

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121918\
 Data File : VD060634.D
 Acq On : 19 Dec 2018 12:18
 Operator : VA/AP
 Sample : VD1219SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 00:24:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1583940	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2132331	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1771453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	913623	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	578044	51.49	ug/l	0.00
Spiked Amount						
			Recovery	=	102.98%	
35) Dibromofluoromethane	6.33	113	822567	52.52	ug/l	0.00
Spiked Amount						
			Recovery	=	105.04%	
50) Toluene-d8	9.45	98	2254428	49.74	ug/l	-0.01
Spiked Amount						
			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.42	95	850980	52.47	ug/l	-0.01
Spiked Amount						
			Recovery	=	104.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	409579	23.717	ug/l	97
3) Chloromethane	1.78	50	370590	22.772	ug/l	100
4) Vinyl Chloride	1.87	62	304565	23.449	ug/l	97
5) Bromomethane	2.17	94	51755	15.928	ug/l	90
6) Chloroethane	2.28	64	73687	16.440	ug/l	98
7) Trichlorofluoromethane	2.52	101	337046	22.474	ug/l	99
8) Diethyl Ether	2.85	74	60990	23.545	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.10	101	229377	23.572	ug/l	98
10) Methyl Iodide	3.26	142	247379	21.749	ug/l	99
11) Tert butyl alcohol	4.00	59	43513	95.399	ug/l	99
12) 1,1-Dichloroethene	3.09	96	182191	23.012	ug/l	92
13) Acrolein	3.00	56	41369	83.005	ug/l	98
14) Allyl chloride	3.55	41	363060	24.170	ug/l	98
15) Acrylonitrile	4.11	53	278735	107.625	ug/l	98
16) Acetone	3.18	43	192304	106.861	ug/l	97
17) Carbon Disulfide	3.33	76	556722	21.648	ug/l	100
18) Methyl Acetate	3.57	43	96513	22.566	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	474200	21.598	ug/l	100
20) Methylene Chloride	3.73	84	393596	21.248	ug/l	95
21) trans-1,2-Dichloroethene	4.12	96	361897	21.014	ug/l	96
22) Diisopropyl ether	4.86	45	1165049	21.603	ug/l	99
23) Vinyl Acetate	4.81	43	2876966	107.669	ug/l	99
24) 1,1-Dichloroethane	4.77	63	606181	21.636	ug/l	100
25) 2-Butanone	5.63	43	375026	105.924	ug/l	98
26) 2,2-Dichloropropane	5.59	77	477664	22.069	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	371980	21.244	ug/l	98
28) Bromochloromethane	5.94	49	229713	18.508	ug/l	98
29) Tetrahydrofuran	5.97	42	214810	107.142	ug/l	99
30) Chloroform	6.11	83	616772	21.851	ug/l	98
31) Cyclohexane	6.37	56	571978	21.706	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	498732	21.493	ug/l	99
36) 1,1-Dichloropropene	6.53	75	466144	22.364	ug/l	97
37) Ethyl Acetate	5.71	43	201637	22.307	ug/l	99
38) Carbon Tetrachloride	6.51	117	421041	22.501	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	537538	22.623	ug/l	97
40) Benzene	6.80	78	1241113	23.299	ug/l	98
41) Methacrylonitrile	5.96	41	222779	45.719	ug/l #	67
42) 1,2-Dichloroethane	6.90	62	307473	22.702	ug/l	99
43) Isopropyl Acetate	8.35	43	240483	21.552	ug/l #	98
44) Trichloroethene	7.74	130	361097	22.683	ug/l	98
45) 1,2-Dichloropropane	8.10	63	297108	22.552	ug/l	100
46) Dibromomethane	8.22	93	166713	21.902	ug/l	97
47) Bromodichloromethane	8.49	83	411802	22.801	ug/l	97
48) Methyl methacrylate	8.25	41	144809	21.933	ug/l	95
49) 1,4-Dioxane	8.23	88	26928	450.005	ug/l	91
51) 4-Methyl-2-Pentanone	9.34	43	772123	111.240	ug/l	100
52) Toluene	9.55	92	739704	22.217	ug/l	97
53) t-1,3-Dichloropropene	9.91	75	342347	23.068	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	445052	22.825	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	203479	21.946	ug/l	96
56) Ethyl methacrylate	10.03	69	192107	22.894	ug/l	99
57) 1,3-Dichloropropane	10.38	76	328267	22.903	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	580865	115.691	ug/l	99
59) 2-Hexanone	10.48	43	538567	111.008	ug/l	99
60) Dibromochloromethane	10.64	129	267376	23.065	ug/l	98
61) 1,2-Dibromoethane	10.76	107	211981	22.434	ug/l	97
64) Tetrachloroethene	10.25	164	329175	20.985	ug/l	98
65) Chlorobenzene	11.31	112	827214	22.073	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	270769	22.416	ug/l	99
67) Ethyl Benzene	11.43	91	1424503	22.285	ug/l	100
68) m/p-Xylenes	11.57	106	1067175	45.126	ug/l	98
69) o-Xylene	11.93	106	492538	21.854	ug/l	89
70) Styrene	11.95	104	789864	21.834	ug/l	94
71) Bromoform	12.12	173	171419	21.271	ug/l	99
73) Isopropylbenzene	12.27	105	1361597	21.061	ug/l	98
74) N-amyl acetate	12.13	43	321769	20.593	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	225296	21.767	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	219144	21.169	ug/l	99
77) Bromobenzene	12.54	156	359935	21.180	ug/l	94
78) n-propylbenzene	12.64	91	1799839	22.023	ug/l	99
79) 2-Chlorotoluene	12.71	91	960894	21.668	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	1099929	22.265	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	59427	20.583	ug/l	98
82) 4-Chlorotoluene	12.81	91	1101368	22.112	ug/l	92
83) tert-Butylbenzene	13.04	119	1241259	22.409	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	1092582	21.359	ug/l	98
85) sec-Butylbenzene	13.22	105	1504711	21.796	ug/l	96
86) p-Isopropyltoluene	13.34	119	1247277	22.791	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	674735	21.929	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	654965	21.698	ug/l	97
89) n-Butylbenzene	13.64	91	1318930	21.793	ug/l	97
90) Hexachloroethane	13.86	117	293021	21.355	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	561574	22.333	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	26247	20.929	ug/l	88

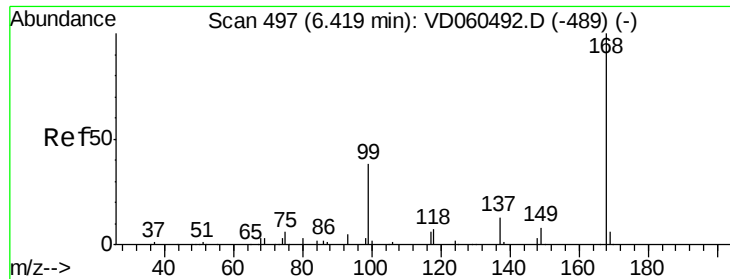
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	424503	21.596	ug/l	98
94) Hexachlorobutadiene	14.88	225	308512	21.272	ug/l	99
95) Naphthalene	14.97	128	483970	20.696	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	335994	21.452	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

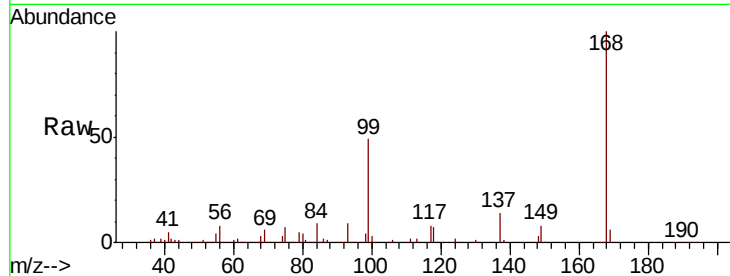
ClientSampleId :

Tot Ion:168 Resp: 1583940

Ion Ratio Lower Upper

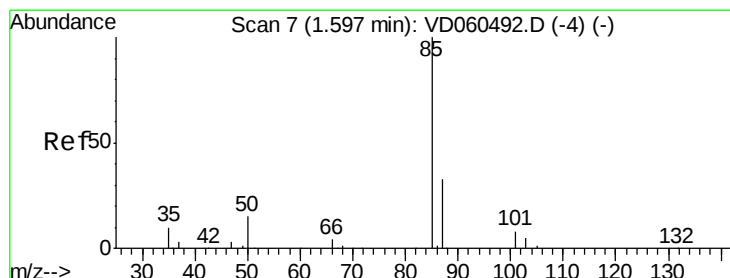
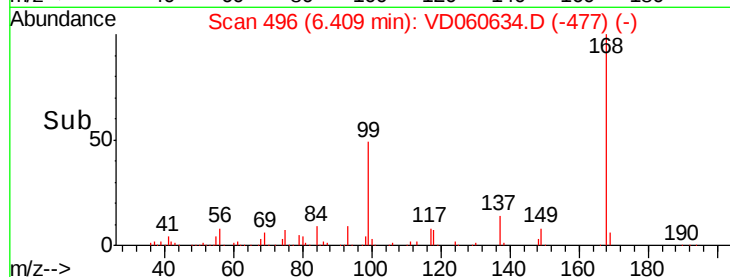
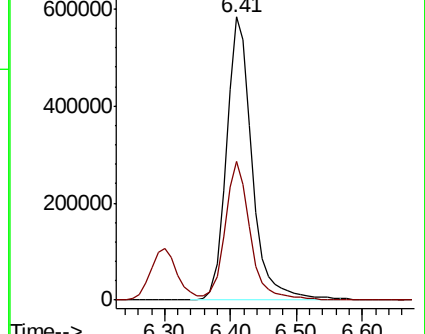
168 100

99 49.0 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: 23.717 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060634.D

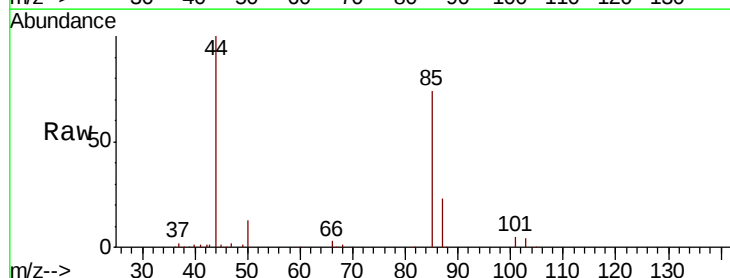
Acq: 19 Dec 2018 12:18

Tgt Ion: 85 Resp: 409579

Ion Ratio Lower Upper

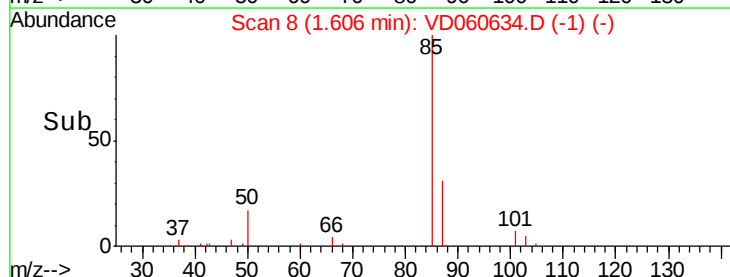
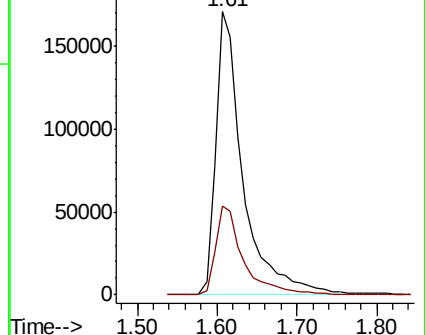
85 100

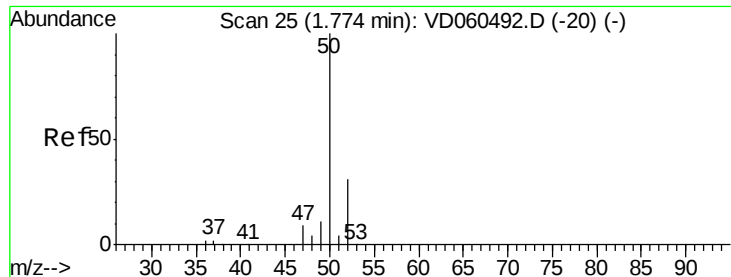
87 31.3 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.772 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

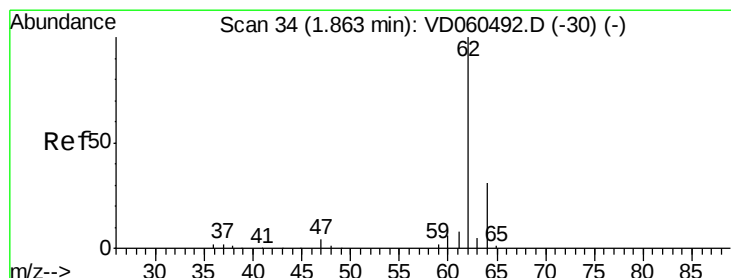
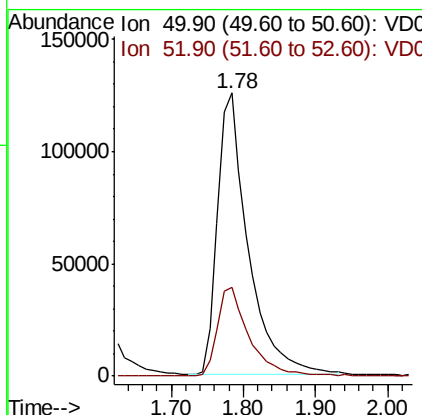
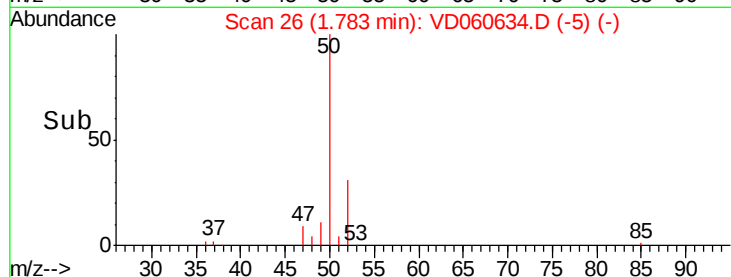
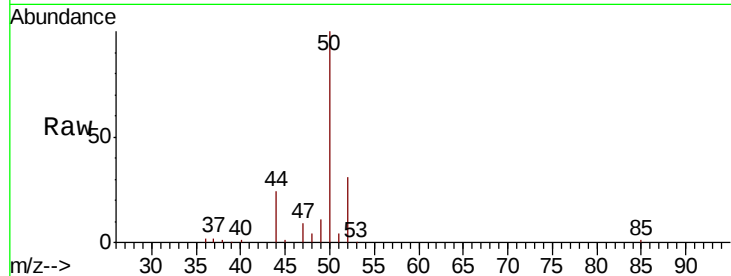
ClientSampleId :

Tot Ion: 50 Resp: 370590

Ion Ratio Lower Upper

50 100

52 31.5 25.0 37.4



#4

Vinyl Chloride

Concen: 23.449 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060634.D

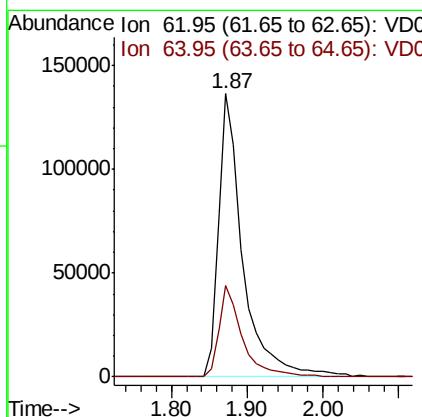
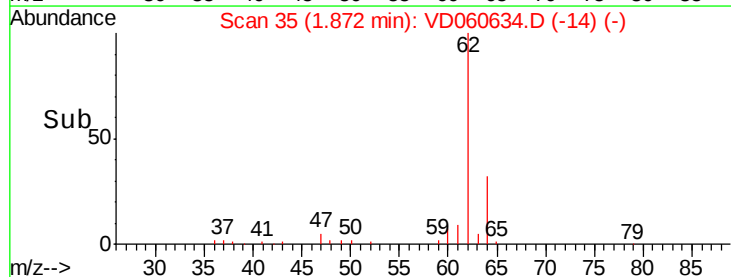
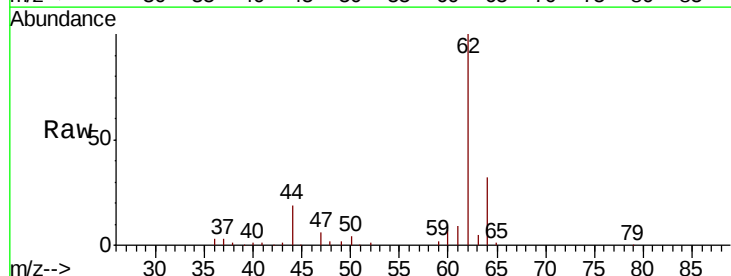
Acq: 19 Dec 2018 12:18

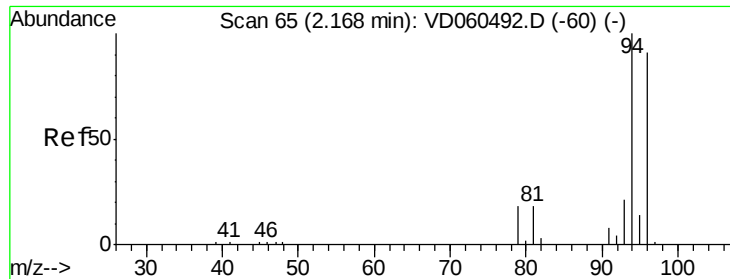
Tgt Ion: 62 Resp: 304565

Ion Ratio Lower Upper

62 100

64 32.5 24.6 37.0

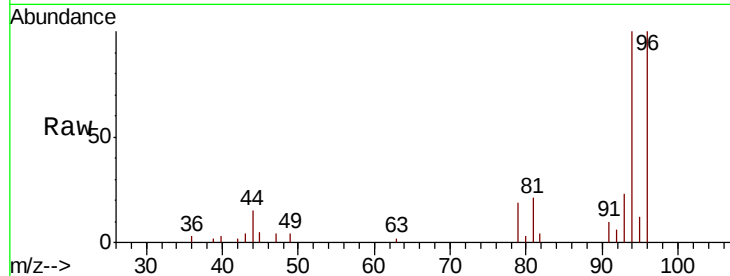




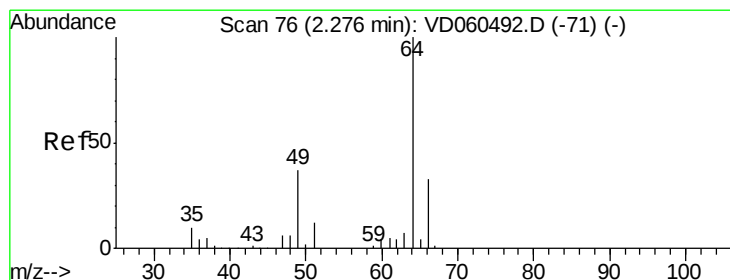
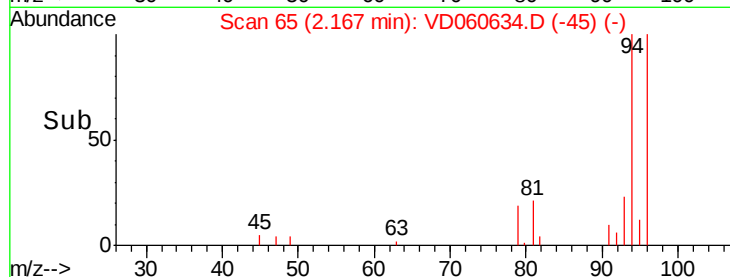
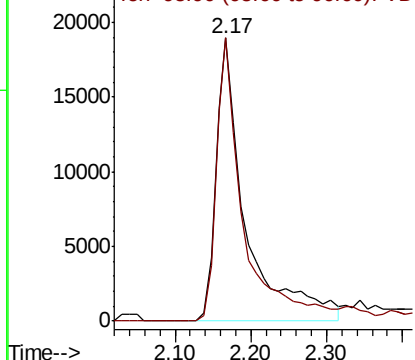
#5
Bromomethane
Concen: 15.928 ug/l
RT: 2.17 min Scan# 65
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 51755
Ion Ratio Lower Upper
94 100
96 99.9 72.6 108.8

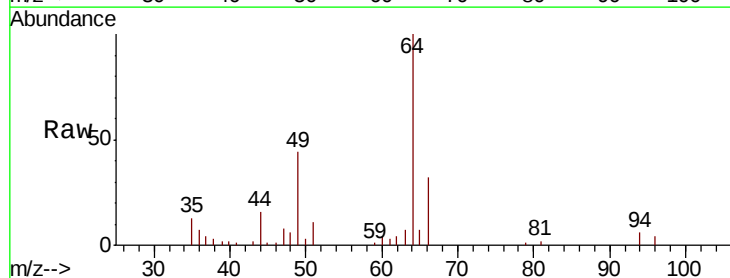


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

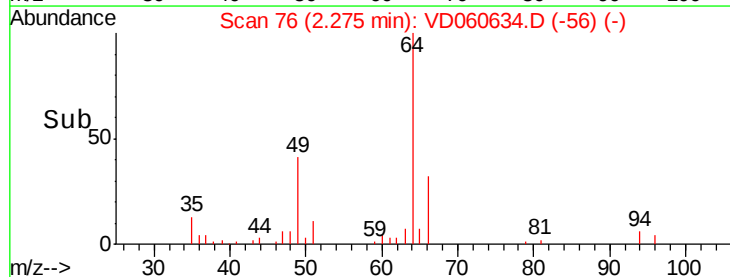
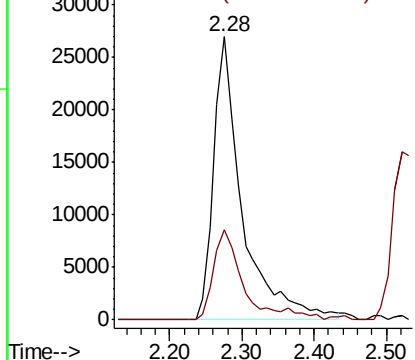


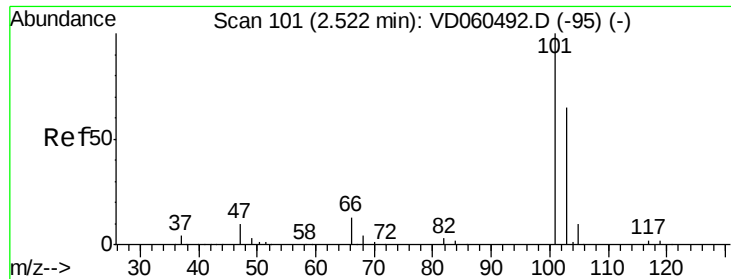
#6
Chloroethane
Concen: 16.440 ug/l
RT: 2.28 min Scan# 76
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 64 Resp: 73687
Ion Ratio Lower Upper
64 100
66 31.8 26.4 39.6



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



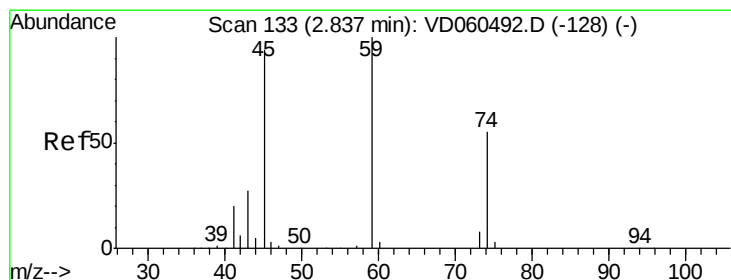
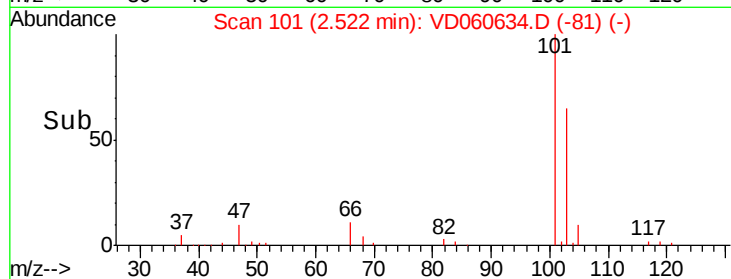
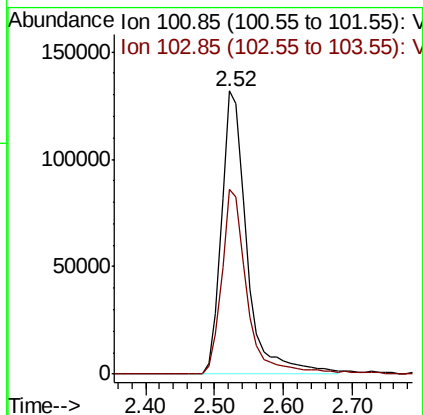
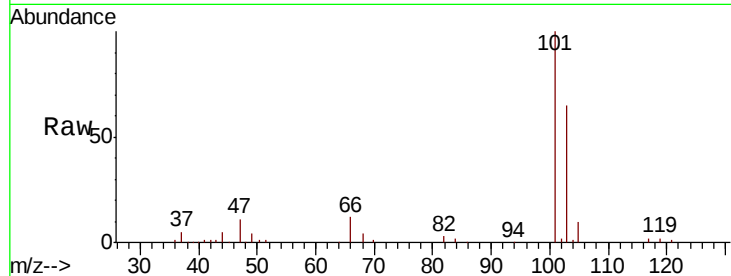


#7

Trichlorofluoromethane
 Concen: 22.474 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :

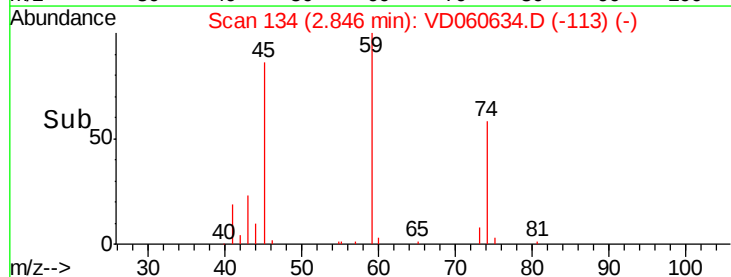
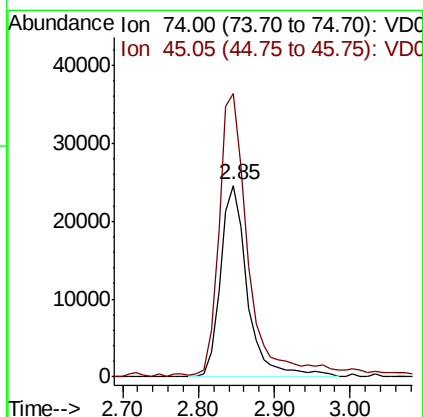
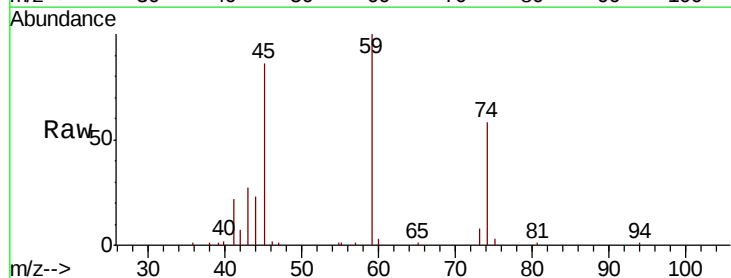
Tot Ion:101 Resp: 337046
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.8 77.8

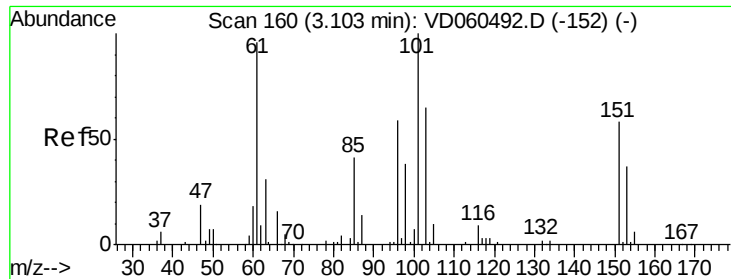


#8

Diethyl Ether
 Concen: 23.545 ug/l
 RT: 2.85 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion: 74 Resp: 60990
 Ion Ratio Lower Upper
 74 100
 45 148.0 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.572 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampled :

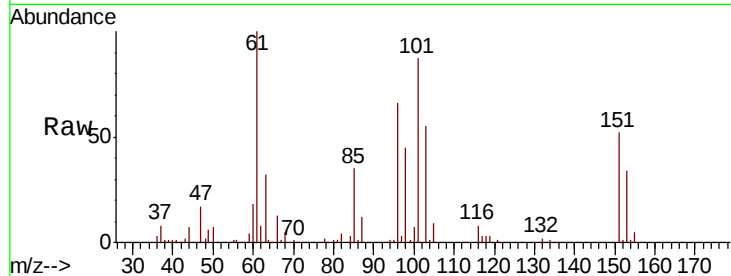
Tot Ion:101 Resp: 229377

Ion Ratio Lower Upper

101 100

85 39.5 32.7 49.1

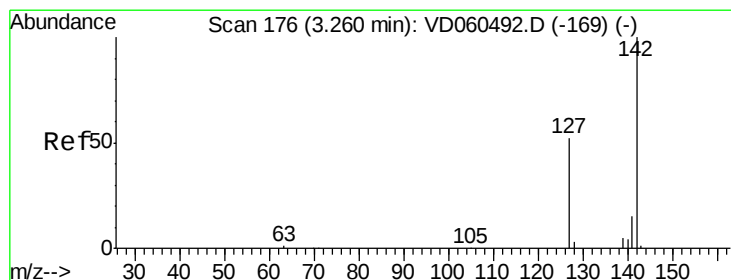
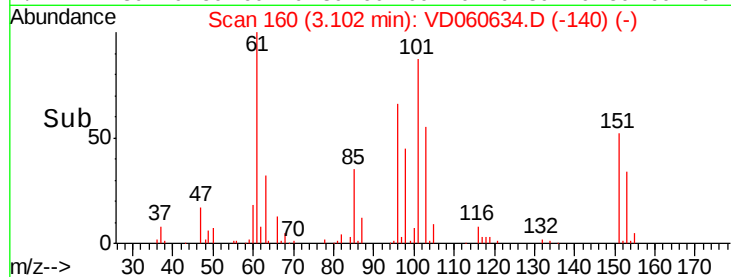
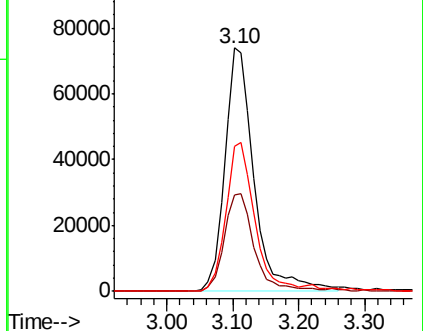
151 59.4 46.6 69.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 21.749 ug/l

