

Data File : VD060495.D
Acq On : 5 Dec 2018 16:30
Operator : VA/AP
Sample : VSTDICC150
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Quant Time: Dec 06 00:46:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 00:38:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1695515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2423915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1847807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	884564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	1587818	131.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	262.22%	
35) Dibromofluoromethane	6.33	113	2369262	132.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	264.62%	
50) Toluene-d8	9.46	98	6879980	130.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.68%	
62) 4-Bromofluorobenzene	12.43	95	2350613	123.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	247.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	2236116	142.918	ug/l	100
3) Chloromethane	1.78	50	2366352	145.654	ug/l	98
4) Vinyl Chloride	1.87	62	1930459	145.828	ug/l	98
5) Bromomethane	2.15	94	242966	76.239	ug/l	98
6) Chloroethane	2.26	64	376972	86.646	ug/l	95
7) Trichlorofluoromethane	2.52	101	1897844	121.385	ug/l	99
8) Diethyl Ether	2.84	74	392089	139.557	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.10	101	1290314	127.164	ug/l	99
10) Methyl Iodide	3.25	142	1719314	131.296	ug/l	95
11) Tert butyl alcohol	4.00	59	368119	742.081	ug/l	98
12) 1,1-Dichloroethene	3.09	96	1049969	127.107	ug/l	98
13) Acrolein	3.00	56	360874	622.763	ug/l	90
14) Allyl chloride	3.55	41	2163622	136.369	ug/l	98
15) Acrylonitrile	4.10	53	1928755	666.298	ug/l	96
16) Acetone	3.17	43	1373827	655.274	ug/l	98
17) Carbon Disulfide	3.32	76	3757094	140.059	ug/l	99
18) Methyl Acetate	3.57	43	603517	132.894	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	3315493	134.509	ug/l	99
20) Methylene Chloride	3.74	84	2433403	129.187	ug/l	94
21) trans-1,2-Dichloroethene	4.11	96	2528537	137.168	ug/l	97
22) Diisopropyl ether	4.87	45	7822580	132.620	ug/l	98
23) Vinyl Acetate	4.82	43	19145002	649.911	ug/l	99
24) 1,1-Dichloroethane	4.77	63	4072595	134.173	ug/l	99
25) 2-Butanone	5.64	43	2746744	637.329	ug/l	99
26) 2,2-Dichloropropane	5.60	77	3058371	130.236	ug/l	97
27) cis-1,2-Dichloroethene	5.61	96	2606537	136.329	ug/l	97
28) Bromochloromethane	5.93	49	1766321	131.896	ug/l	97
29) Tetrahydrofuran	5.96	42	1518501	660.971	ug/l	97
30) Chloroform	6.11	83	4192592	138.149	ug/l	100
31) Cyclohexane	6.37	56	3556765	123.082	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	3451232	135.406	ug/l	98
36) 1,1-Dichloropropene	6.53	75	2974197	124.123	ug/l	97
37) Ethyl Acetate	5.71	43	1506500	137.277	ug/l #	99
38) Carbon Tetrachloride	6.51	117	2785109	125.997	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	3542088	128.890	ug/l	99
40) Benzene	6.81	78	7835681	128.510	ug/l	99
41) Methacrylonitrile	5.96	41	1646196	145.118	ug/l #	68
42) 1,2-Dichloroethane	6.90	62	2183098	137.601	ug/l	98
43) Isopropyl Acetate	8.35	43	1973842	144.408	ug/l #	98
44) Trichloroethene	7.74	130	2539606	137.294	ug/l	100
45) 1,2-Dichloropropane	8.11	63	2107236	137.362	ug/l	99
46) Dibromomethane	8.22	93	1226793	136.282	ug/l	96
47) Bromodichloromethane	8.50	83	2917076	138.089	ug/l	99
48) Methyl methacrylate	8.25	41	1107832	132.885	ug/l	98
49) 1,4-Dioxane	8.24	88	213702	2934.535	ug/l #	88
51) 4-Methyl-2-Pentanone	9.35	43	5700541	639.955	ug/l	98
52) Toluene	9.55	92	4984938	128.129	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	2481763	139.676	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	3167455	137.846	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	1469223	130.413	ug/l	99
56) Ethyl methacrylate	10.03	69	1456653	141.595	ug/l	99
57) 1,3-Dichloropropane	10.39	76	2343752	137.052	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	3736664	603.673	ug/l	96
59) 2-Hexanone	10.50	43	4092803	648.278	ug/l	98
60) Dibromochloromethane	10.64	129	1957946	143.211	ug/l	100
61) 1,2-Dibromoethane	10.76	107	1614446	143.245	ug/l	99
64) Tetrachloroethene	10.26	164	2230887	134.861	ug/l	98
65) Chlorobenzene	11.31	112	5158508	129.225	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	1499024	114.829	ug/l	97
67) Ethyl Benzene	11.43	91	7061420	103.031	ug/l	98
68) m/p-Xylenes	11.57	106	5190544	205.821	ug/l	96
69) o-Xylene	11.93	106	2828361	116.205	ug/l	100
70) Styrene	11.96	104	4508652	114.033	ug/l	98
71) Bromoform	12.12	173	1345650	152.897	ug/l	98
73) Isopropylbenzene	12.28	105	7651317	118.317	ug/l	100
74) N-amyl acetate	12.14	43	2409094	146.154	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	1503571	143.652	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	1496008	141.977	ug/l	99
77) Bromobenzene	12.54	156	2226617	130.229	ug/l	98
78) n-propylbenzene	12.64	91	9014340	112.403	ug/l	96
79) 2-Chlorotoluene	12.71	91	5542276	125.543	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	5332156	106.980	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.35	75	464917	154.882	ug/l	97
82) 4-Chlorotoluene	12.82	91	5248824	106.235	ug/l	99
83) tert-Butylbenzene	13.05	119	6440303	116.062	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	5776277	115.676	ug/l	98
85) sec-Butylbenzene	13.22	105	7977894	117.752	ug/l	100
86) p-Isopropyltoluene	13.35	119	5944520	109.119	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	3639153	119.751	ug/l	93
88) 1,4-Dichlorobenzene	13.40	146	3528993	119.137	ug/l	97
89) n-Butylbenzene	13.65	91	5384876	96.589	ug/l	98
90) Hexachloroethane	13.86	117	1874404	143.021	ug/l	98
91) 1,2-Dichlorobenzene	13.67	146	2402985	96.469	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	204923	162.689	ug/l	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120518\
Quantitation Report (Not Reviewed)

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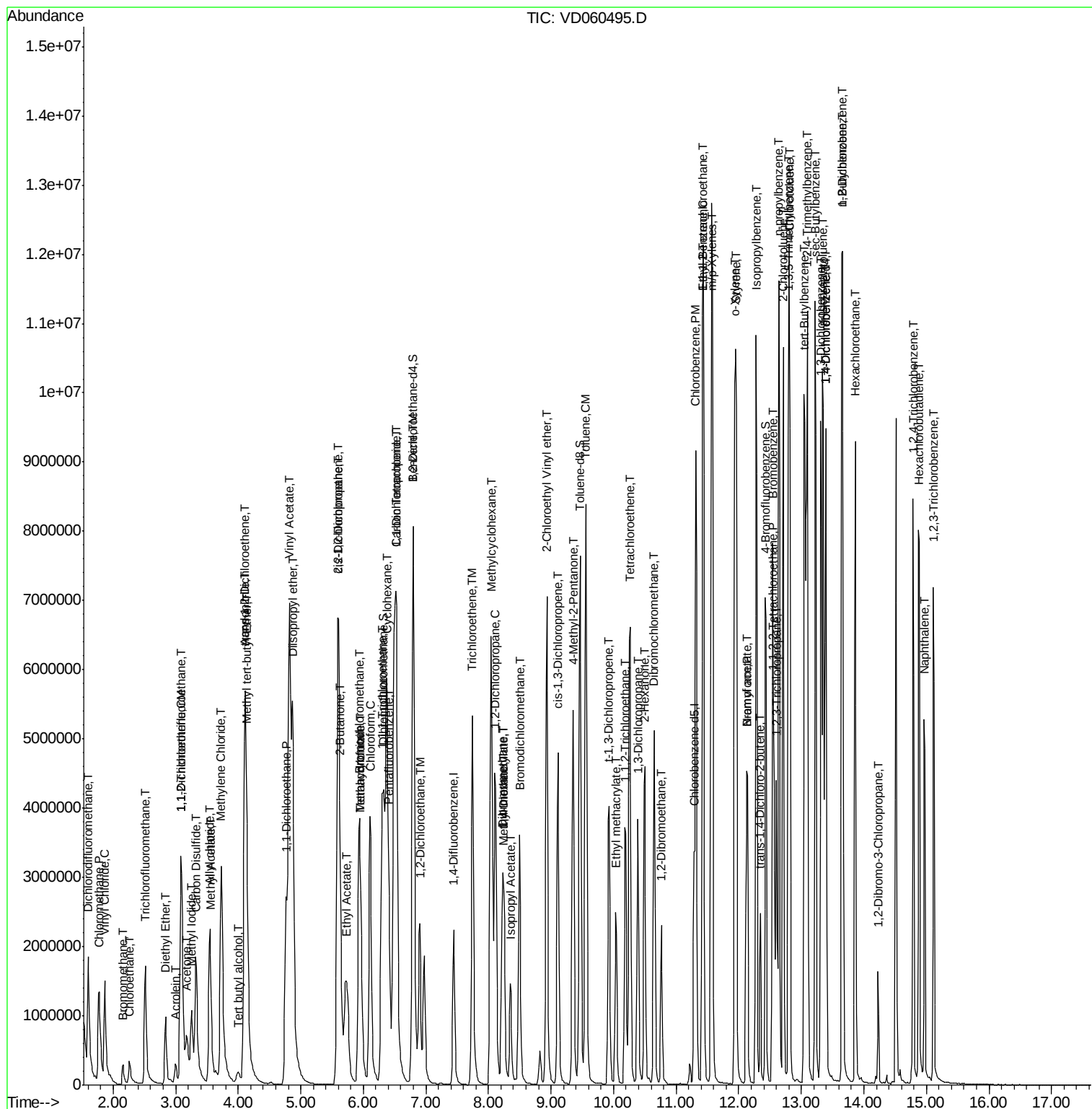
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	2491128	126.253	ug/l	97
94) Hexachlorobutadiene	14.89	225	1764508	120.059	ug/l	98
95) Naphthalene	14.97	128	3606175	148.898	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	2184341	138.531	ug/l	97

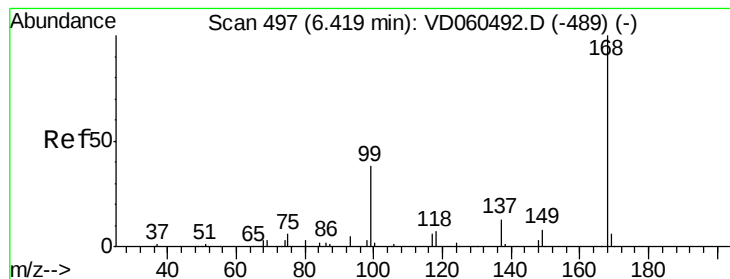
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Client Sample ID :
VSTDIC150

Quant Time: Dec 06 00:46:20 2018
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Quant Title : SW846 8260
QLast Update : Thu Dec 06 00:38:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

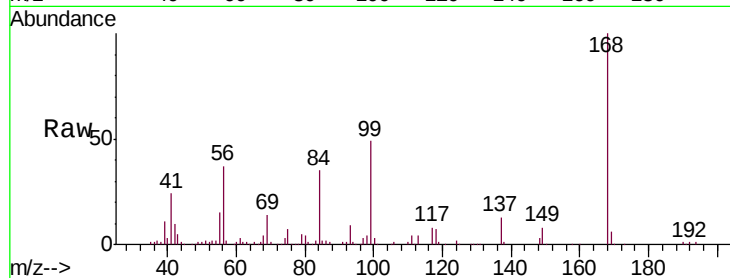
VSTDIC150

Tgt Ion:168 Resp: 1695515

Ion Ratio Lower Upper

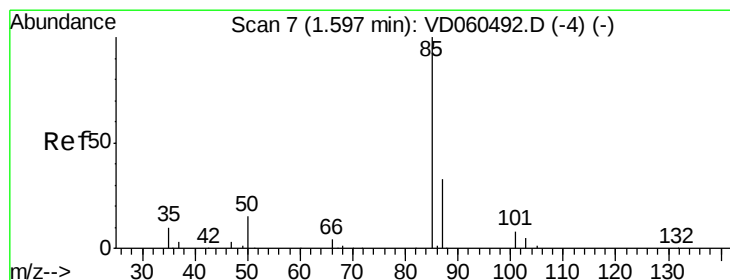
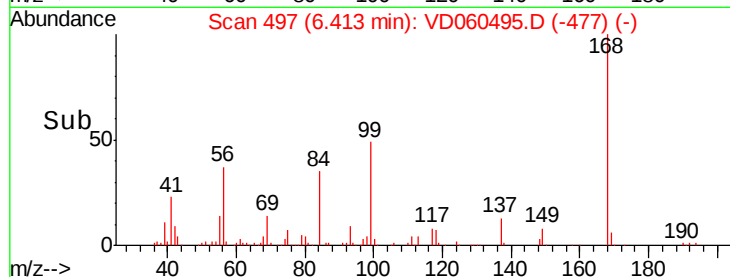
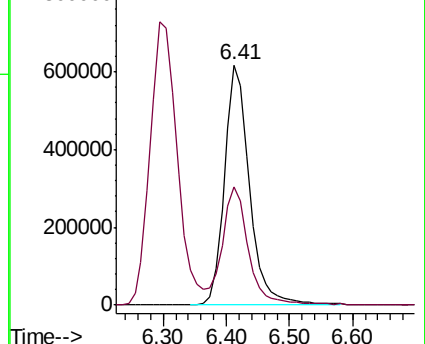
168 100

99 49.4 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 142.918 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060495.D

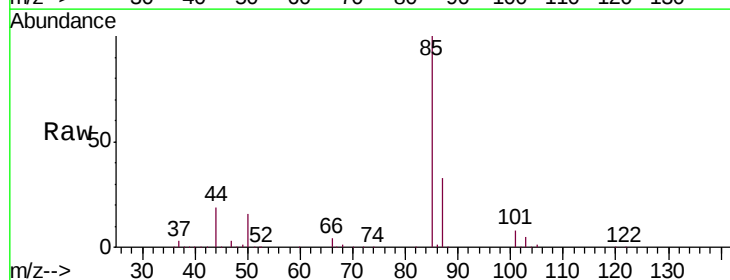
Acq: 5 Dec 2018 16:30

Tgt Ion: 85 Resp: 2236116

Ion Ratio Lower Upper

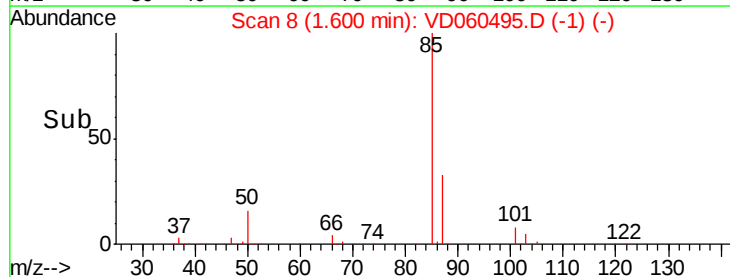
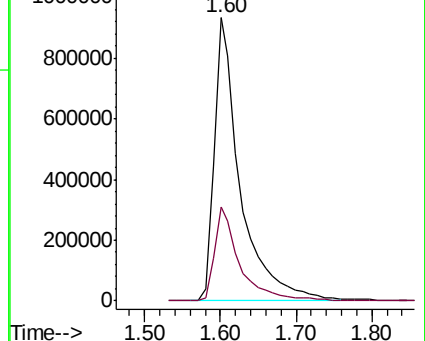
85 100

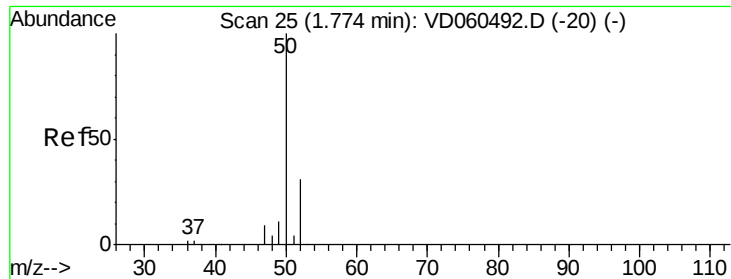
87 33.1 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 145.654 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

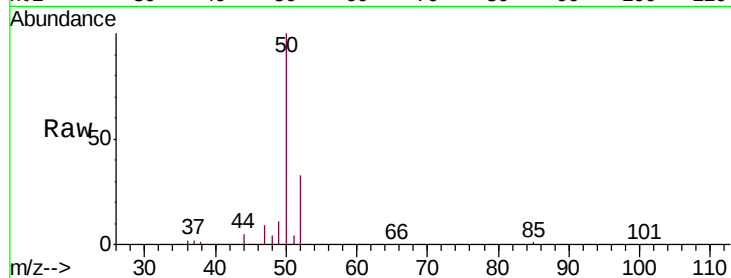
VSTDIC150

Tgt Ion: 50 Resp: 2366352

Ion Ratio Lower Upper

50 100

52 32.5 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.78

800000

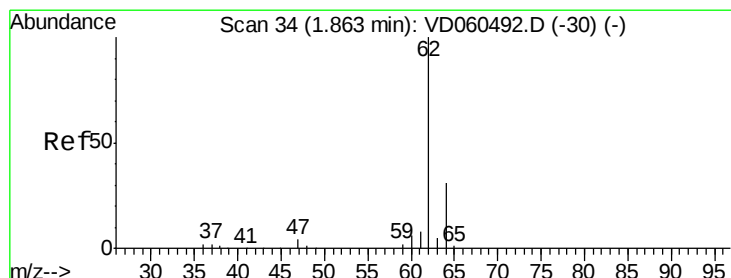
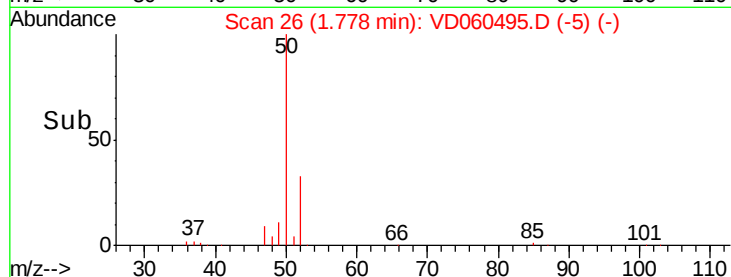
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 145.828 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060495.D

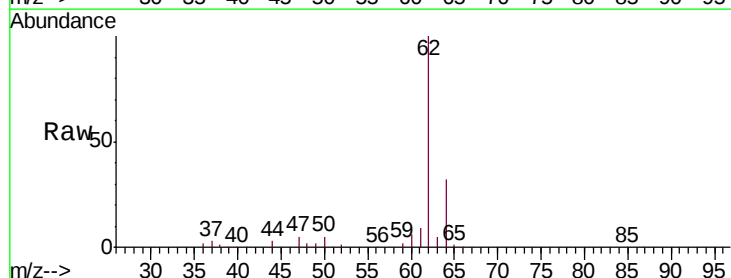
Acq: 5 Dec 2018 16:30

Tgt Ion: 62 Resp: 1930459

Ion Ratio Lower Upper

62 100

64 31.7 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

1000000

800000

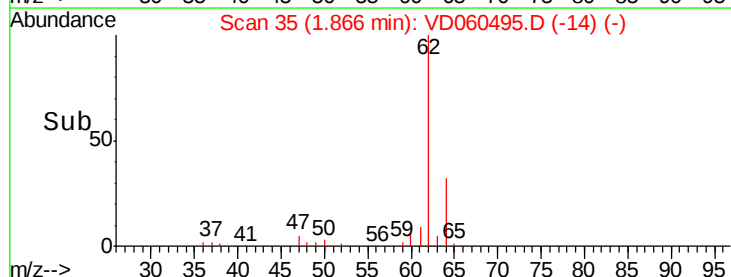
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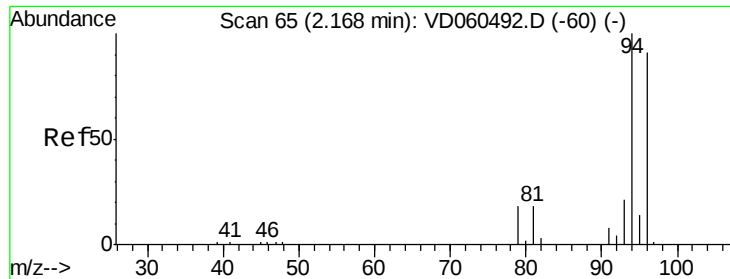
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200000

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Time-->

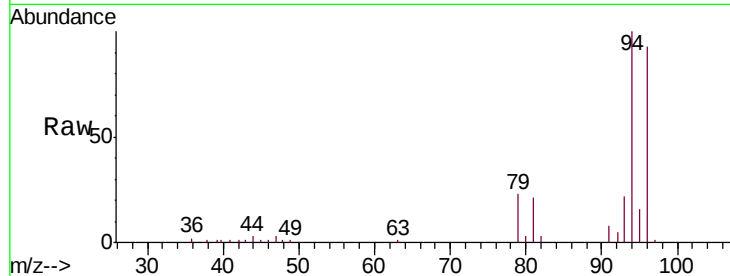




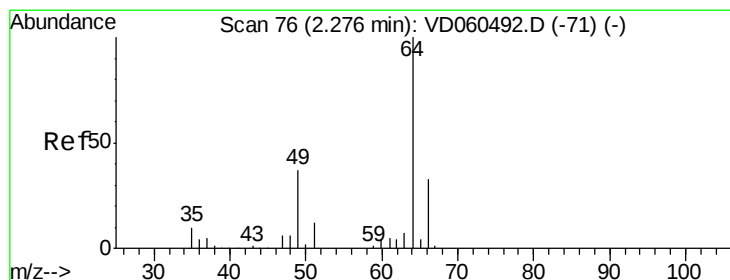
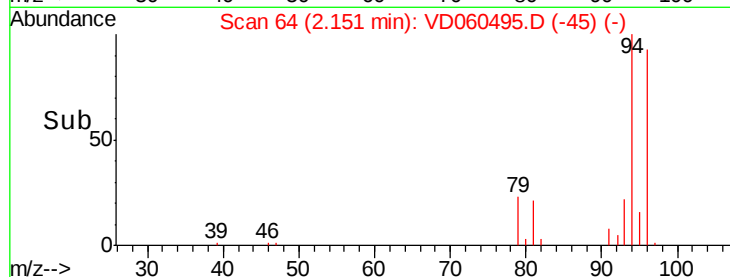
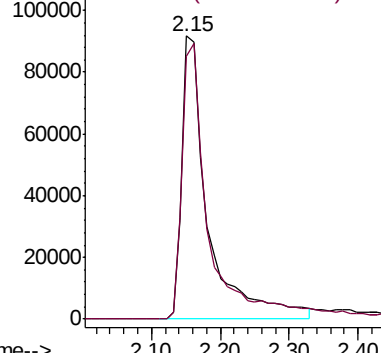
#5
Bromomethane
Concen: 76.239 ug/l
RT: 2.15 min Scan# 64
Delta R.T. -0.02 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
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ClientSampleId :
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Tgt Ion: 94 Resp: 242966
Ion Ratio Lower Upper
94 100
96 92.8 72.6 108.8

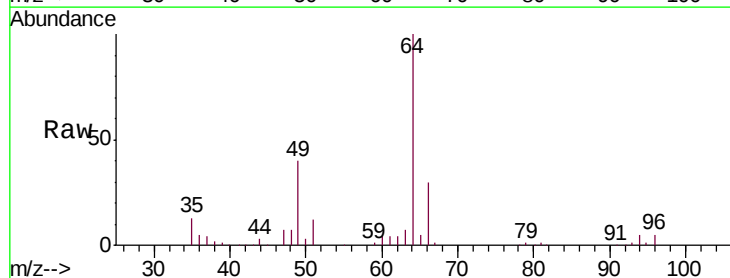


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

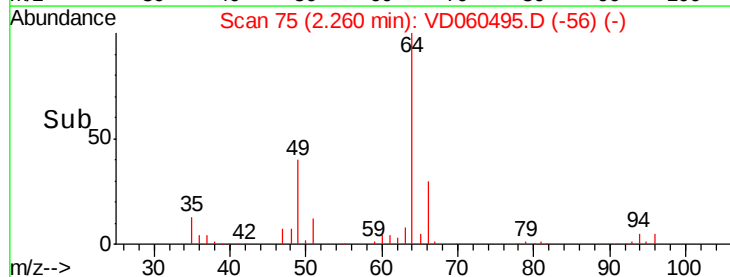
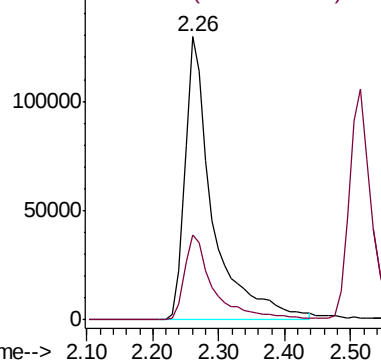


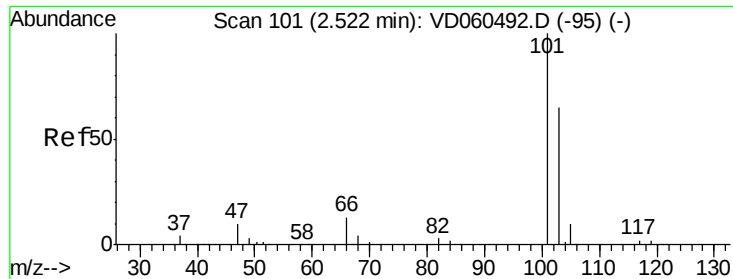
#6
Chloroethane
Concen: 86.646 ug/l
RT: 2.26 min Scan# 75
Delta R.T. -0.02 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 64 Resp: 376972
Ion Ratio Lower Upper
64 100
66 30.0 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



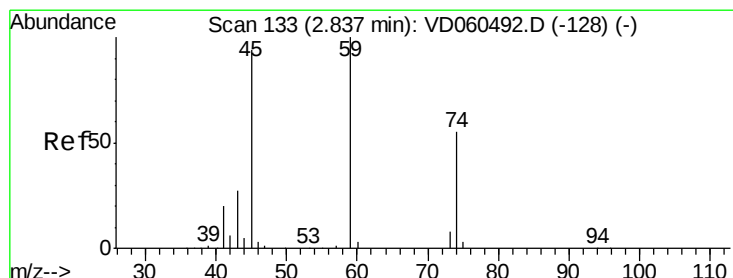
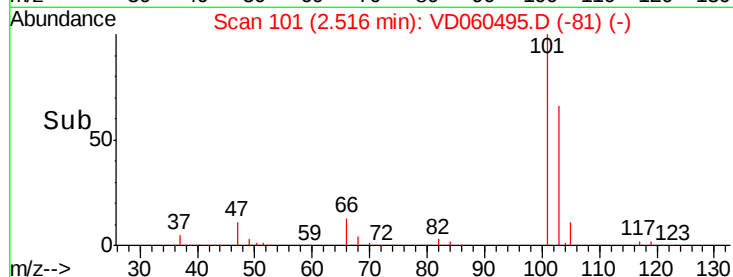
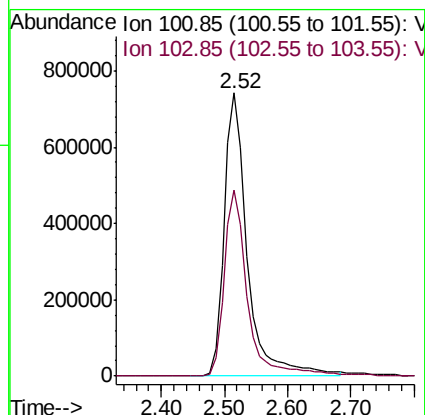
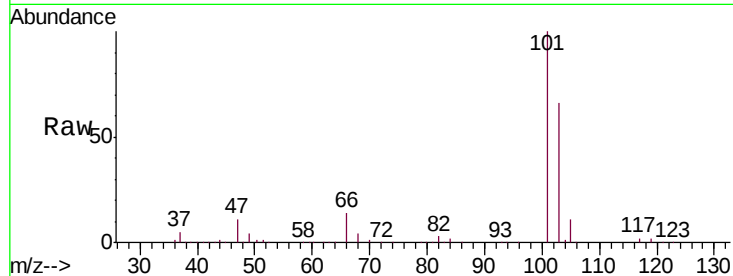


#7

Trichlorofluoromethane
Concen: 121.385 ug/l
RT: 2.52 min Scan# 101
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
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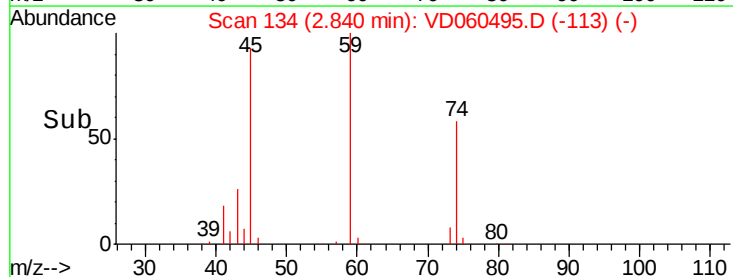
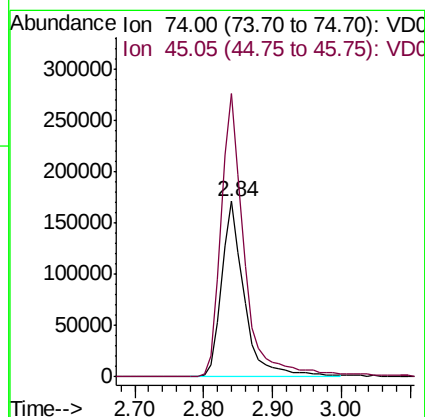
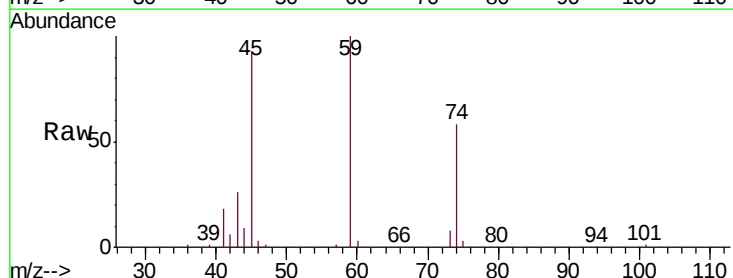
Tgt Ion:101 Resp: 1897844
Ion Ratio Lower Upper
101 100
103 65.7 51.8 77.8

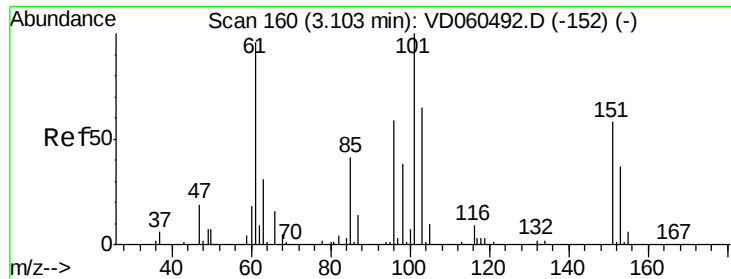


#8

Diethyl Ether
Concen: 139.557 ug/l
RT: 2.84 min Scan# 134
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 74 Resp: 392089
Ion Ratio Lower Upper
74 100
45 161.2 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 127.164 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

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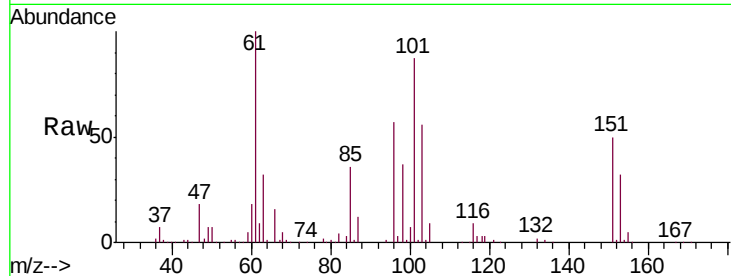
Tgt Ion:101 Resp: 1290314

