

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060567.D
 Acq On : 14 Dec 2018 12:00
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:18:59 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	6.39	168	1576248	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	2186529	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1751420	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	864853	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	569742	51.00	ug/l	-0.03
Spiked Amount 50.000			Recovery =	102.00%		
35) Dibromofluoromethane	6.31	113	843099	52.50	ug/l	-0.02
Spiked Amount 50.000			Recovery =	105.00%		
50) Toluene-d8	9.43	98	2417715	52.02	ug/l	-0.03
Spiked Amount 50.000			Recovery =	104.04%		
62) 4-Bromofluorobenzene	12.42	95	878431	52.82	ug/l	-0.02
Spiked Amount 50.000			Recovery =	105.64%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	729028	48.429	ug/l	99
3) Chloromethane	1.77	50	735355	45.406	ug/l	97
4) Vinyl Chloride	1.87	62	622950	48.196	ug/l	100
5) Bromomethane	2.16	94	162312	50.197	ug/l	94
6) Chloroethane	2.27	64	207028	49.325	ug/l	98
7) Trichlorofluoromethane	2.52	101	733004	49.115	ug/l	99
8) Diethyl Ether	2.83	74	135639	52.618	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.10	101	491987	50.807	ug/l	98
10) Methyl Iodide	3.24	142	578113	51.074	ug/l	99
11) Tert butyl alcohol	3.96	59	114465	252.180	ug/l	96
12) 1,1-Dichloroethene	3.08	96	396980	50.387	ug/l	94
13) Acrolein	2.98	56	146695	295.774	ug/l	88
14) Allyl chloride	3.53	41	768444	51.408	ug/l	99
15) Acrylonitrile	4.08	53	665979	258.403	ug/l	98
16) Acetone	3.16	43	470979	262.993	ug/l	99
17) Carbon Disulfide	3.31	76	1266477	49.488	ug/l	100
18) Methyl Acetate	3.55	43	196319	46.125	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	1145542	52.431	ug/l	100
20) Methylene Chloride	3.72	84	827051	50.326	ug/l	97
21) trans-1,2-Dichloroethene	4.09	96	867910	50.643	ug/l	97
22) Diisopropyl ether	4.85	45	2765469	51.528	ug/l	99
23) Vinyl Acetate	4.80	43	7025394	264.204	ug/l	99
24) 1,1-Dichloroethane	4.75	63	1467898	52.648	ug/l	100
25) 2-Butanone	5.61	43	964248	273.676	ug/l	100
26) 2,2-Dichloropropane	5.58	77	1132913	52.599	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	908947	52.163	ug/l	97
28) Bromochloromethane	5.91	49	616498	49.914	ug/l	99
29) Tetrahydrofuran	5.94	42	515499	258.373	ug/l	100
30) Chloroform	6.09	83	1460249	51.986	ug/l	98
31) Cyclohexane	6.35	56	1310777	55.391	ug/l	97
32) 1,1,1-Trichloroethane	6.28	97	1204323	52.153	ug/l	98
36) 1,1-Dichloropropene	6.51	75	1115552	52.195	ug/l	99
37) Ethyl Acetate	5.68	43	477430	51.508	ug/l	99
38) Carbon Tetrachloride	6.48	117	1007177	52.491	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060567.D
 Acq On : 14 Dec 2018 12:00
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:18:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1245439	51.116	ug/l	100
40) Benzene	6.78	78	2911346	53.299	ug/l	99
41) Methacrylonitrile	5.93	41	555878	111.250	ug/l #	69
42) 1,2-Dichloroethane	6.88	62	729702	52.541	ug/l	98
43) Isopropyl Acetate	8.33	43	611417	53.436	ug/l	95
44) Trichloroethene	7.72	130	865886	53.044	ug/l	98
45) 1,2-Dichloropropane	8.09	63	715602	52.970	ug/l	99
46) Dibromomethane	8.19	93	417501	53.489	ug/l	94
47) Bromodichloromethane	8.47	83	1004994	54.265	ug/l	99
48) Methyl methacrylate	8.22	41	369279	54.545	ug/l	98
49) 1,4-Dioxane	8.21	88	69462	1132.036	ug/l #	84
51) 4-Methyl-2-Pentanone	9.33	43	1970468	276.850	ug/l	100
52) Toluene	9.53	92	1788142	52.376	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	842810	55.383	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	1106618	55.347	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	496155	52.186	ug/l	98
56) Ethyl methacrylate	10.01	69	465459	54.095	ug/l	98
57) 1,3-Dichloropropane	10.37	76	787092	53.554	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	1338365	259.955	ug/l	96
59) 2-Hexanone	10.47	43	1421060	285.645	ug/l	97
60) Dibromochloromethane	10.63	129	661001	55.607	ug/l	100
61) 1,2-Dibromoethane	10.74	107	528808	54.578	ug/l	99
64) Tetrachloroethene	10.23	164	805593	51.945	ug/l	98
65) Chlorobenzene	11.30	112	1931199	52.121	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	650059	54.432	ug/l	98
67) Ethyl Benzene	11.41	91	3285721	51.989	ug/l	98
68) m/p-Xylenes	11.55	106	2429692	103.916	ug/l	100
69) o-Xylene	11.92	106	1166139	52.334	ug/l	98
70) Styrene	11.94	104	1916651	53.589	ug/l	100
71) Bromoform	12.10	173	431677	54.179	ug/l	98
73) Isopropylbenzene	12.27	105	3278804	53.575	ug/l	98
74) N-amyl acetate	12.12	43	806348	54.516	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.55	83	526494	53.737	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	534646	54.560	ug/l	99
77) Bromobenzene	12.52	156	870160	54.092	ug/l	94
78) n-propylbenzene	12.62	91	4011427	51.852	ug/l	98
79) 2-Chlorotoluene	12.69	91	2211572	52.682	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	2461825	52.643	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	155643	56.948	ug/l	97
82) 4-Chlorotoluene	12.80	91	2467244	52.328	ug/l	96
83) tert-Butylbenzene	13.04	119	2810003	53.592	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	2519117	52.025	ug/l	98
85) sec-Butylbenzene	13.21	105	3357623	51.378	ug/l	97
86) p-Isopropyltoluene	13.33	119	2605184	50.288	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	1507003	51.740	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	1506920	52.738	ug/l	97
89) n-Butylbenzene	13.64	91	2816763	56.319	ug/l	99
90) Hexachloroethane	13.84	117	710611	54.709	ug/l	83
91) 1,2-Dichlorobenzene	13.65	146	1234849	51.878	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	64540	54.365	ug/l	73

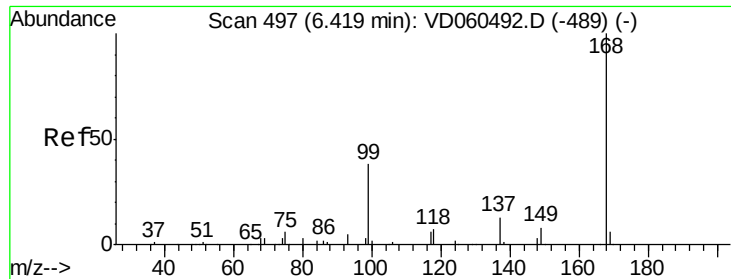
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121418\
Data File : VD060567.D
Acq On : 14 Dec 2018 12:00
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 14 22:18:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	998234	53.647	ug/l	97
94) Hexachlorobutadiene	14.87	225	742838	54.108	ug/l	99
95) Naphthalene	14.96	128	1215414	54.906	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	809736	54.614	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

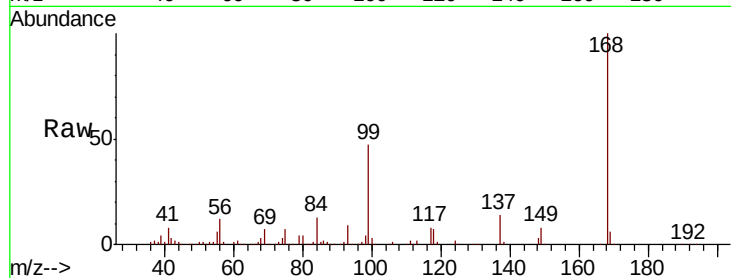
ClientSampleId :

Tot Ion:168 Resp: 1576248

Ion Ratio Lower Upper

168 100

99 46.7 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

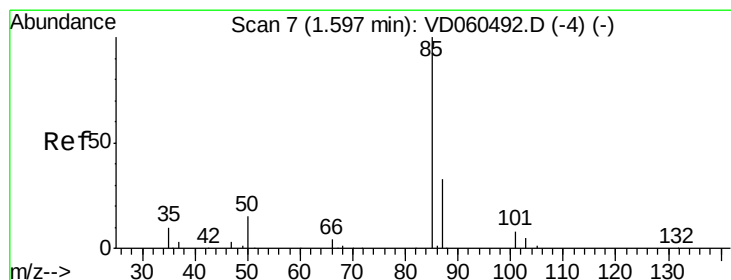
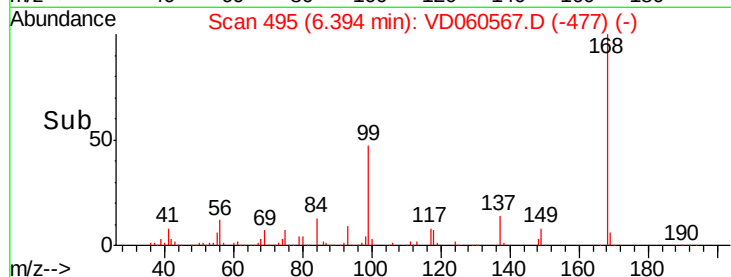
6.39

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.429 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060567.D

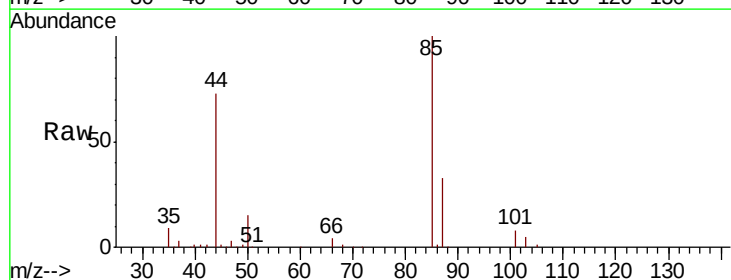
Acq: 14 Dec 2018 12:00

Tgt Ion: 85 Resp: 729028

Ion Ratio Lower Upper

85 100

87 32.6 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

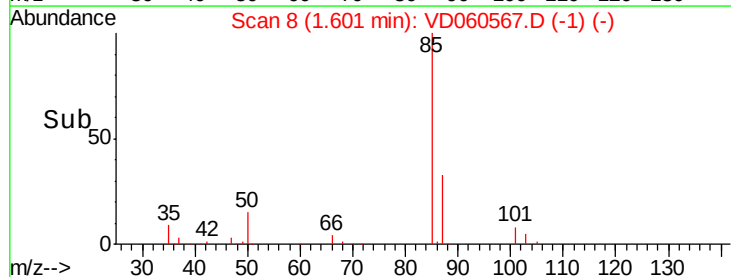
300000

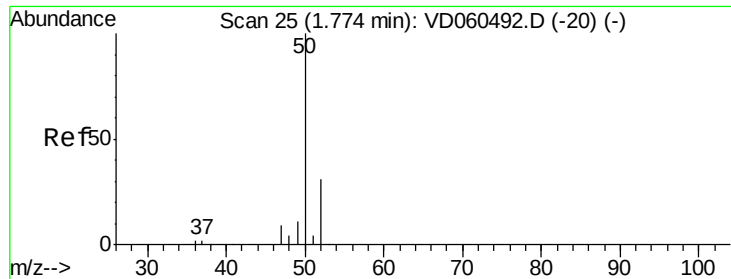
200000

100000

0

Time-->





#3

Chloromethane

Concen: 45.406 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.01 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

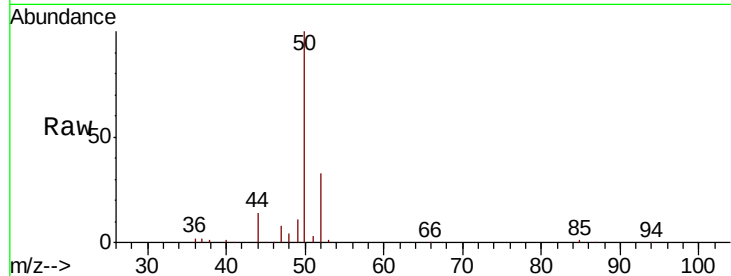
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 735355

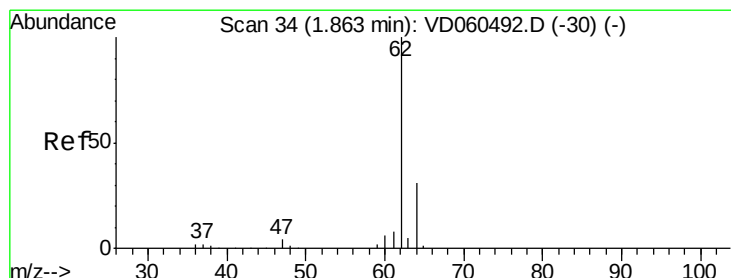
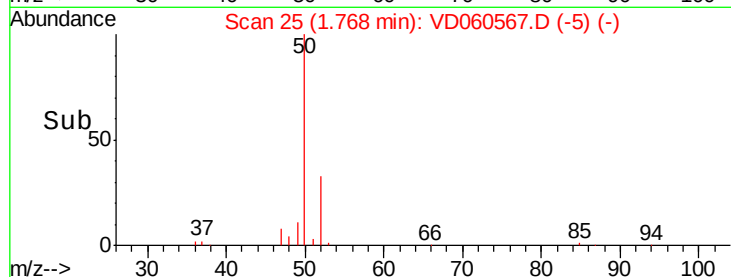
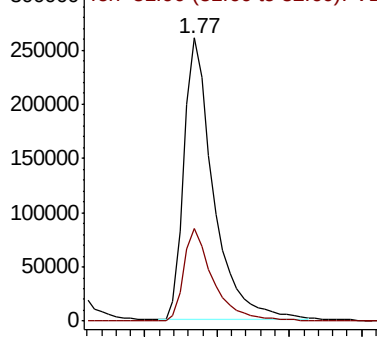
Ion Ratio Lower Upper

50 100

52 32.7 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.196 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060567.D