RT: 3.26 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

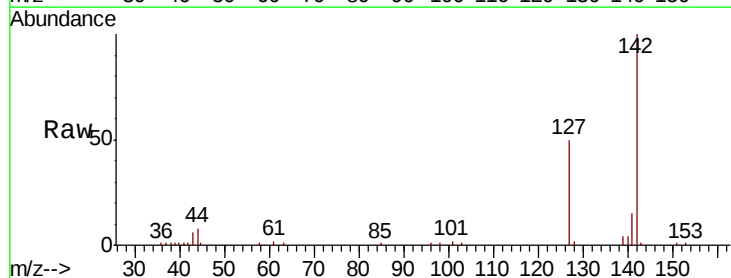
Tgt Ion:142 Resp: 247379

Ion Ratio Lower Upper

142 100

127 50.3 41.2 61.8

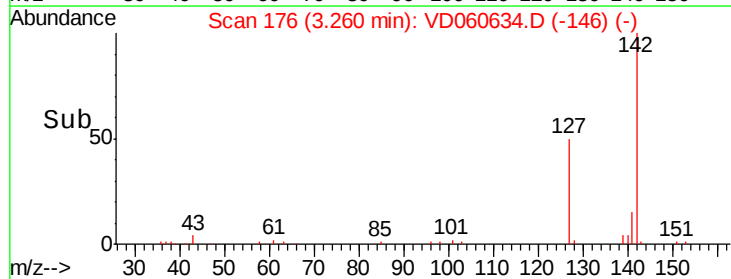
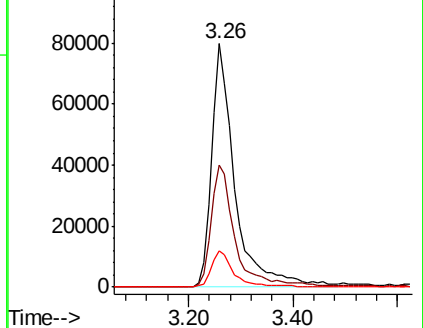
141 14.7 11.9 17.9

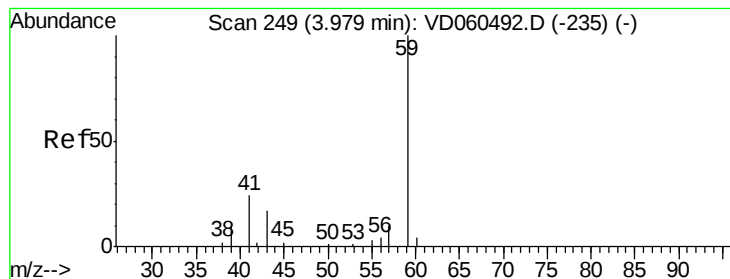


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 95.399 ug/l

RT: 4.00 min Scan# 251

Delta R.T. 0.02 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

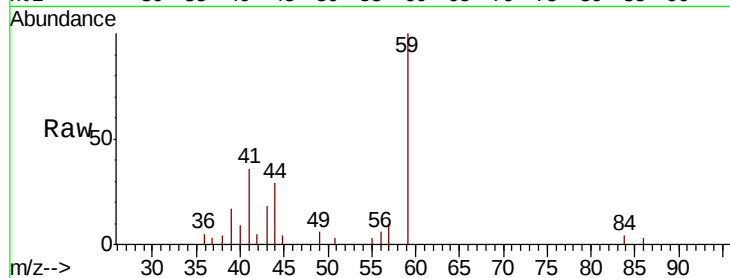
ClientSampleId :

Tot Ion: 59 Resp: 43513

Ion Ratio Lower Upper

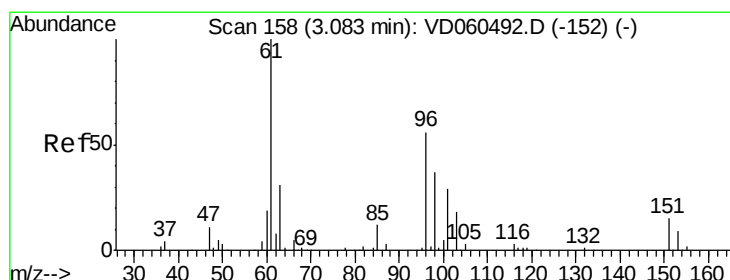
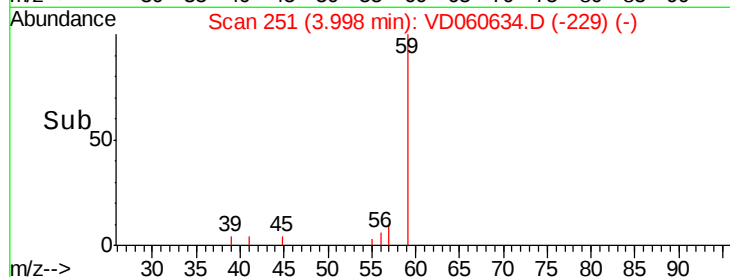
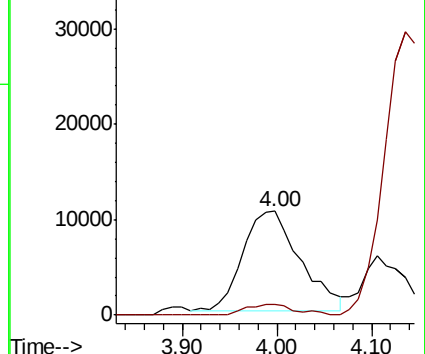
59 100

57 10.4 8.1 12.1



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 23.012 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

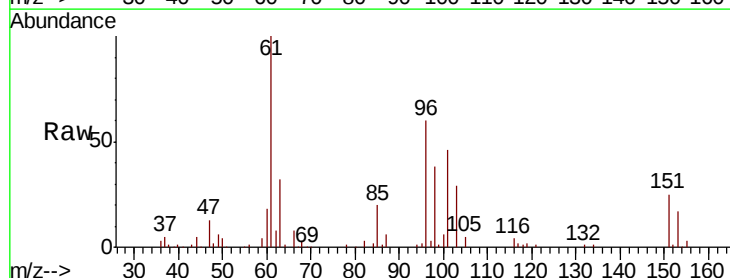
Tgt Ion: 96 Resp: 182191

Ion Ratio Lower Upper

96 100

61 165.4 143.0 214.4

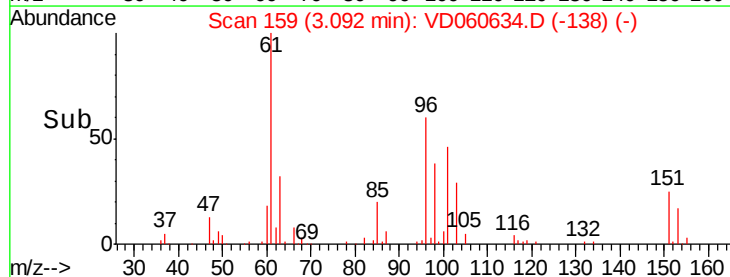
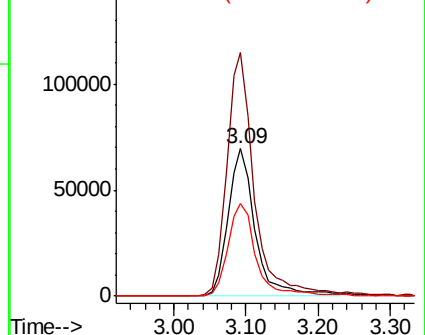
98 62.6 53.4 80.0

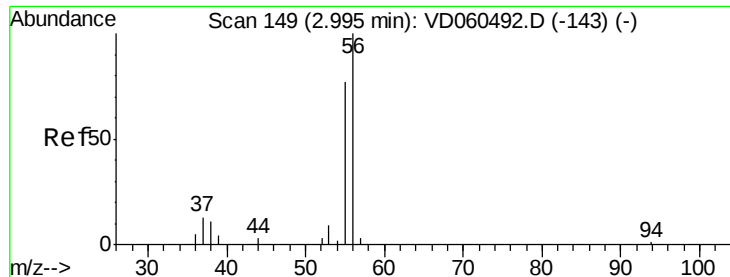


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 83.005 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

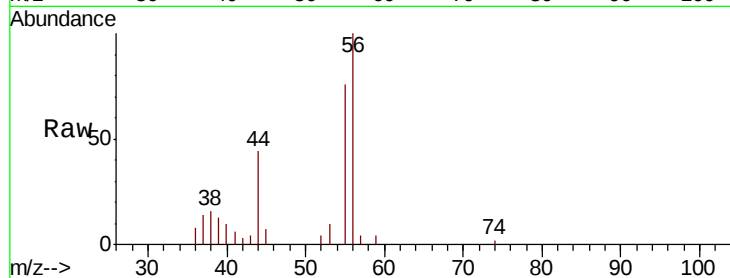
ClientSampleId :

Tot Ion: 56 Resp: 41369

Ion Ratio Lower Upper

56 100

55 75.6 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

10000

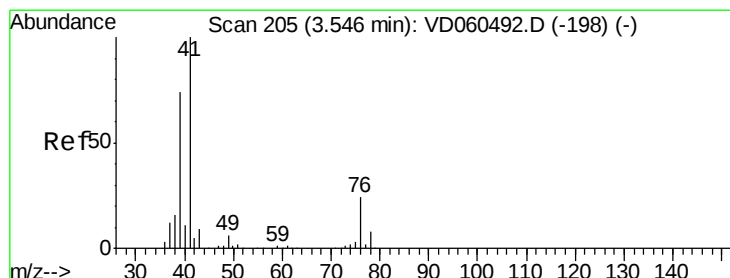
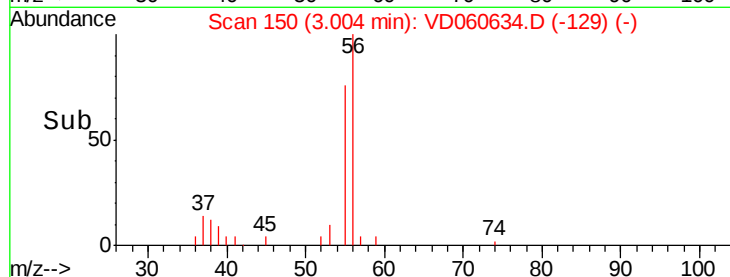
5000

0

Time-->

2.90 3.00 3.10 3.20

3.00



#14

Allyl chloride

Concen: 24.170 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

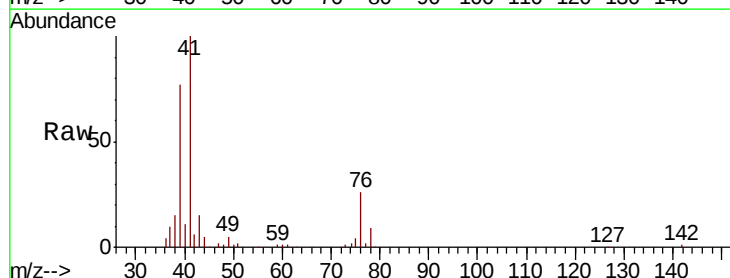
Tgt Ion: 41 Resp: 363060

Ion Ratio Lower Upper

41 100

39 76.7 59.3 88.9

76 26.4 21.0 31.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

100000

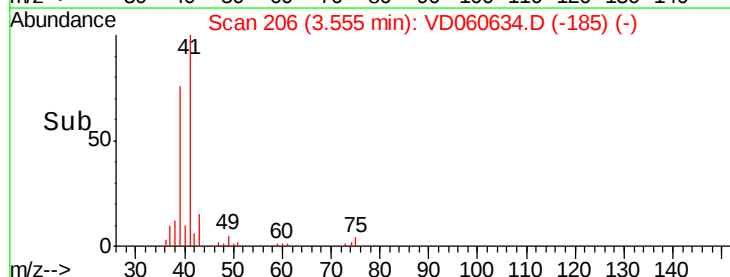
50000

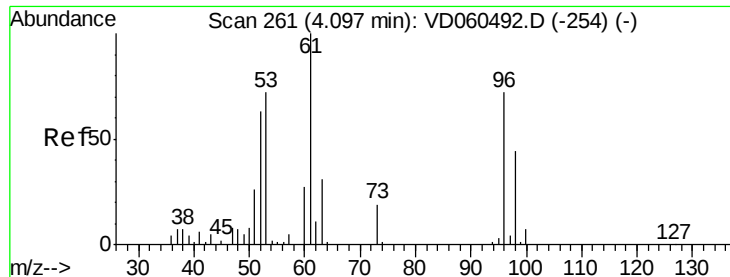
0

Time-->

3.40 3.50 3.60 3.70

3.55





#15

Acrylonitrile

Concen: 107.625 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampled :

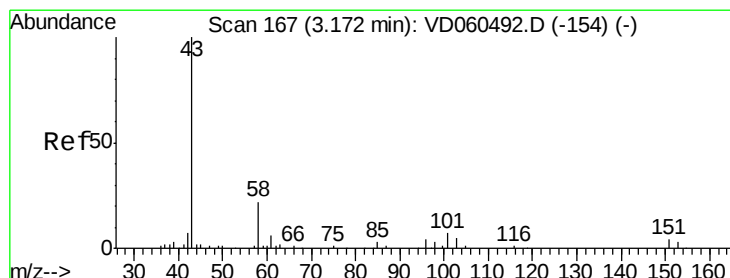
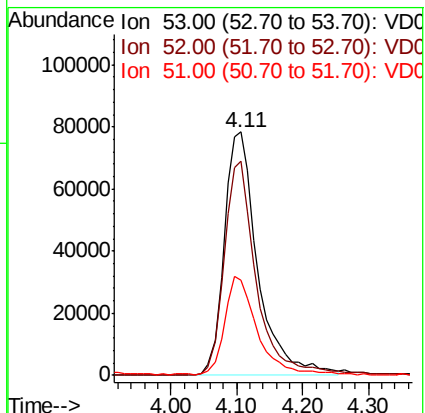
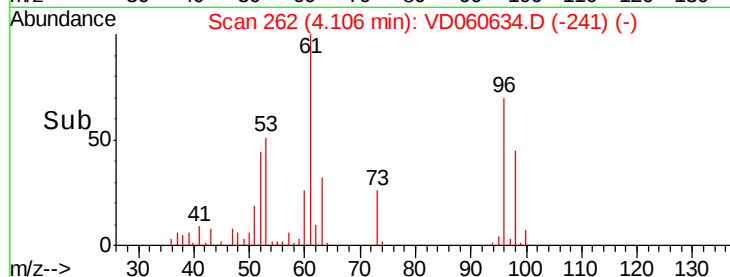
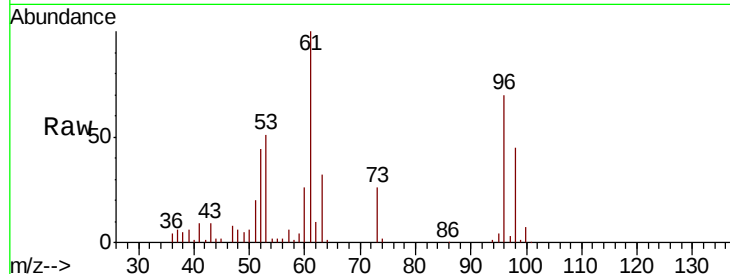
Tot Ion: 53 Resp: 278735

Ion Ratio Lower Upper

53 100

52 87.9 70.0 105.0

51 38.8 28.8 43.2



#16

Acetone

Concen: 106.861 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060634.D

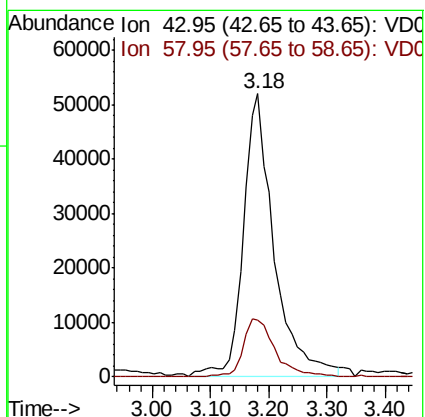
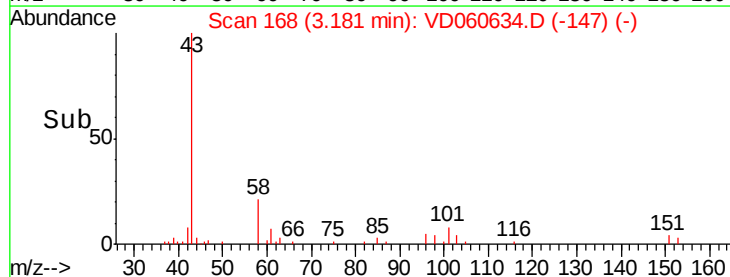
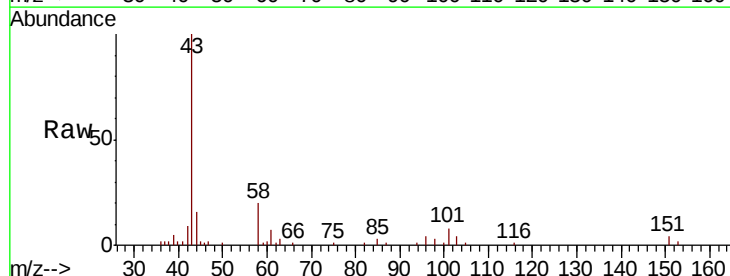
Acq: 19 Dec 2018 12:18

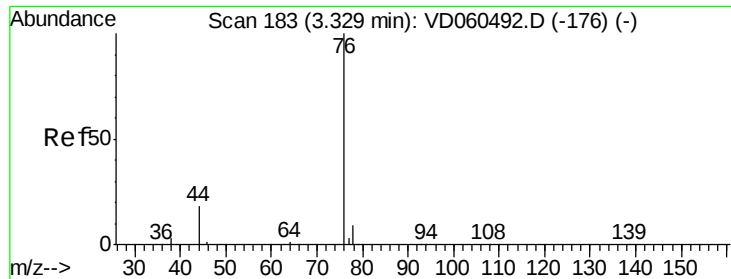
Tgt Ion: 43 Resp: 192304

Ion Ratio Lower Upper

43 100

58 20.2 17.3 25.9

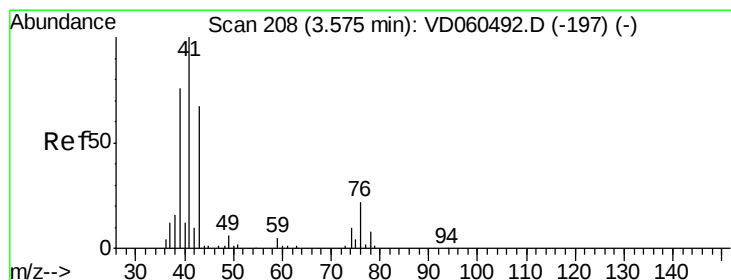
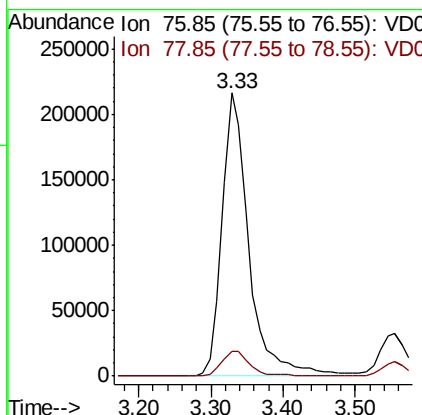
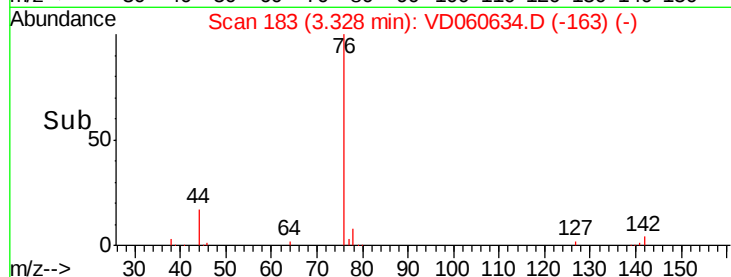
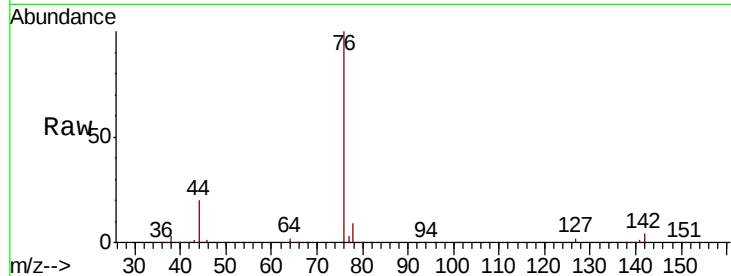




#17
Carbon Disulfide
Concen: 21.648 ug/l
RT: 3.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

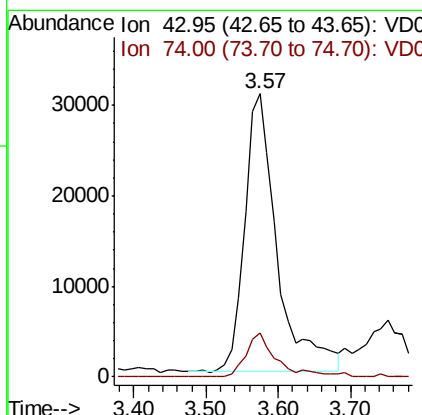
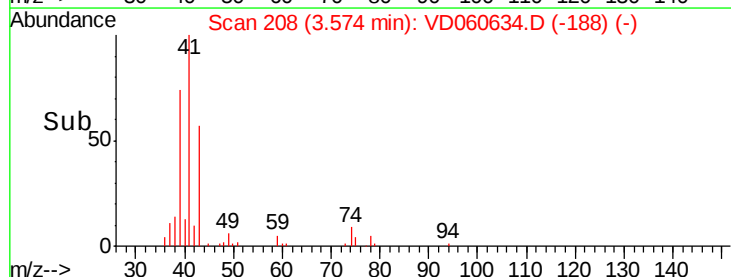
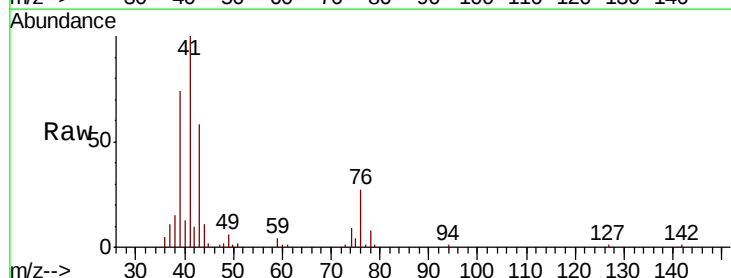
Instrument :
MSVOA_D
ClientSampleId :

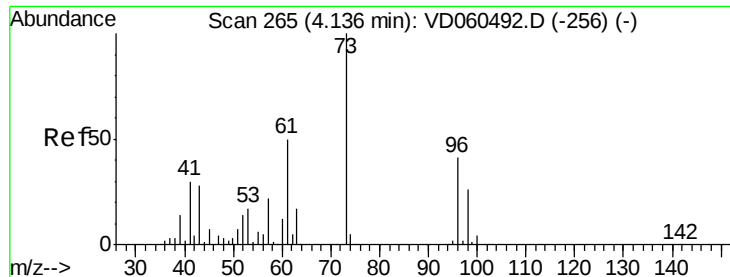
Tot Ion: 76 Resp: 556722
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6



#18
Methyl Acetate
Concen: 22.566 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 43 Resp: 96513
Ion Ratio Lower Upper
43 100
74 15.5 12.0 18.0

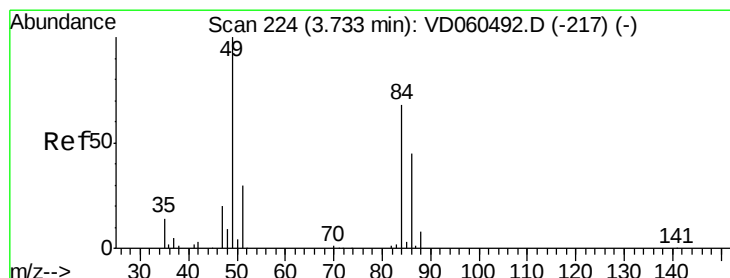
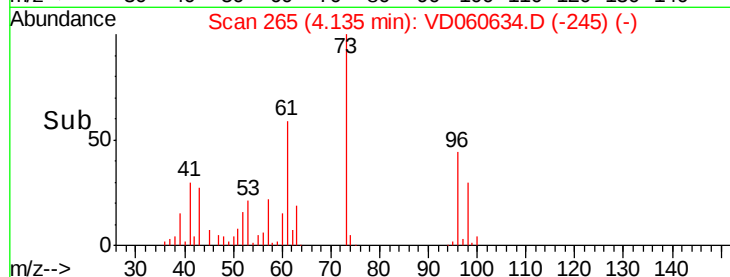
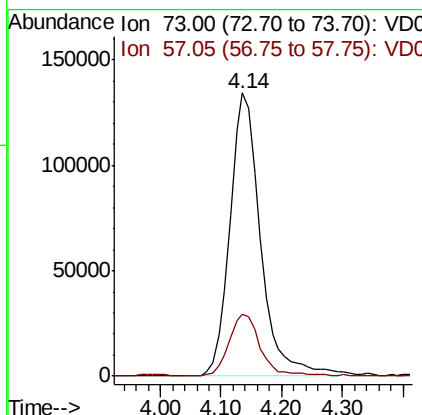
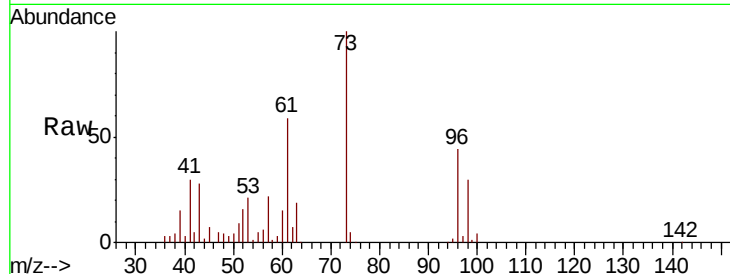




#19
Methyl tert-butyl Ether
Concen: 21.598 ug/l
RT: 4.14 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

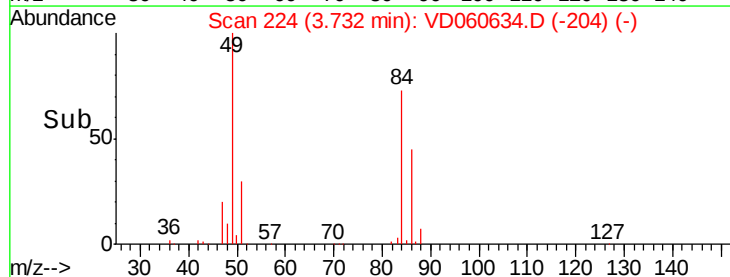
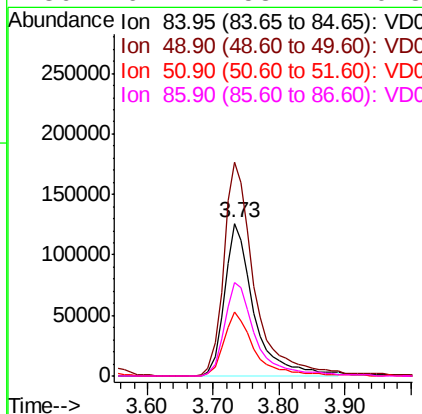
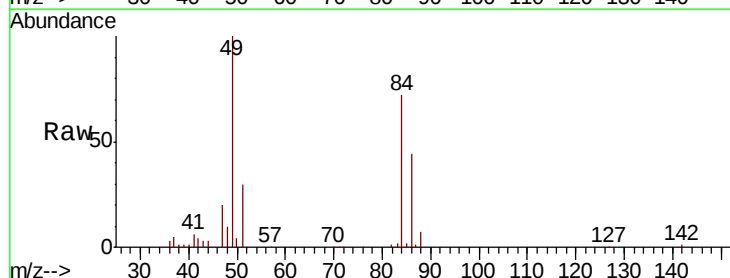
Instrument :
MSVOA_D
ClientSampled :

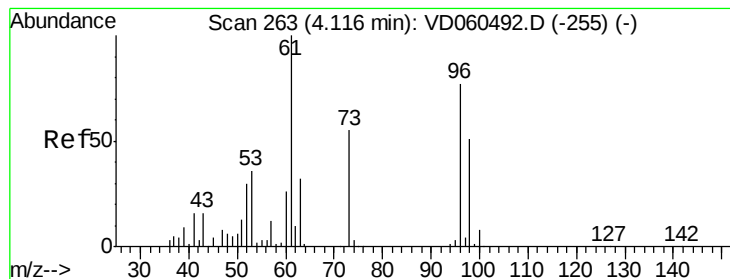
Tot Ion: 73 Resp: 474200
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.6



#20
Methylene Chloride
Concen: 21.248 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 84 Resp: 393596
Ion Ratio Lower Upper
84 100
49 139.7 117.2 175.8
51 42.1 35.3 52.9
86 61.4 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.014 ug/l

RT: 4.12 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampled :

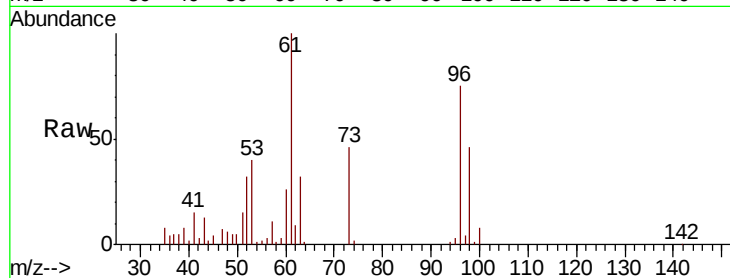
Tot Ion: 96 Resp: 361897

Ion Ratio Lower Upper

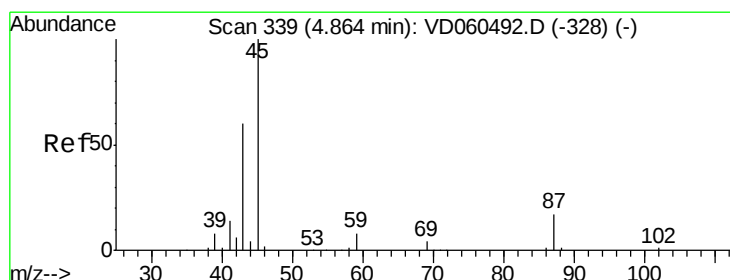
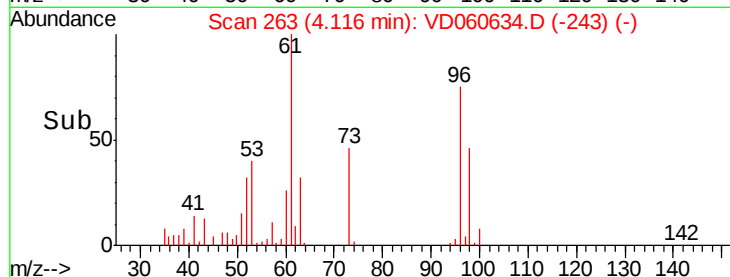
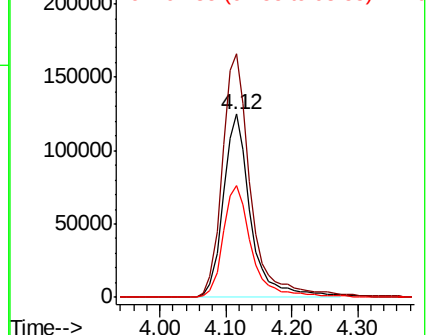
96 100

61 132.8 104.2 156.4

98 60.7 52.8 79.2



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



#22

Diisopropyl ether

Concen: 21.603 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Tgt Ion: 45 Resp: 1165049

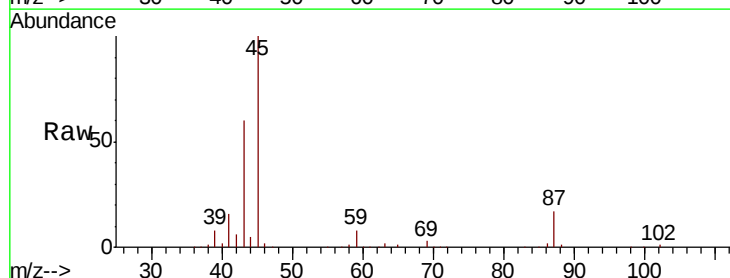
Ion Ratio Lower Upper

45 100

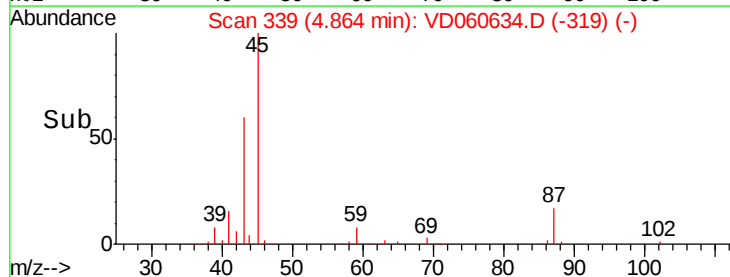
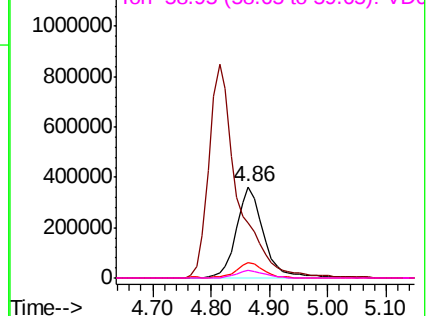
43 60.1 48.6 73.0

