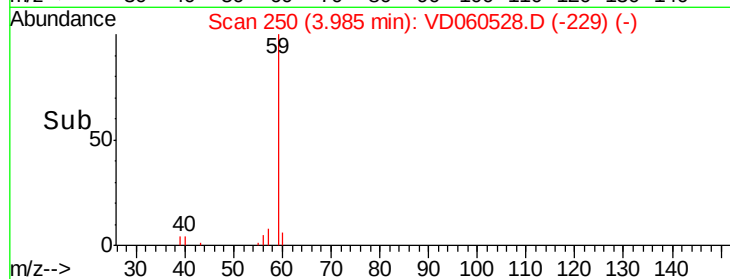
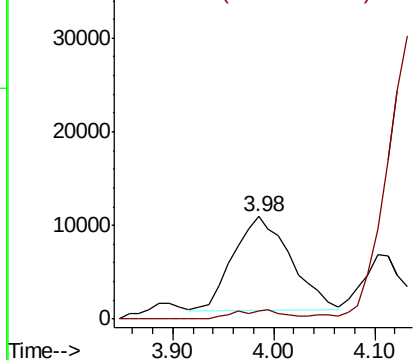
Tert butyl alcohol
Concen: 83.778 ug/l
RT: 3.98 min Scan# 250
Delta R.T. 0.01 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion: 59 Resp: 39455
Ion Ratio Lower Upper
59 100
57 7.7 8.1 12.1#



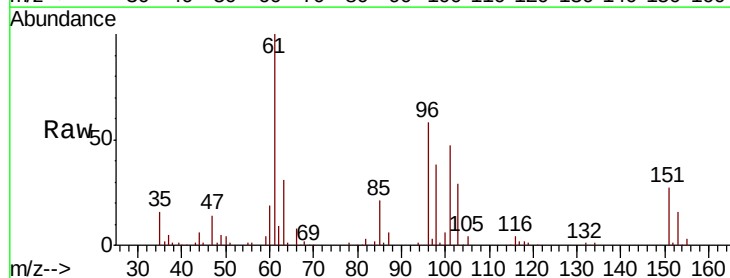
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



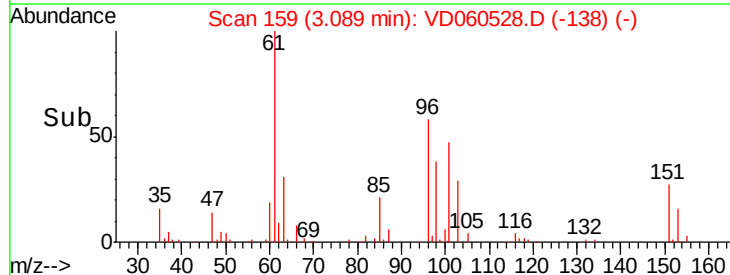
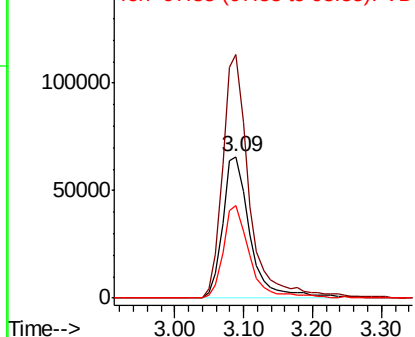
#12

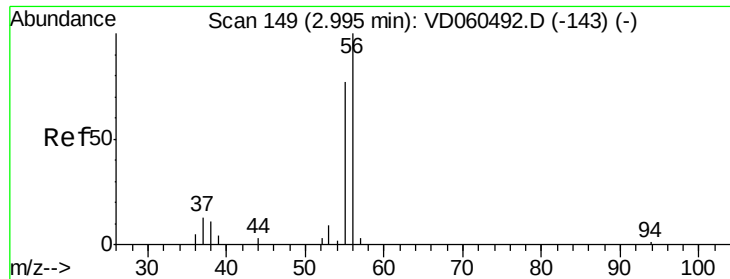
1,1-Dichloroethene
Concen: 22.201 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.01 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion: 96 Resp: 181479
Ion Ratio Lower Upper
96 100
61 172.0 143.0 214.4
98 65.1 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: 92.986 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

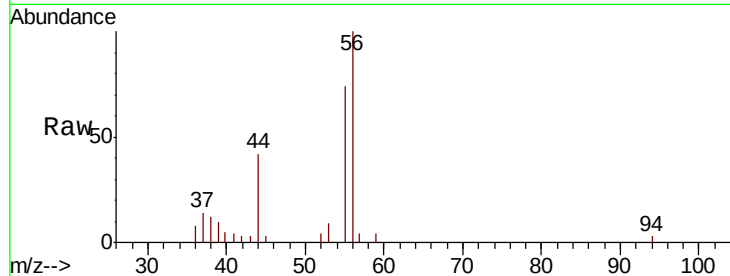
VD1211SBS01

Tot Ion: 56 Resp: 47850

Ion Ratio Lower Upper

56 100

55 73.8 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.00

15000

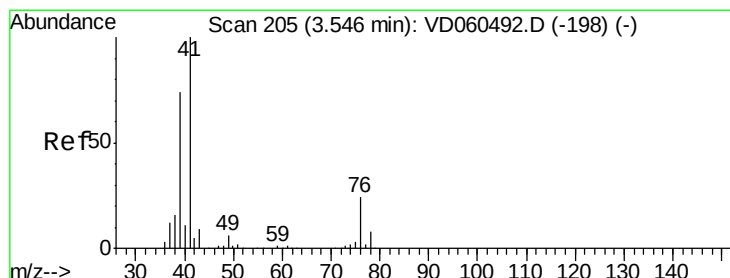
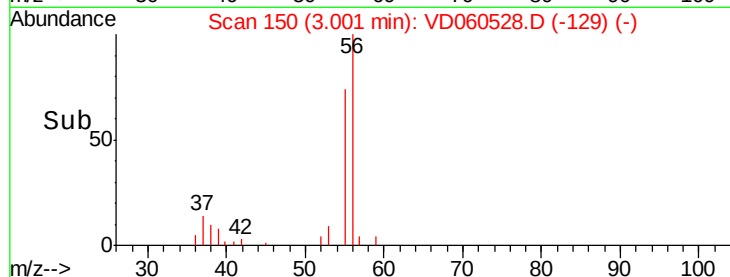
10000

5000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 21.199 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.01 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

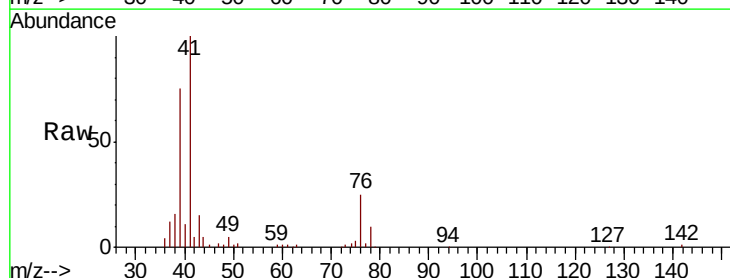
Tgt Ion: 41 Resp: 328780

Ion Ratio Lower Upper

41 100

39 74.9 59.3 88.9

76 25.3 21.0 31.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

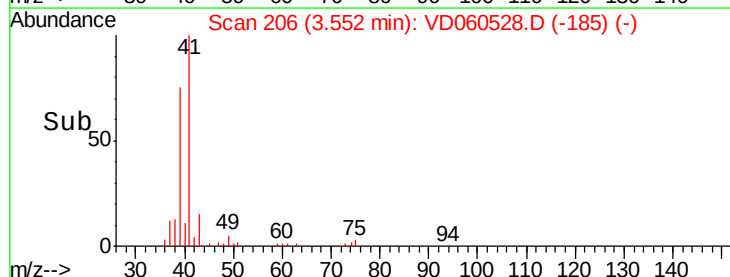
100000

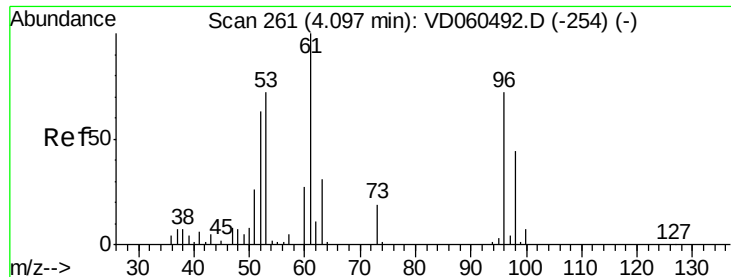
50000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 104.599 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

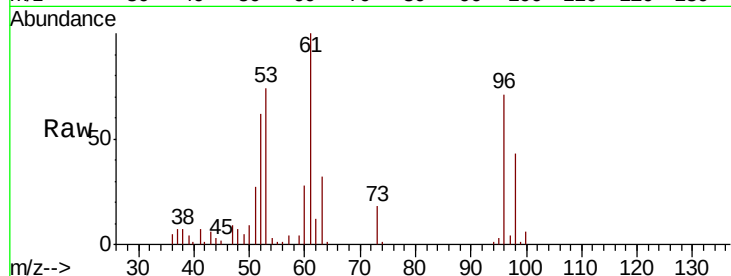
Tot Ion: 53 Resp: 279704

Ion Ratio Lower Upper

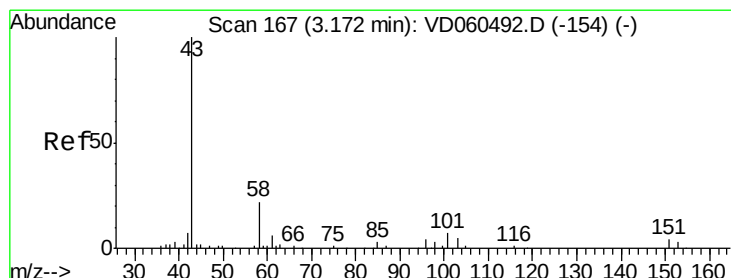
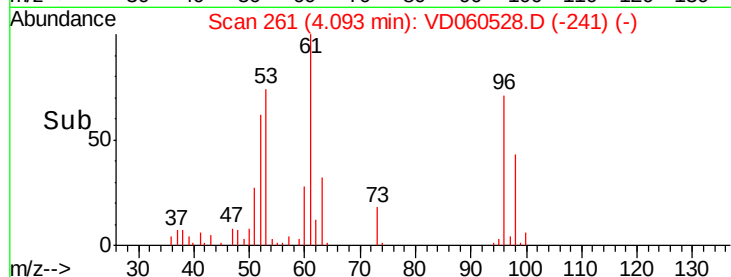
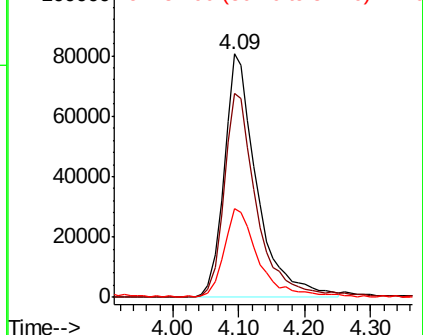
53 100

52 83.5 70.0 105.0

51 36.7 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: 95.943 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060528.D

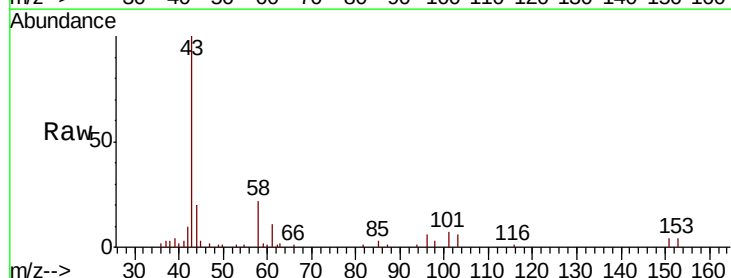
Acq: 11 Dec 2018 11:45

Tgt Ion: 43 Resp: 178271

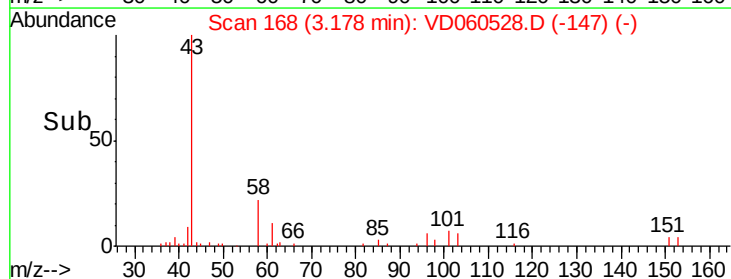
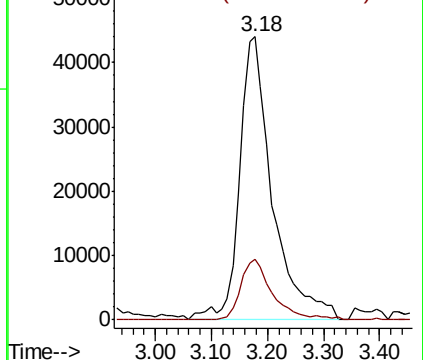
Ion Ratio Lower Upper

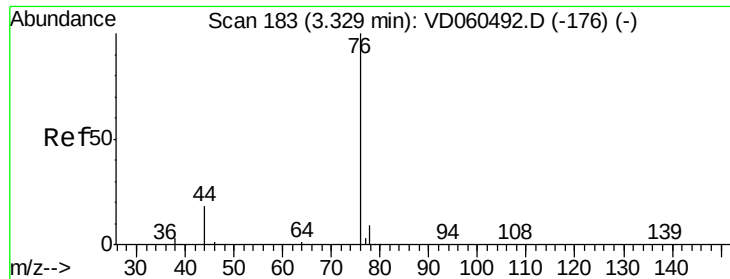
43 100

58 21.5 17.3 25.9



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

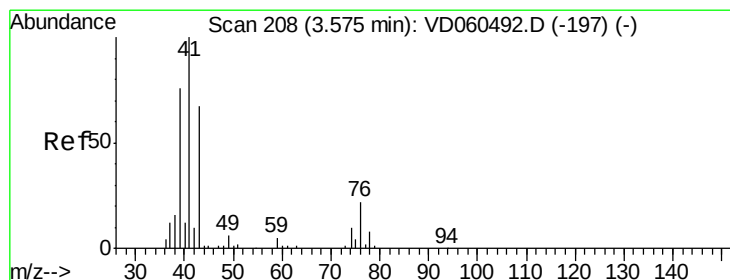
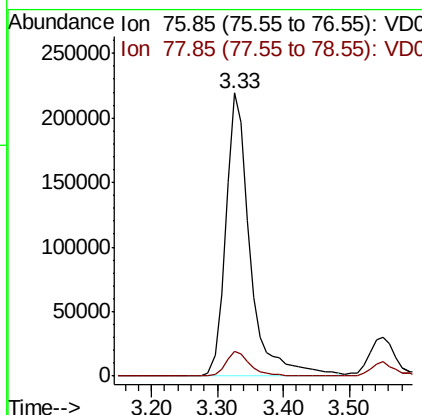
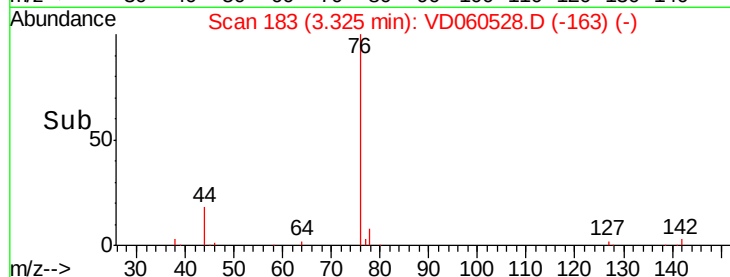
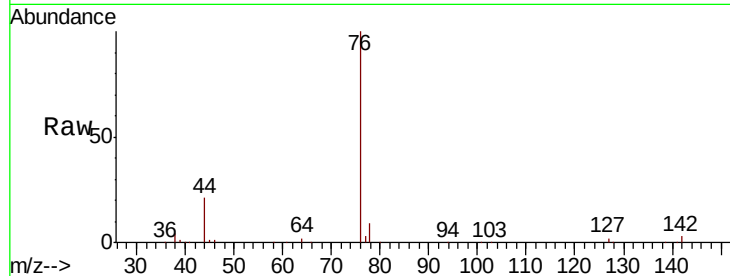




#17
Carbon Disulfide
Concen: 21.295 ug/l
RT: 3.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

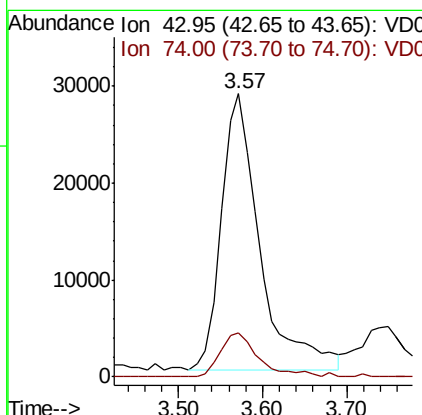
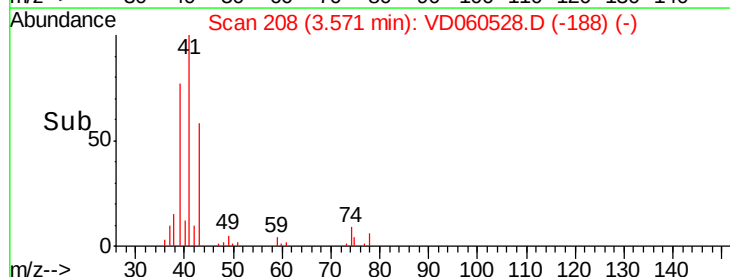
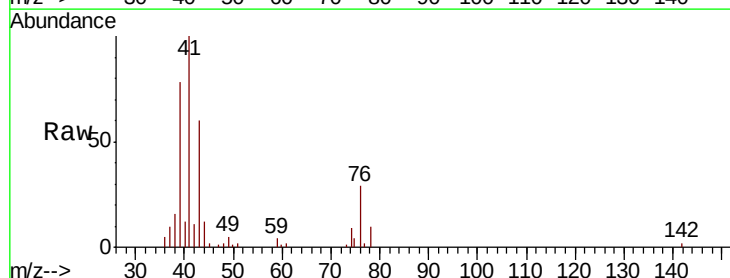
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

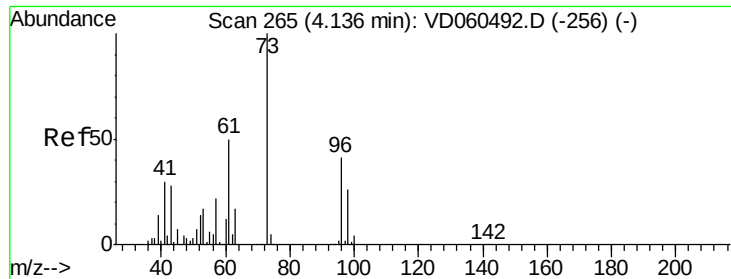
Tot Ion: 76 Resp: 565454
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6



#18
Methyl Acetate
Concen: 20.704 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion: 43 Resp: 91429
Ion Ratio Lower Upper
43 100
74 15.5 12.0 18.0



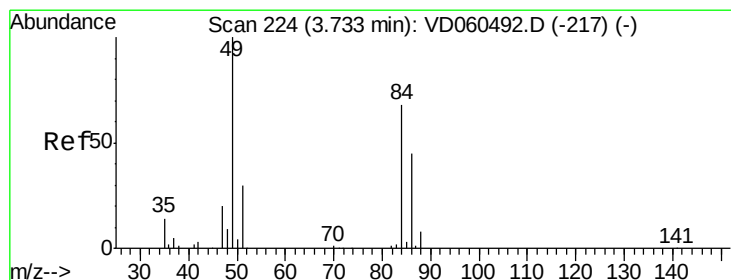
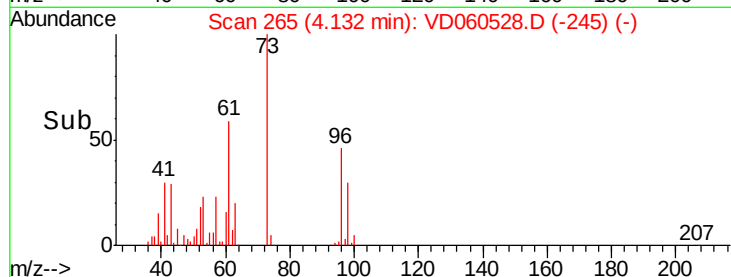
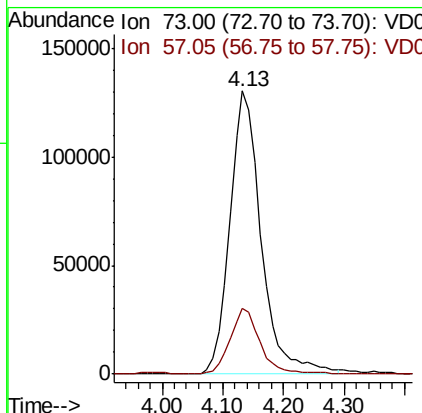
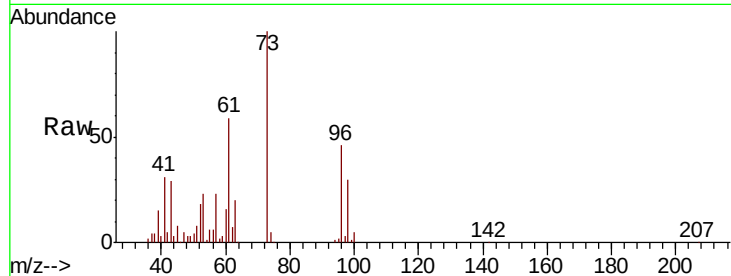


#19

Methyl tert-butyl Ether
 Concen: 20.617 ug/l
 RT: 4.13 min Scan# 265
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

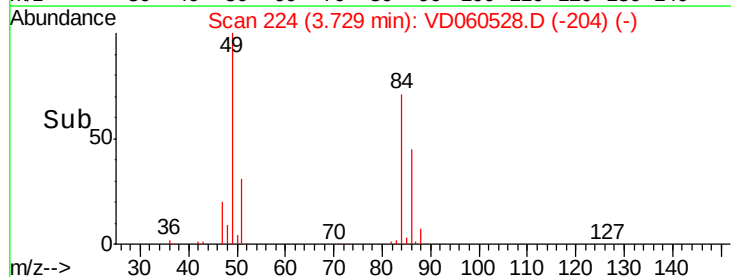
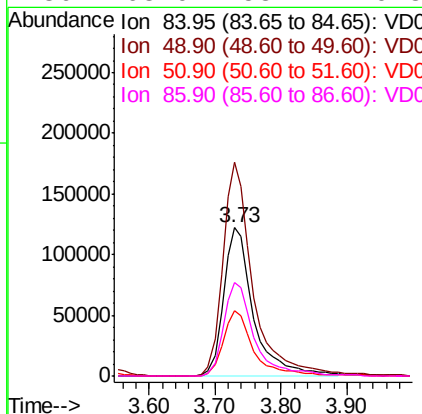
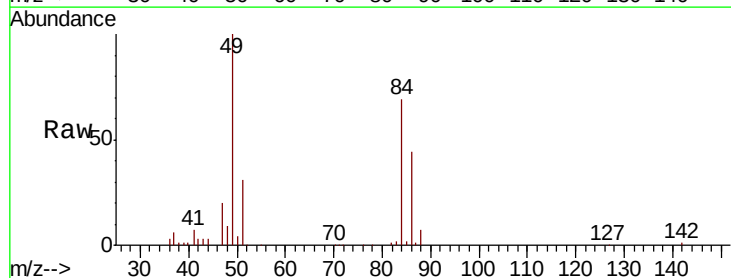
Tot Ion: 73 Resp: 467370
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.8 26.6

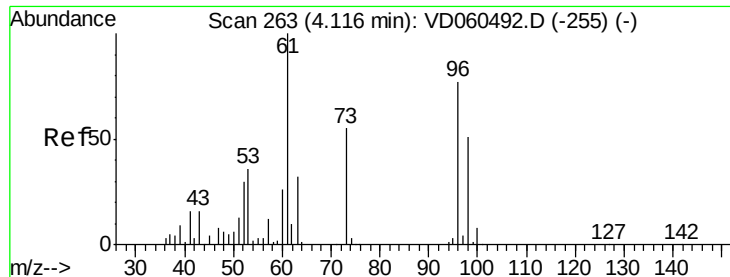


#20

Methylene Chloride
 Concen: 20.025 ug/l
 RT: 3.73 min Scan# 224
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Tgt Ion: 84 Resp: 387389
 Ion Ratio Lower Upper
 84 100
 49 144.2 117.2 175.8
 51 44.5 35.3 52.9
 86 63.0 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.014 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

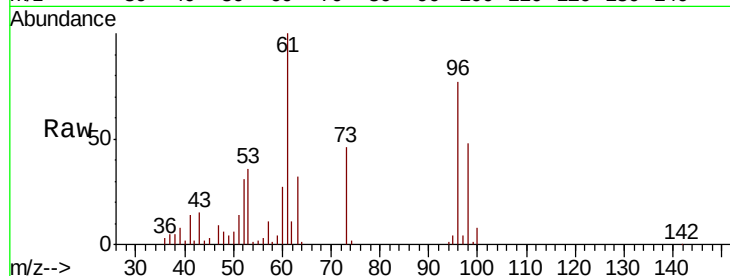
Tot Ion: 96 Resp: 373666

Ion Ratio Lower Upper

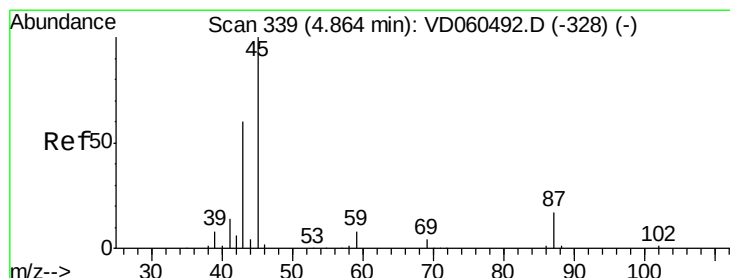
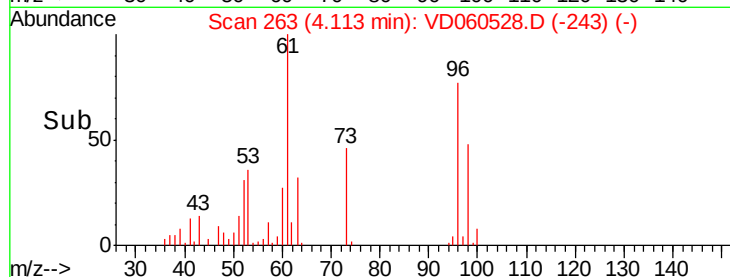
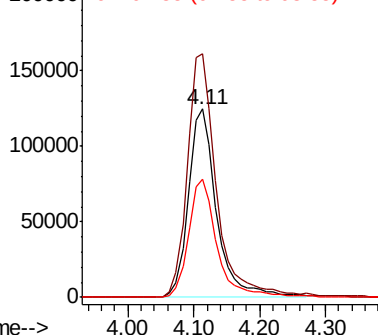
96 100

61 129.3 104.2 156.4

98 62.4 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: 21.033 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Tgt Ion: 45 Resp: 1171204

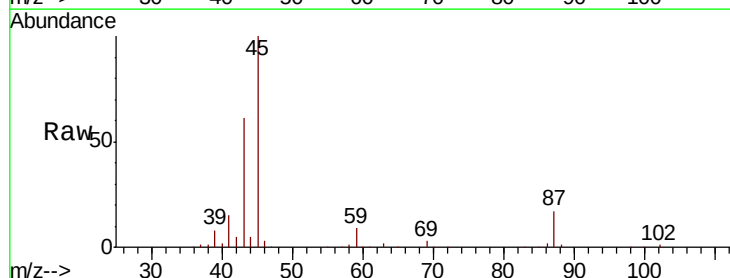
Ion Ratio Lower Upper

45 100

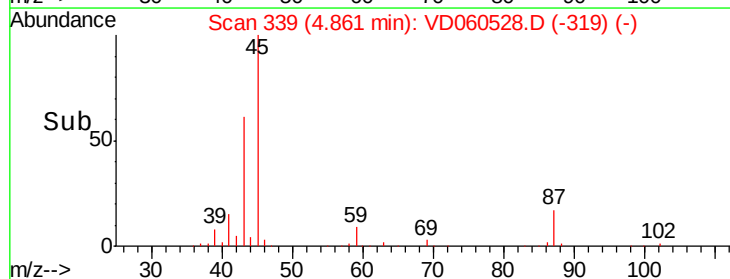
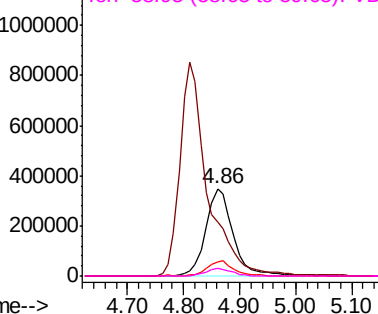
43 61.4 48.6 73.0