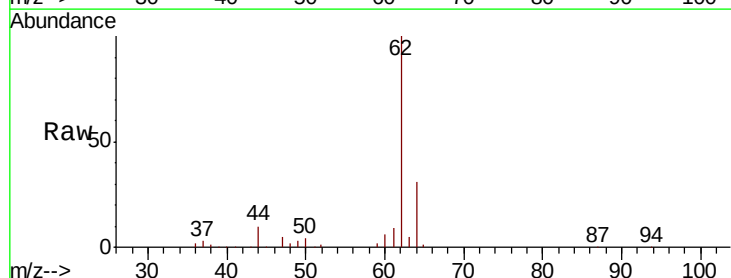
Acq: 14 Dec 2018 12:00

Tgt Ion: 62 Resp: 622950

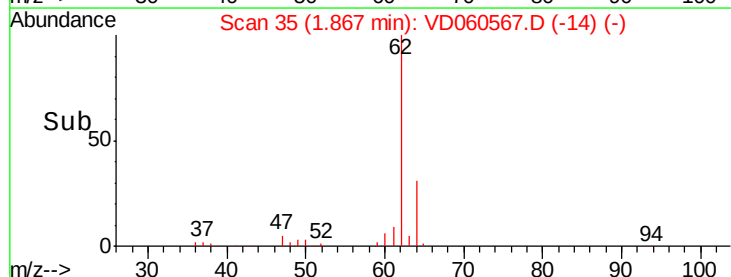
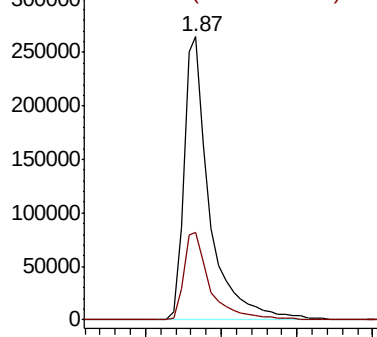
Ion Ratio Lower Upper

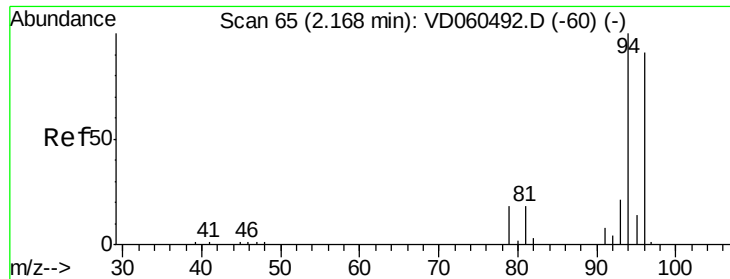
62 100

64 30.9 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.197 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

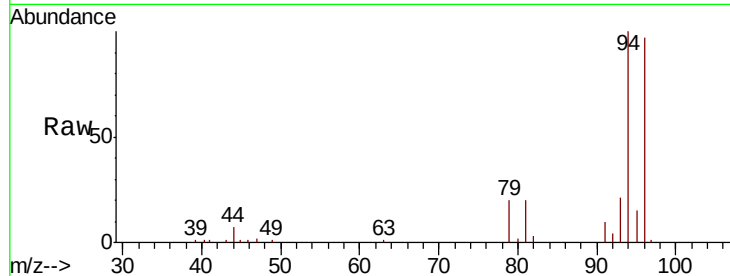
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 162312

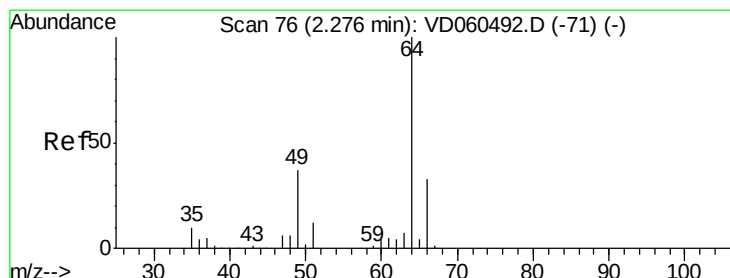
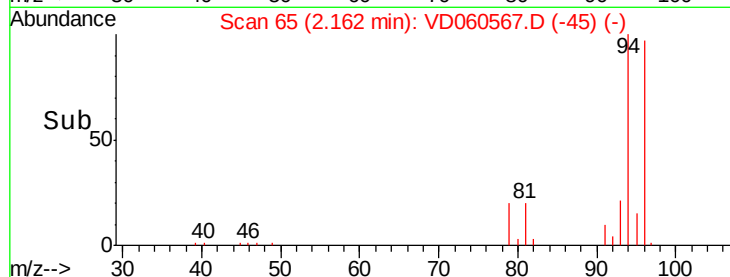
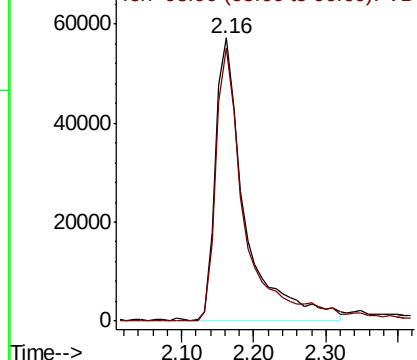
Ion Ratio Lower Upper

94 100

96 96.7 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: 49.325 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD060567.D

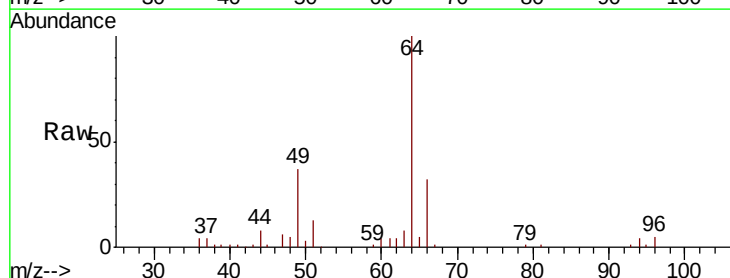
Acq: 14 Dec 2018 12:00

Tgt Ion: 64 Resp: 207028

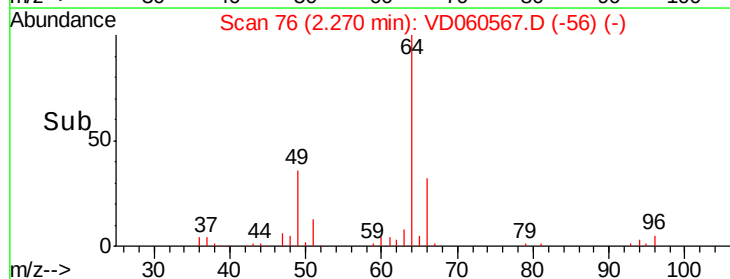
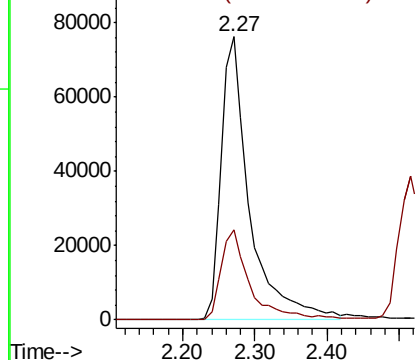
Ion Ratio Lower Upper

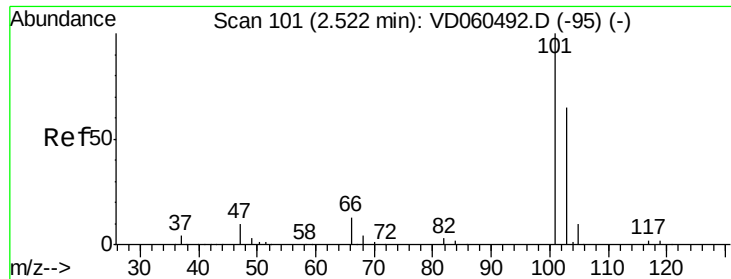
64 100

66 32.0 26.4 39.6



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



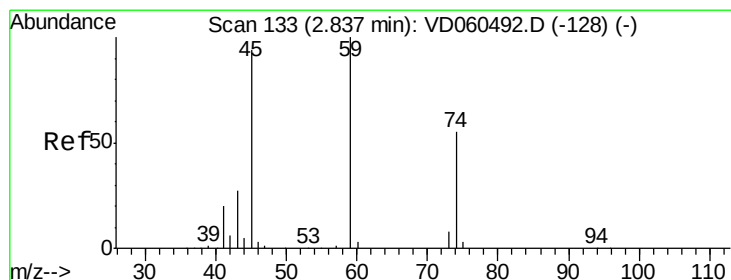
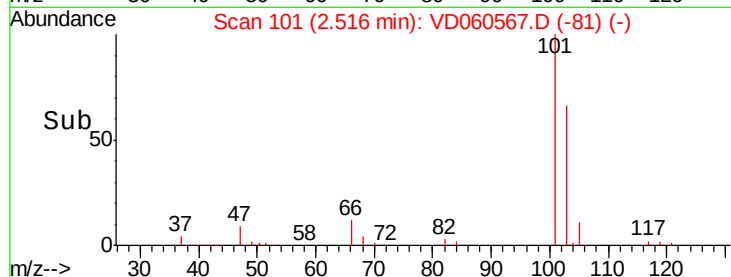
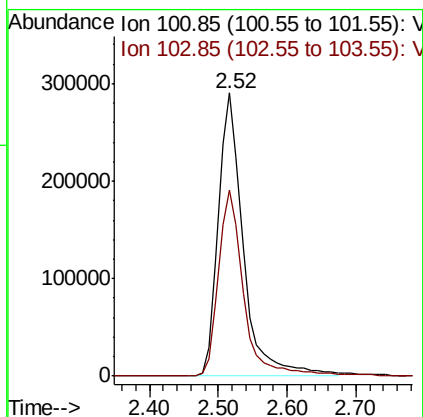
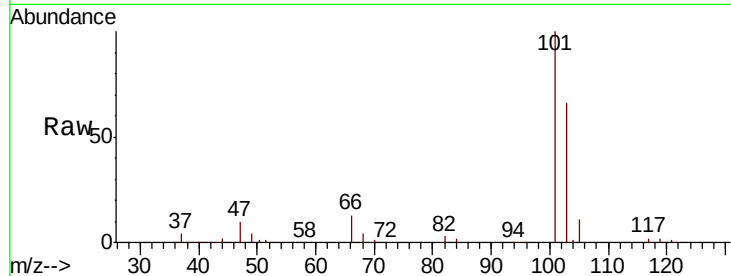


#7

Trichlorofluoromethane
Concen: 49.115 ug/l
RT: 2.52 min Scan# 101
Delta R.T. -0.01 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :

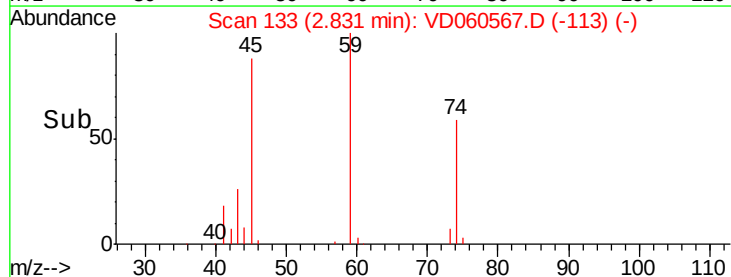
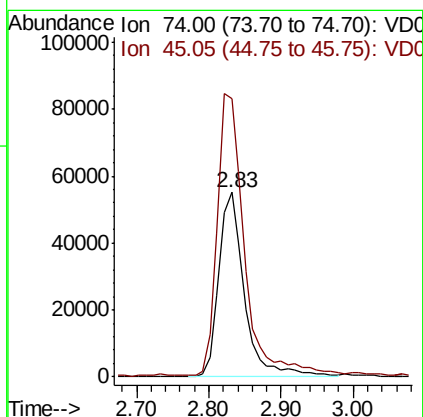
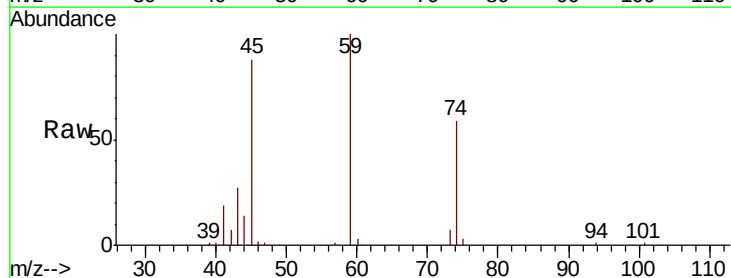
Tot Ion:101 Resp: 733004
Ion Ratio Lower Upper
101 100
103 65.6 51.8 77.8

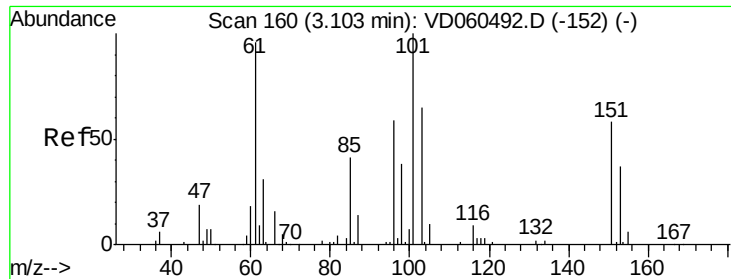


#8

Diethyl Ether
Concen: 52.618 ug/l
RT: 2.83 min Scan# 133
Delta R.T. -0.01 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Tgt Ion: 74 Resp: 135639
Ion Ratio Lower Upper
74 100
45 150.6 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.807 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

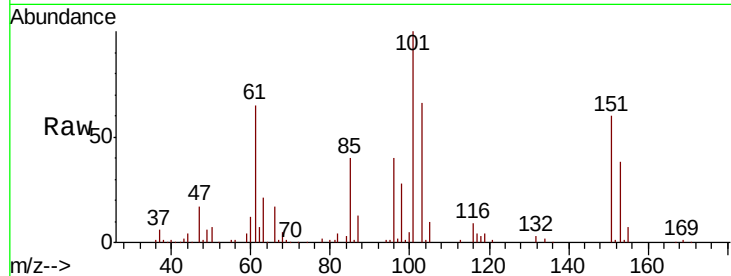
Tot Ion:101 Resp: 491987

Ion Ratio Lower Upper

101 100

85 40.2 32.7 49.1

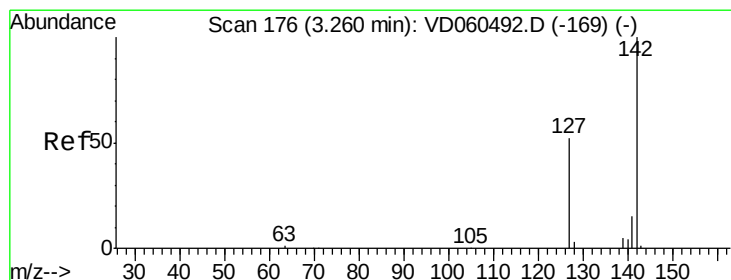
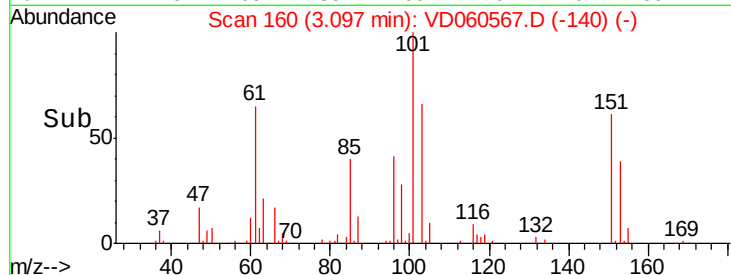
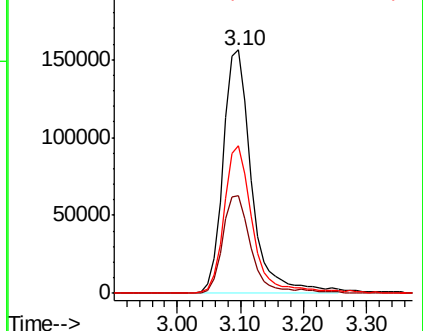
151 60.5 46.6 69.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 51.074 ug/l