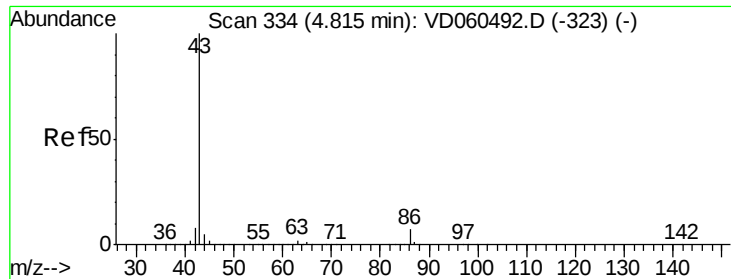
87 17.1 14.0 21.0

59 8.4 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: 107.669 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

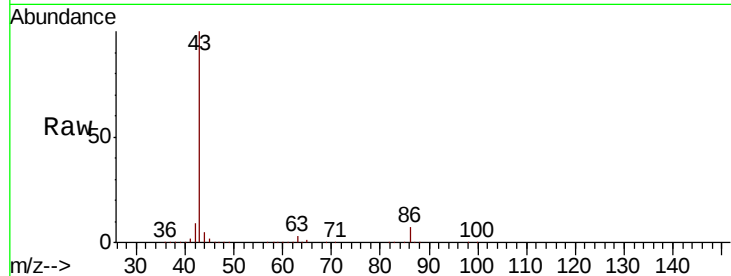
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2876966

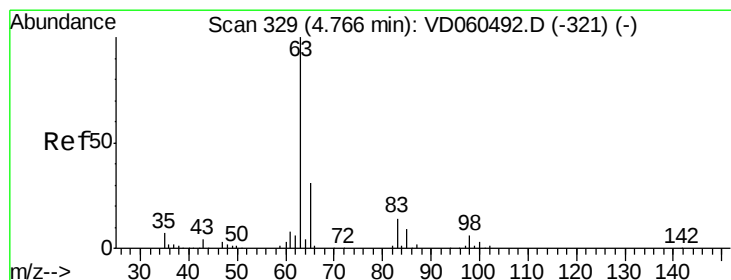
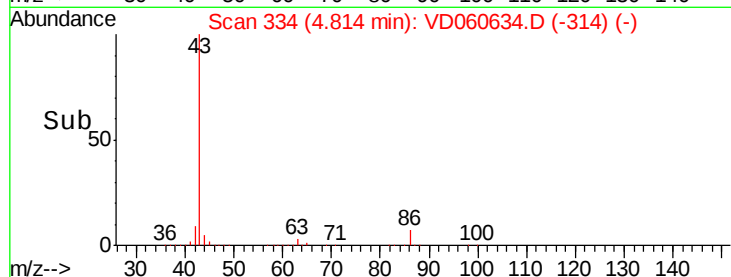
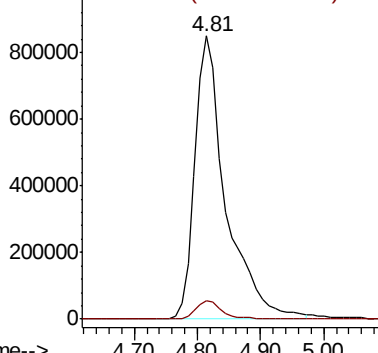
Ion Ratio Lower Upper

43 100

86 6.6 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.636 ug/l

RT: 4.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

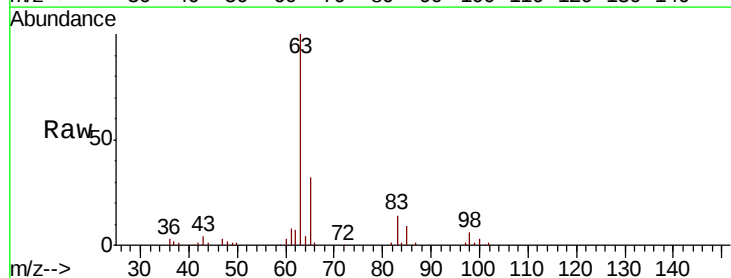
Tgt Ion: 63 Resp: 606181

Ion Ratio Lower Upper

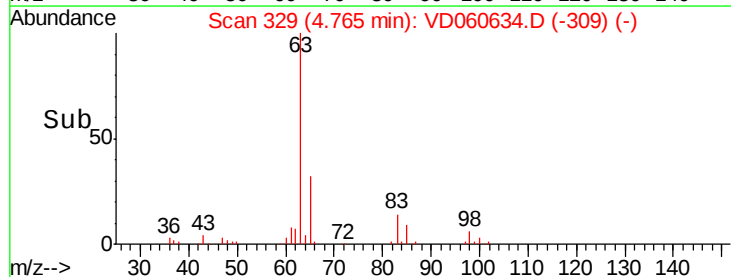
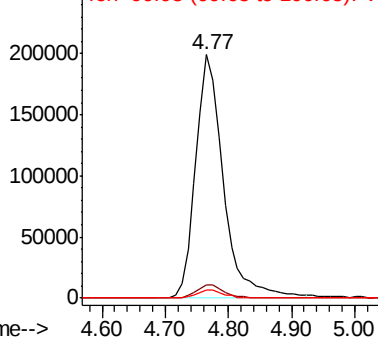
63 100

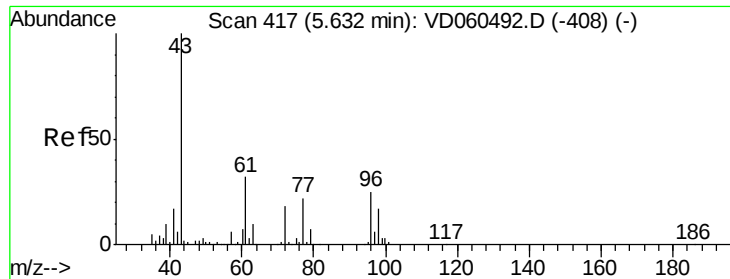
98 5.5 2.8 8.3

100 3.3 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 105.924 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

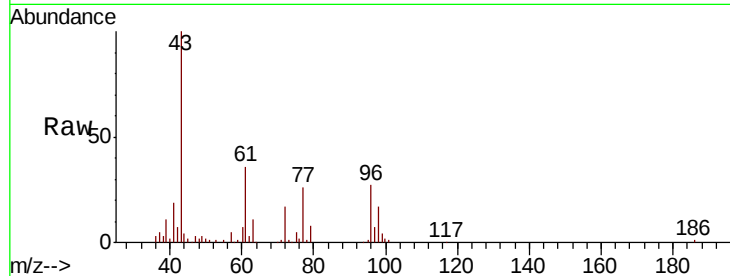
ClientSampleId :

Tot Ion: 43 Resp: 375026

Ion Ratio Lower Upper

43 100

72 17.2 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

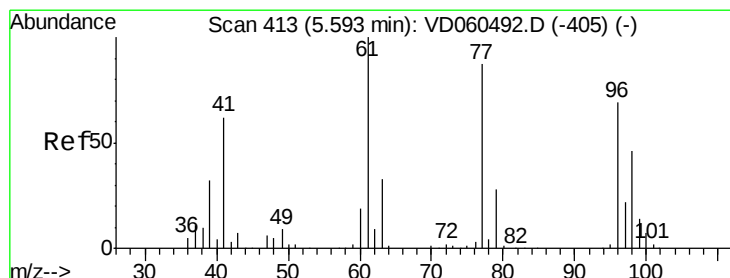
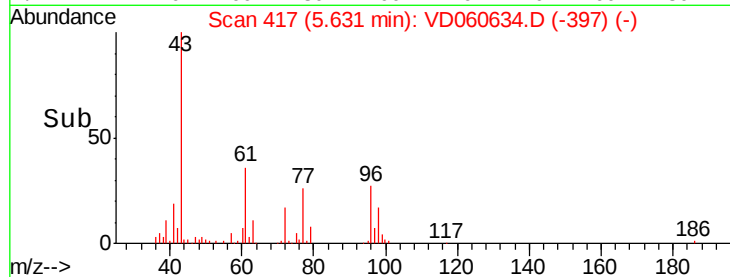
100000

50000

0

5.50 5.55 5.60 5.65 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 22.069 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060634.D

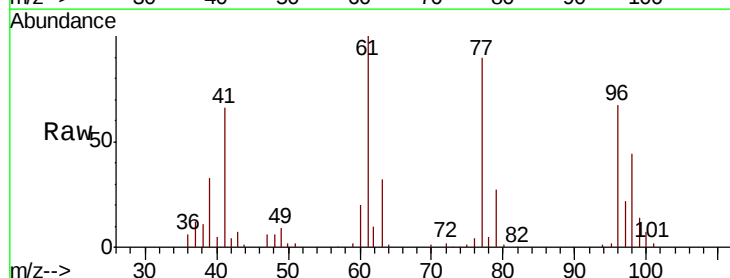
Acq: 19 Dec 2018 12:18

Tgt Ion: 77 Resp: 477664

Ion Ratio Lower Upper

77 100

97 23.9 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

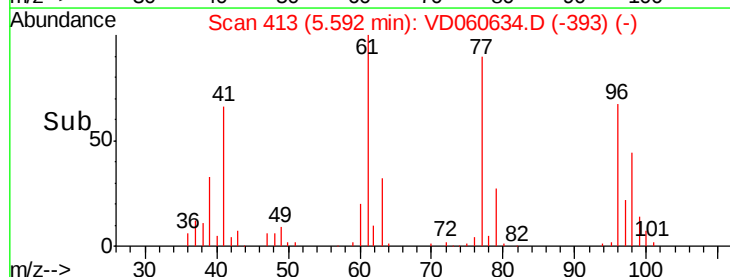
100000

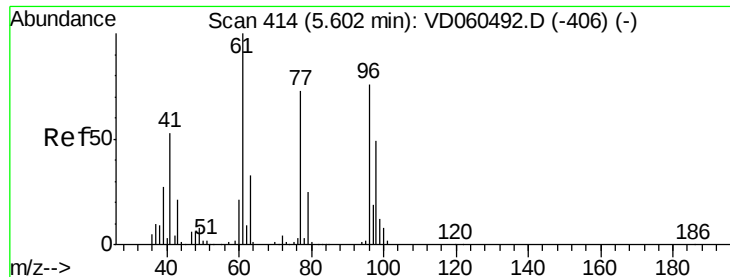
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->



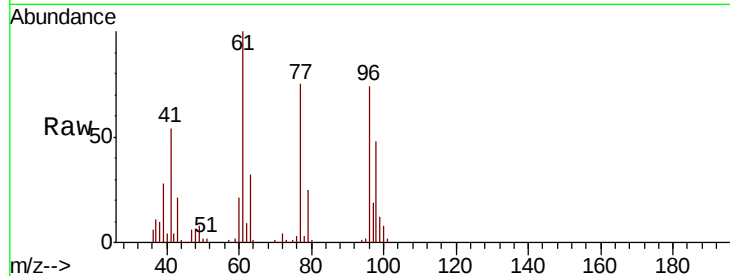


#27

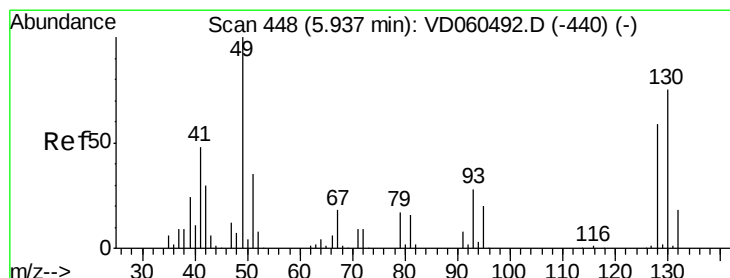
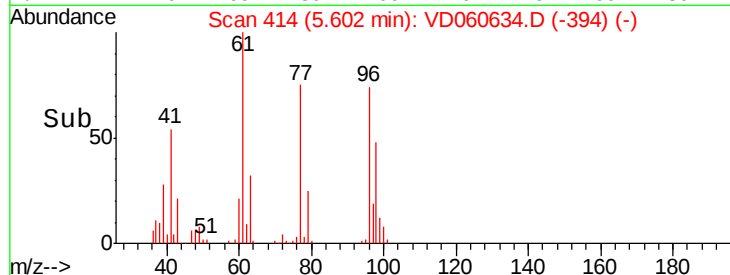
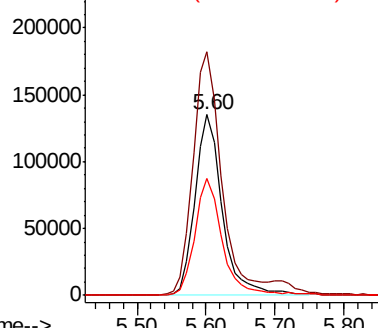
cis-1,2-Dichloroethene
 Concen: 21.244 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 371980
 Ion Ratio Lower Upper
 96 100
 61 134.9 0.0 263.6
 98 64.6 0.0 128.2



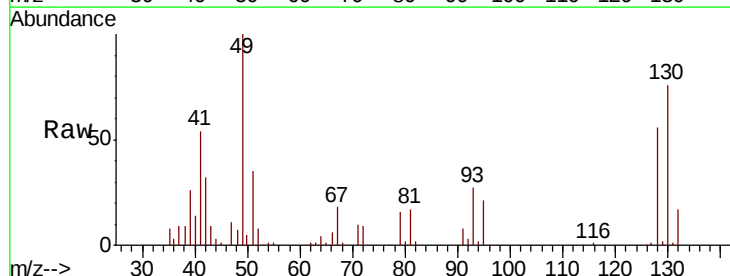
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



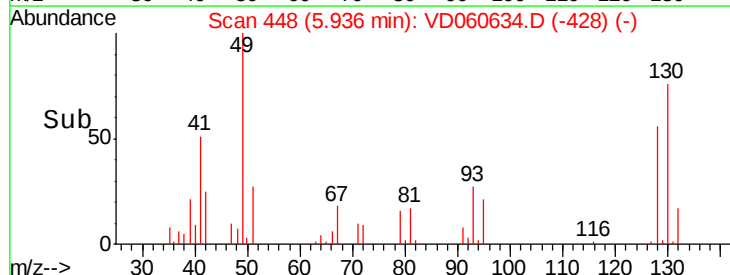
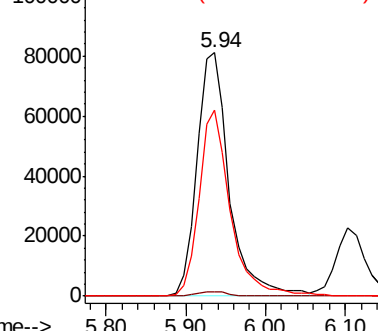
#28

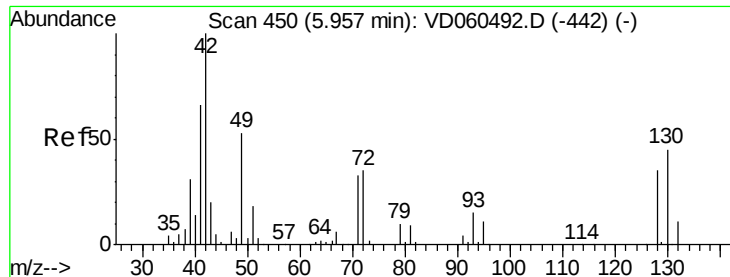
Bromochloromethane
 Concen: 18.508 ug/l
 RT: 5.94 min Scan# 448
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion: 49 Resp: 229713
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.4
 130 76.4 59.8 89.6



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

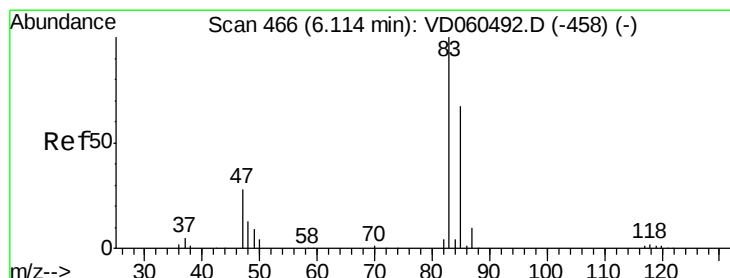
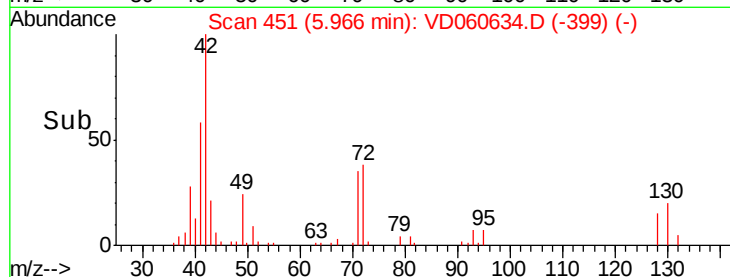
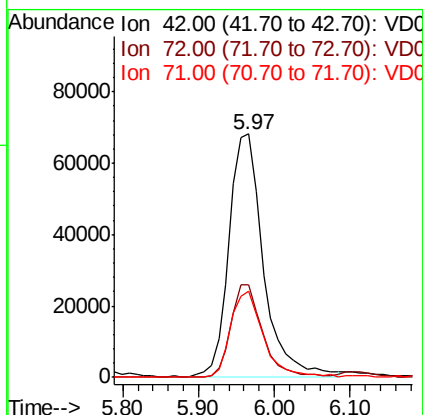
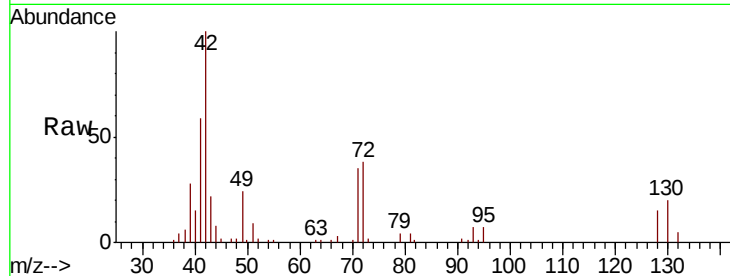




#29
Tetrahydrofuran
Concen: 107.142 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

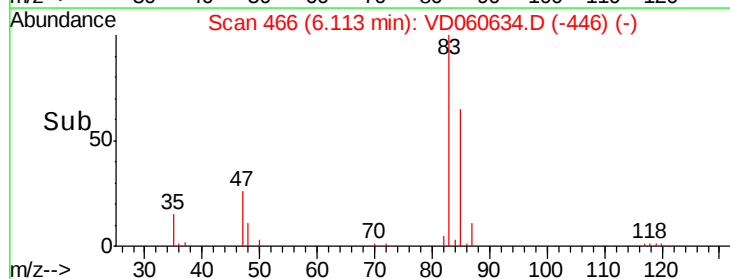
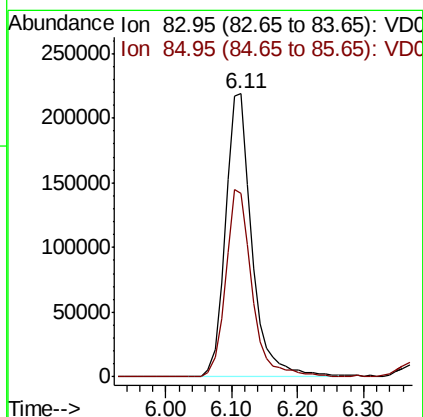
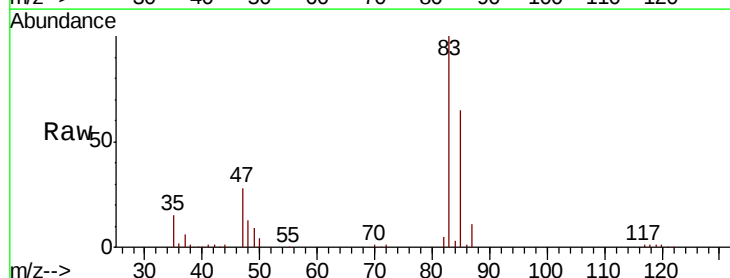
Instrument :
MSVOA_D
ClientSampleId :

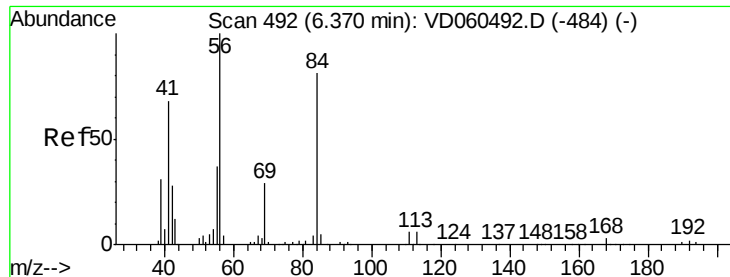
Tot Ion: 42 Resp: 214810
Ion Ratio Lower Upper
42 100
72 35.1 28.0 42.0
71 33.4 27.2 40.8



#30
Chloroform
Concen: 21.851 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 83 Resp: 616772
Ion Ratio Lower Upper
83 100
85 64.8 53.4 80.2

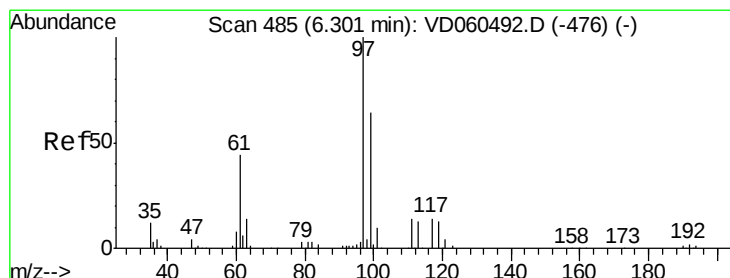
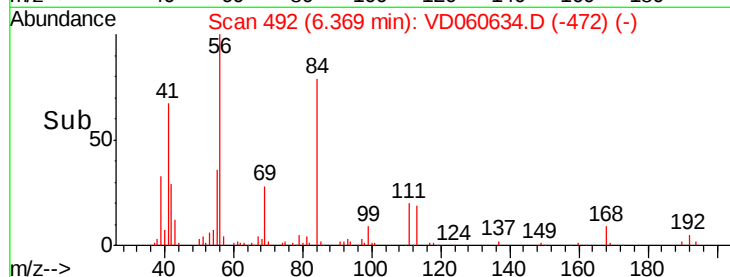
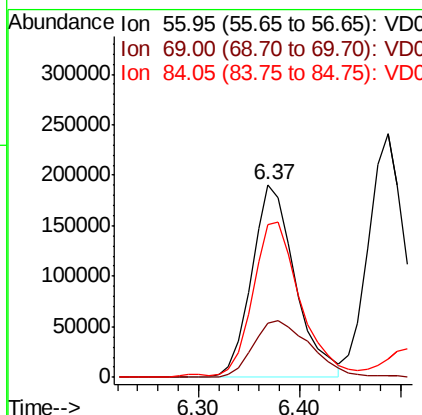
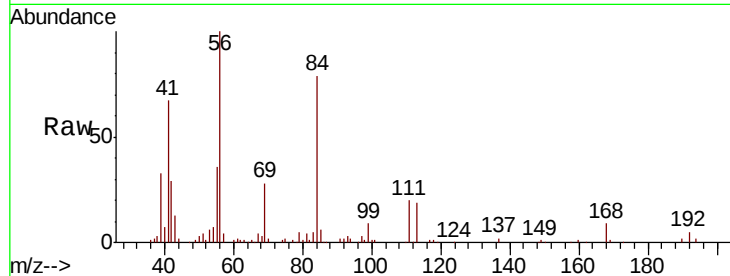




#31
Cyclohexane
Concen: 21.706 ug/l
RT: 6.37 min Scan# 492
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

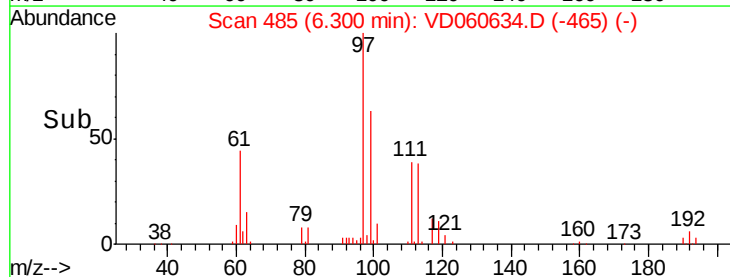
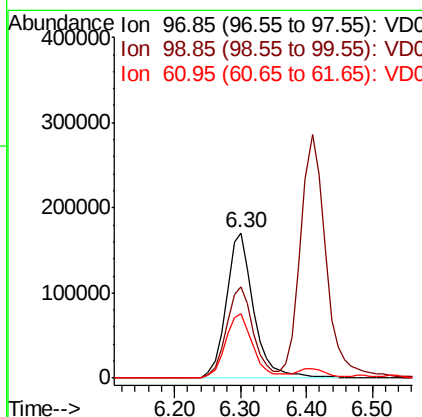
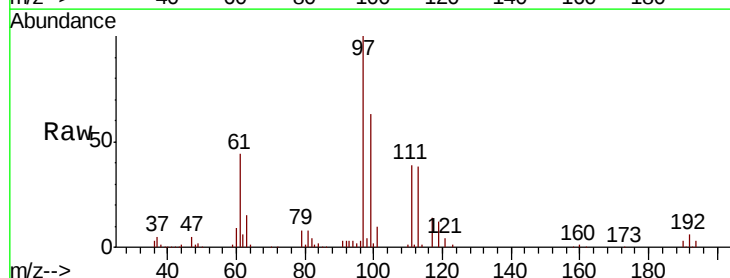
Instrument :
MSVOA_D
ClientSampleId :

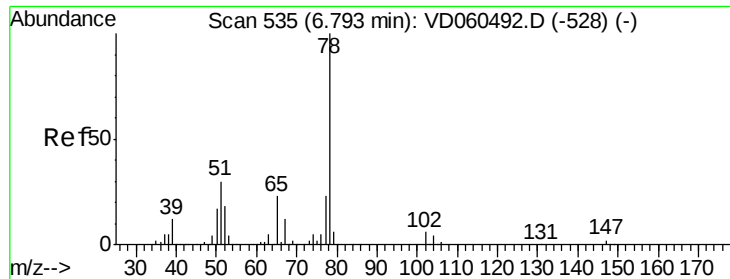
Tot Ion: 56 Resp: 571978
Ion Ratio Lower Upper
56 100
69 28.2 22.8 34.2
84 79.3 65.1 97.7



#32
1,1,1-Trichloroethane
Concen: 21.493 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 97 Resp: 498732
Ion Ratio Lower Upper
97 100
99 63.2 51.0 76.4
61 44.4 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 21.493 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

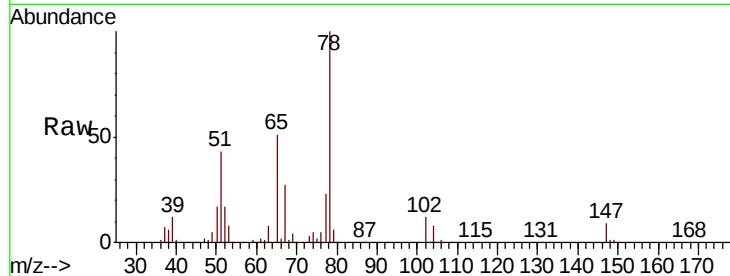
ClientSampleId :

Tot Ion: 65 Resp: 578044

Ion Ratio Lower Upper

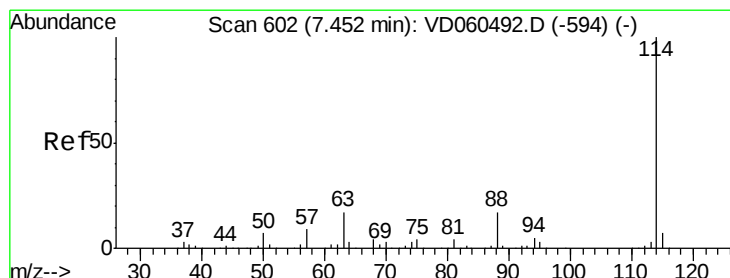
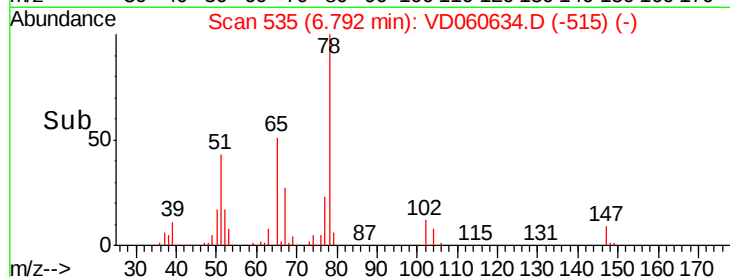
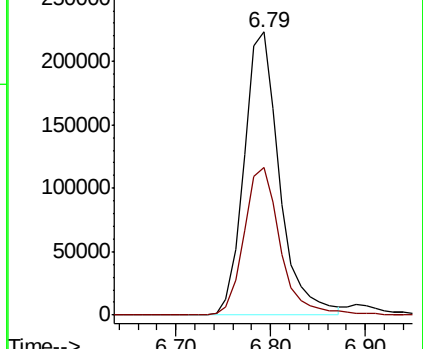
65 100

67 52.4 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

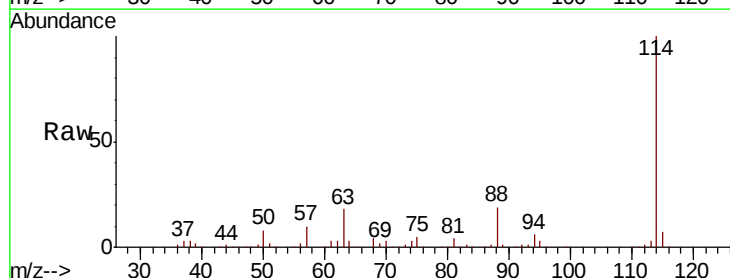
Tgt Ion: 114 Resp: 2132331

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.2

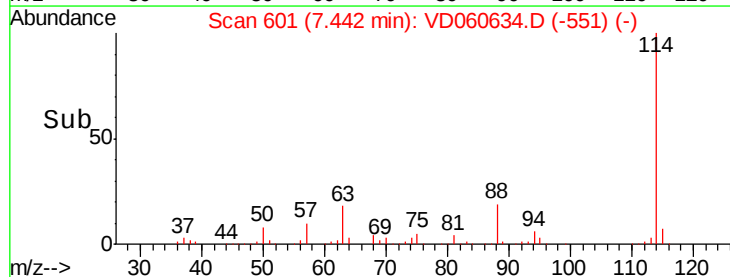
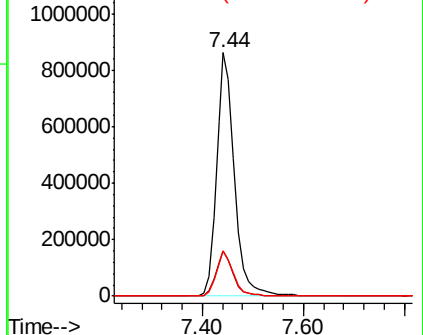
88 18.6 0.0 35.0