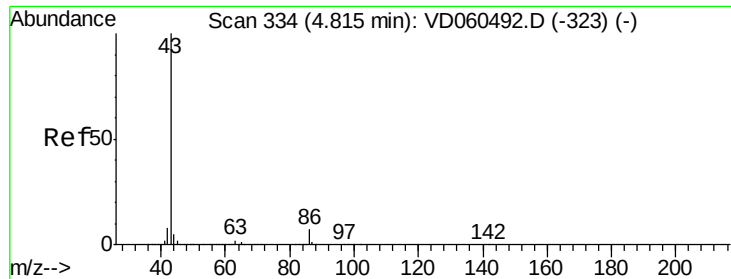
87 16.5 14.0 21.0

59 8.8 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

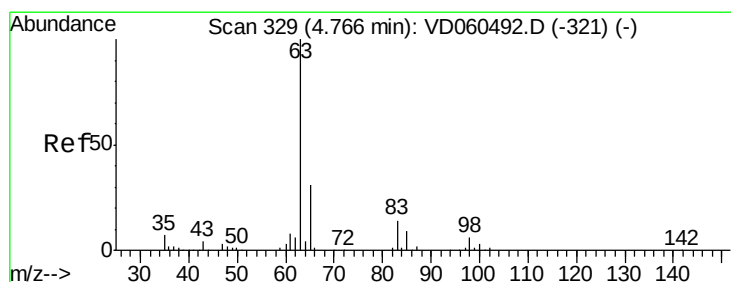
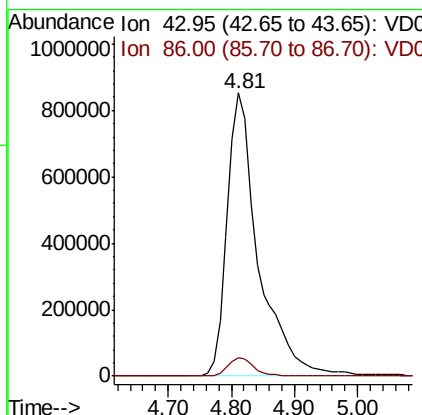
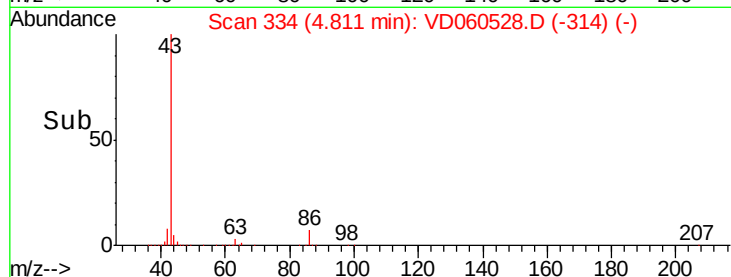
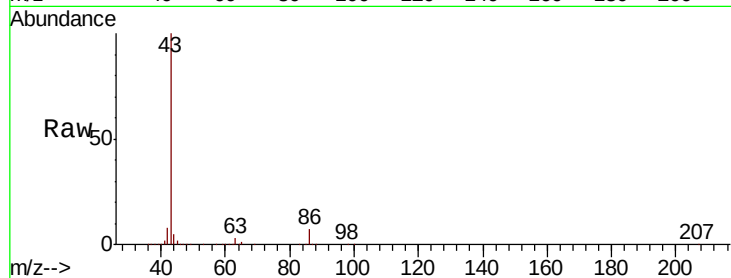




#23
 Vinyl Acetate
 Concen: 105.732 ug/l
 RT: 4.81 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

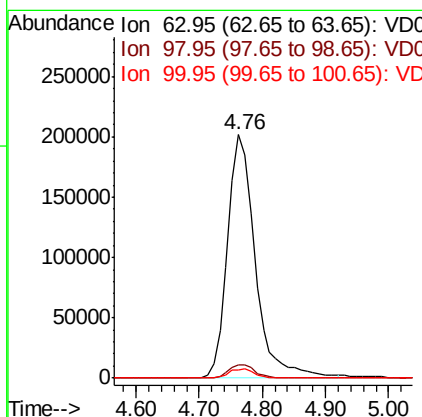
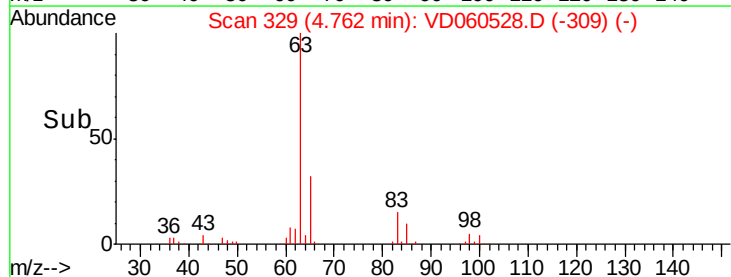
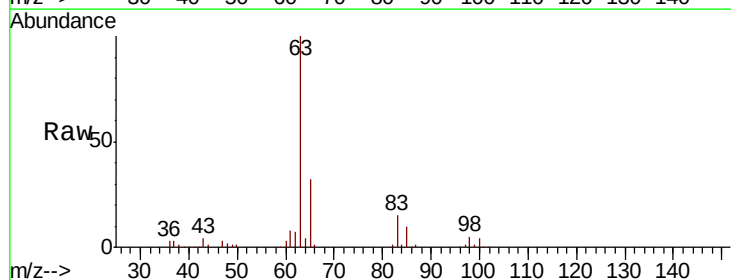
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

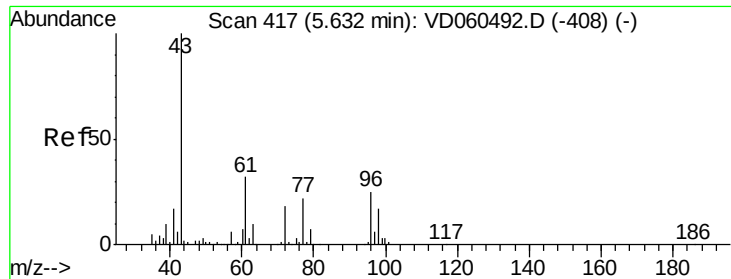
Tot Ion: 43 Resp: 2917072
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.5 8.3



#24
 1,1-Dichloroethane
 Concen: 21.239 ug/l
 RT: 4.76 min Scan# 329
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Tgt Ion: 63 Resp: 614404
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.8 8.3
 100 3.6 1.7 5.1





#25

2-Butanone

Concen: 98.161 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

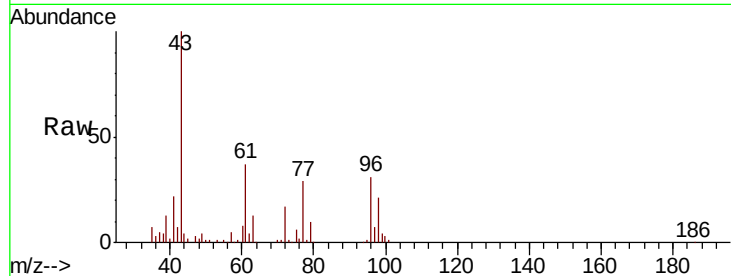
VD1211SBS01

Tot Ion: 43 Resp: 358838

Ion Ratio Lower Upper

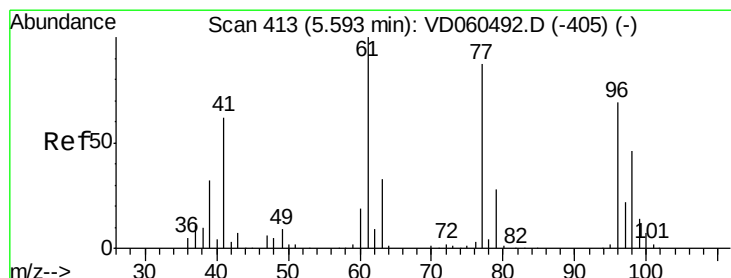
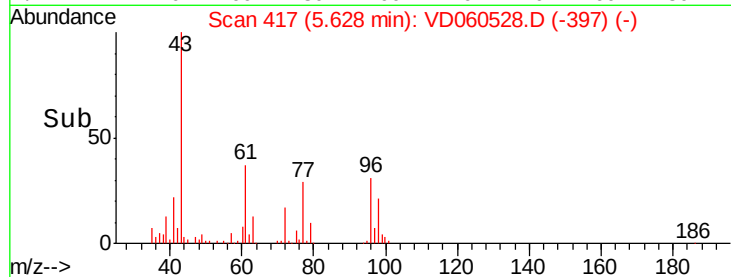
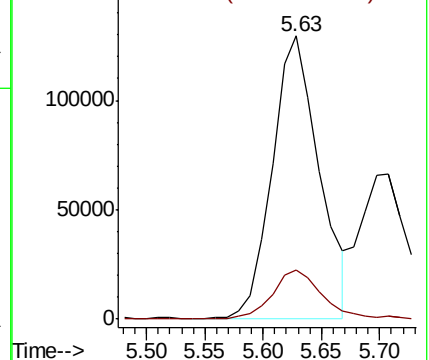
43 100

72 17.1 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: 22.283 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060528.D

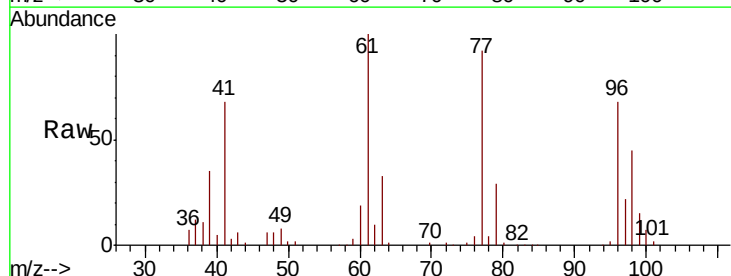
Acq: 11 Dec 2018 11:45

Tgt Ion: 77 Resp: 497964

Ion Ratio Lower Upper

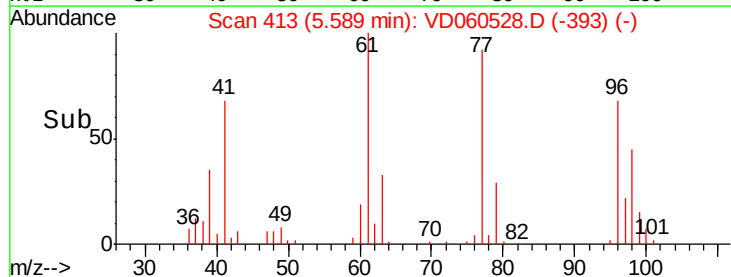
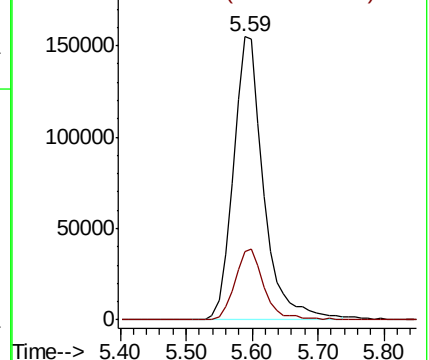
77 100

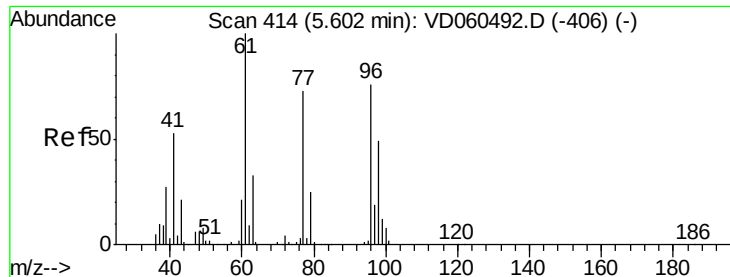
97 24.3 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



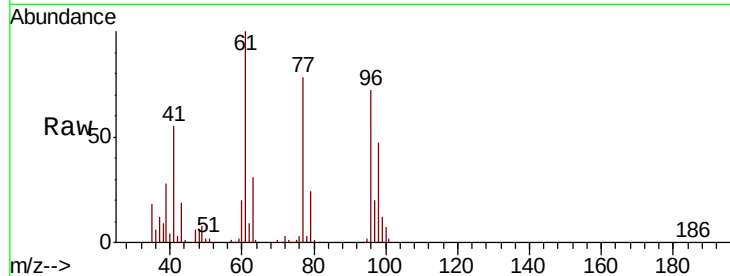


#27

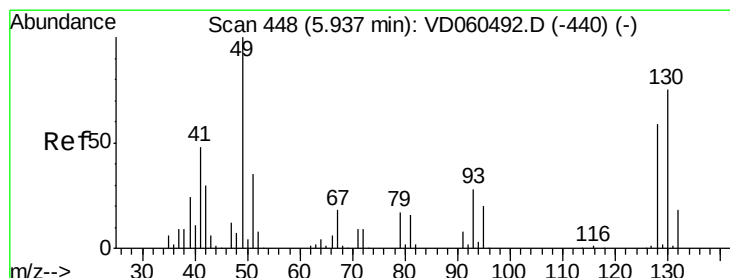
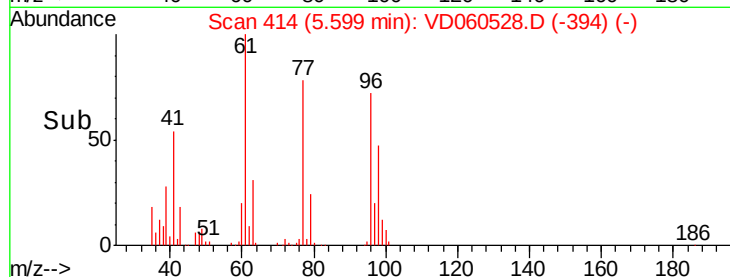
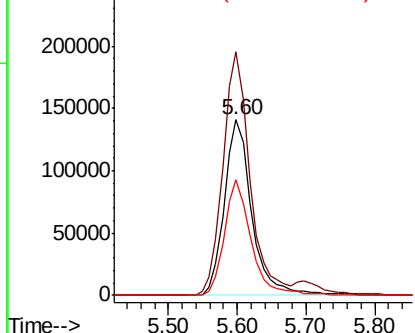
cis-1,2-Dichloroethene
 Concen: 21.435 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion: 96 Resp: 387530
 Ion Ratio Lower Upper
 96 100
 61 138.6 0.0 263.6
 98 65.5 0.0 128.2



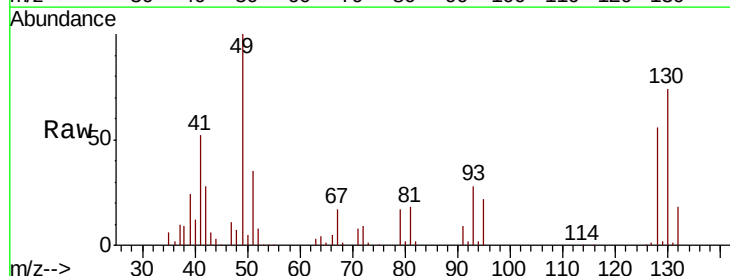
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



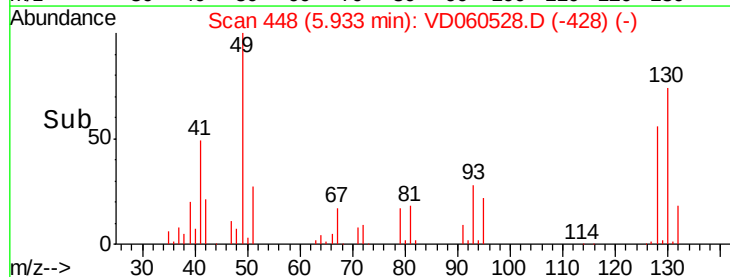
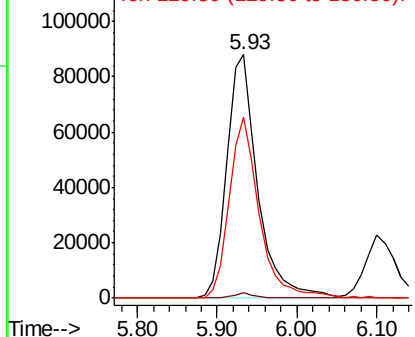
#28

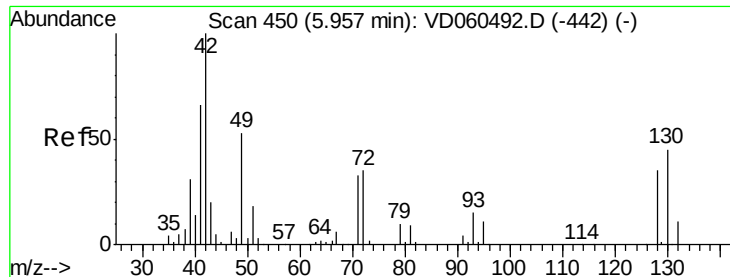
Bromochloromethane
 Concen: 18.683 ug/l
 RT: 5.93 min Scan# 448
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Tgt Ion: 49 Resp: 239427
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 3.4
 130 74.0 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: 105.654 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

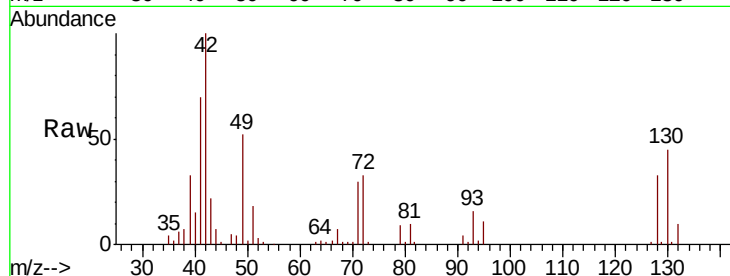
Tot Ion: 42 Resp: 218714

Ion Ratio Lower Upper

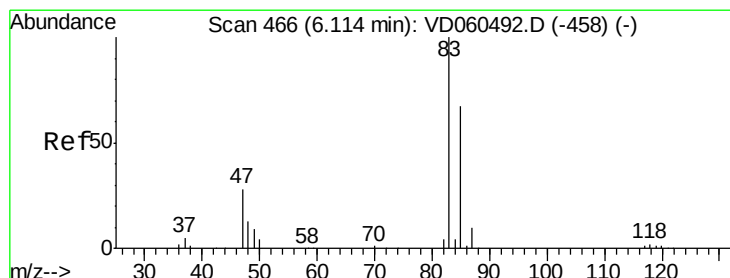
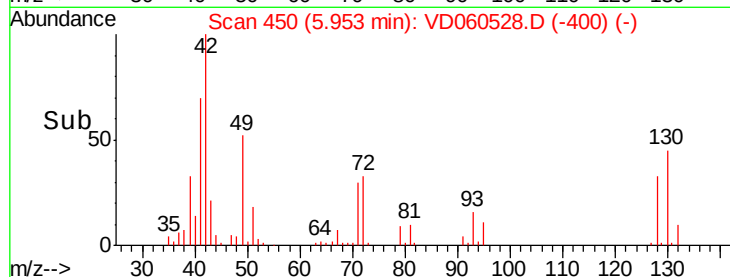
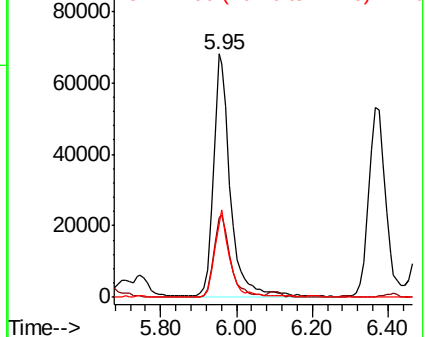
42 100

72 32.7 28.0 42.0

71 31.5 27.2 40.8



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



#30

Chloroform

Concen: 21.181 ug/l

RT: 6.10 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD060528.D

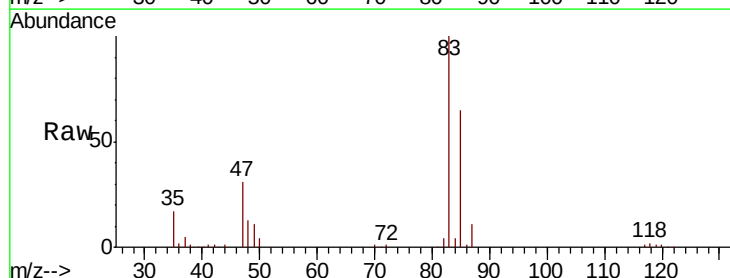
Acq: 11 Dec 2018 11:45

Tgt Ion: 83 Resp: 617314

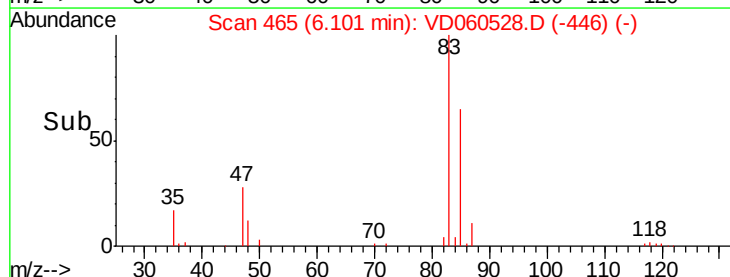
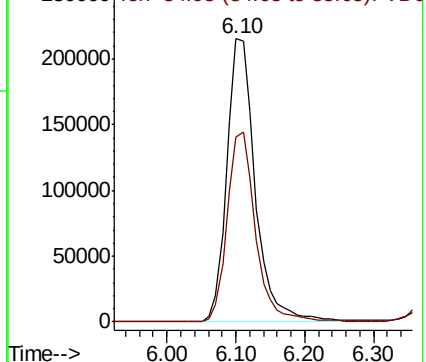
Ion Ratio Lower Upper

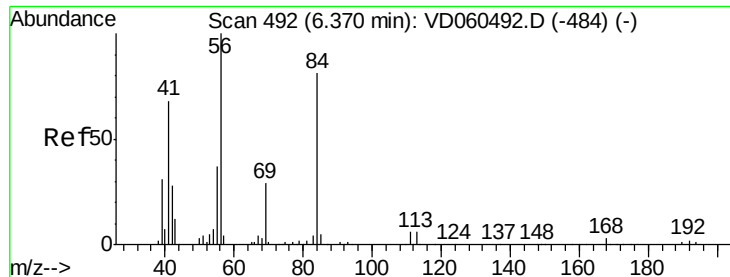
83 100

85 65.3 53.4 80.2



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

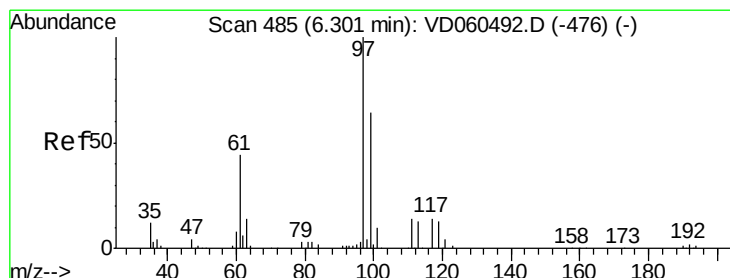
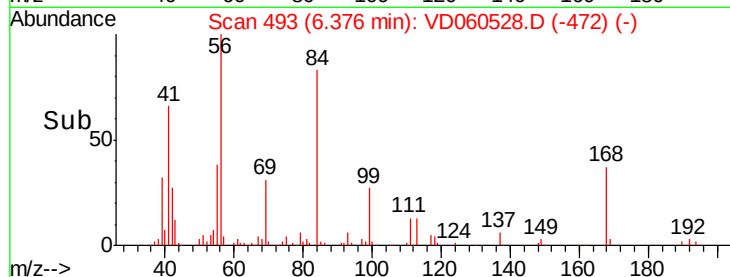
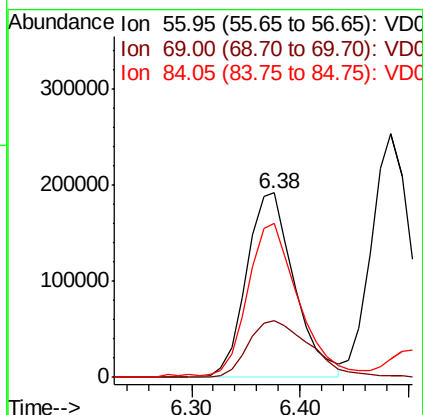
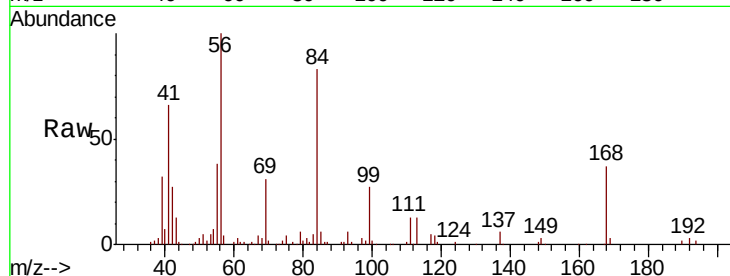




#31
Cyclohexane
Concen: 21.784 ug/l
RT: 6.38 min Scan# 493
Delta R.T. 0.01 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

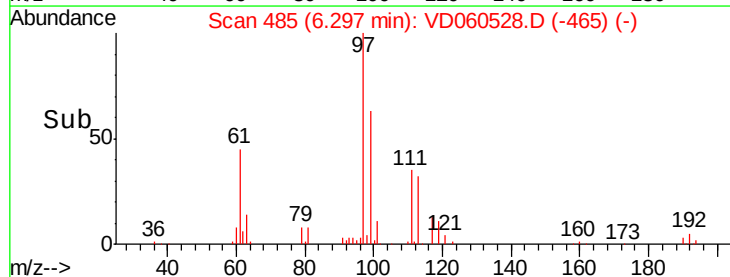
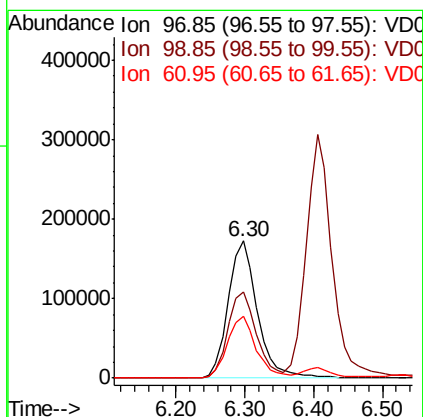
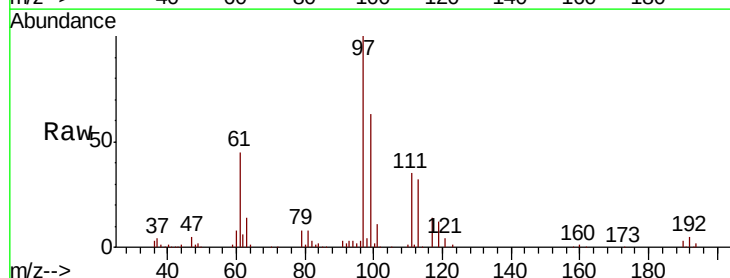
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

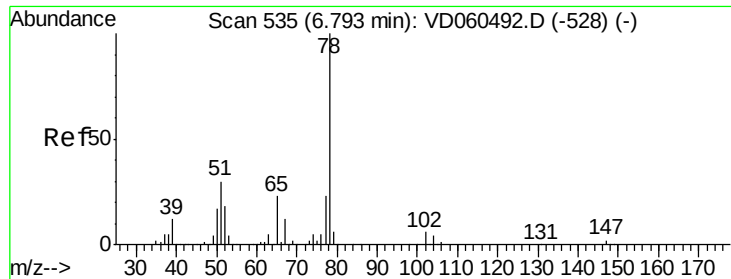
Tot Ion: 56 Resp: 592349
Ion Ratio Lower Upper
56 100
69 30.8 22.8 34.2
84 83.4 65.1 97.7