RT: 3.24 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

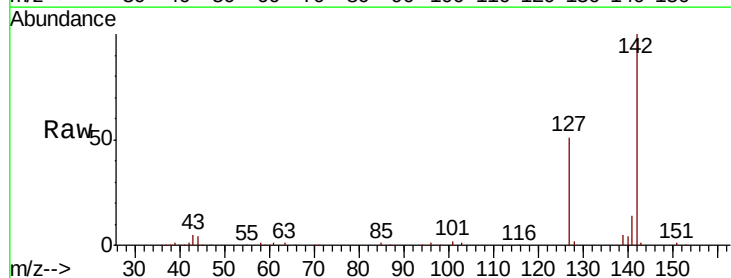
Tgt Ion:142 Resp: 578113

Ion Ratio Lower Upper

142 100

127 50.9 41.2 61.8

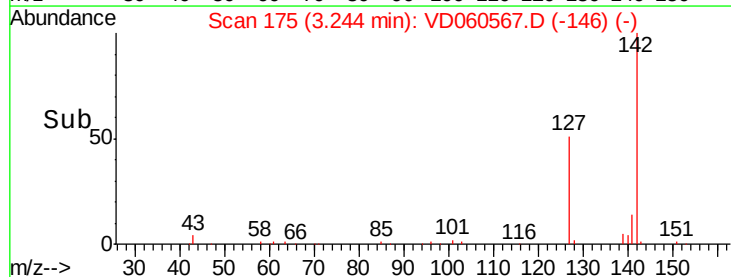
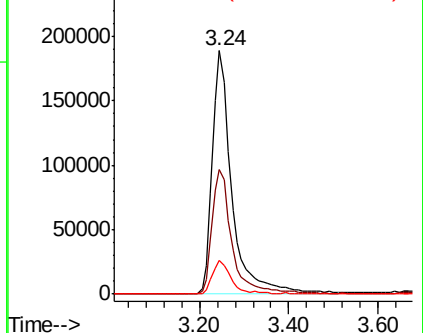
141 14.1 11.9 17.9

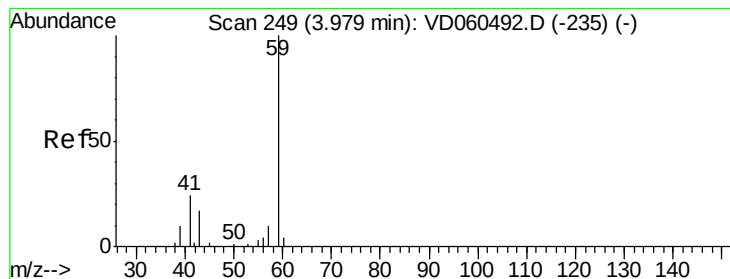


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



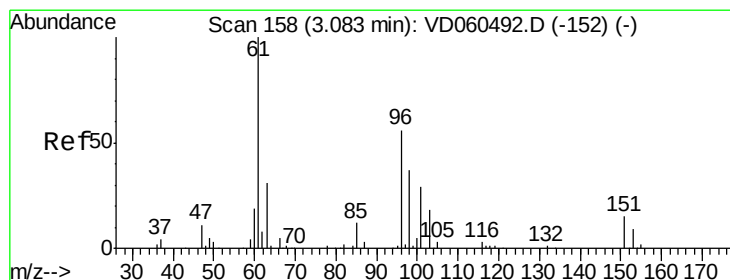
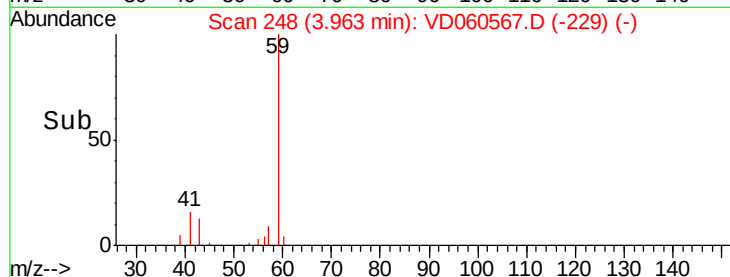
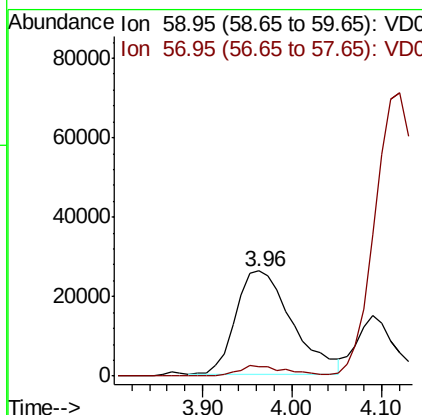
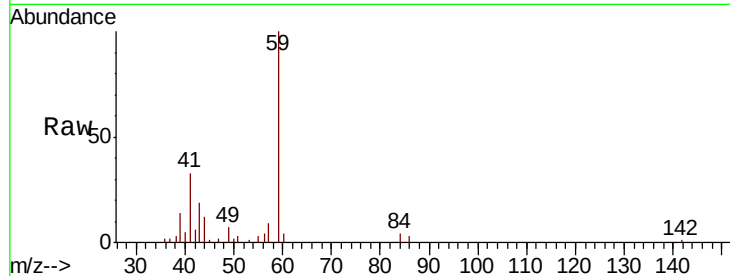


#11

Tert butyl alcohol
Concen: 252.180 ug/l
RT: 3.96 min Scan# 248
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampled :

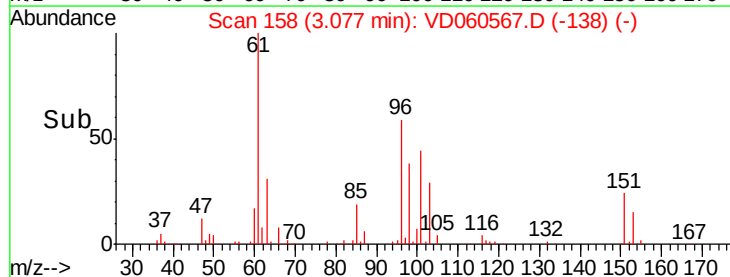
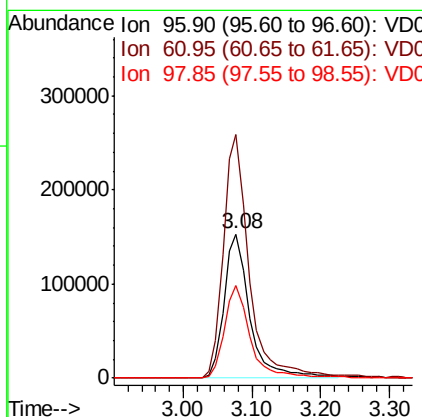
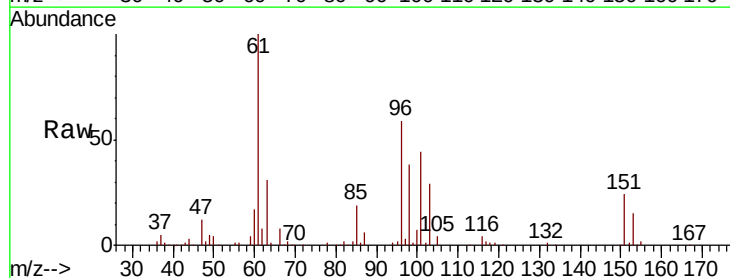
Tot Ion: 59 Resp: 114465
Ion Ratio Lower Upper
59 100
57 8.6 8.1 12.1

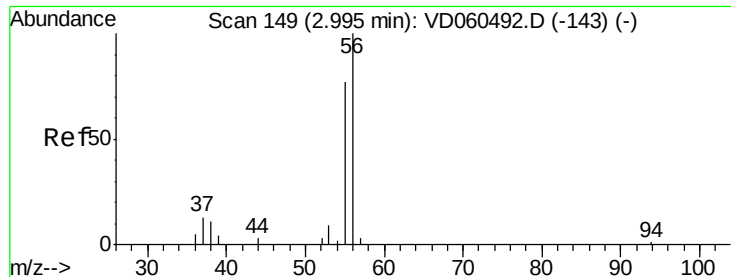


#12

1,1-Dichloroethene
Concen: 50.387 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.01 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Tgt Ion: 96 Resp: 396980
Ion Ratio Lower Upper
96 100
61 169.0 143.0 214.4
98 64.2 53.4 80.0





#13

Acrolein

Concen: 295.774 ug/l

RT: 2.98 min Scan# 148

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

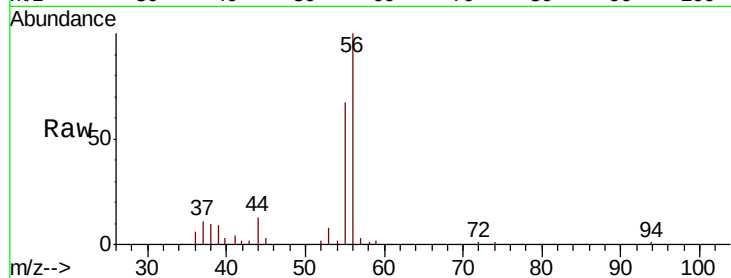
ClientSampled :

Tot Ion: 56 Resp: 146695

Ion Ratio Lower Upper

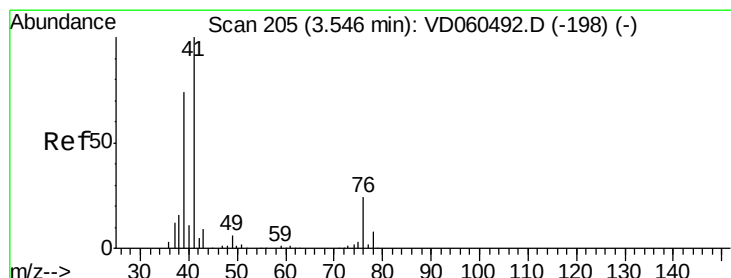
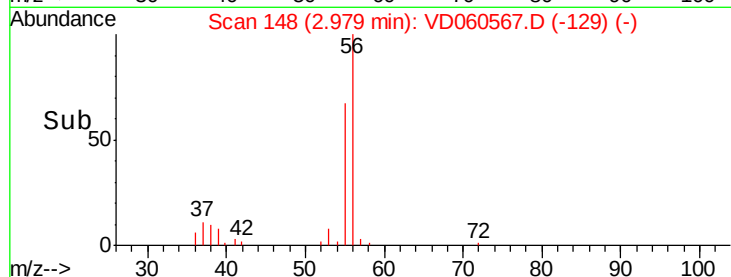
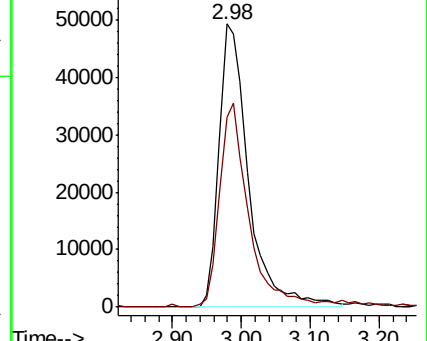
56 100

55 67.1 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.408 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

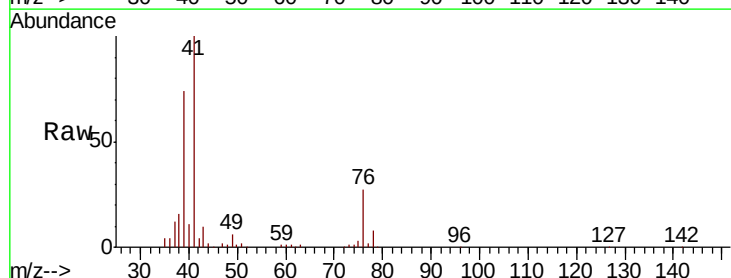
Tgt Ion: 41 Resp: 768444

Ion Ratio Lower Upper

41 100

39 74.4 59.3 88.9

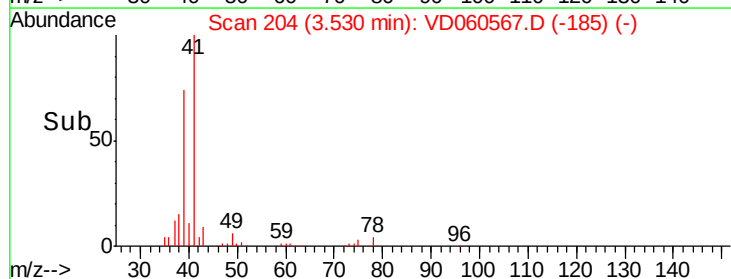
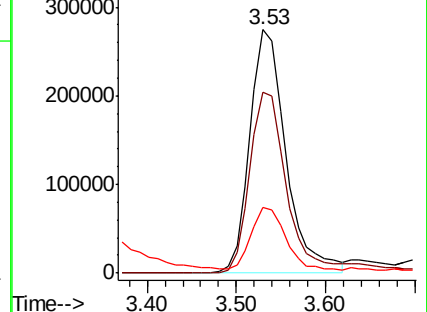
76 27.0 21.0 31.6

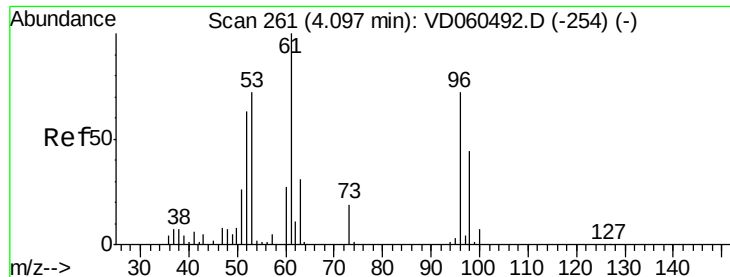


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 258.403 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :