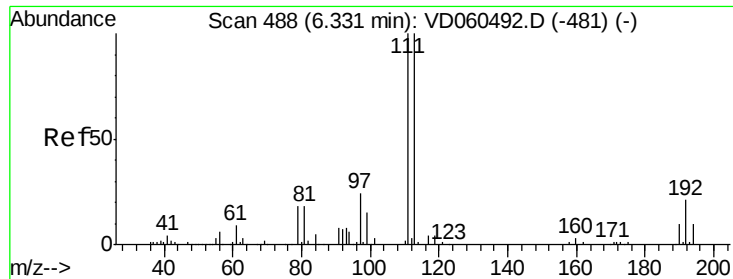


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

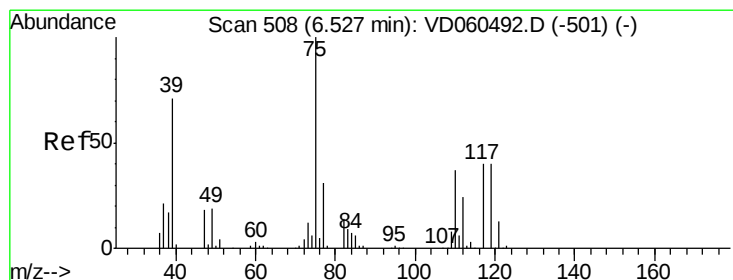
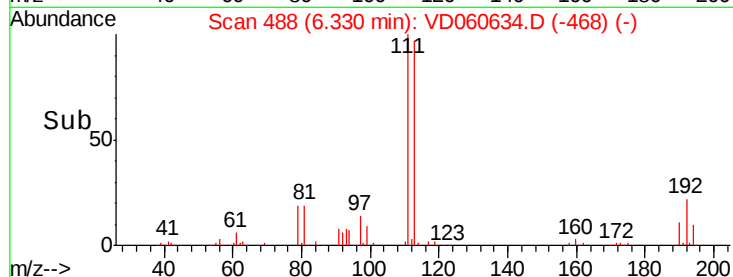
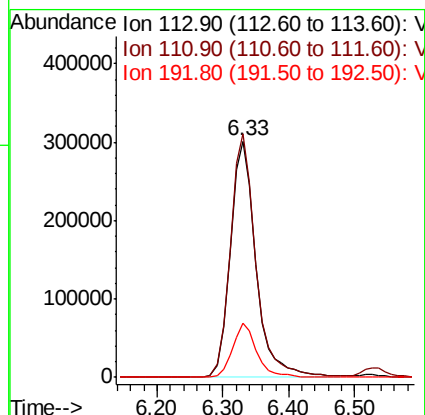
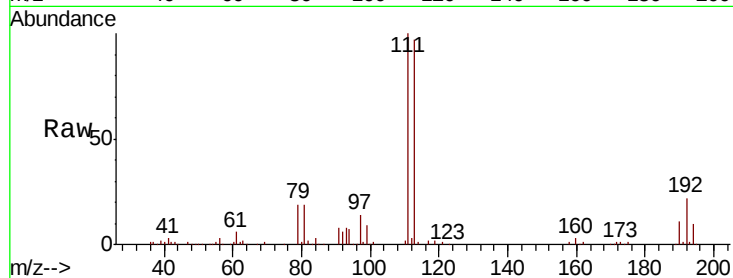




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 488
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

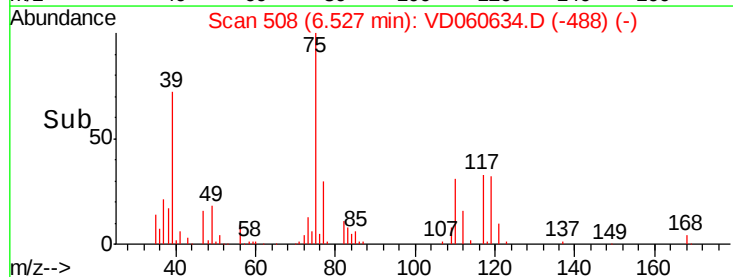
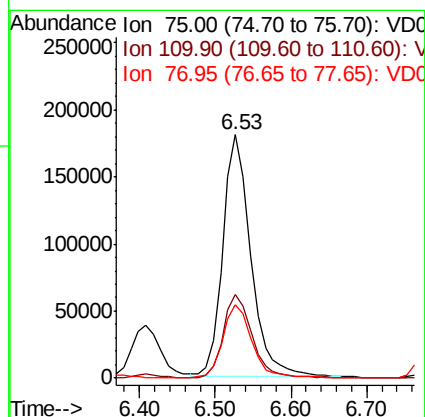
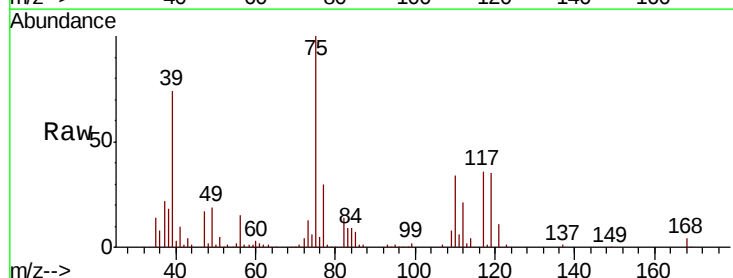
Instrument :
MSVOA_D
ClientSampleId :

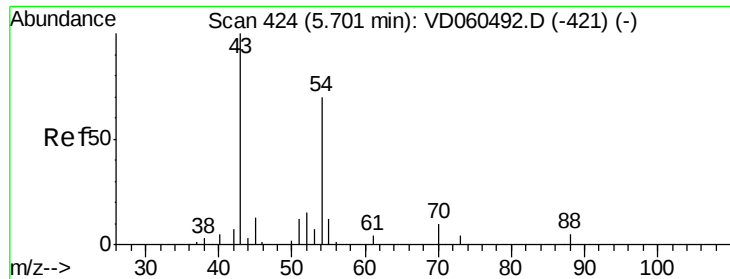
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.2	120.4
192	22.7	16.6	24.8



#36
1,1-Dichloropropene
Concen: 22.364 ug/l
RT: 6.53 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	18.3	54.8
77	30.0	24.6	37.0

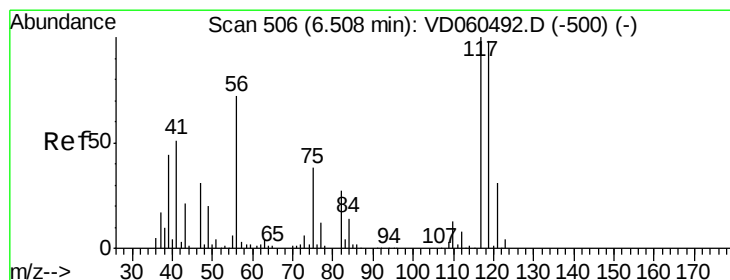
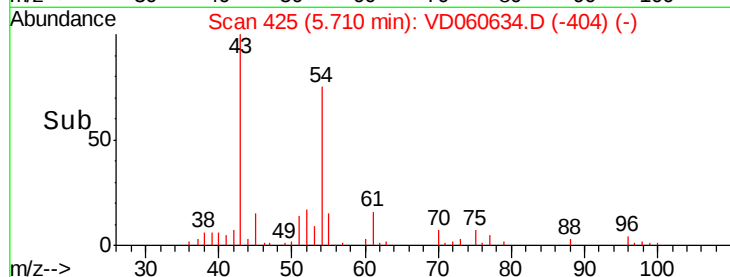
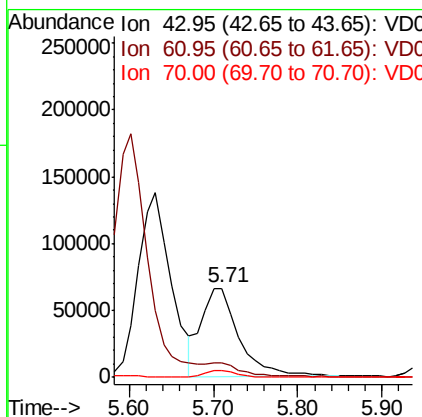
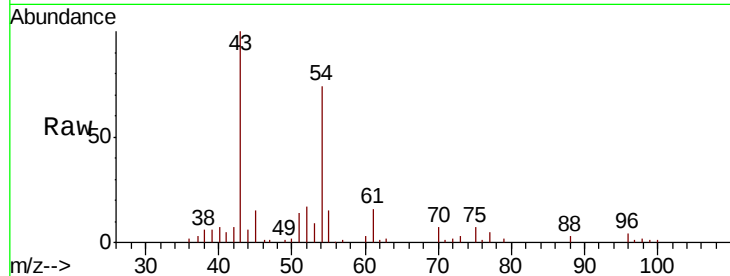




#37
Ethyl Acetate
Concen: 22.307 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

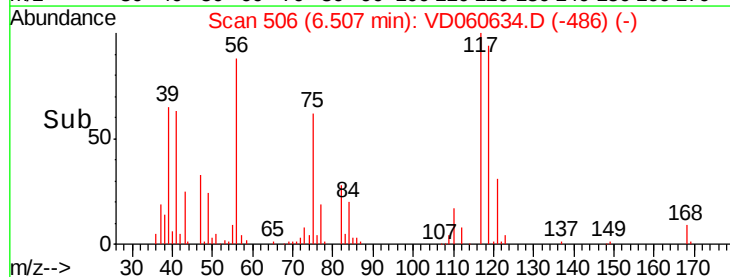
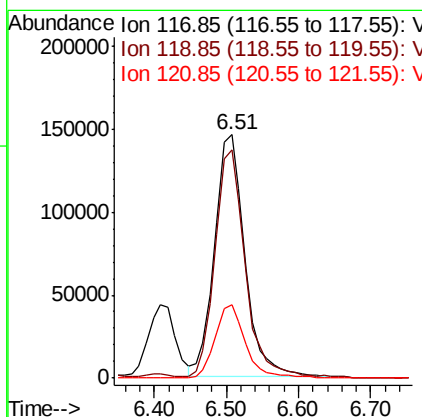
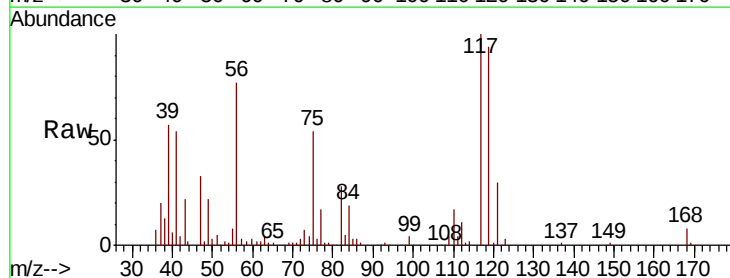
Instrument :
MSVOA_D
ClientSampled :

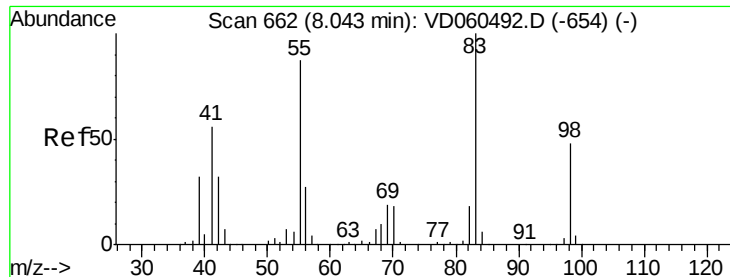
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.4	18.6
70	7.1	5.4	8.0



#38
Carbon Tetrachloride
Concen: 22.501 ug/l
RT: 6.51 min Scan# 506
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.8	115.2
121	30.4	24.4	36.6

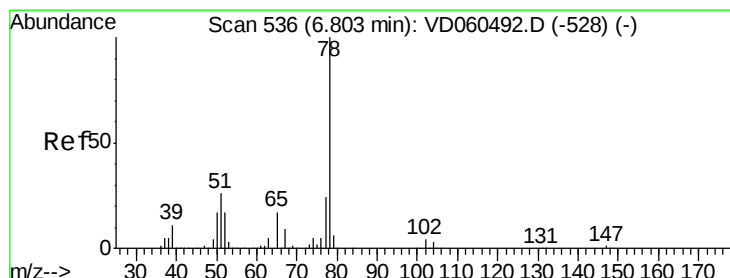
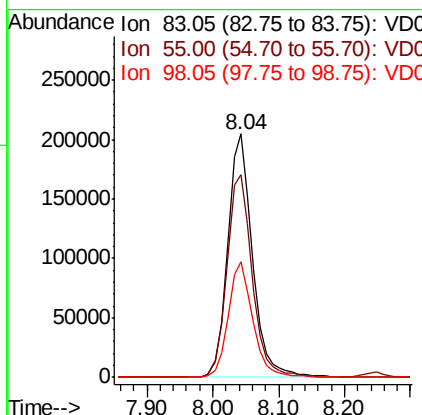
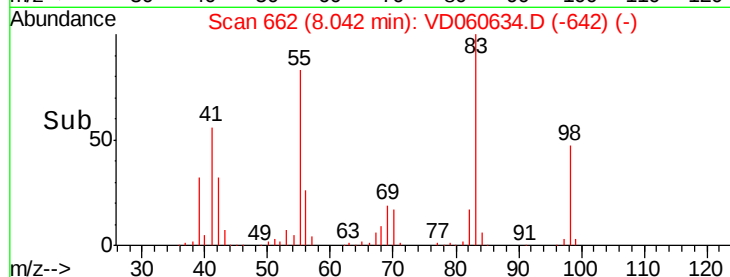
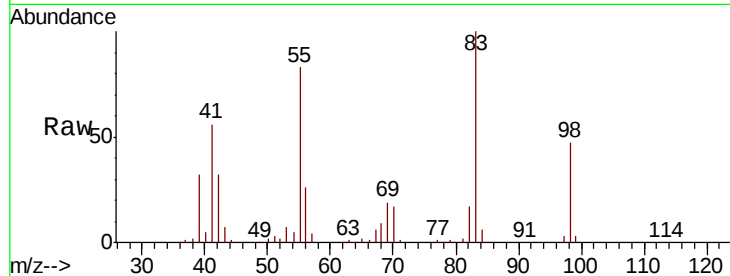




#39
Methvlcvclohexane
Concen: 22.623 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

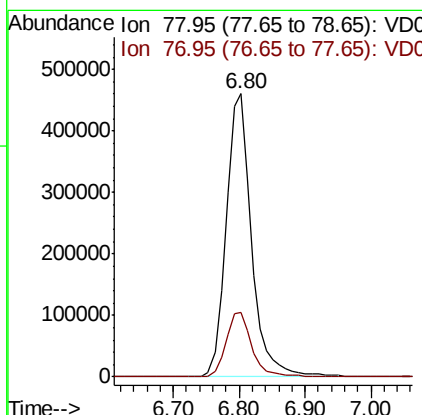
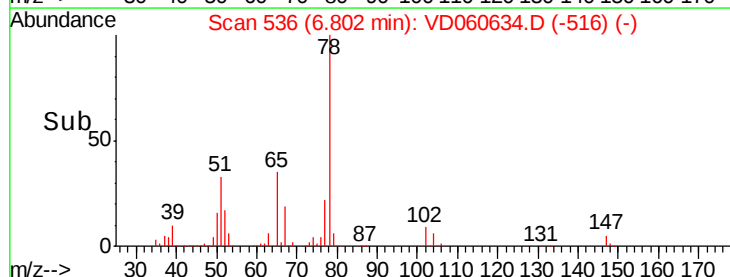
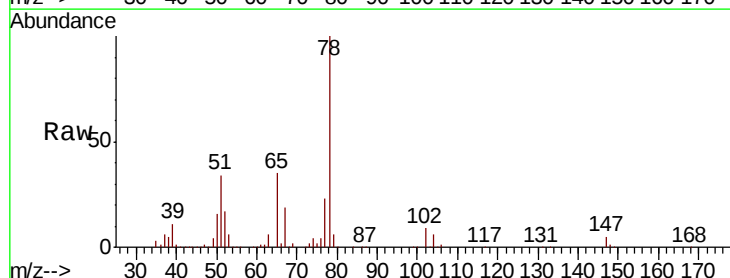
Instrument :
MSVOA_D
ClientSampleId :

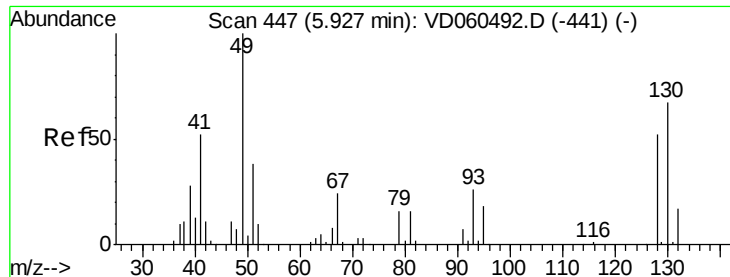
Tot Ion: 83 Resp: 537538
Ion Ratio Lower Upper
83 100
55 83.4 69.8 104.8
98 47.5 38.4 57.6



#40
Benzene
Concen: 23.299 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 78 Resp: 1241113
Ion Ratio Lower Upper
78 100
77 22.6 18.9 28.3

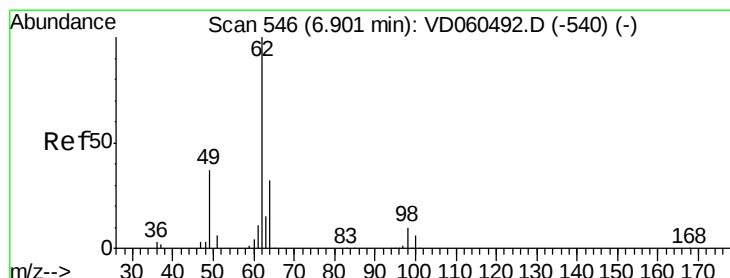
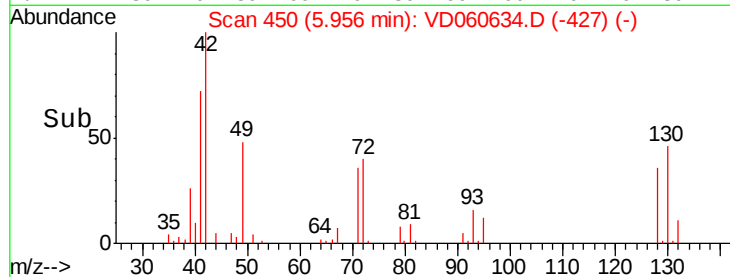
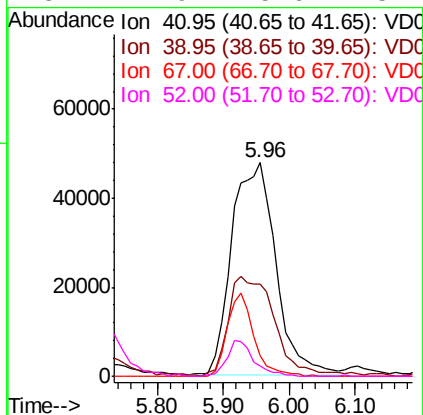
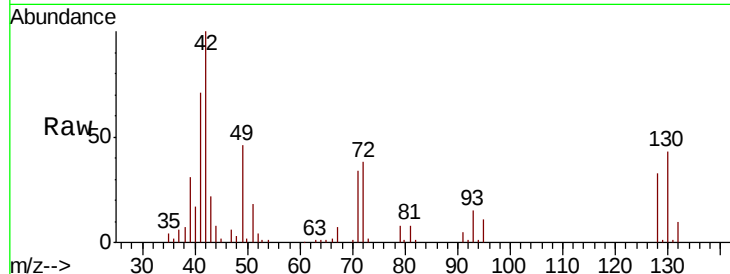




#41
Methacrylonitrile
Concen: 45.719 ug/l
RT: 5.96 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

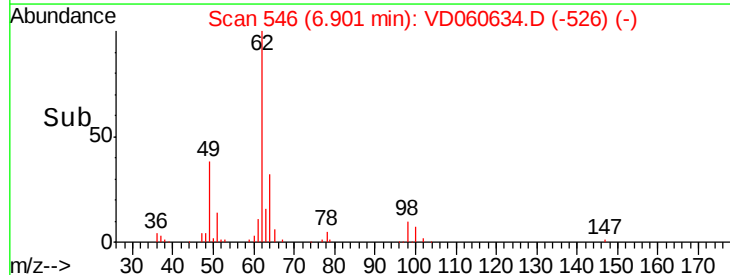
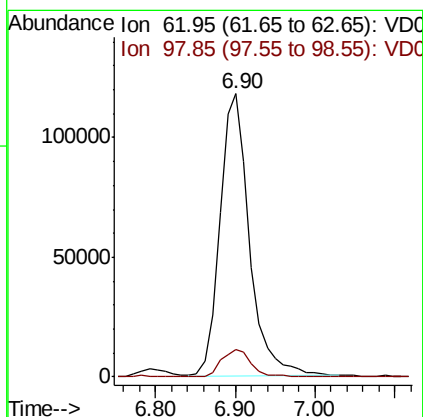
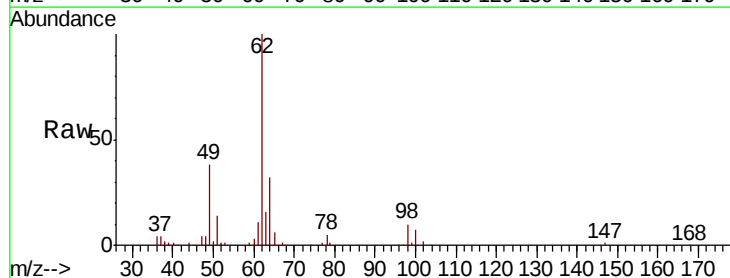
Instrument :
MSVOA_D
ClientSampleId :

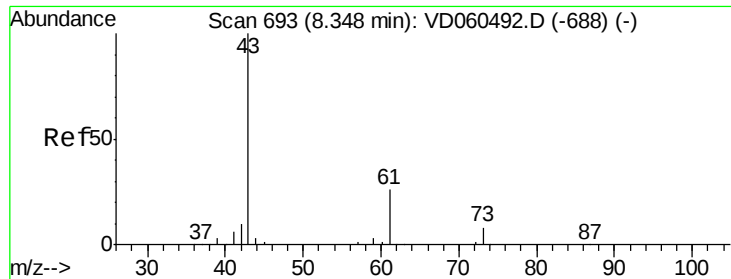
Tot Ion: 41 Resp: 222779
Ion Ratio Lower Upper
41 100
39 43.2 42.6 63.8
67 9.4 36.2 54.4#
52 4.9 15.6 23.4#



#42
1,2-Dichloroethane
Concen: 22.702 ug/l
RT: 6.90 min Scan# 546
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 62 Resp: 307473
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.2





#43

Isopropyl Acetate

Concen: 21.552 ug/l

RT: 8.35 min Scan# 693

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampled :

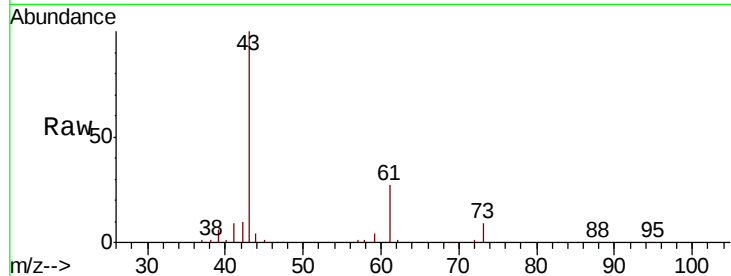
Tot Ion: 43 Resp: 240483

Ion Ratio Lower Upper

43 100

61 27.0 21.0 31.4

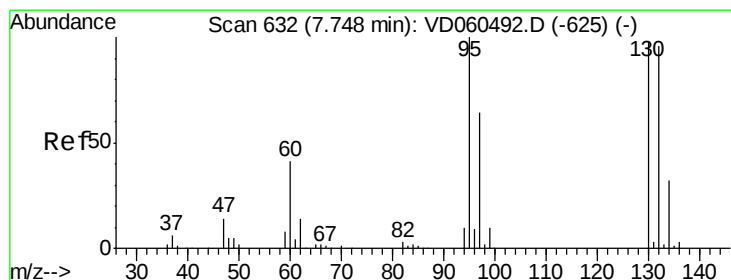
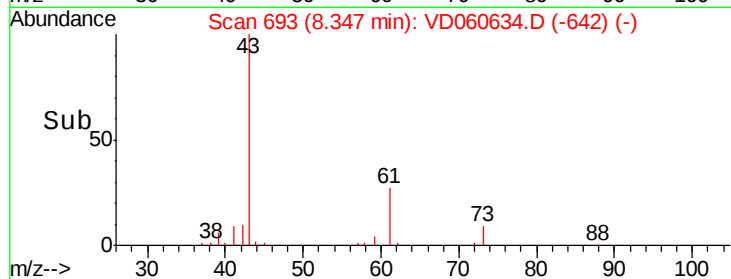
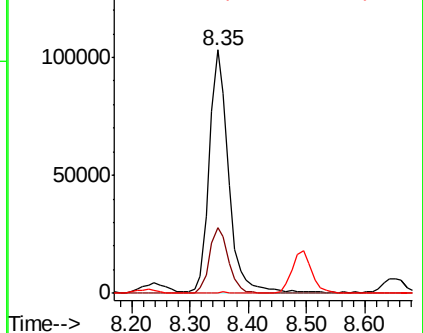
87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.683 ug/l

RT: 7.74 min Scan# 631

Delta R.T. -0.01 min

Lab File: VD060634.D

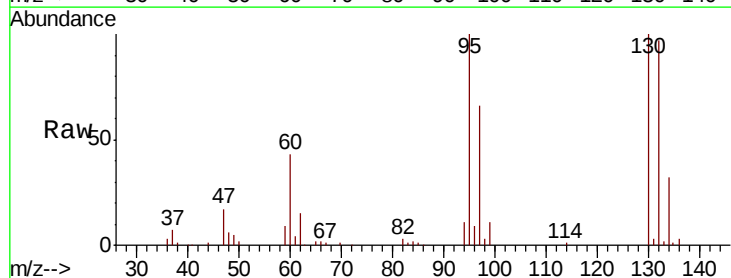
Acq: 19 Dec 2018 12:18

Tgt Ion:130 Resp: 361097

Ion Ratio Lower Upper

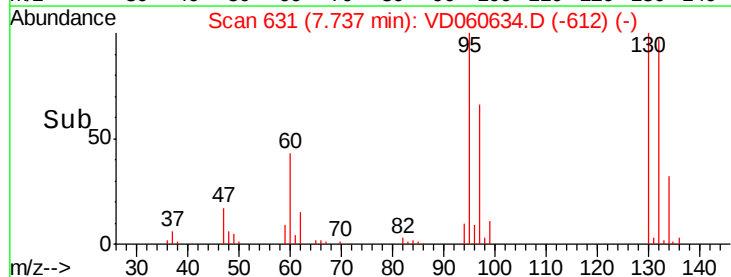
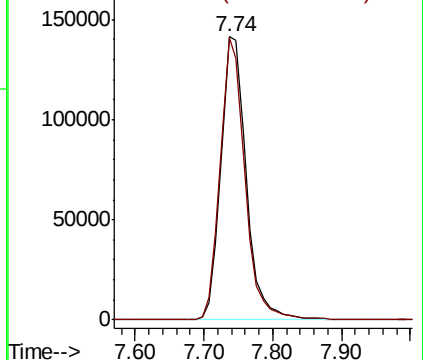
130 100

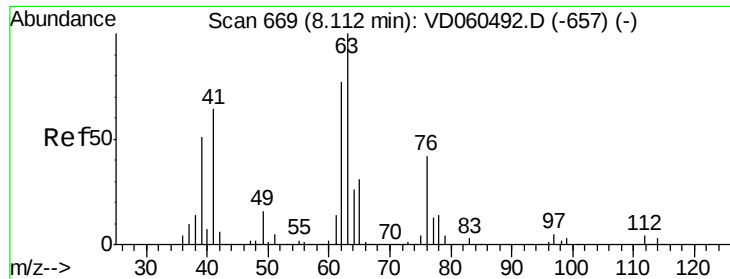
95 99.9 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.552 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

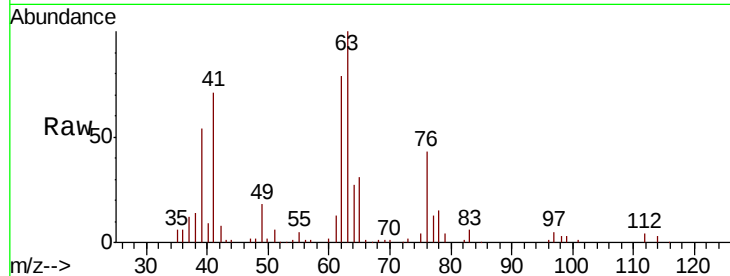
ClientSampleId :

Tot Ion: 63 Resp: 297108

Ion Ratio Lower Upper

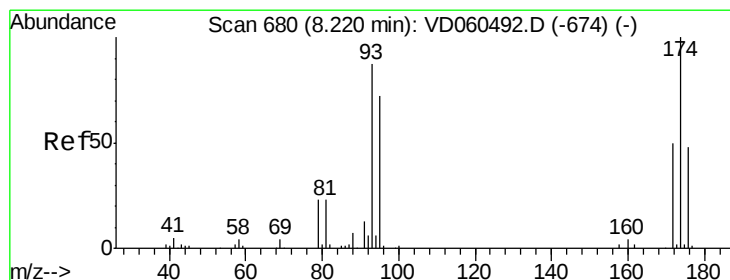
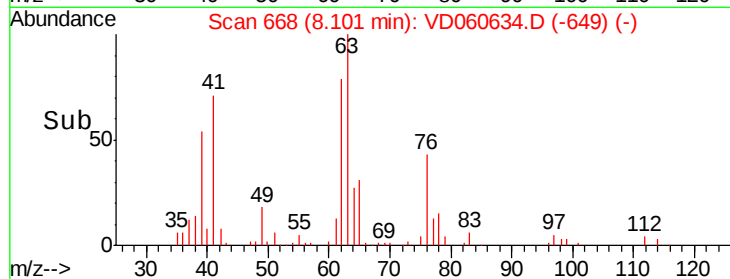
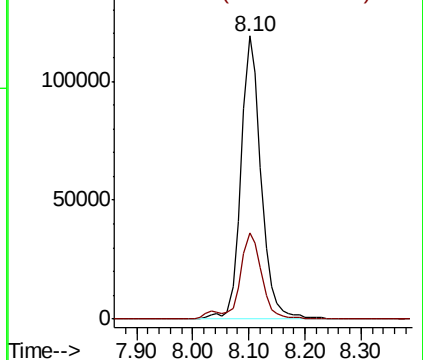
63 100

65 30.6 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: 21.902 ug/l

RT: 8.22 min Scan# 680

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

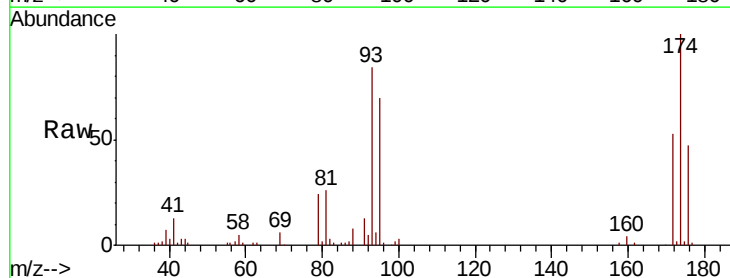
Tgt Ion: 93 Resp: 166713

Ion Ratio Lower Upper

93 100

95 83.2 65.6 98.4

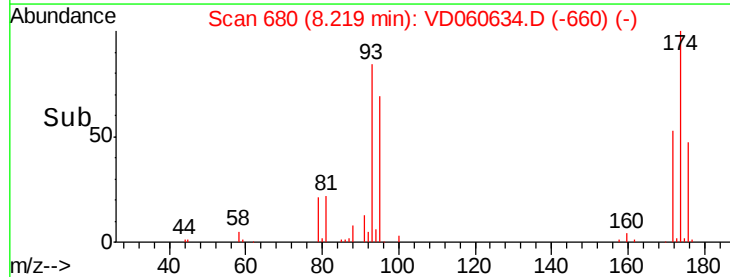
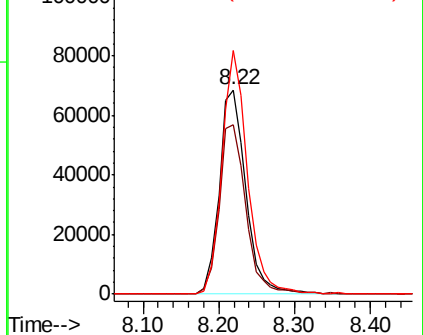
174 119.4 91.7 137.5