Ion Ratio Lower Upper

101 100

85 41.5 32.7 49.1

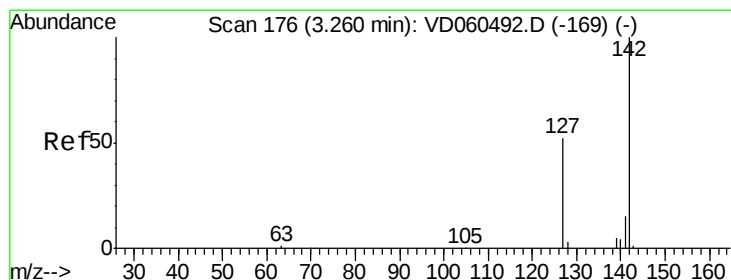
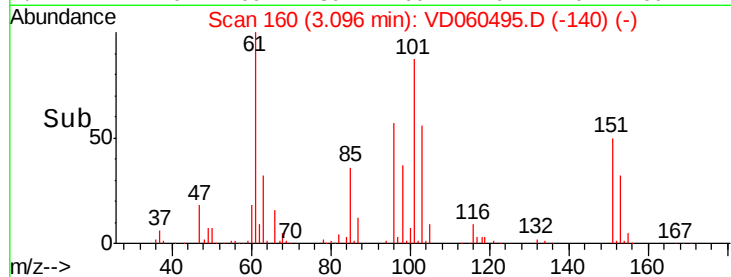
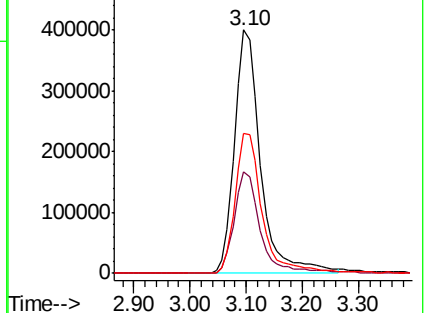
151 57.6 46.6 69.8



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: 131.296 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

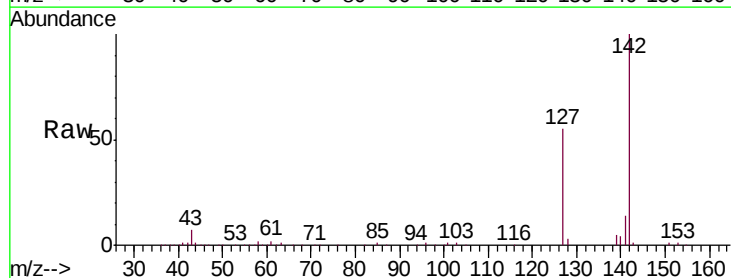
Tgt Ion:142 Resp: 1719314

Ion Ratio Lower Upper

142 100

127 55.5 41.2 61.8

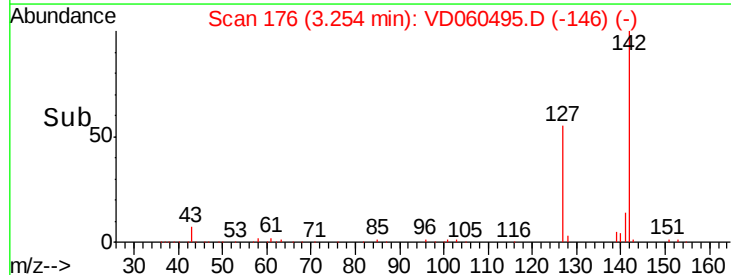
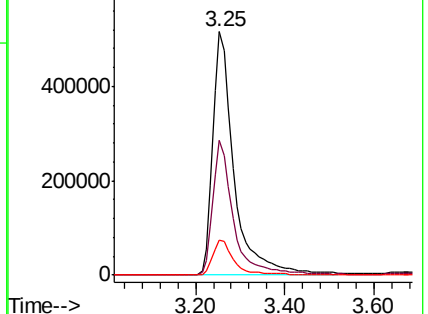
141 14.4 11.9 17.9

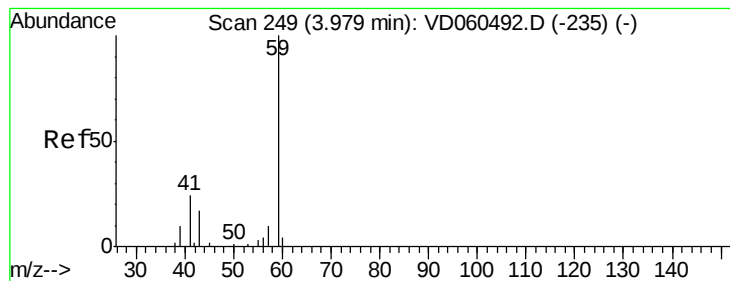


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



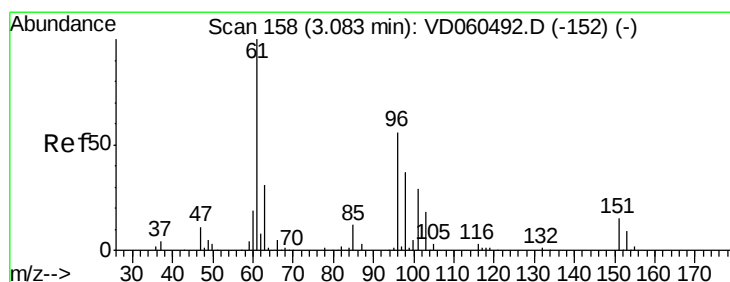
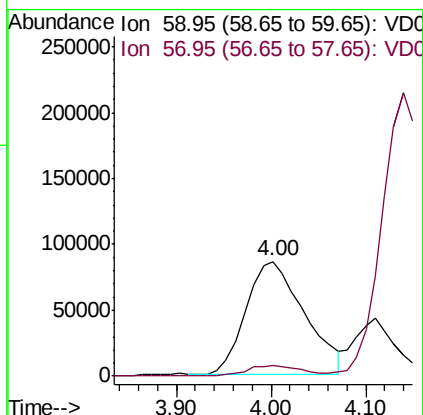
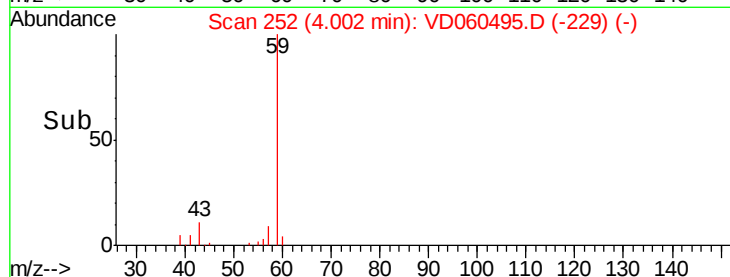
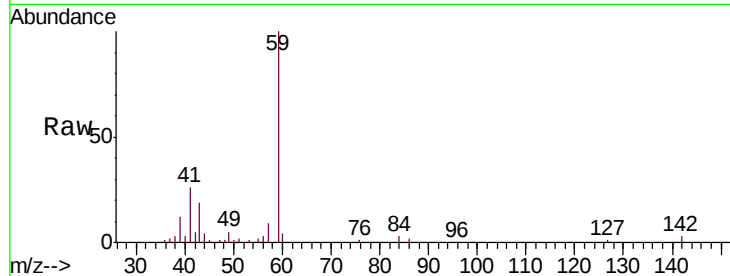


#11

Tert butyl alcohol
Concen: 742.081 ug/l
RT: 4.00 min Scan# 252
Delta R.T. 0.02 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

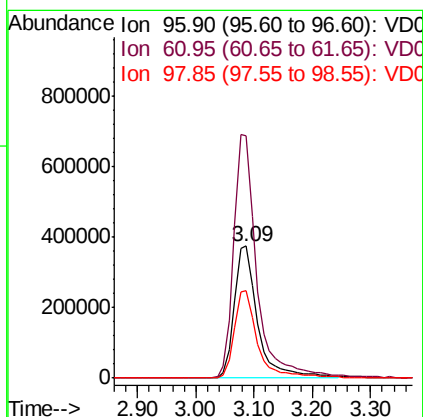
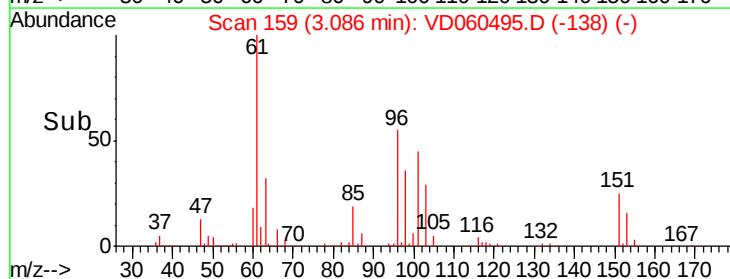
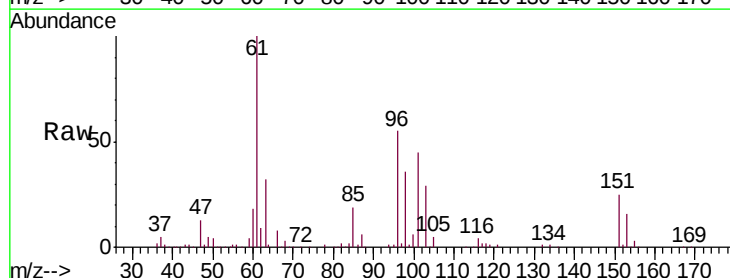
Tgt Ion: 59 Resp: 368119
Ion Ratio Lower Upper
59 100
57 9.4 8.1 12.1

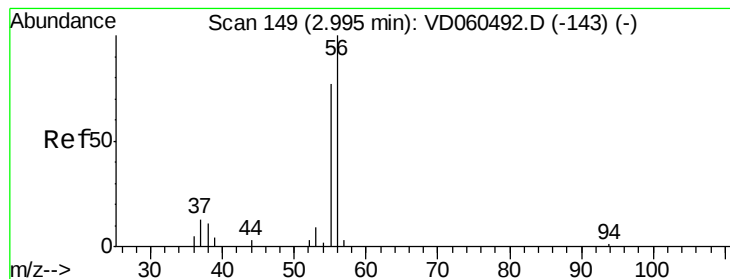


#12

1,1-Dichloroethene
Concen: 127.107 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 96 Resp: 1049969
Ion Ratio Lower Upper
96 100
61 183.2 143.0 214.4
98 66.3 53.4 80.0





#13

Acrolein

Concen: 622.763 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

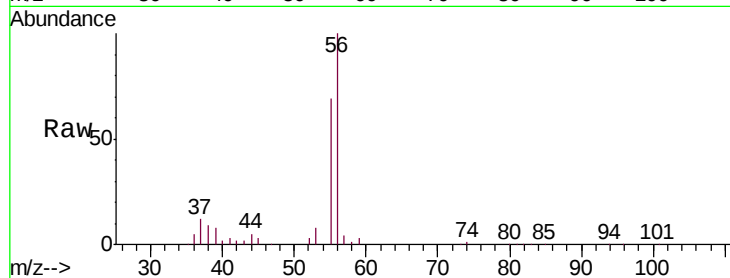
VSTDICC150

Tgt Ion: 56 Resp: 360874

Ion Ratio Lower Upper

56 100

55 69.0 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

150000

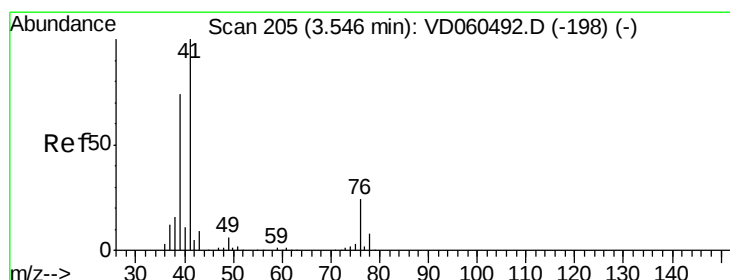
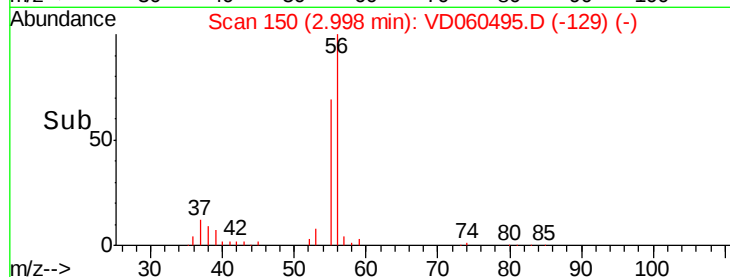
100000

50000

0

Time-->

2.80 2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 136.369 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

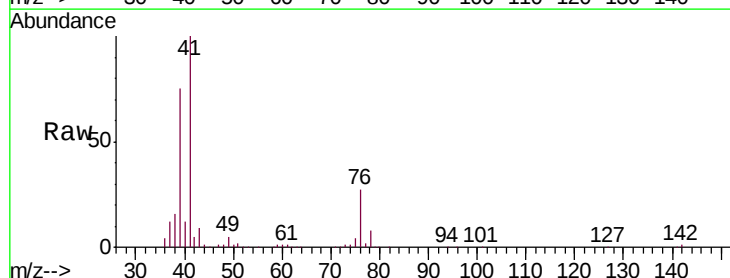
Tgt Ion: 41 Resp: 2163622

Ion Ratio Lower Upper

41 100

39 75.4 59.3 88.9

76 27.1 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

3.55

1000000

800000

600000

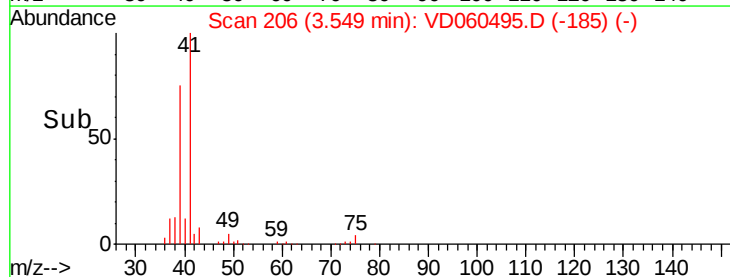
400000

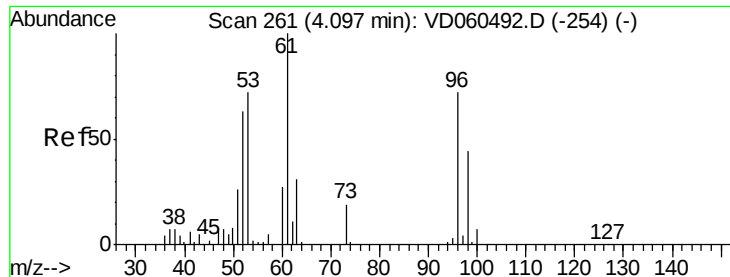
200000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 666.298 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

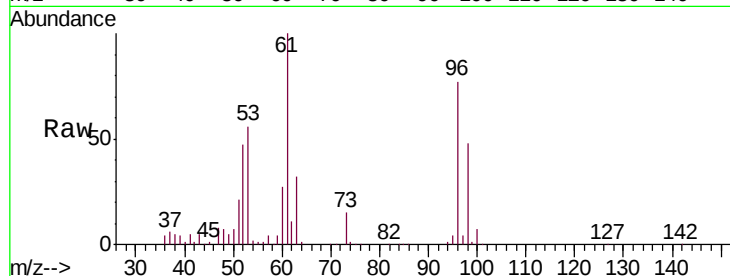
Tgt Ion: 53 Resp: 1928755

Ion Ratio Lower Upper

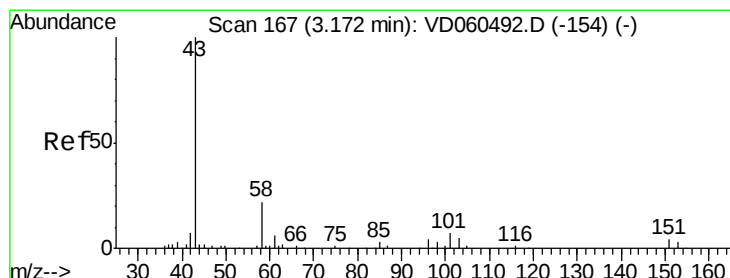
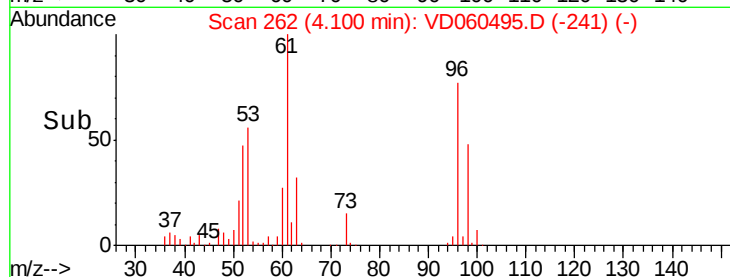
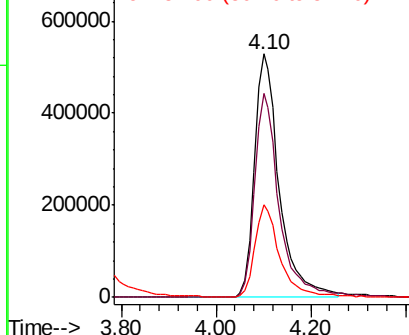
53 100

52 83.9 70.0 105.0

51 38.0 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: 655.274 ug/l

RT: 3.17 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060495.D

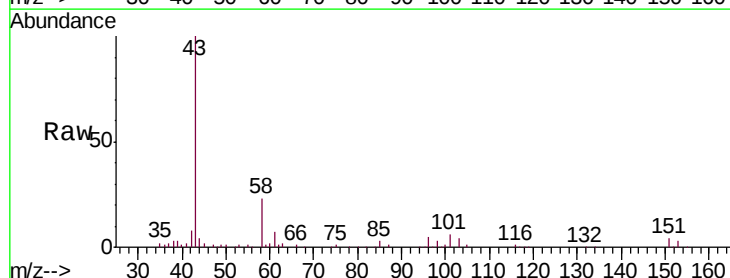
Acq: 5 Dec 2018 16:30

Tgt Ion: 43 Resp: 1373827

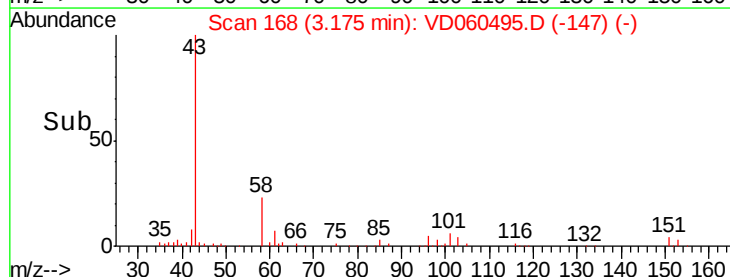
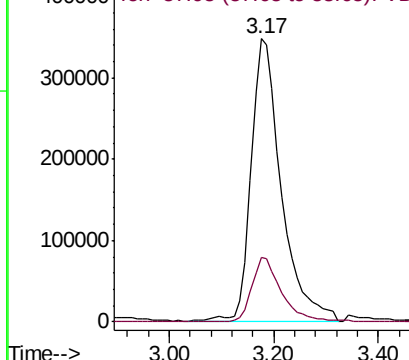
Ion Ratio Lower Upper

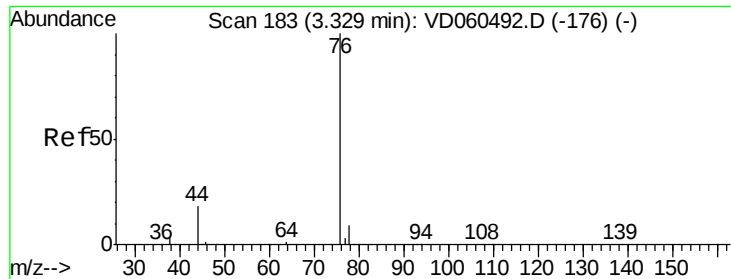
43 100

58 22.6 17.3 25.9



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

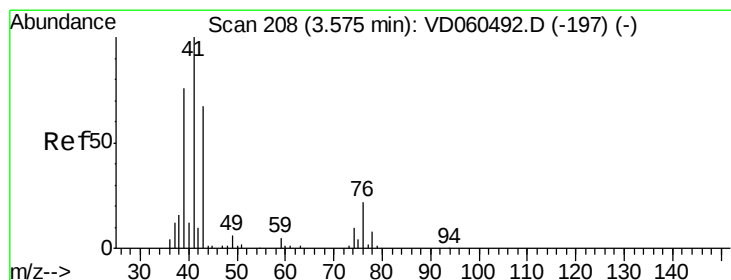
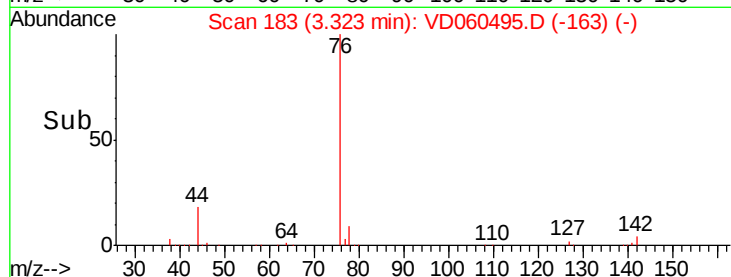
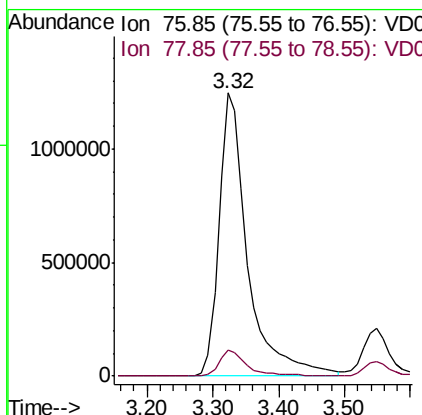
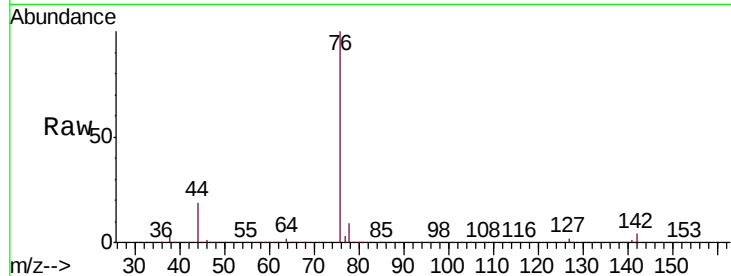




#17
Carbon Disulfide
Concen: 140.059 ug/l
RT: 3.32 min Scan# 183
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

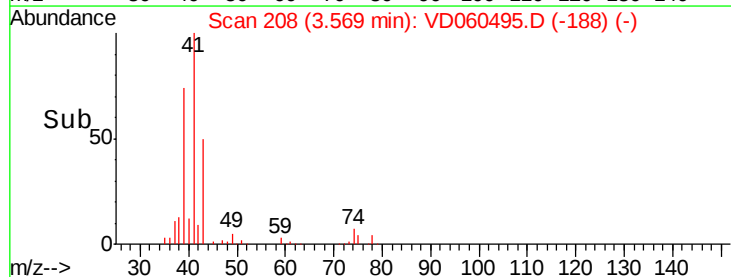
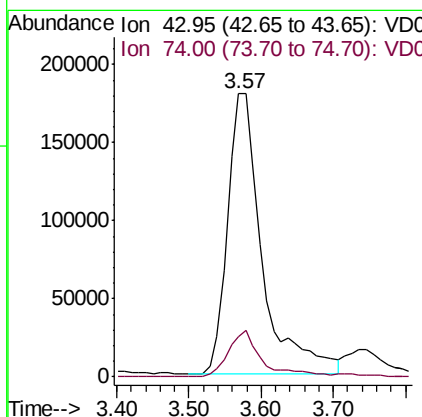
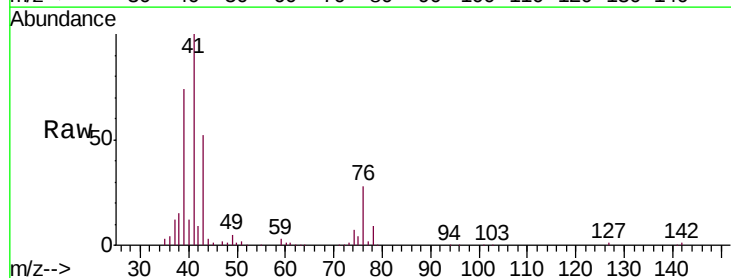
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

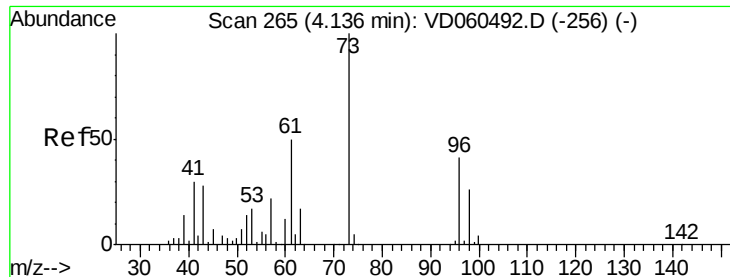
Tgt Ion: 76 Resp: 3757094
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 132.894 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 43 Resp: 603517
Ion Ratio Lower Upper
43 100
74 14.4 12.0 18.0

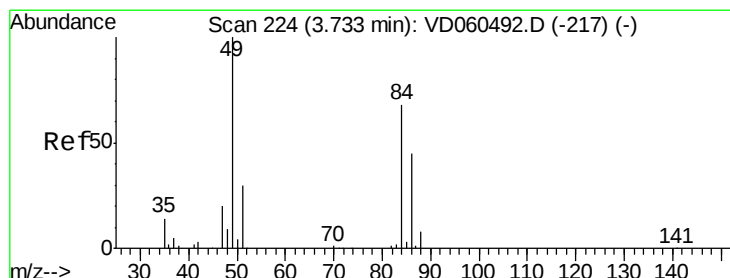
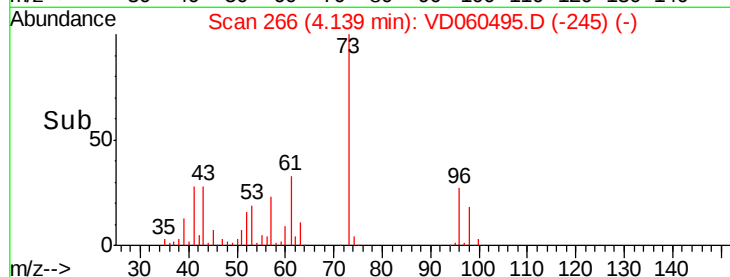
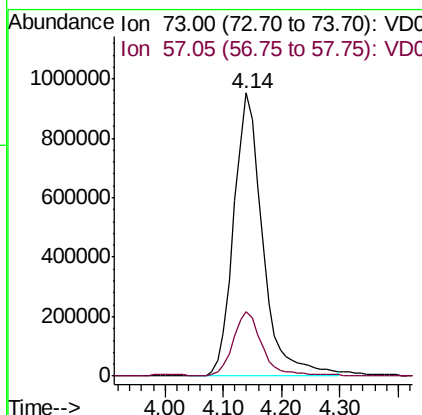
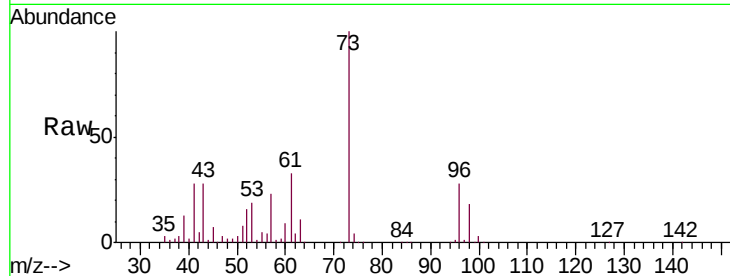




#19
Methyl tert-butyl Ether
Concen: 134.509 ug/l
RT: 4.14 min Scan# 266
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

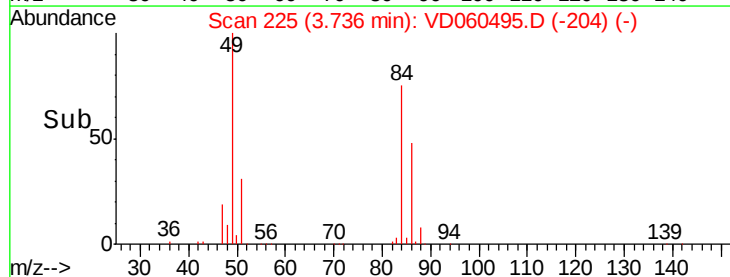
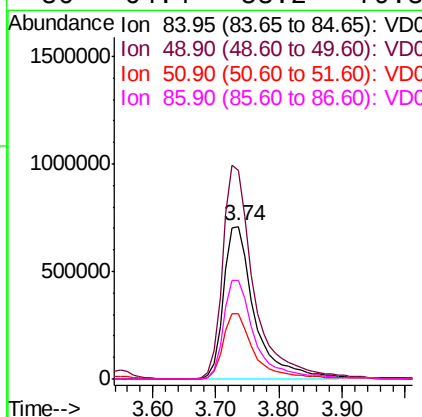
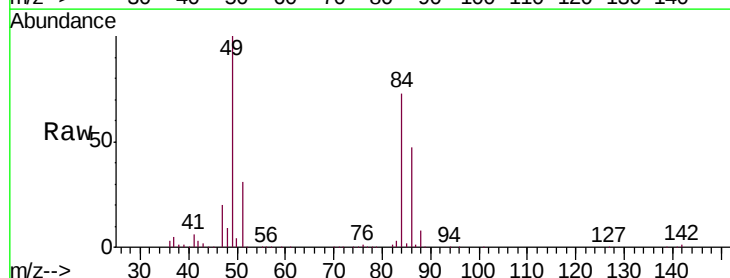
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

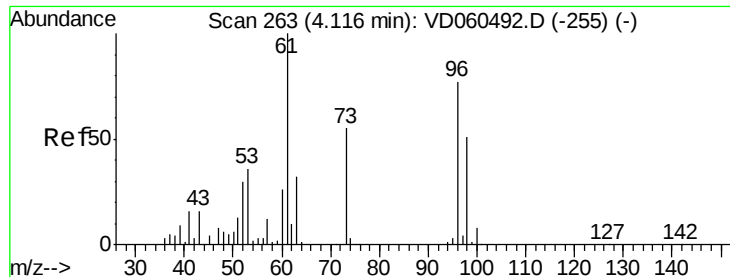
Tgt Ion: 73 Resp: 3315493
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.6



#20
Methylene Chloride
Concen: 129.187 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 84 Resp: 2433403
Ion Ratio Lower Upper
84 100
49 136.7 117.2 175.8
51 42.4 35.3 52.9
86 64.4 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 137.168 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

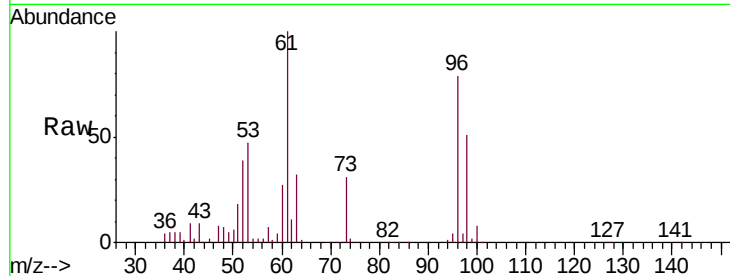
Tgt Ion: 96 Resp: 2528537

Ion Ratio Lower Upper

96 100

61 126.7 104.2 156.4

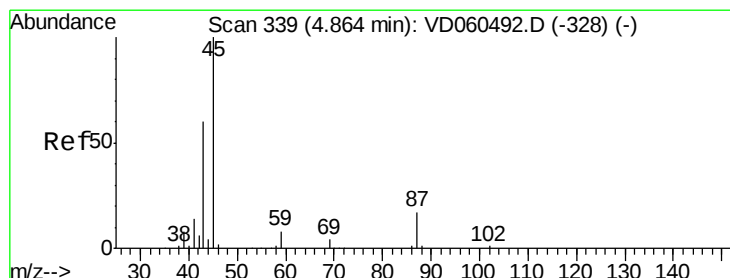
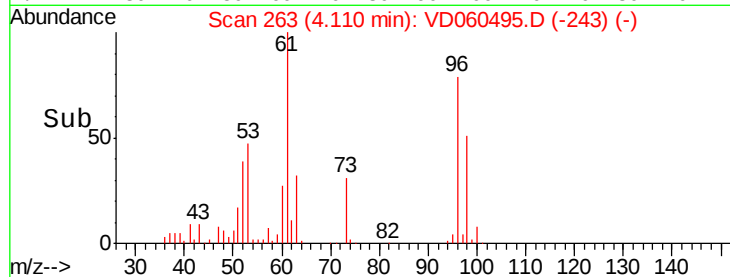
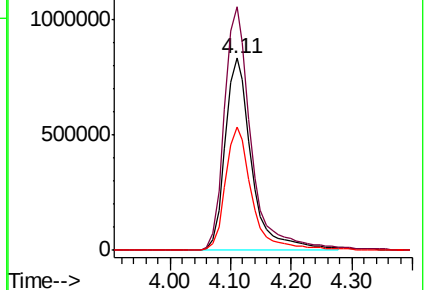
98 64.1 52.8 79.2