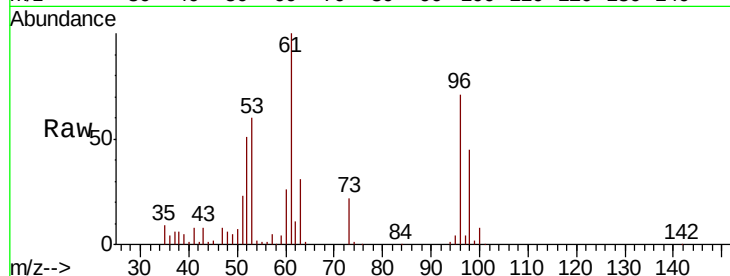
Tot Ion: 53 Resp: 665979

Ion Ratio Lower Upper

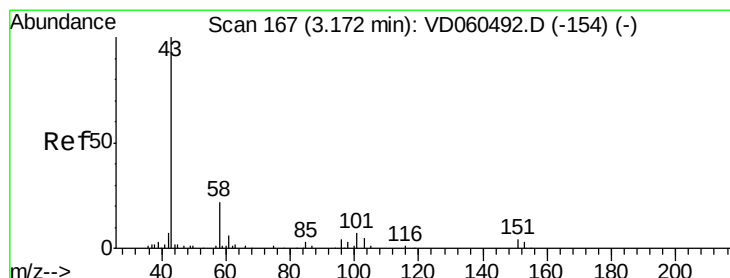
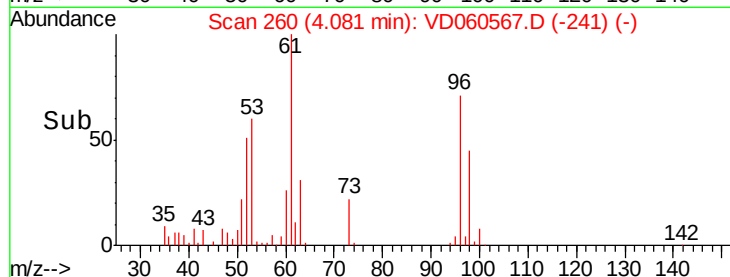
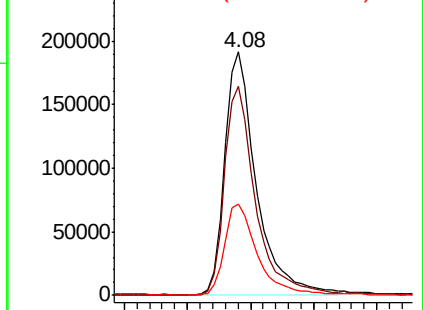
53 100

52 85.9 70.0 105.0

51 37.7 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 262.993 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD060567.D

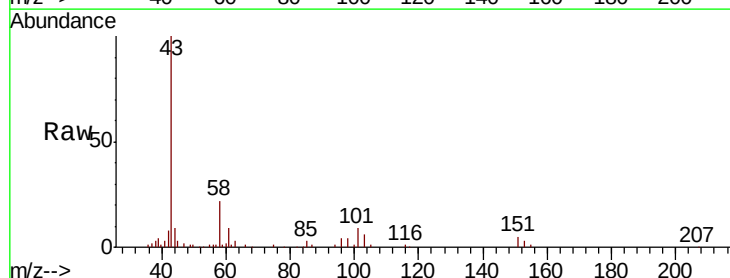
Acq: 14 Dec 2018 12:00

Tgt Ion: 43 Resp: 470979

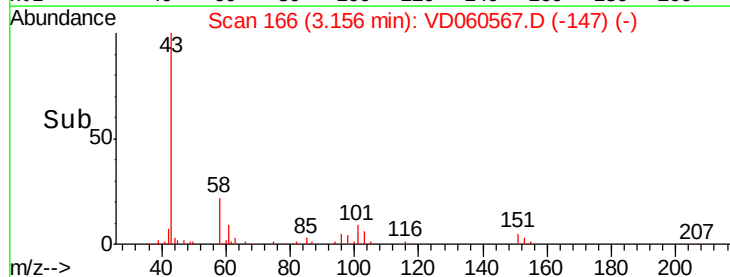
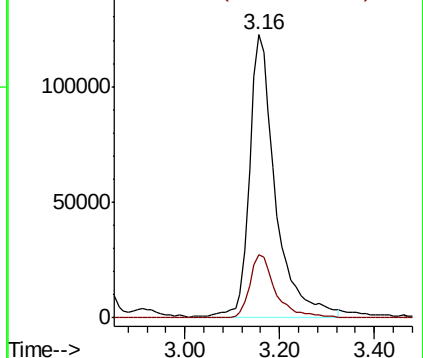
Ion Ratio Lower Upper

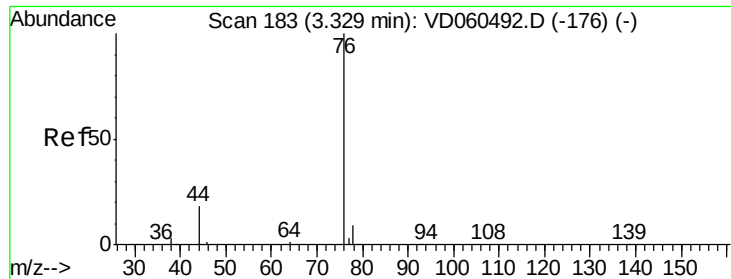
43 100

58 22.2 17.3 25.9



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





#17

Carbon Disulfide

Concen: 49.488 ug/l

RT: 3.31 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

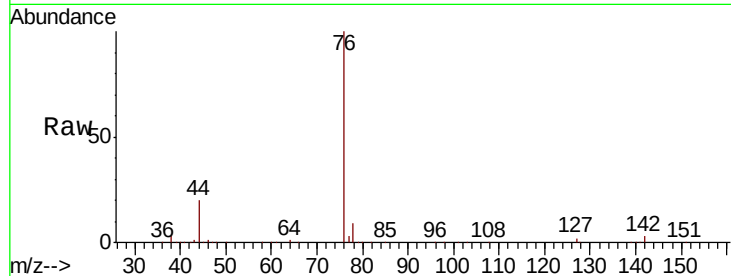
ClientSampleId :

Tot Ion: 76 Resp: 1266477

Ion Ratio Lower Upper

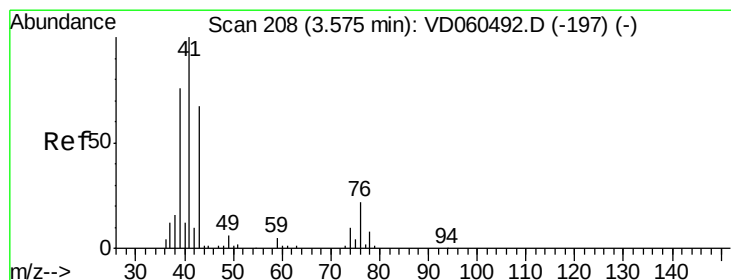
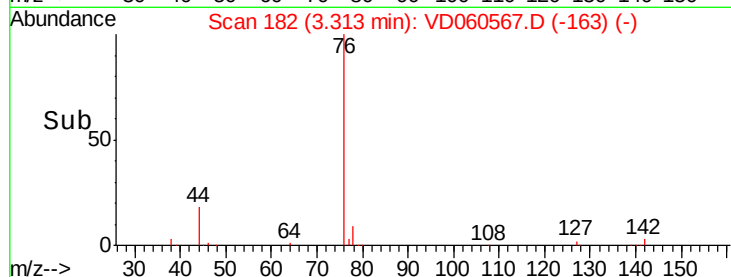
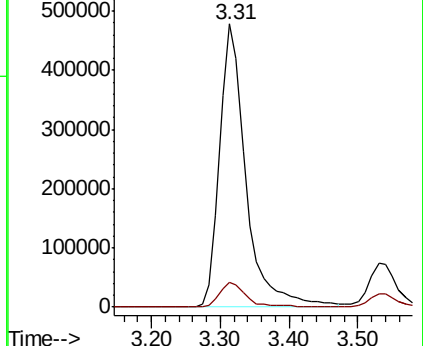
76 100

78 8.9 7.0 10.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 46.125 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.03 min

Lab File: VD060567.D

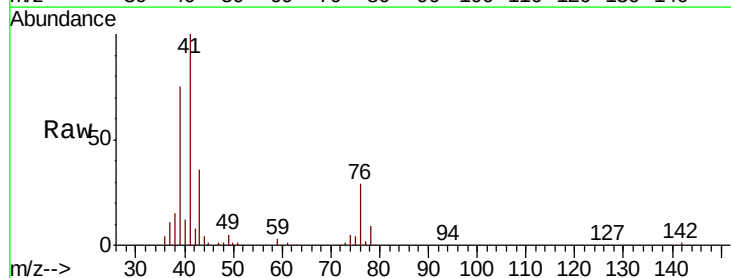
Acq: 14 Dec 2018 12:00

Tgt Ion: 43 Resp: 196319

Ion Ratio Lower Upper

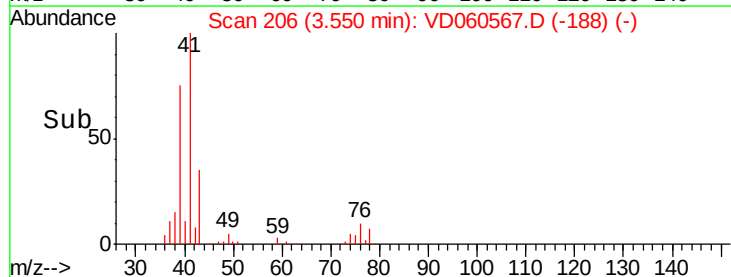
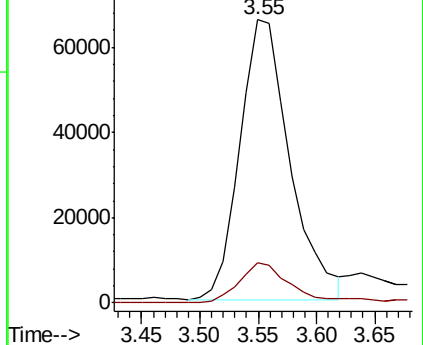
43 100

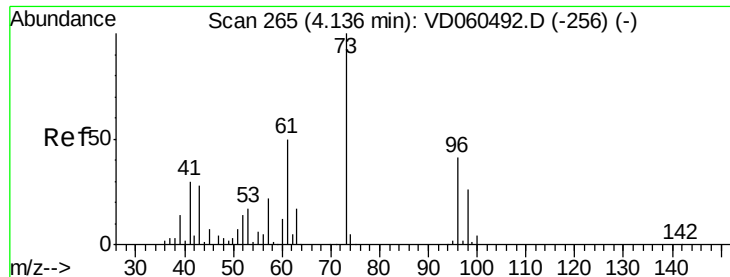
74 14.3 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



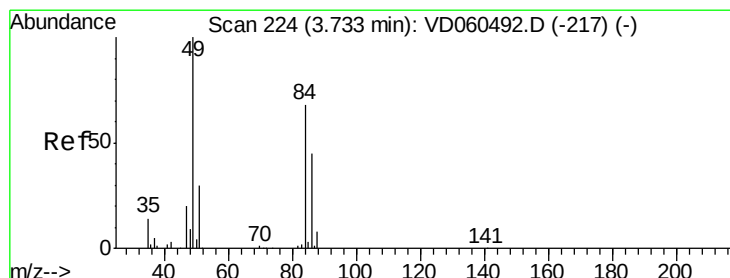
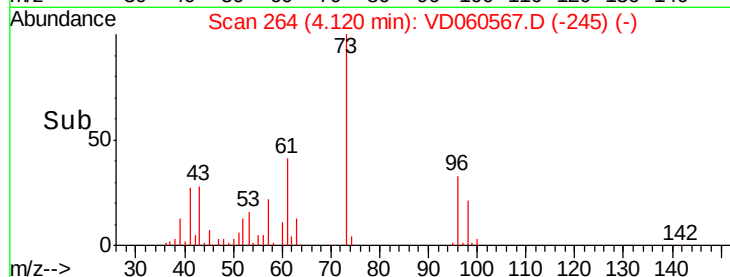
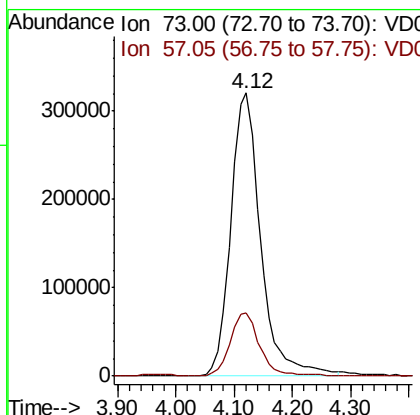
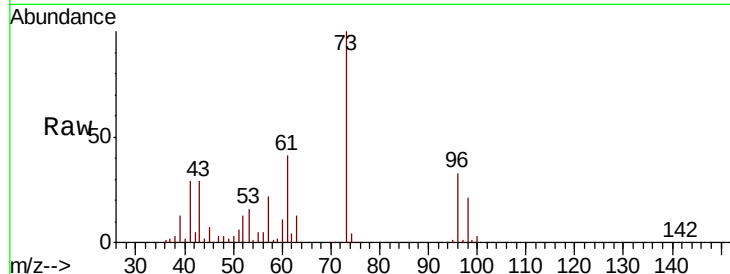


#19

Methyl tert-butyl Ether
 Concen: 52.431 ug/l
 RT: 4.12 min Scan# 264
 Delta R.T. -0.02 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

Instrument :
 MSVOA_D
 ClientSampleId :

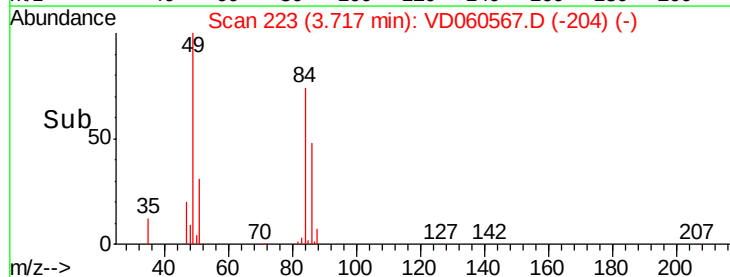
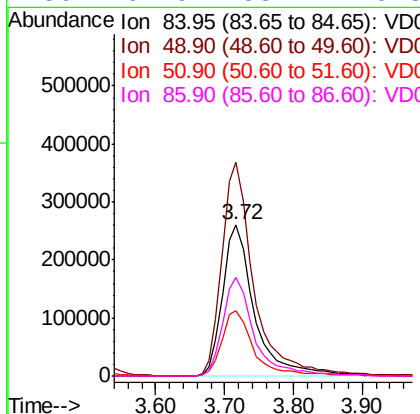
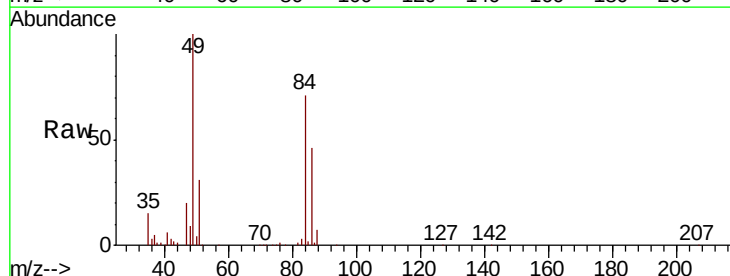
Tot Ion: 73 Resp: 1145542
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.8 26.6