#32
1,1,1-Trichloroethane
Concen: 21.171 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion: 97 Resp: 507243
Ion Ratio Lower Upper
97 100
99 62.8 51.0 76.4
61 44.7 35.3 52.9

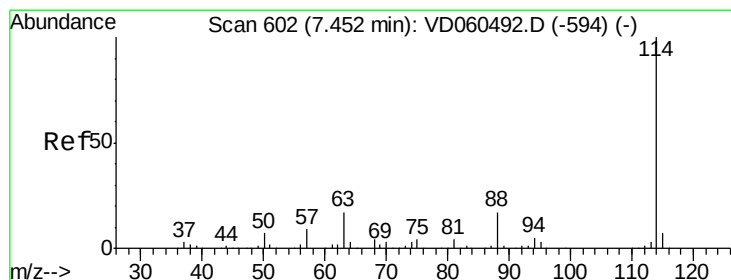
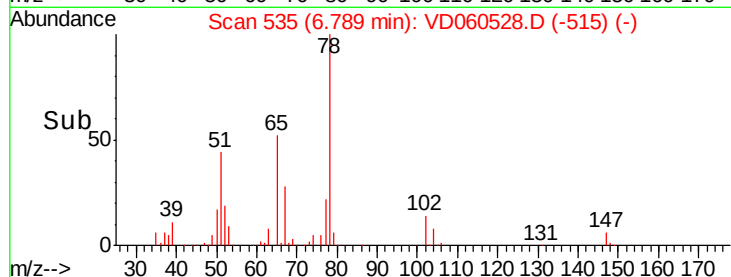
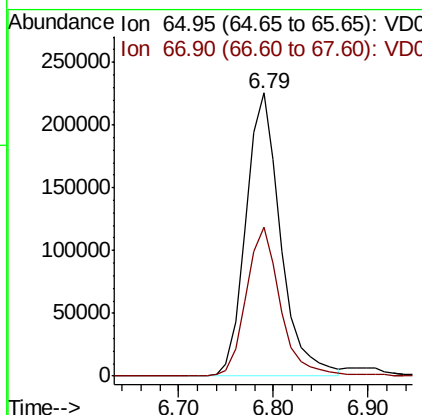
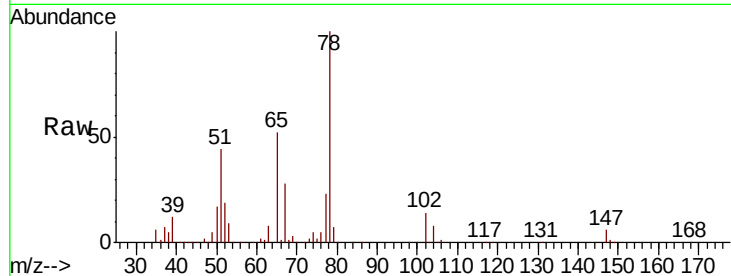




#33
 1,2-Dichloroethane-d4
 Concen: 21.171 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

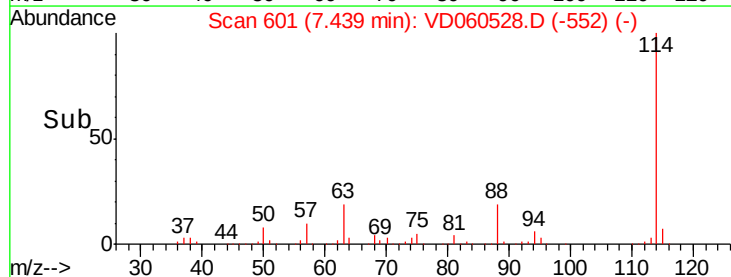
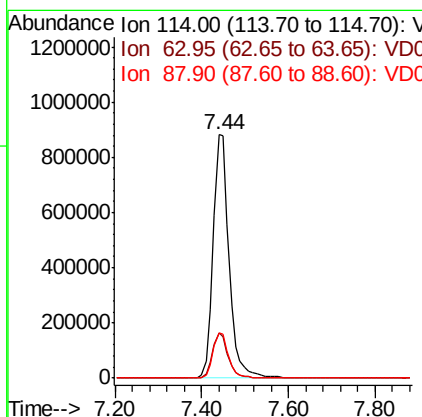
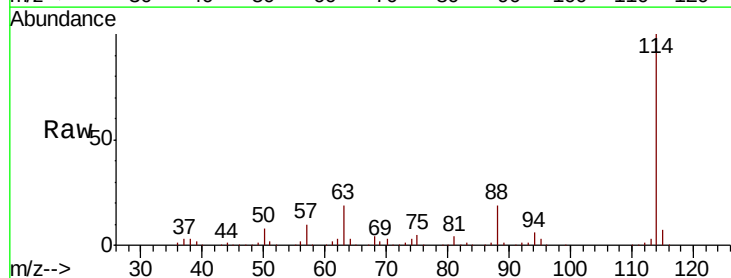
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

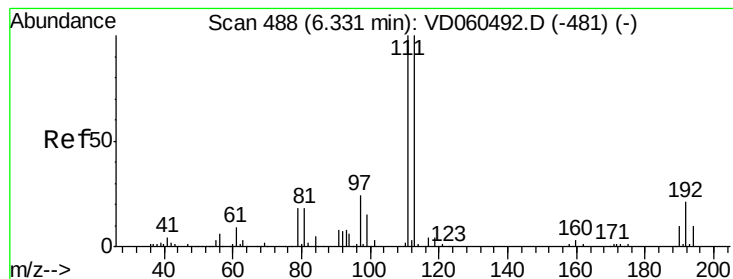
Tot Ion: 65 Resp: 573969
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Tgt Ion: 114 Resp: 2253318
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 34.2
 88 18.8 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

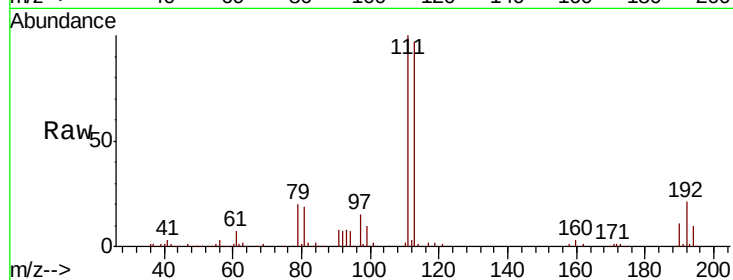
Tot Ion:113 Resp: 815753

Ion Ratio Lower Upper

113 100

111 103.5 80.2 120.4

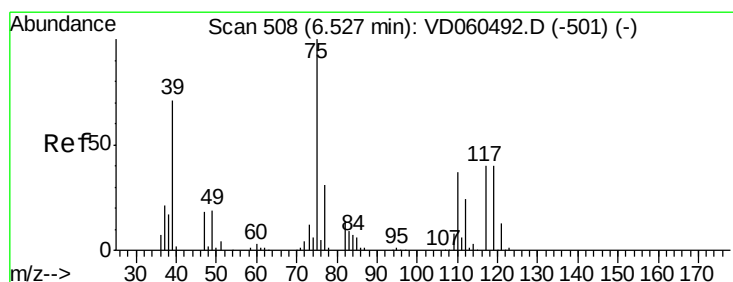
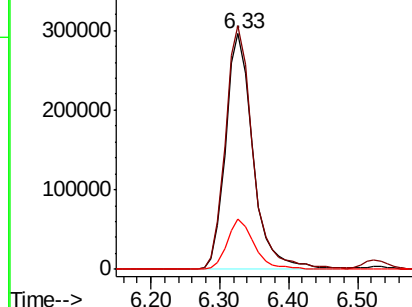
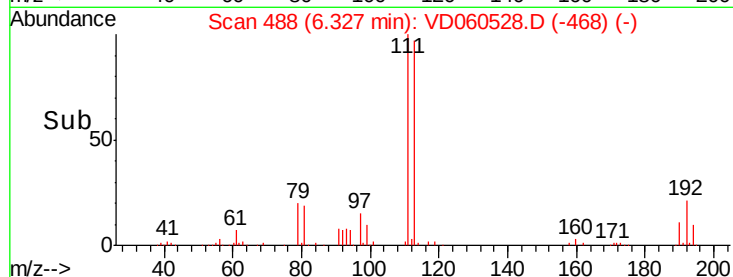
192 21.5 16.6 24.8



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: 21.805 ug/l

RT: 6.52 min Scan# 508

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

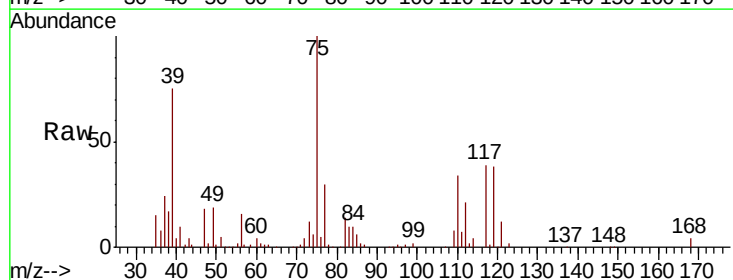
Tgt Ion: 75 Resp: 480260

Ion Ratio Lower Upper

75 100

110 34.5 18.3 54.8

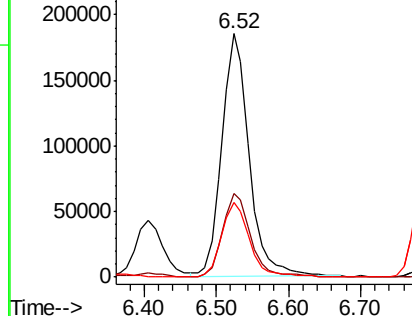
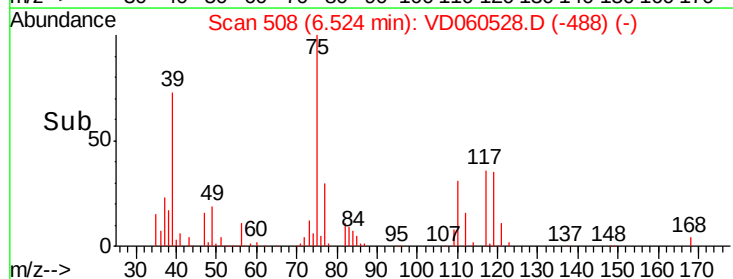
77 30.4 24.6 37.0

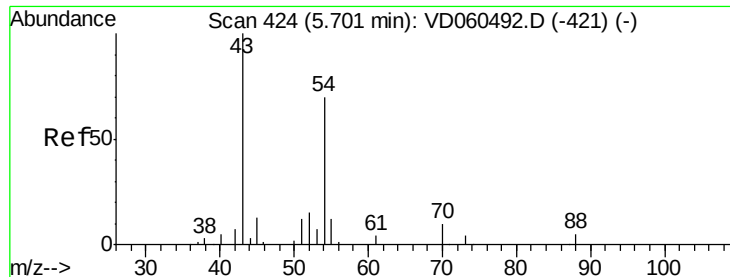


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

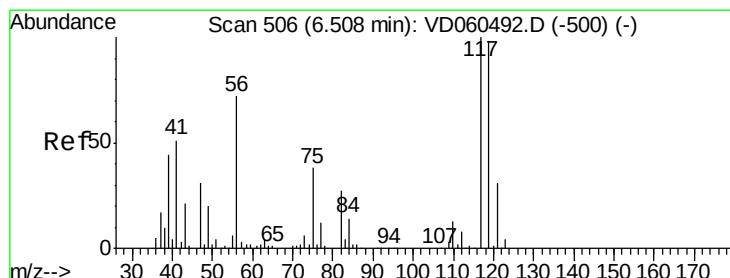
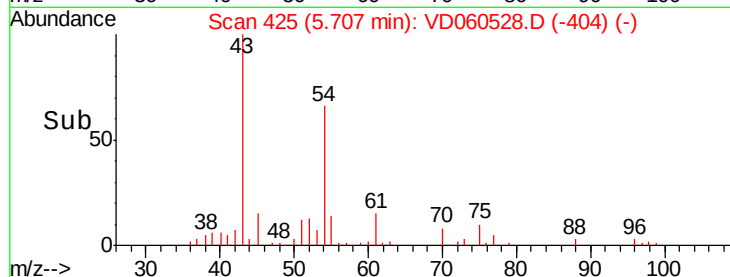
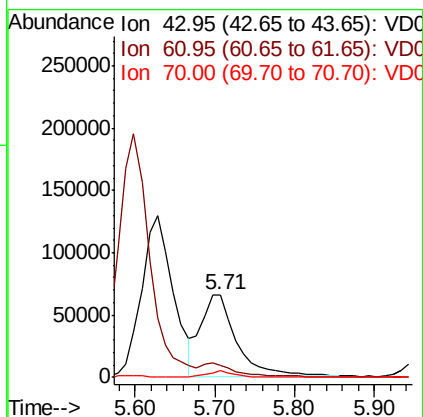
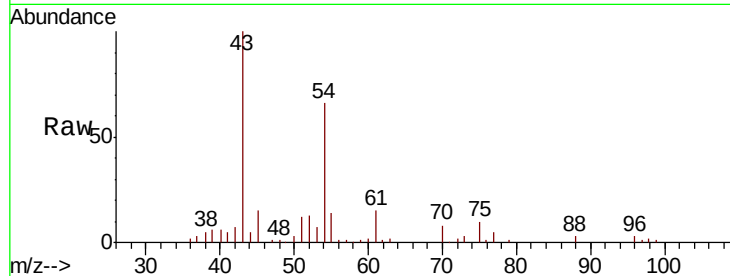




#37
Ethyl Acetate
Concen: 21.139 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.01 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

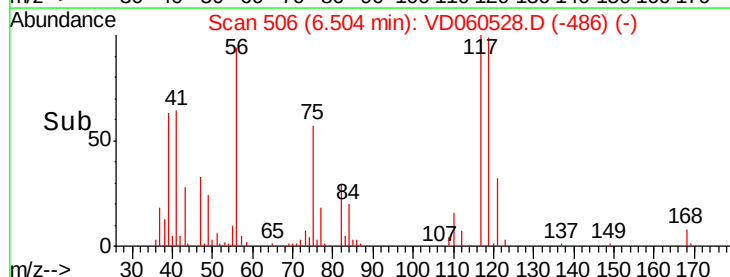
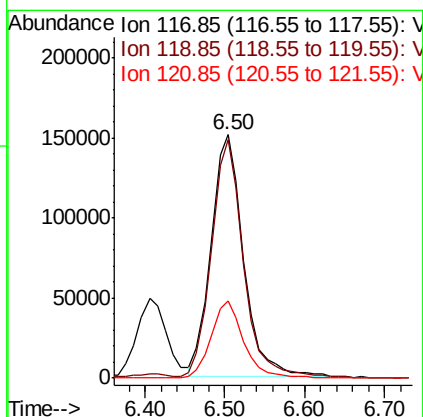
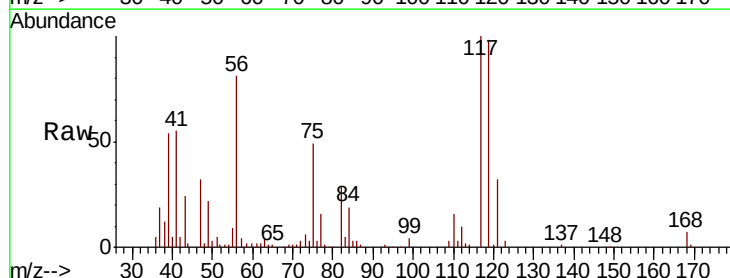
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

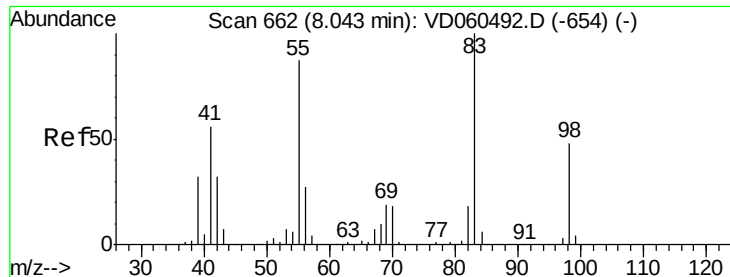
Tot Ion: 43 Resp: 201923
Ion Ratio Lower Upper
43 100
61 15.0 12.4 18.6
70 7.8 5.4 8.0



#38
Carbon Tetrachloride
Concen: 21.762 ug/l
RT: 6.50 min Scan# 506
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion: 117 Resp: 430309
Ion Ratio Lower Upper
117 100
119 98.1 76.8 115.2
121 31.5 24.4 36.6

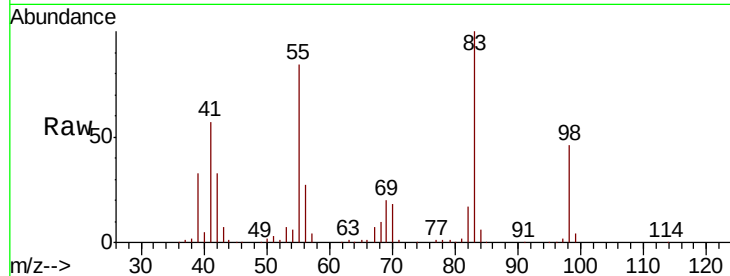




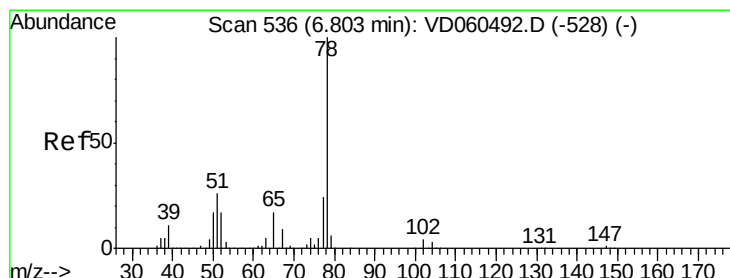
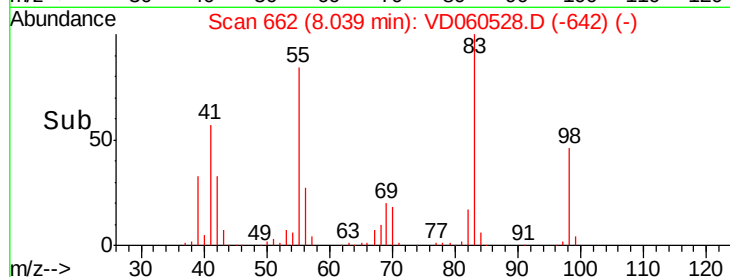
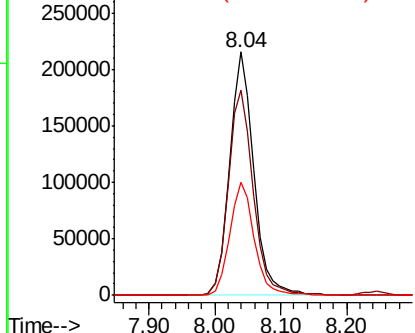
#39
Methylvlcyclohexane
Concen: 22.089 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion: 83 Resp: 554631
Ion Ratio Lower Upper
83 100
55 84.2 69.8 104.8
98 46.5 38.4 57.6

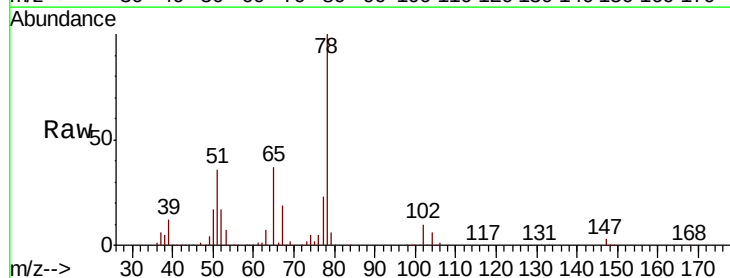


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

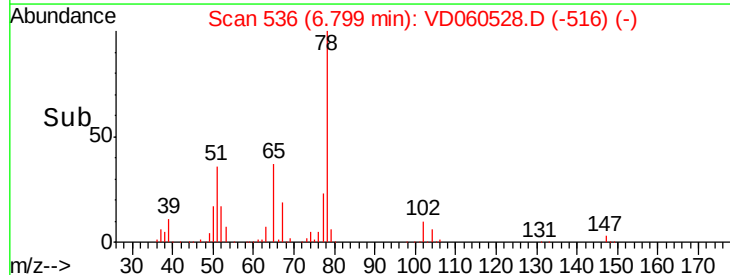
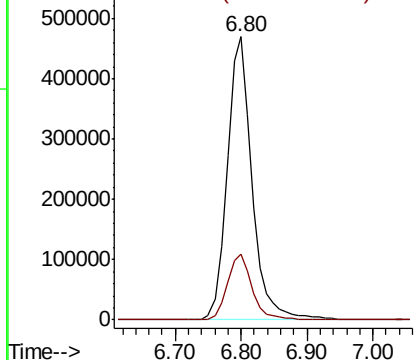


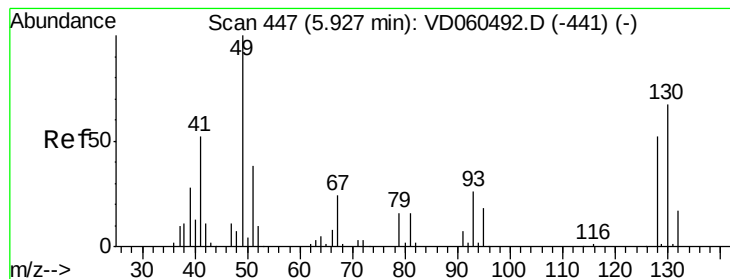
#40
Benzene
Concen: 21.921 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion: 78 Resp: 1233969
Ion Ratio Lower Upper
78 100
77 23.2 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: 44.392 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 41 Resp: 228588

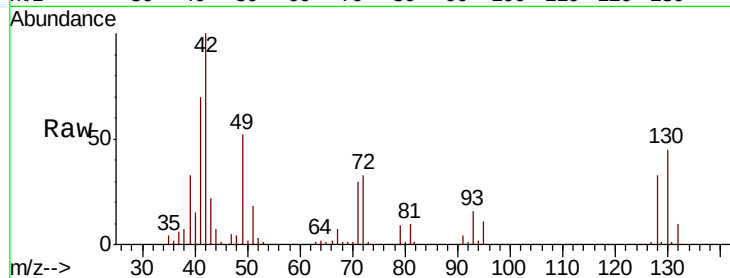
Ion Ratio Lower Upper

41 100

39 46.8 42.6 63.8

67 9.3 36.2 54.4#

52 4.0 15.6 23.4#

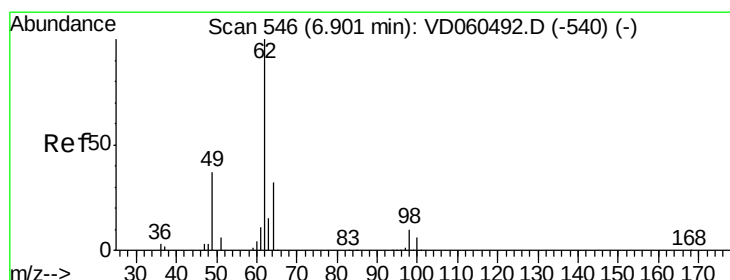
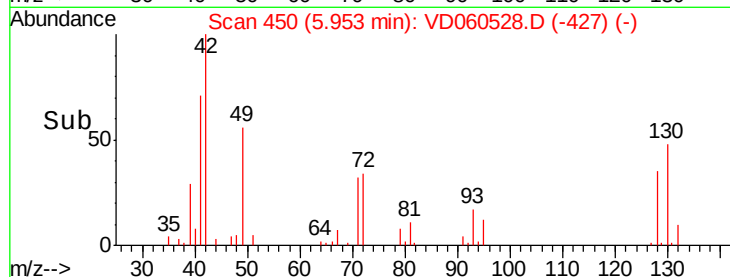
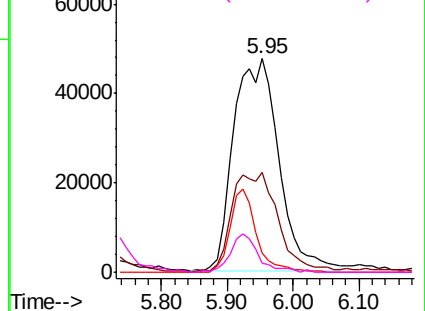


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.609 ug/l

RT: 6.90 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD060528.D

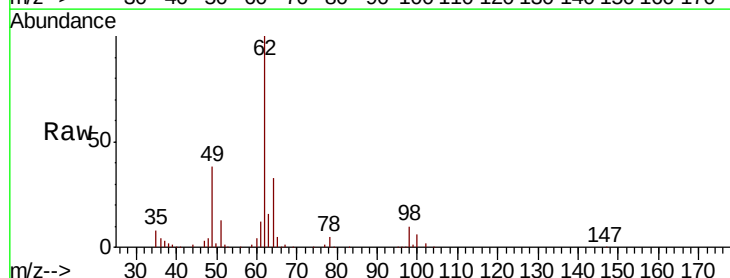
Acq: 11 Dec 2018 11:45

Tgt Ion: 62 Resp: 309277

Ion Ratio Lower Upper

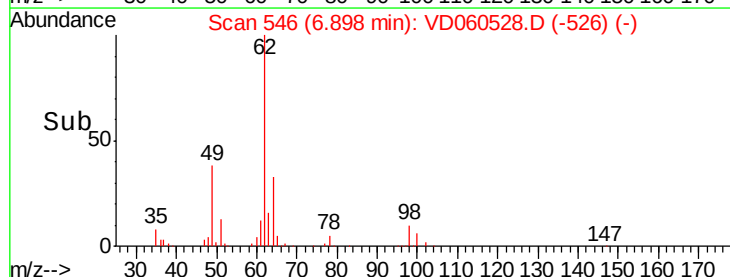
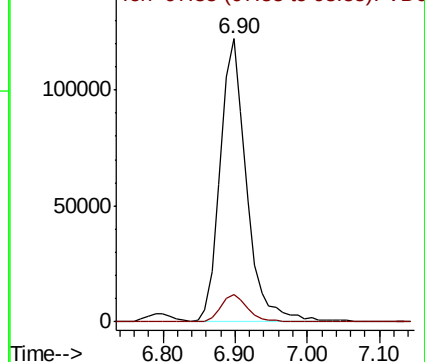
62 100

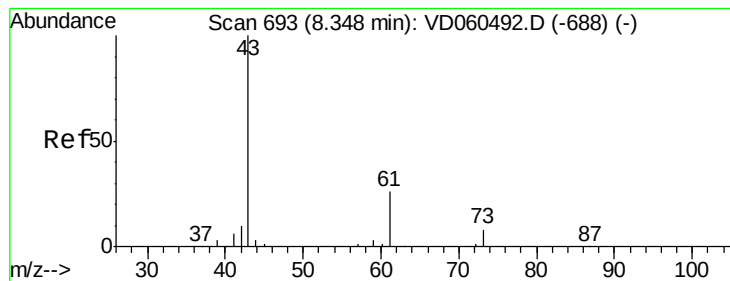
98 9.7 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.516 ug/l