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: 132.620 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Tgt Ion: 45 Resp: 7822580

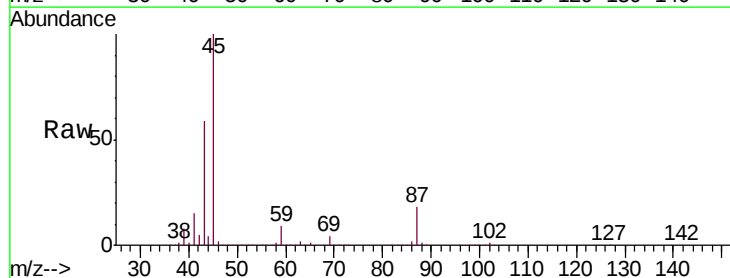
Ion Ratio Lower Upper

45 100

43 59.4 48.6 73.0

87 17.9 14.0 21.0

59 9.2 6.9 10.3

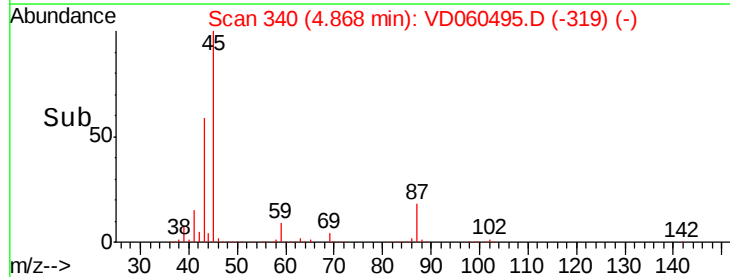
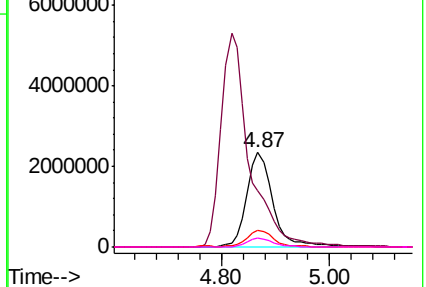


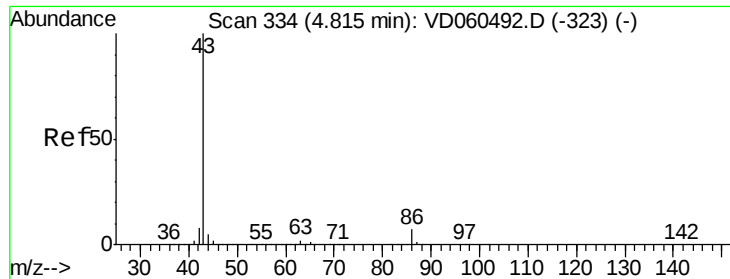
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 649.911 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

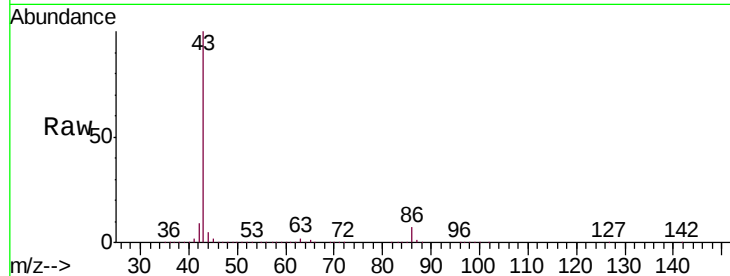
VSTDIC150

Tgt Ion: 43 Resp:19145002

Ion Ratio Lower Upper

43 100

86 7.1 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

6000000

5000000

4000000

3000000

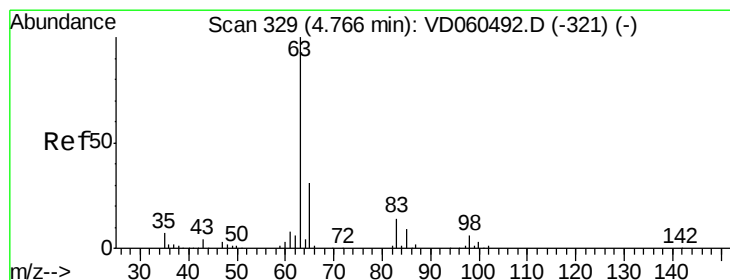
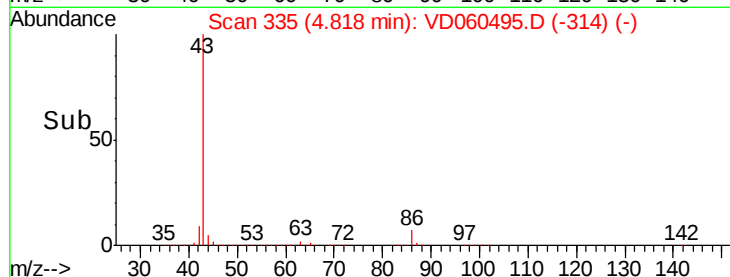
2000000

1000000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 134.173 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

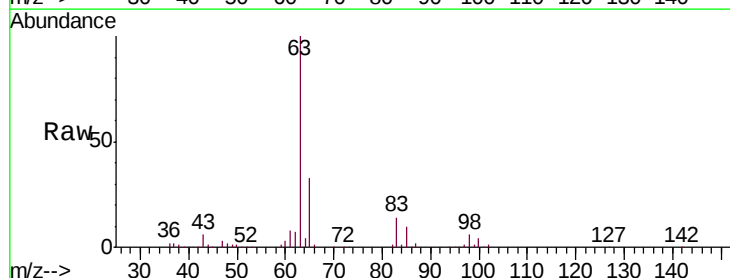
Tgt Ion: 63 Resp: 4072595

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 3.5 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

1500000

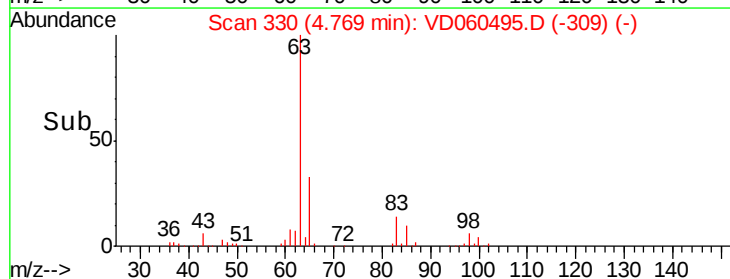
1000000

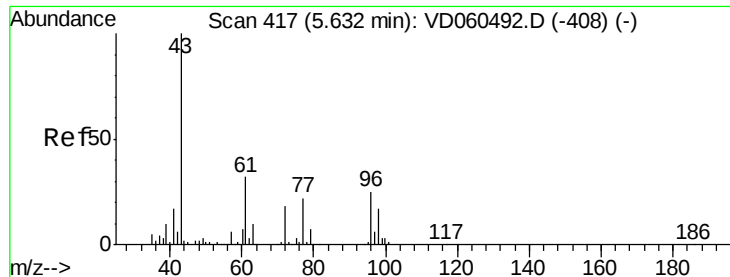
500000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 637.329 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

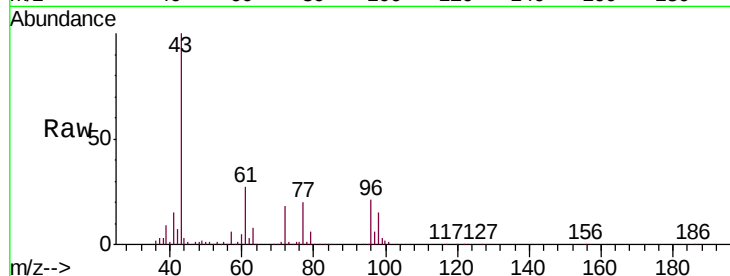
VSTDIC150

Tgt Ion: 43 Resp: 2746744

Ion Ratio Lower Upper

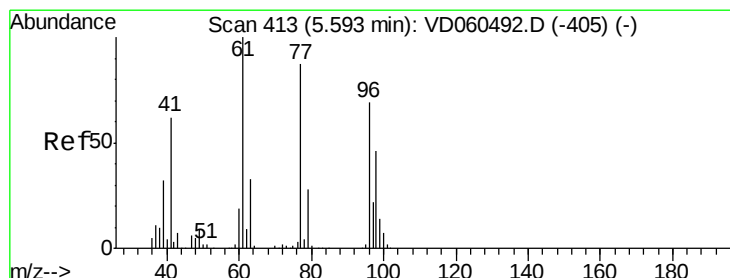
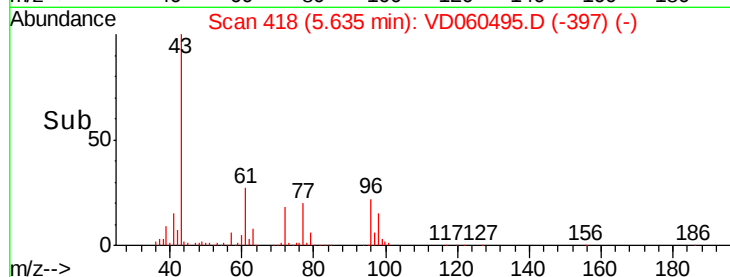
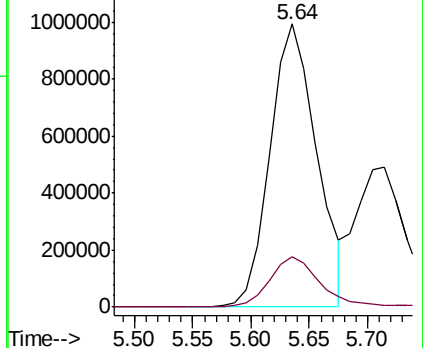
43 100

72 17.7 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: 130.236 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060495.D

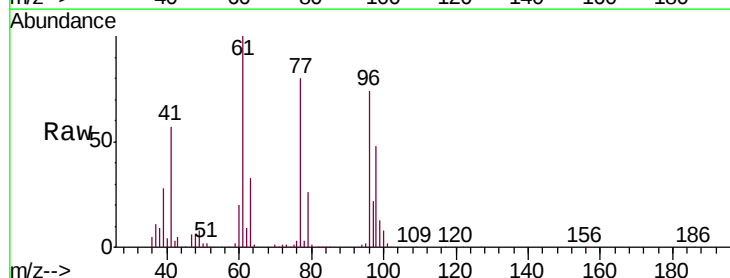
Acq: 5 Dec 2018 16:30

Tgt Ion: 77 Resp: 3058371

Ion Ratio Lower Upper

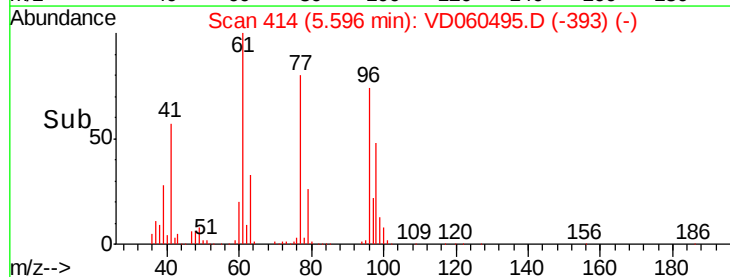
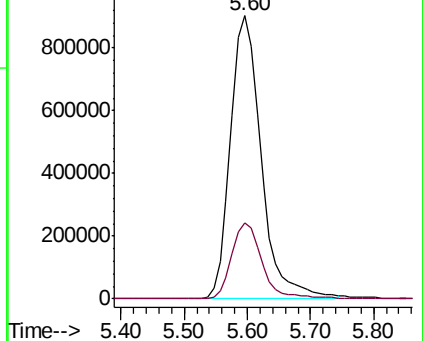
77 100

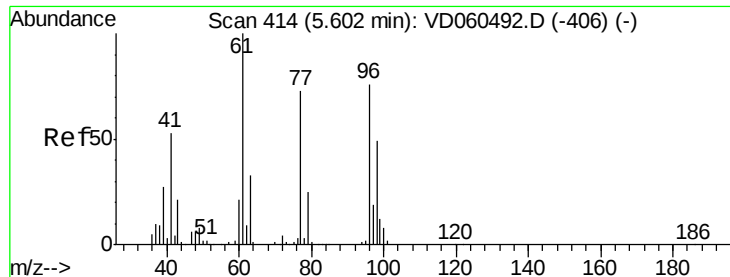
97 27.1 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



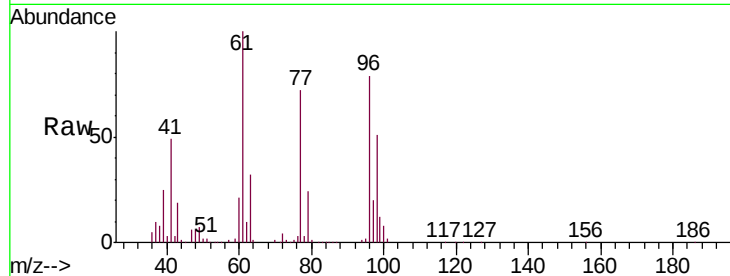


#27

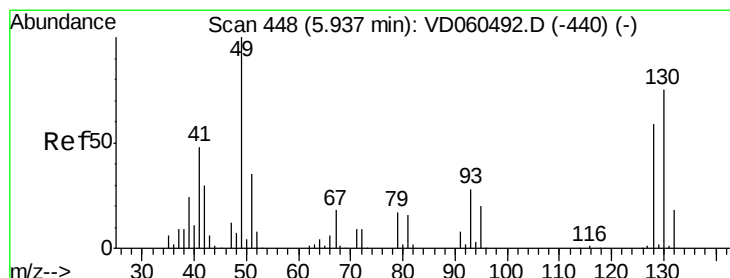
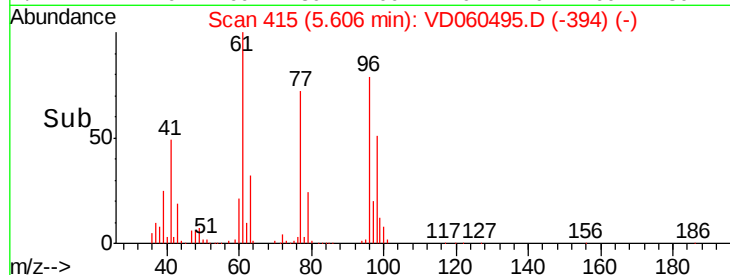
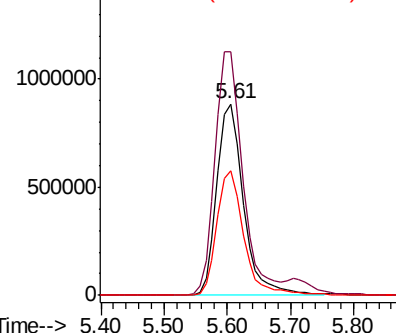
cis-1,2-Dichloroethene
Concen: 136.329 ug/l
RT: 5.61 min Scan# 415
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 2606537
Ion Ratio Lower Upper
96 100
61 127.0 0.0 263.6
98 65.2 0.0 128.2



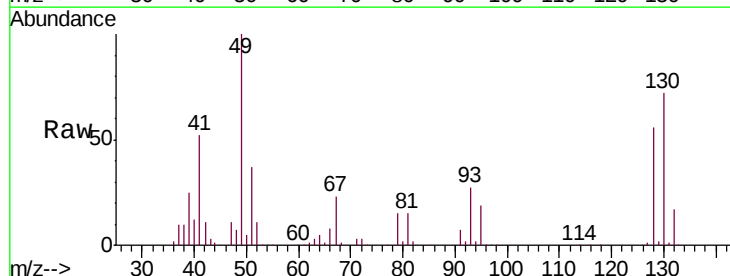
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



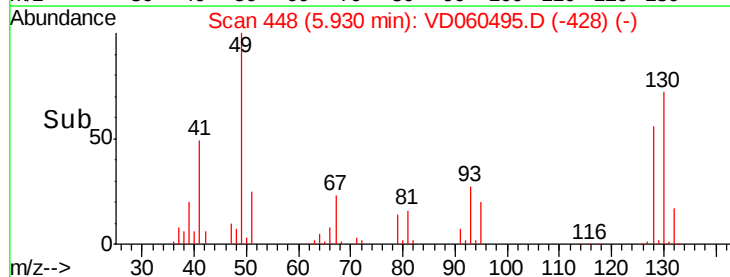
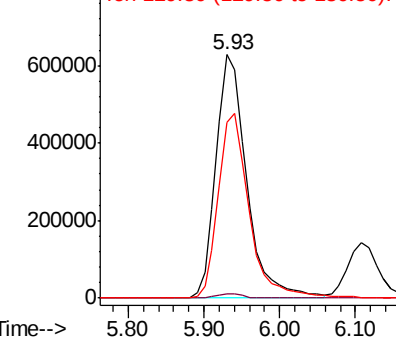
#28

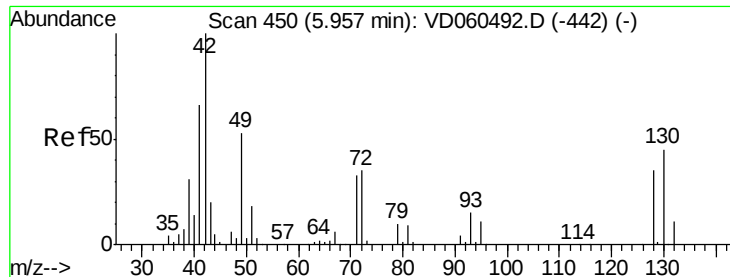
Bromochloromethane
Concen: 131.896 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 49 Resp: 1766321
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.4
130 72.3 59.8 89.6



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

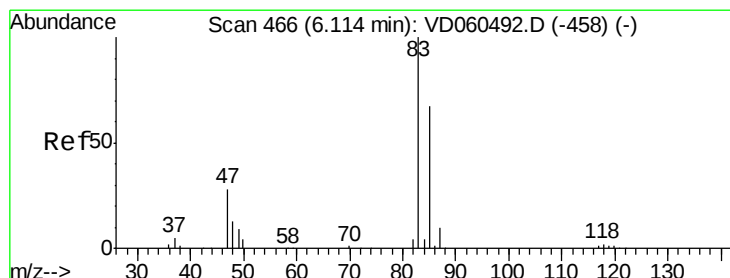
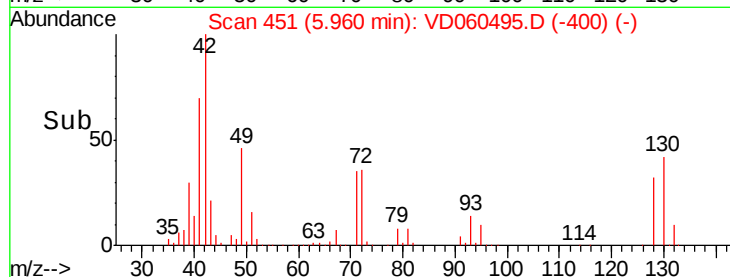
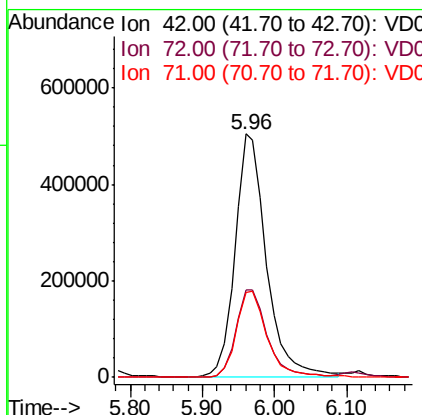
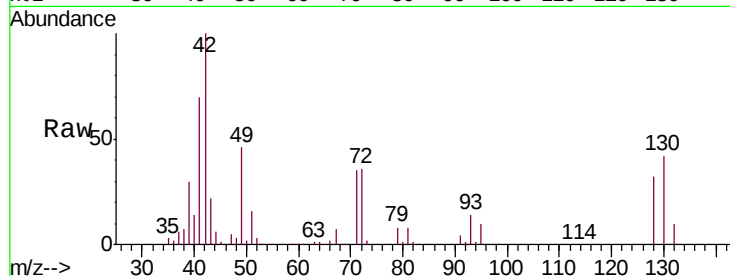




#29
Tetrahydrofuran
Concen: 660.971 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

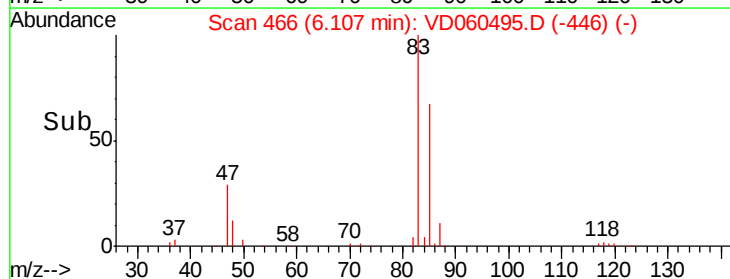
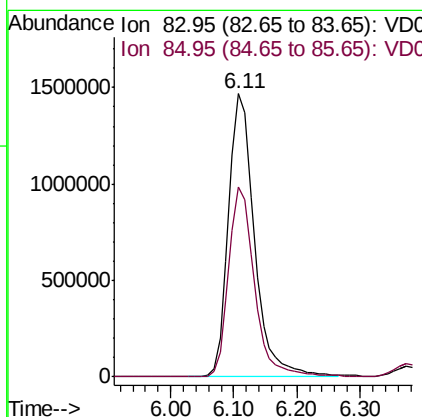
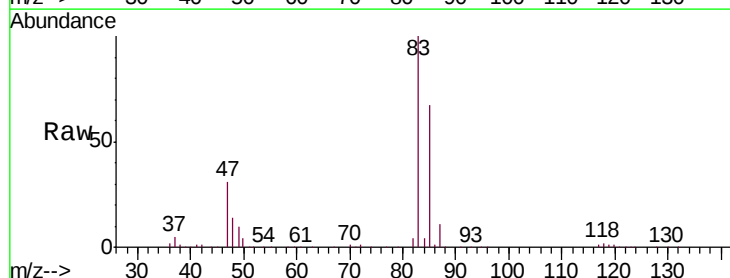
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

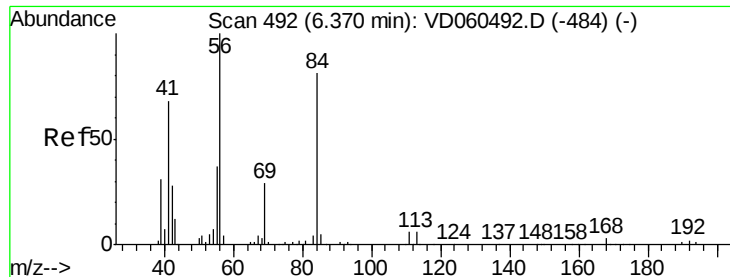
Tgt Ion: 42 Resp: 1518501
Ion Ratio Lower Upper
42 100
72 36.4 28.0 42.0
71 35.7 27.2 40.8



#30
Chloroform
Concen: 138.149 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 83 Resp: 4192592
Ion Ratio Lower Upper
83 100
85 67.1 53.4 80.2

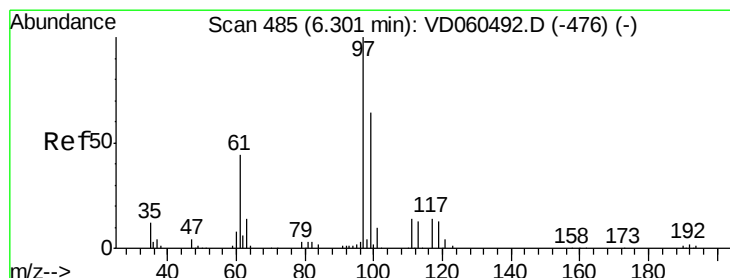
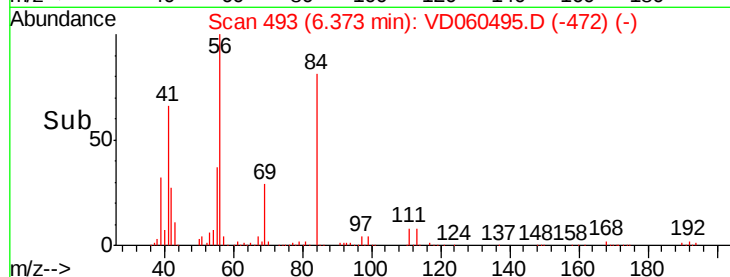
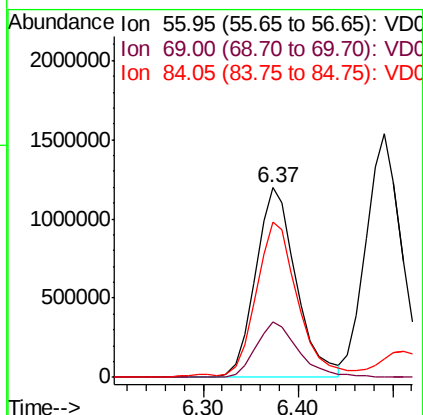
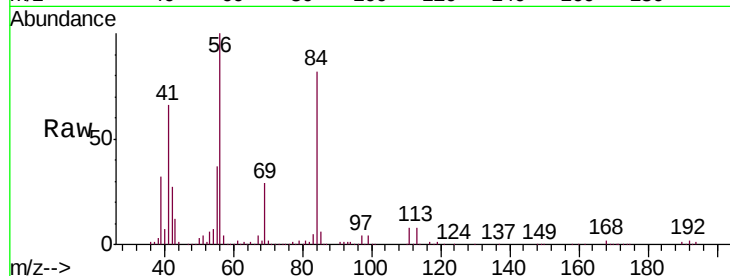




#31
Cyclohexane
Concen: 123.082 ug/l
RT: 6.37 min Scan# 493
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

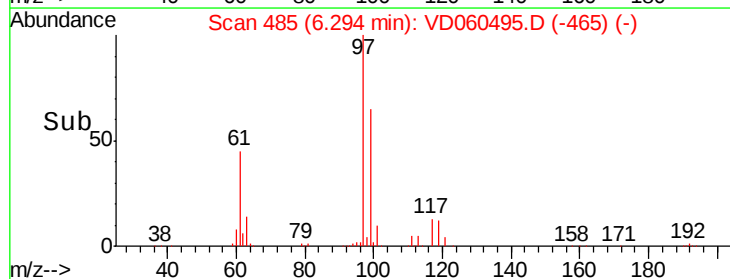
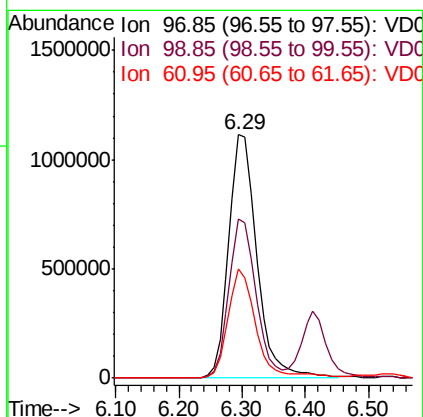
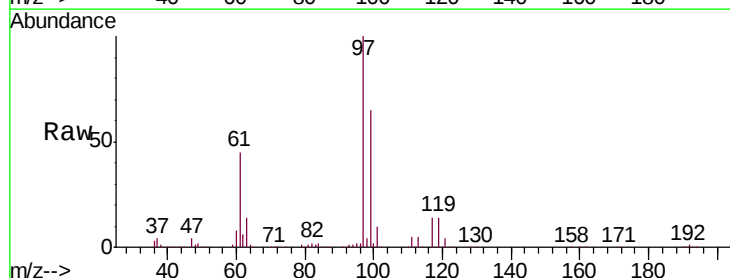
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

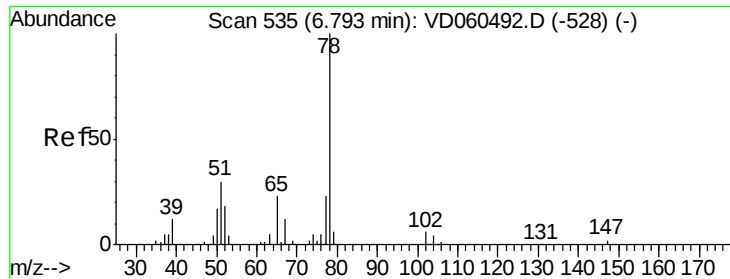
Tgt Ion: 56 Resp: 3556765
Ion Ratio Lower Upper
56 100
69 28.9 22.8 34.2
84 81.9 65.1 97.7



#32
1,1,1-Trichloroethane
Concen: 135.406 ug/l
RT: 6.29 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 97 Resp: 3451232
Ion Ratio Lower Upper
97 100
99 65.3 51.0 76.4
61 44.8 35.3 52.9

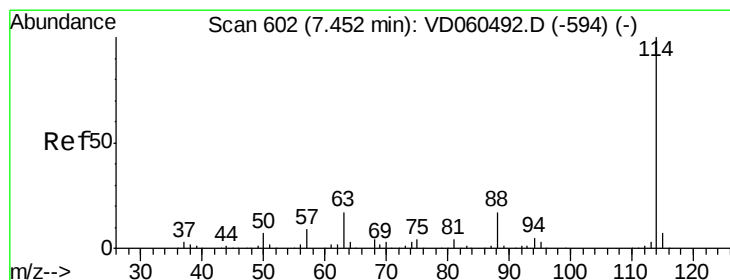
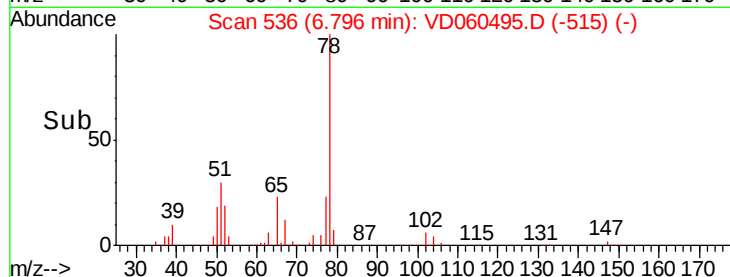
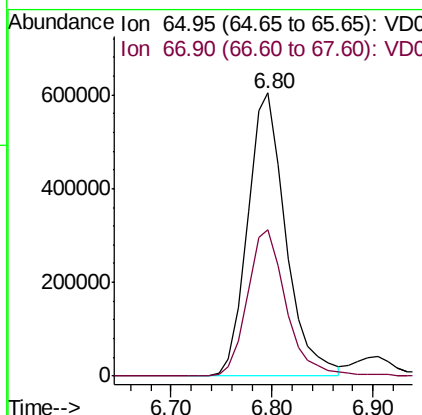
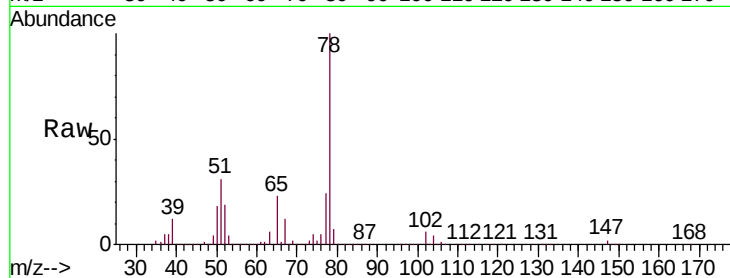




#33
 1,2-Dichloroethane-d4
 Concen: 135.406 ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

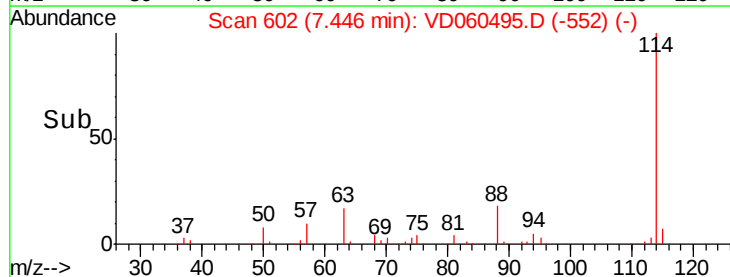
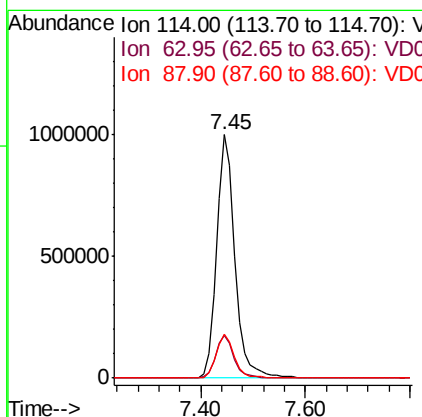
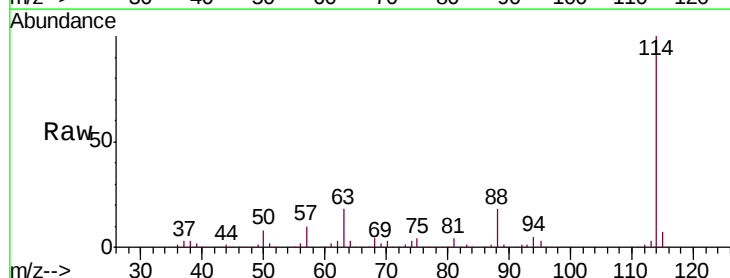
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