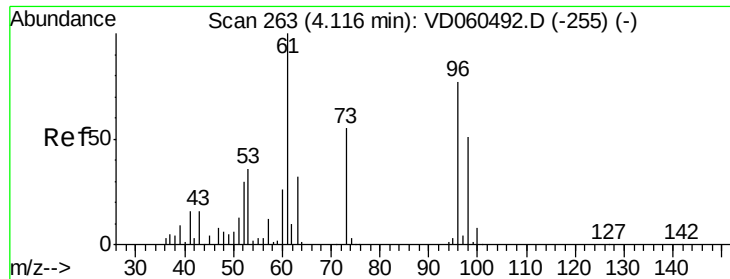


#20

Methylene Chloride
 Concen: 50.326 ug/l
 RT: 3.72 min Scan# 223
 Delta R.T. -0.02 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

Tgt Ion: 84 Resp: 827051
 Ion Ratio Lower Upper
 84 100
 49 141.2 117.2 175.8
 51 43.6 35.3 52.9
 86 64.9 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 50.643 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampled :

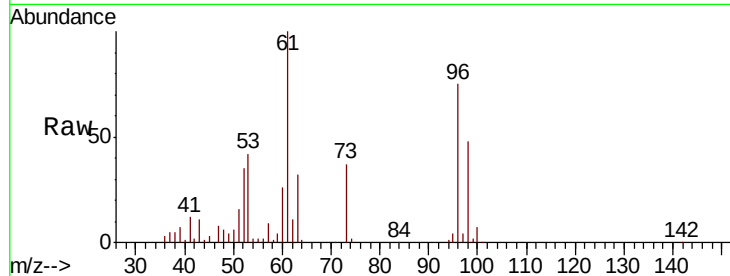
Tot Ion: 96 Resp: 867910

Ion Ratio Lower Upper

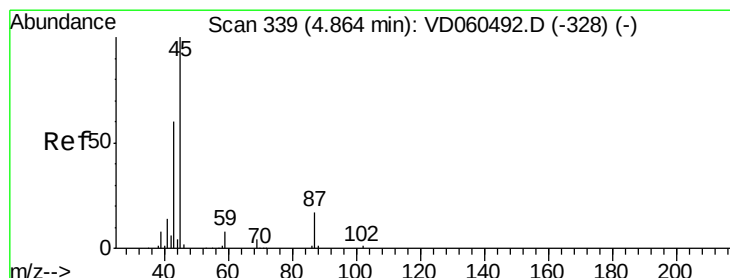
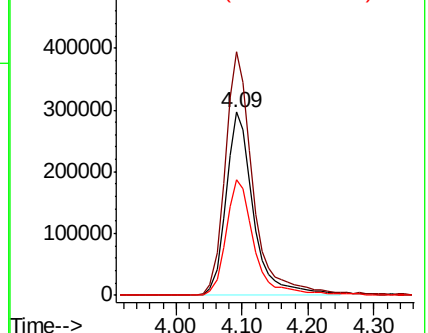
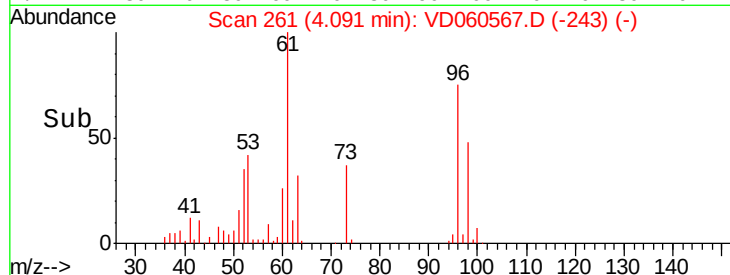
96 100

61 132.9 104.2 156.4

98 63.4 52.8 79.2



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



#22

Diisopropyl ether

Concen: 51.528 ug/l

RT: 4.85 min Scan# 338

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Tgt Ion: 45 Resp: 2765469

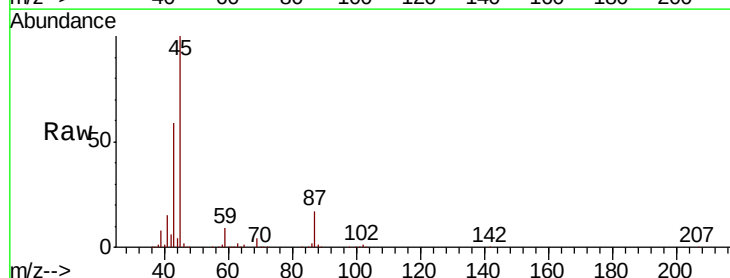
Ion Ratio Lower Upper

45 100

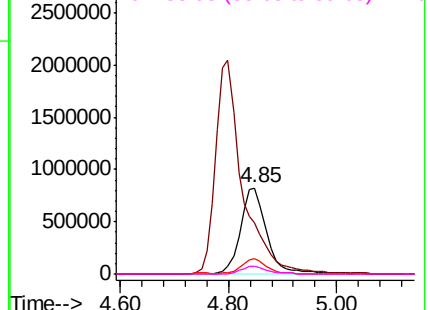
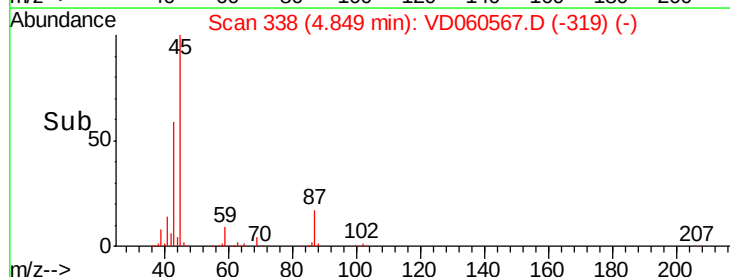
43 59.5 48.6 73.0

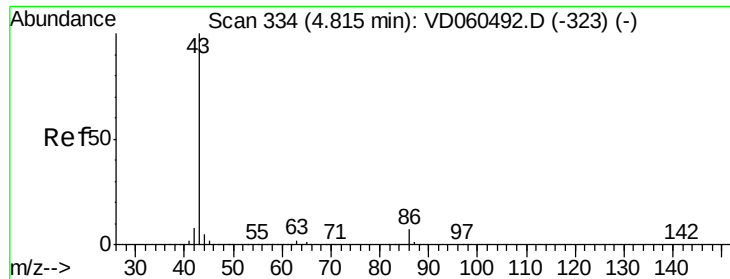
87 17.4 14.0 21.0

59 9.1 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: 264.204 ug/l

RT: 4.80 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

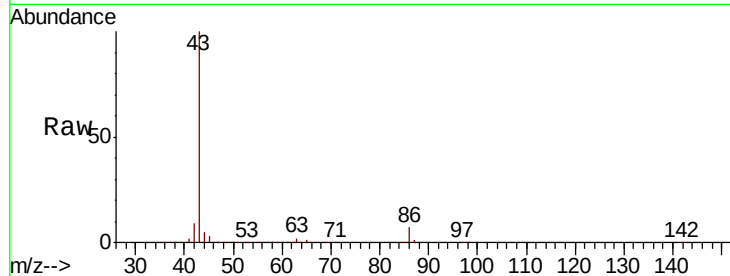
ClientSampleId :

Tot Ion: 43 Resp: 7025394

Ion Ratio Lower Upper

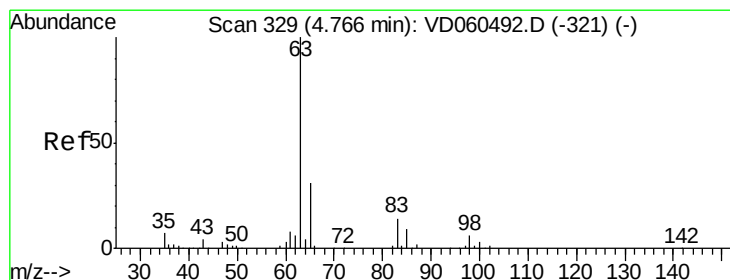
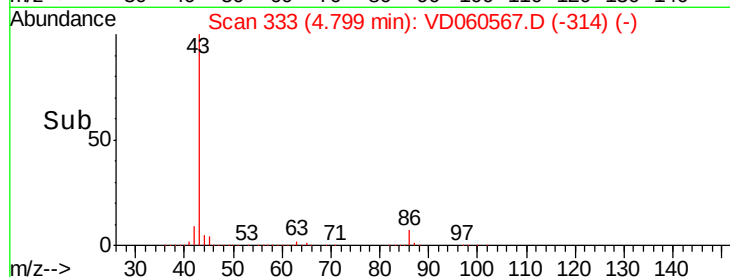
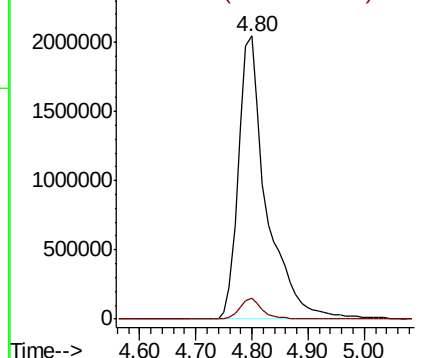
43 100

86 7.2 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: 52.648 ug/l

RT: 4.75 min Scan# 328

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

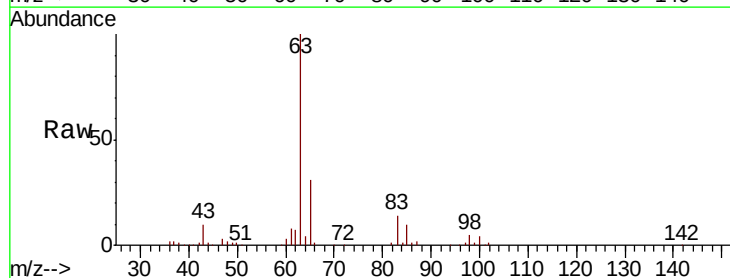
Tgt Ion: 63 Resp: 1467898

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

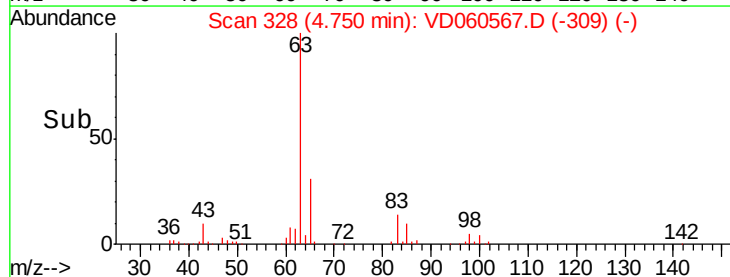
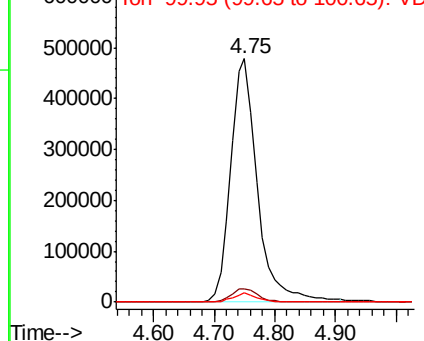
100 3.7 1.7 5.1

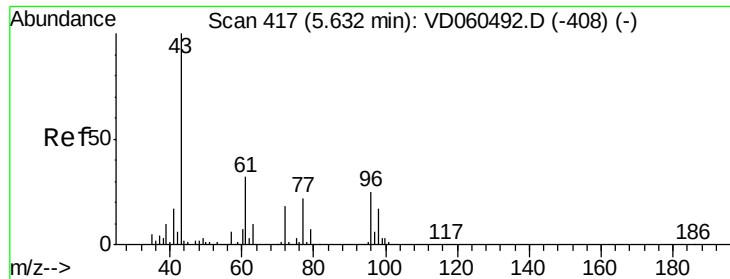


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 273.676 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

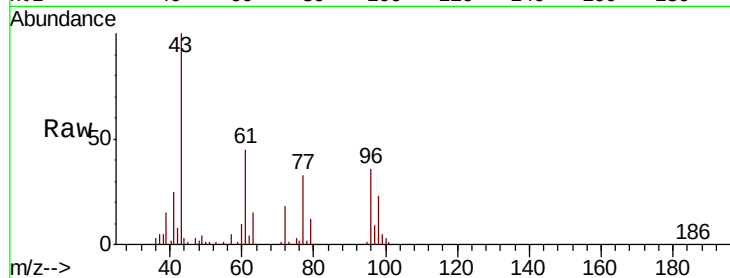
ClientSampled :

Tot Ion: 43 Resp: 964248

Ion Ratio Lower Upper

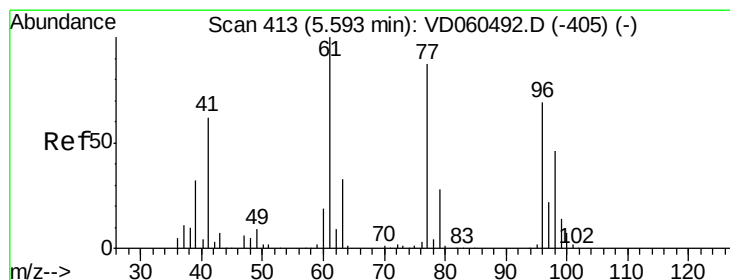
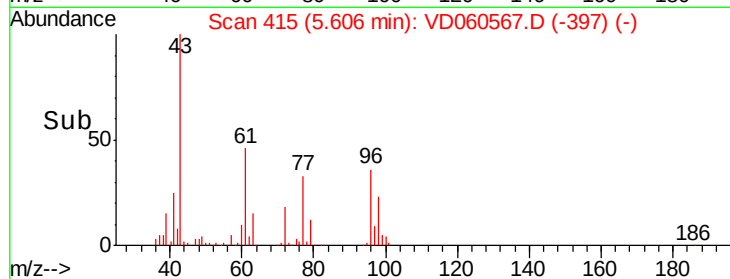
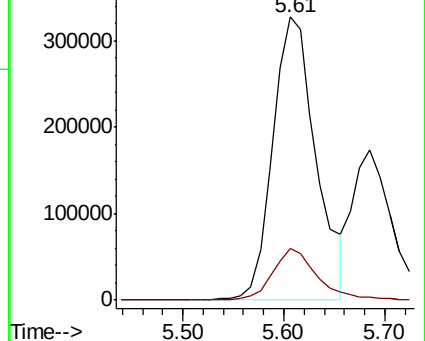
43 100