RT: 8.34 min Scan# 693

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

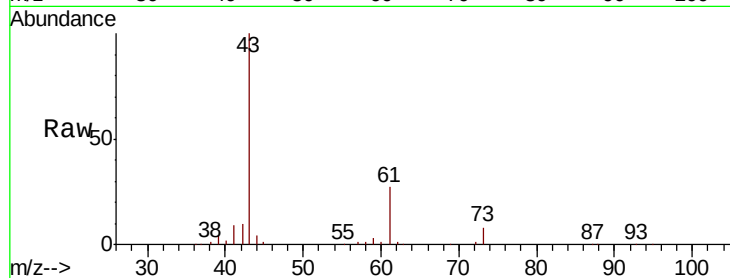
Tot Ion: 43 Resp: 241915

Ion Ratio Lower Upper

43 100

61 27.3 21.0 31.4

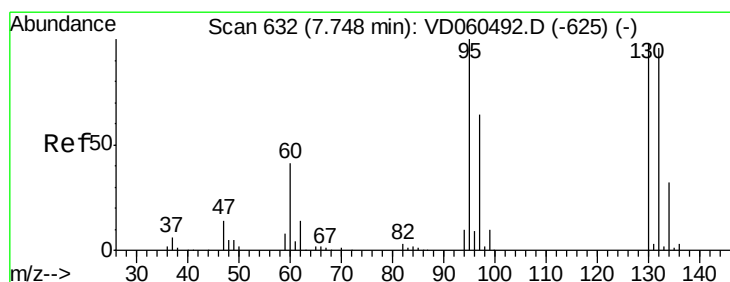
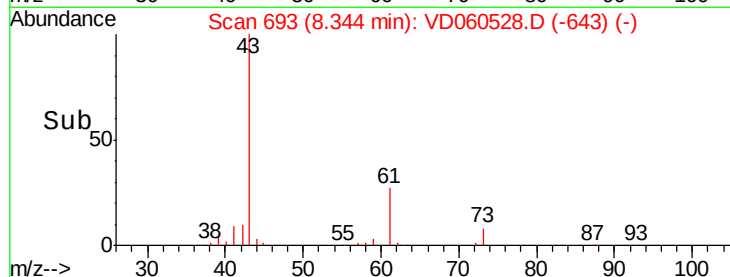
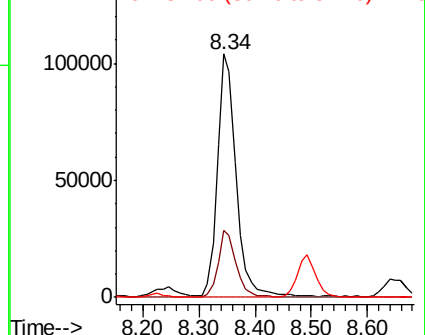
87 0.3 0.2 0.2#



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: 21.331 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.00 min

Lab File: VD060528.D

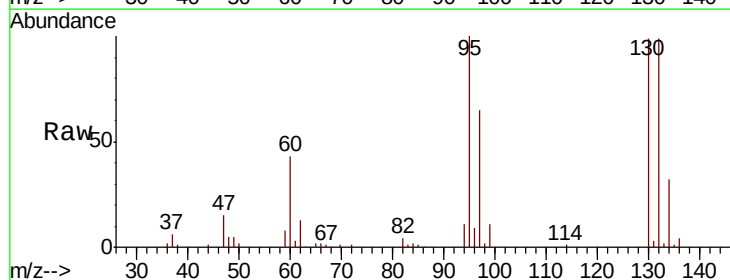
Acq: 11 Dec 2018 11:45

Tgt Ion:130 Resp: 358851

Ion Ratio Lower Upper

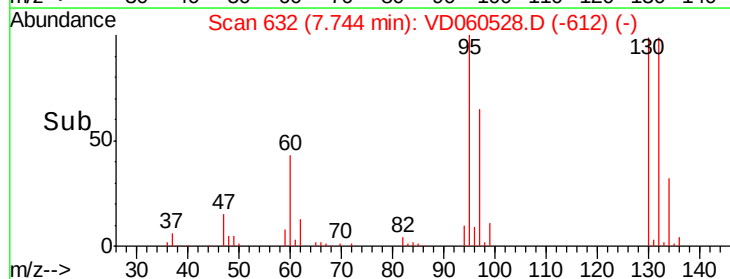
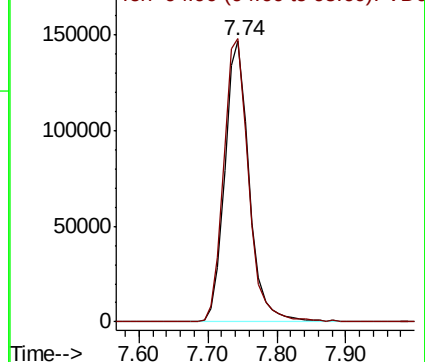
130 100

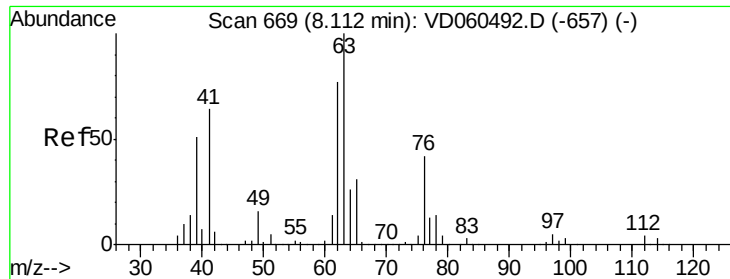
95 100.8 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

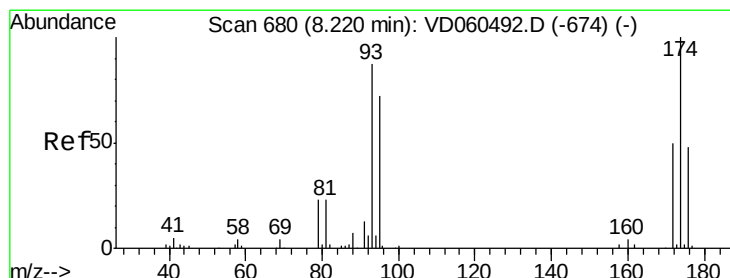
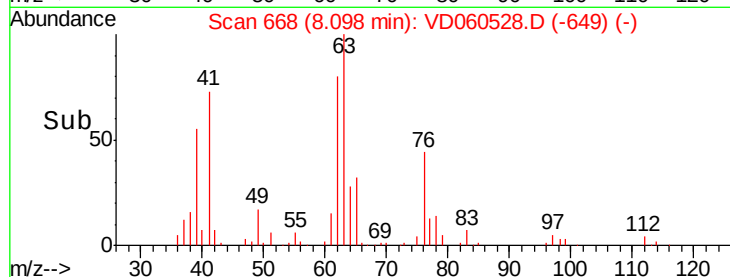
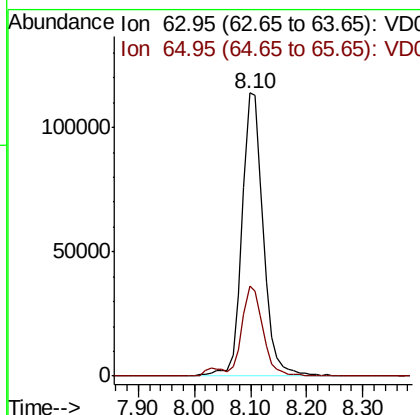
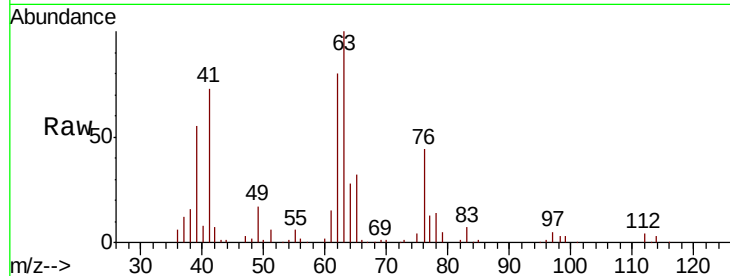




#45
 1,2-Dichloropropane
 Concen: 21.500 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

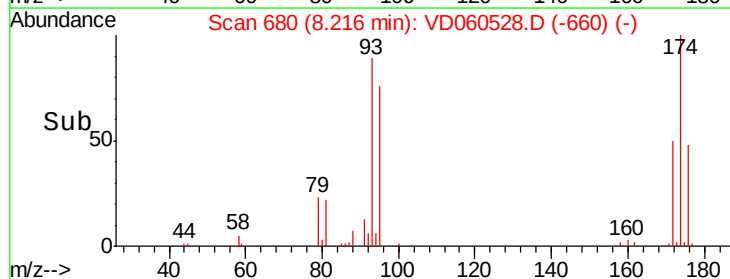
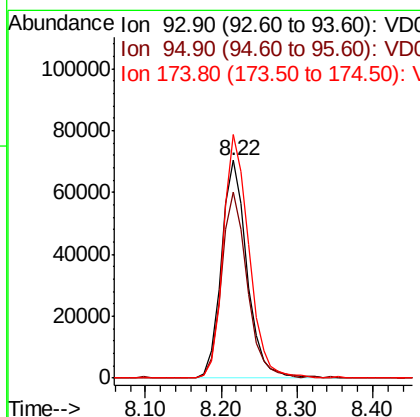
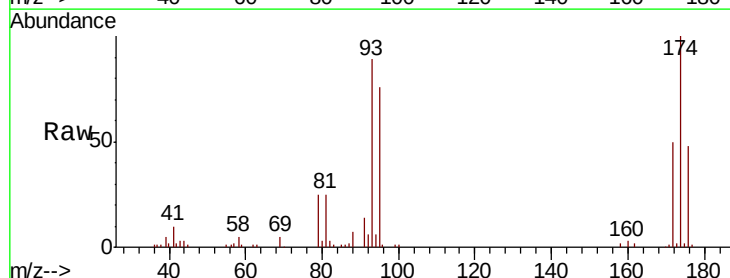
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

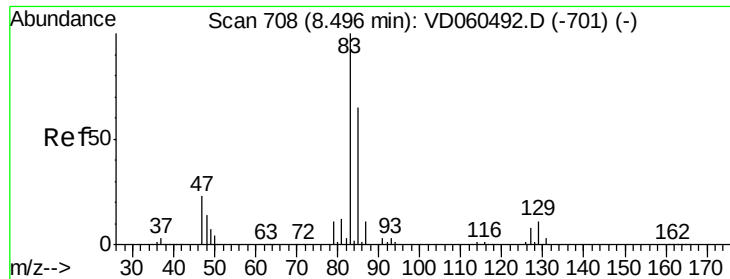
Tot Ion: 63 Resp: 299332
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.6 37.0



#46
 Dibromomethane
 Concen: 20.545 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Tgt Ion: 93 Resp: 165258
 Ion Ratio Lower Upper
 93 100
 95 85.3 65.6 98.4
 174 111.8 91.7 137.5





#47

Bromodichloromethane

Concen: 21.503 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

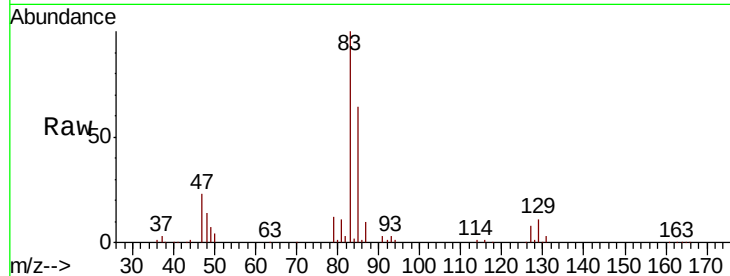
Tot Ion: 83 Resp: 410406

Ion Ratio Lower Upper

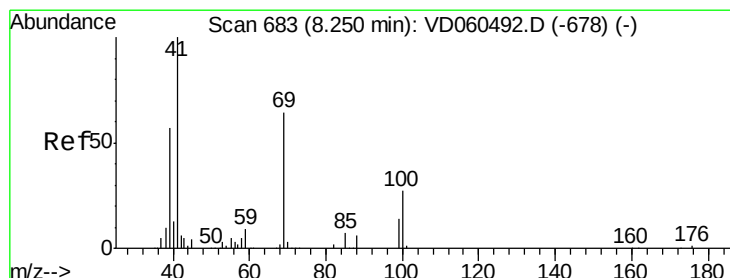
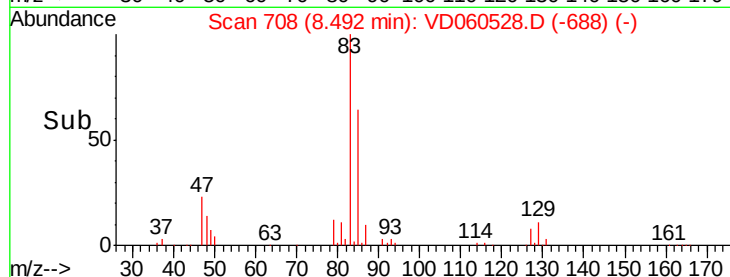
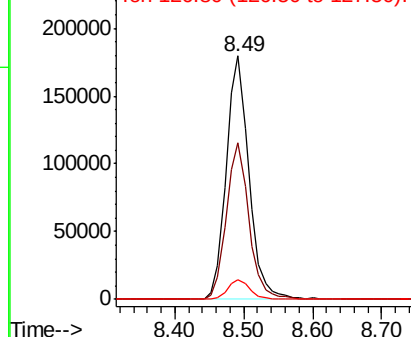
83 100

85 64.1 52.2 78.4

127 8.0 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: 21.199 ug/l

RT: 8.25 min Scan# 683

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

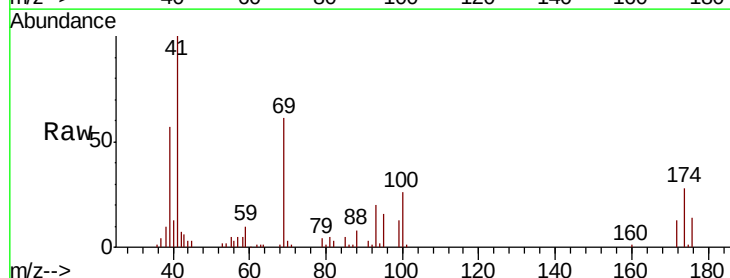
Tgt Ion: 41 Resp: 147907

Ion Ratio Lower Upper

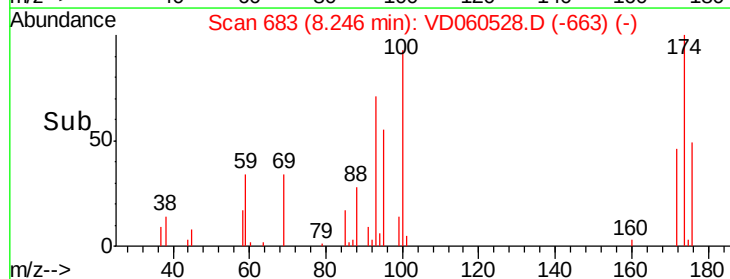
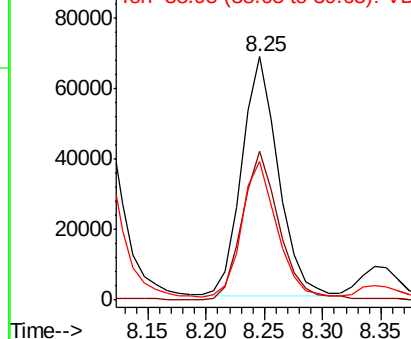
41 100

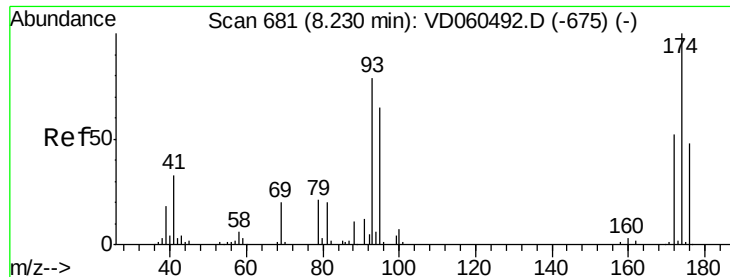
69 61.3 50.2 75.4

39 56.9 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

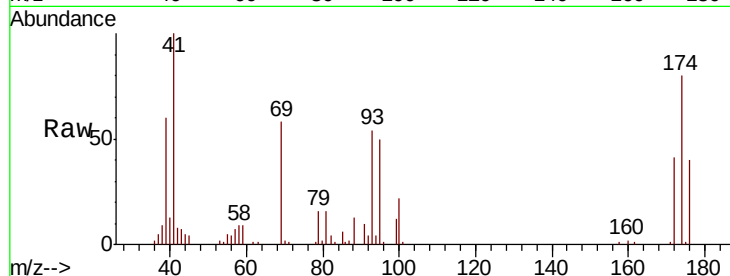




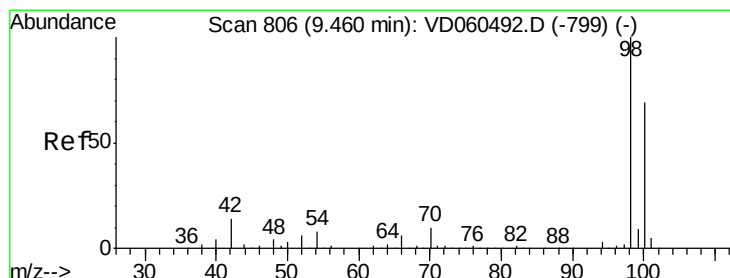
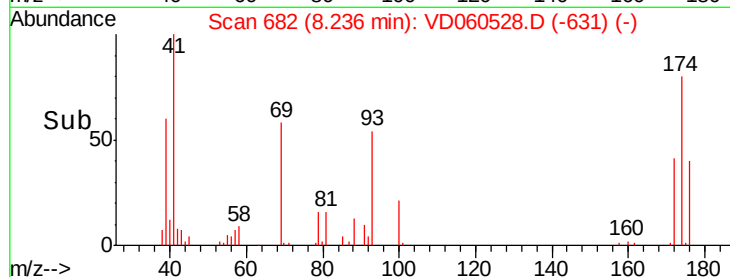
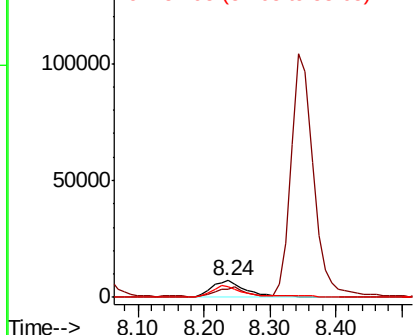
#49
1,4-Dioxane
Concen: 425.021 ug/l
RT: 8.24 min Scan# 682
Delta R.T. 0.01 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion: 88 Resp: 26876
Ion Ratio Lower Upper
88 100
43 49.1 32.9 49.3
58 65.3 47.7 71.5

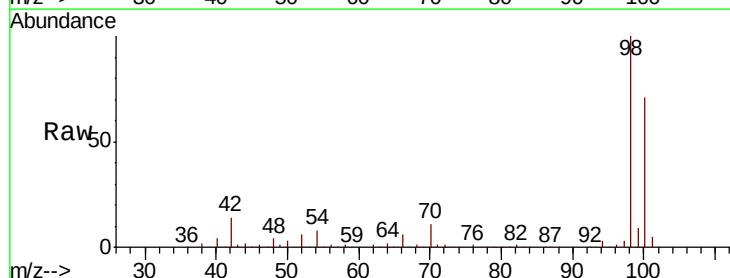


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

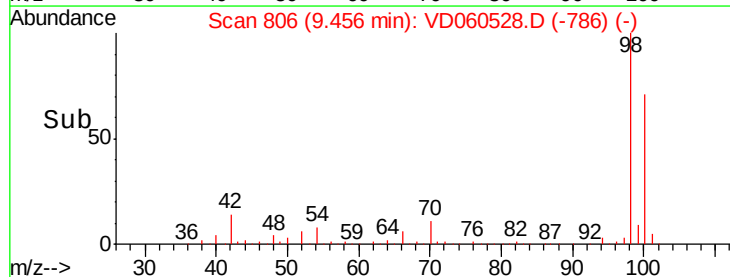
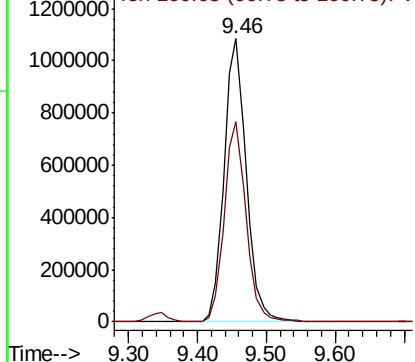


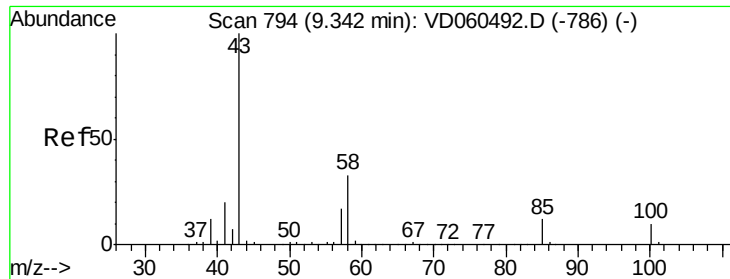
#50
Toluene-d8
Concen: 425.021 ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion: 98 Resp: 2420605
Ion Ratio Lower Upper
98 100
100 70.9 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: 104.264 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

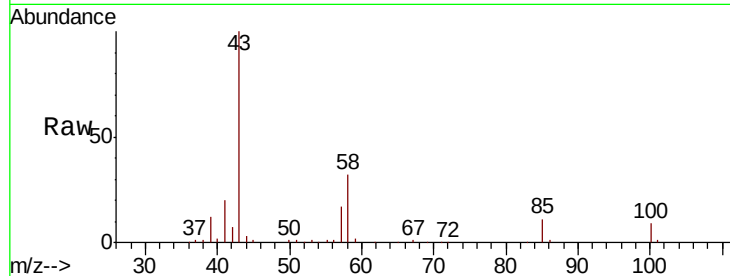
VD1211SBS01

Tot Ion: 43 Resp: 764758

Ion Ratio Lower Upper

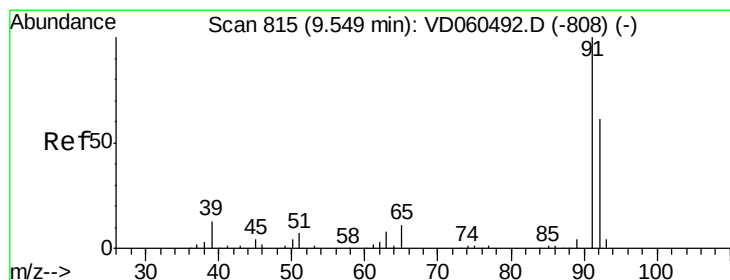
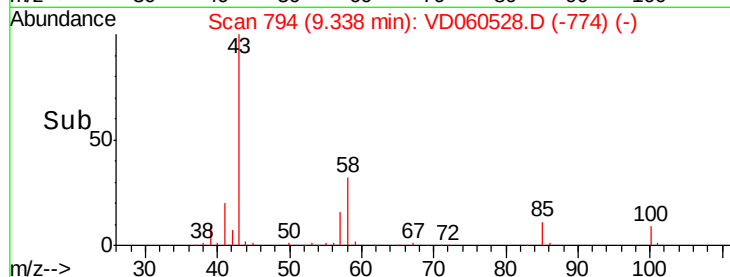
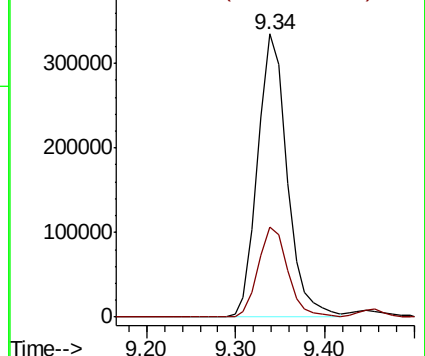
43 100

58 32.0 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: 21.310 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060528.D

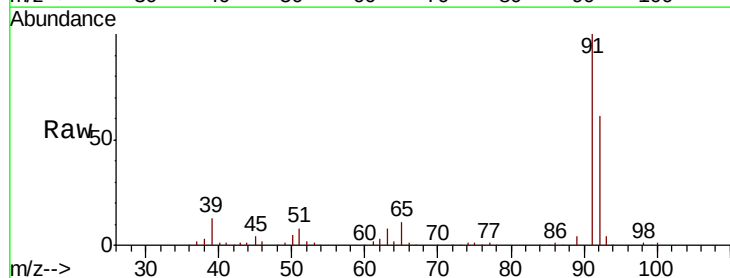
Acq: 11 Dec 2018 11:45

Tgt Ion: 92 Resp: 749772

Ion Ratio Lower Upper

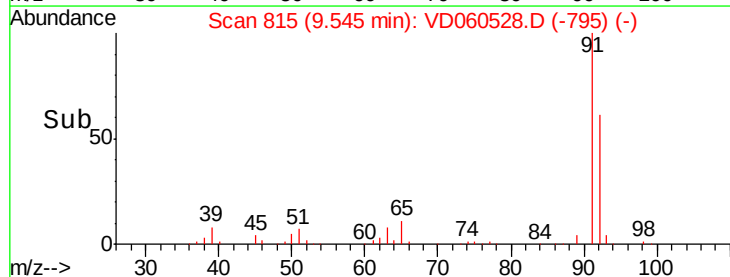
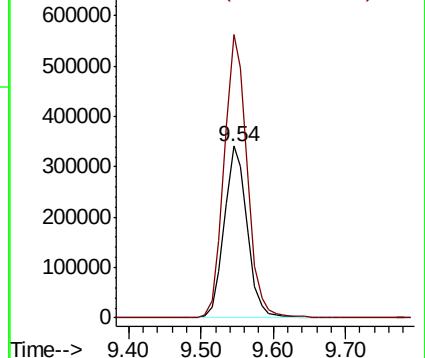
92 100

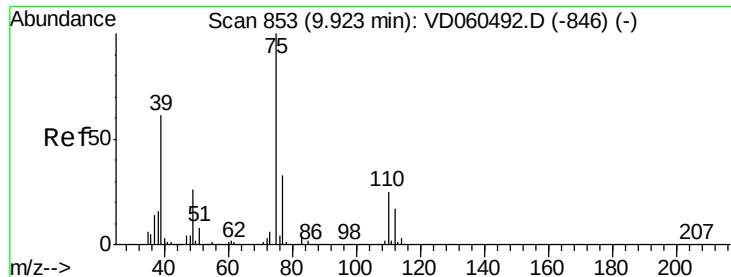
91 164.6 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

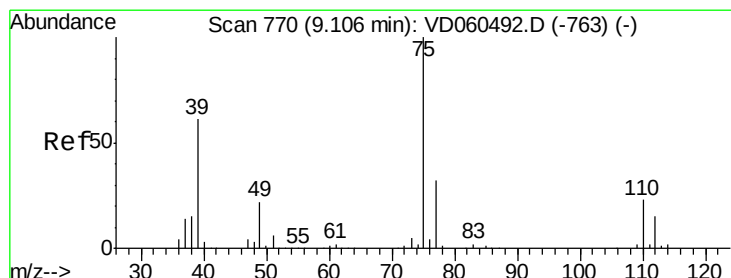
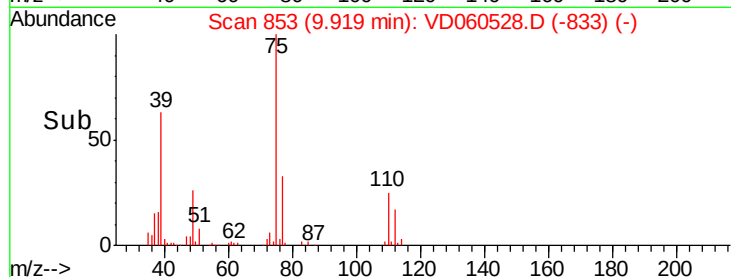
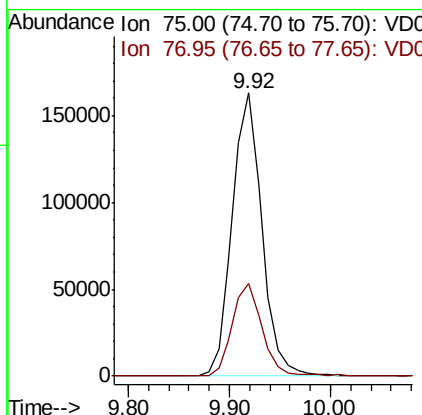
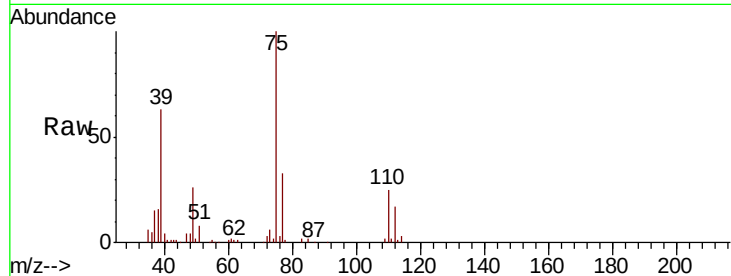