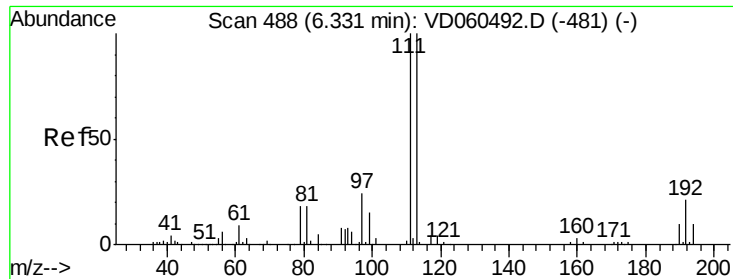
Tgt Ion: 65 Resp: 1587818
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion: 114 Resp: 2423915
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.2
 88 18.0 0.0 35.0

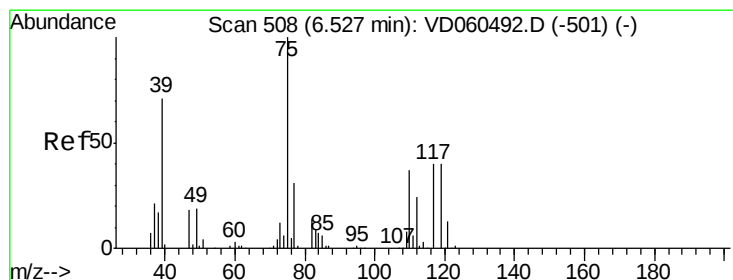
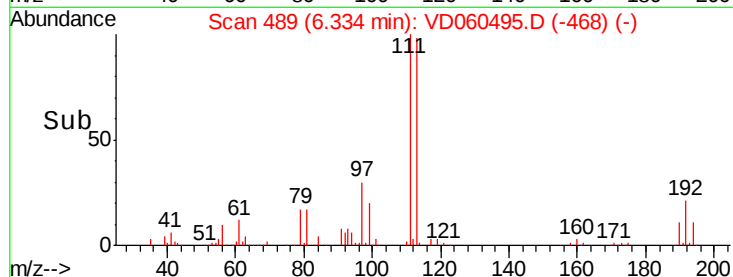
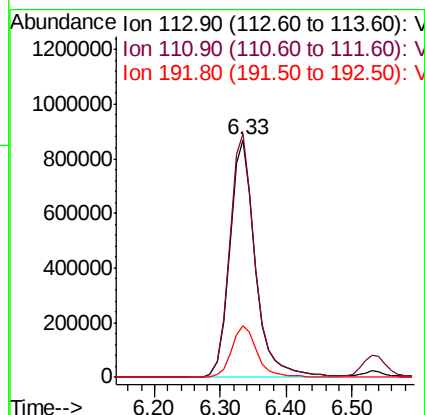
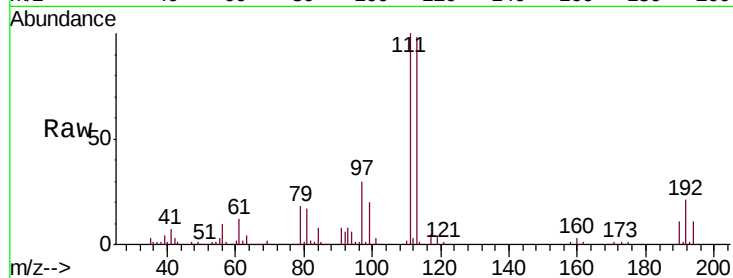




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

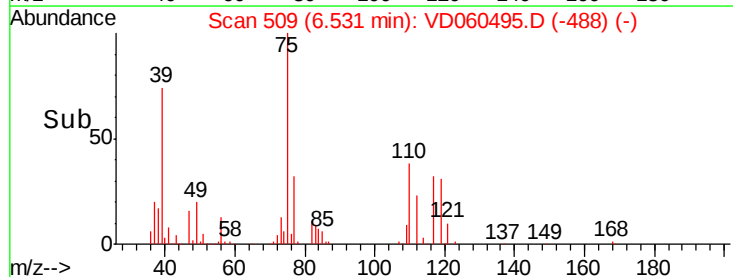
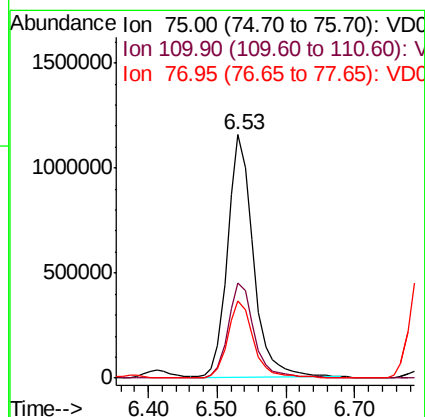
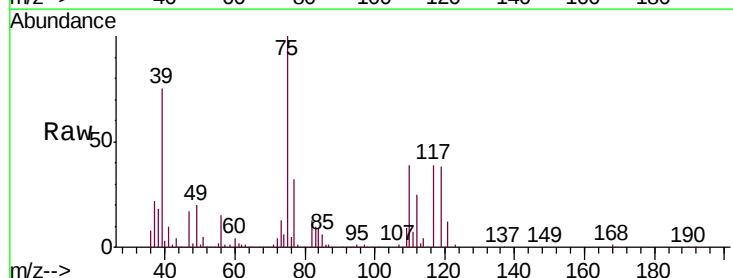
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

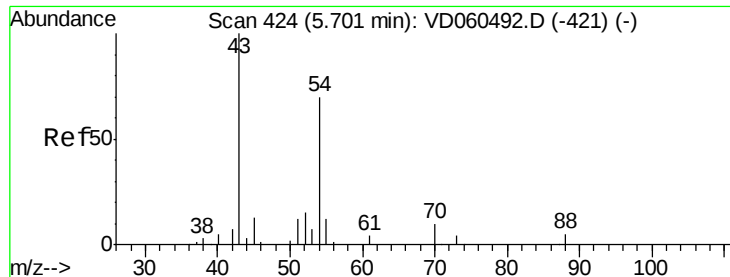
Tgt Ion:113 Resp: 2369262
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.2 120.4
 192 21.8 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 124.123 ug/l
 RT: 6.53 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion: 75 Resp: 2974197
 Ion Ratio Lower Upper
 75 100
 110 39.2 18.3 54.8
 77 31.6 24.6 37.0

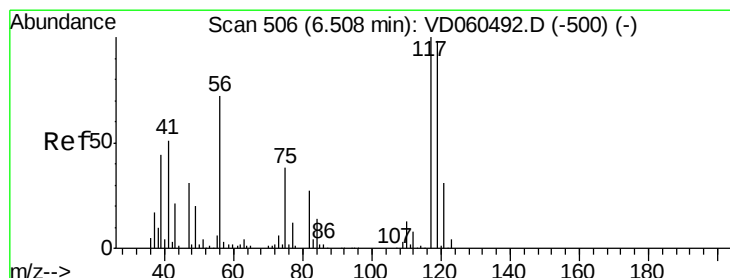
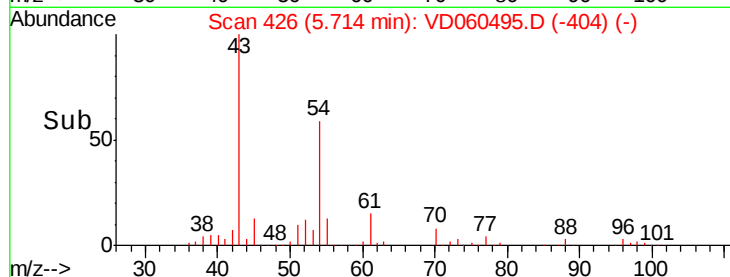
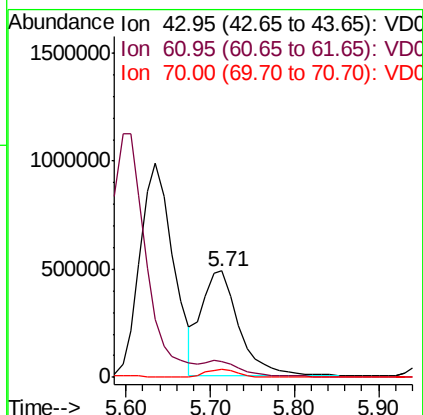
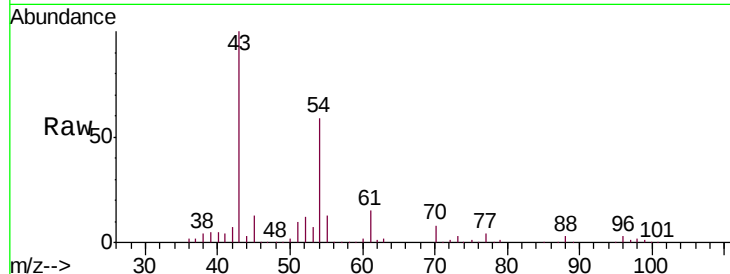




#37
Ethyl Acetate
Concen: 137.277 ug/l
RT: 5.71 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

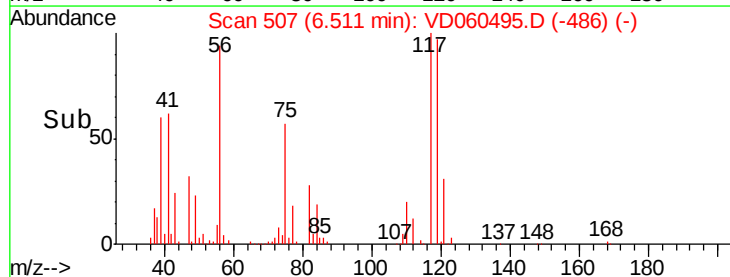
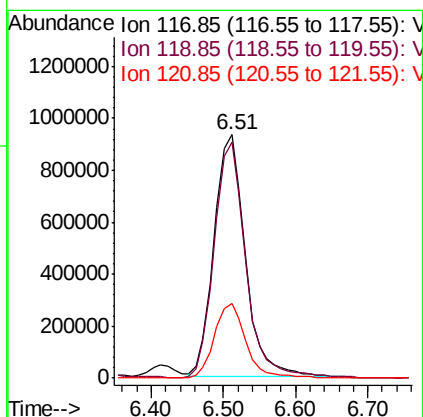
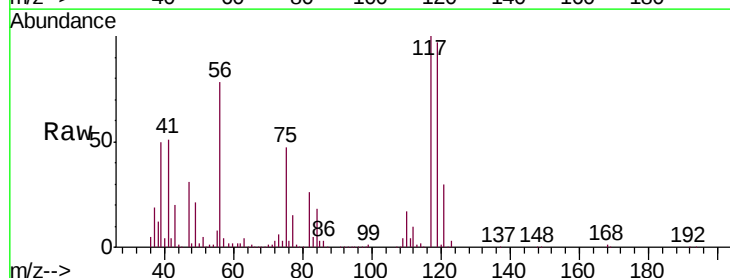
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

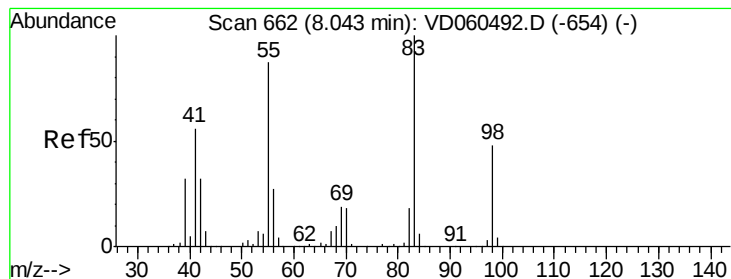
Tgt Ion: 43 Resp: 1506500
Ion Ratio Lower Upper
43 100
61 15.4 12.4 18.6
70 8.1 5.4 8.0#



#38
Carbon Tetrachloride
Concen: 125.997 ug/l
RT: 6.51 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 117 Resp: 2785109
Ion Ratio Lower Upper
117 100
119 96.7 76.8 115.2
121 30.4 24.4 36.6





#39

Methylcyclohexane

Concen: 128.890 ug/l

RT: 8.05 min Scan# 663

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

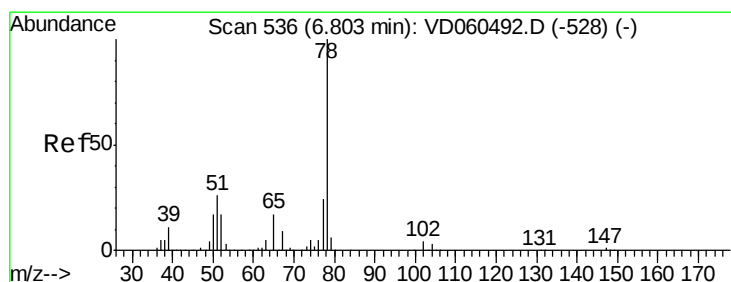
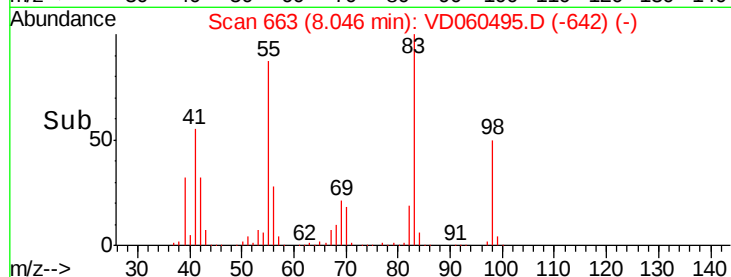
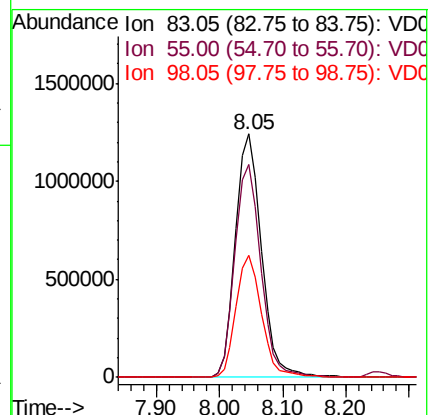
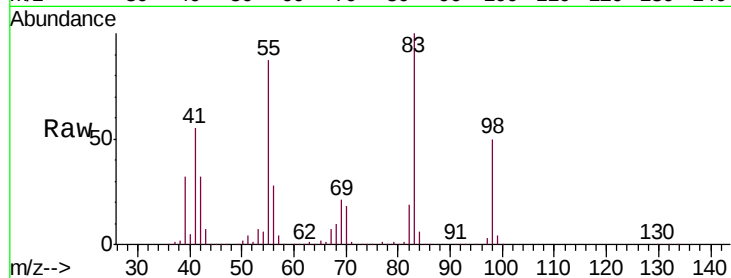
Tgt Ion: 83 Resp: 3542088

Ion Ratio Lower Upper

83 100

55 87.4 69.8 104.8

98 49.9 38.4 57.6



#40

Benzene

Concen: 128.510 ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD060495.D

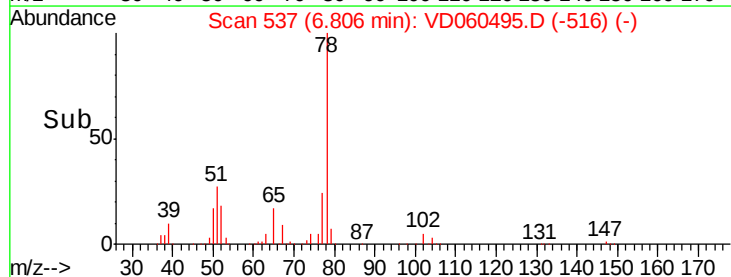
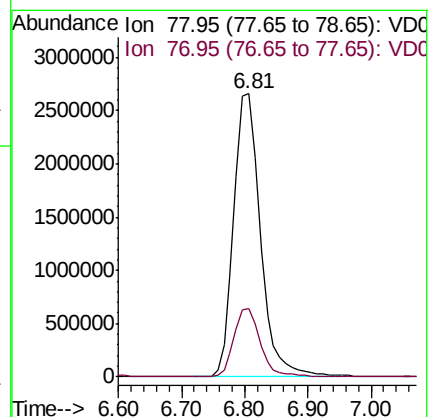
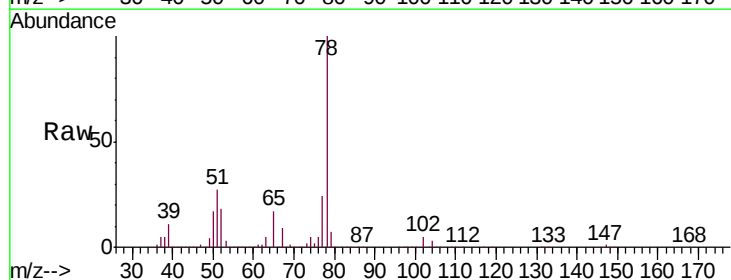
Acq: 5 Dec 2018 16:30

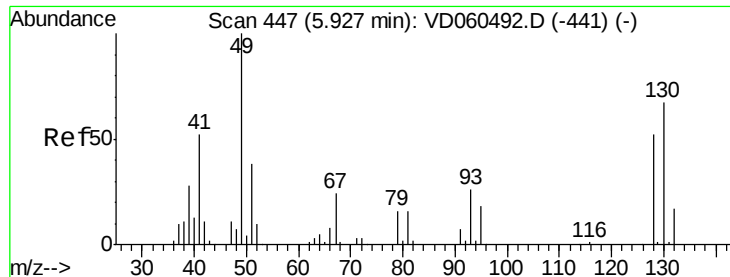
Tgt Ion: 78 Resp: 7835681

Ion Ratio Lower Upper

78 100

77 24.1 18.9 28.3





#41

Methacrylonitrile

Concen: 145.118 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.03 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 1646196

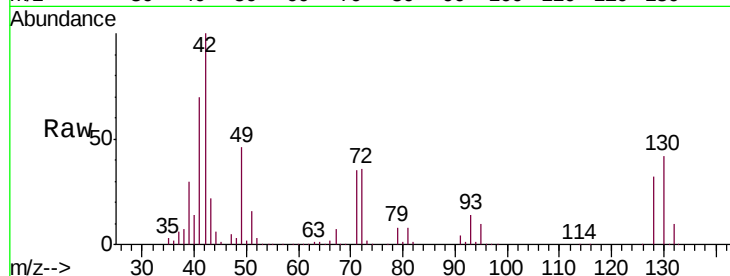
Ion Ratio Lower Upper

41 100

39 43.2 42.6 63.8

67 10.6 36.2 54.4#

52 5.0 15.6 23.4#

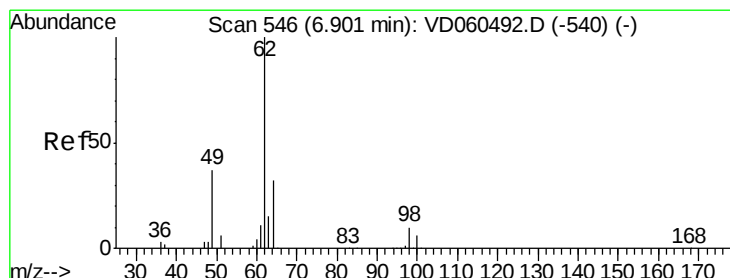
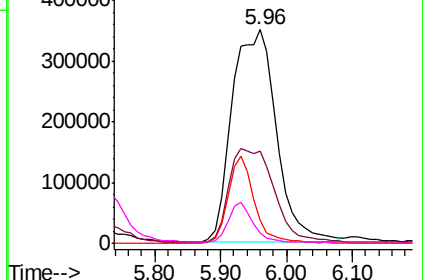
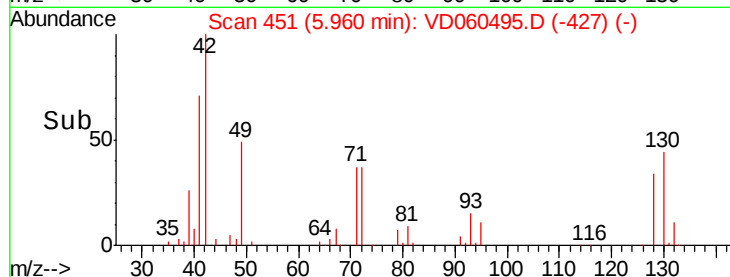


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 137.601 ug/l

RT: 6.90 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD060495.D

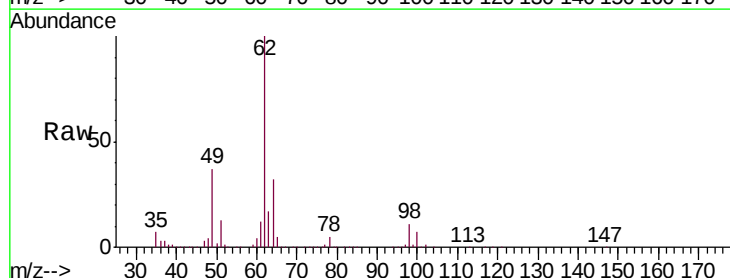
Acq: 5 Dec 2018 16:30

Tgt Ion: 62 Resp: 2183098

Ion Ratio Lower Upper

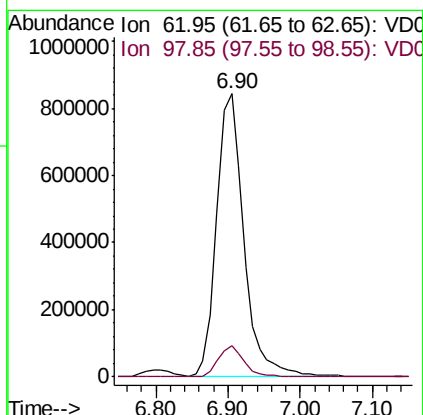
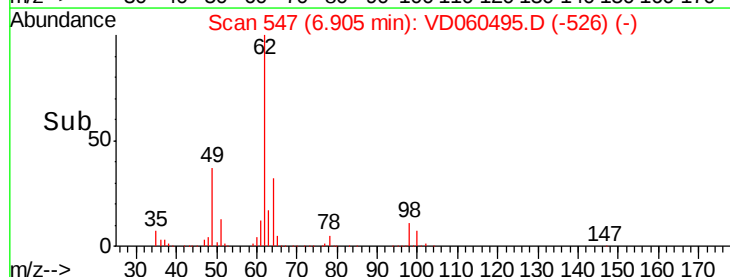
62 100

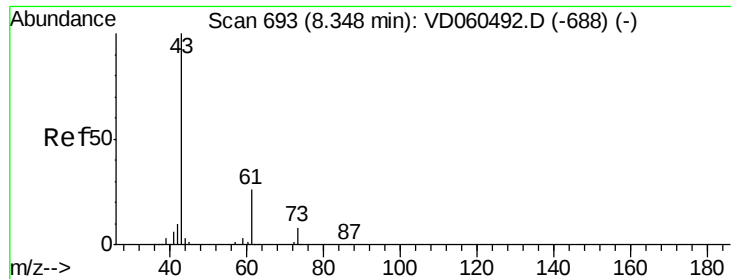
98 10.8 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 144.408 ug/l

RT: 8.35 min Scan# 694

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

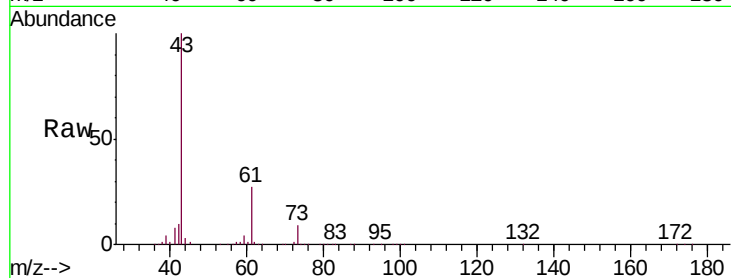
Tgt Ion: 43 Resp: 1973842

Ion Ratio Lower Upper

43 100

61 27.2 21.0 31.4

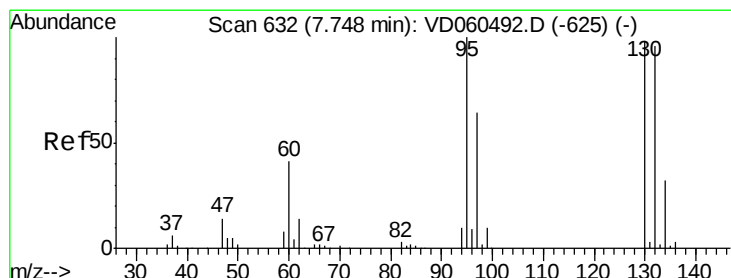
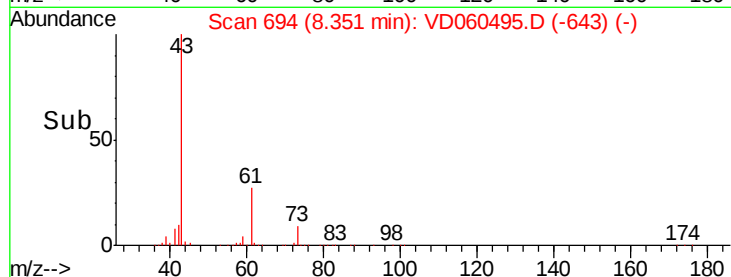
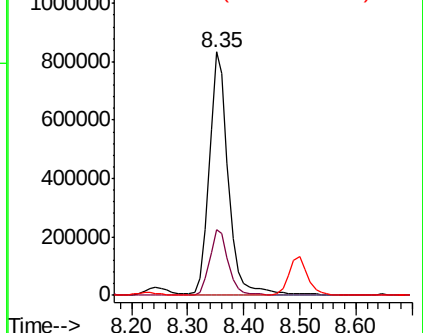
87 0.3 0.2 0.2#



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: 137.294 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060495.D

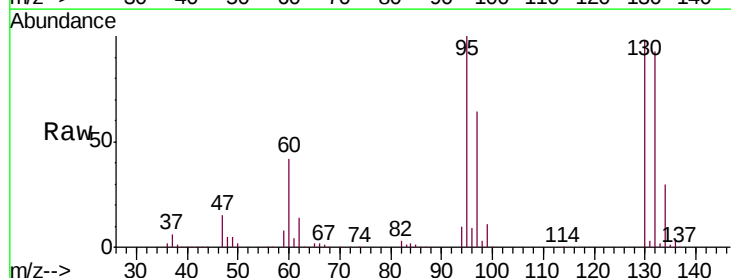
Acq: 5 Dec 2018 16:30

Tgt Ion:130 Resp: 2539606

Ion Ratio Lower Upper

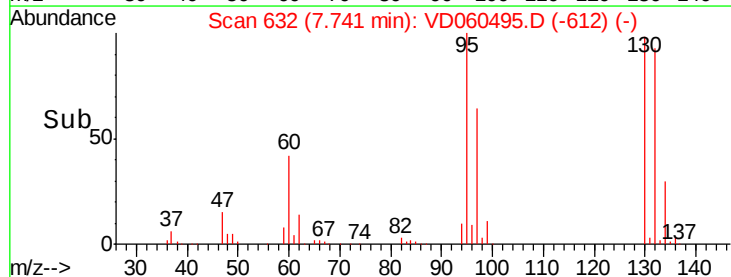
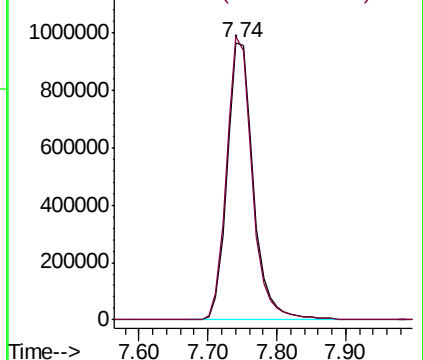
130 100

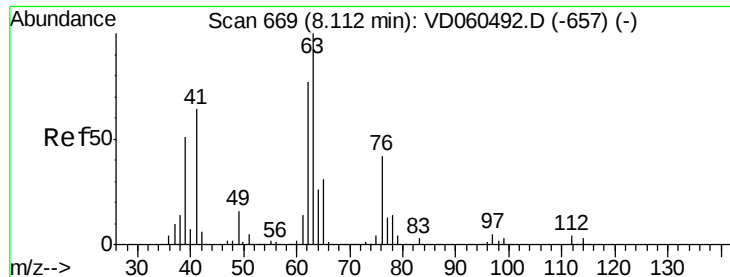
95 102.1 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 137.362 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

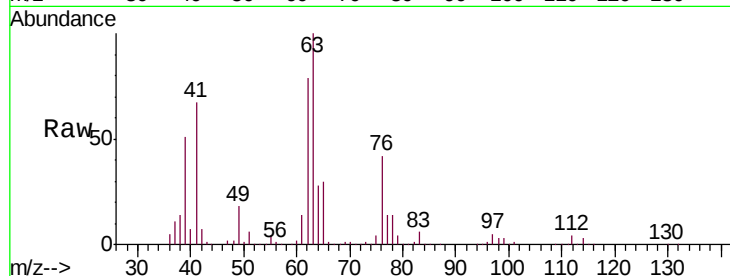
VSTDIC150

Tgt Ion: 63 Resp: 2107236

Ion Ratio Lower Upper

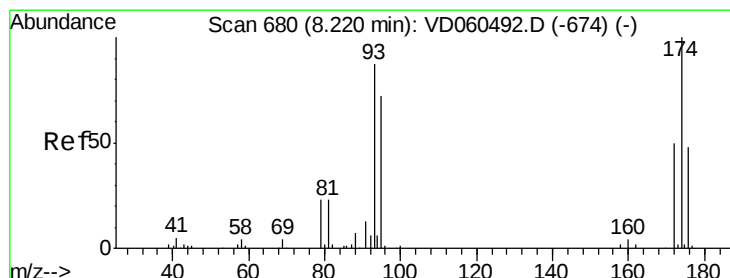
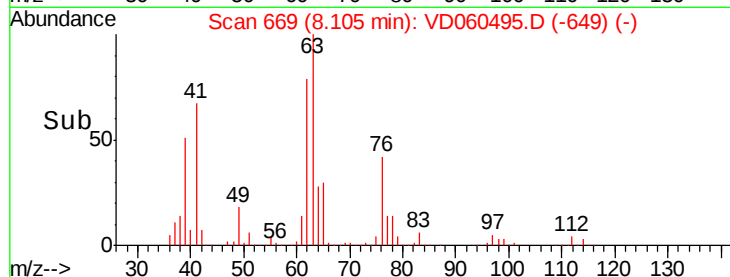
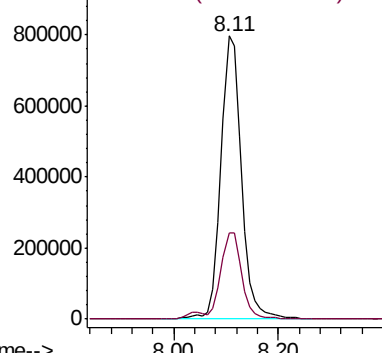
63 100

65 30.5 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 136.282 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

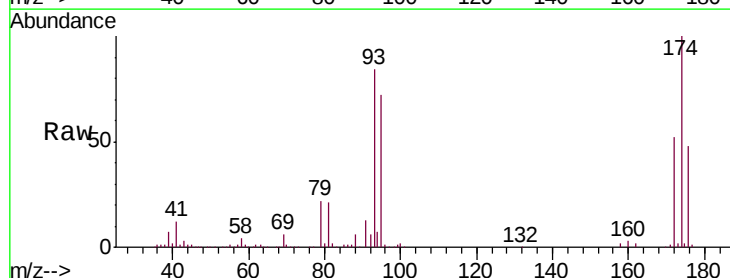
Tgt Ion: 93 Resp: 1226793

Ion Ratio Lower Upper

93 100

95 85.3 65.6 98.4

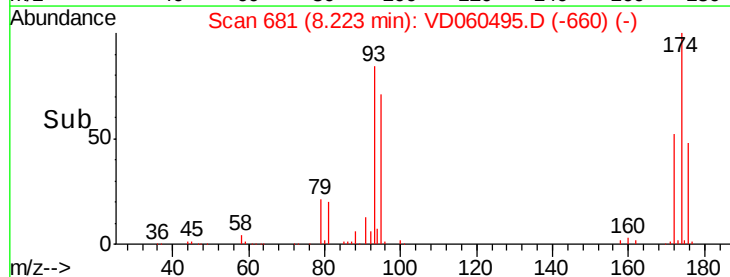
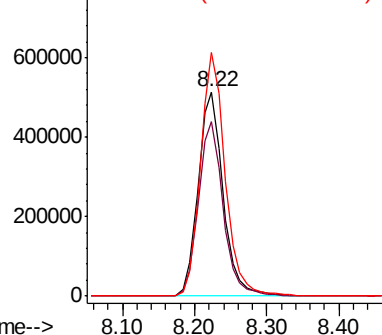
174 119.3 91.7 137.5