72 18.1 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.599 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.02 min

Lab File: VD060567.D

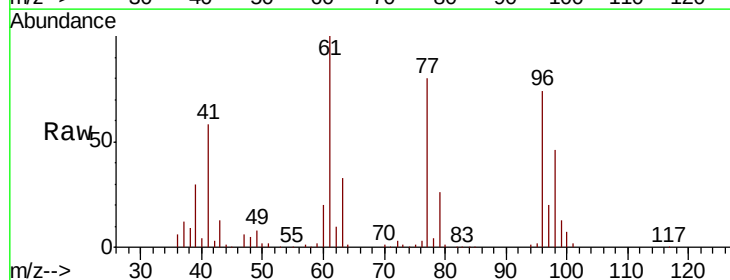
Acq: 14 Dec 2018 12:00

Tgt Ion: 77 Resp: 1132913

Ion Ratio Lower Upper

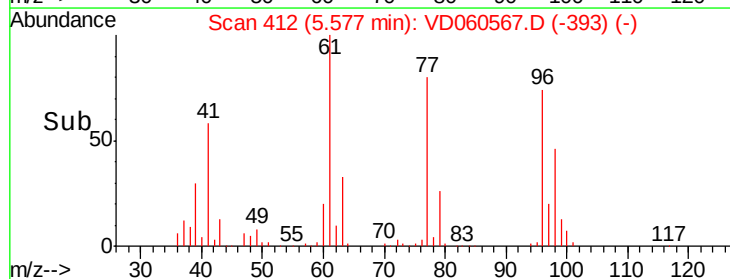
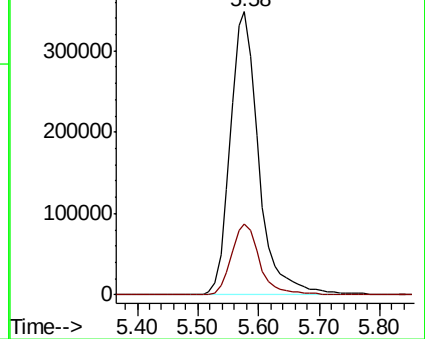
77 100

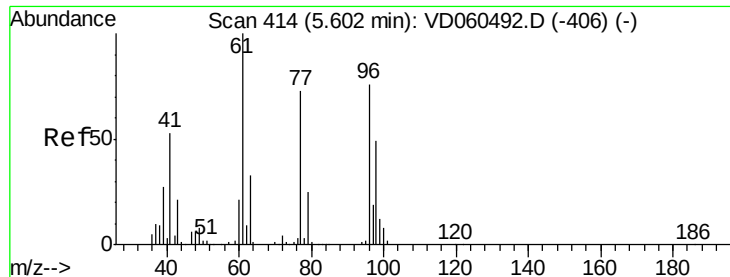
97 24.8 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 52.163 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampled :

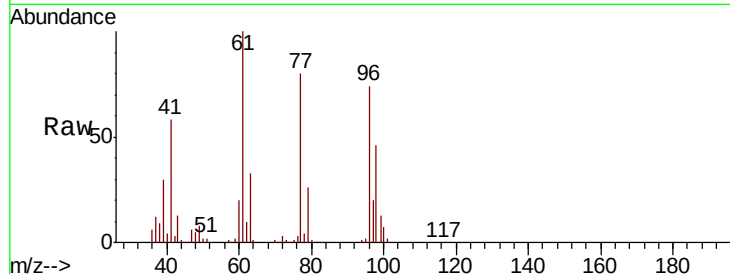
Tot Ion: 96 Resp: 908947

Ion Ratio Lower Upper

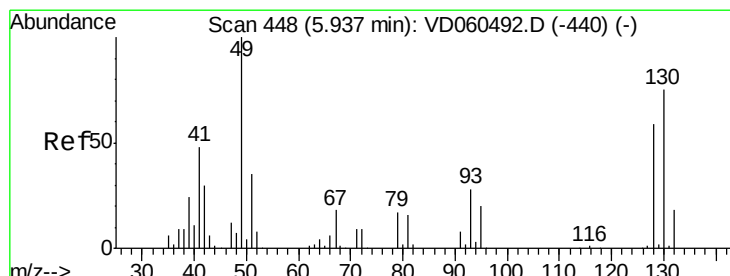
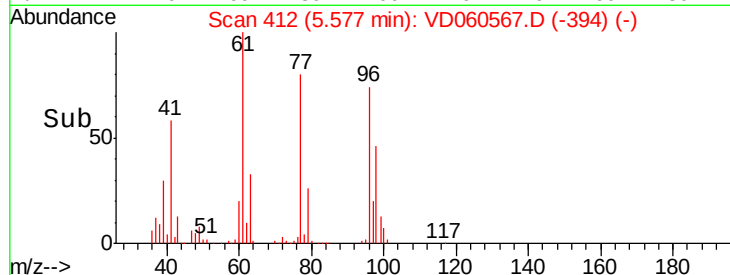
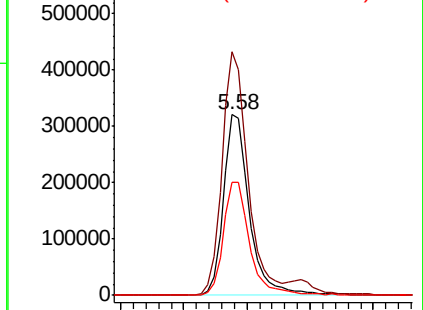
96 100

61 135.0 0.0 263.6

98 62.5 0.0 128.2



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



#28

Bromochloromethane

Concen: 49.914 ug/l

RT: 5.91 min Scan# 446

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

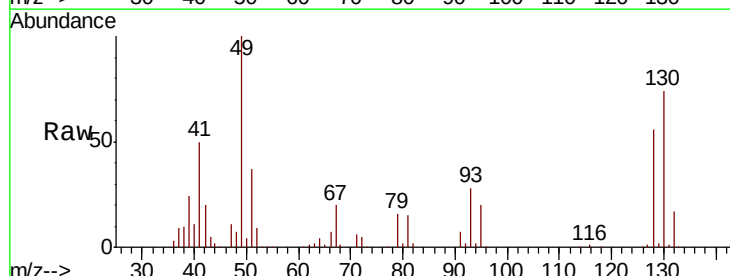
Tgt Ion: 49 Resp: 616498

Ion Ratio Lower Upper

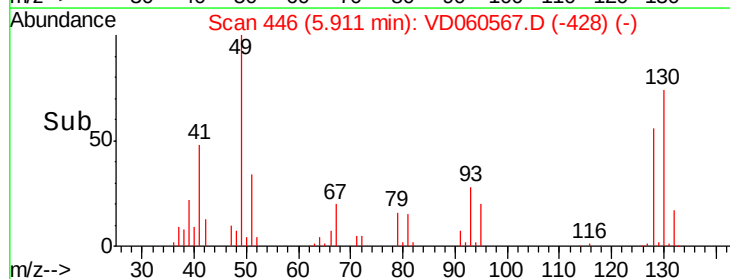
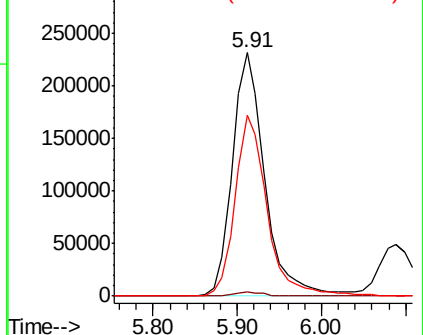
49 100

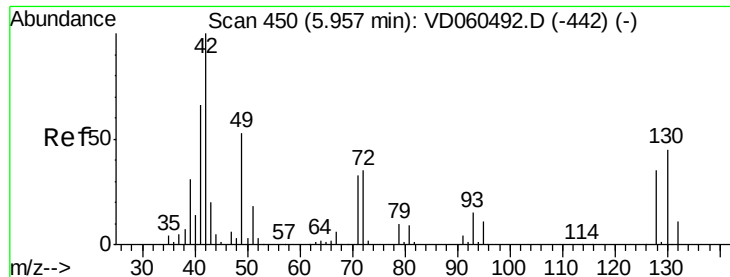
129 1.6 0.0 3.4

130 74.1 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

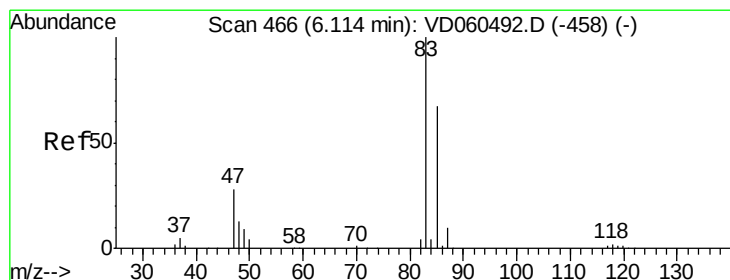
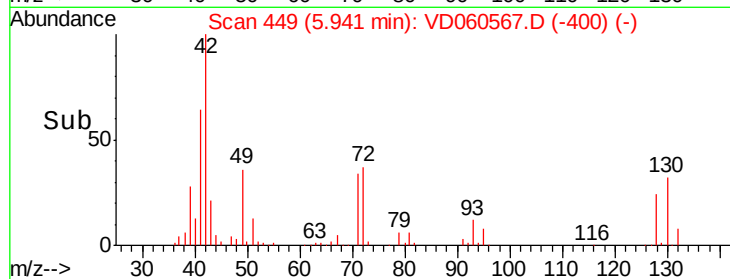
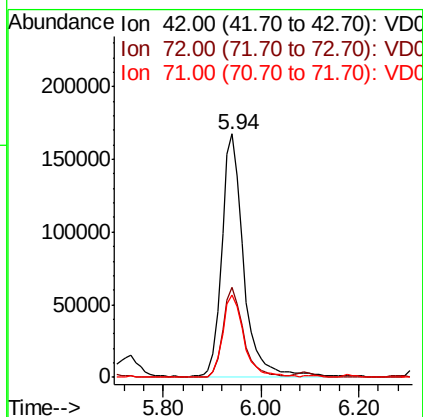
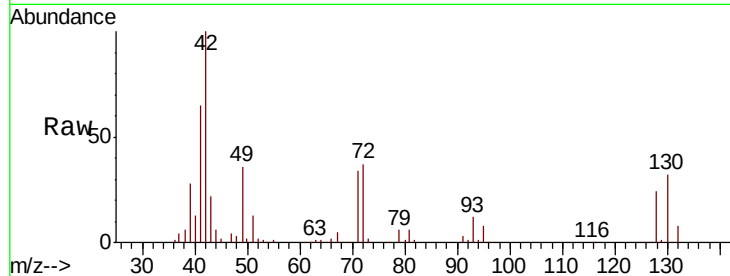




#29
Tetrahydrofuran
Concen: 258.373 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

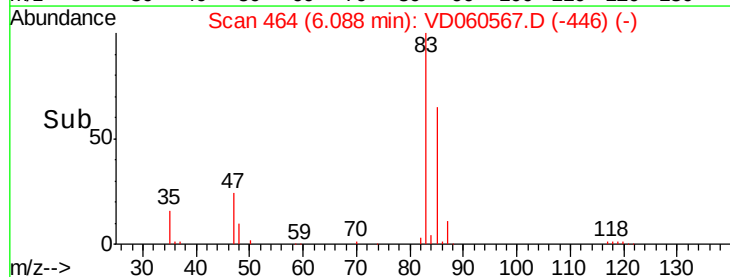
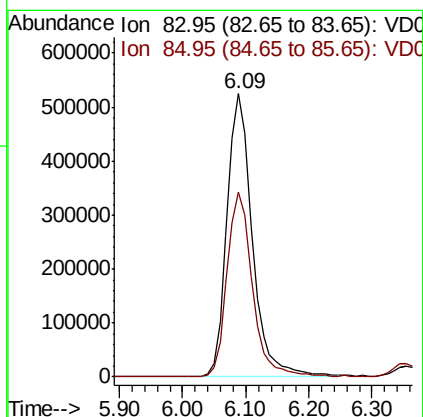
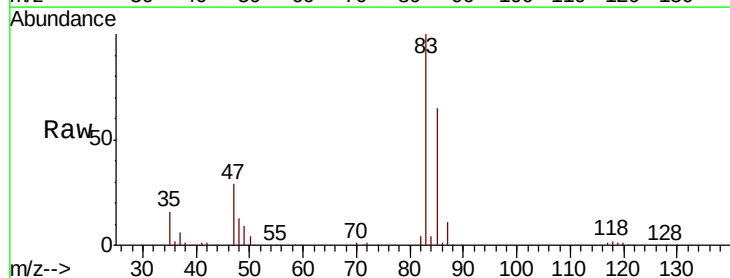
Instrument :
MSVOA_D
ClientSampled :

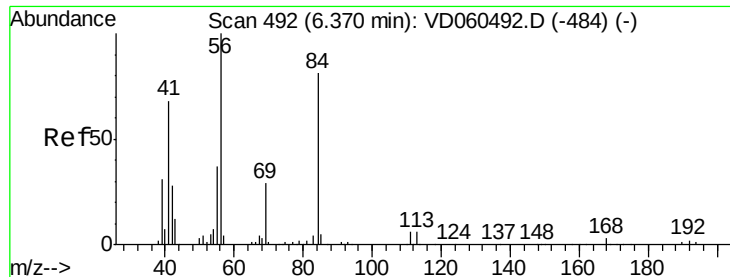
Tot Ion: 42 Resp: 515499
Ion Ratio Lower Upper
42 100
72 35.0 28.0 42.0
71 33.6 27.2 40.8



#30
Chloroform
Concen: 51.986 ug/l
RT: 6.09 min Scan# 464
Delta R.T. -0.03 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Tgt Ion: 83 Resp: 1460249
Ion Ratio Lower Upper
83 100
85 65.1 53.4 80.2