#53
 t-1,3-Dichloropropene
 Concen: 21.206 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

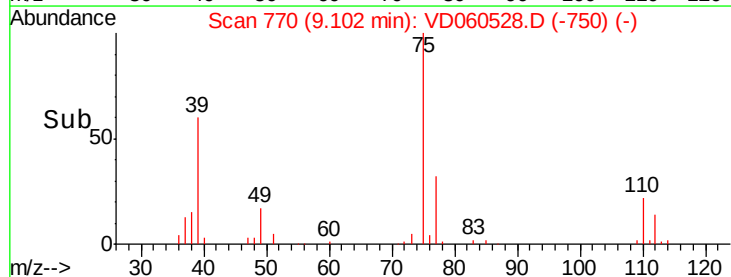
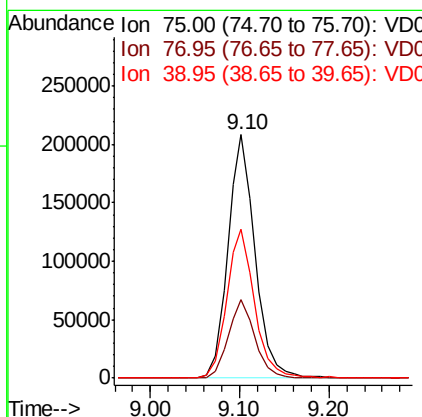
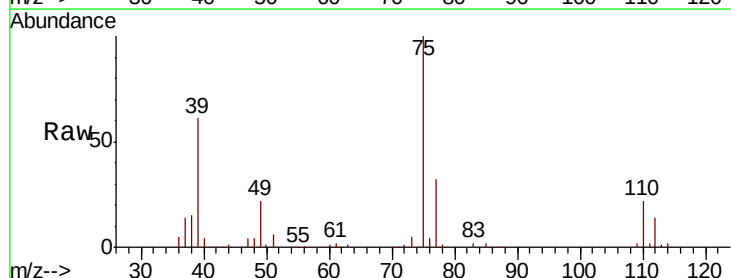
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

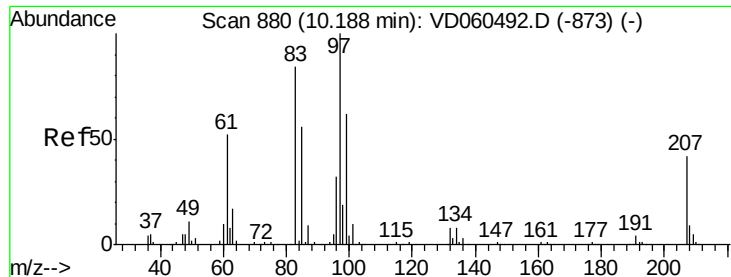
Tot Ion: 75 Resp: 332563
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.518 ug/l
 RT: 9.10 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Tgt Ion: 75 Resp: 443369
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.6 38.4
 39 61.3 48.6 73.0





#55

1,1,2-Trichloroethane

Concen: 20.854 ug/l

RT: 10.18 min Scan# 880

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 97 Resp: 204320

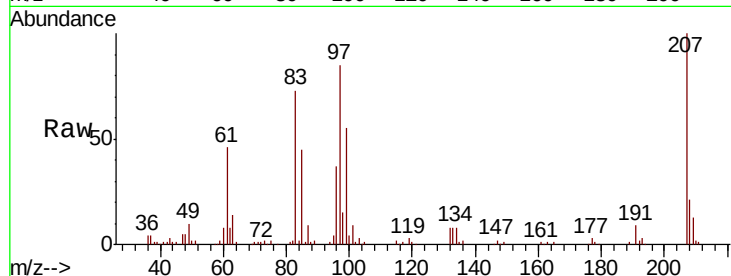
Ion Ratio Lower Upper

97 100

83 85.5 67.2 100.8

85 53.4 44.5 66.7

99 64.1 49.3 73.9

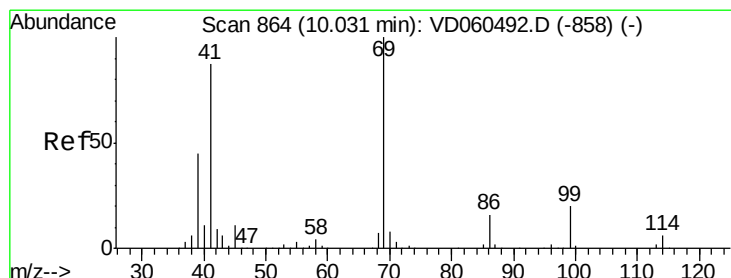
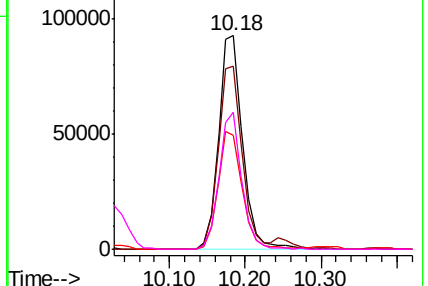
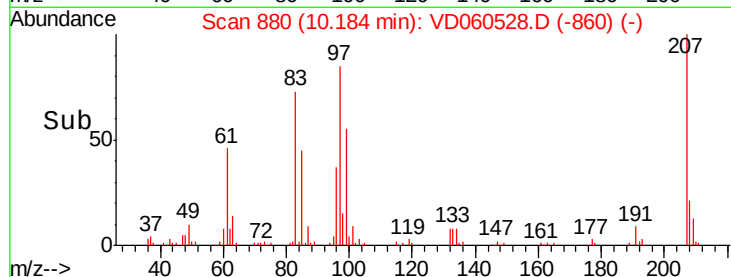


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.848 ug/l

RT: 10.03 min Scan# 864

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

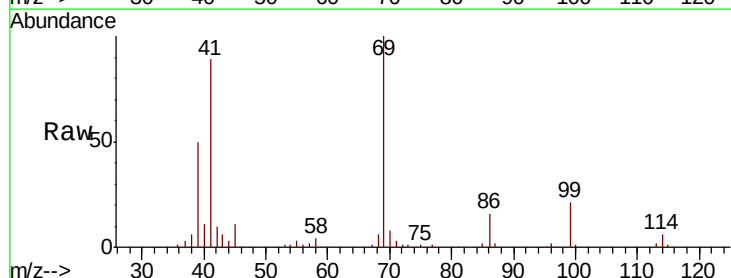
Tgt Ion: 69 Resp: 184869

Ion Ratio Lower Upper

69 100

41 88.9 69.8 104.8

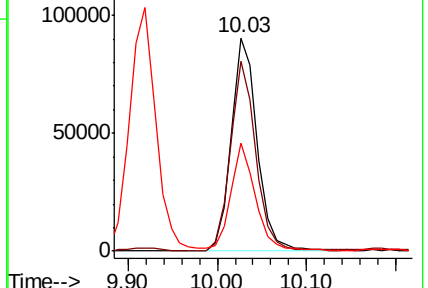
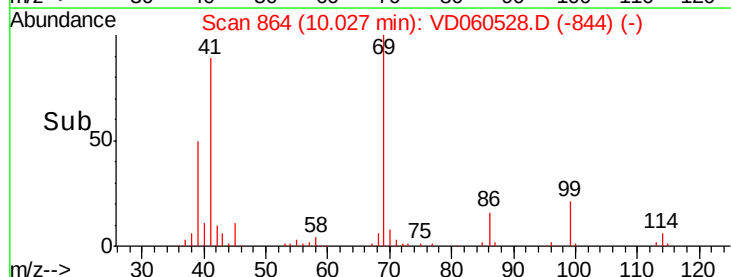
39 50.3 37.5 56.3

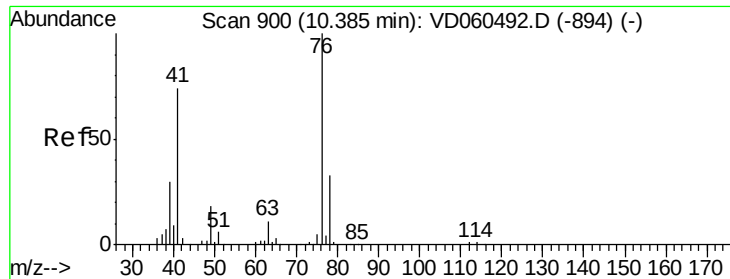


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

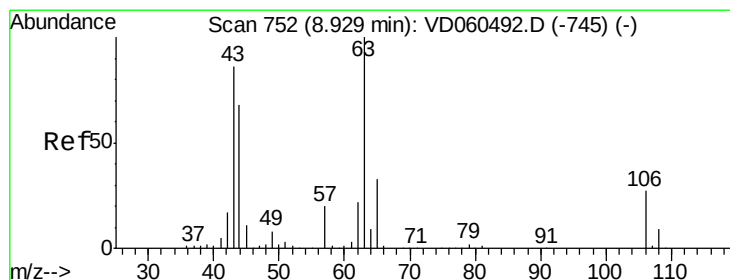
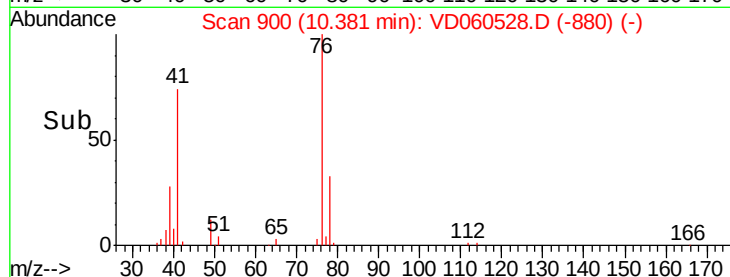
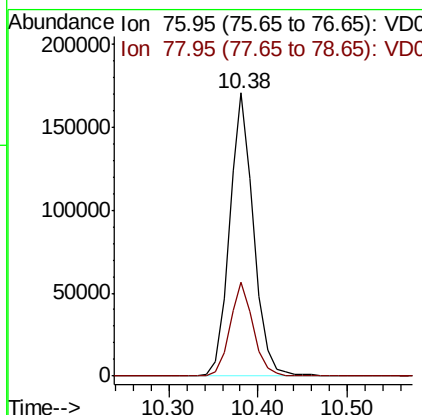
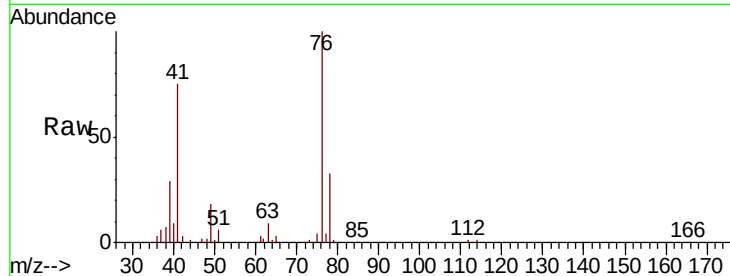




#57
 1,3-Dichloropropane
 Concen: 21.182 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

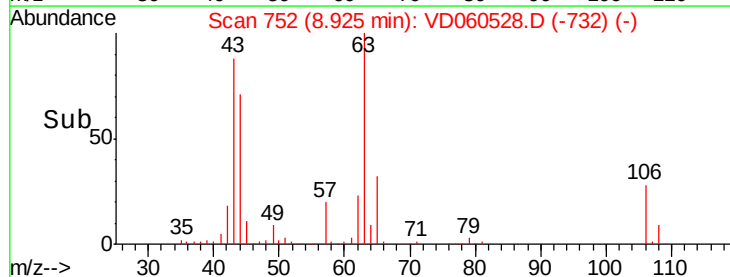
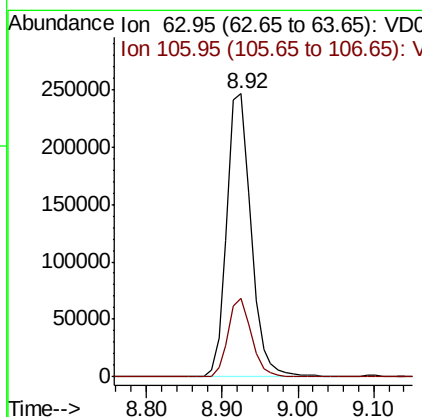
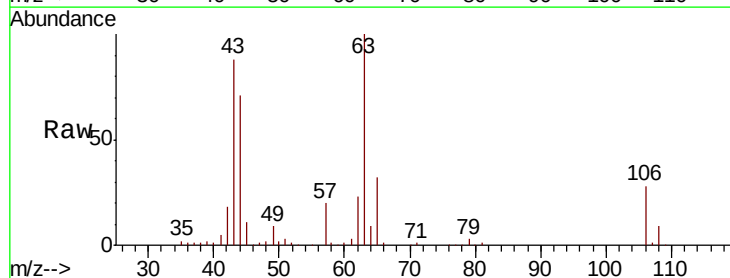
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

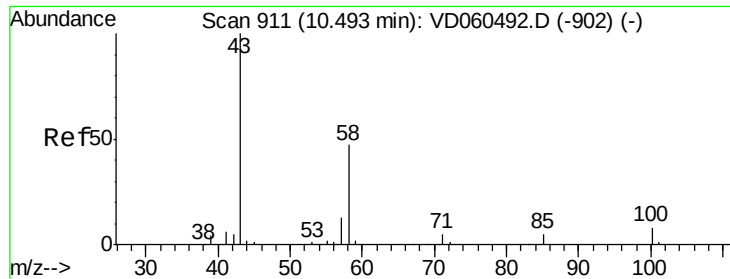
Tot Ion: 76 Resp: 320832
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.153 ug/l
 RT: 8.92 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Tgt Ion: 63 Resp: 547297
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.6 32.4

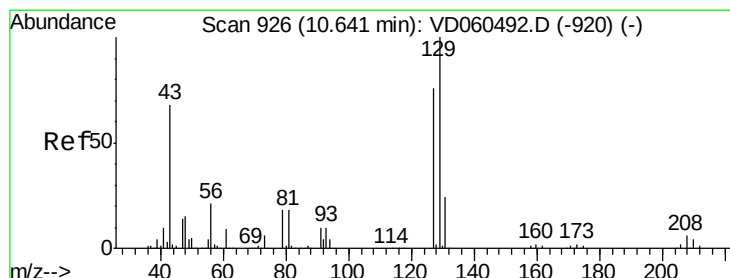
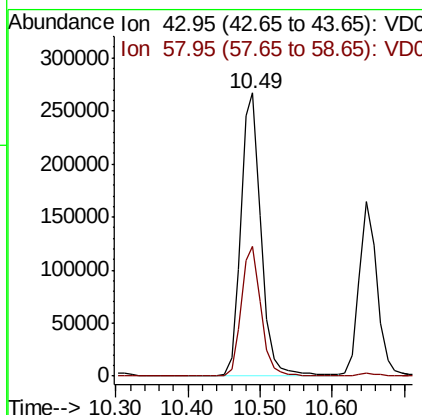
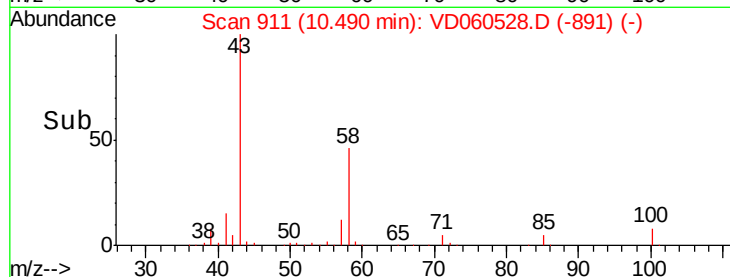
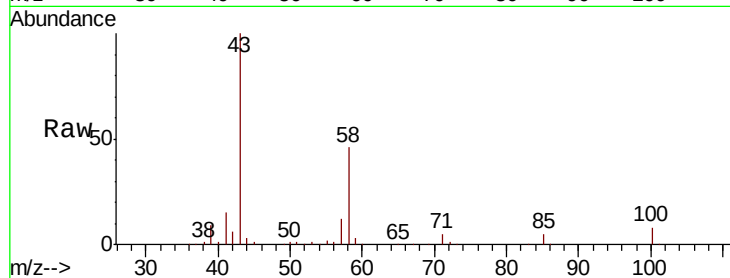




#59
2-Hexanone
Concen: 101.747 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

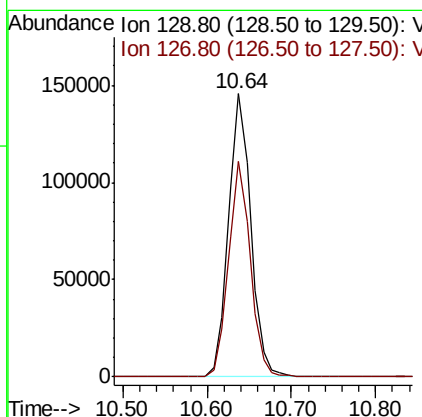
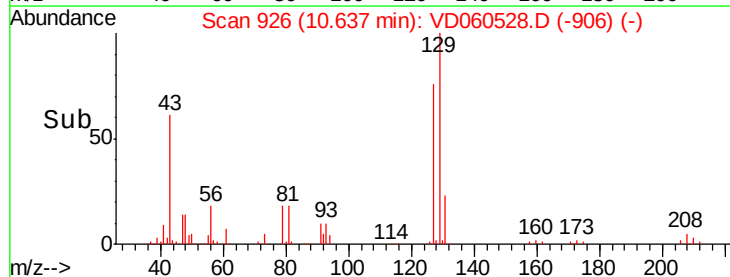
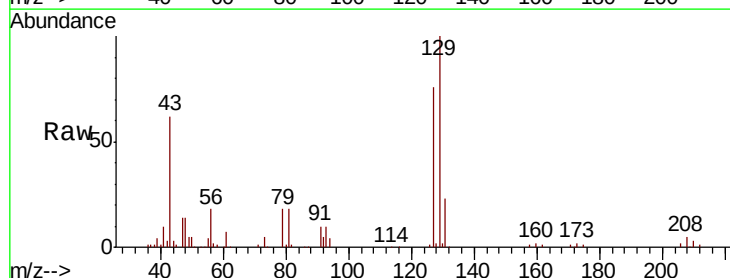
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

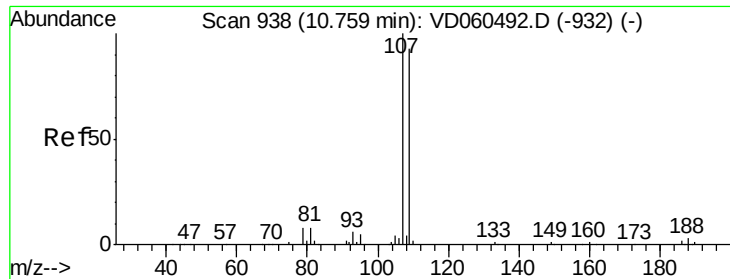
Tot Ion: 43 Resp: 521646
Ion Ratio Lower Upper
43 100
58 45.9 23.4 70.2



#60
Dibromochloromethane
Concen: 21.922 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion: 129 Resp: 268544
Ion Ratio Lower Upper
129 100
127 76.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.538 ug/l

RT: 10.76 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

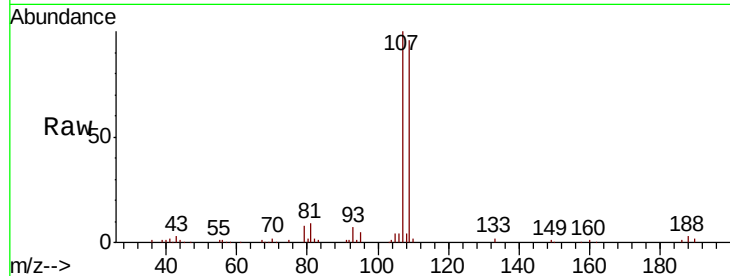
VD1211SBS01

Tot Ion:107 Resp: 205071

Ion Ratio Lower Upper

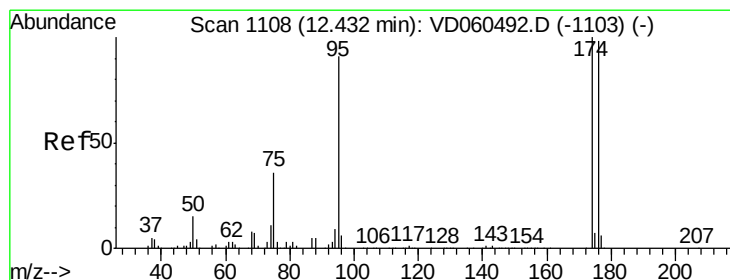
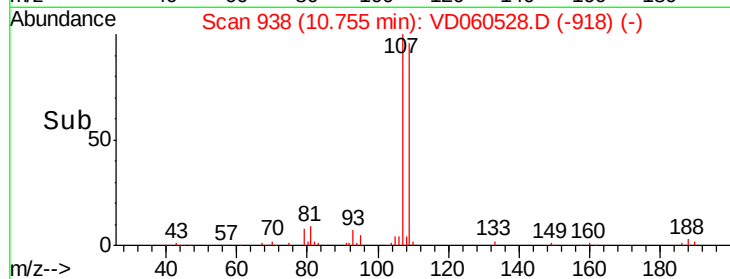
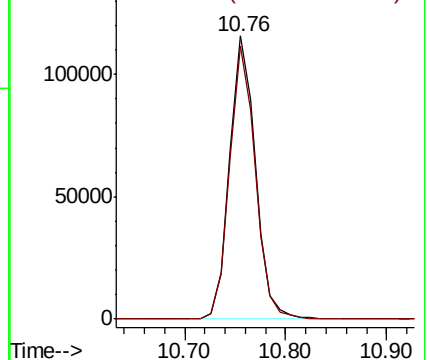
107 100

109 96.4 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: 20.538 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

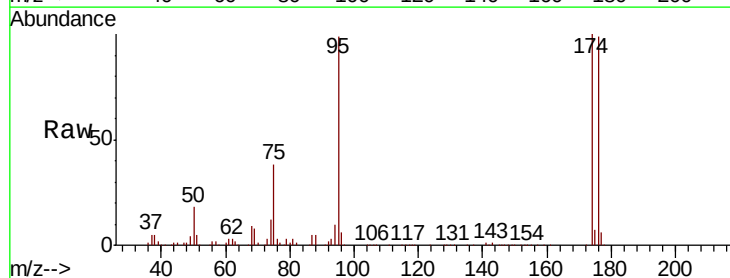
Tgt Ion: 95 Resp: 842357

Ion Ratio Lower Upper

95 100

174 101.0 0.0 219.4

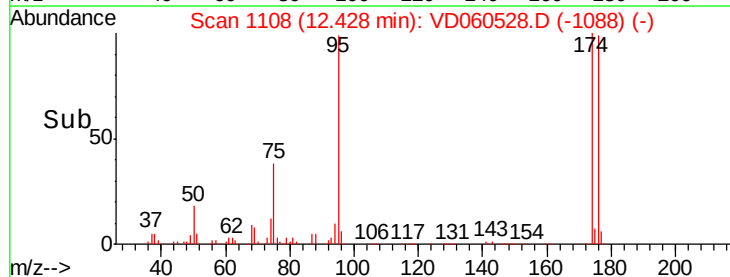
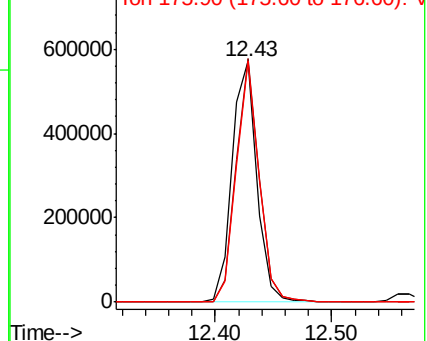
176 100.0 0.0 214.6

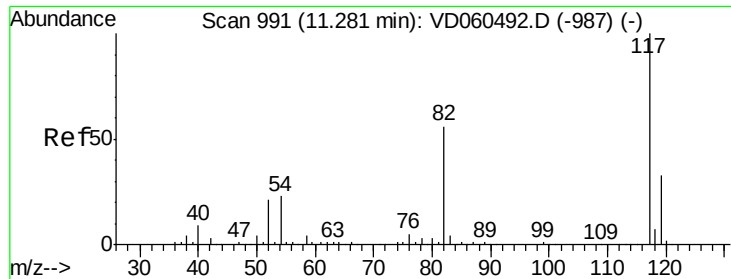


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

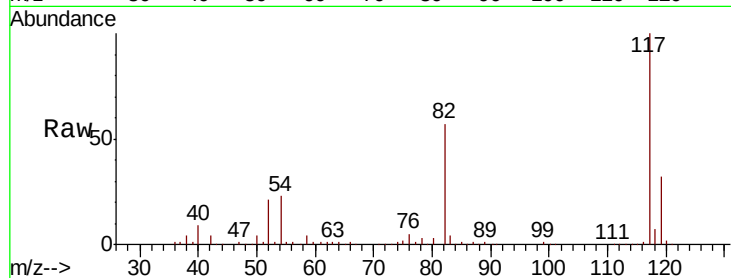




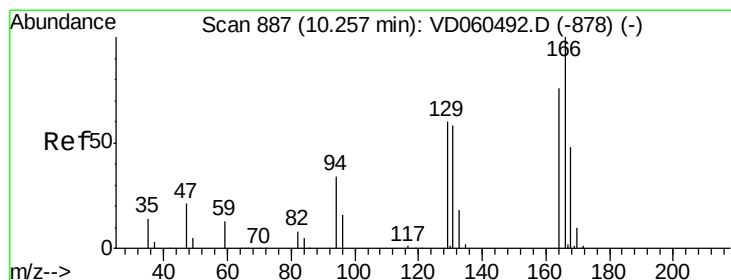
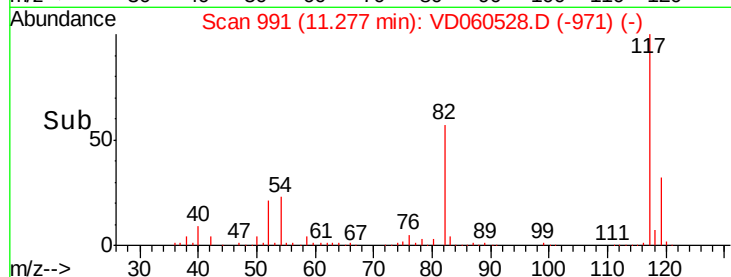
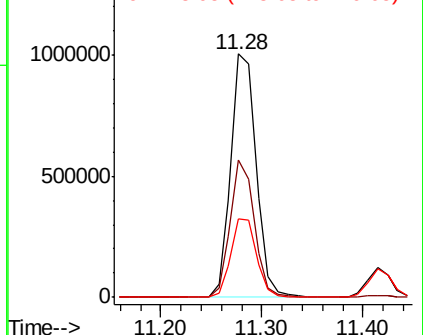
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion:117 Resp: 1750125
Ion Ratio Lower Upper
117 100
82 56.6 45.2 67.8
119 32.3 26.1 39.1

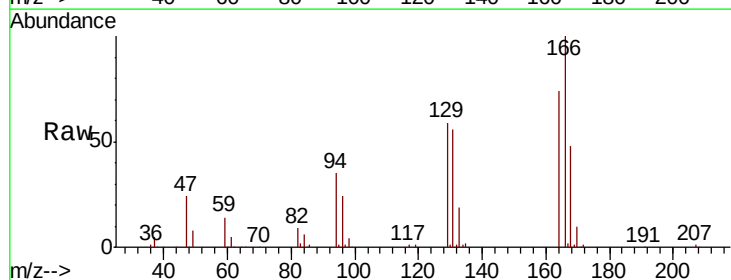


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

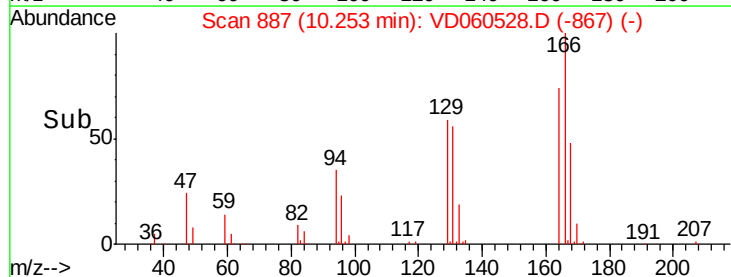
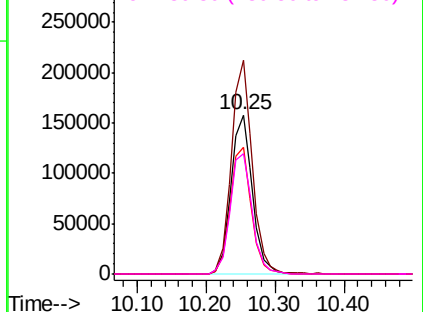