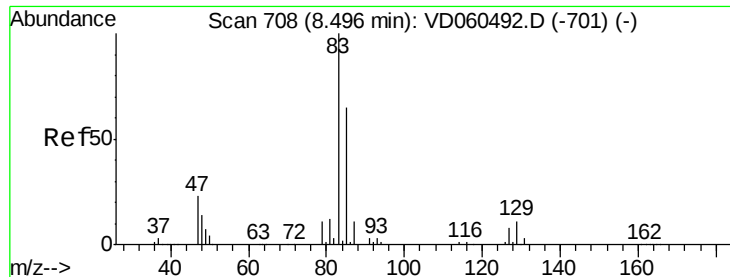


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 138.089 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

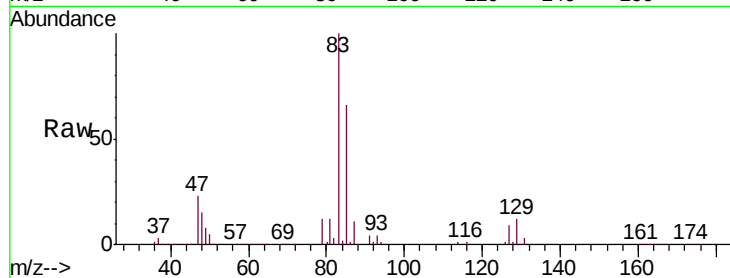
Tgt Ion: 83 Resp: 2917076

Ion Ratio Lower Upper

83 100

85 66.0 52.2 78.4

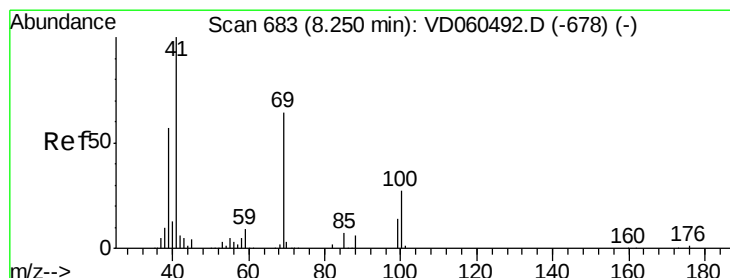
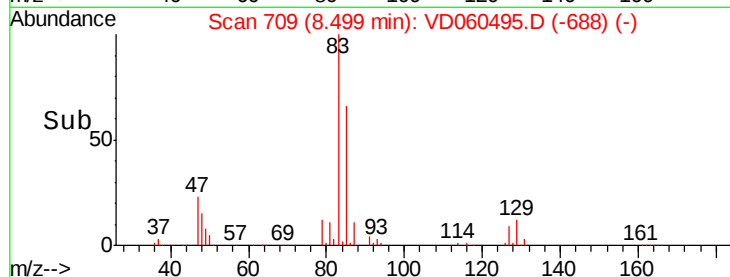
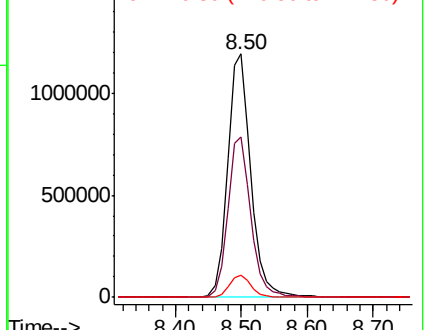
127 9.1 6.7 10.1



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: 132.885 ug/l

RT: 8.25 min Scan# 684

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

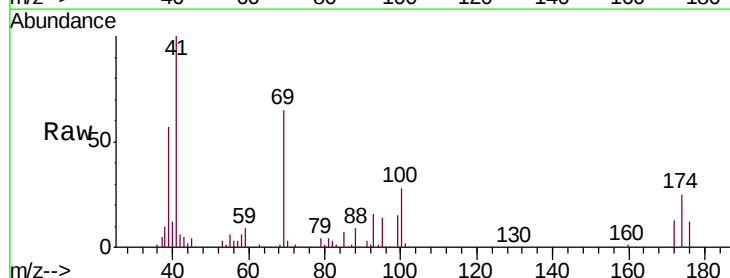
Tgt Ion: 41 Resp: 1107832

Ion Ratio Lower Upper

41 100

69 65.1 50.2 75.4

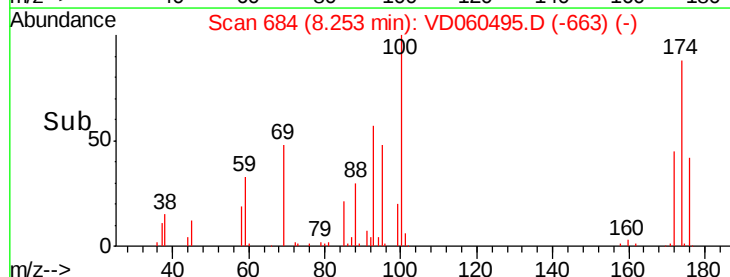
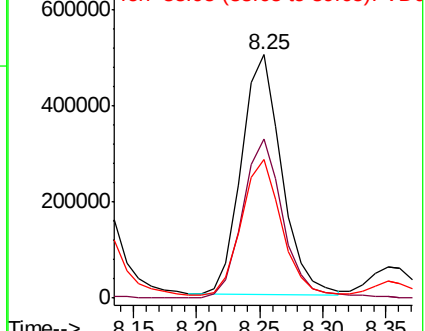
39 57.0 46.1 69.1

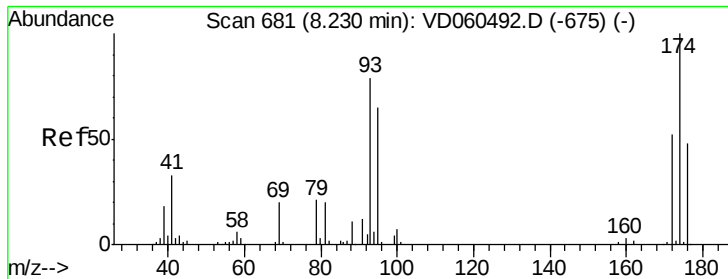


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

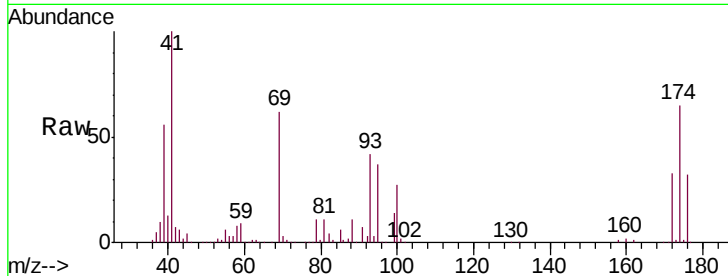




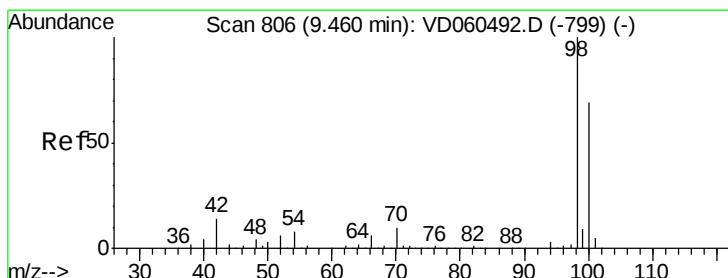
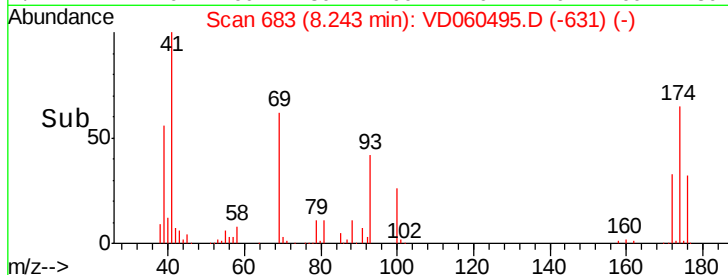
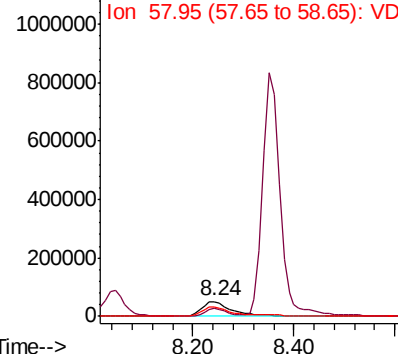
#49
1,4-Dioxane
Concen: 2934.535 ug/l
RT: 8.24 min Scan# 683
Delta R.T. 0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 88 Resp: 213702
Ion Ratio Lower Upper
88 100
43 50.8 32.9 49.3#
58 66.5 47.7 71.5

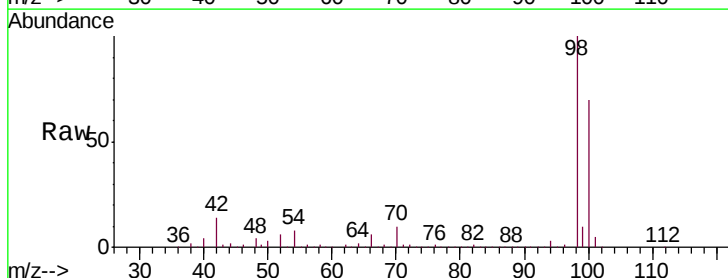


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

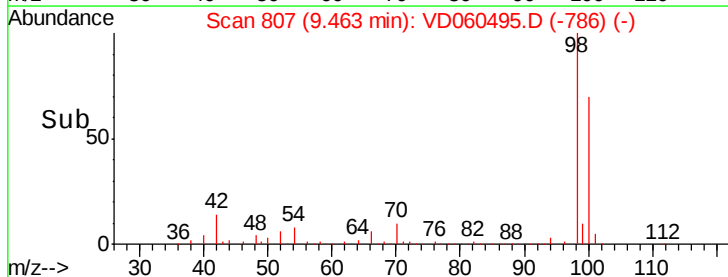
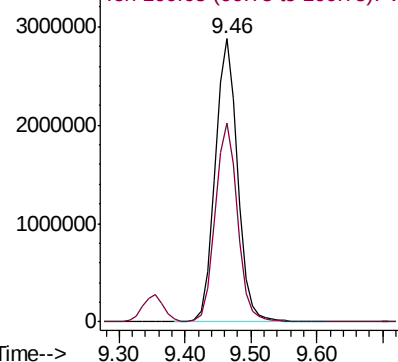


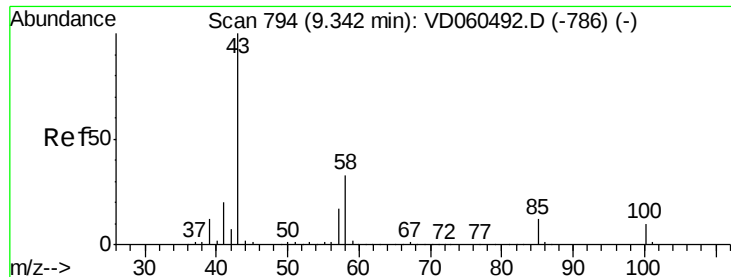
#50
Toluene-d8
Concen: 2934.535 ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 98 Resp: 6879980
Ion Ratio Lower Upper
98 100
100 70.3 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: 639.955 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

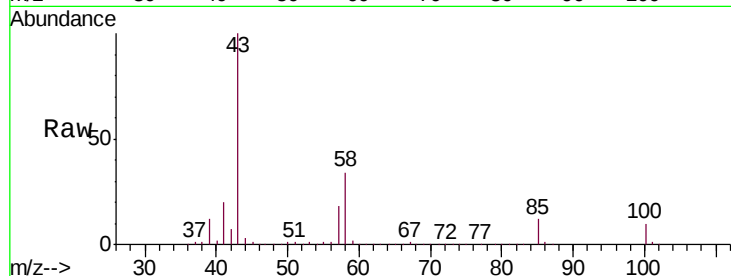
VSTDIC150

Tgt Ion: 43 Resp: 5700541

Ion Ratio Lower Upper

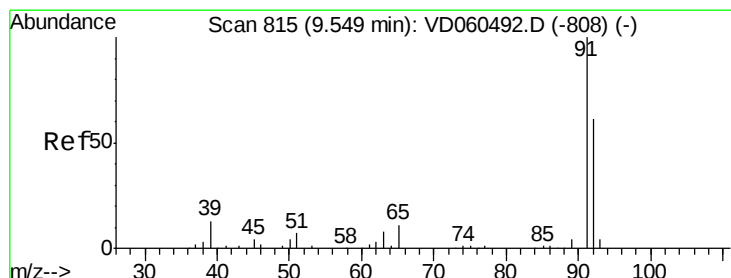
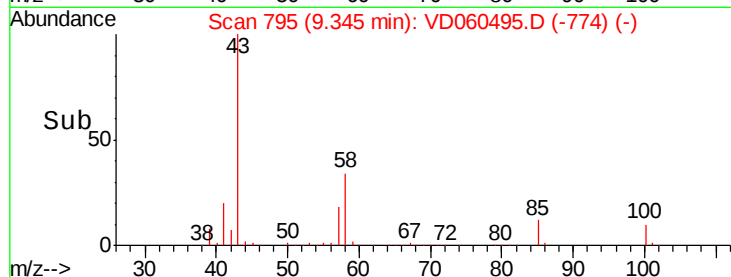
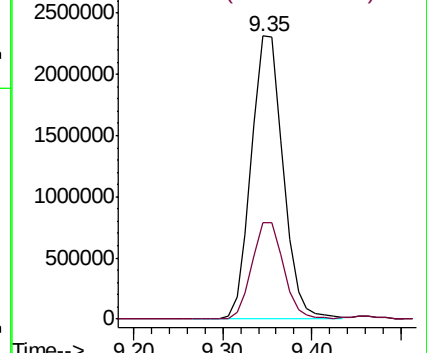
43 100

58 33.9 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: 128.129 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD060495.D

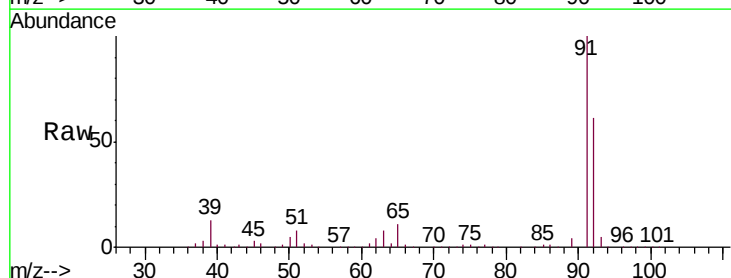
Acq: 5 Dec 2018 16:30

Tgt Ion: 92 Resp: 4984938

Ion Ratio Lower Upper

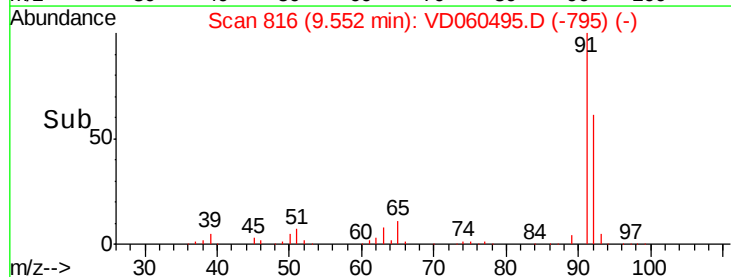
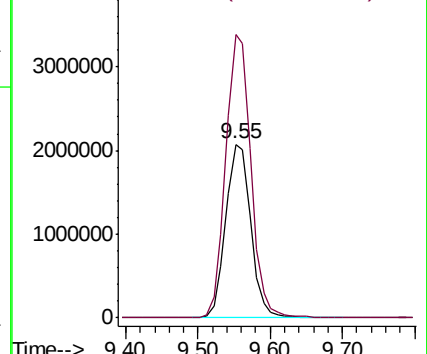
92 100

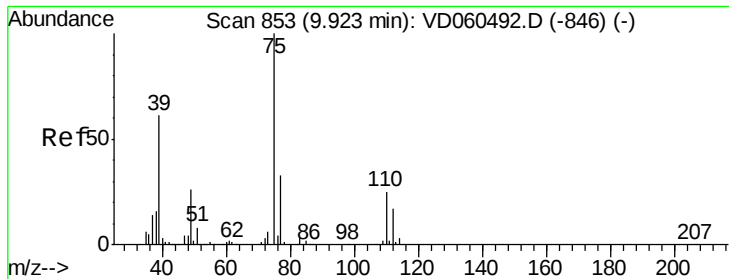
91 163.0 131.7 197.5



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: 139.676 ug/l

RT: 9.93 min Scan# 854

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

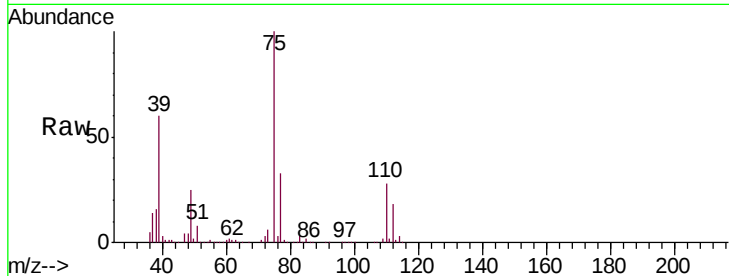
VSTDIC150

Tgt Ion: 75 Resp: 2481763

Ion Ratio Lower Upper

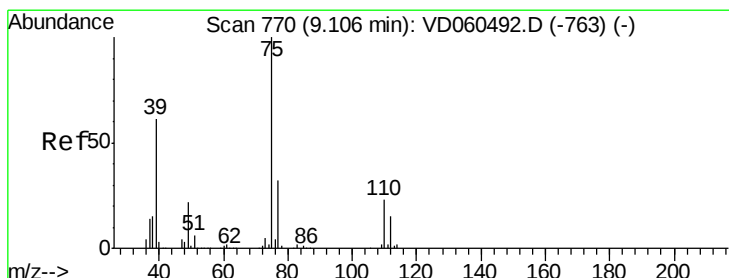
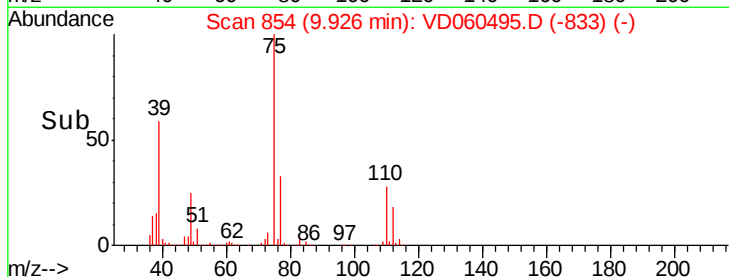
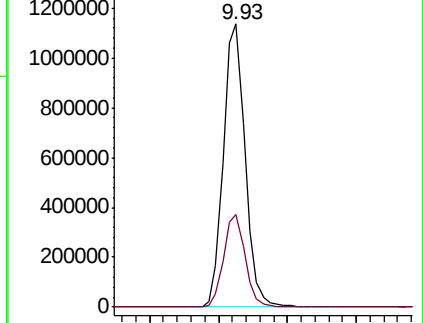
75 100

77 32.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 137.846 ug/l

RT: 9.11 min Scan# 771

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

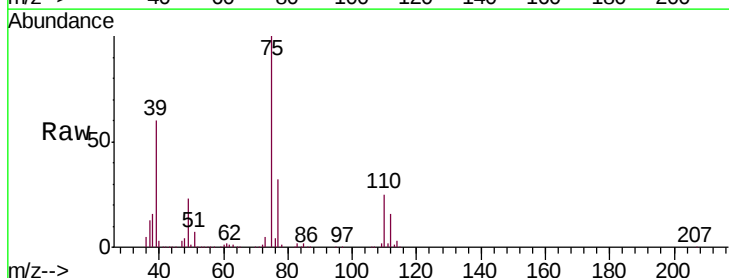
Tgt Ion: 75 Resp: 3167455

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

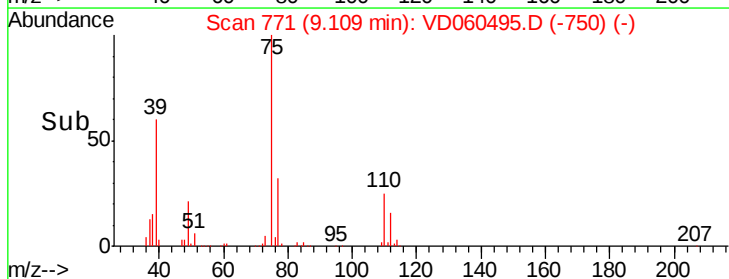
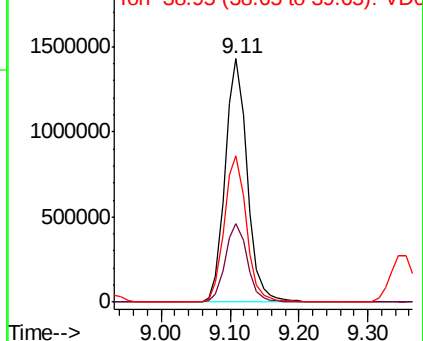
39 60.2 48.6 73.0

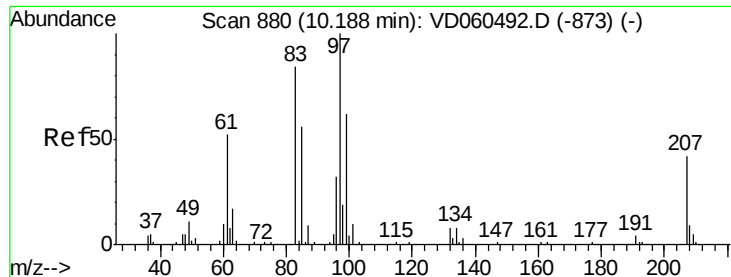


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



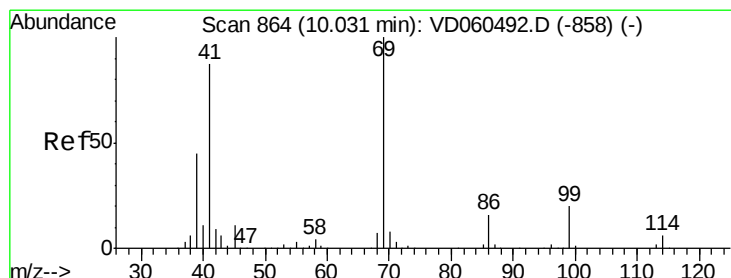
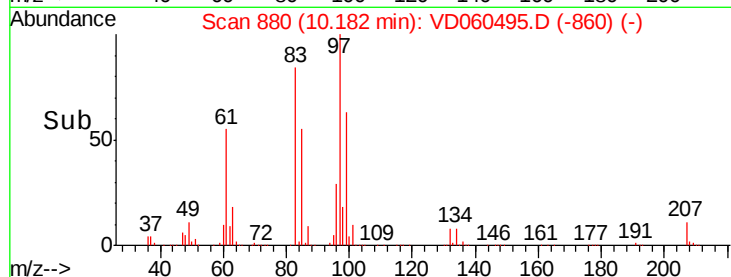
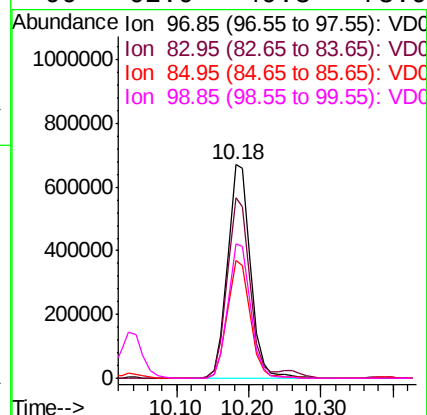
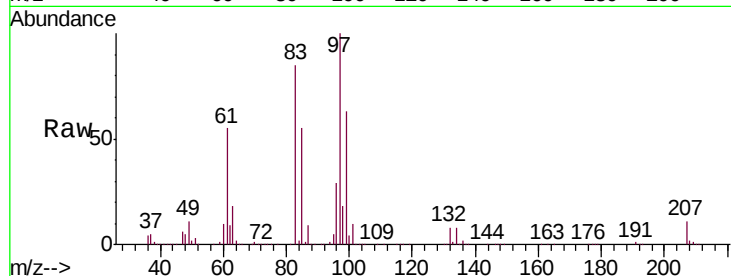


#55
 1,1,2-Trichloroethane
 Concen: 130.413 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 97 Resp: 1469223

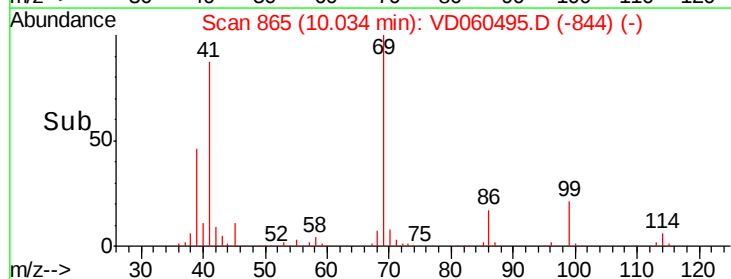
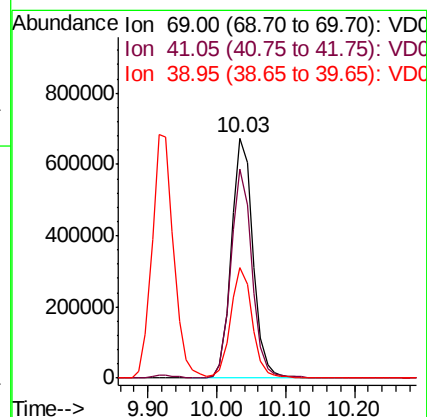
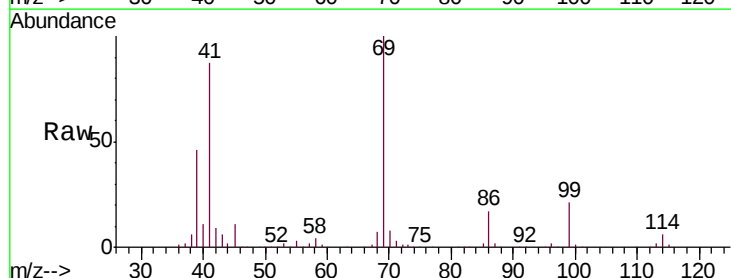
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.2	100.8
85	55.0	44.5	66.7
99	62.9	49.3	73.9

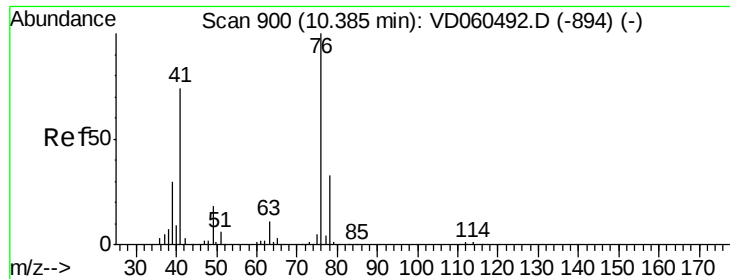


#56
 Ethyl methacrylate
 Concen: 141.595 ug/l
 RT: 10.03 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion: 69 Resp: 1456653

Ion	Ratio	Lower	Upper
69	100		
41	87.1	69.8	104.8
39	46.1	37.5	56.3





#57

1,3-Dichloropropane

Concen: 137.052 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

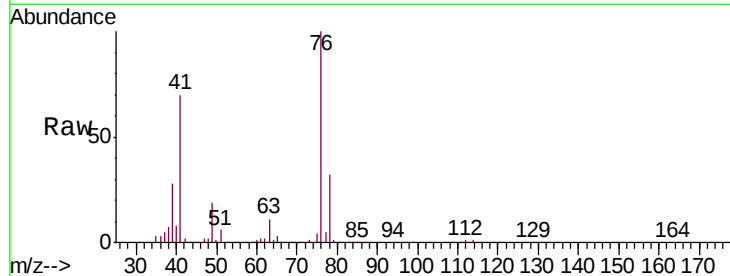
VSTDIC150

Tgt Ion: 76 Resp: 2343752

Ion Ratio Lower Upper

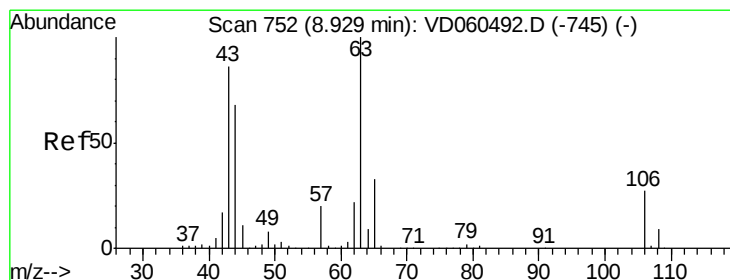
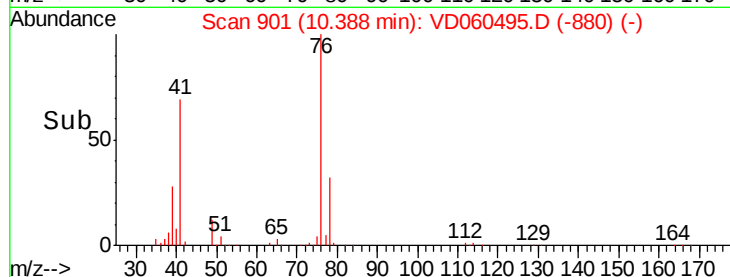
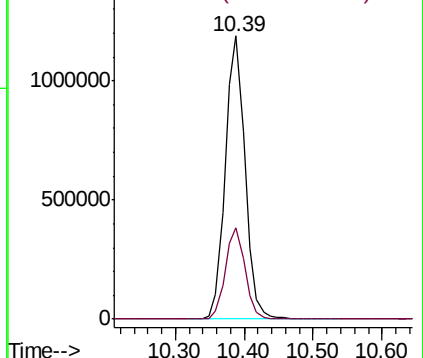
76 100

78 32.2 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 603.673 ug/l

RT: 8.93 min Scan# 753

Delta R.T. 0.00 min

Lab File: VD060495.D

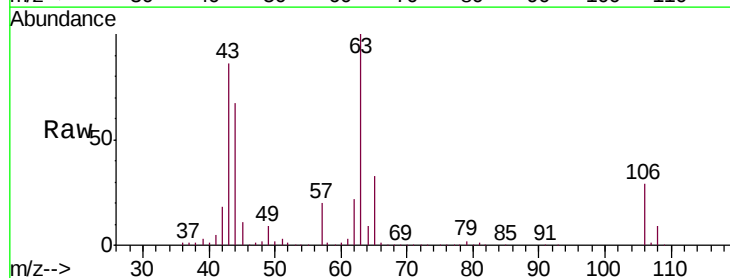
Acq: 5 Dec 2018 16:30

Tgt Ion: 63 Resp: 3736664

Ion Ratio Lower Upper

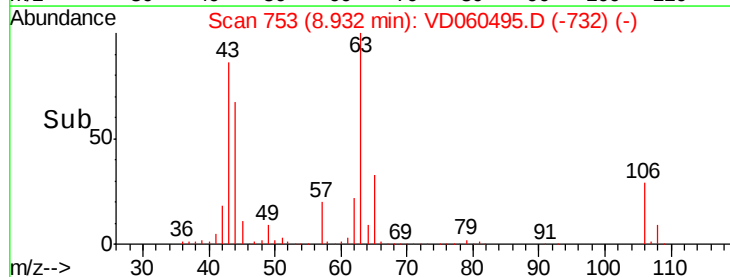
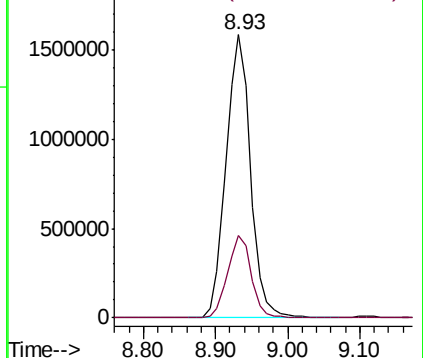
63 100