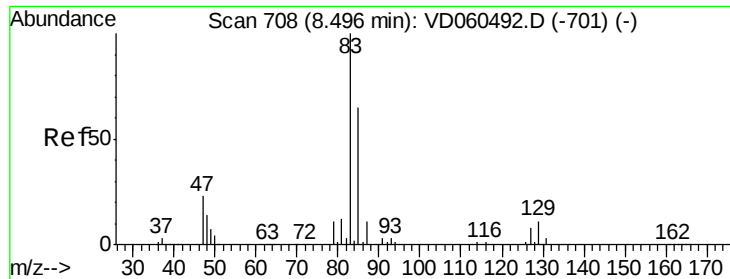


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.801 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampled :

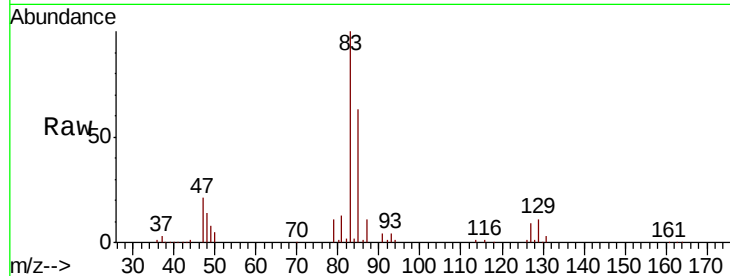
Tot Ion: 83 Resp: 411802

Ion Ratio Lower Upper

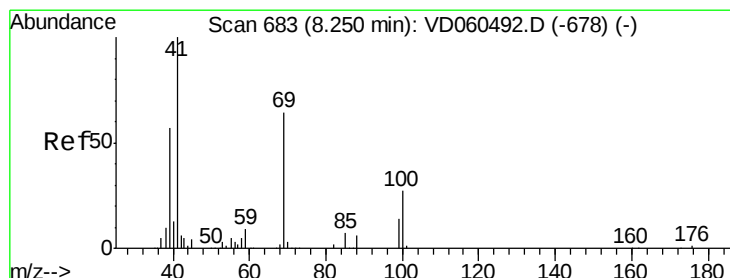
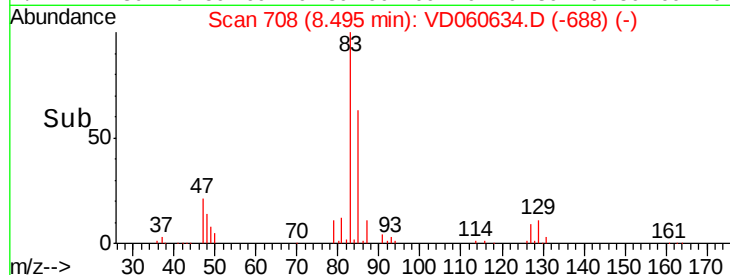
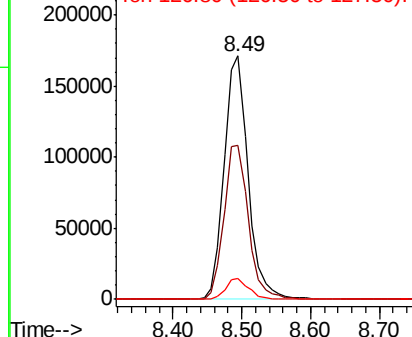
83 100

85 63.1 52.2 78.4

127 8.8 6.7 10.1



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



#48

Methyl methacrylate

Concen: 21.933 ug/l

RT: 8.25 min Scan# 683

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

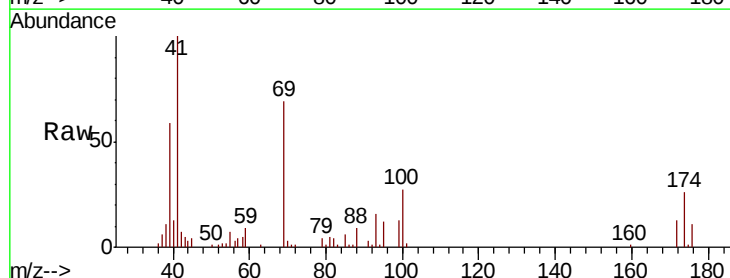
Tgt Ion: 41 Resp: 144809

Ion Ratio Lower Upper

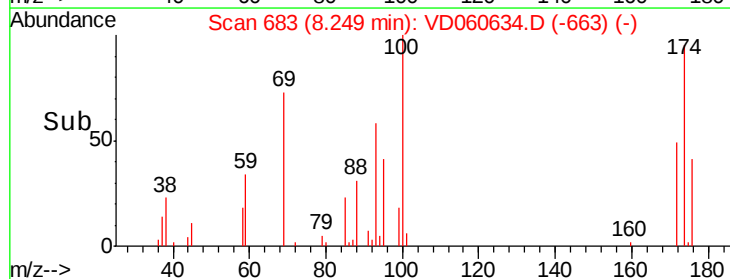
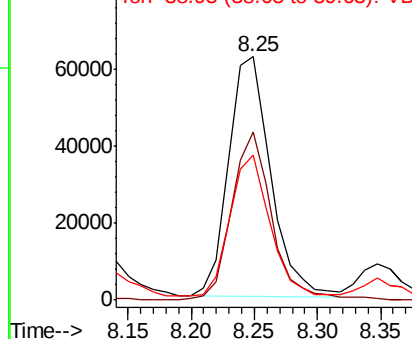
41 100

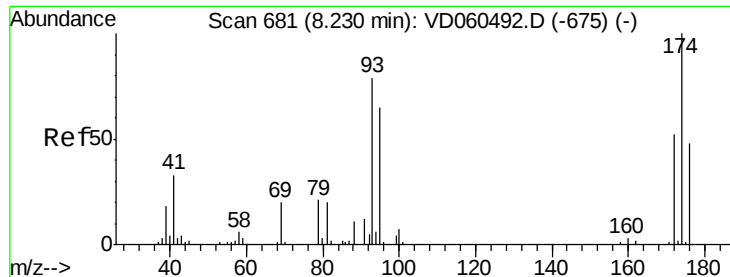
69 68.8 50.2 75.4

39 59.3 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

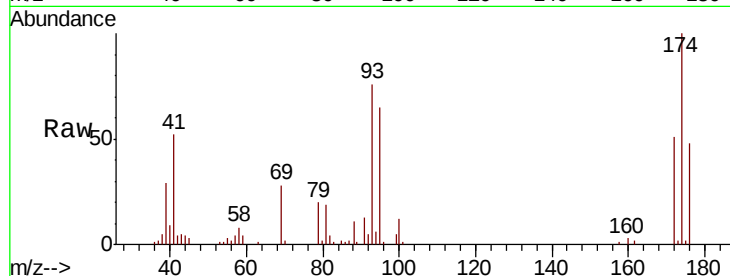




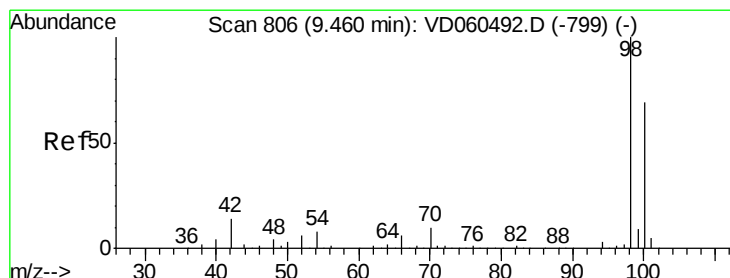
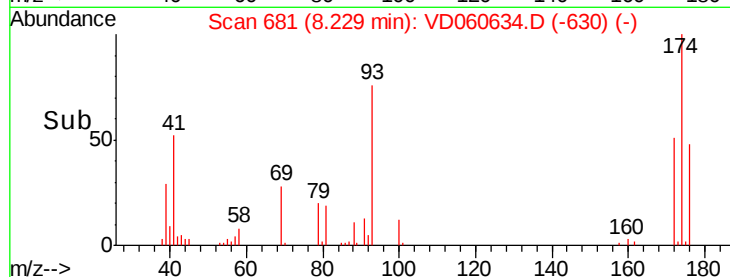
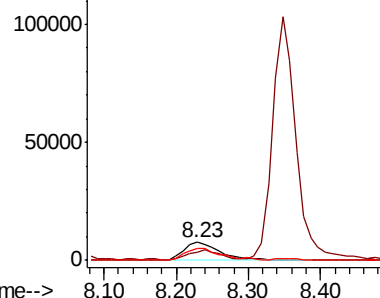
#49
1,4-Dioxane
Concen: 450.005 ug/l
RT: 8.23 min Scan# 681
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 26928
Ion Ratio Lower Upper
88 100
43 46.5 32.9 49.3
58 67.1 47.7 71.5

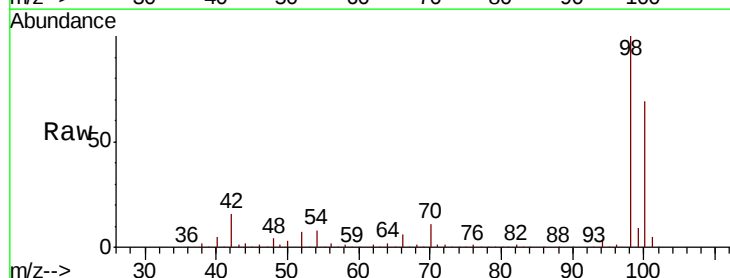


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

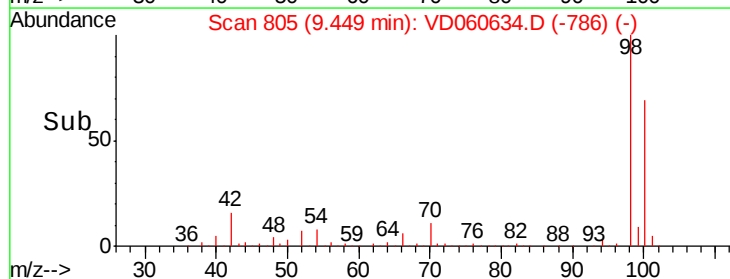
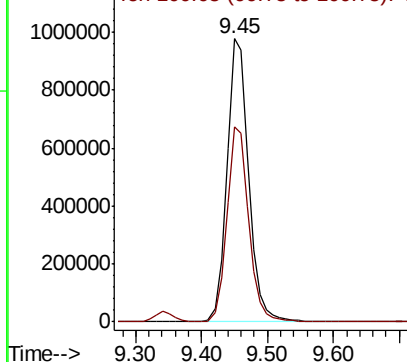


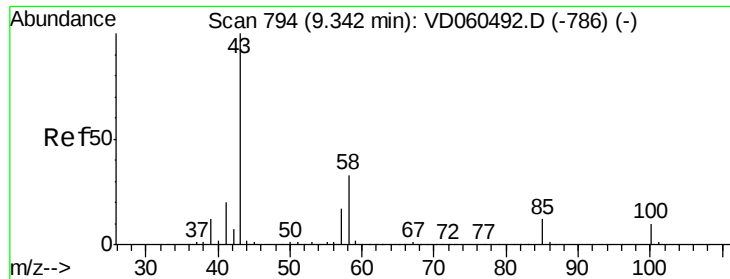
#50
Toluene-d8
Concen: 450.005 ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 98 Resp: 2254428
Ion Ratio Lower Upper
98 100
100 68.8 55.7 83.5



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





#51

4-Methyl-2-Pentanone

Concen: 111.240 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

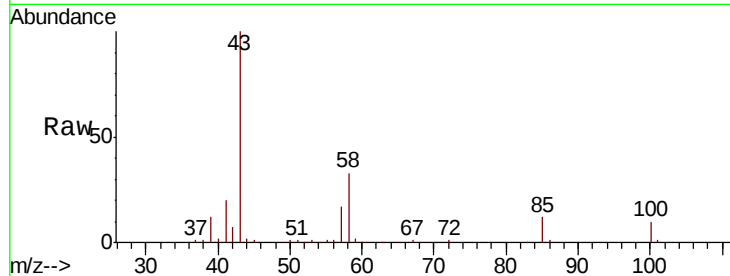
ClientSampleId :

Tot Ion: 43 Resp: 772123

Ion Ratio Lower Upper

43 100

58 32.8 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

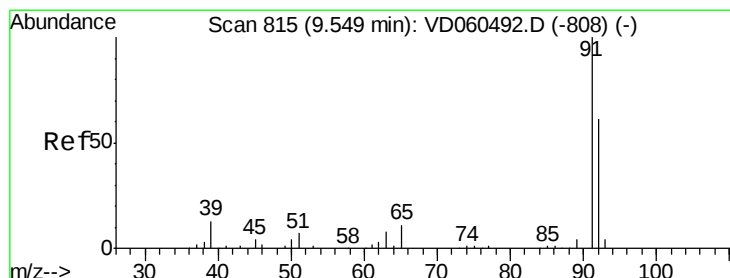
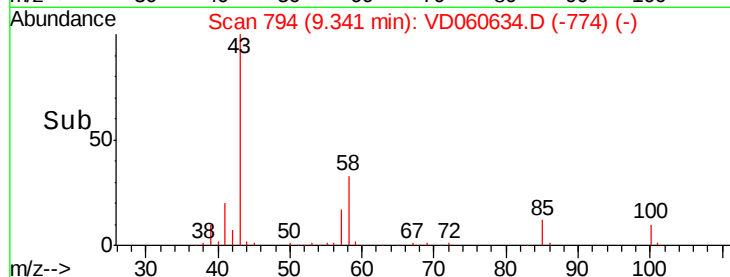
300000

200000

100000

0

Time--> 9.20 9.30 9.40



#52

Toluene

Concen: 22.217 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060634.D

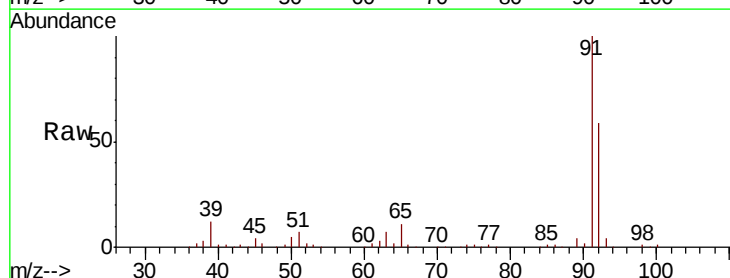
Acq: 19 Dec 2018 12:18

Tgt Ion: 92 Resp: 739704

Ion Ratio Lower Upper

92 100

91 169.1 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

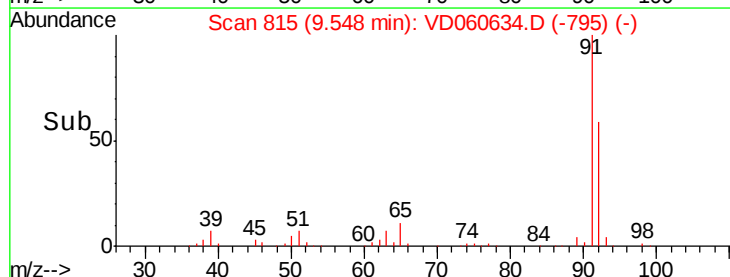
600000

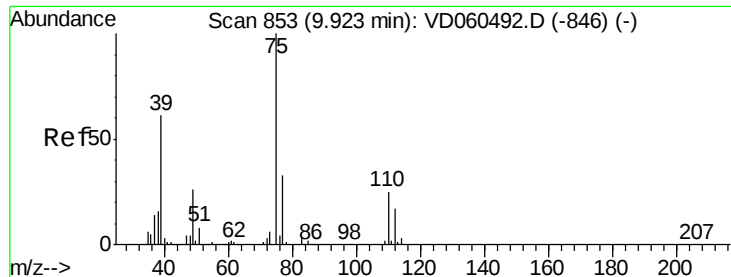
400000

200000

0

Time--> 9.40 9.50 9.60 9.70

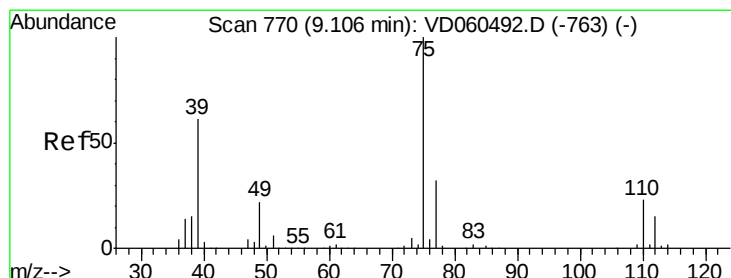
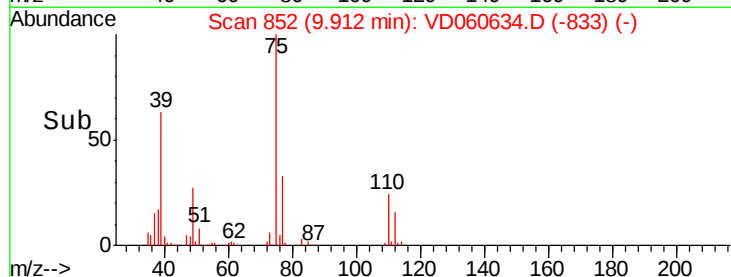
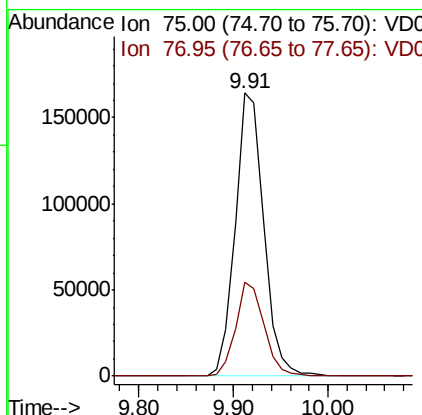
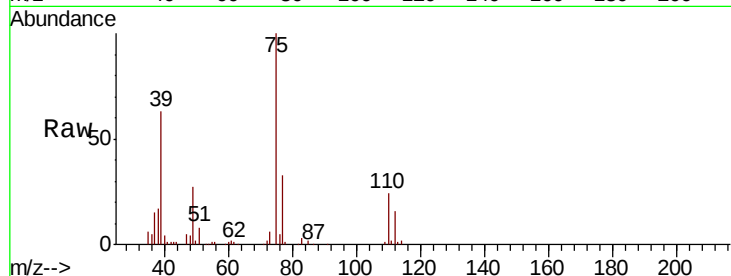




#53
 t-1,3-Dichloropropene
 Concen: 23.068 ug/l
 RT: 9.91 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

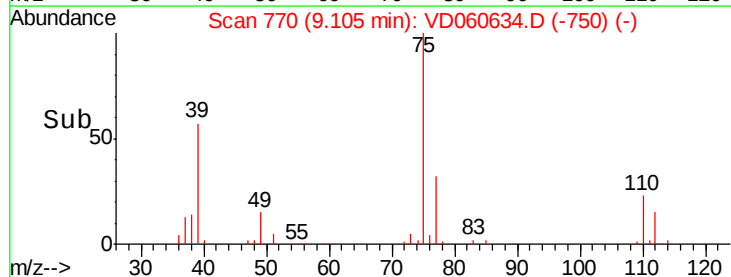
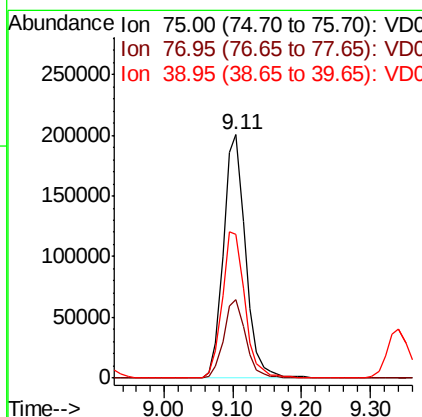
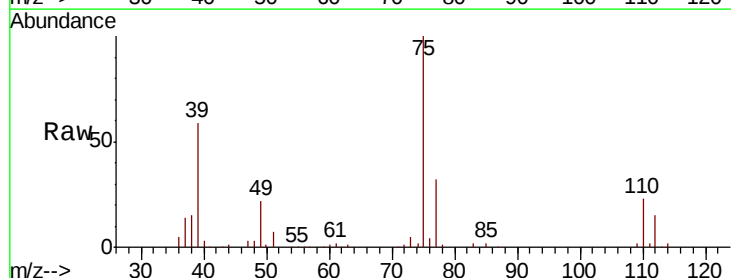
Instrument :
 MSVOA_D
 ClientSampleId :

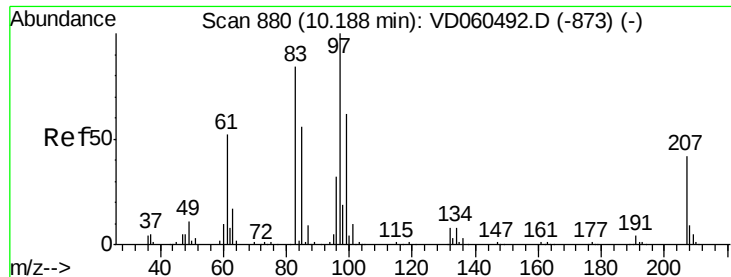
Tot Ion: 75 Resp: 342347
 Ion Ratio Lower Upper
 75 100
 77 33.3 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 22.825 ug/l
 RT: 9.11 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion: 75 Resp: 445052
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.6 38.4
 39 59.1 48.6 73.0





#55

1,1,2-Trichloroethane

Concen: 21.946 ug/l

RT: 10.18 min Scan# 879

Delta R.T. -0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 203479

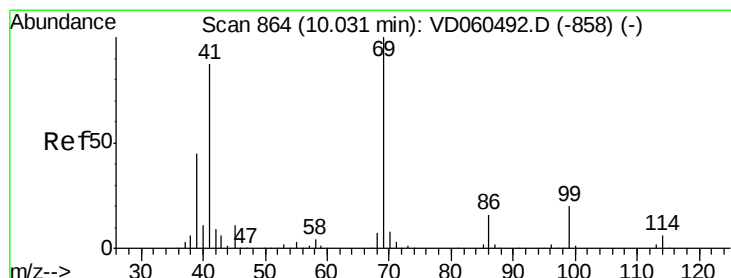
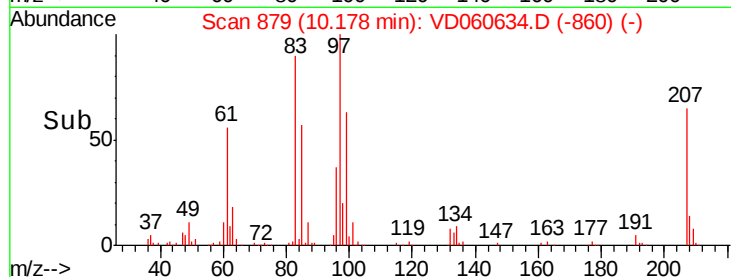
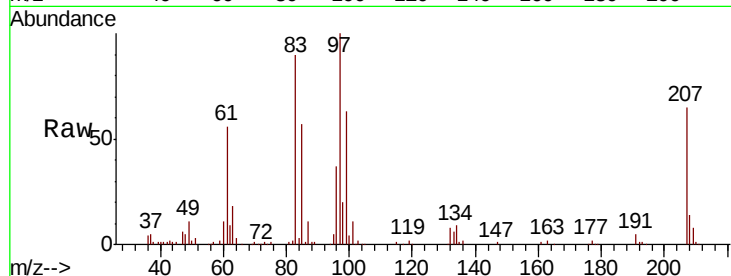
Ion	Ratio	Lower	Upper
97	100		
83	90.1	67.2	100.8
85	56.7	44.5	66.7
99	63.2	49.3	73.9

Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 22.894 ug/l

RT: 10.03 min Scan# 864

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

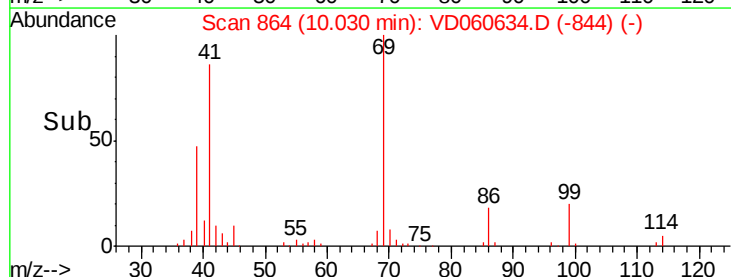
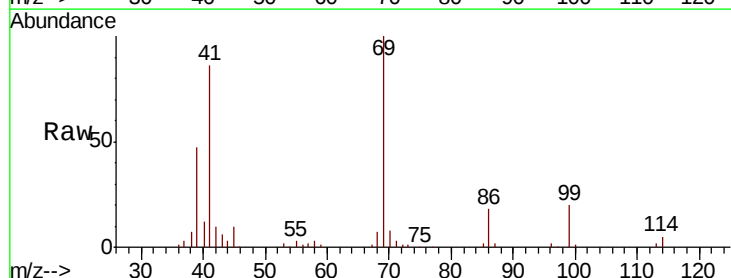
Tgt Ion: 69 Resp: 192107

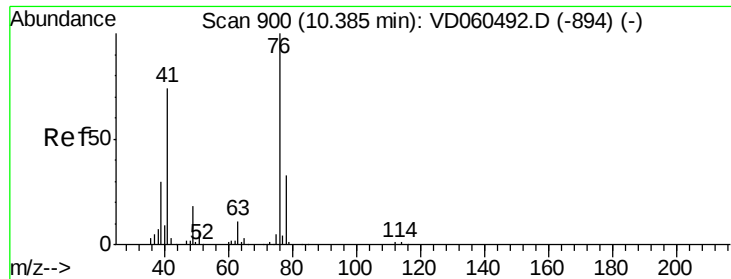
Ion	Ratio	Lower	Upper
69	100		
41	85.6	69.8	104.8
39	47.1	37.5	56.3

Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

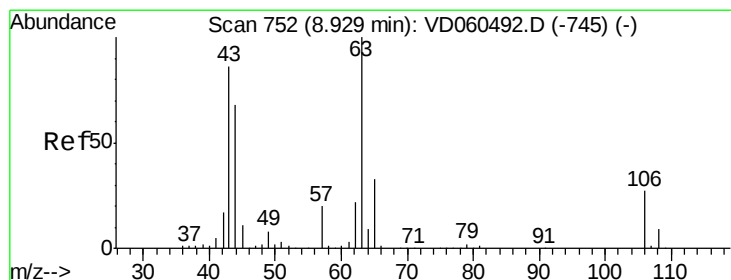
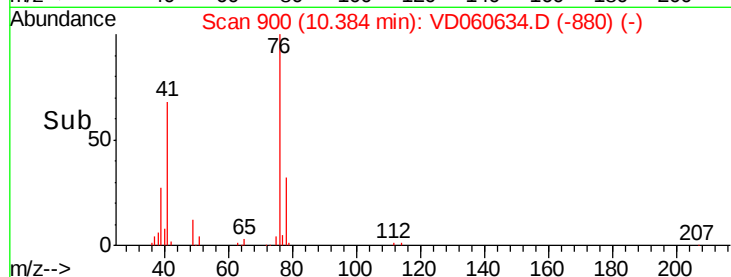
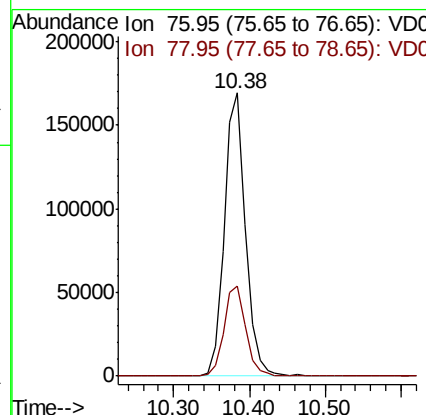
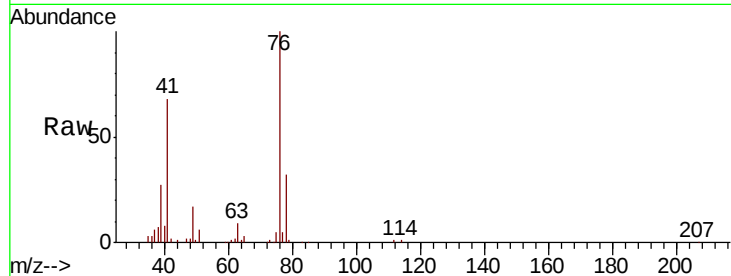




#57
 1,3-Dichloropropane
 Concen: 22.903 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

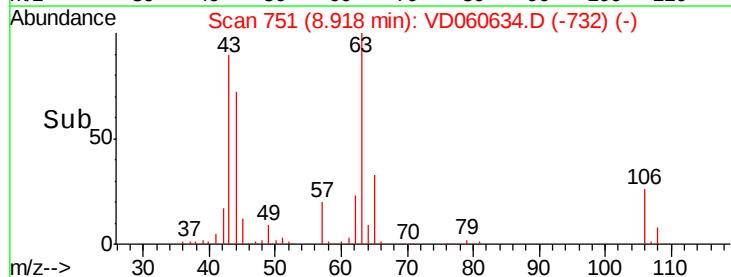
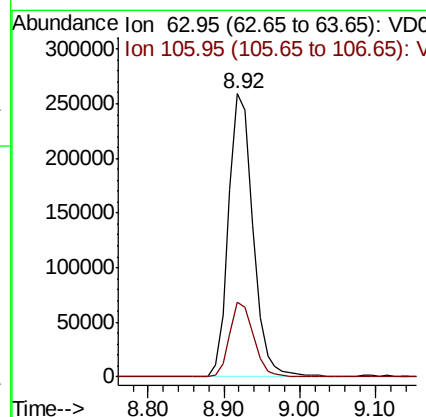
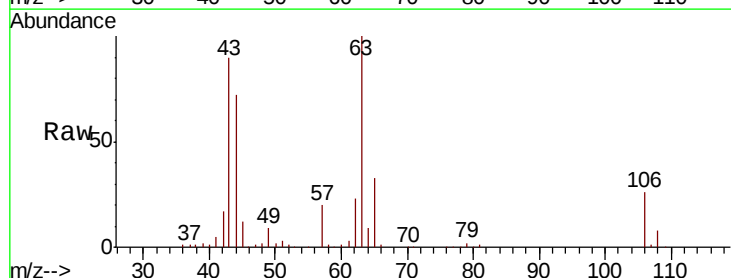
Instrument :
 MSVOA_D
 ClientSampleId :

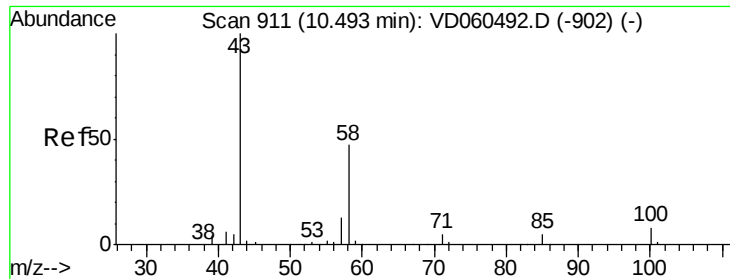
Tot Ion: 76 Resp: 328267
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.691 ug/l
 RT: 8.92 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion: 63 Resp: 580865
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.6 32.4