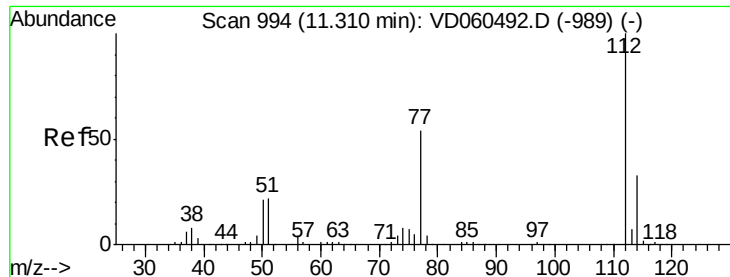
#64
Tetrachloroethene
Concen: 21.745 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion:164 Resp: 336987
Ion Ratio Lower Upper
164 100
166 134.4 105.0 157.6
129 79.5 63.0 94.4
131 75.6 60.6 90.8



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

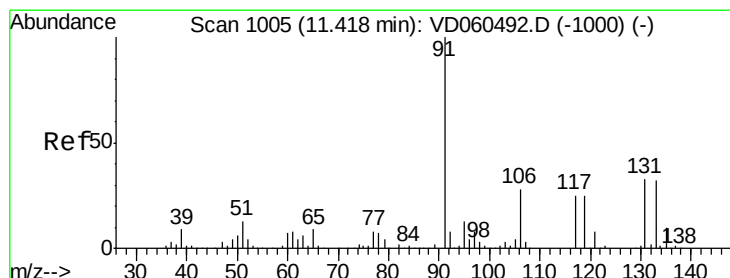
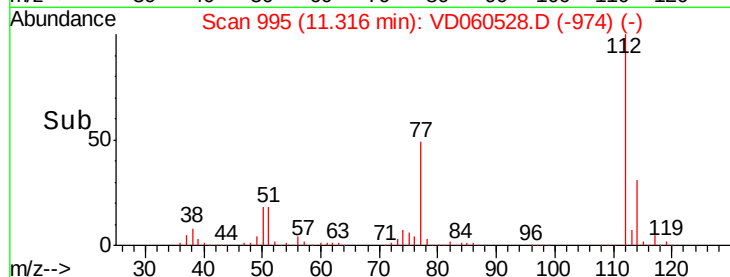
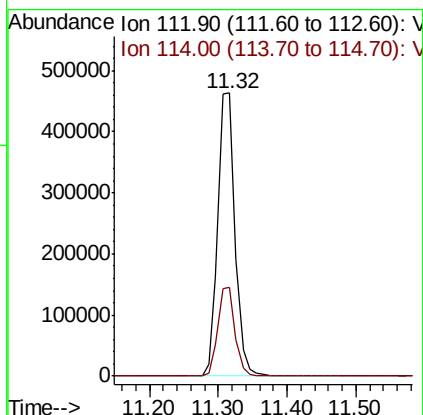
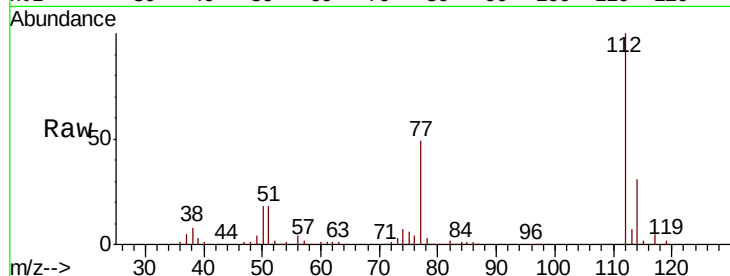




#65
Chlorobenzene
Concen: 21.805 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.01 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

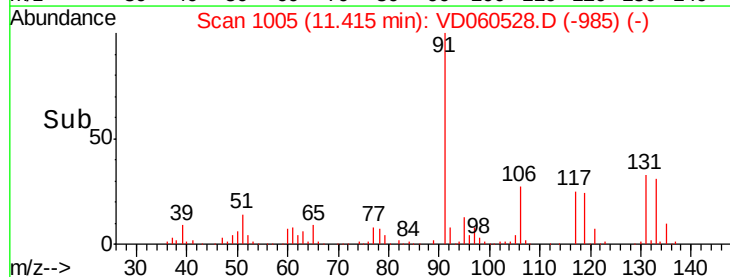
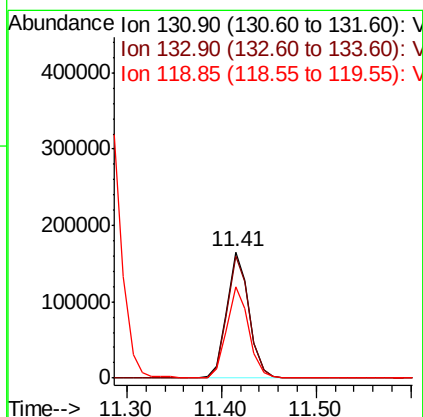
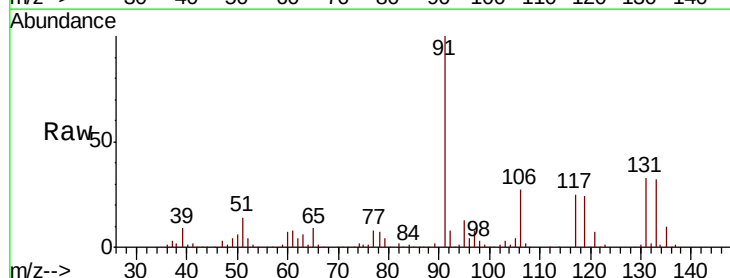
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

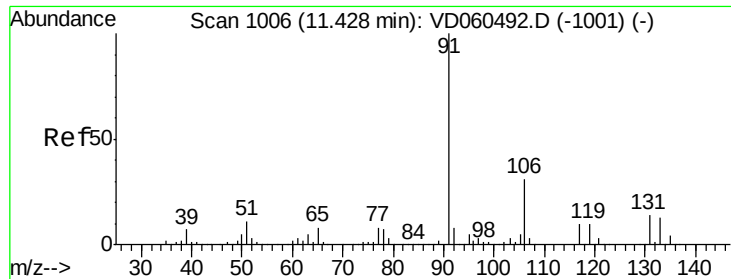
Tot Ion:112 Resp: 807330
Ion Ratio Lower Upper
112 100
114 31.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.410 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion:131 Resp: 267440
Ion Ratio Lower Upper
131 100
133 96.6 49.1 147.3
119 72.4 37.5 112.3

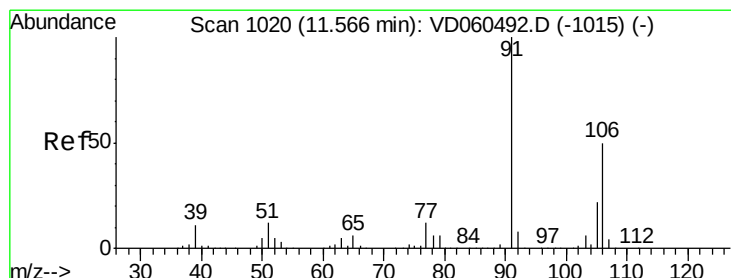
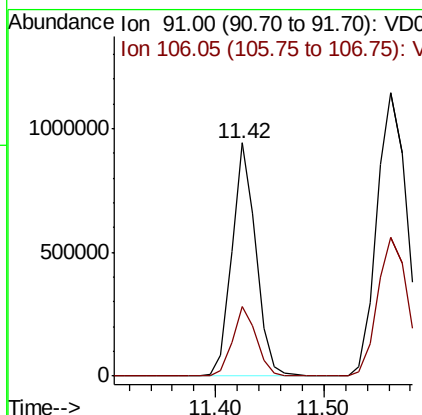
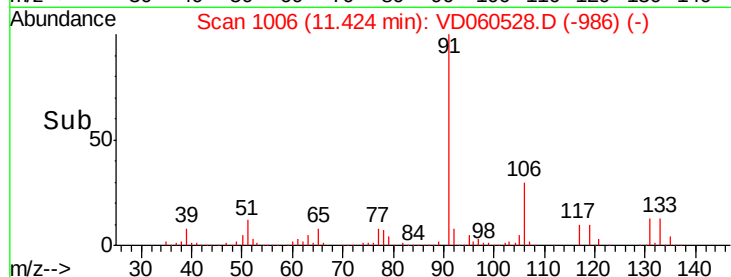
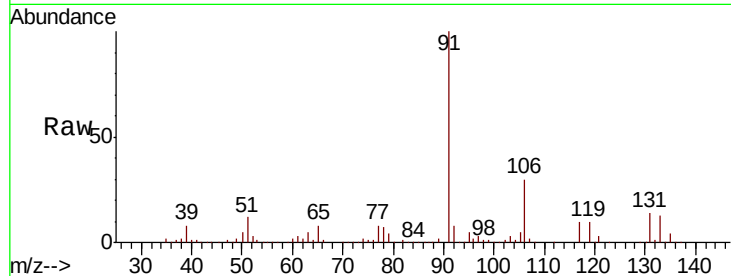




#67
Ethyl Benzene
Concen: 22.923 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

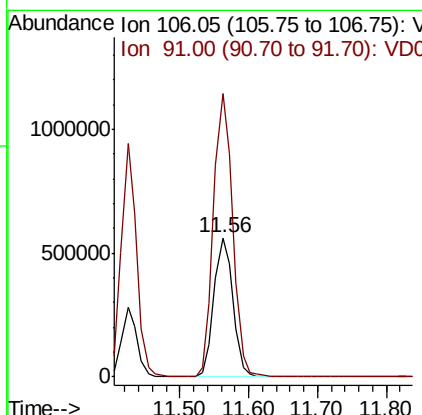
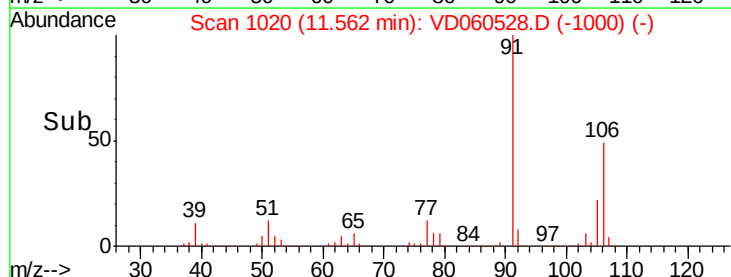
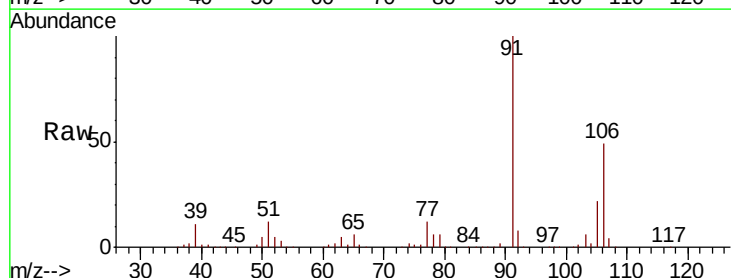
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

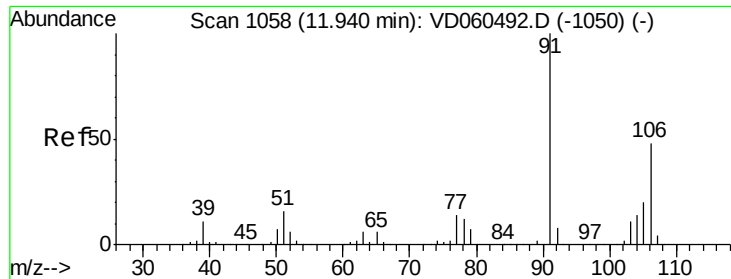
Tot Ion: 91 Resp: 1447651
Ion Ratio Lower Upper
91 100
106 30.0 24.6 37.0



#68
m/p-Xylenes
Concen: 46.149 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion: 106 Resp: 1078227
Ion Ratio Lower Upper
106 100
91 203.7 160.5 240.7

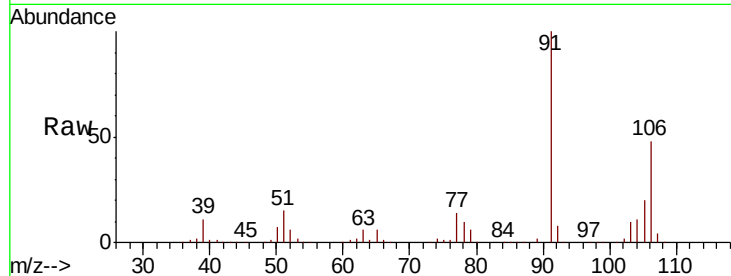




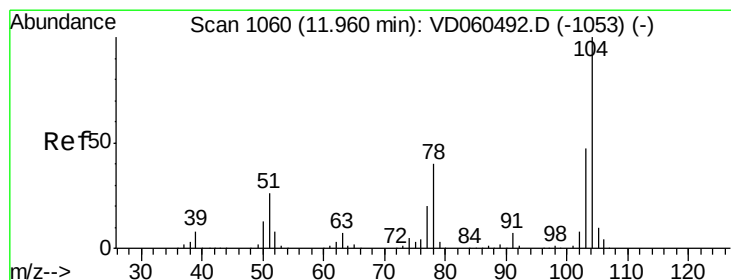
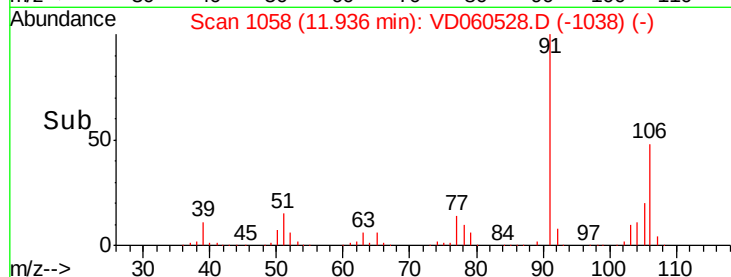
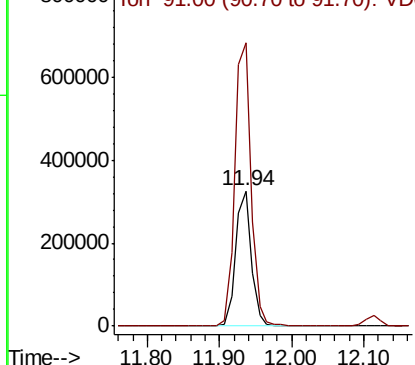
#69
o-Xylene
Concen: 22.337 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion:106 Resp: 497346
Ion Ratio Lower Upper
106 100
91 209.0 103.4 310.1

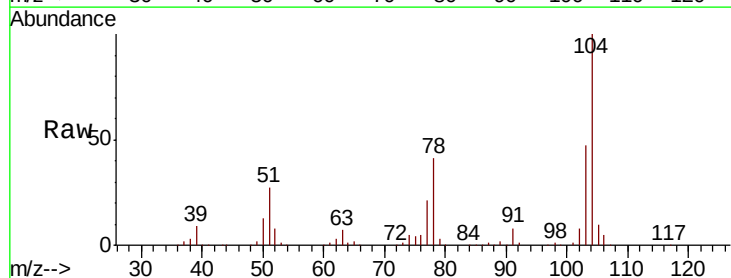


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

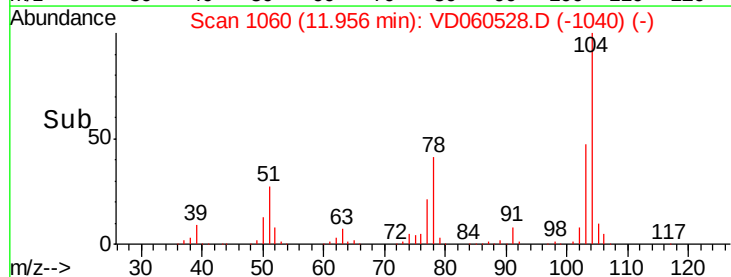
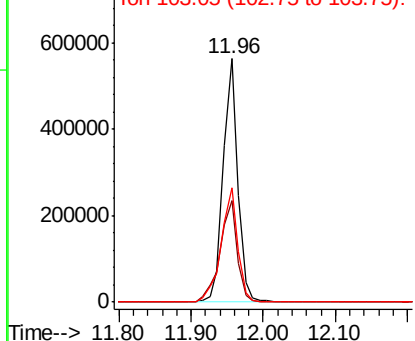


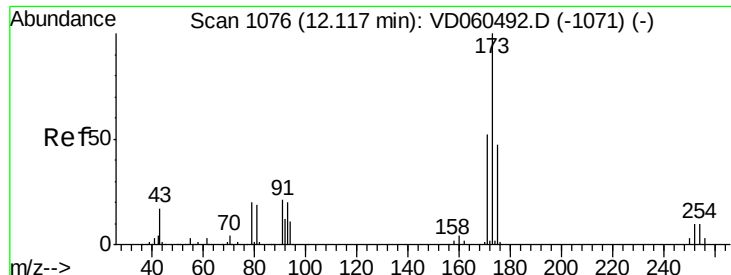
#70
Styrene
Concen: 22.046 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion:104 Resp: 787928
Ion Ratio Lower Upper
104 100
78 41.5 32.1 48.1
103 46.8 37.2 55.8



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

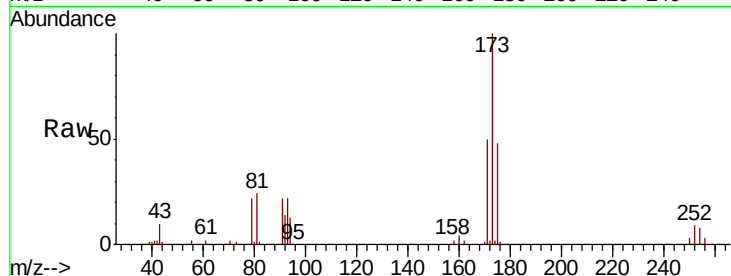




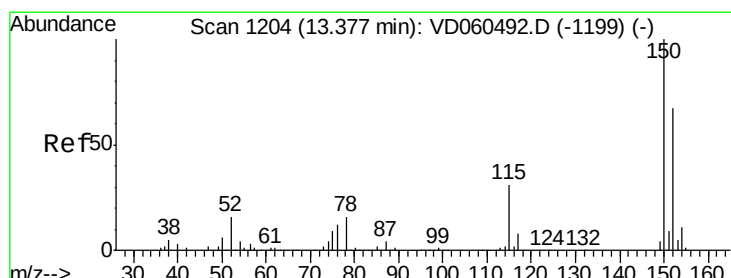
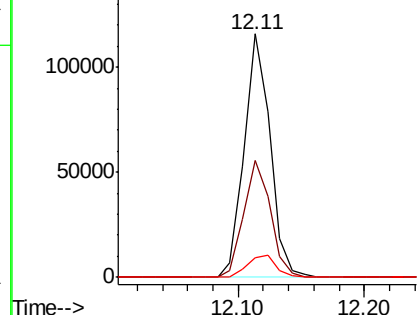
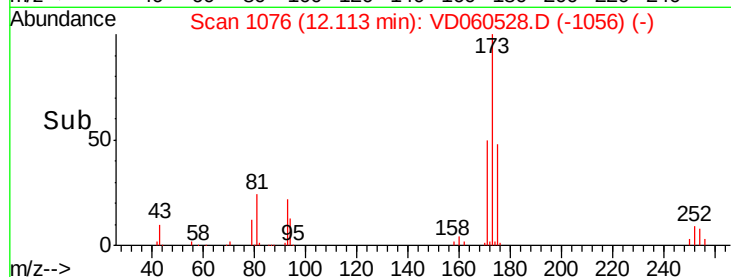
#71
Bromoform
Concen: 20.610 ug/l
RT: 12.11 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion:173 Resp: 164089
Ion Ratio Lower Upper
173 100
175 48.0 23.5 70.6
254 8.2 7.8 11.8

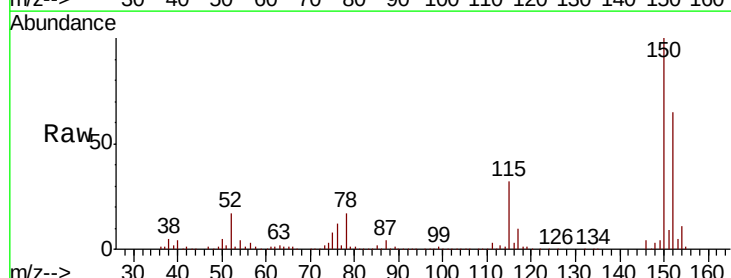


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

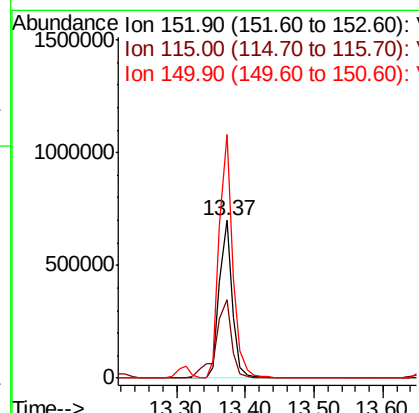
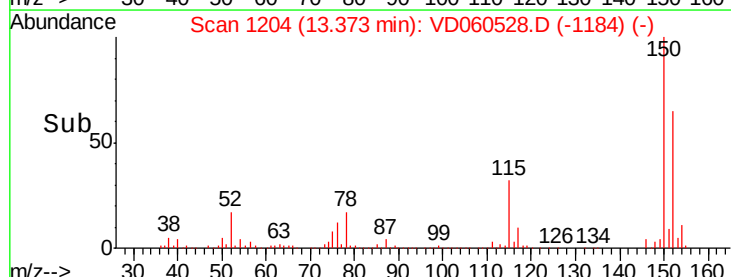


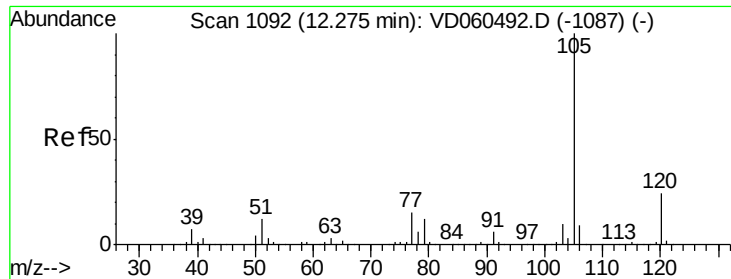
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion:152 Resp: 902324
Ion Ratio Lower Upper
152 100
115 49.5 24.6 74.0
150 154.5 0.0 309.0



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





#73

Isopropylbenzene

Concen: 21.910 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

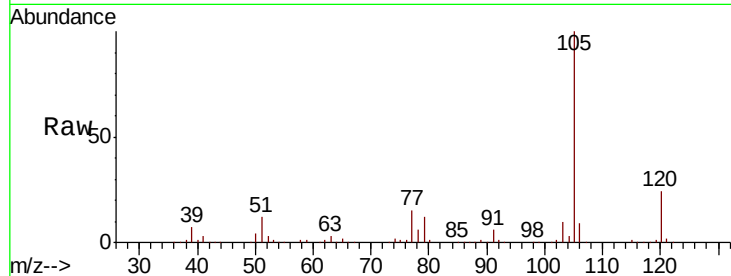
VD1211SBS01

Tot Ion:105 Resp: 1399006

Ion Ratio Lower Upper

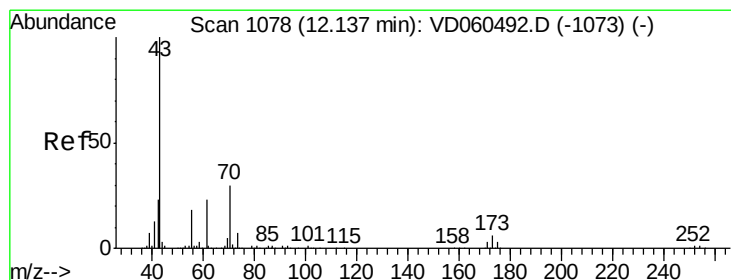
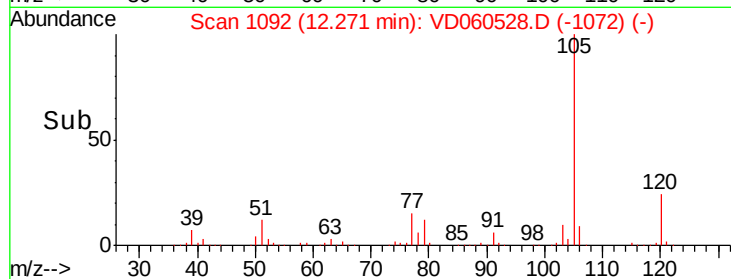
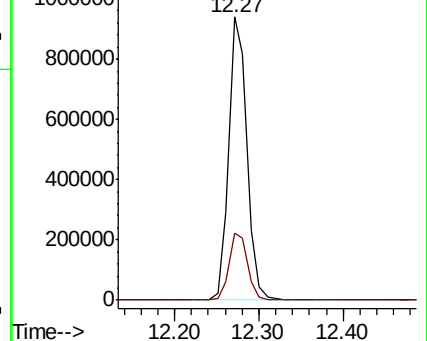
105 100

120 23.6 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: 20.560 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Tgt Ion: 43 Resp: 317277

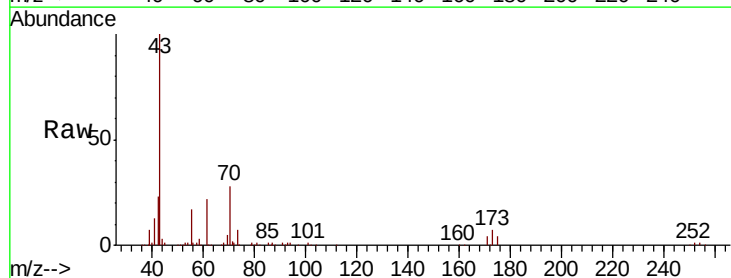
Ion Ratio Lower Upper

43 100

70 27.6 23.8 35.8

55 17.1 14.2 21.2

61 22.5 18.1 27.1

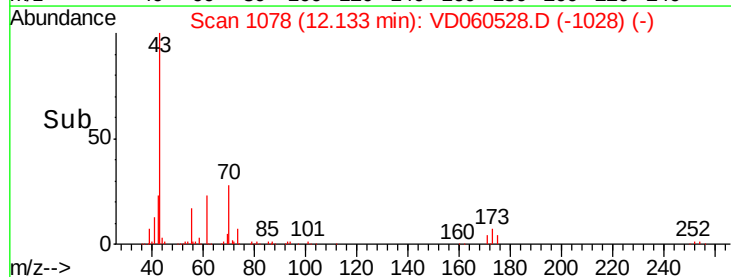
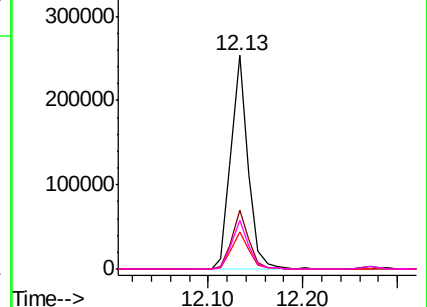


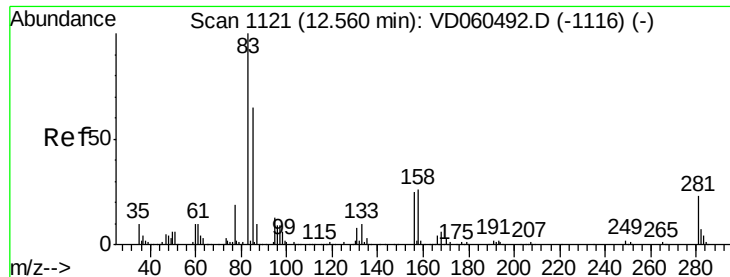
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.252 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