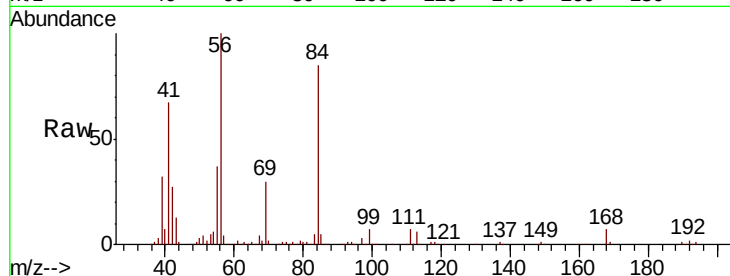




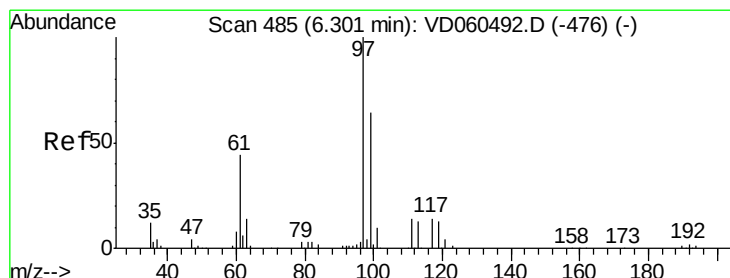
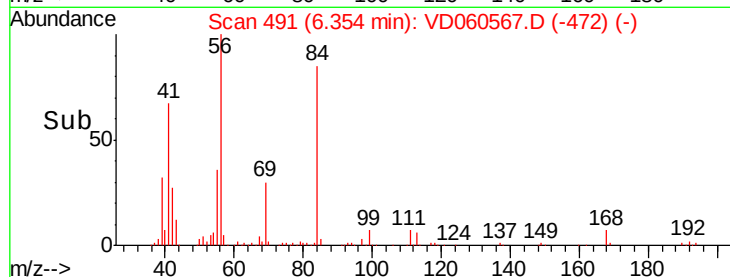
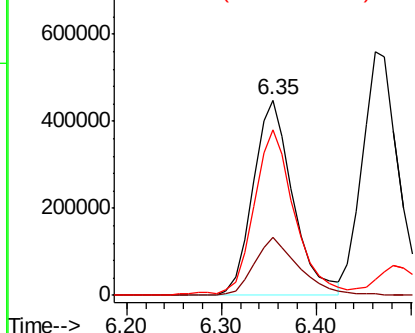
#31
Cyclohexane
Concen: 55.391 ug/l
RT: 6.35 min Scan# 491
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 1310777
Ion Ratio Lower Upper
56 100
69 29.7 22.8 34.2
84 84.6 65.1 97.7

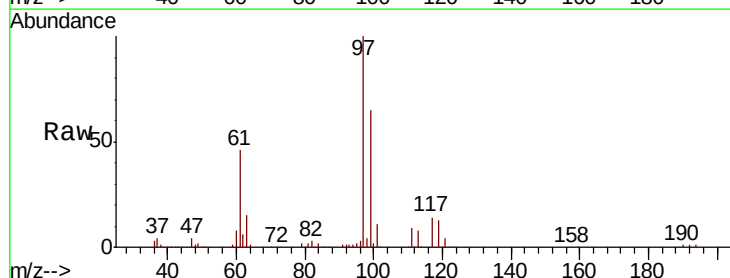


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

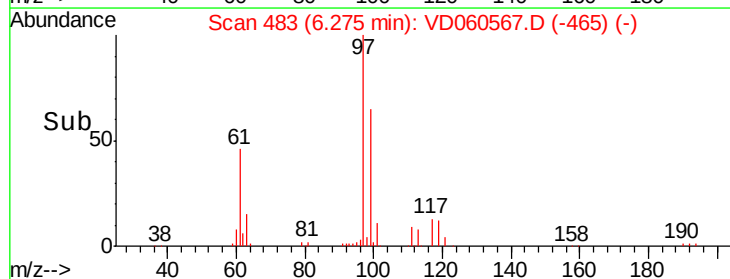
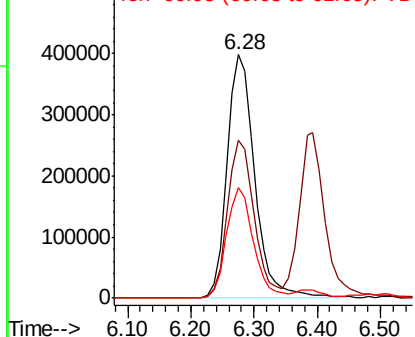


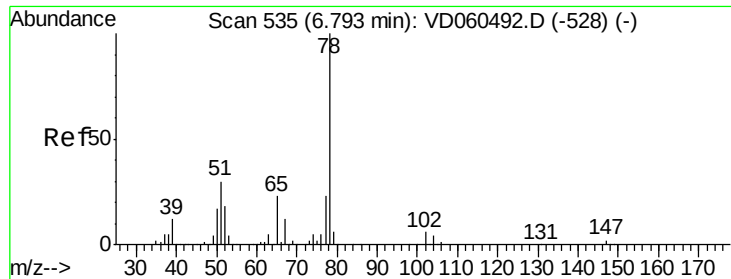
#32
1,1,1-Trichloroethane
Concen: 52.153 ug/l
RT: 6.28 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Tgt Ion: 97 Resp: 1204323
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.4
61 45.6 35.3 52.9



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

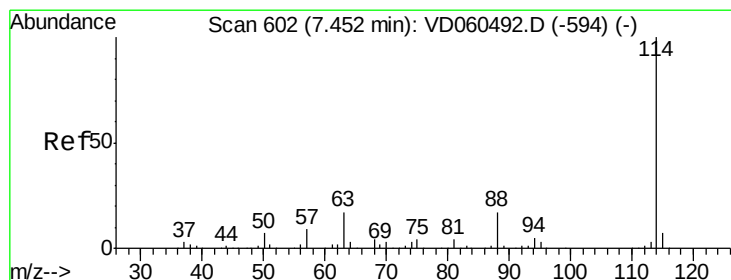
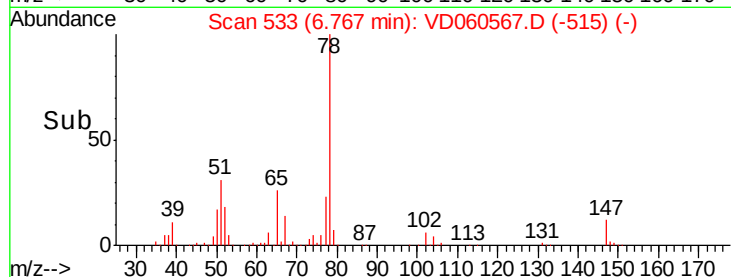
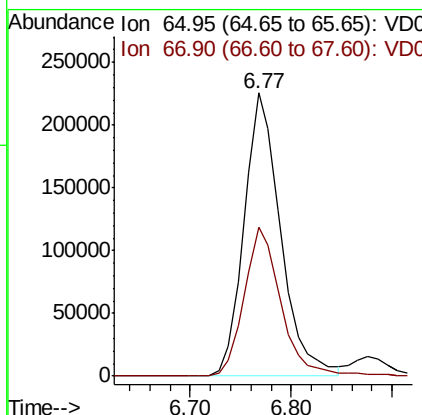
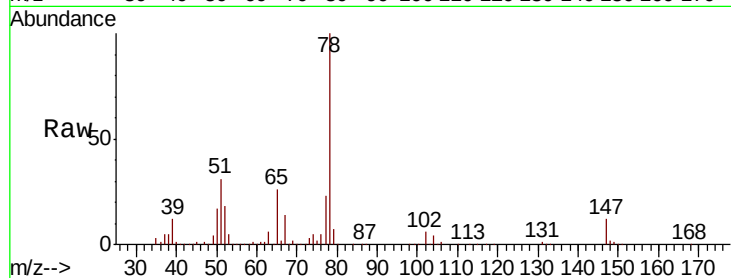




#33
 1,2-Dichloroethane-d4
 Concen: 52.153 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. -0.03 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

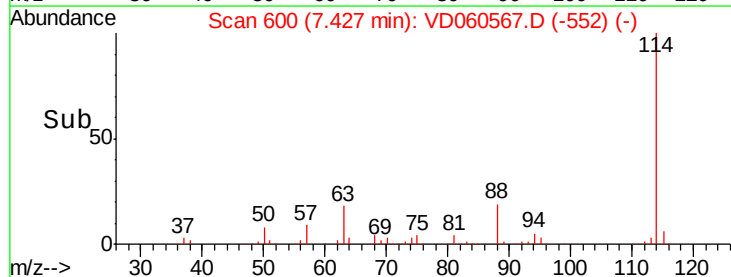
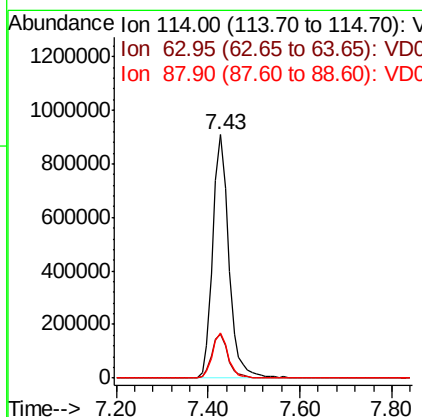
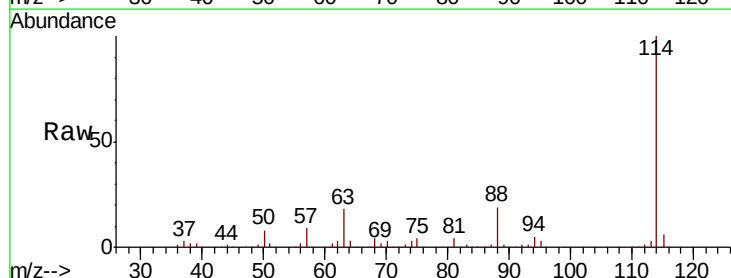
Instrument :
 MSVOA_D
 ClientSampleId :

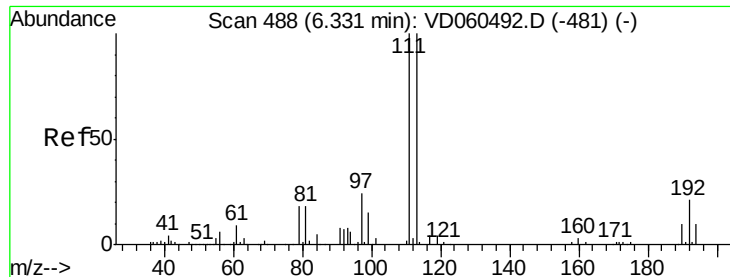
Tot Ion: 65 Resp: 569742
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

Tgt Ion: 114 Resp: 2186529
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.2
 88 18.7 0.0 35.0

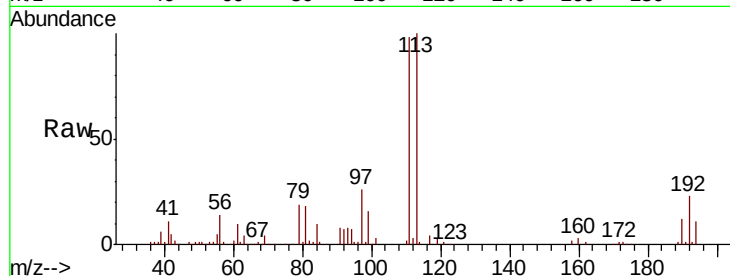




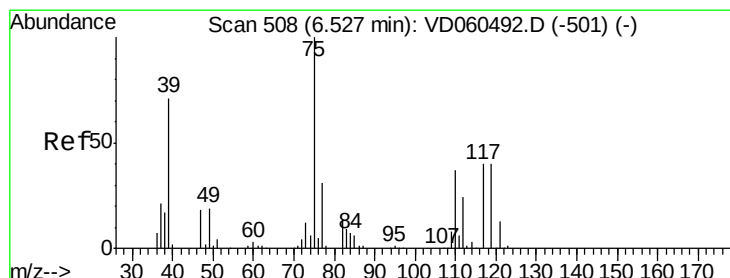
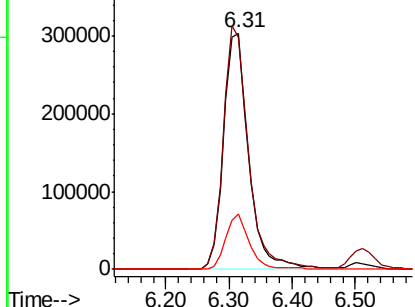
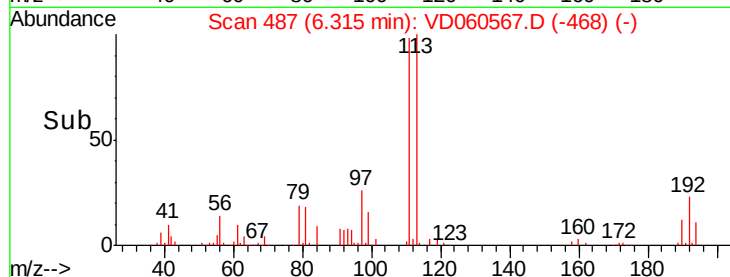
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.4	80.2	120.4
192	23.3	16.6	24.8

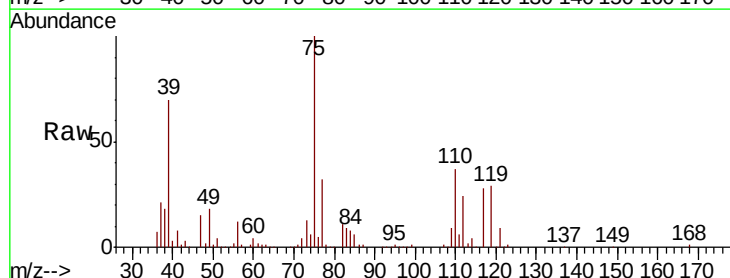


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

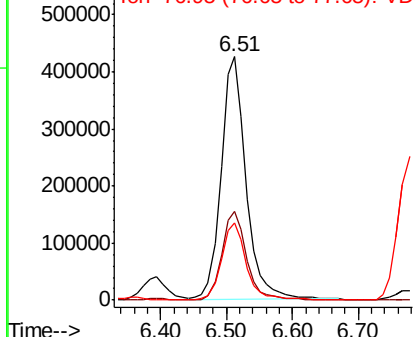
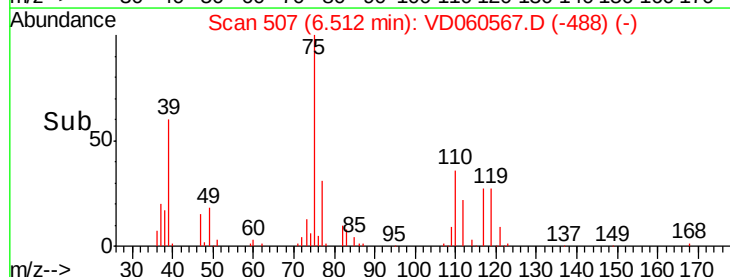