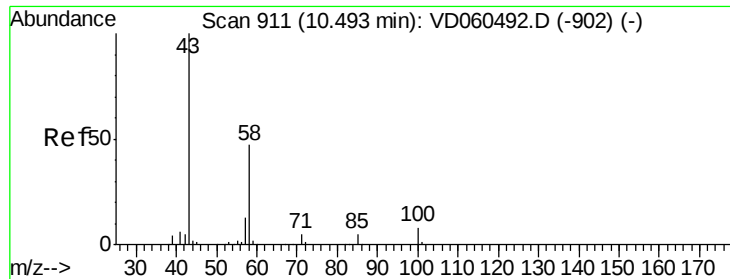
106 29.2 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

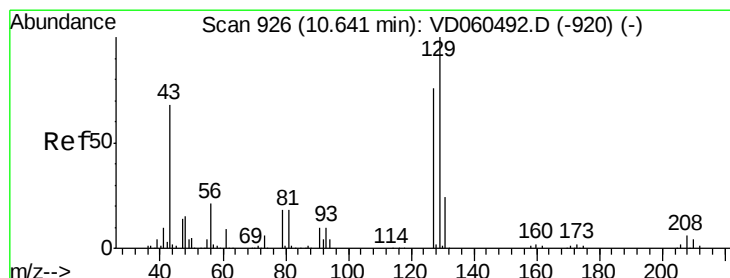
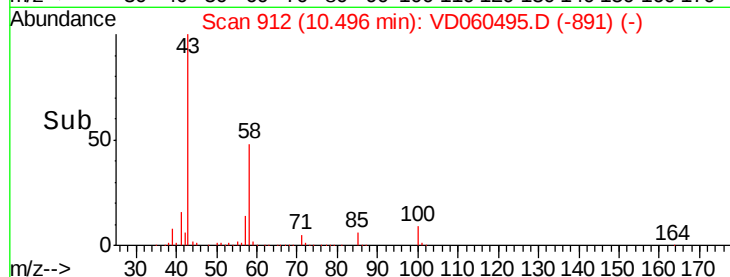
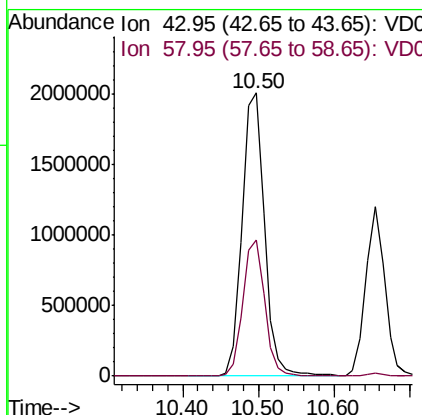
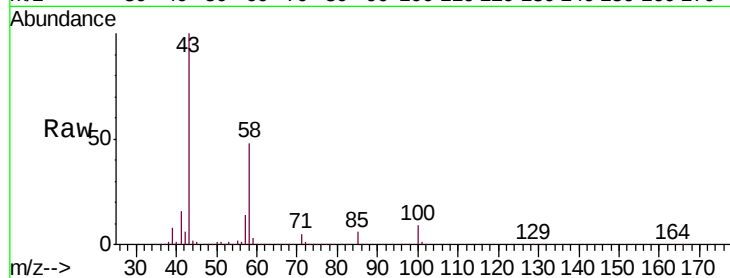




#59
2-Hexanone
Concen: 648.278 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

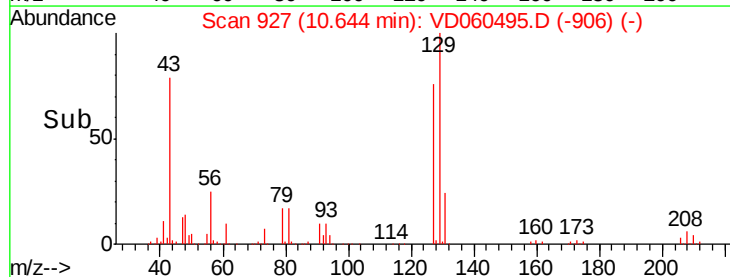
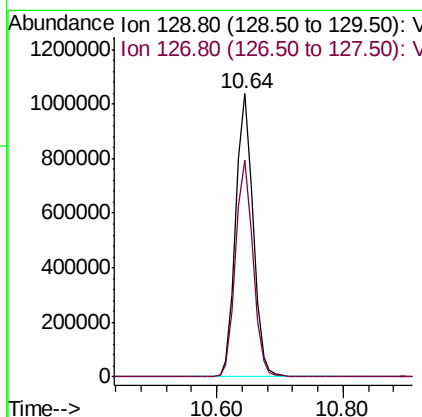
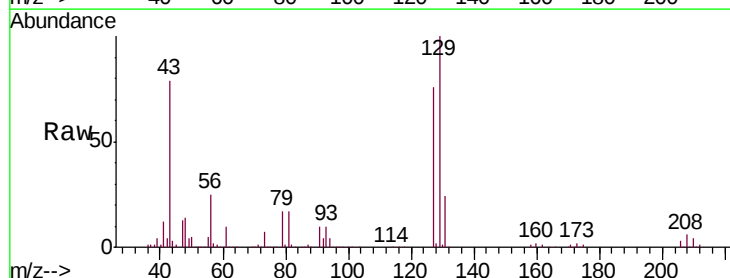
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

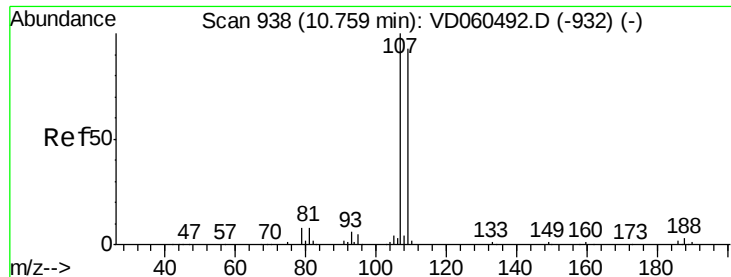
Tgt Ion: 43 Resp: 4092803
Ion Ratio Lower Upper
43 100
58 48.0 23.4 70.2



#60
Dibromochloromethane
Concen: 143.211 ug/l
RT: 10.64 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 129 Resp: 1957946
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.3

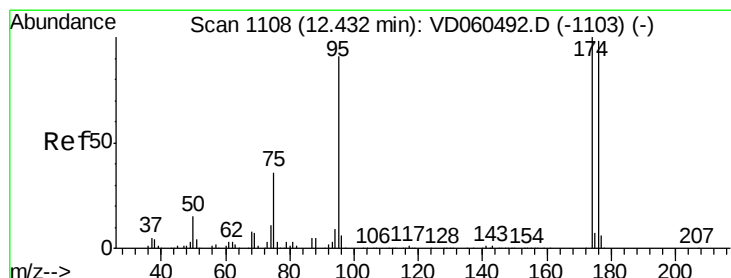
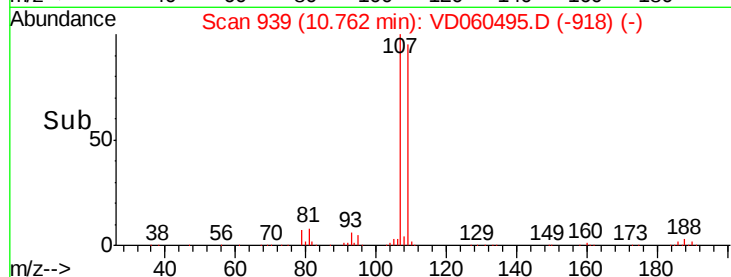
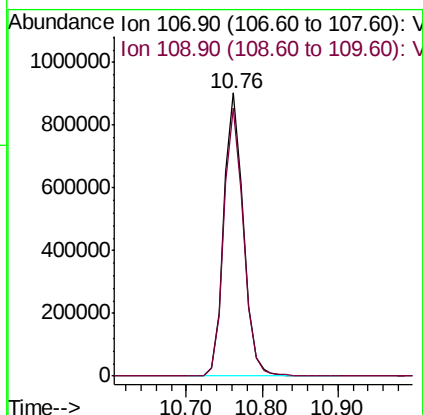
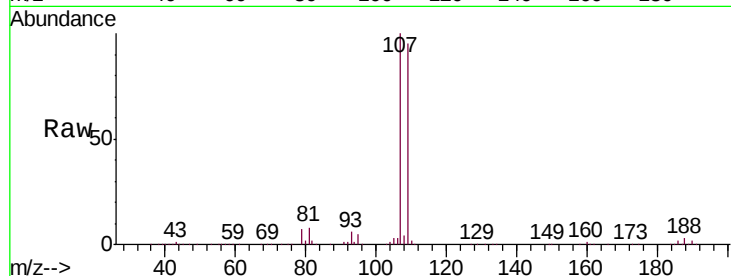




#61
1,2-Dibromoethane
Concen: 143.245 ug/l
RT: 10.76 min Scan# 939
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

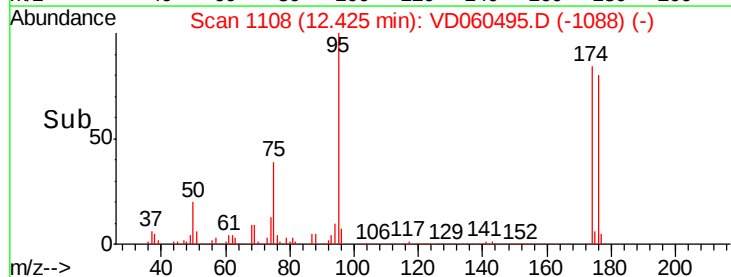
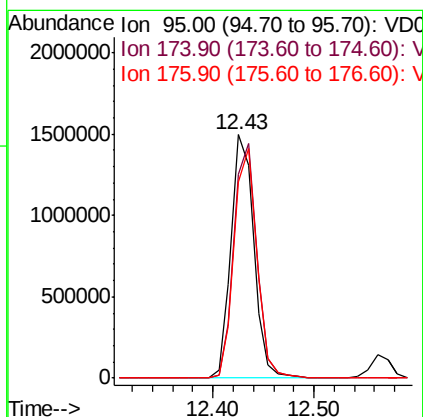
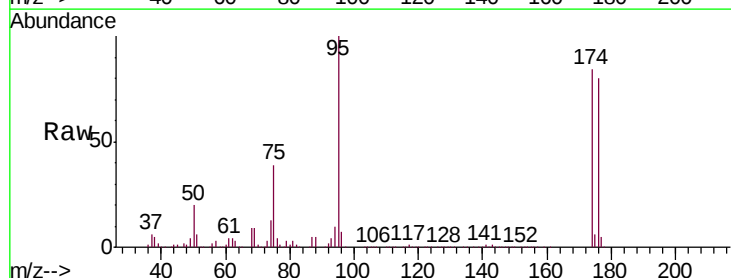
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

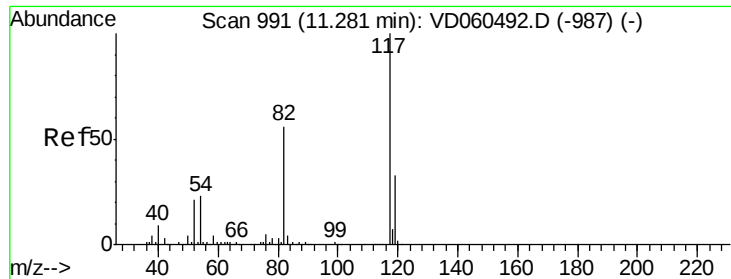
Tgt Ion:107 Resp: 1614446
Ion Ratio Lower Upper
107 100
109 94.6 74.7 112.1



#62
4-Bromofluorobenzene
Concen: 143.245 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 95 Resp: 2350613
Ion Ratio Lower Upper
95 100
174 83.6 0.0 219.4
176 80.4 0.0 214.6

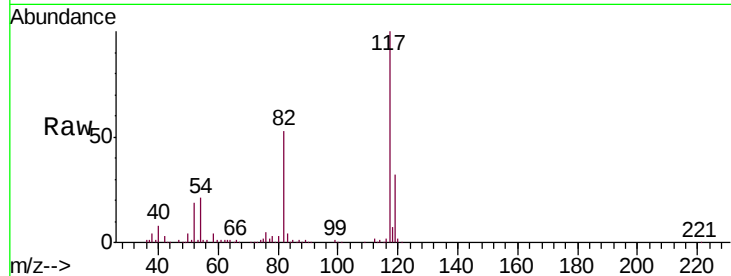




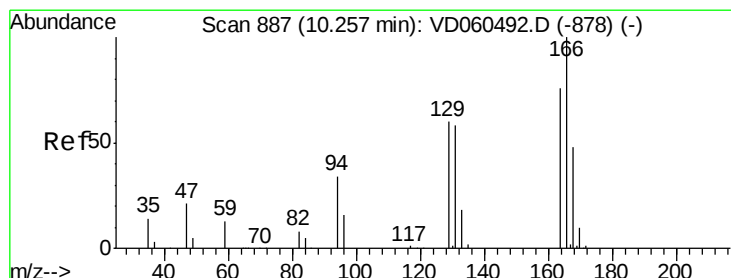
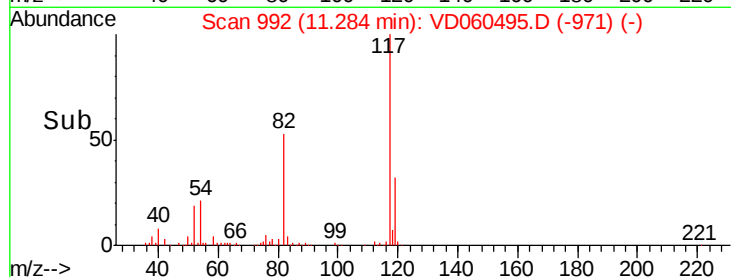
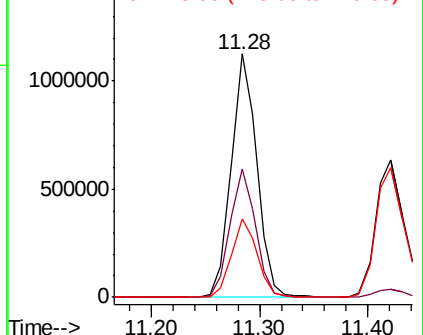
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 1847807
Ion Ratio Lower Upper
117 100
82 52.8 45.2 67.8
119 32.1 26.1 39.1

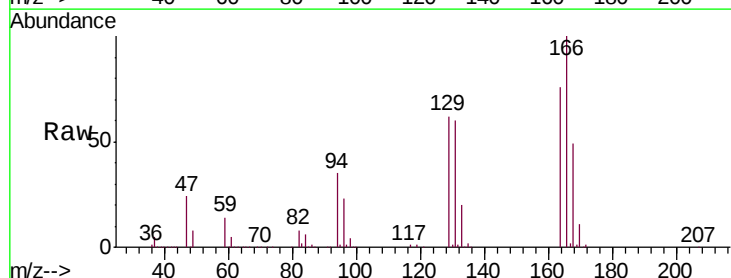


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

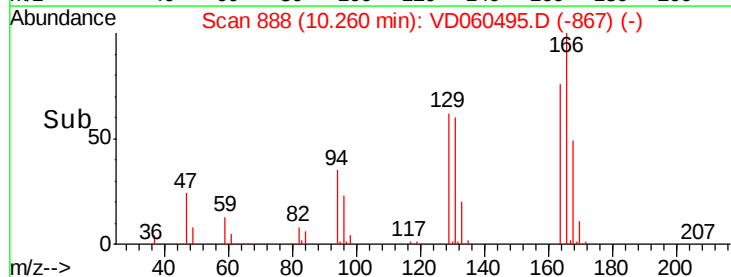
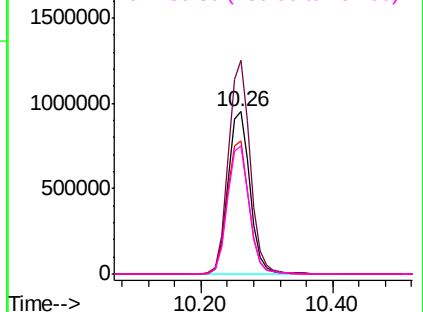


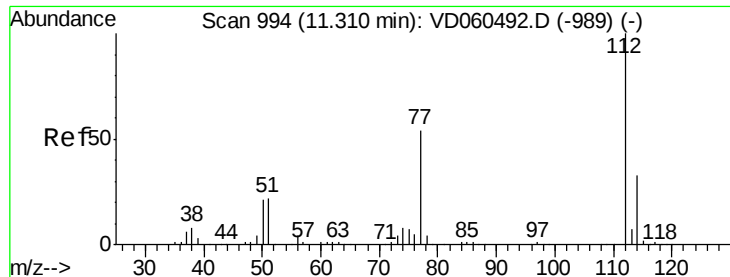
#64
Tetrachloroethene
Concen: 134.861 ug/l
RT: 10.26 min Scan# 888
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion:164 Resp: 2230887
Ion Ratio Lower Upper
164 100
166 131.9 105.0 157.6
129 82.3 63.0 94.4
131 79.3 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: 129.225 ug/l

RT: 11.31 min Scan# 995

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

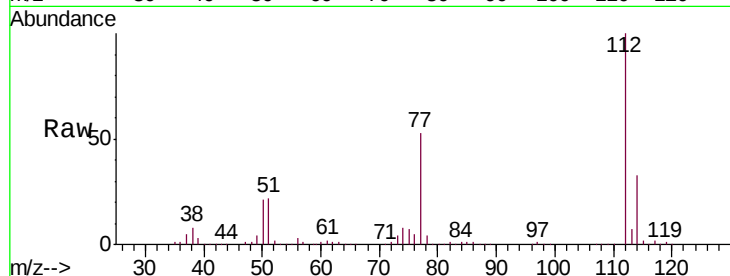
VSTDIC150

Tgt Ion:112 Resp: 5158508

Ion Ratio Lower Upper

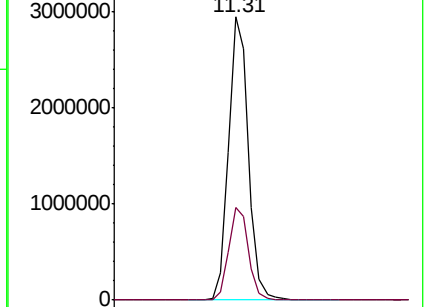
112 100

114 32.8 26.2 39.4

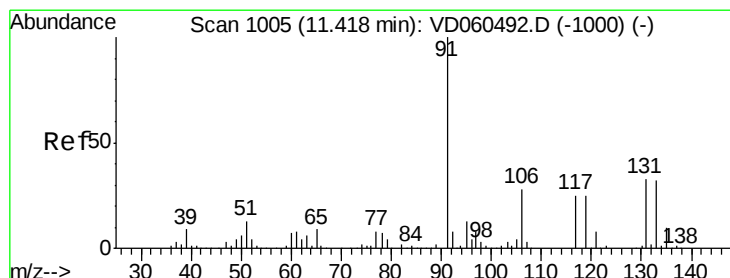
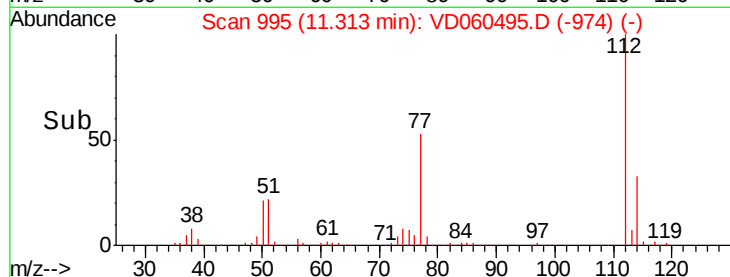


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 114.829 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

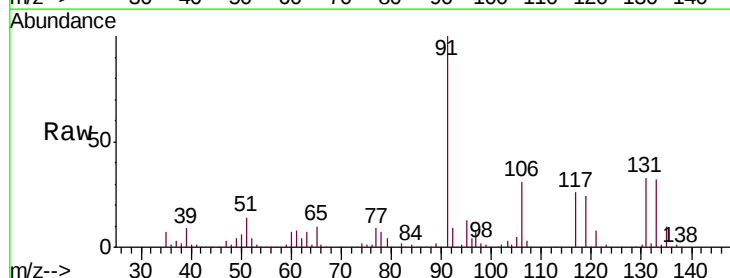
Tgt Ion:131 Resp: 1499024

Ion Ratio Lower Upper

131 100

133 95.2 49.1 147.3

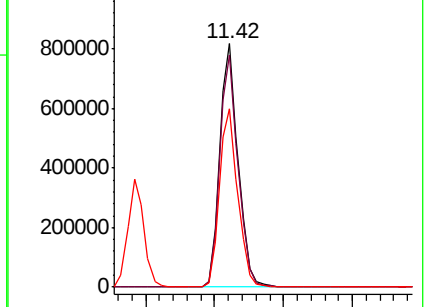
119 73.2 37.5 112.3



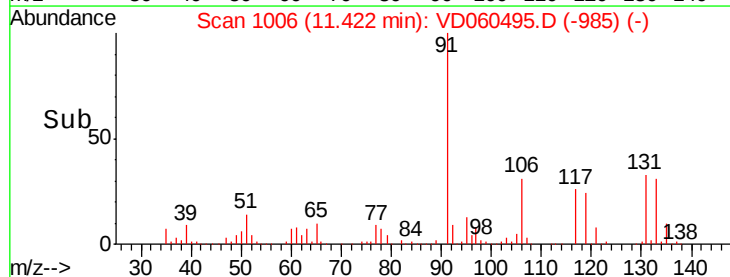
Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



Time-->

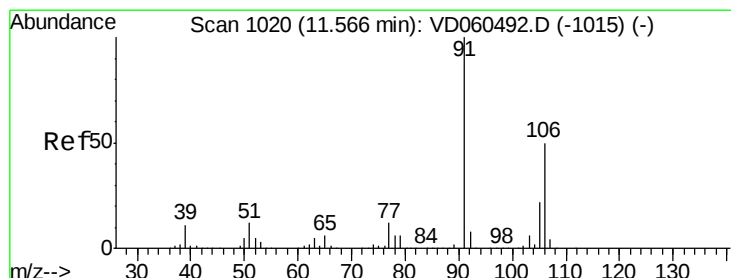
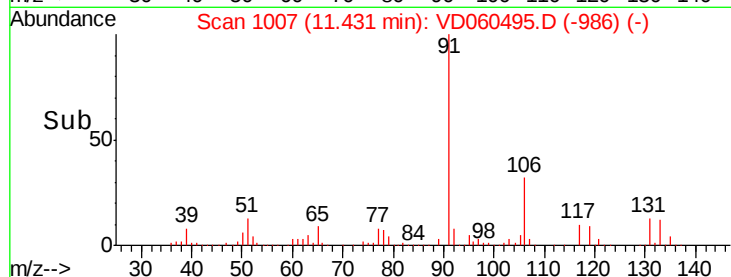
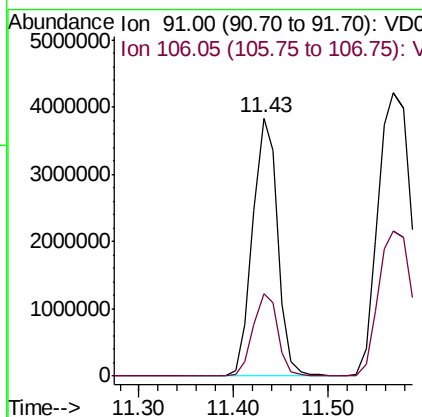
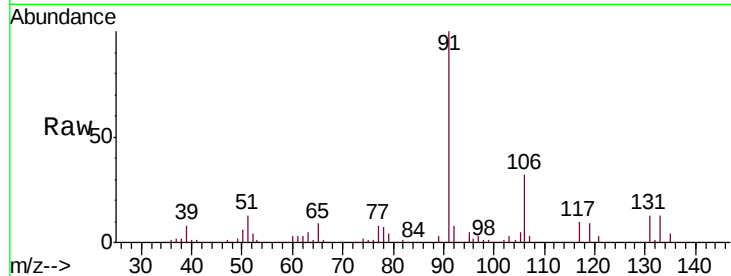




#67
Ethyl Benzene
Concen: 103.031 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

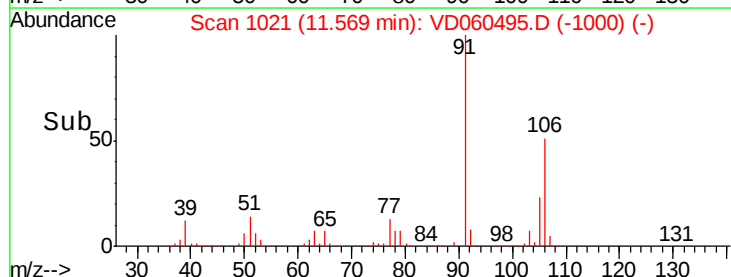
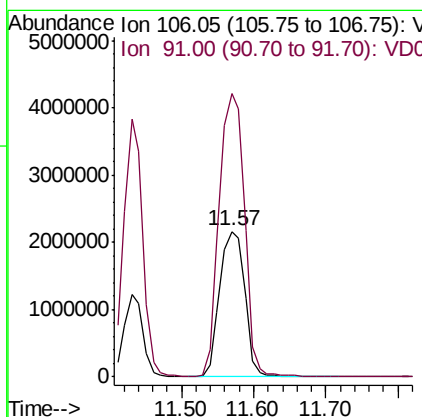
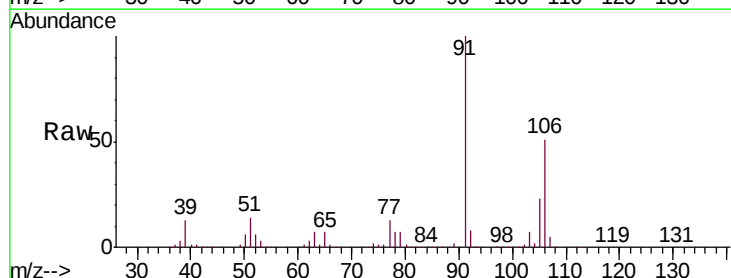
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

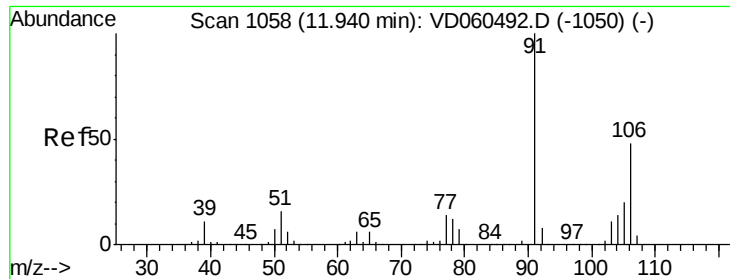
Tgt Ion: 91 Resp: 7061420
Ion Ratio Lower Upper
91 100
106 32.1 24.6 37.0



#68
m/p-Xylenes
Concen: 205.821 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 106 Resp: 5190544
Ion Ratio Lower Upper
106 100
91 194.8 160.5 240.7

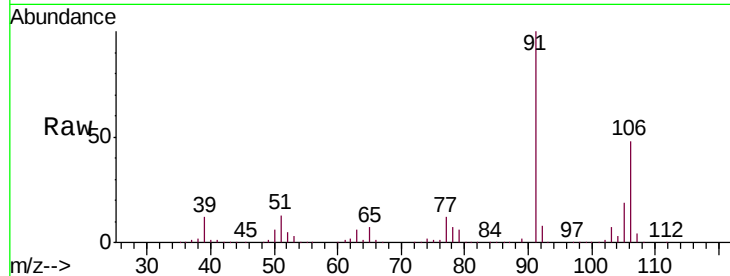




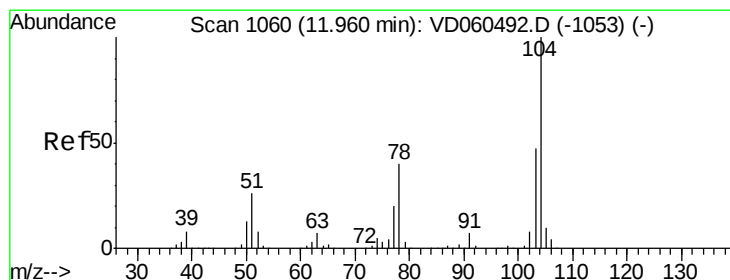
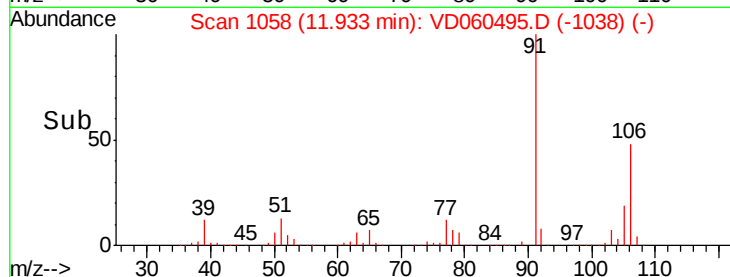
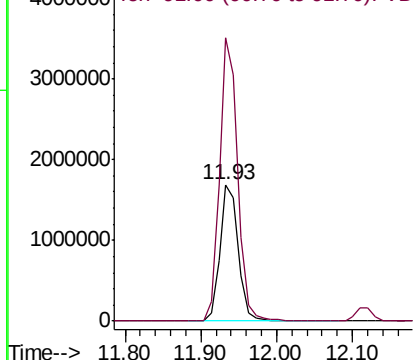
#69
o-Xylene
Concen: 116.205 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 2828361
Ion Ratio Lower Upper
106 100
91 207.5 103.4 310.1

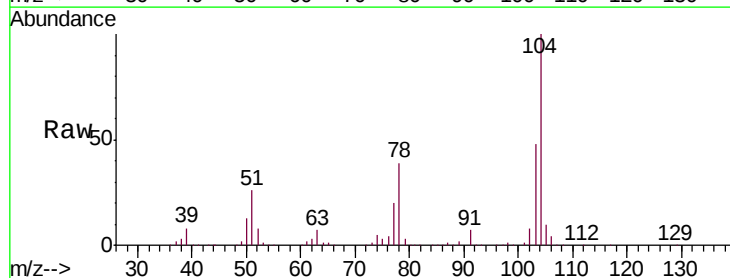


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

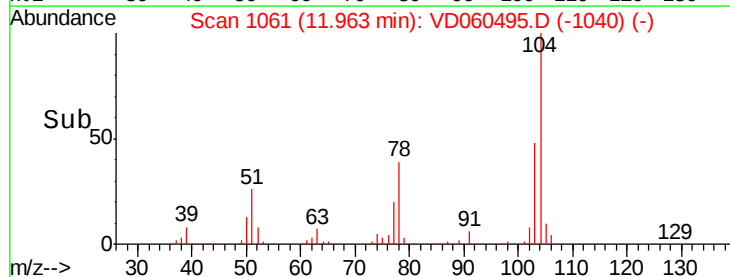
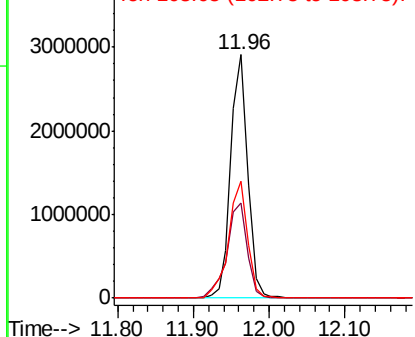


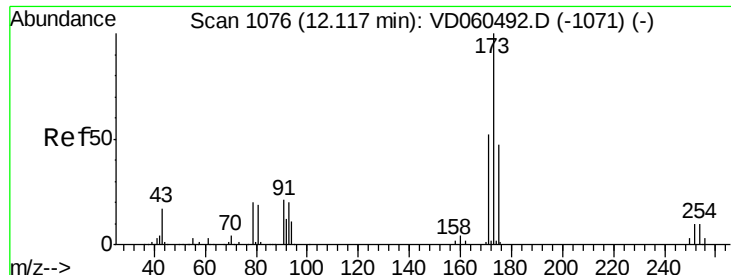
#70
Styrene
Concen: 114.033 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion:104 Resp: 4508652
Ion Ratio Lower Upper
104 100
78 39.3 32.1 48.1
103 47.8 37.2 55.8