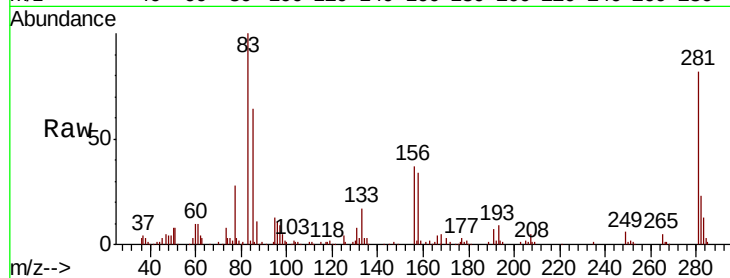
Tot Ion: 83 Resp: 207018

Ion Ratio Lower Upper

83 100

131 8.3 3.8 11.4

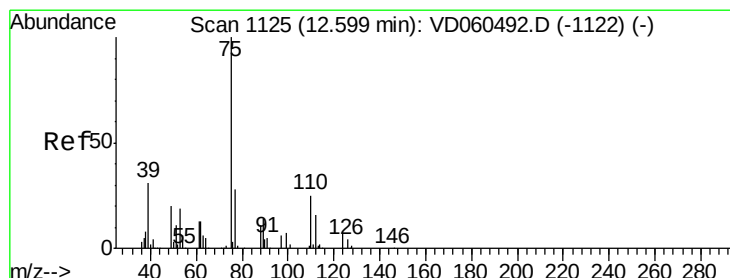
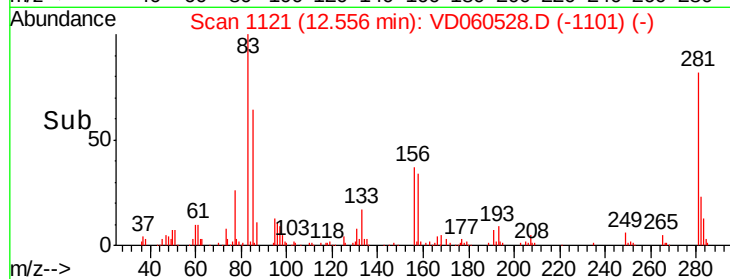
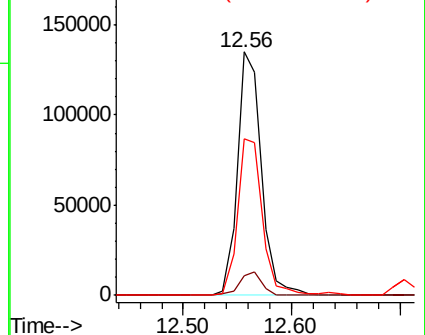
85 64.3 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.440 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VD060528.D

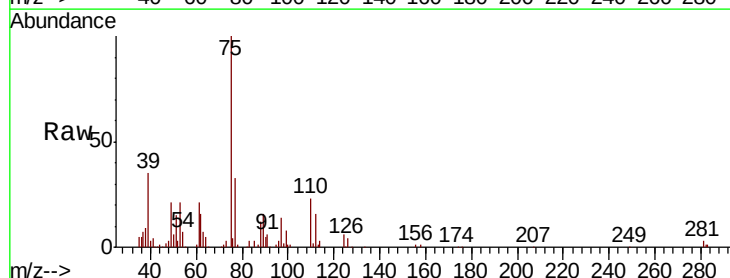
Acq: 11 Dec 2018 11:45

Tgt Ion: 75 Resp: 208974

Ion Ratio Lower Upper

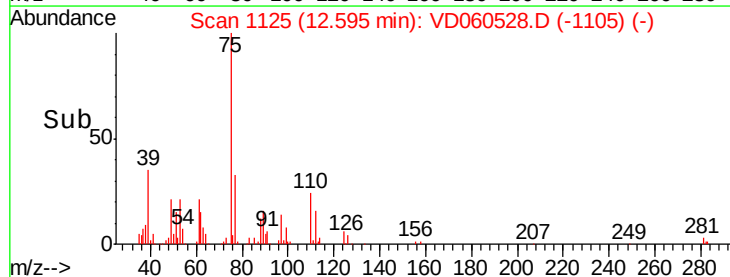
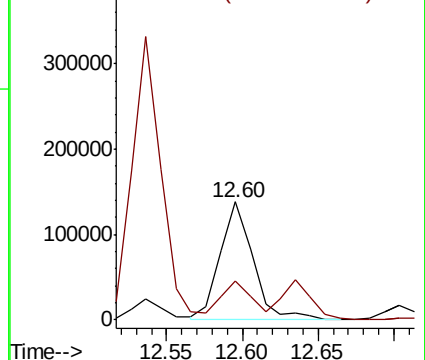
75 100

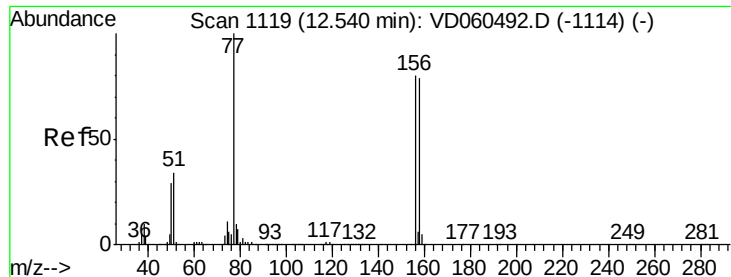
77 32.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.171 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

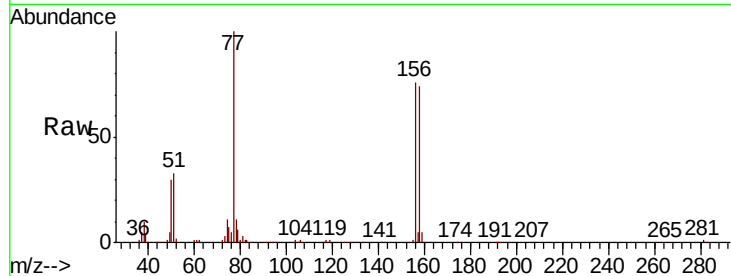
Tot Ion:156 Resp: 355335

Ion Ratio Lower Upper

156 100

77 131.0 62.5 187.6

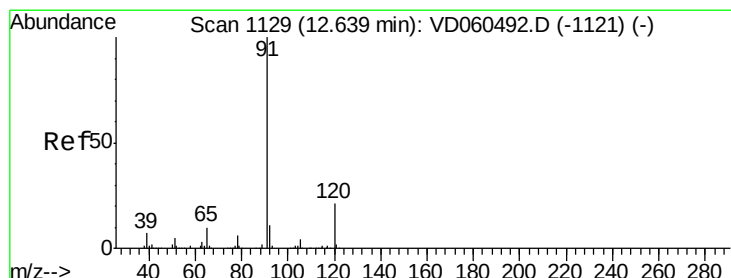
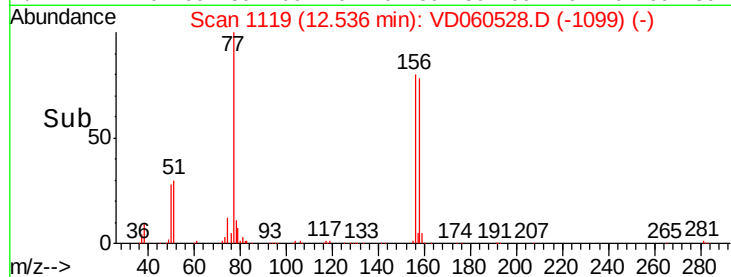
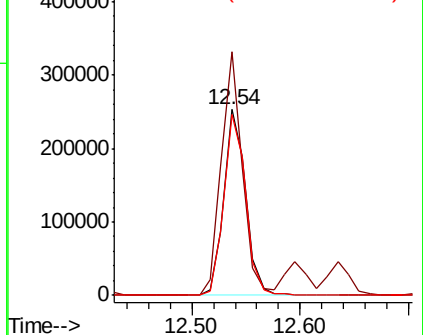
158 97.5 49.4 148.2



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: 22.249 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VD060528.D

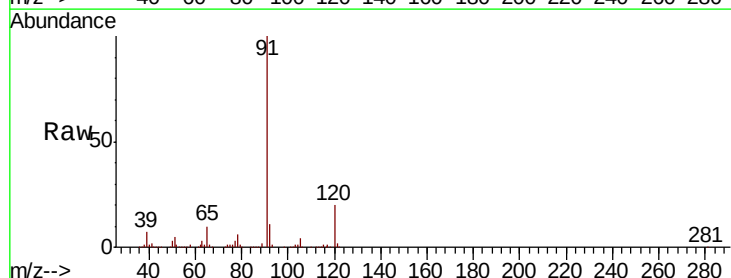
Acq: 11 Dec 2018 11:45

Tgt Ion: 91 Resp: 1795803

Ion Ratio Lower Upper

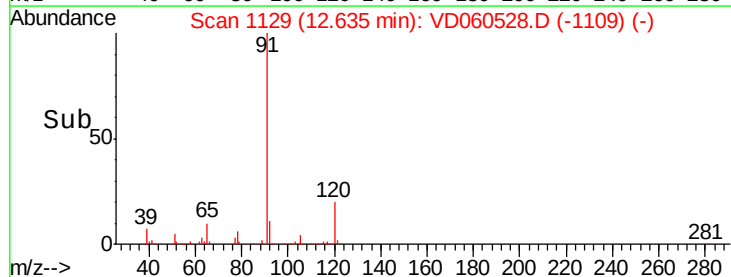
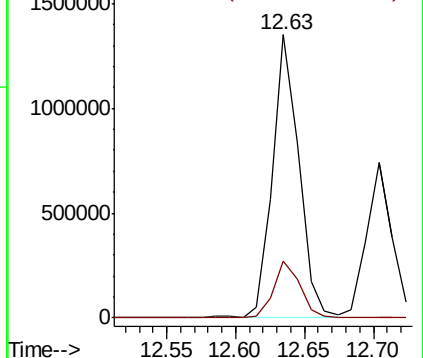
91 100

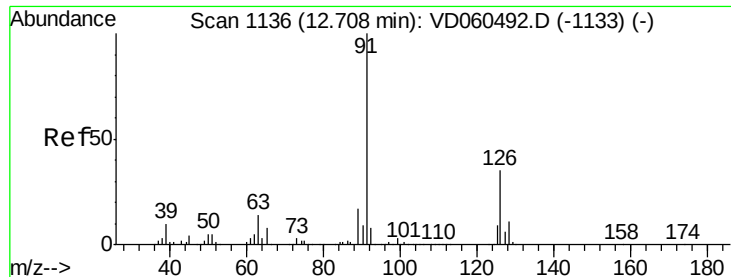
120 20.1 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.946 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

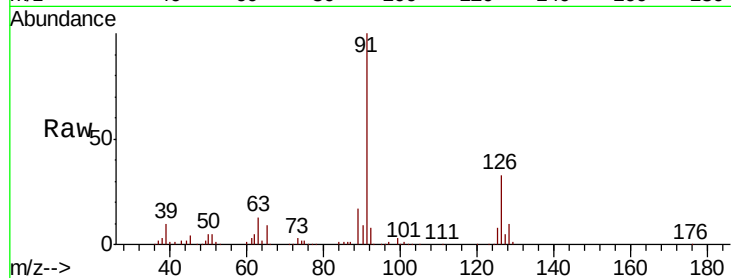
VD1211SBS01

Tot Ion: 91 Resp: 961205

Ion Ratio Lower Upper

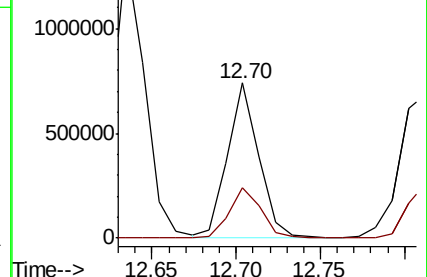
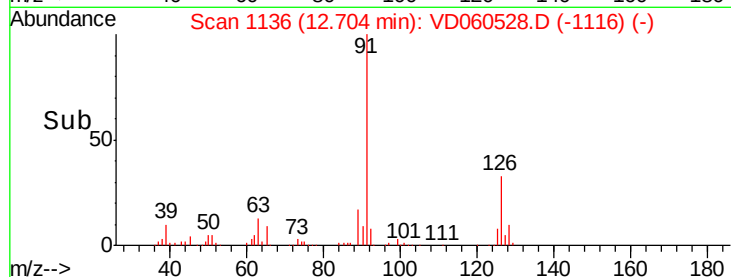
91 100

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: 22.450 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VD060528.D

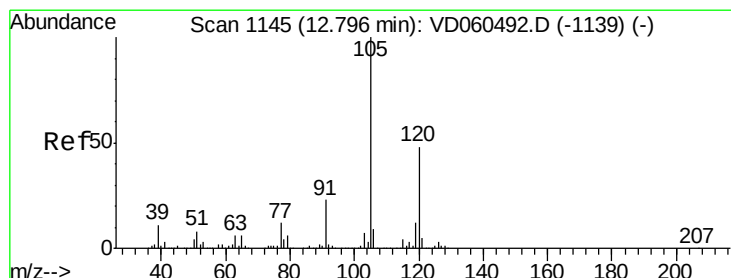
Acq: 11 Dec 2018 11:45

Tgt Ion: 105 Resp: 1095320

Ion Ratio Lower Upper

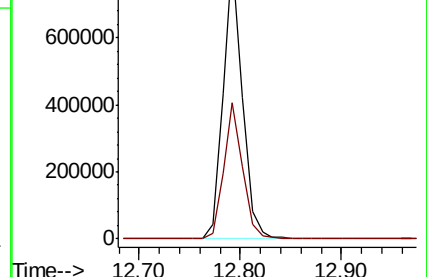
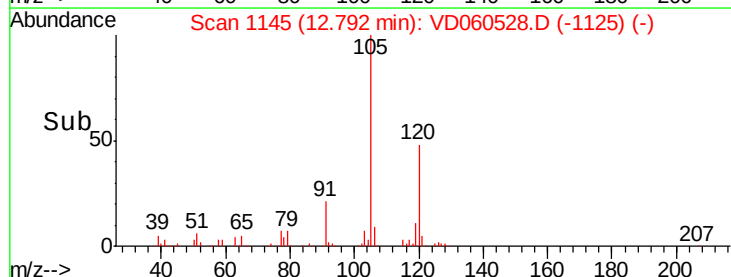
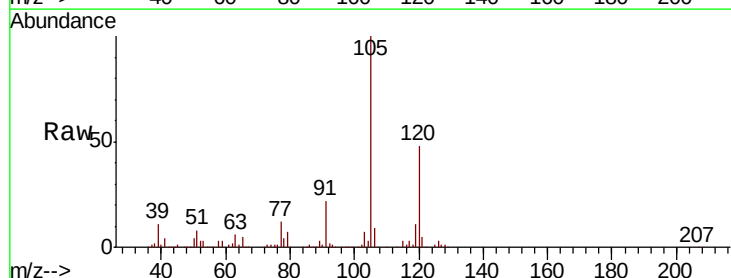
105 100

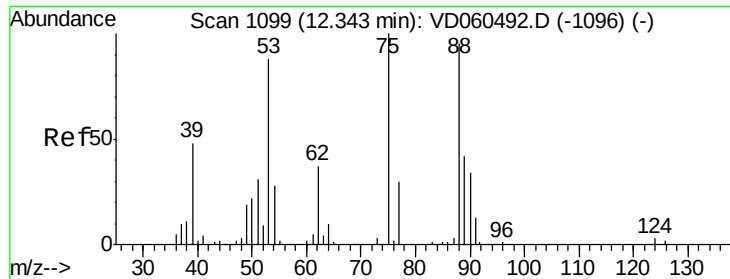
120 48.2 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.266 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VD060528.D

Acq: 11 Dec 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

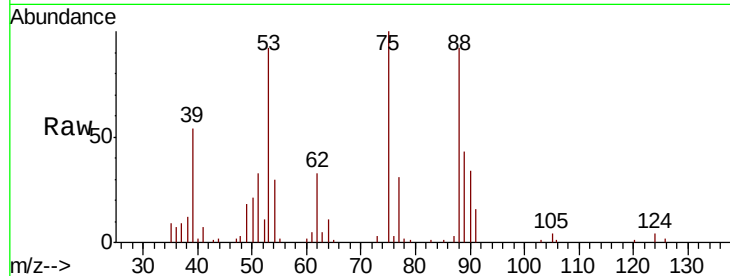
Tot Ion: 75 Resp: 57787

Ion Ratio Lower Upper

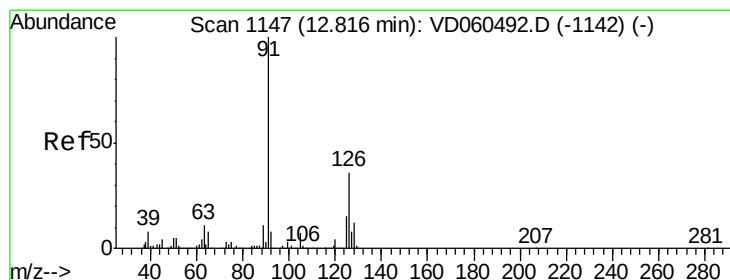
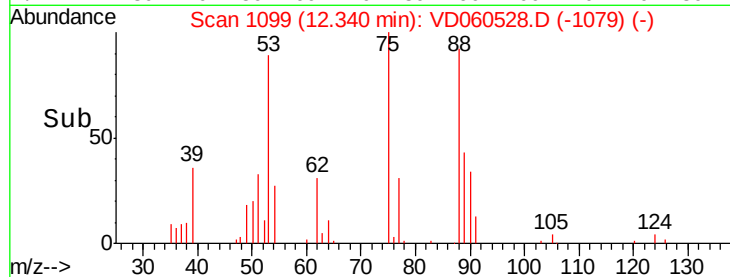
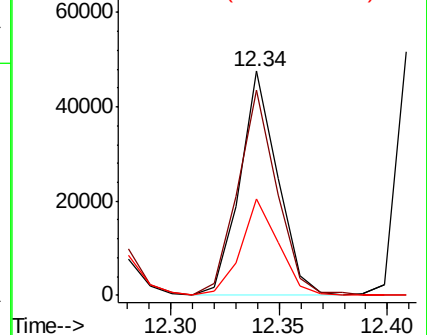
75 100

53 91.7 70.5 105.7

89 43.2 33.6 50.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.780 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.00 min

Lab File: VD060528.D

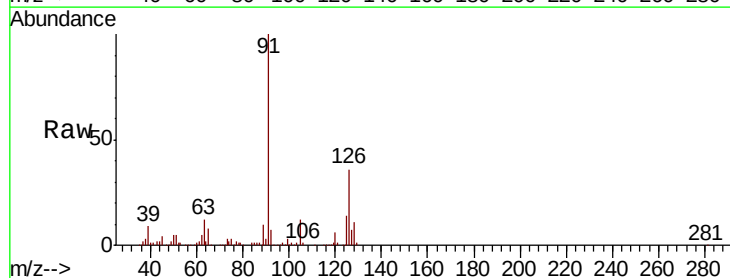
Acq: 11 Dec 2018 11:45

Tgt Ion: 91 Resp: 1071397

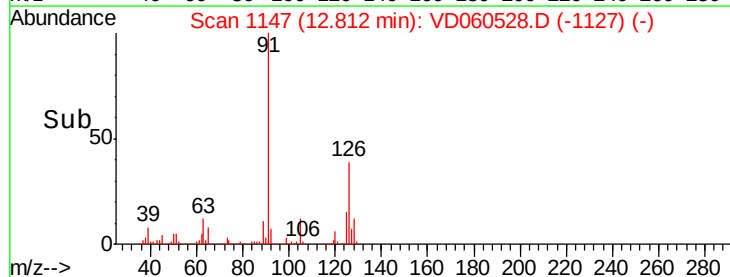
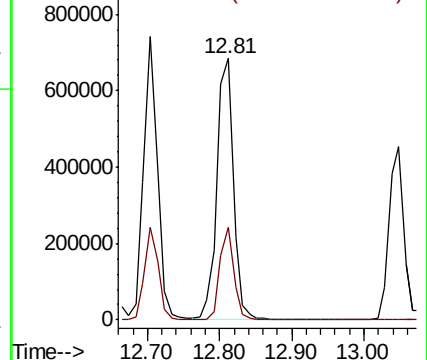
Ion Ratio Lower Upper

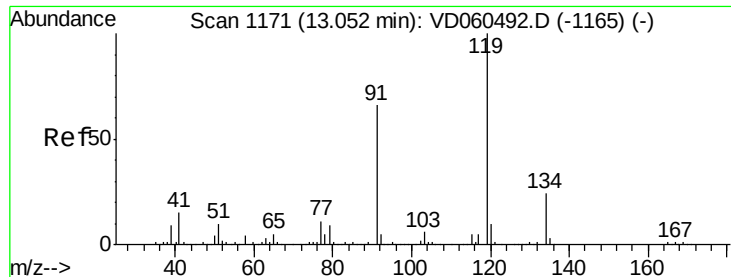
91 100

126 35.6 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

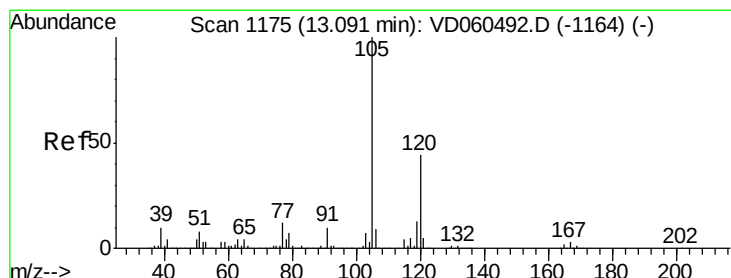
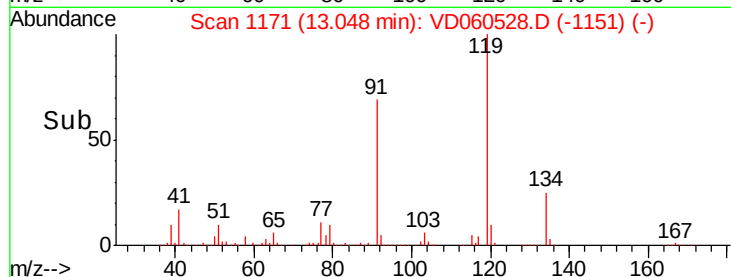
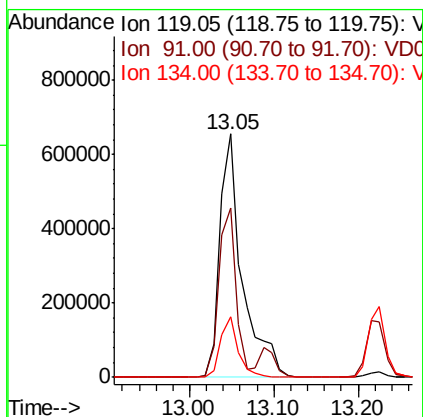
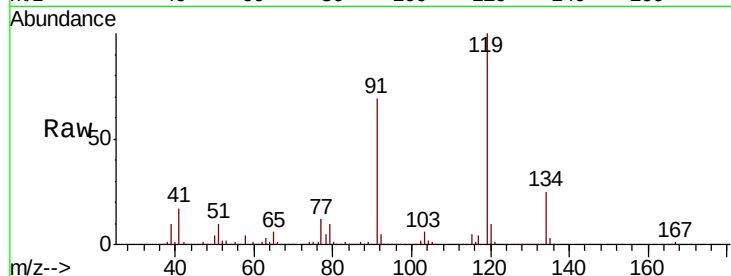




#83
 tert-Butylbenzene
 Concen: 22.295 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

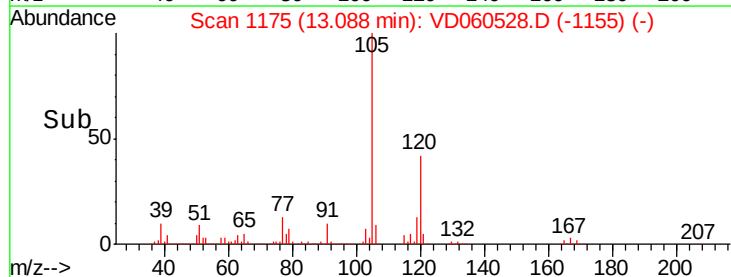
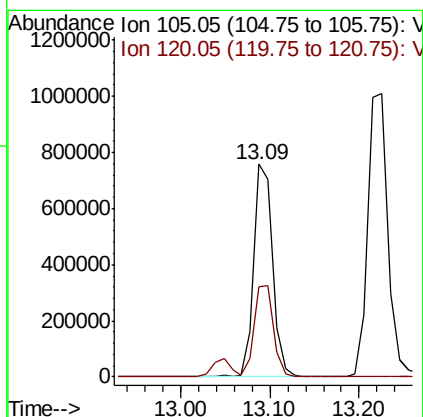
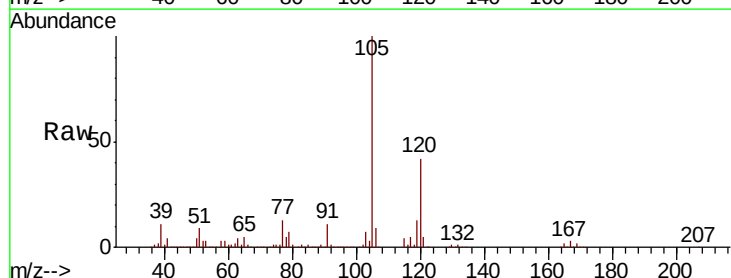
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

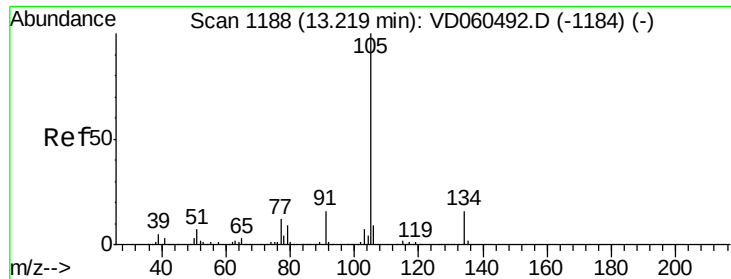
Tot Ion:119 Resp: 1219658
 Ion Ratio Lower Upper
 119 100
 91 69.4 33.1 99.2
 134 24.7 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.730 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Tgt Ion:105 Resp: 1097763
 Ion Ratio Lower Upper
 105 100
 120 42.4 22.3 66.8

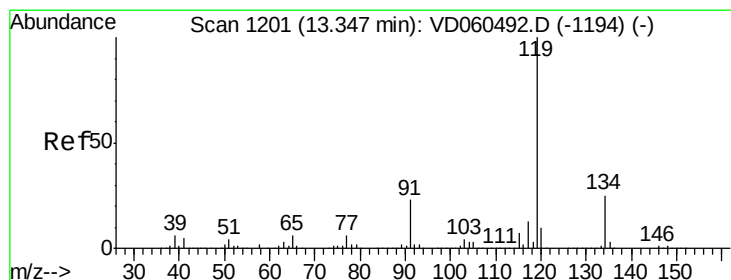
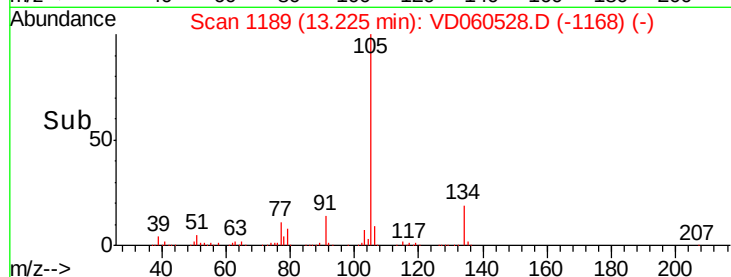
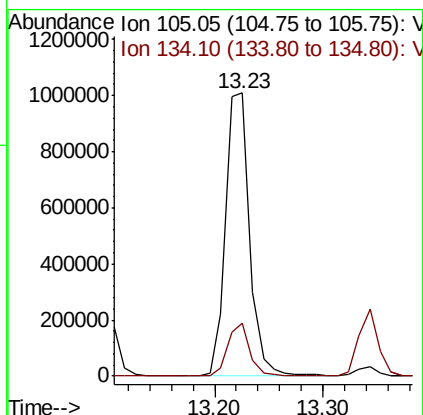
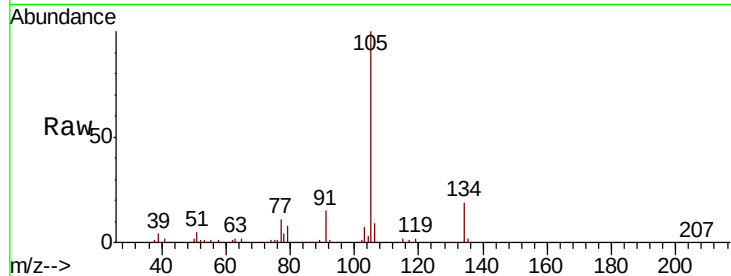