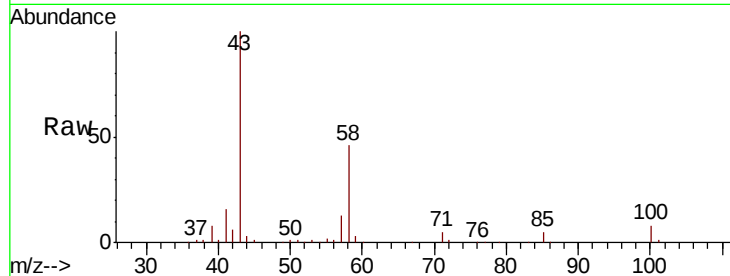




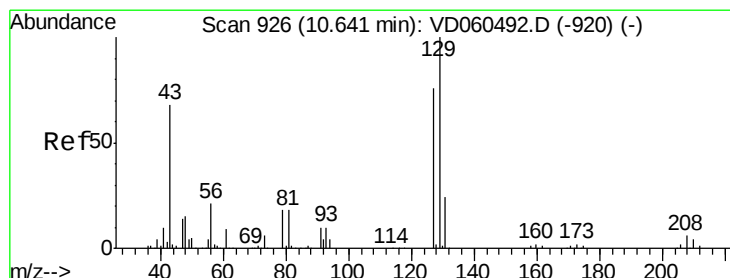
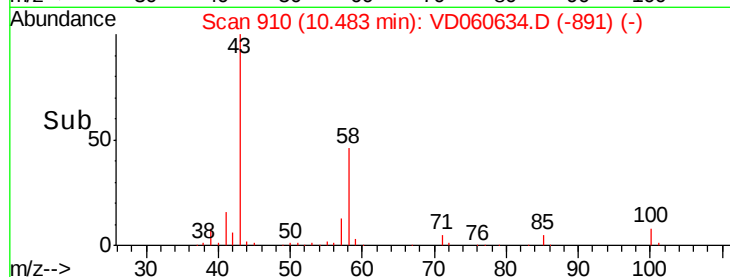
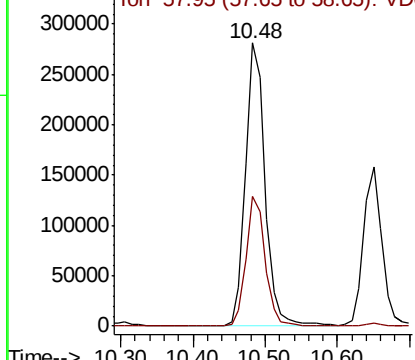
#59
2-Hexanone
Concen: 111.008 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 538567
Ion Ratio Lower Upper
43 100
58 45.9 23.4 70.2

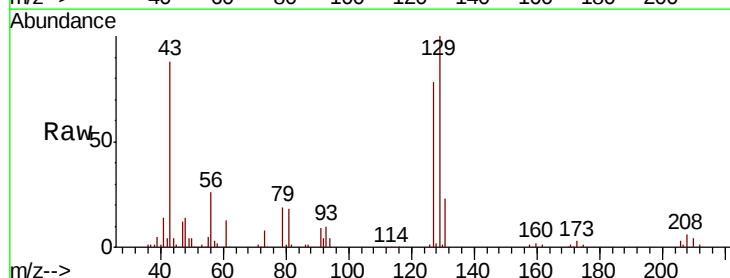


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

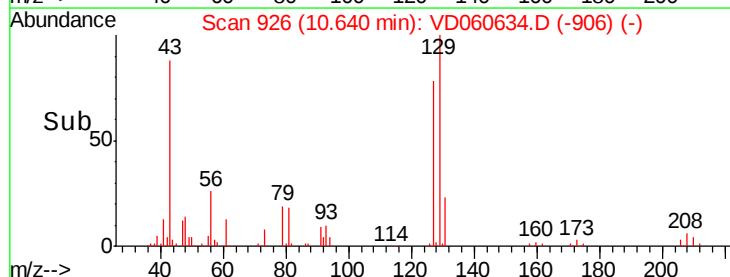
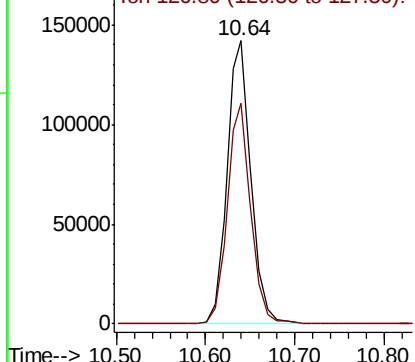


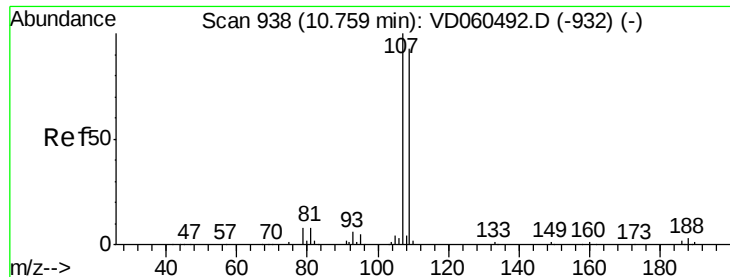
#60
Dibromochloromethane
Concen: 23.065 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion:129 Resp: 267376
Ion Ratio Lower Upper
129 100
127 78.1 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 22.434 ug/l

RT: 10.76 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

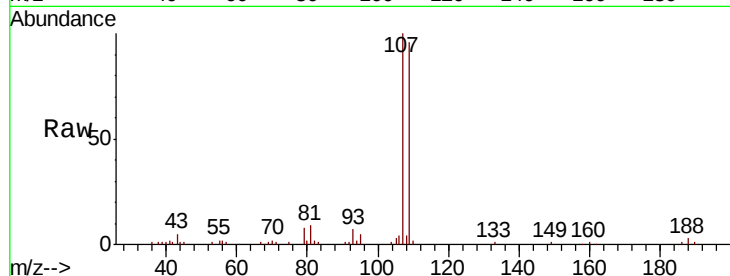
ClientSampleId :

Tot Ion:107 Resp: 211981

Ion Ratio Lower Upper

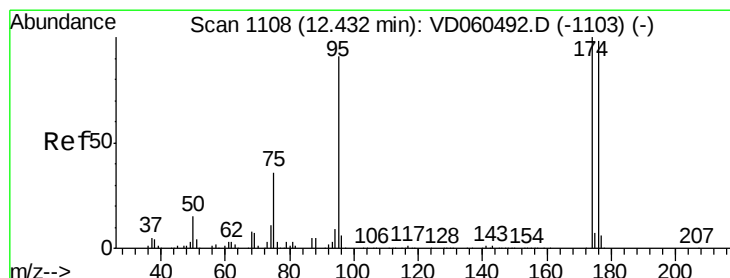
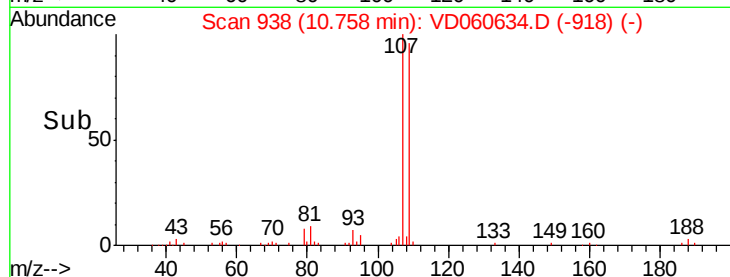
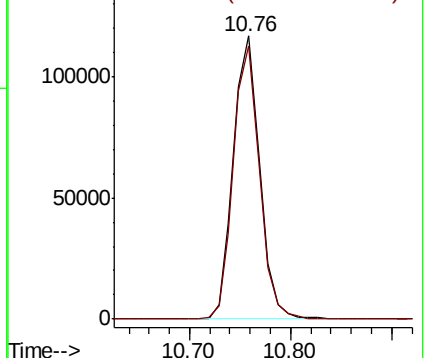
107 100

109 96.3 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.434 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

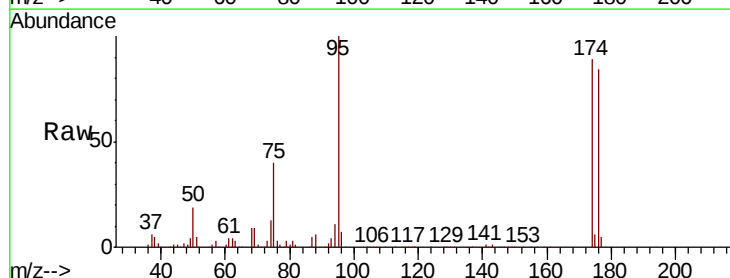
Tgt Ion: 95 Resp: 850980

Ion Ratio Lower Upper

95 100

174 88.8 0.0 219.4

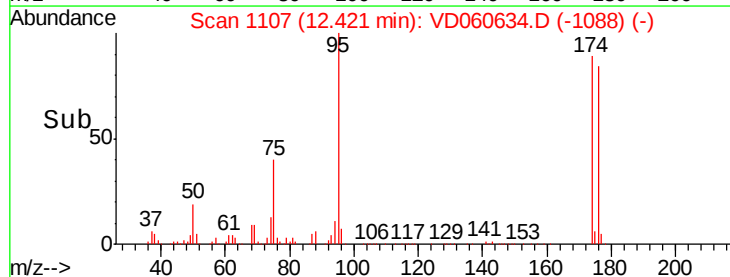
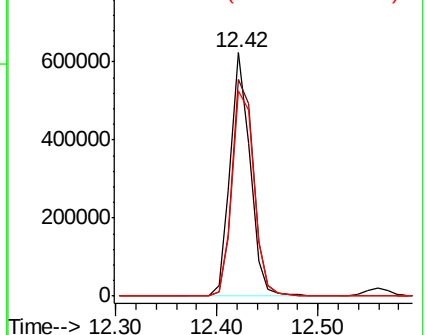
176 84.2 0.0 214.6

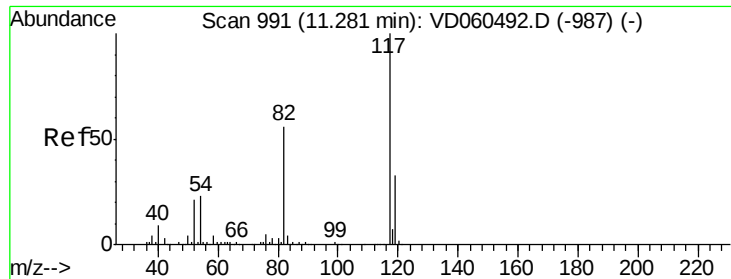


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

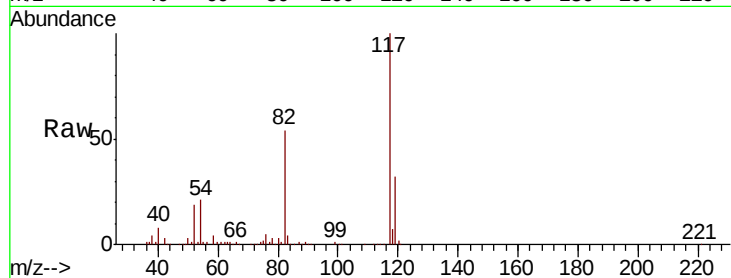




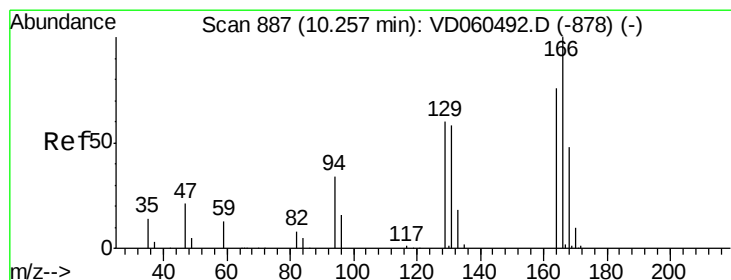
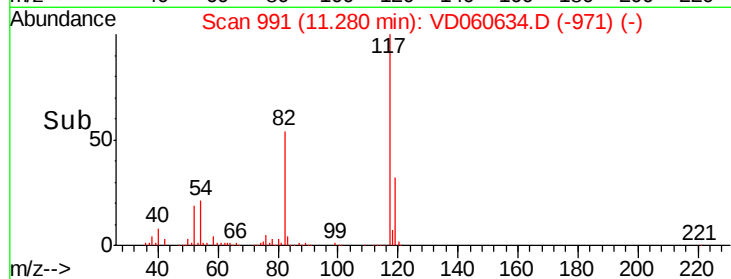
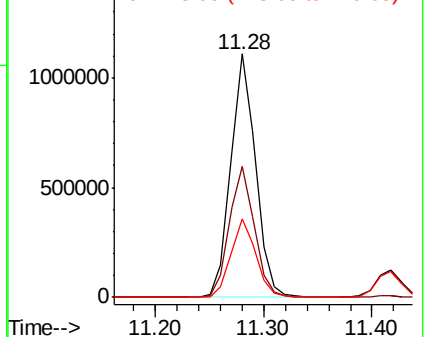
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1771453
Ion Ratio Lower Upper
117 100
82 53.8 45.2 67.8
119 32.2 26.1 39.1

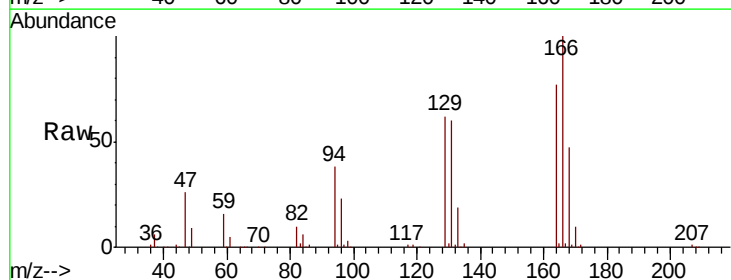


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

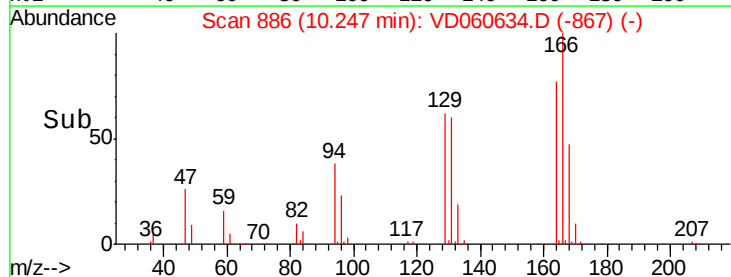
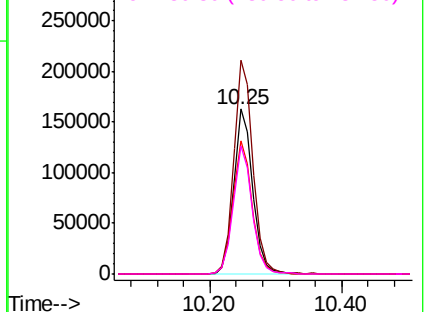


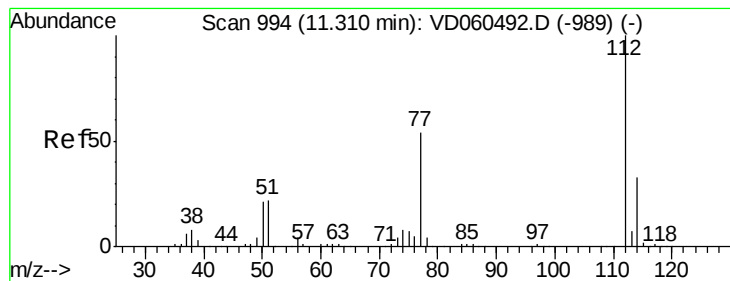
#64
Tetrachloroethene
Concen: 20.985 ug/l
RT: 10.25 min Scan# 886
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion:164 Resp: 329175
Ion Ratio Lower Upper
164 100
166 129.7 105.0 157.6
129 81.0 63.0 94.4
131 77.6 60.6 90.8



Abundance Ion 163.85 (163.55 to 164.55): V
300000 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: 22.073 ug/l

RT: 11.31 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

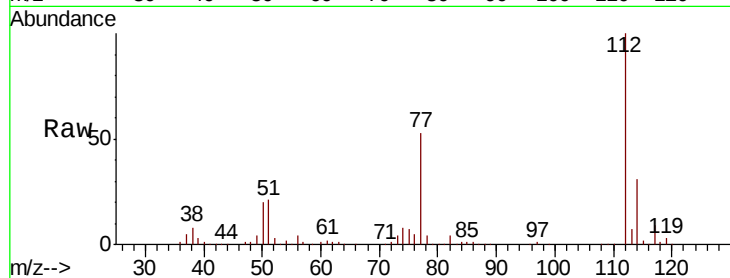
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 827214

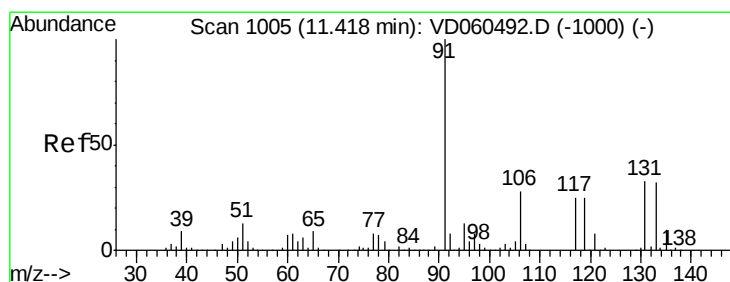
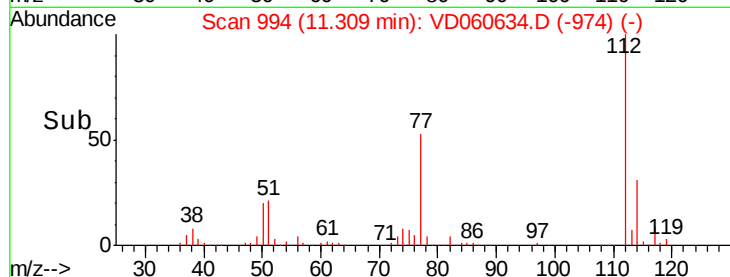
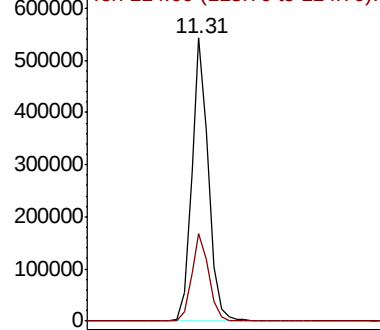
Ion Ratio Lower Upper

112 100

114 31.1 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.416 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

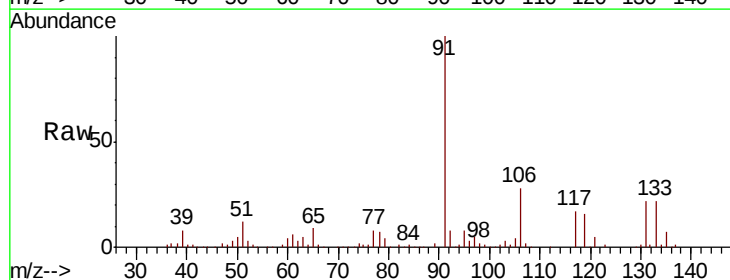
Tgt Ion:131 Resp: 270769

Ion Ratio Lower Upper

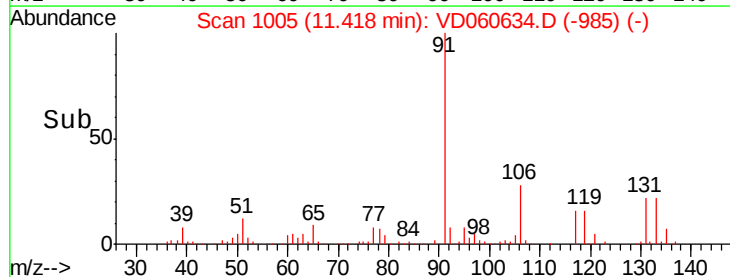
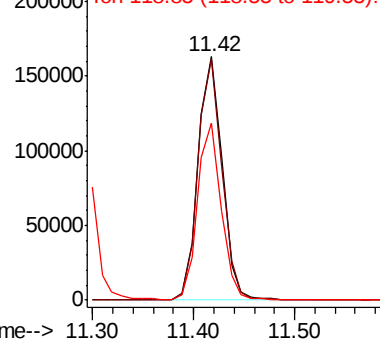
131 100

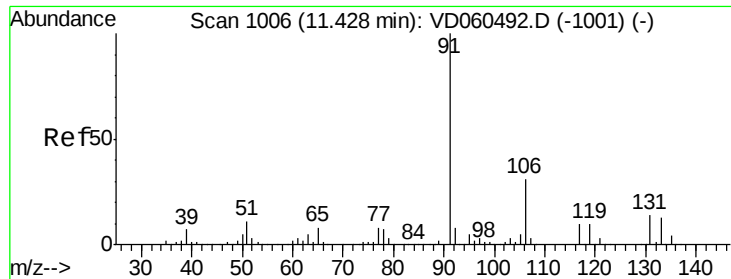
133 98.8 49.1 147.3

119 72.7 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

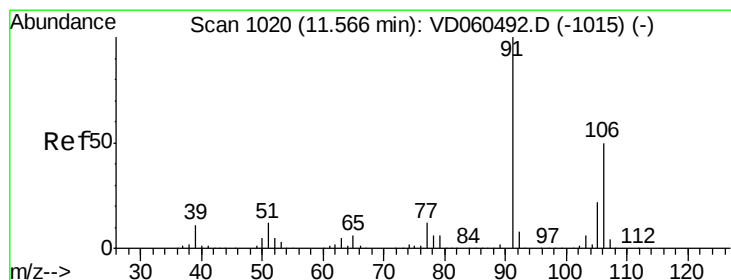
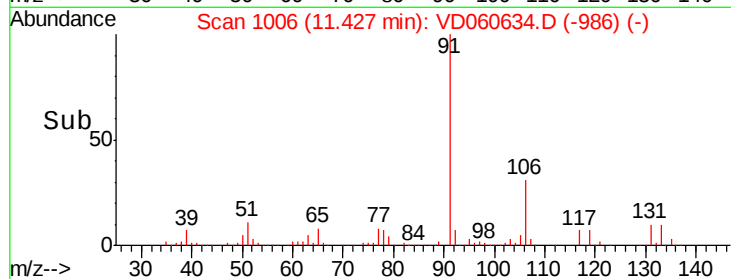
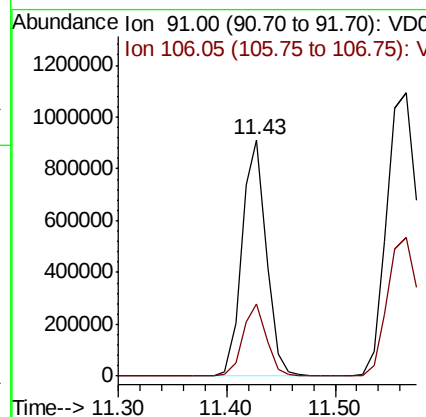
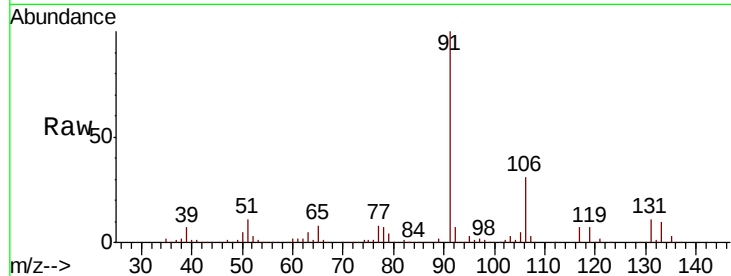




#67
Ethyl Benzene
Concen: 22.285 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

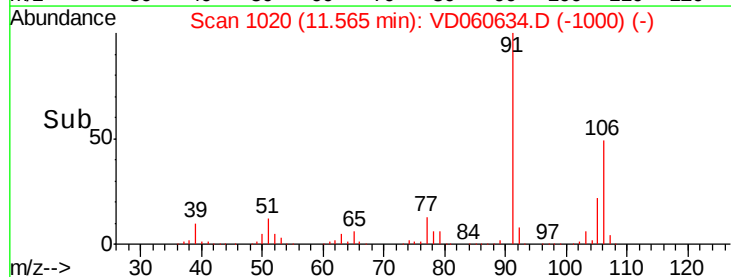
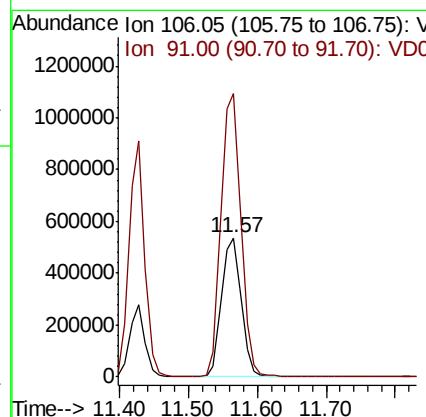
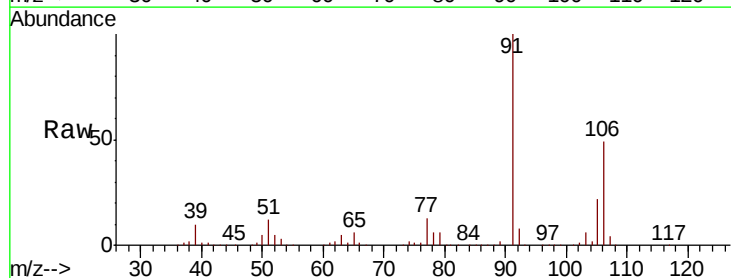
Instrument :
MSVOA_D
ClientSampleID :

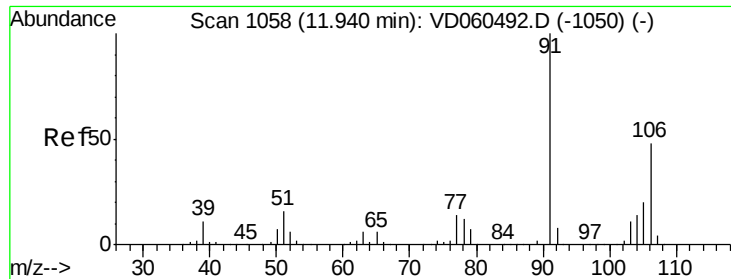
Tot Ion: 91 Resp: 1424503
Ion Ratio Lower Upper
91 100
106 30.6 24.6 37.0



#68
m/p-Xylenes
Concen: 45.126 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 106 Resp: 1067175
Ion Ratio Lower Upper
106 100
91 203.1 160.5 240.7

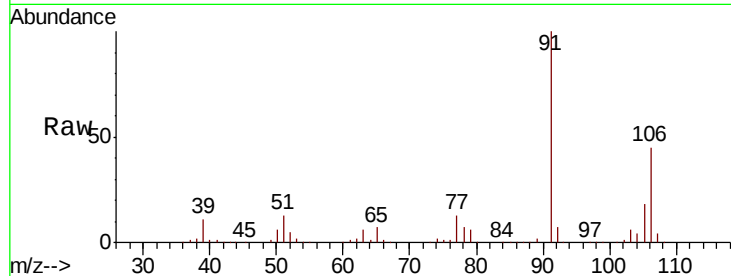




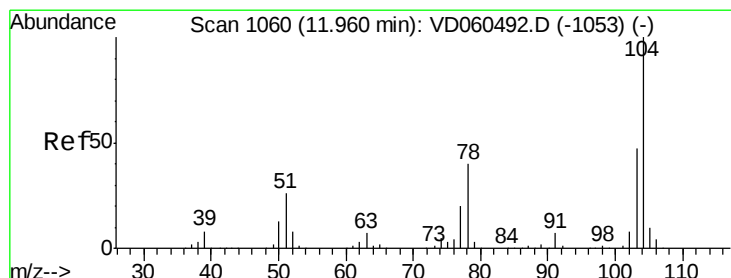
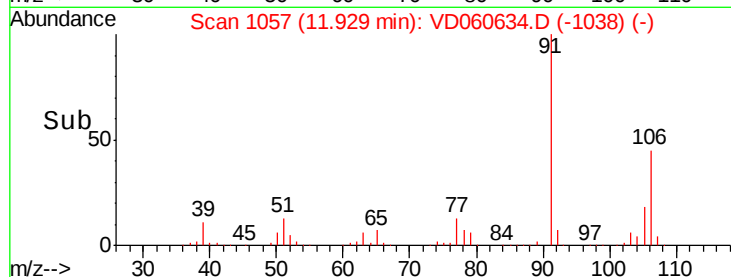
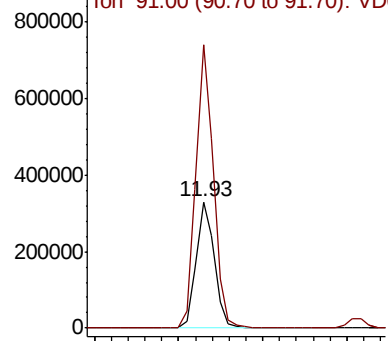
#69
o-Xylene
Concen: 21.854 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 492538
Ion Ratio Lower Upper
106 100
91 224.4 103.4 310.1

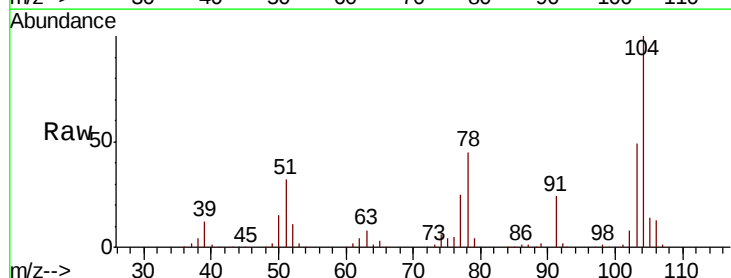


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

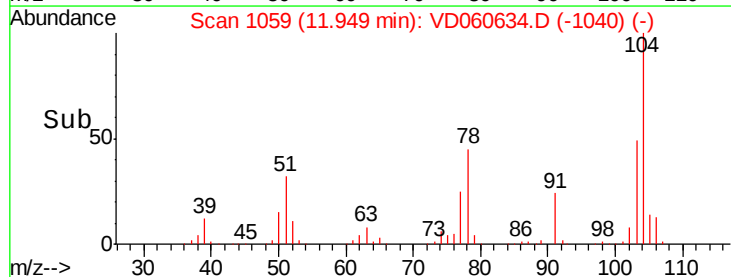
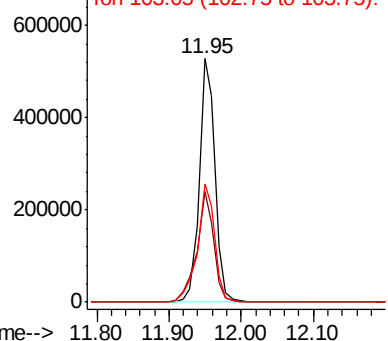


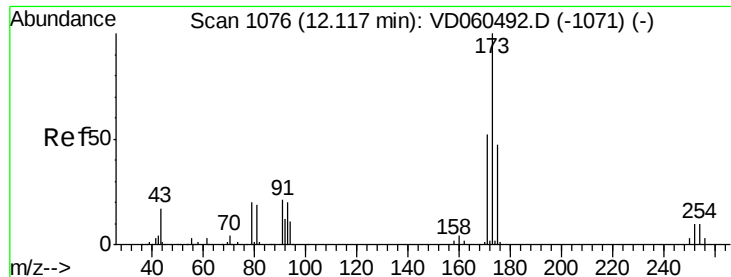
#70
Styrene
Concen: 21.834 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion:104 Resp: 789864
Ion Ratio Lower Upper
104 100
78 45.2 32.1 48.1
103 48.7 37.2 55.8