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





#71

Bromoform

Concen: 152.897 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

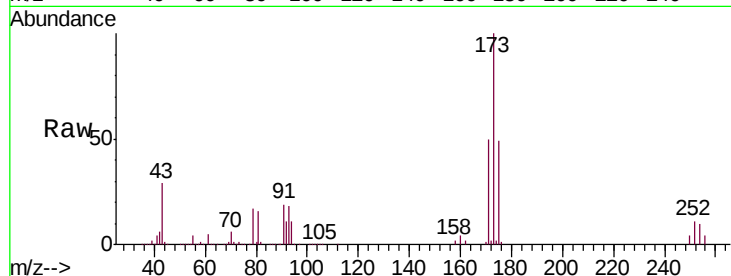
Tgt Ion:173 Resp: 1345650

Ion Ratio Lower Upper

173 100

175 48.8 23.5 70.6

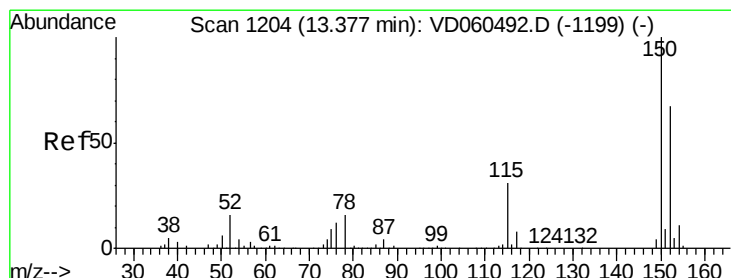
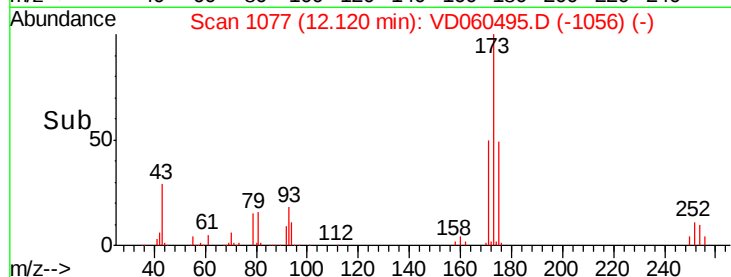
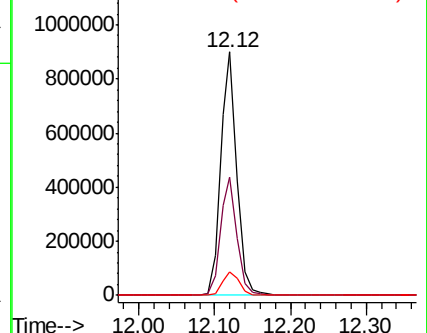
254 9.8 7.8 11.8



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: 13.38 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

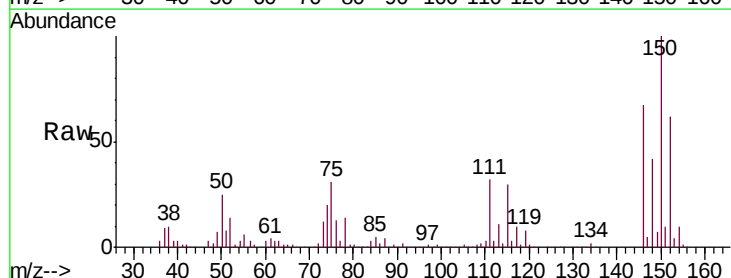
Tgt Ion:152 Resp: 884564

Ion Ratio Lower Upper

152 100

115 47.8 24.6 74.0

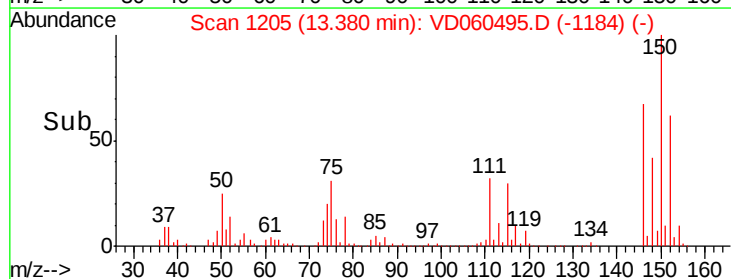
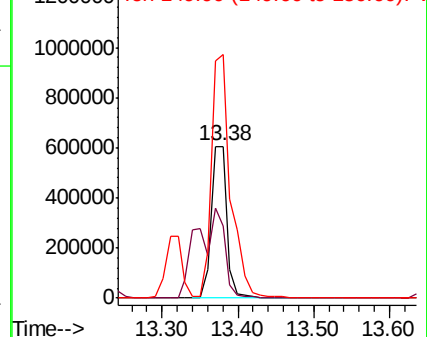
150 160.1 0.0 309.0

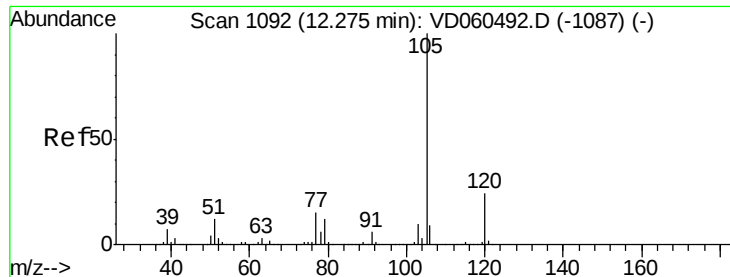


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 118.317 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

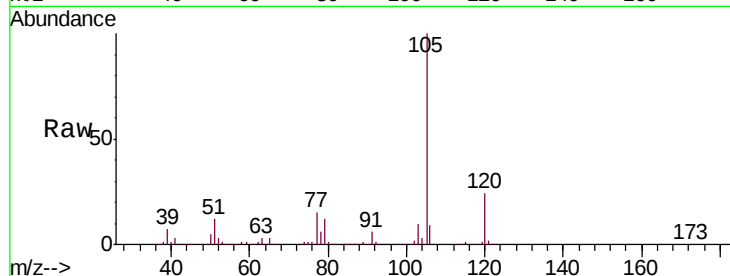
VSTDIC150

Tgt Ion:105 Resp: 7651317

Ion Ratio Lower Upper

105 100

120 24.1 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.28

4000000

3000000

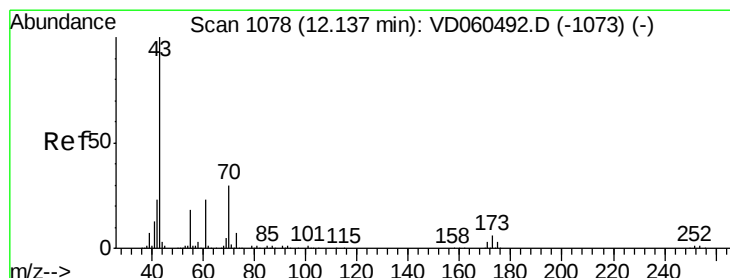
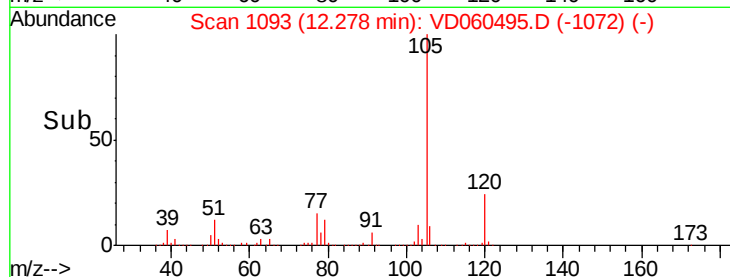
2000000

1000000

0

Time-->

12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 146.154 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Tgt Ion: 43 Resp: 2409094

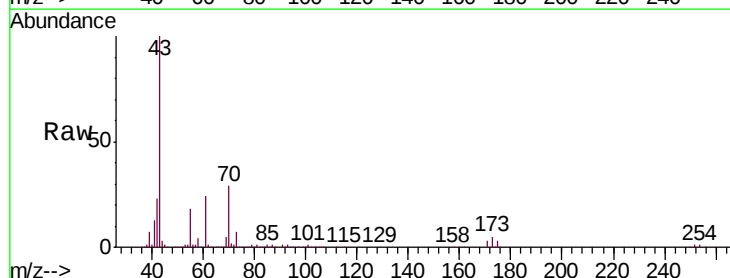
Ion Ratio Lower Upper

43 100

70 29.2 23.8 35.8

55 18.4 14.2 21.2

61 24.0 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

2500000

2000000

1500000

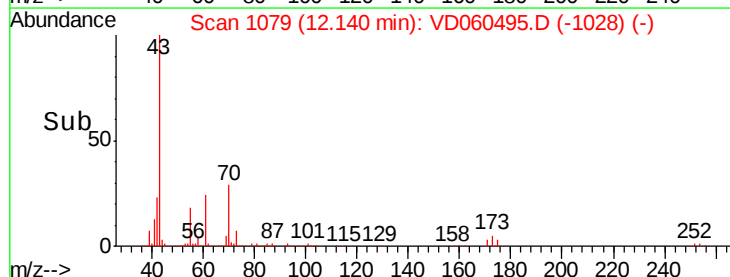
1000000

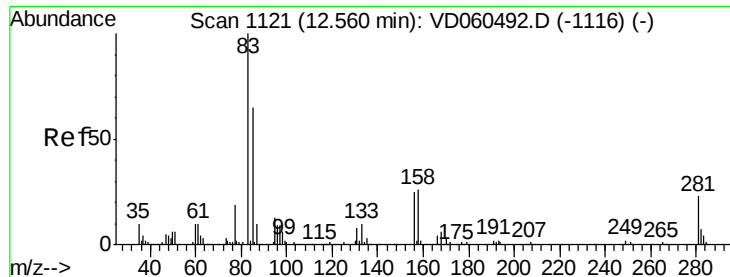
500000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 143.652 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

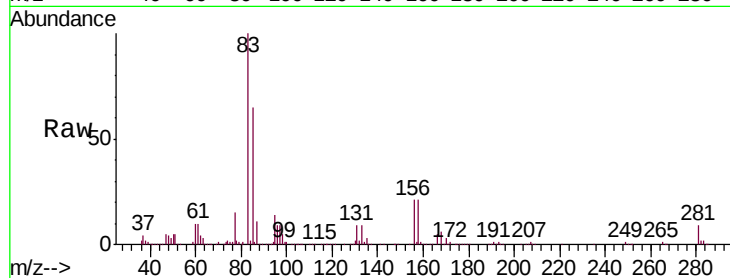
Tgt Ion: 83 Resp: 1503571

Ion Ratio Lower Upper

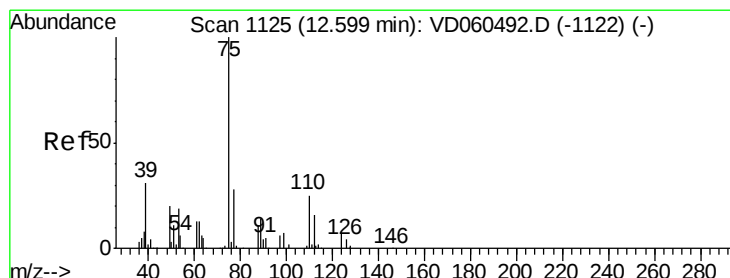
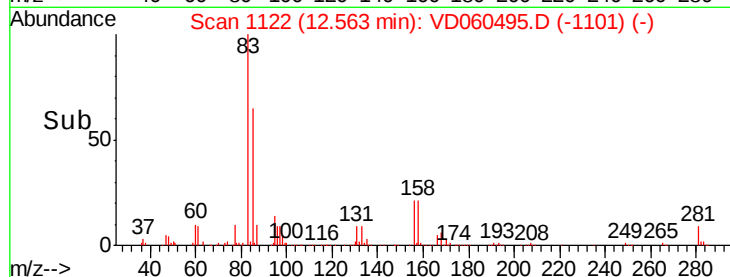
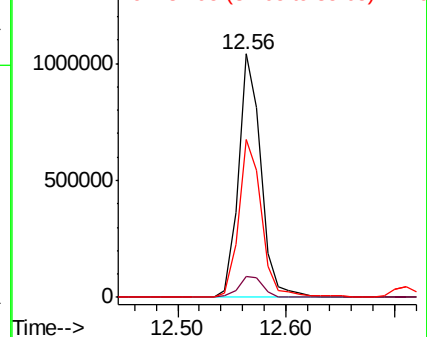
83 100

131 8.7 3.8 11.4

85 65.0 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: 141.977 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD060495.D

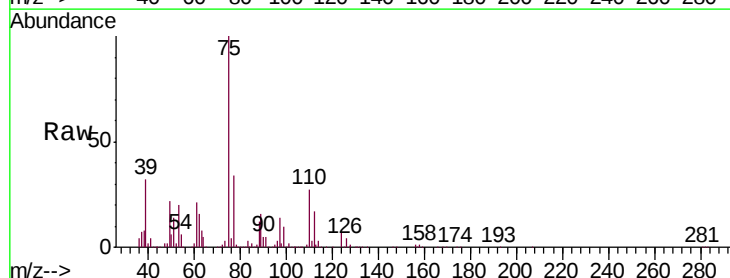
Acq: 5 Dec 2018 16:30

Tgt Ion: 75 Resp: 1496008

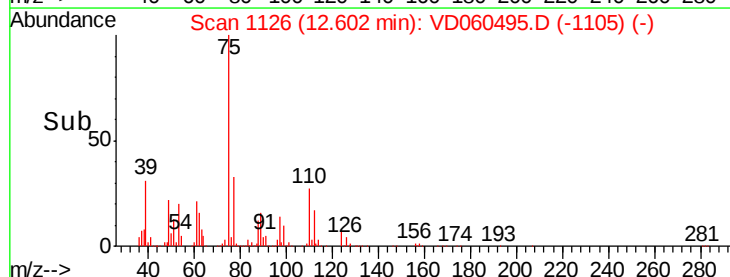
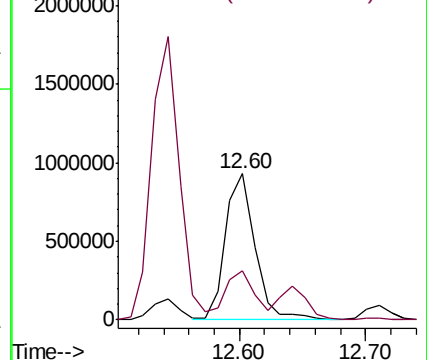
Ion Ratio Lower Upper

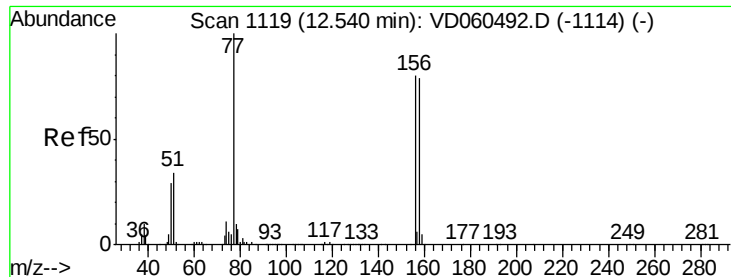
75 100

77 33.6 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: 130.229 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

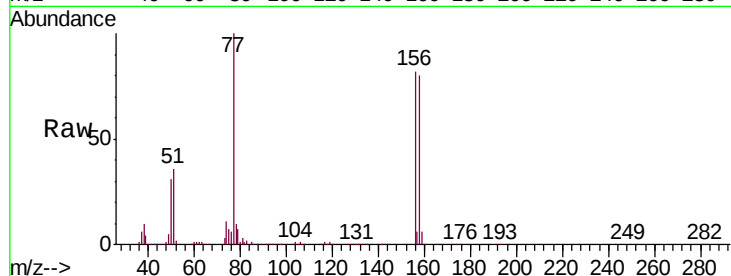
Tgt Ion:156 Resp: 2226617

Ion Ratio Lower Upper

156 100

77 122.0 62.5 187.6

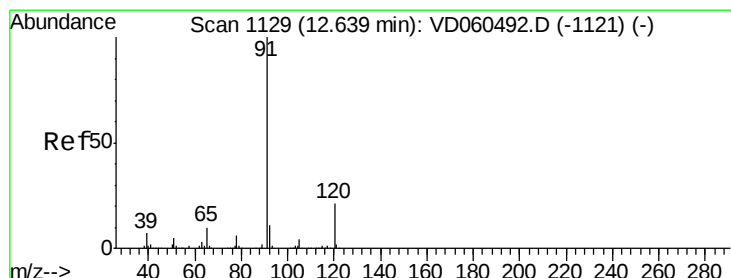
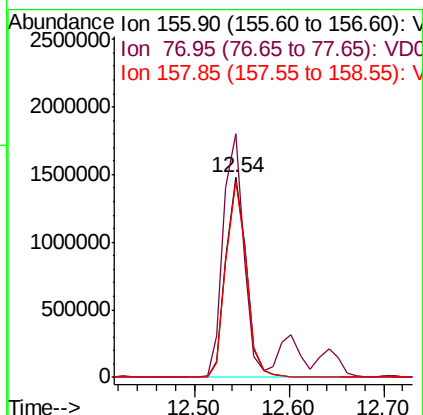
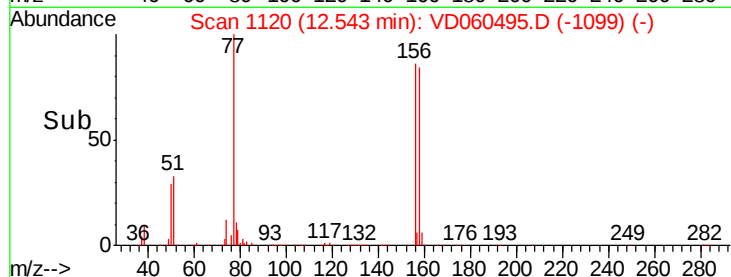
158 98.1 49.4 148.2



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: 112.403 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060495.D

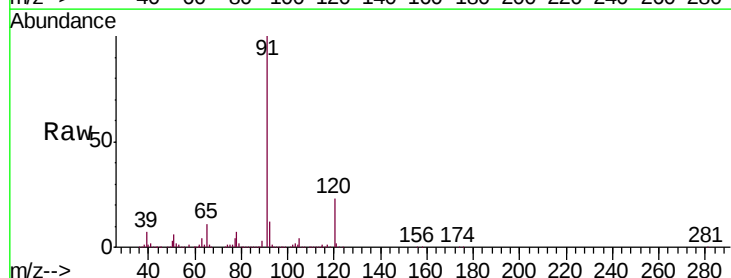
Acq: 5 Dec 2018 16:30

Tgt Ion: 91 Resp: 9014340

Ion Ratio Lower Upper

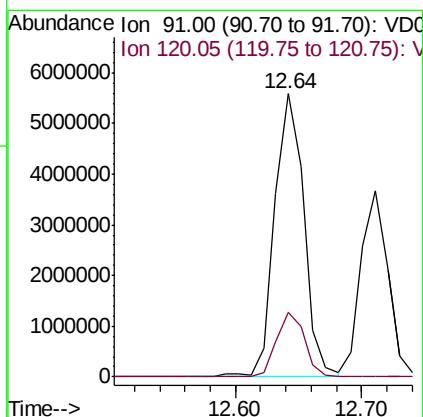
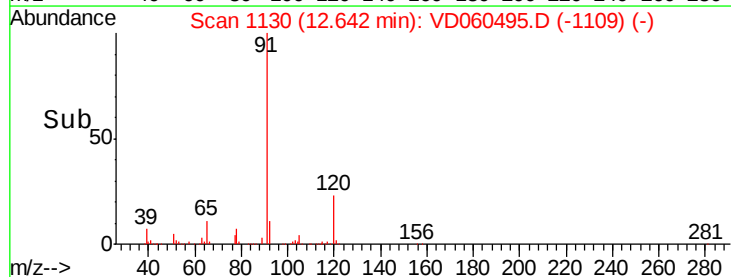
91 100

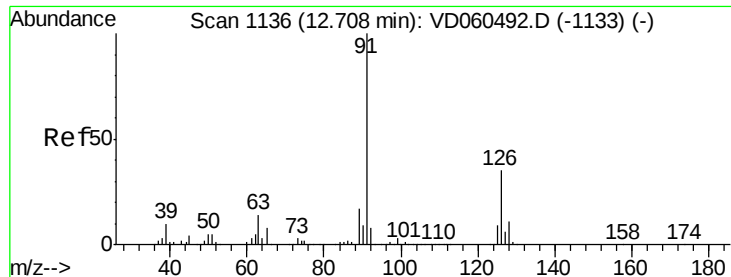
120 22.6 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 125.543 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

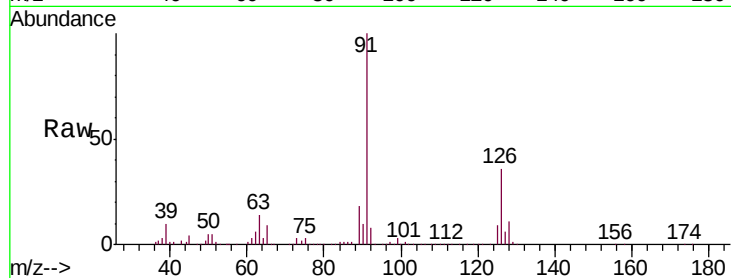
VSTDIC150

Tgt Ion: 91 Resp: 5542276

Ion Ratio Lower Upper

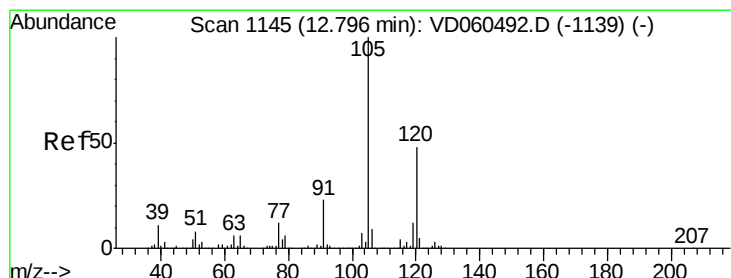
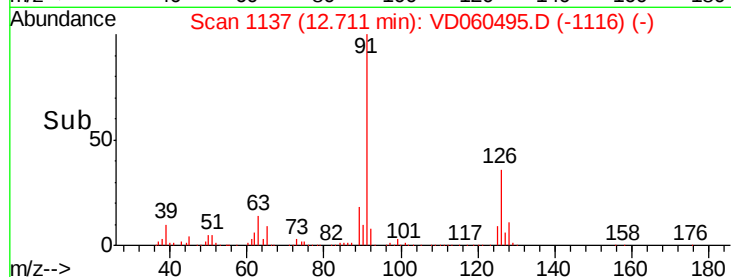
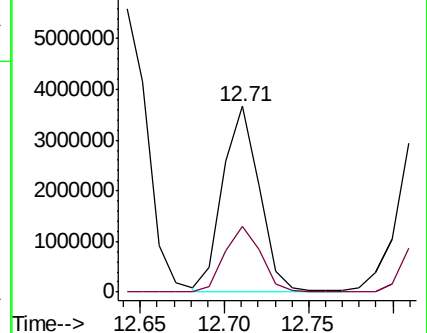
91 100

126 35.6 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: 106.980 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060495.D

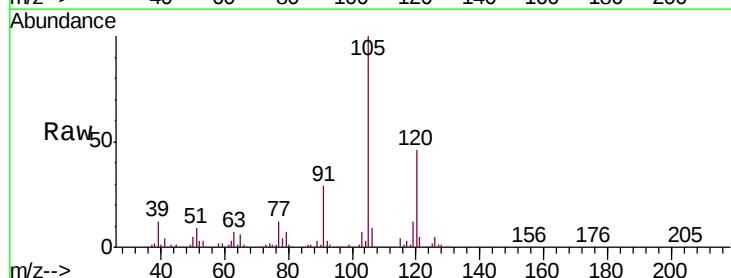
Acq: 5 Dec 2018 16:30

Tgt Ion: 105 Resp: 5332156

Ion Ratio Lower Upper

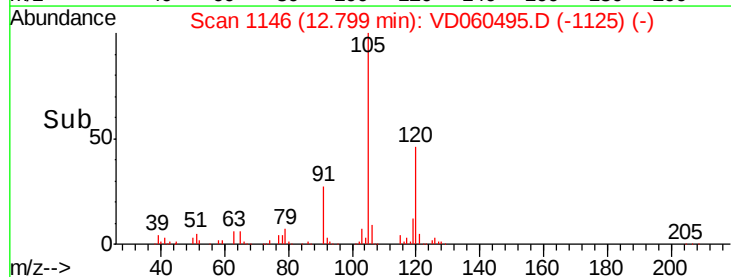
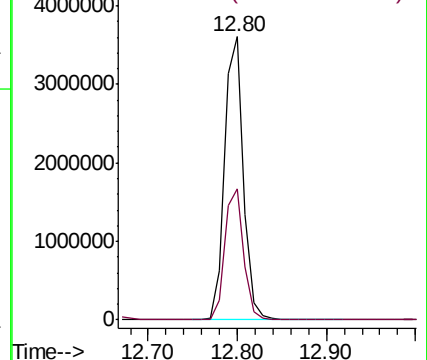
105 100

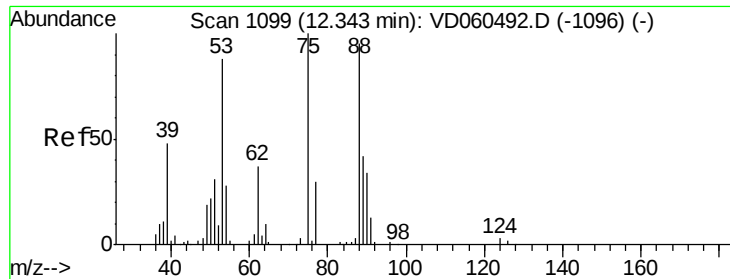
120 46.3 24.2 72.6



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: 154.882 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

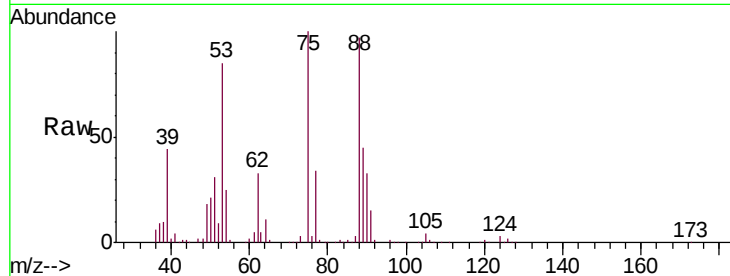
Tgt Ion: 75 Resp: 464917

Ion Ratio Lower Upper

75 100

53 85.4 70.5 105.7

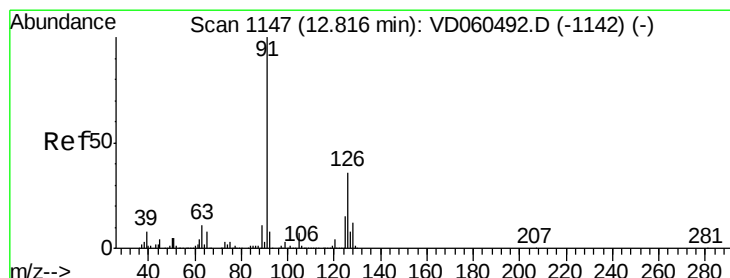
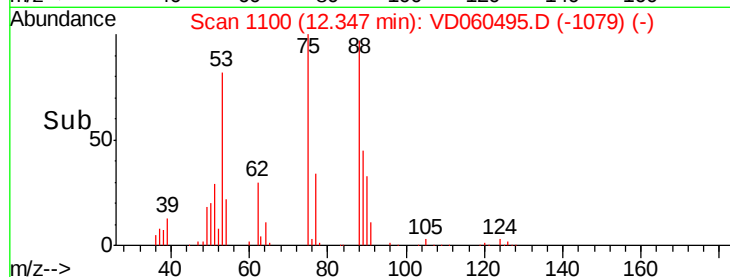
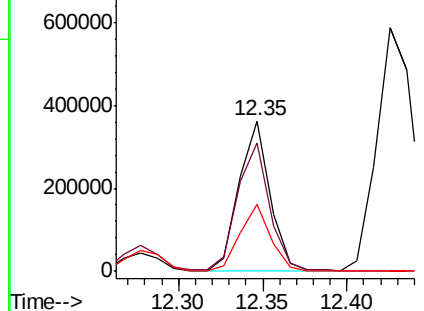
89 44.9 33.6 50.4



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: 106.235 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VD060495.D

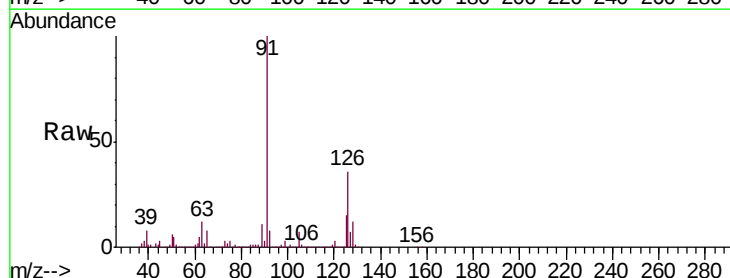
Acq: 5 Dec 2018 16:30

Tgt Ion: 91 Resp: 5248824

Ion Ratio Lower Upper

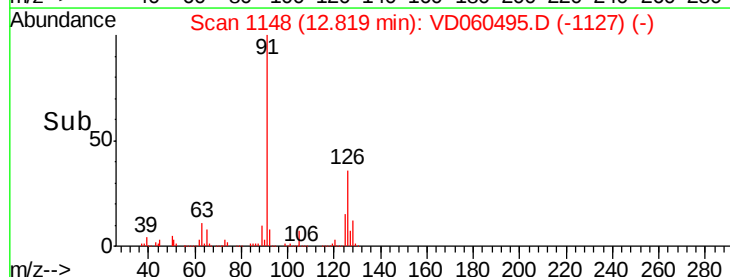
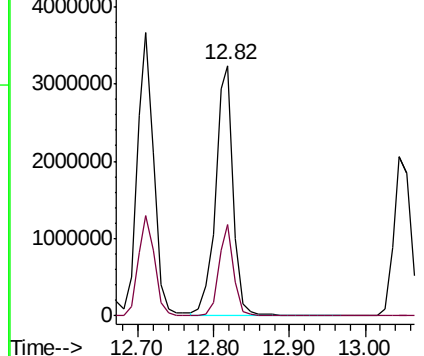
91 100

126 36.4 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

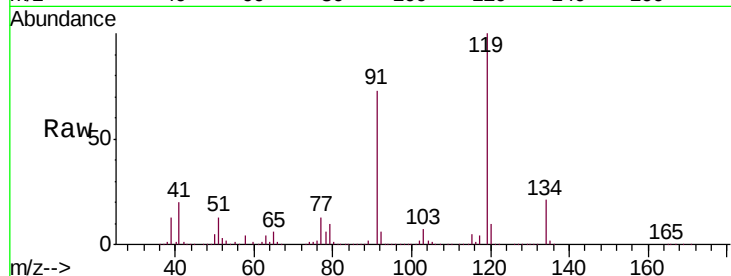




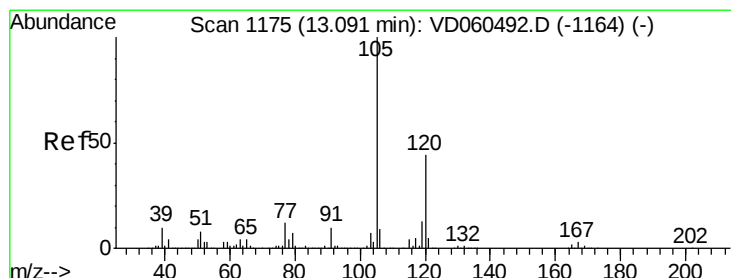
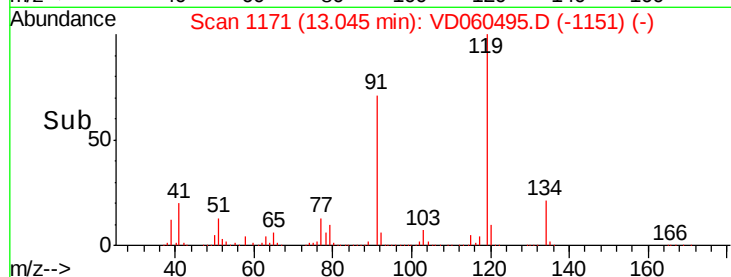
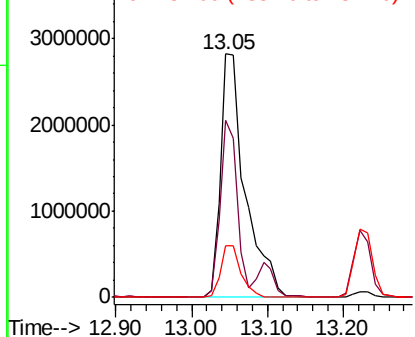
#83
tert-Butylbenzene
Concen: 116.062 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:119 Resp: 6440303
Ion Ratio Lower Upper
119 100
91 73.0 33.1 99.2
134 21.2 12.0 36.0