#85
 sec-Butylbenzene
 Concen: 22.935 ug/l
 RT: 13.23 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

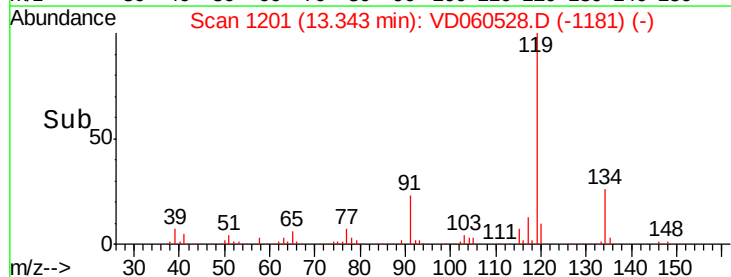
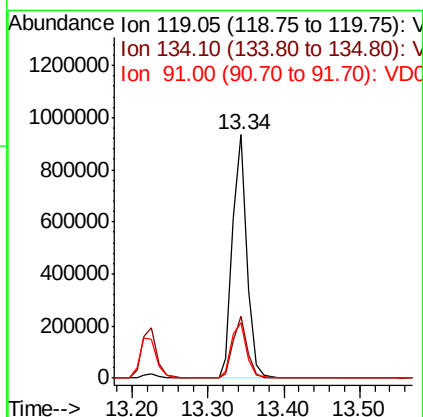
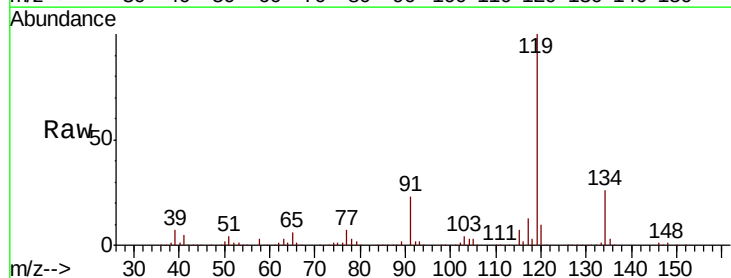
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1211SBS01

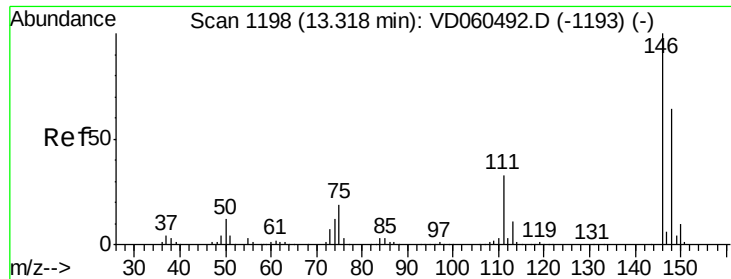
Tot Ion:105 Resp: 1563756
 Ion Ratio Lower Upper
 105 100
 134 18.9 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 22.333 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Tgt Ion:119 Resp: 1207065
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.5 37.5
 91 23.0 11.5 34.4

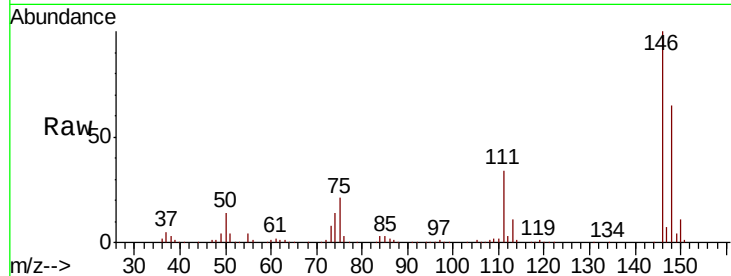




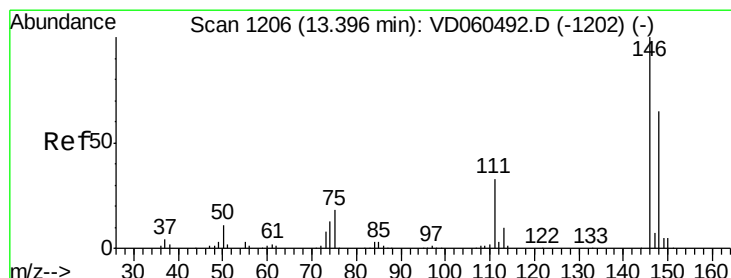
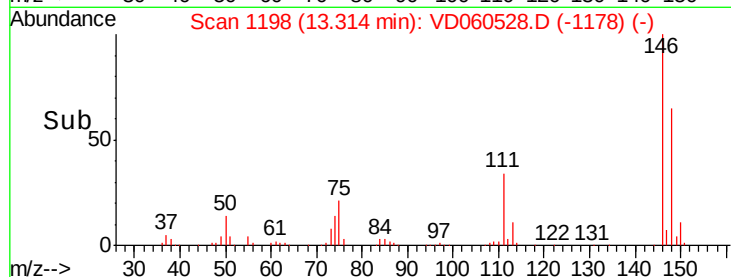
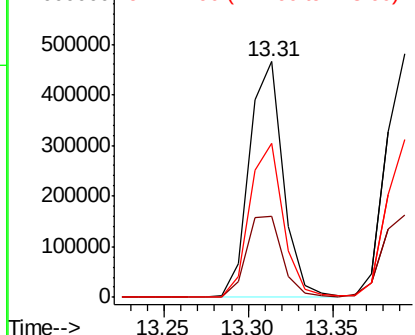
#87
 1,3-Dichlorobenzene
 Concen: 21.330 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion:146 Resp: 648191
 Ion Ratio Lower Upper
 146 100
 111 34.3 16.5 49.5
 148 65.2 32.3 96.8

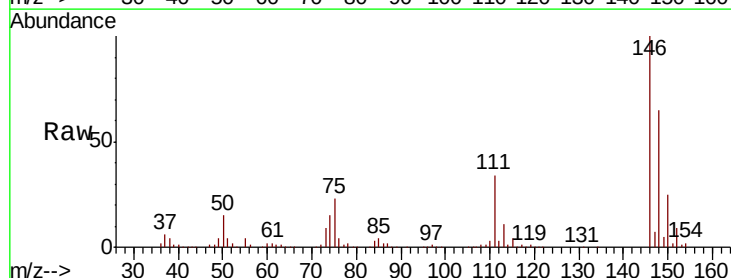


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

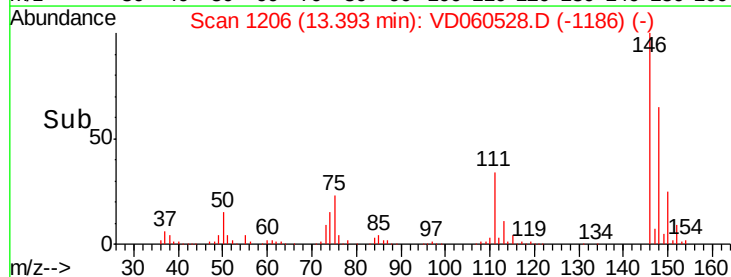
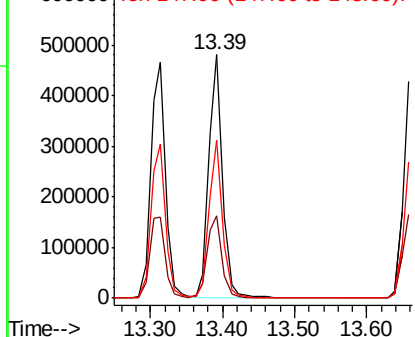


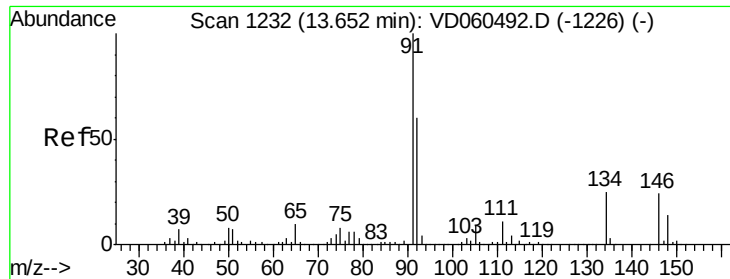
#88
 1,4-Dichlorobenzene
 Concen: 21.187 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Tgt Ion:146 Resp: 631626
 Ion Ratio Lower Upper
 146 100
 111 33.6 16.4 49.1
 148 64.9 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

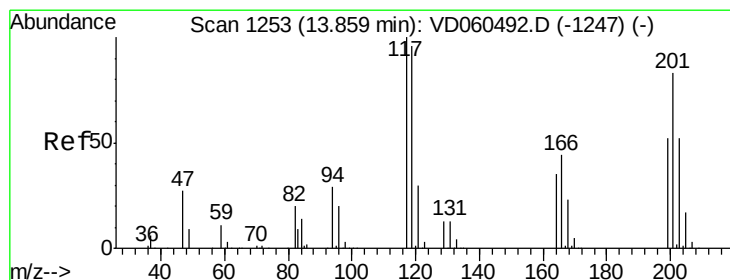
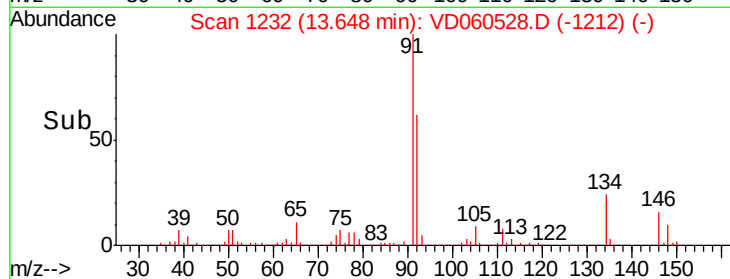
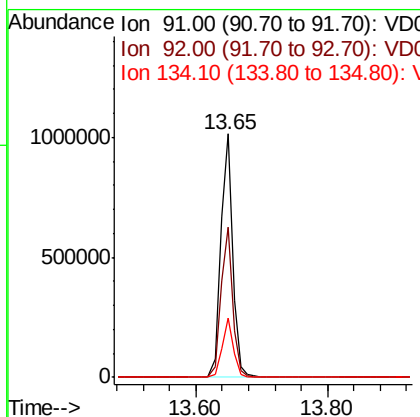
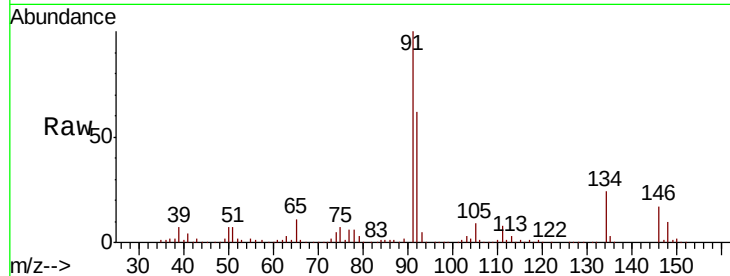




#89
n-Butylbenzene
Concen: 21.299 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

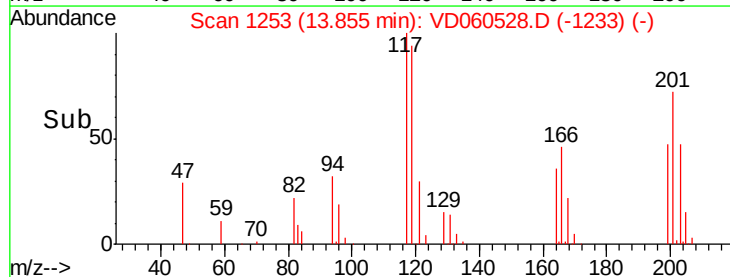
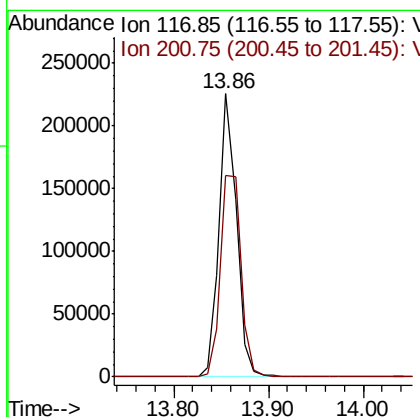
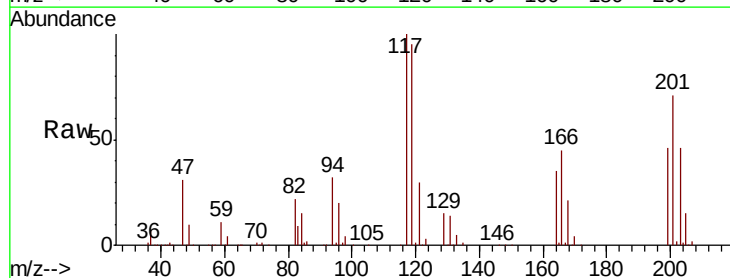
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

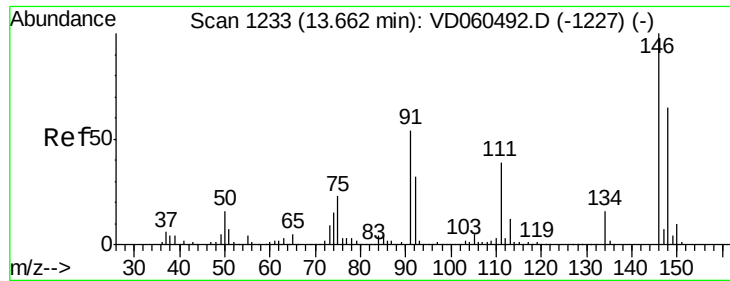
Tot Ion: 91 Resp: 1275575
Ion Ratio Lower Upper
91 100
92 61.5 30.0 90.1
134 24.4 12.5 37.5



#90
Hexachloroethane
Concen: 21.364 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion: 117 Resp: 289512
Ion Ratio Lower Upper
117 100
201 71.4 41.3 123.9

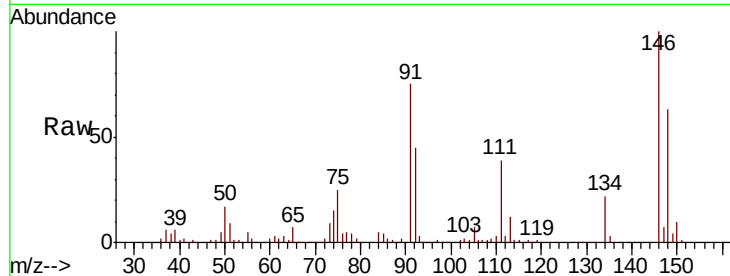




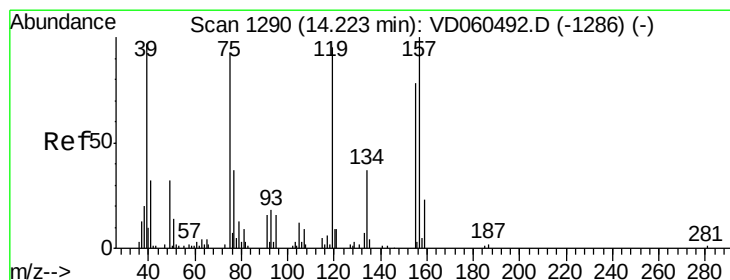
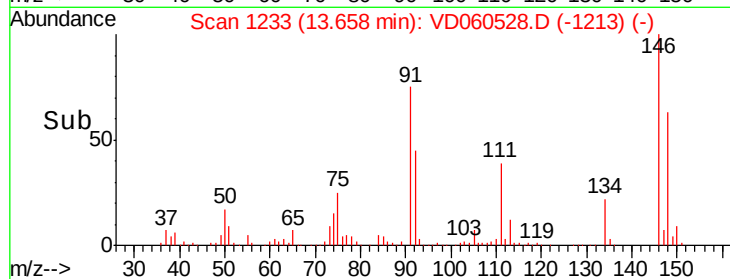
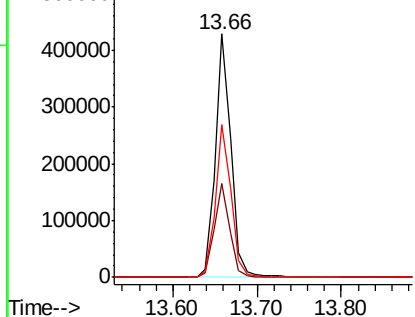
#91
 1,2-Dichlorobenzene
 Concen: 21.872 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion:146 Resp: 543166
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.8
 148 62.8 32.3 96.8

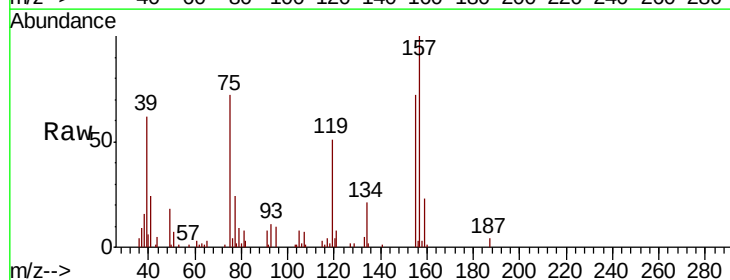


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

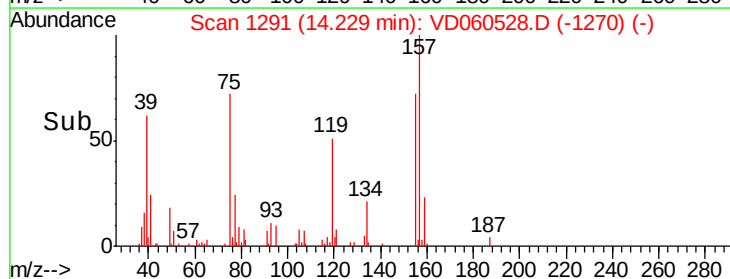
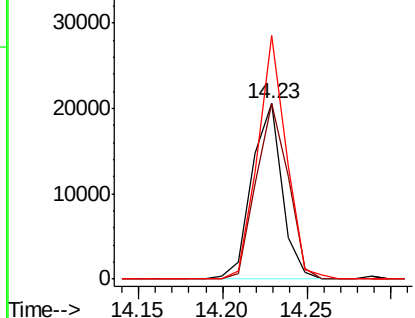


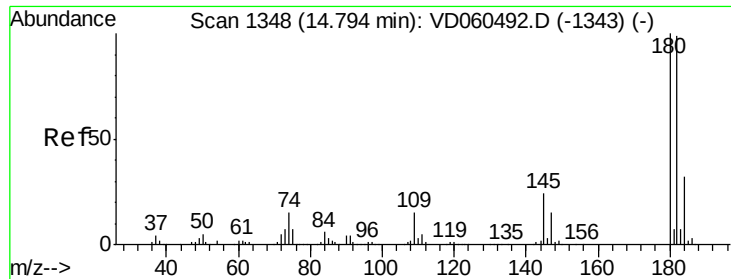
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.714 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060528.D
 Acq: 11 Dec 2018 11:45

Tgt Ion: 75 Resp: 25656
 Ion Ratio Lower Upper
 75 100
 155 100.2 41.6 124.9
 157 138.6 53.6 160.8



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

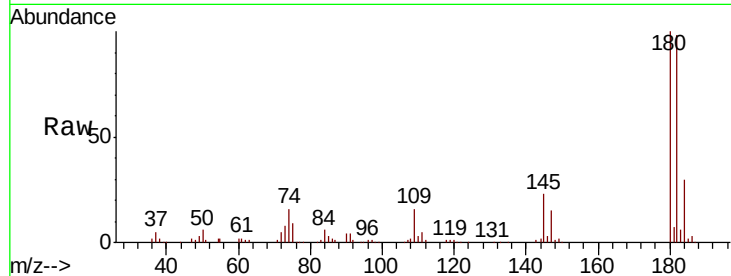




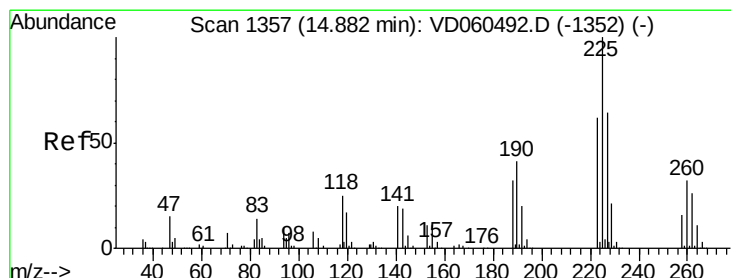
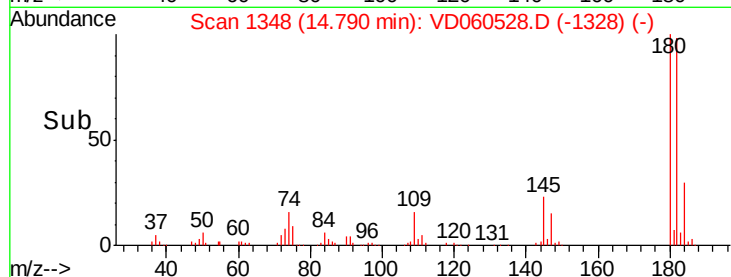
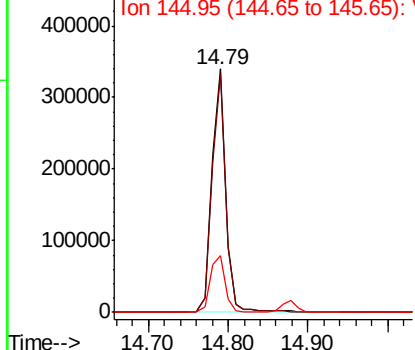
#93
1,2,4-Trichlorobenzene
Concen: 21.601 ug/l
RT: 14.79 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion:180 Resp: 419356
Ion Ratio Lower Upper
180 100
182 98.2 49.4 148.0
145 23.1 11.9 35.9

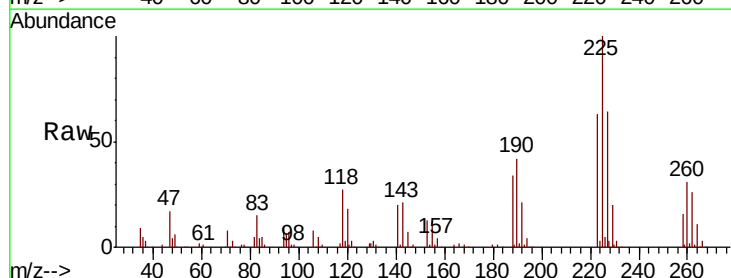


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

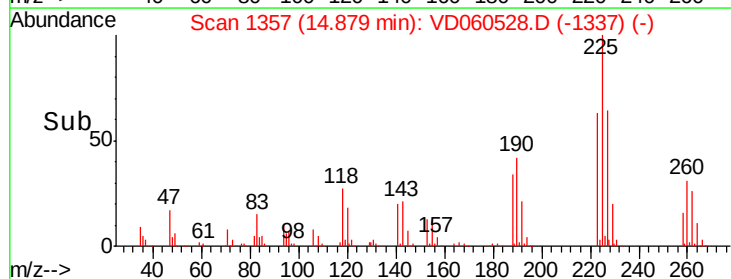
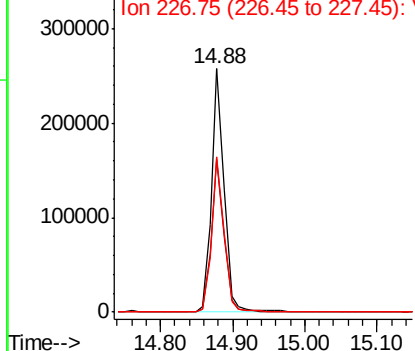


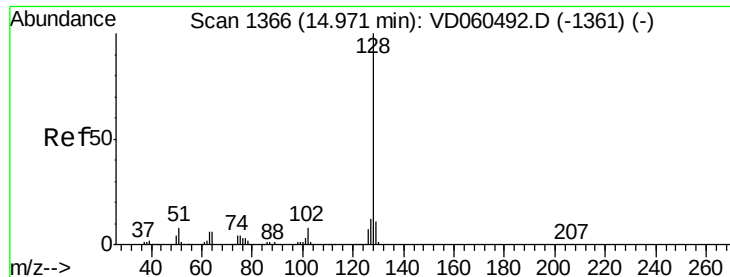
#94
Hexachlorobutadiene
Concen: 21.662 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion:225 Resp: 310272
Ion Ratio Lower Upper
225 100
223 63.0 31.2 93.6
227 63.6 32.0 96.0



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

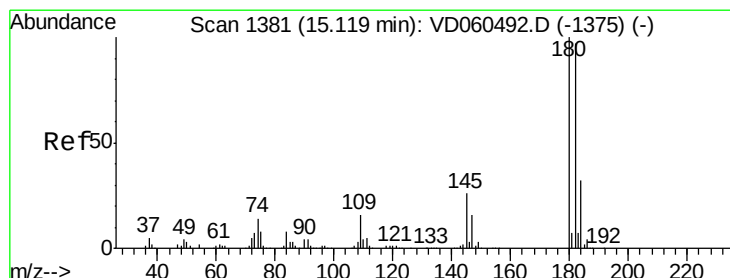
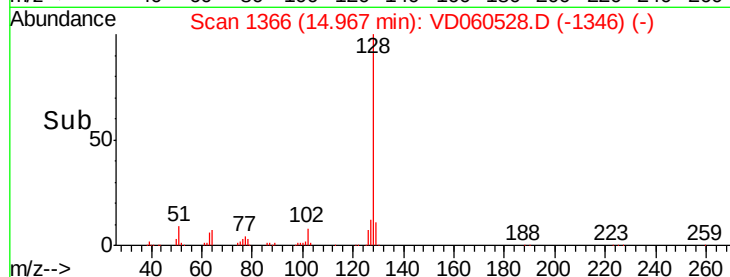
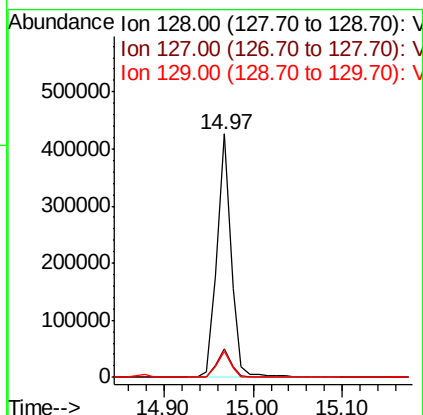
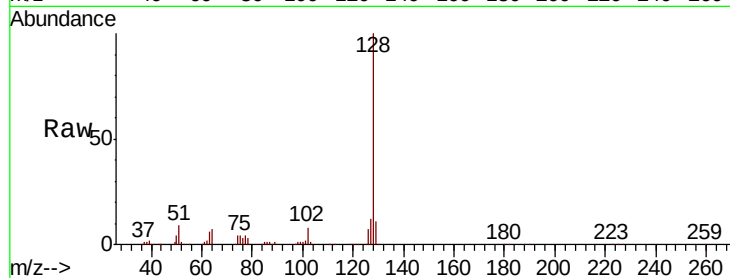




#95
Naphthalene
Concen: 20.728 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion:128 Resp: 478736
Ion Ratio Lower Upper
128 100
127 11.7 9.8 14.8
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.589 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VD060528.D
Acq: 11 Dec 2018 11:45

Tgt Ion:180 Resp: 318492
Ion Ratio Lower Upper
180 100
182 95.7 48.5 145.5
145 26.2 12.9 38.7