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





#71

Bromoform

Concen: 21.271 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

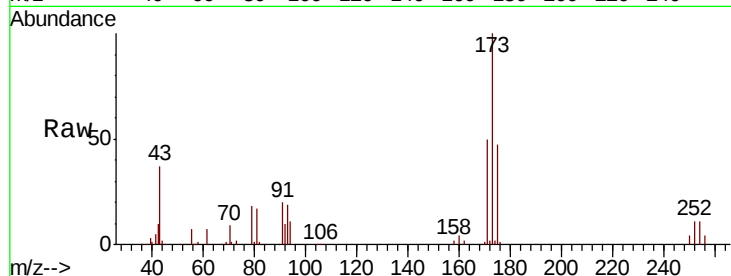
Tot Ion:173 Resp: 171419

Ion Ratio Lower Upper

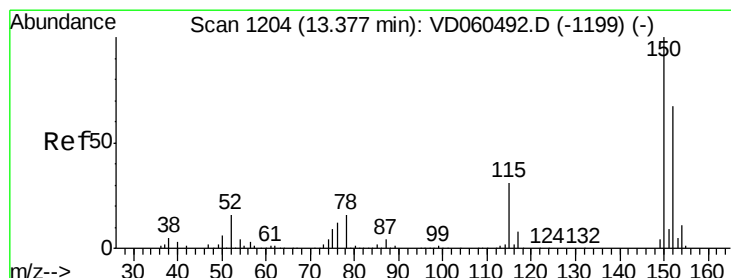
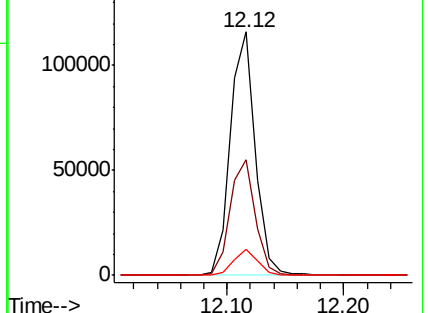
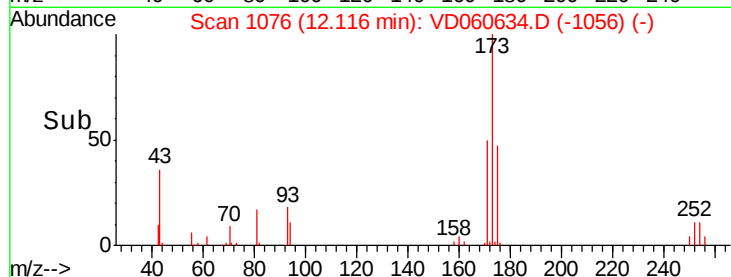
173 100

175 47.3 23.5 70.6

254 10.6 7.8 11.8



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

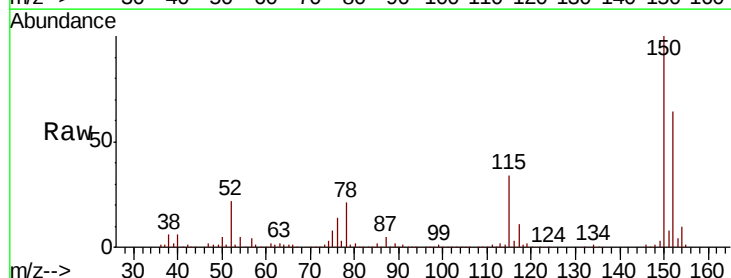
Tgt Ion:152 Resp: 913623

Ion Ratio Lower Upper

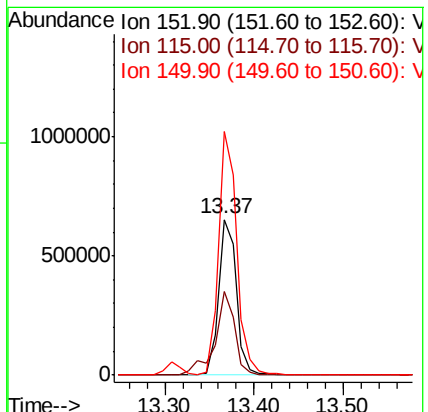
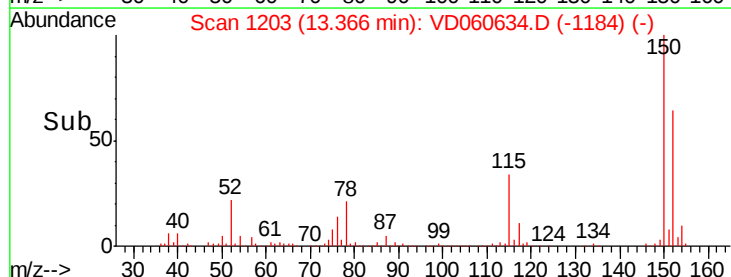
152 100

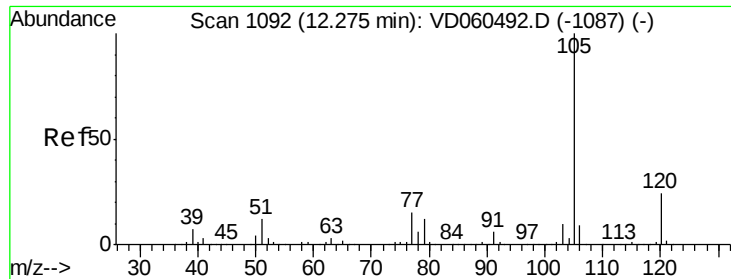
115 53.9 24.6 74.0

150 156.6 0.0 309.0



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





#73

Isopropylbenzene

Concen: 21.061 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

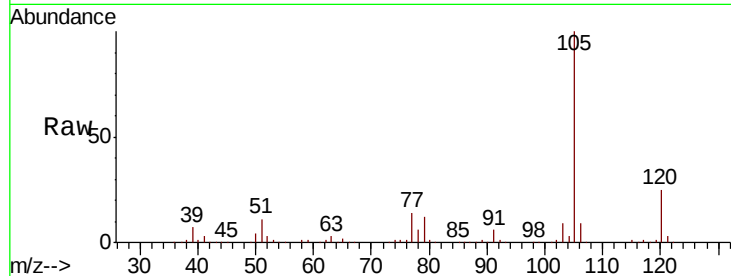
ClientSampled :

Tot Ion:105 Resp: 1361597

Ion Ratio Lower Upper

105 100

120 24.8 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

1000000

800000

600000

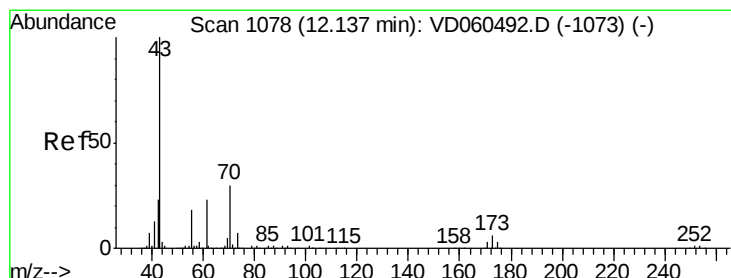
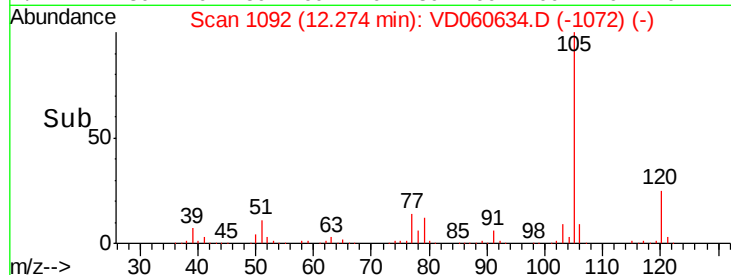
400000

200000

0

Time-->

12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 20.593 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Tgt Ion: 43 Resp: 321769

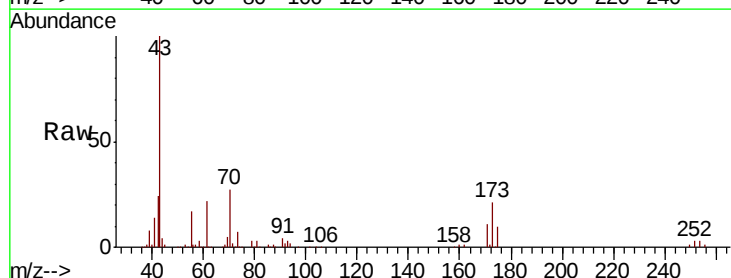
Ion Ratio Lower Upper

43 100

70 26.7 23.8 35.8

55 17.2 14.2 21.2

61 22.3 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

300000

250000

200000

150000

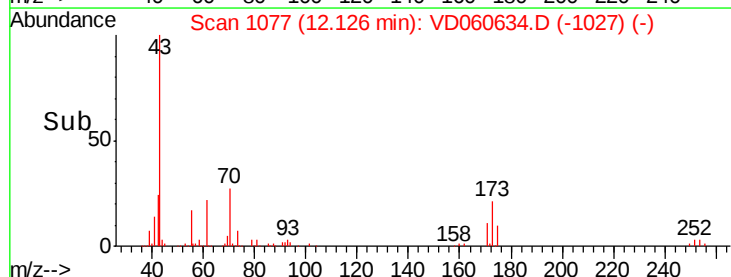
100000

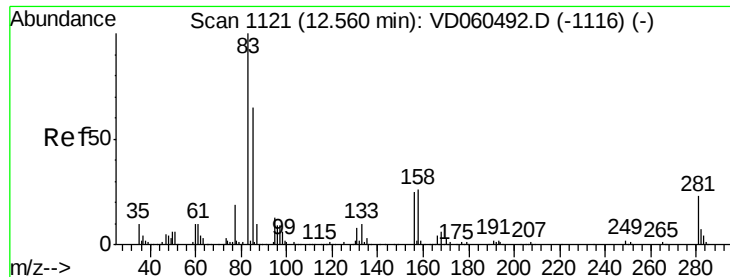
50000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 21.767 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

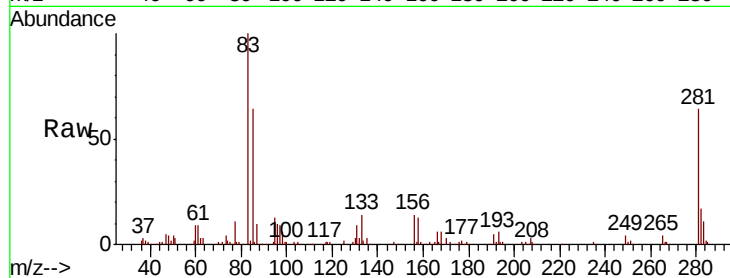
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 83 Resp: 225296

Ion	Ratio	Lower	Upper
83	100		
131	8.9	3.8	11.4
85	63.7	32.3	96.9



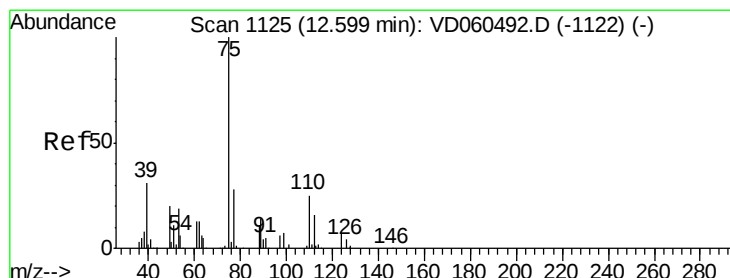
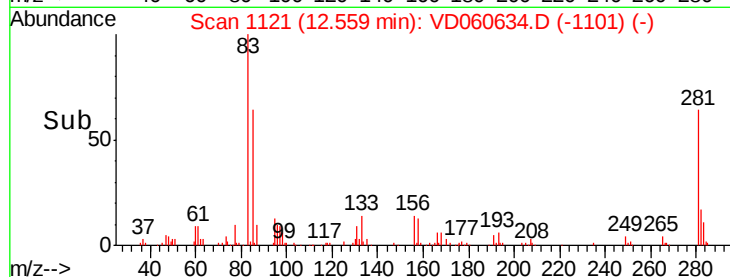
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

12.56

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.169 ug/l

RT: 12.60 min Scan# 1125

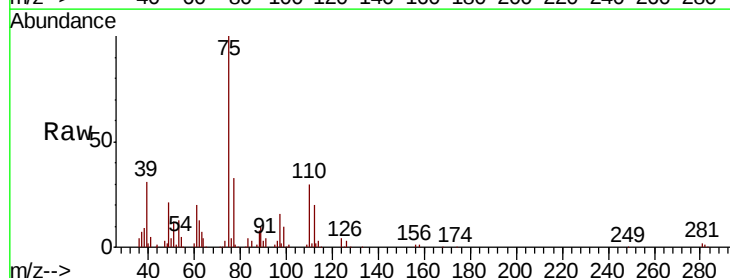
Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Tgt Ion: 75 Resp: 219144

Ion	Ratio	Lower	Upper
75	100		
77	33.5	16.4	49.4

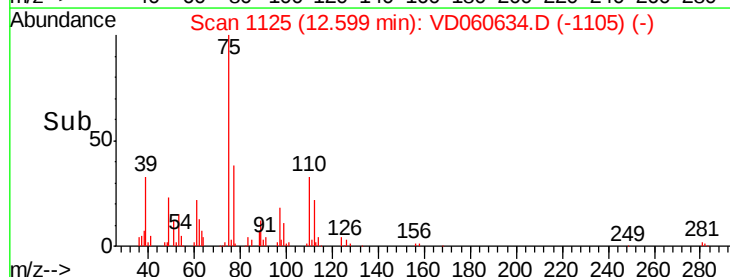


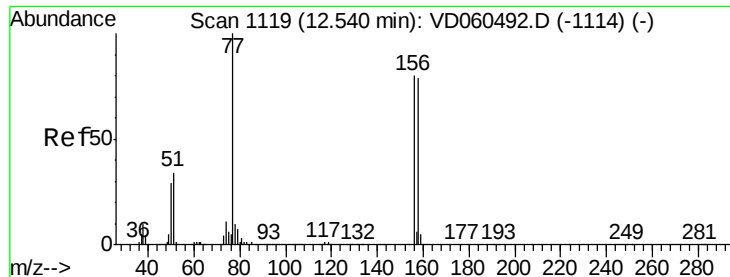
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.60

Time-->





#77

Bromobenzene

Concen: 21.180 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

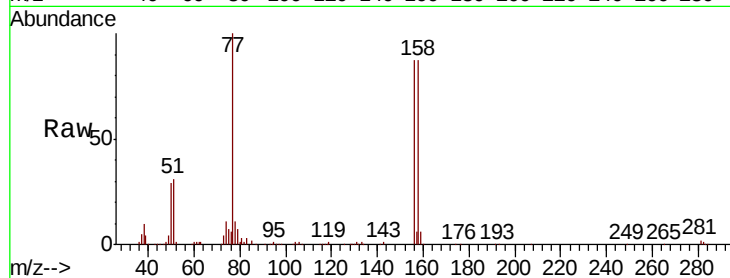
Tot Ion:156 Resp: 359935

Ion Ratio Lower Upper

156 100

77 115.0 62.5 187.6

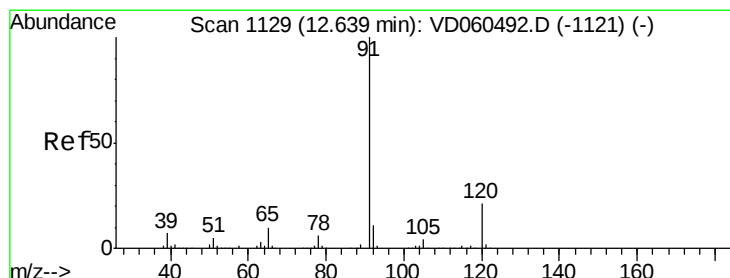
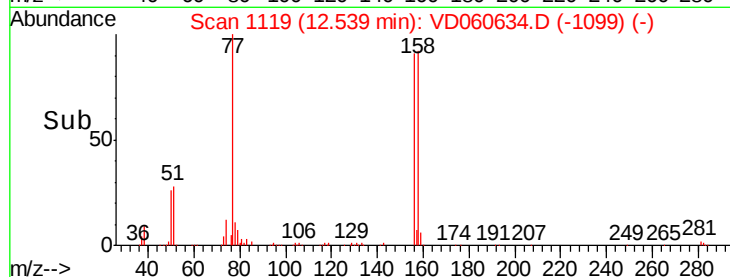
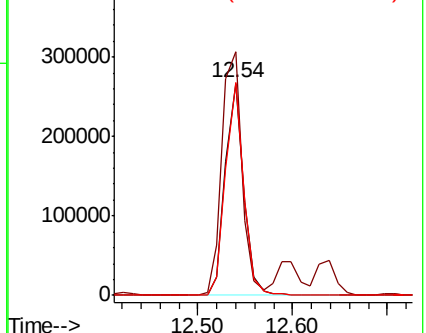
158 100.5 49.4 148.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.023 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VD060634.D

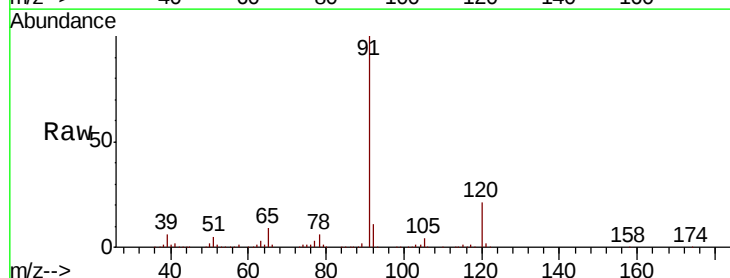
Acq: 19 Dec 2018 12:18

Tgt Ion: 91 Resp: 1799839

Ion Ratio Lower Upper

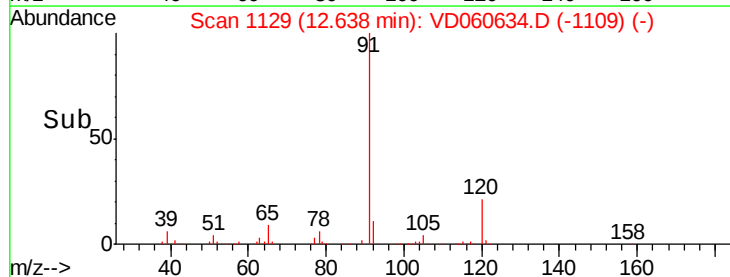
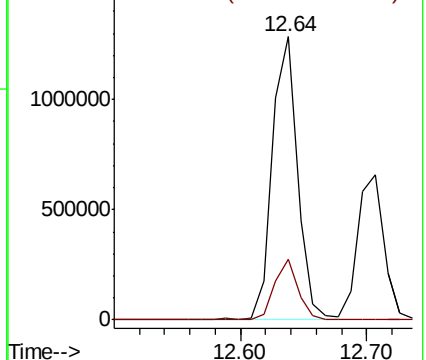
91 100

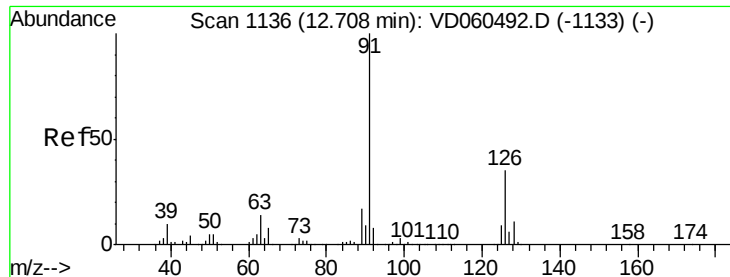
120 21.4 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.668 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

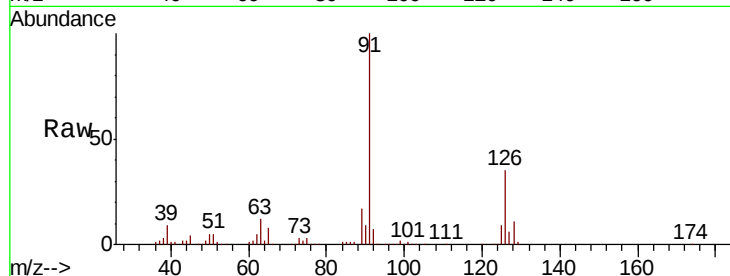
ClientSampleId :

Tot Ion: 91 Resp: 960894

Ion Ratio Lower Upper

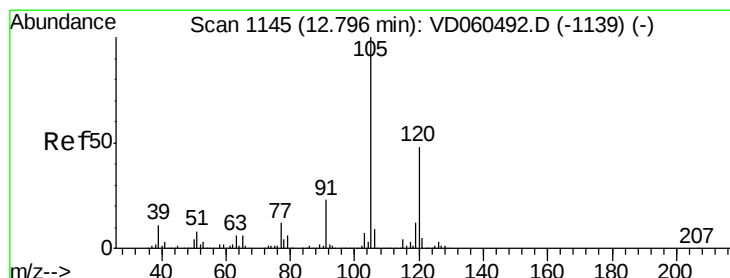
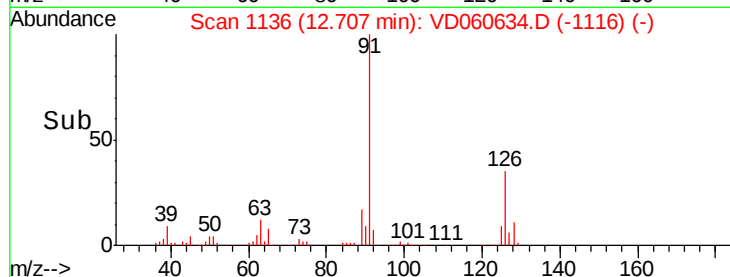
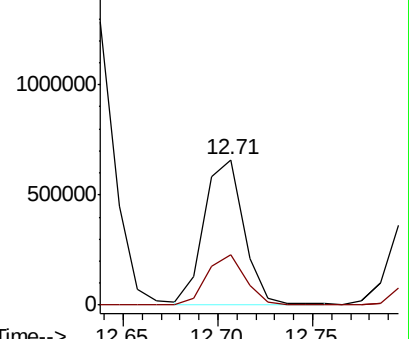
91 100

126 34.9 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.265 ug/l

RT: 12.79 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD060634.D

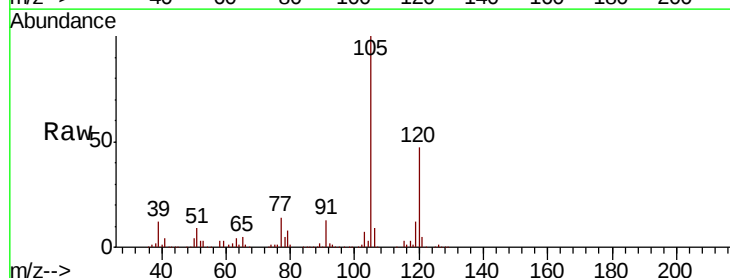
Acq: 19 Dec 2018 12:18

Tgt Ion:105 Resp: 1099929

Ion Ratio Lower Upper

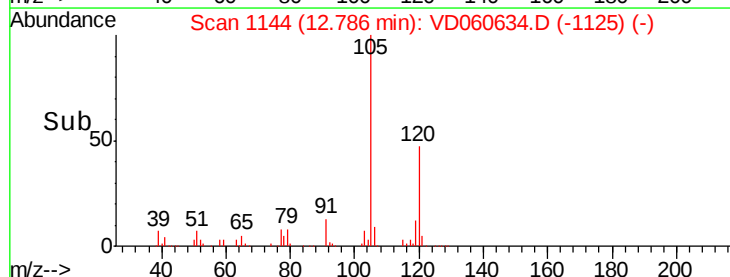
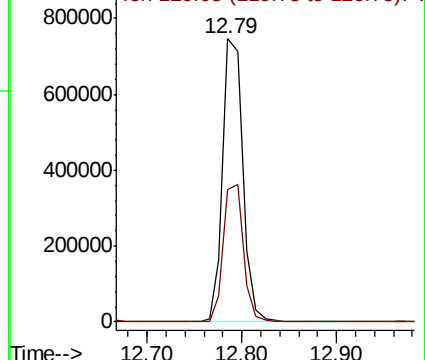
105 100

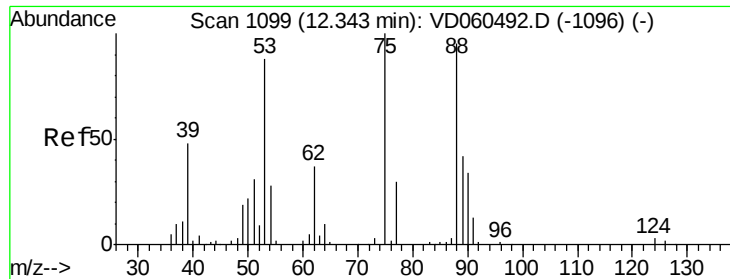
120 46.6 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.583 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

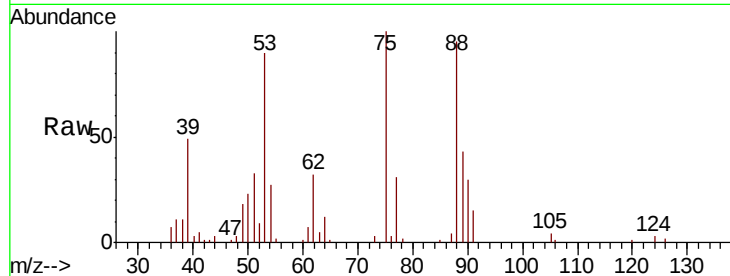
Tot Ion: 75 Resp: 59427

Ion Ratio Lower Upper

75 100

53 90.5 70.5 105.7

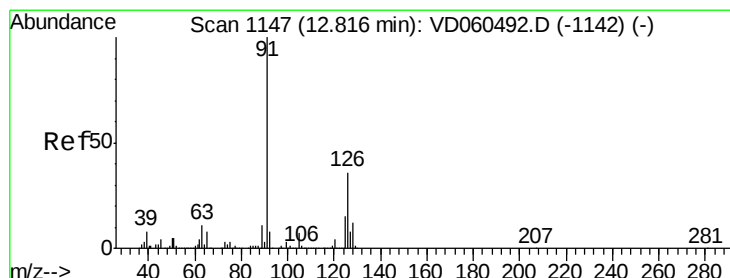
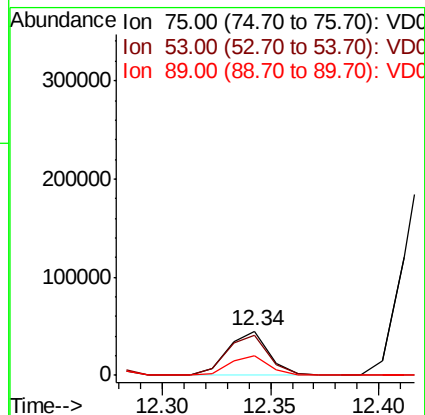
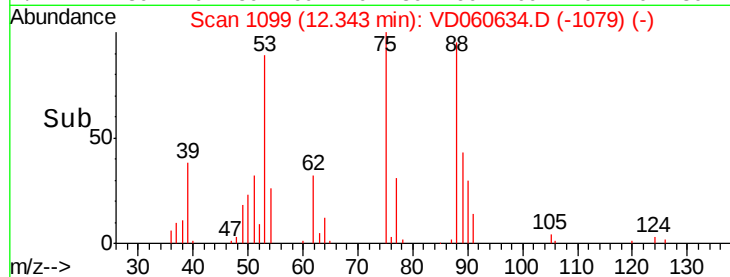
89 42.9 33.6 50.4



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: 22.112 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VD060634.D

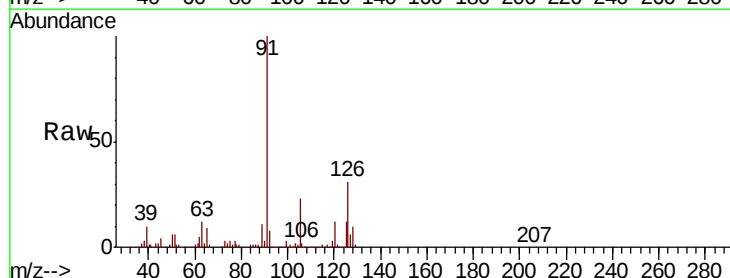
Acq: 19 Dec 2018 12:18

Tgt Ion: 91 Resp: 1101368

Ion Ratio Lower Upper

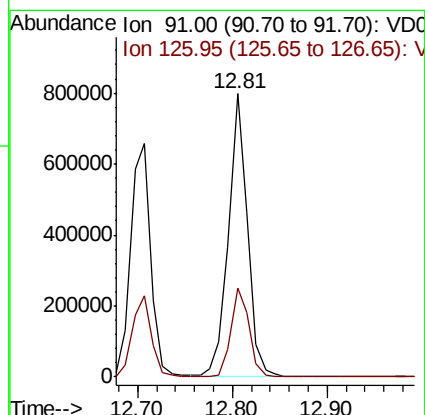
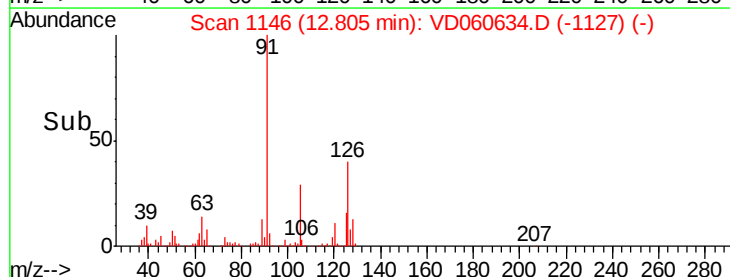
91 100

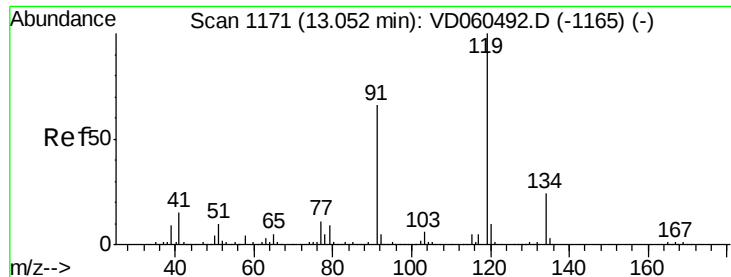
126 31.2 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

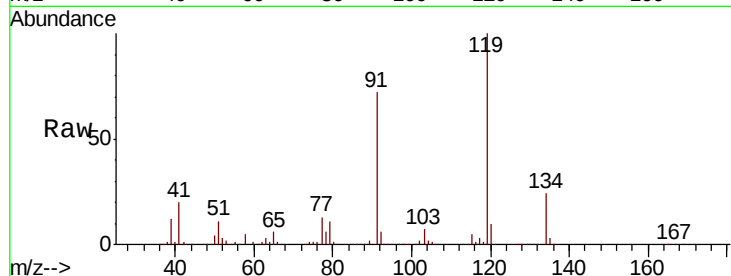




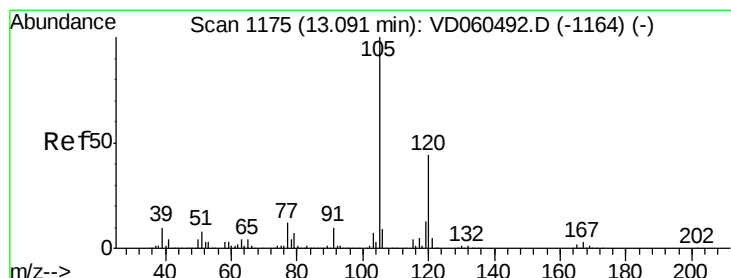
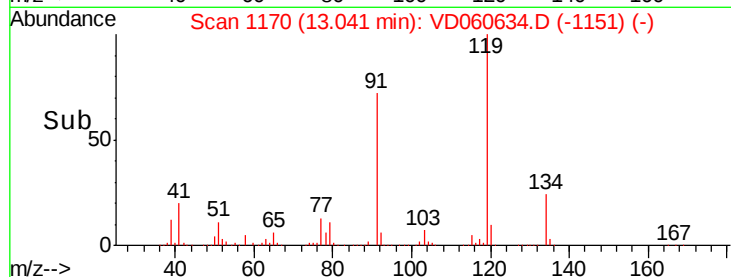
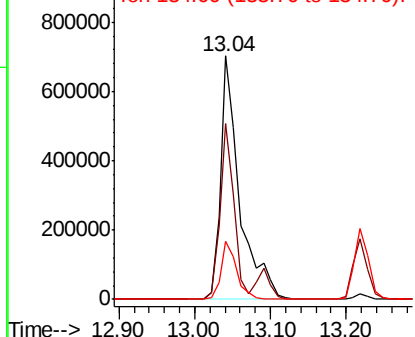
#83
tert-Butylbenzene
Concen: 22.409 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 1241259
Ion Ratio Lower Upper
119 100
91 72.2 33.1 99.2
134 23.8 12.0 36.0