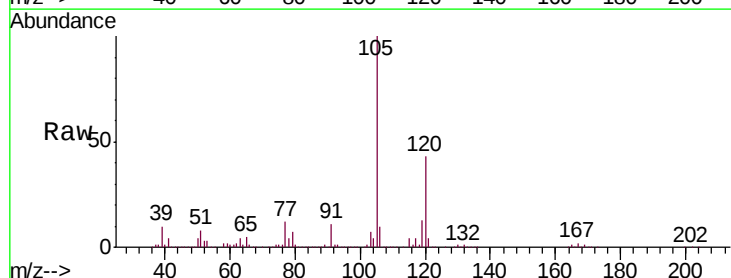


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

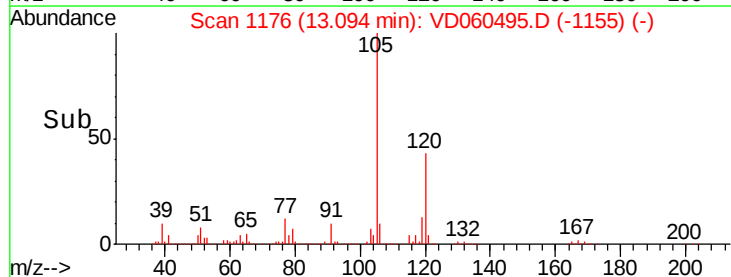
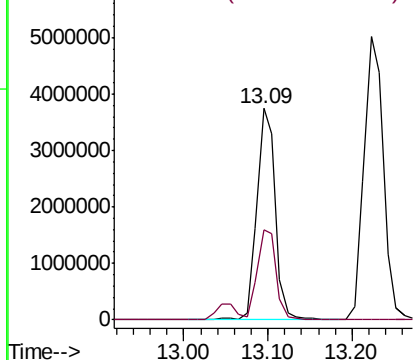


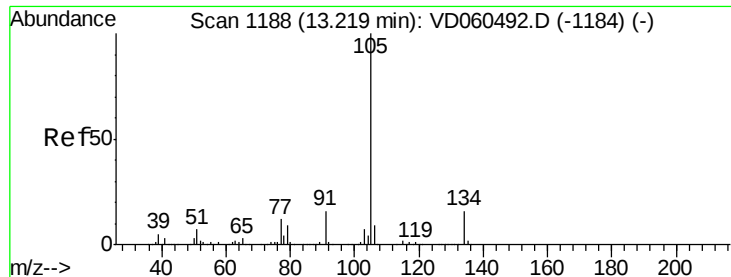
#84
1,2,4-Trimethylbenzene
Concen: 115.676 ug/l
RT: 13.09 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion:105 Resp: 5776277
Ion Ratio Lower Upper
105 100
120 42.9 22.3 66.8



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

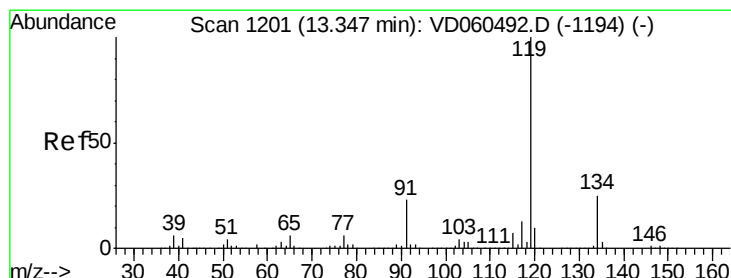
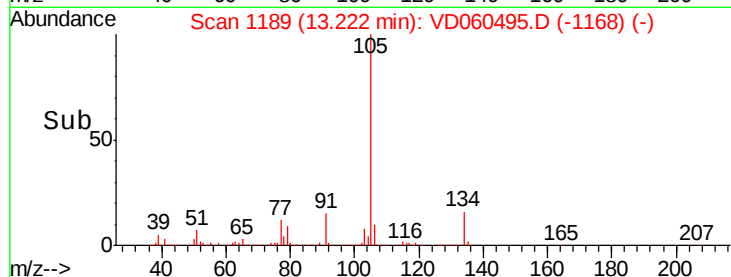
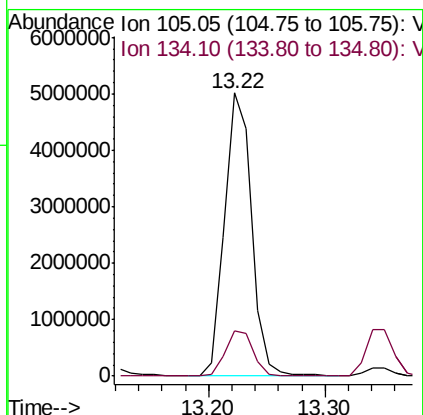
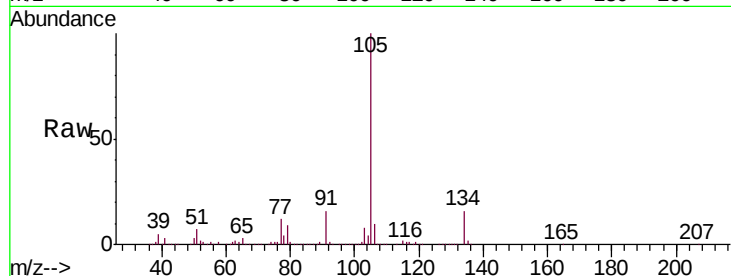




#85
 sec-Butylbenzene
 Concen: 117.752 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

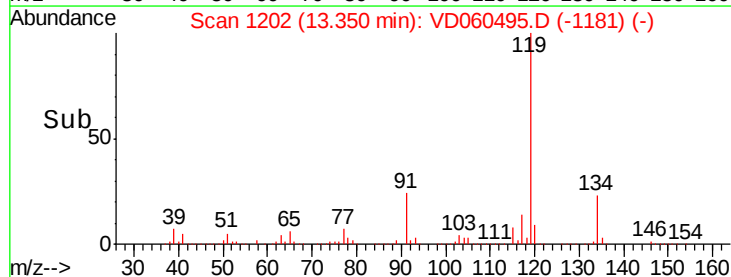
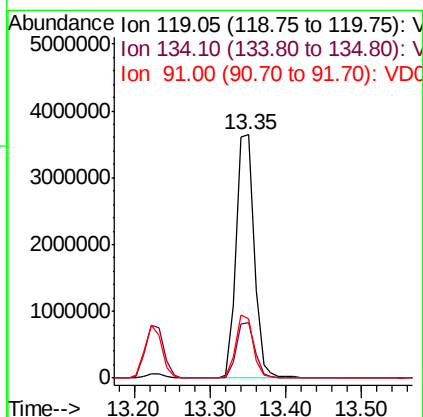
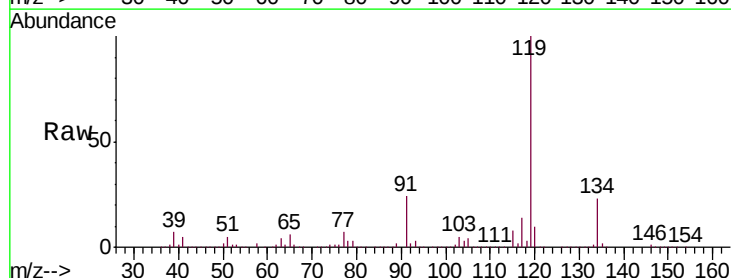
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC150

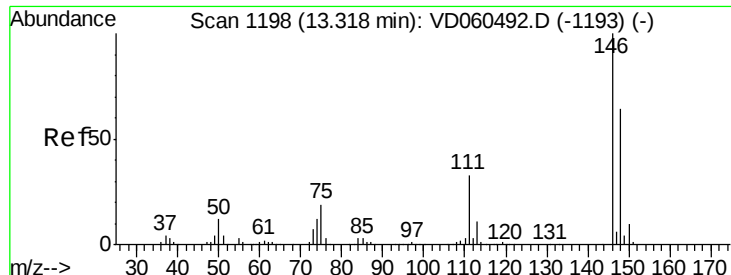
Tgt Ion:105 Resp: 7977894
 Ion Ratio Lower Upper
 105 100
 134 15.9 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 109.119 ug/l
 RT: 13.35 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion:119 Resp: 5944520
 Ion Ratio Lower Upper
 119 100
 134 22.7 12.5 37.5
 91 24.3 11.5 34.4

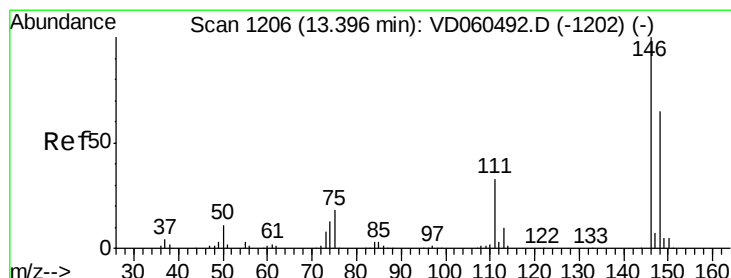
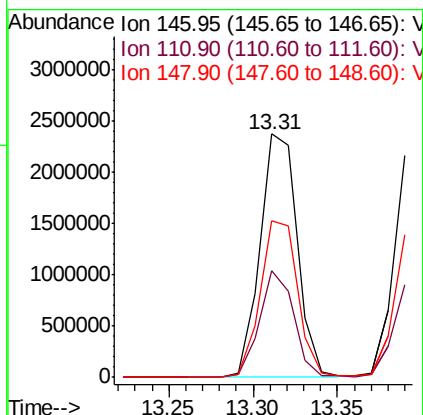
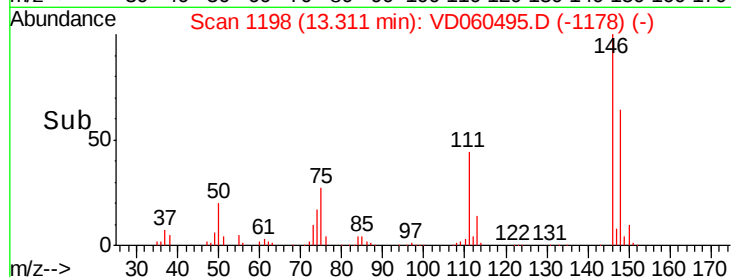
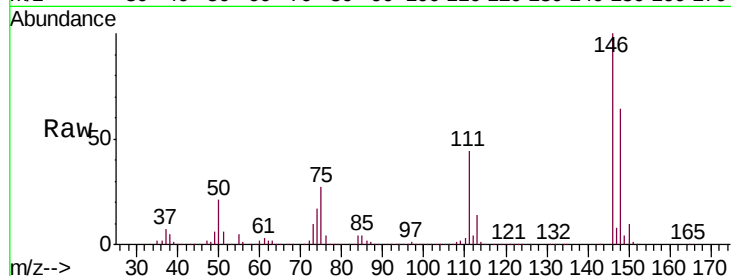




#87
 1,3-Dichlorobenzene
 Concen: 119.751 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

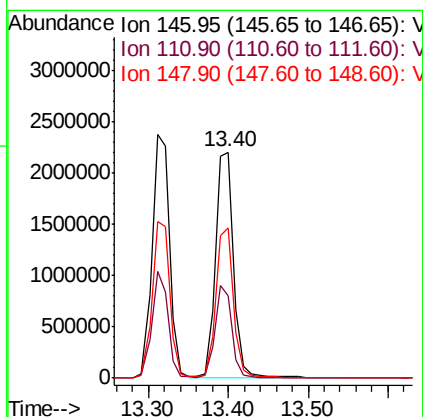
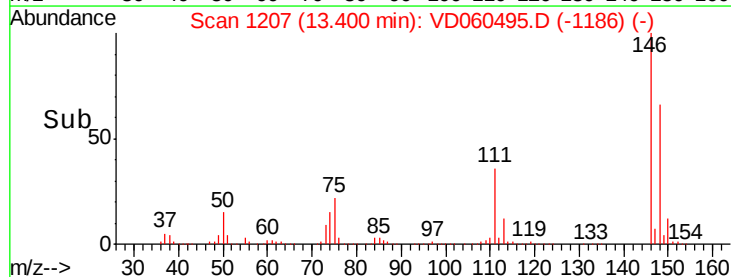
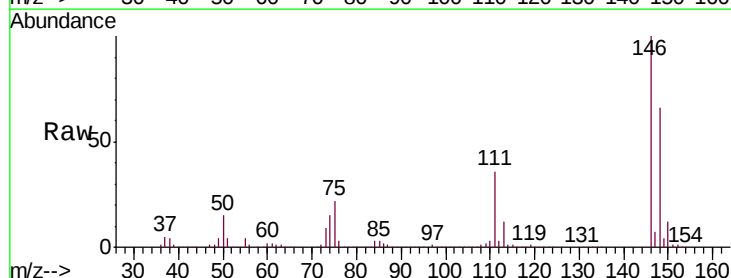
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

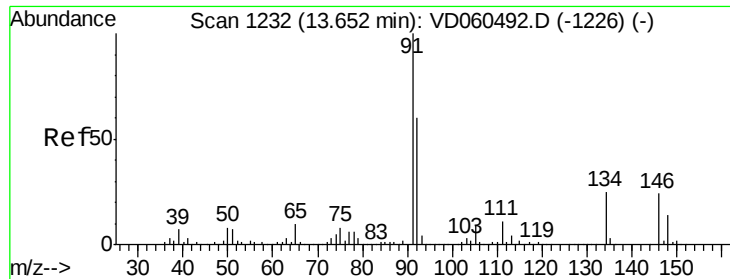
Tgt Ion:146 Resp: 3639153
 Ion Ratio Lower Upper
 146 100
 111 43.8 16.5 49.5
 148 64.1 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 119.137 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion:146 Resp: 3528993
 Ion Ratio Lower Upper
 146 100
 111 36.4 16.4 49.1
 148 66.2 32.6 98.0

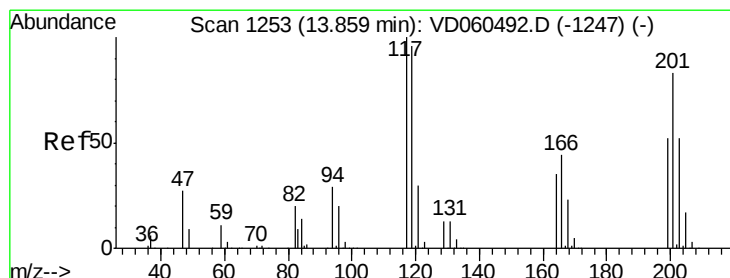
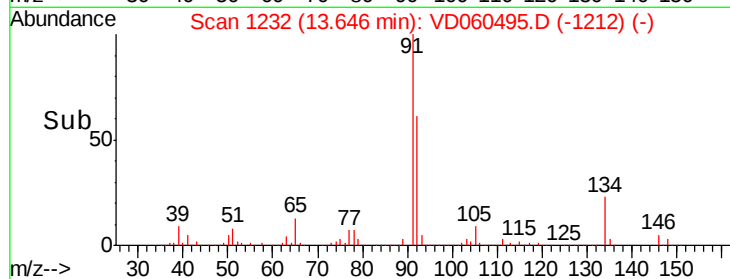
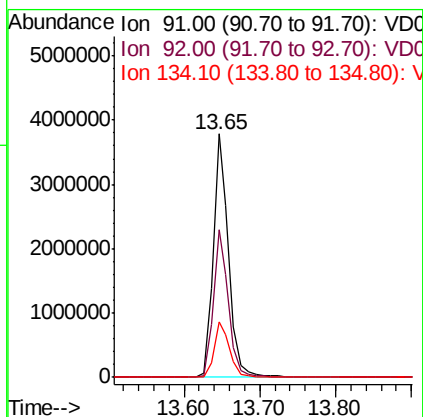
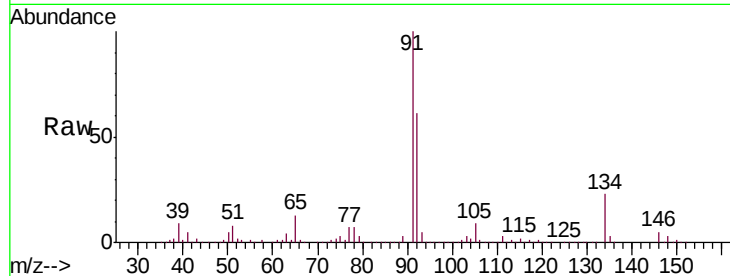




#89
n-Butylbenzene
Concen: 96.589 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

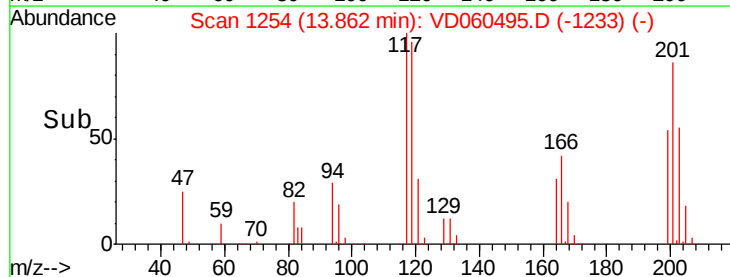
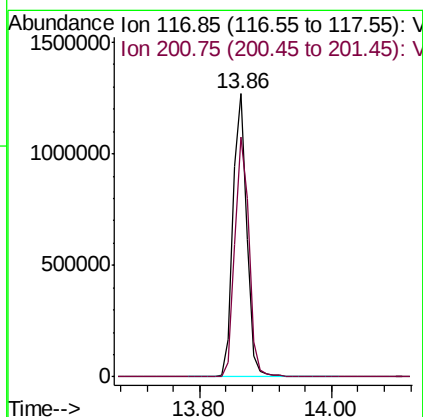
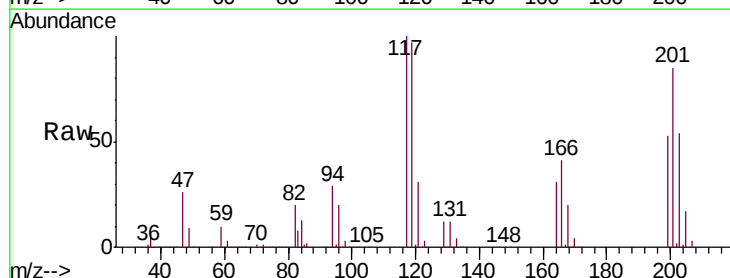
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

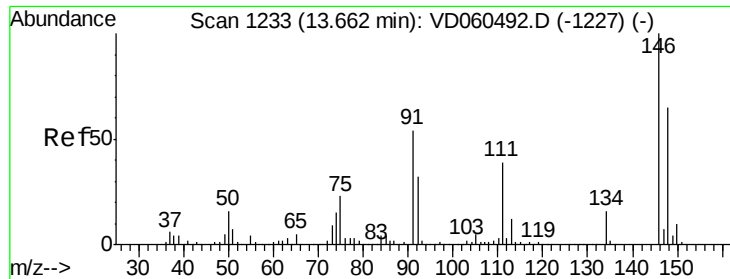
Tgt Ion: 91 Resp: 5384876
Ion Ratio Lower Upper
91 100
92 60.6 30.0 90.1
134 23.0 12.5 37.5



#90
Hexachloroethane
Concen: 143.021 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 117 Resp: 1874404
Ion Ratio Lower Upper
117 100
201 84.6 41.3 123.9

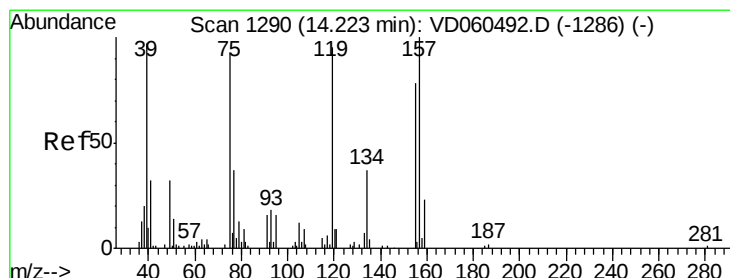
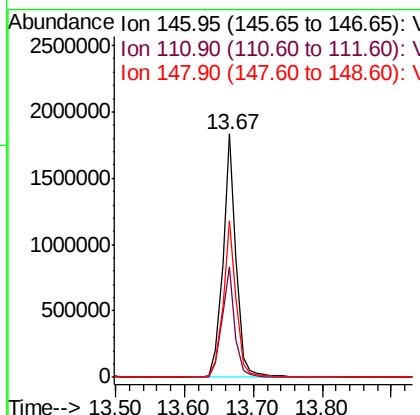
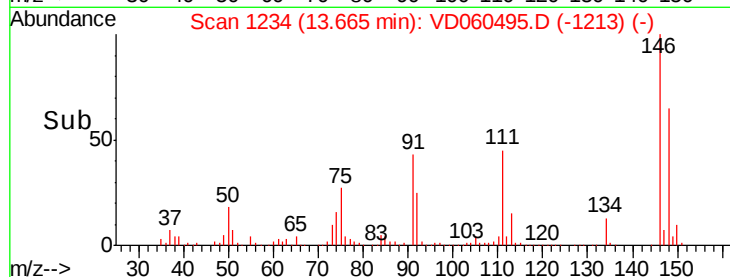
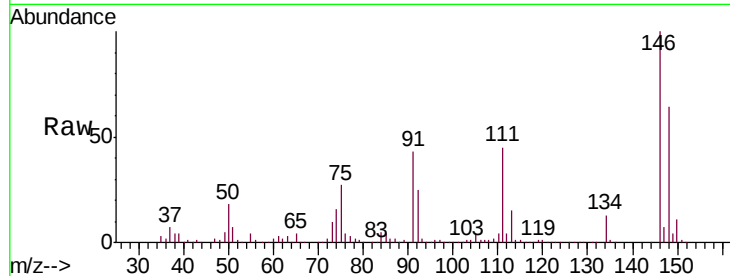




#91
 1,2-Dichlorobenzene
 Concen: 96.469 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

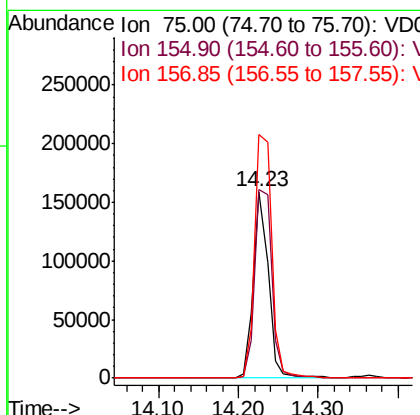
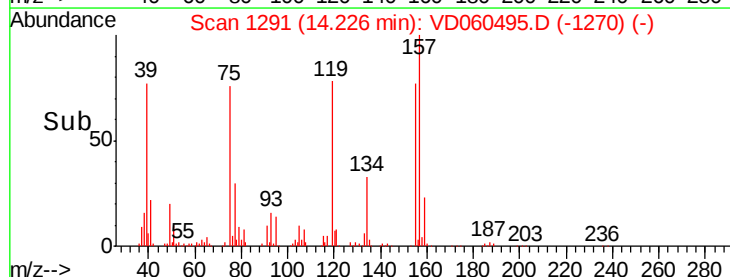
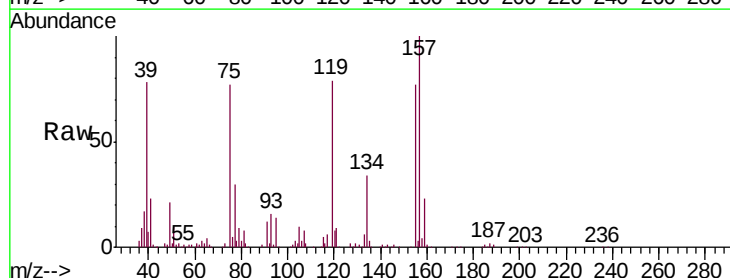
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

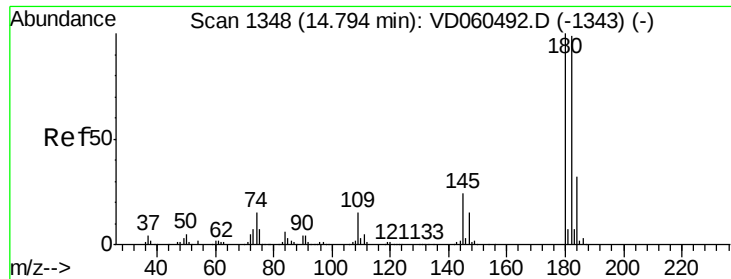
Tgt Ion:146 Resp: 2402985
 Ion Ratio Lower Upper
 146 100
 111 45.3 19.3 57.8
 148 64.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 162.689 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion: 75 Resp: 204923
 Ion Ratio Lower Upper
 75 100
 155 100.8 41.6 124.9
 157 130.5 53.6 160.8

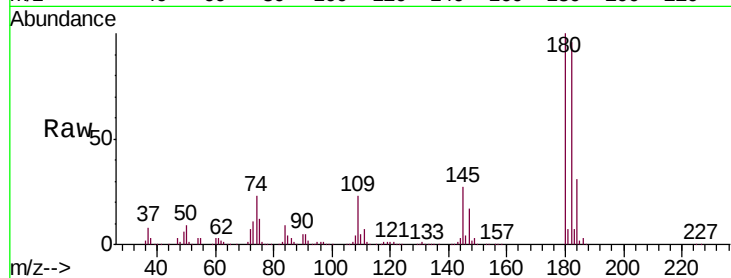




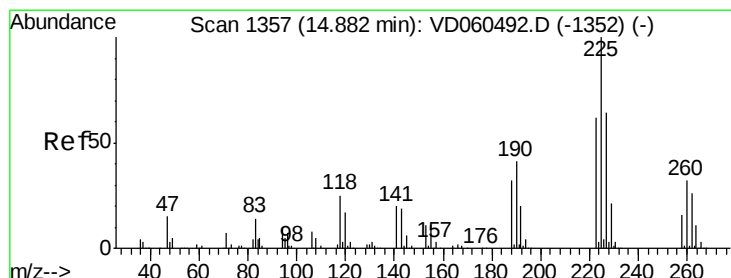
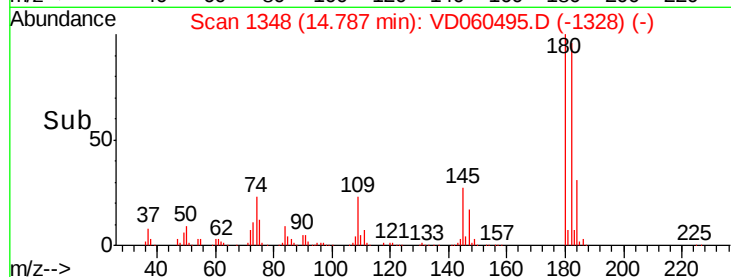
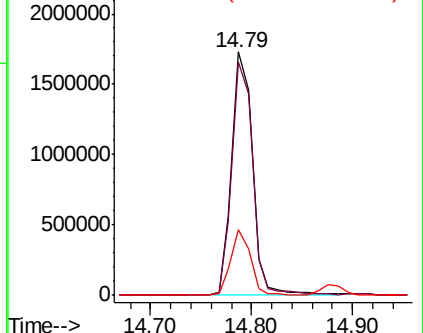
#93
 1,2,4-Trichlorobenzene
 Concen: 126.253 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 2491128
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.4 148.0
 145 27.2 11.9 35.9

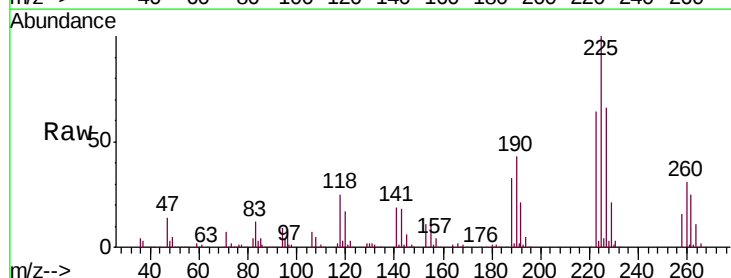


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

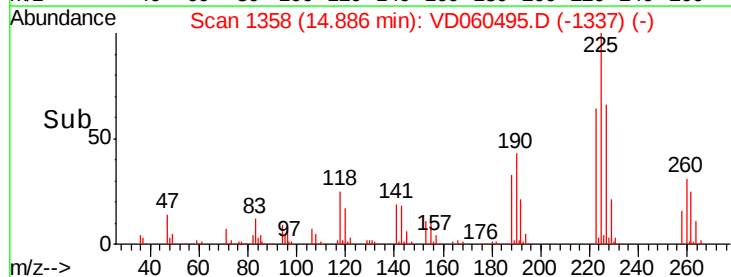
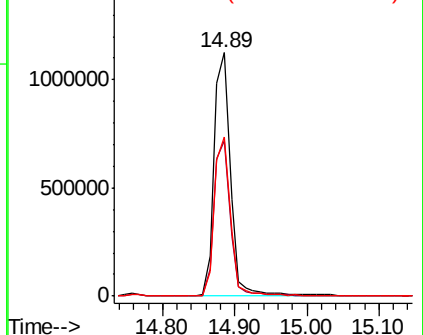


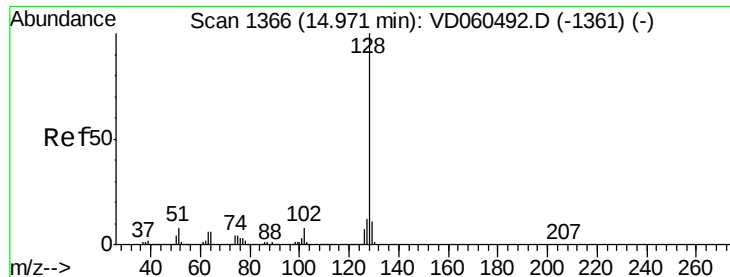
#94
 Hexachlorobutadiene
 Concen: 120.059 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion:225 Resp: 1764508
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.2 93.6
 227 65.6 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

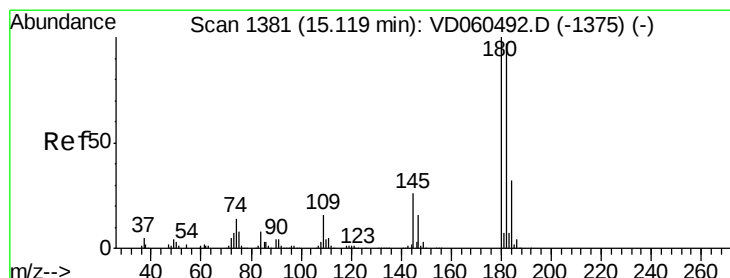
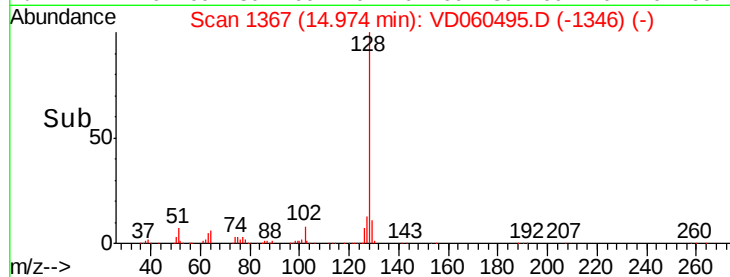
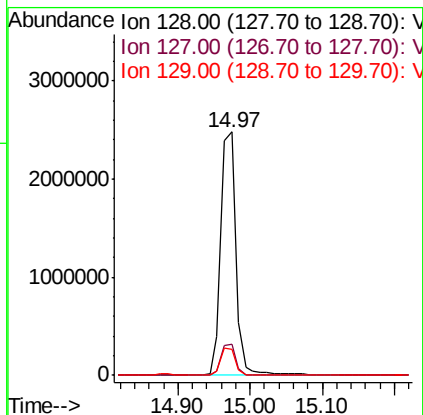
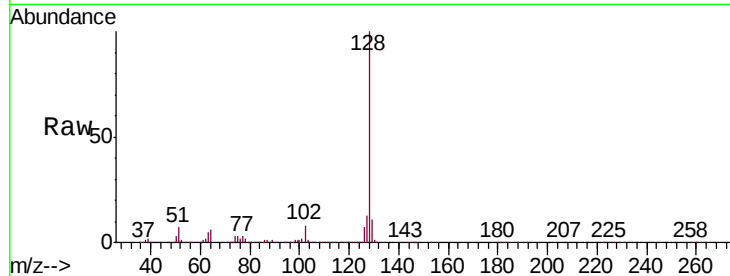




#95
Naphthalene
Concen: 148.898 ug/l
RT: 14.97 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 3606175
Ion Ratio Lower Upper
128 100
127 12.7 9.8 14.8
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 138.531 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion:180 Resp: 2184341
Ion Ratio Lower Upper
180 100
182 95.1 48.5 145.5
145 29.1 12.9 38.7