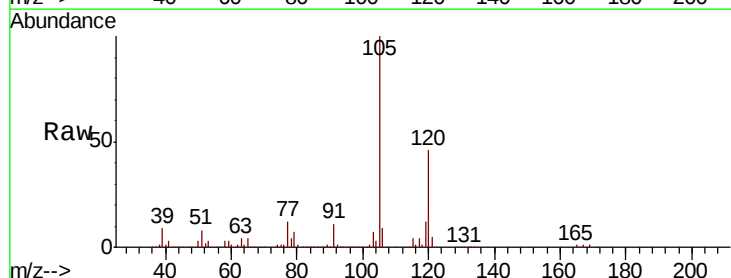


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

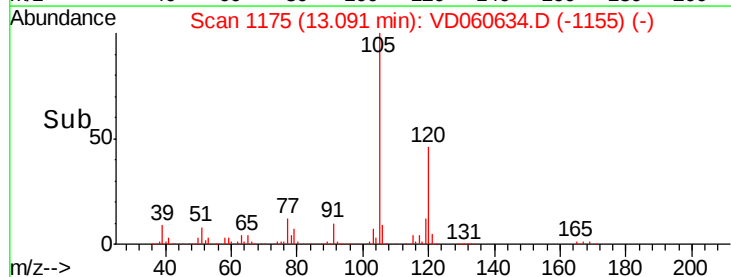
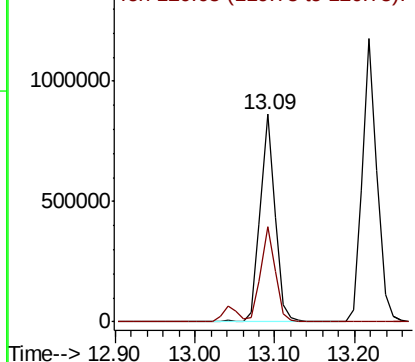


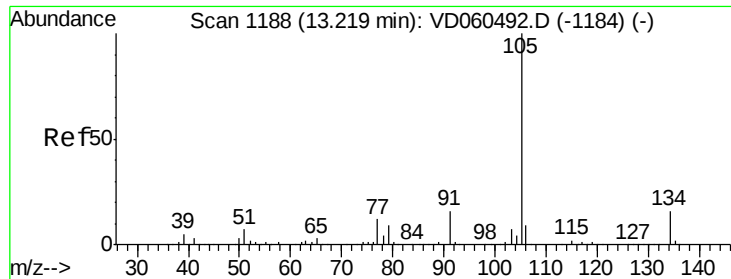
#84
1,2,4-Trimethylbenzene
Concen: 21.359 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion:105 Resp: 1092582
Ion Ratio Lower Upper
105 100
120 45.9 22.3 66.8



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





#85

sec-Butylbenzene

Concen: 21.796 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

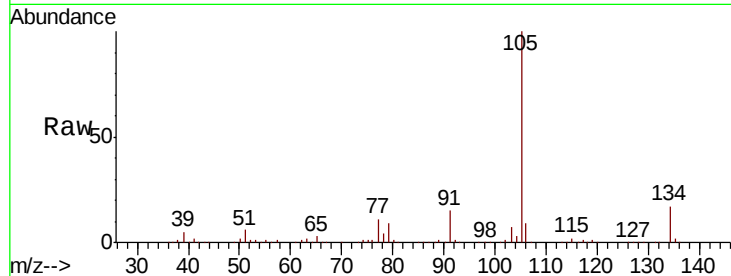
ClientSampled :

Tot Ion:105 Resp: 1504711

Ion Ratio Lower Upper

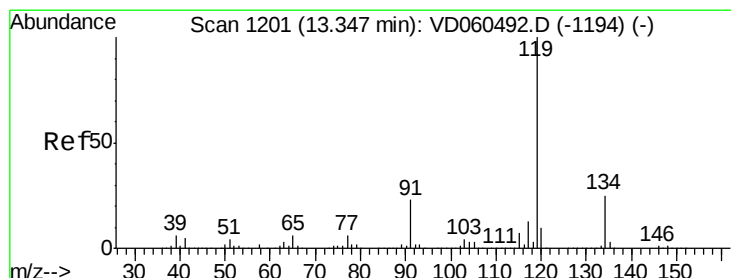
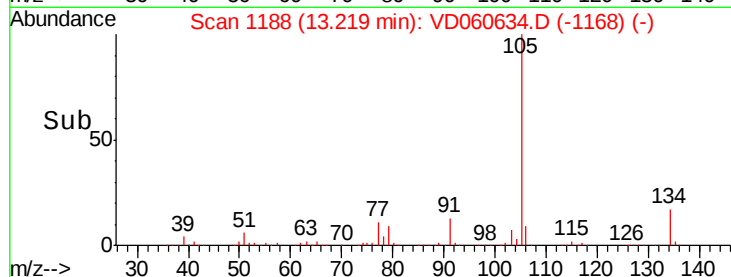
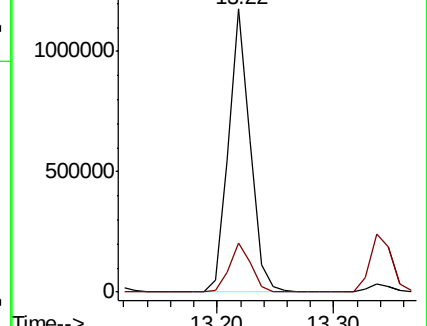
105 100

134 17.4 7.9 23.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.791 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

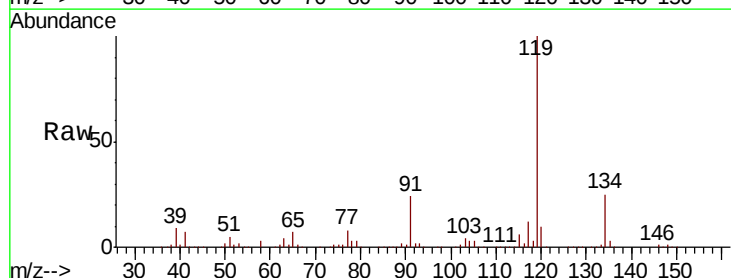
Tgt Ion:119 Resp: 1247277

Ion Ratio Lower Upper

119 100

134 25.1 12.5 37.5

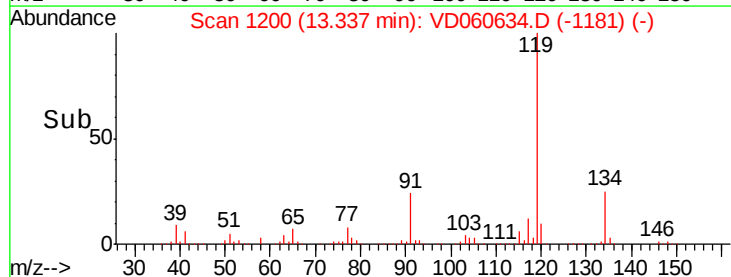
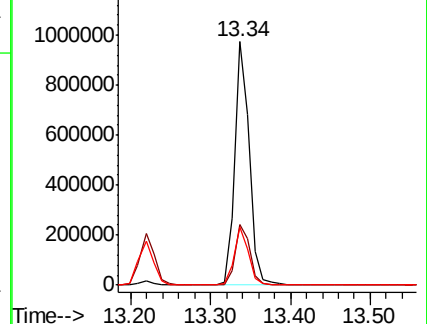
91 24.1 11.5 34.4

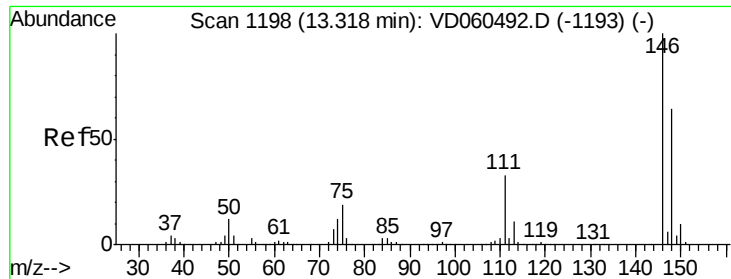


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

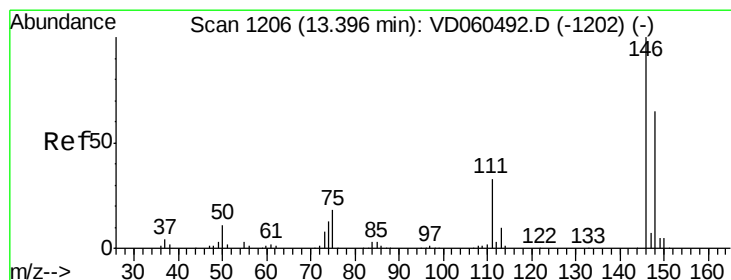
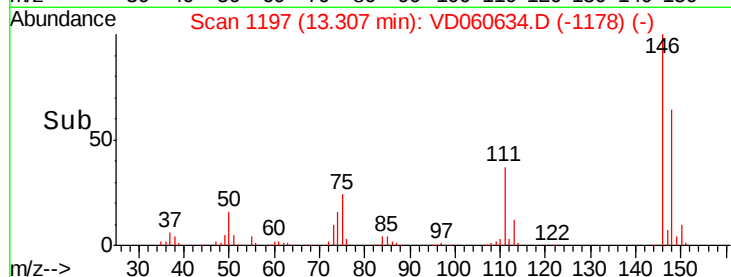
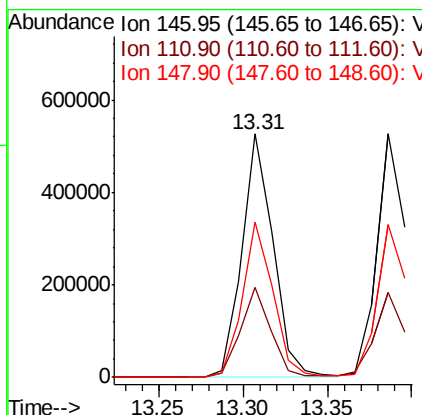
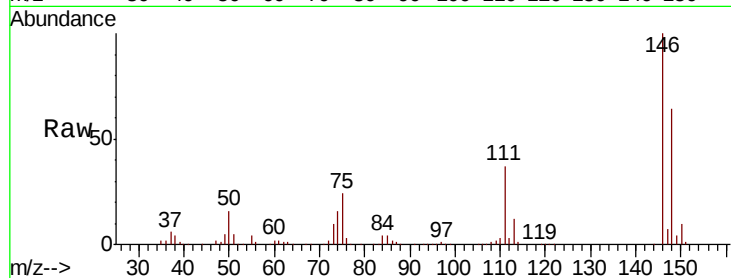




#87
 1,3-Dichlorobenzene
 Concen: 21.929 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

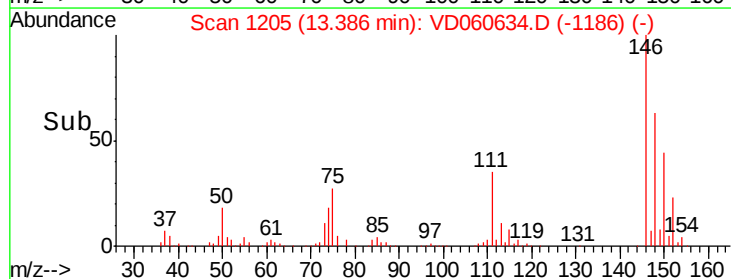
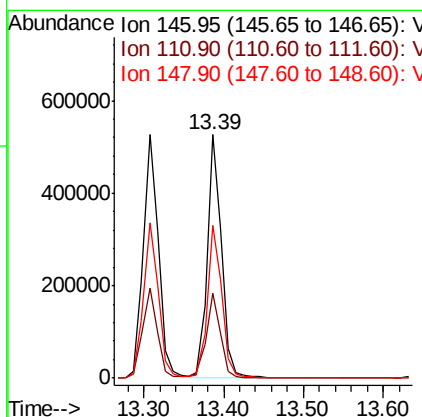
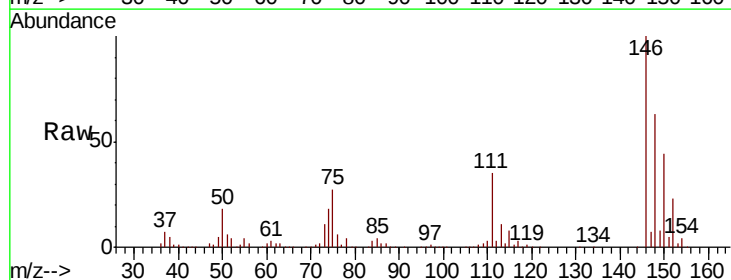
Instrument :
 MSVOA_D
 ClientSampleId :

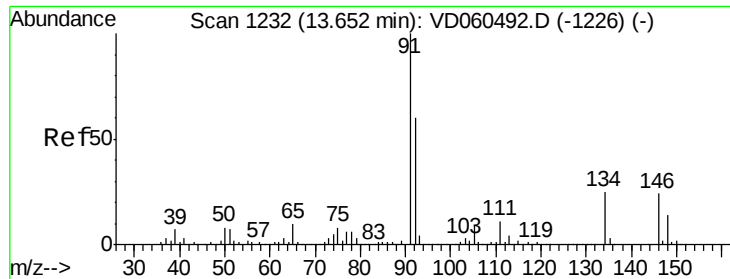
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	16.5	49.5
148	63.9	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.698 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	16.4	49.1
148	62.8	32.6	98.0

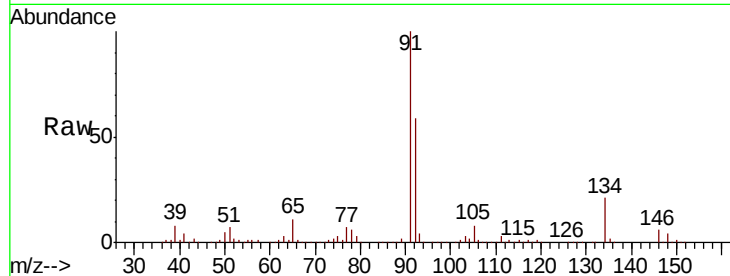




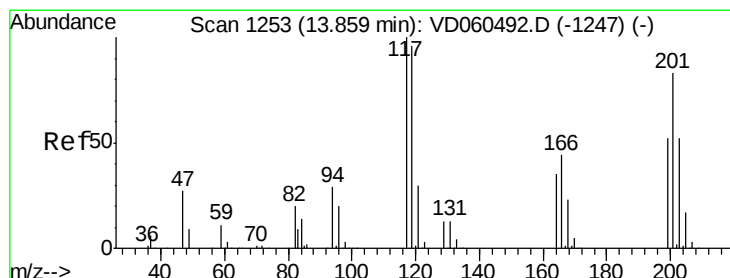
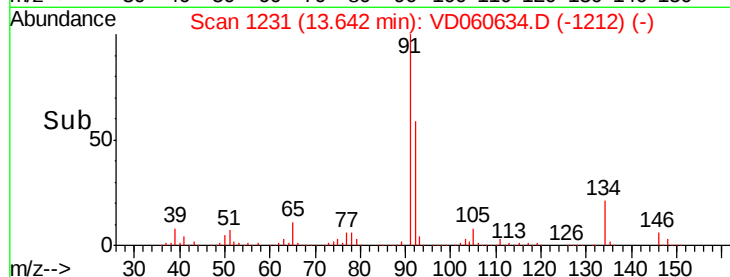
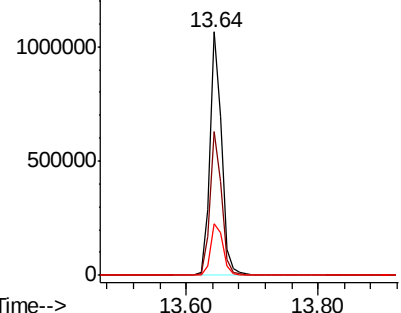
#89
n-Butylbenzene
Concen: 21.793 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 1318930
Ion Ratio Lower Upper
91 100
92 59.1 30.0 90.1
134 21.2 12.5 37.5

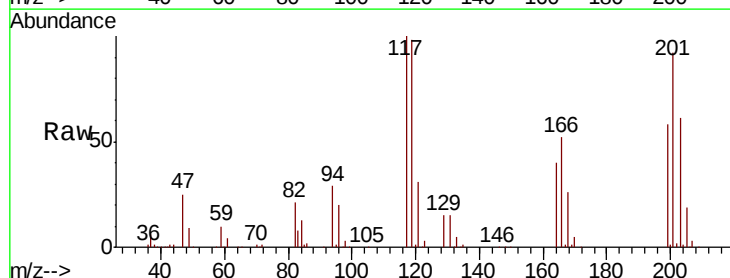


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

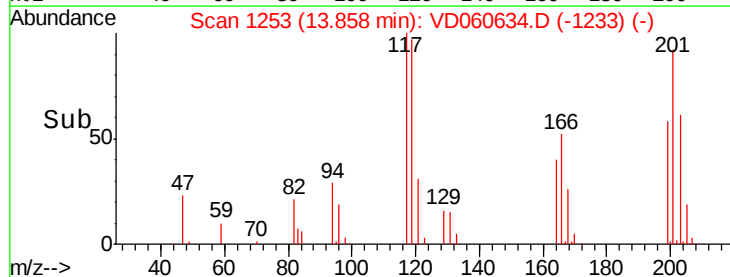
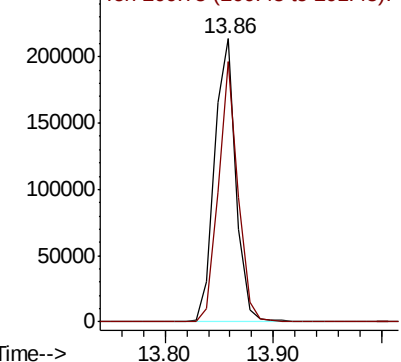


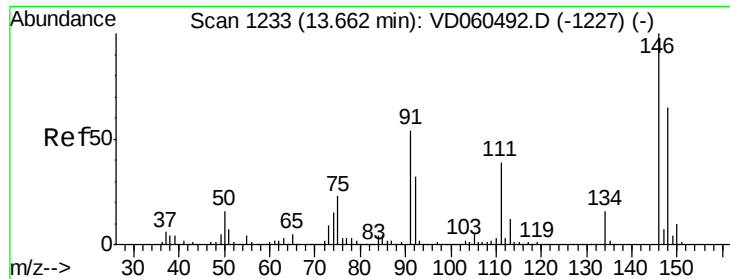
#90
Hexachloroethane
Concen: 21.355 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 117 Resp: 293021
Ion Ratio Lower Upper
117 100
201 92.0 41.3 123.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

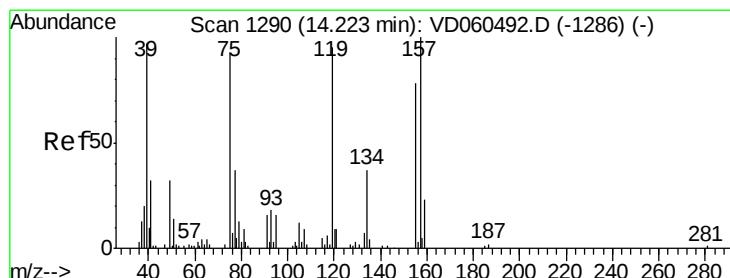
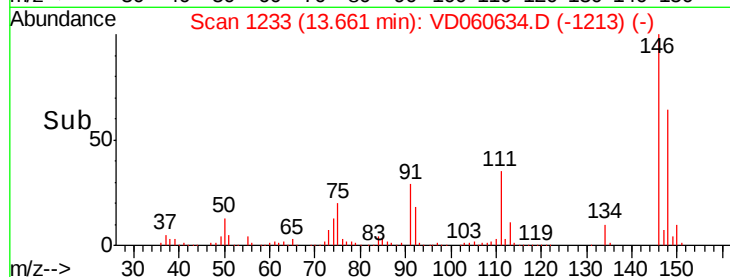
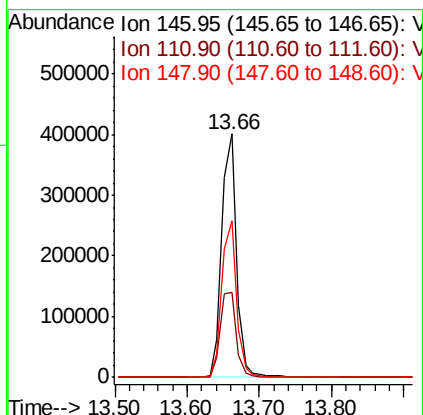
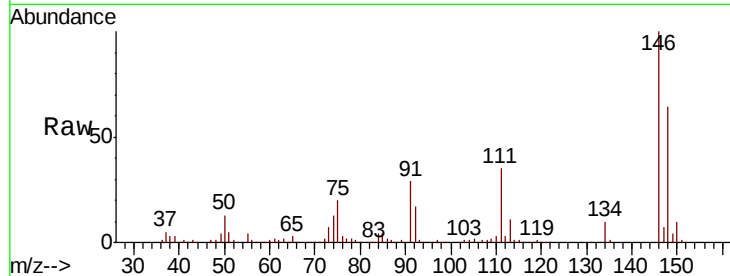




#91
 1,2-Dichlorobenzene
 Concen: 22.333 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

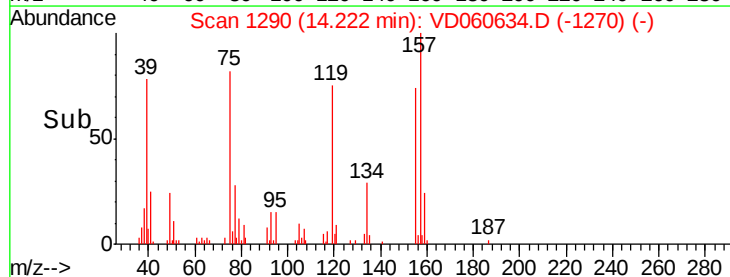
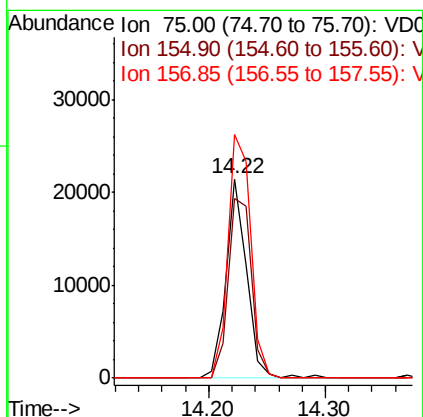
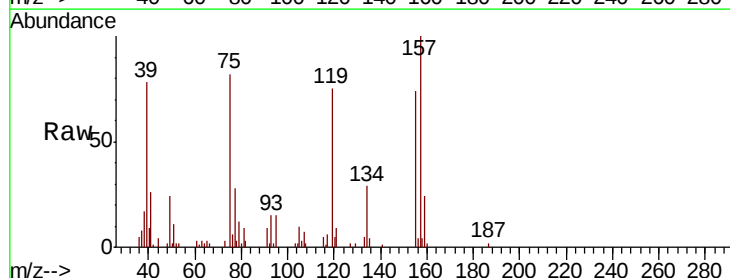
Instrument :
 MSVOA_D
 ClientSampleId :

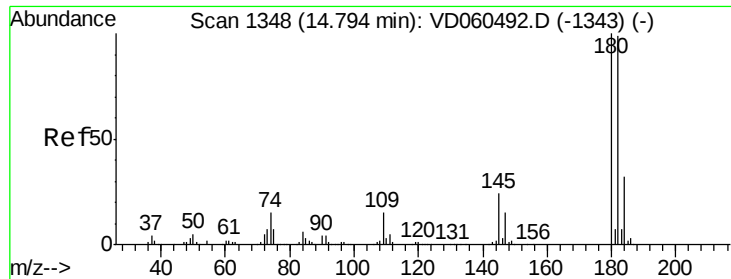
Tot Ion:146 Resp: 561574
 Ion Ratio Lower Upper
 146 100
 111 34.9 19.3 57.8
 148 64.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.929 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion: 75 Resp: 26247
 Ion Ratio Lower Upper
 75 100
 155 90.2 41.6 124.9
 157 122.4 53.6 160.8

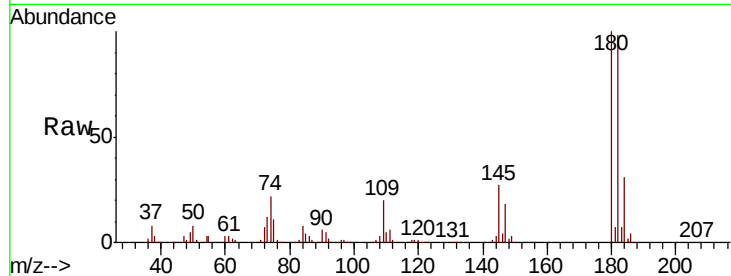




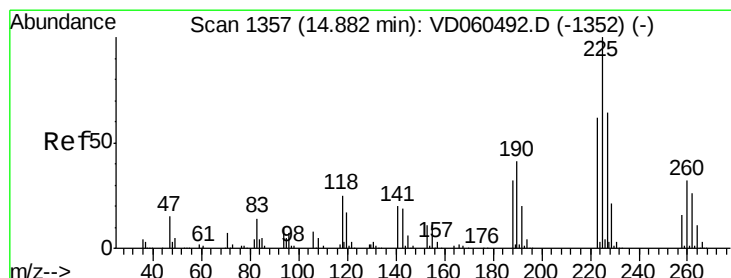
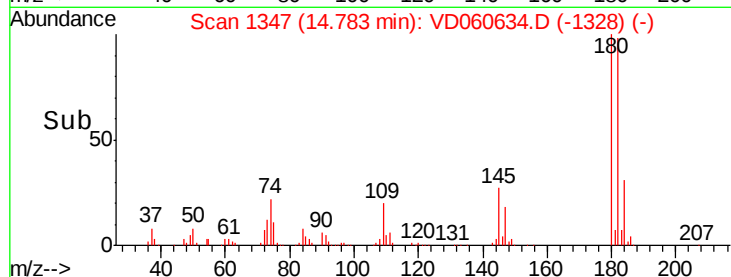
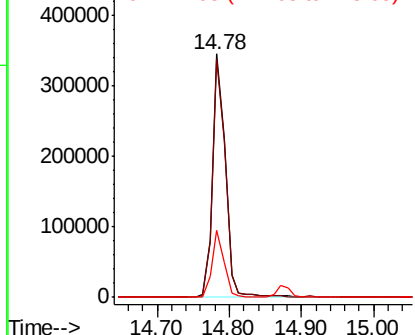
#93
 1,2,4-Trichlorobenzene
 Concen: 21.596 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 424503
 Ion Ratio Lower Upper
 180 100
 182 97.8 49.4 148.0
 145 27.3 11.9 35.9

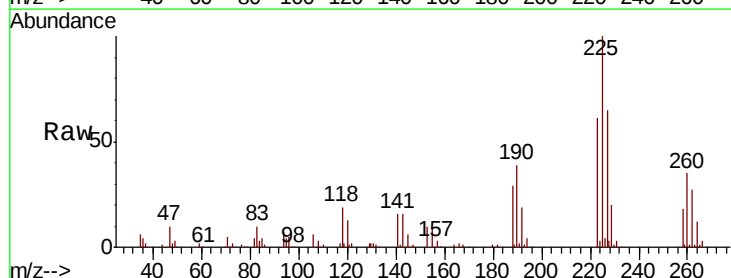


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

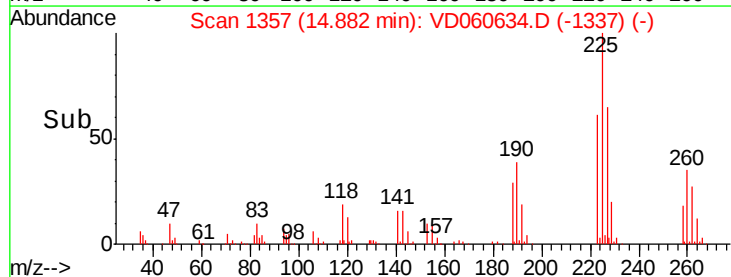
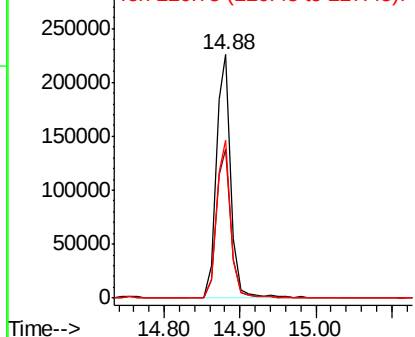


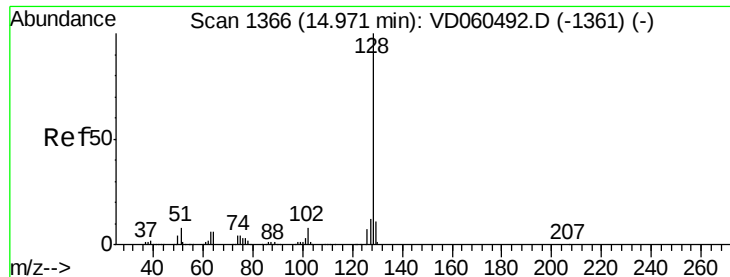
#94
 Hexachlorobutadiene
 Concen: 21.272 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion:225 Resp: 308512
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.2 93.6
 227 64.7 32.0 96.0



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

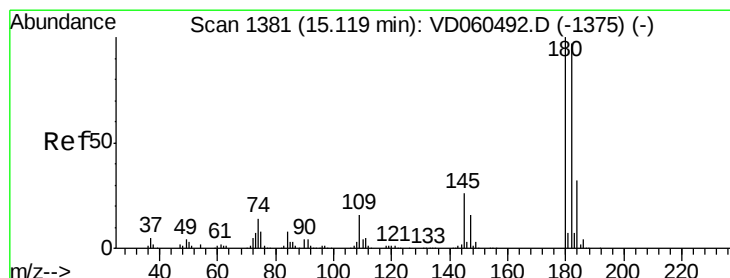
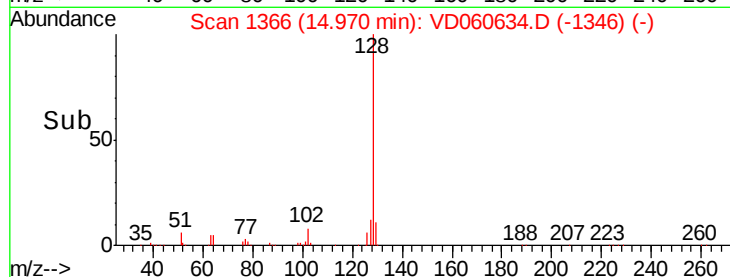
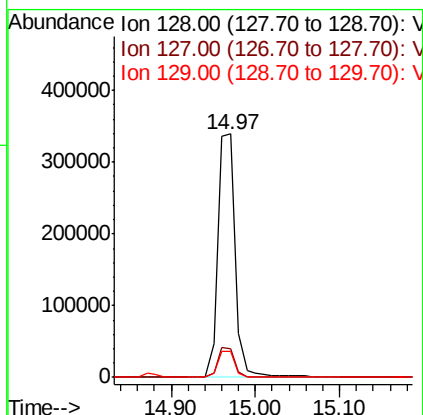
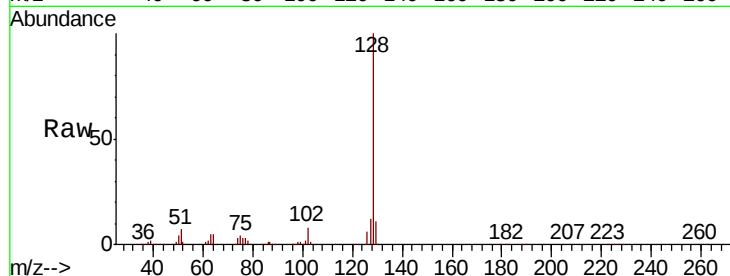




#95
Naphthalene
Concen: 20.696 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 483970
Ion Ratio Lower Upper
128 100
127 11.6 9.8 14.8
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.452 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion:180 Resp: 335994
Ion Ratio Lower Upper
180 100
182 94.0 48.5 145.5
145 29.2 12.9 38.7