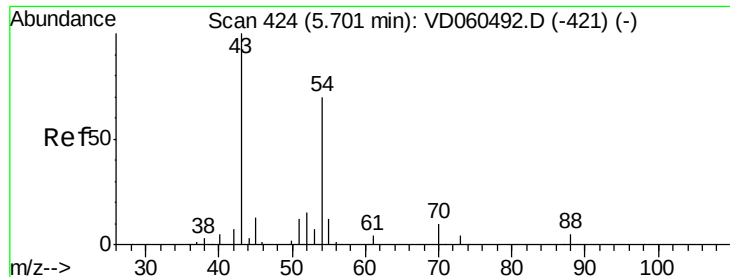
#36
 1,1-Dichloropropene
 Concen: 52.195 ug/l
 RT: 6.51 min Scan# 507
 Delta R.T. -0.02 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.3	54.8
77	31.6	24.6	37.0



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

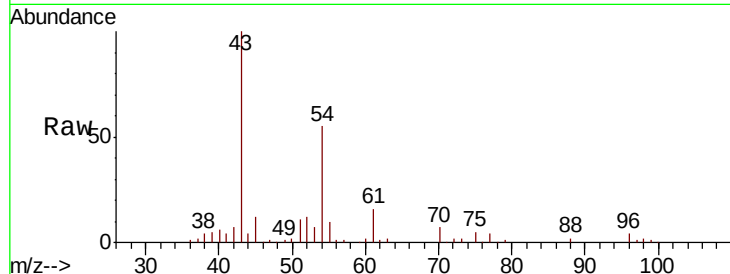




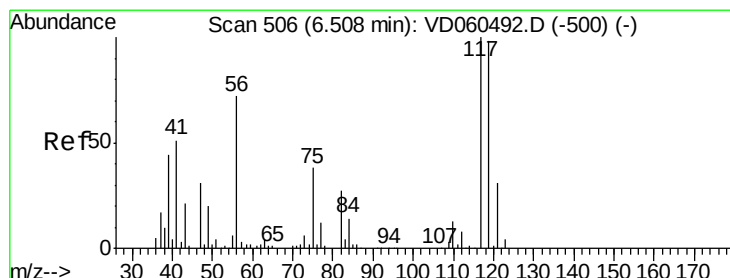
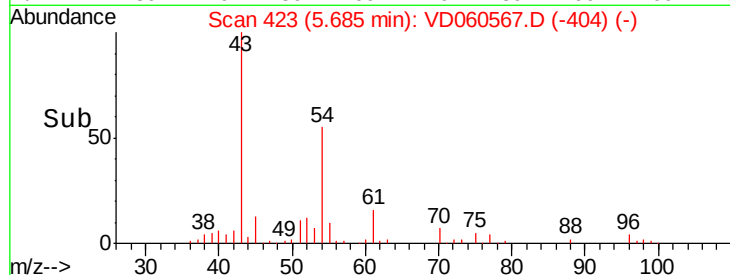
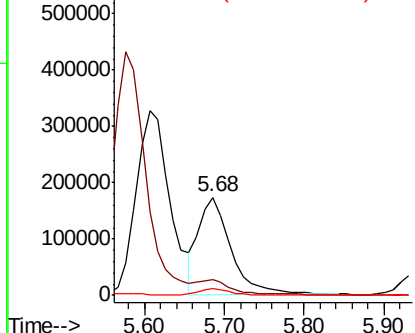
#37
Ethyl Acetate
Concen: 51.508 ug/l
RT: 5.68 min Scan# 423
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 477430
Ion Ratio Lower Upper
43 100
61 15.9 12.4 18.6
70 7.3 5.4 8.0

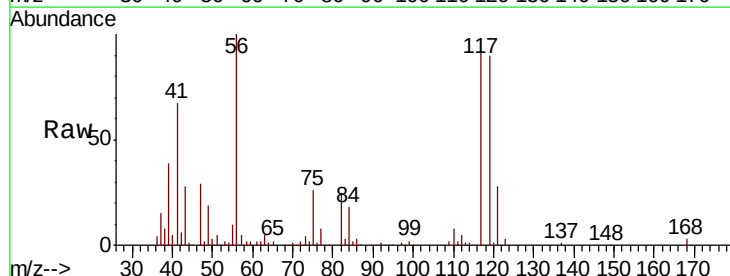


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

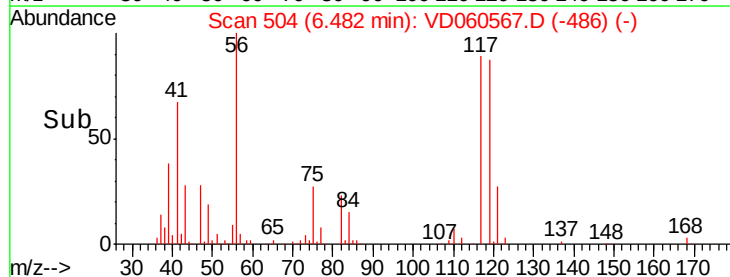
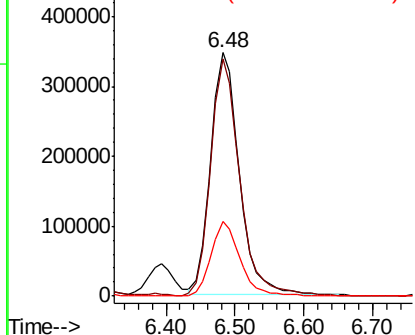


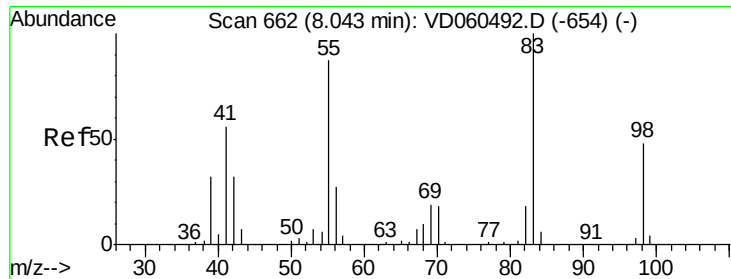
#38
Carbon Tetrachloride
Concen: 52.491 ug/l
RT: 6.48 min Scan# 504
Delta R.T. -0.03 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Tgt Ion: 117 Resp: 1007177
Ion Ratio Lower Upper
117 100
119 97.4 76.8 115.2
121 30.5 24.4 36.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

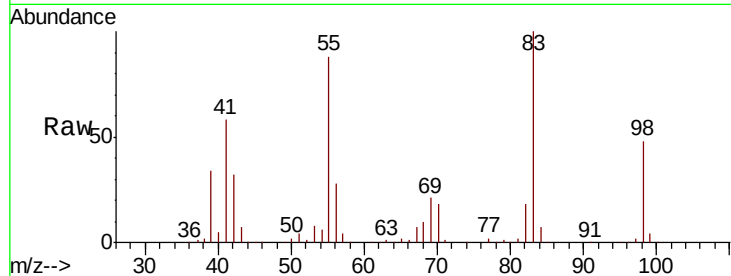




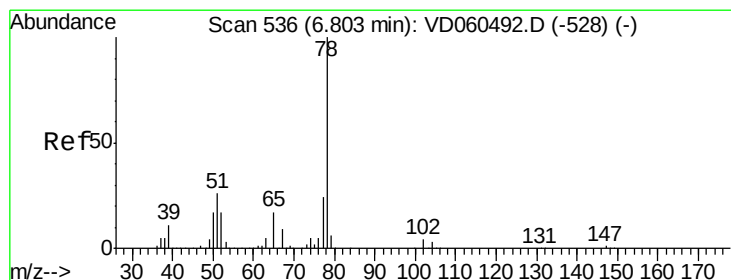
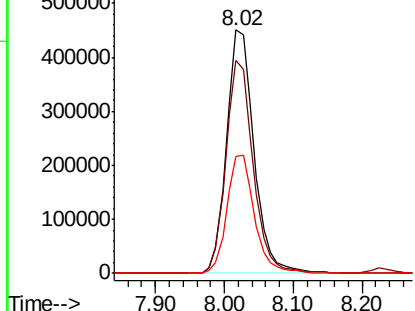
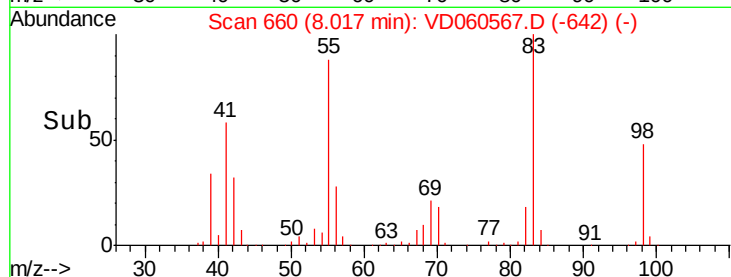
#39
Methylvlcyclohexane
Concen: 51.116 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.03 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 1245439
Ion Ratio Lower Upper
83 100
55 87.6 69.8 104.8
98 48.2 38.4 57.6

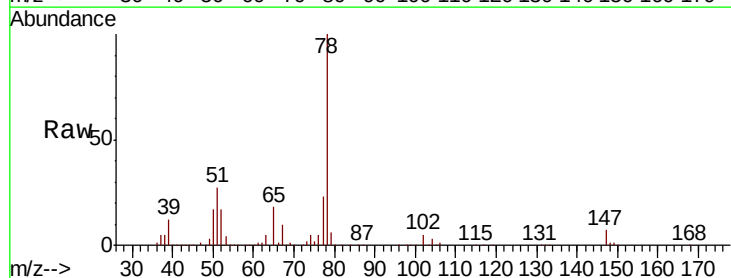


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

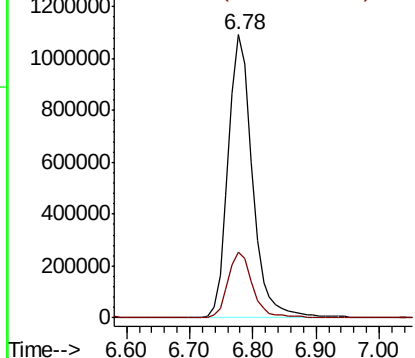
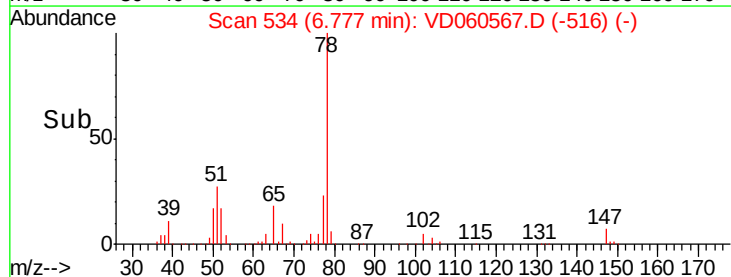


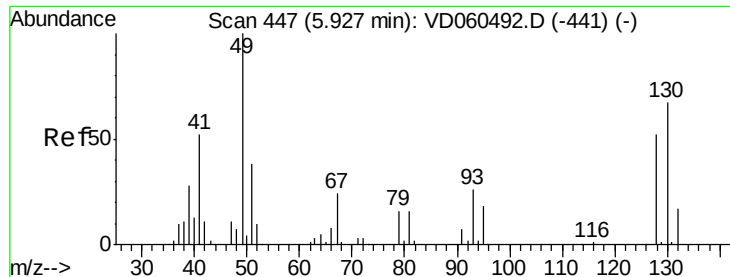
#40
Benzene
Concen: 53.299 ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.03 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Tgt Ion: 78 Resp: 2911346
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3



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





#41

Methacrylonitrile

Concen: 111.250 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.00 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 555878

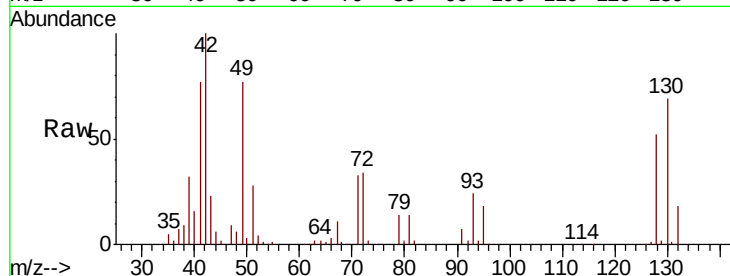
Ion Ratio Lower Upper

41 100

39 41.0 42.6 63.8#

67 14.0 36.2 54.4#

52 5.5 15.6 23.4#

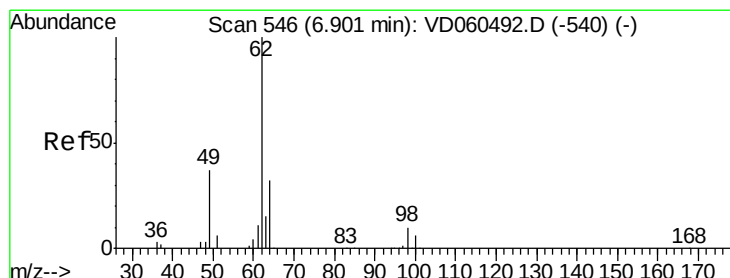
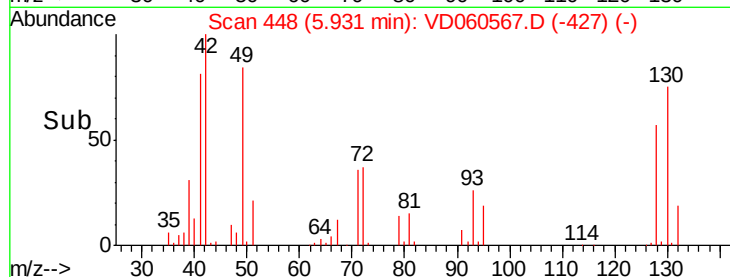
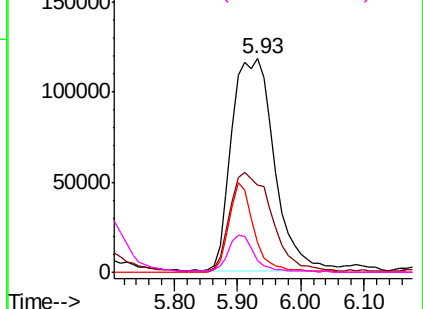


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.541 ug/l

RT: 6.88 min Scan# 544

Delta R.T. -0.03 min

Lab File: VD060567.D

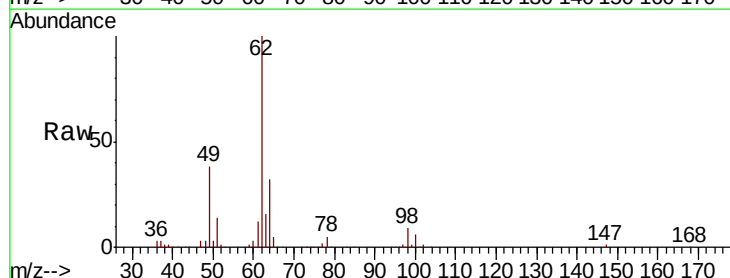
Acq: 14 Dec 2018 12:00

Tgt Ion: 62 Resp: 729702

Ion Ratio Lower Upper

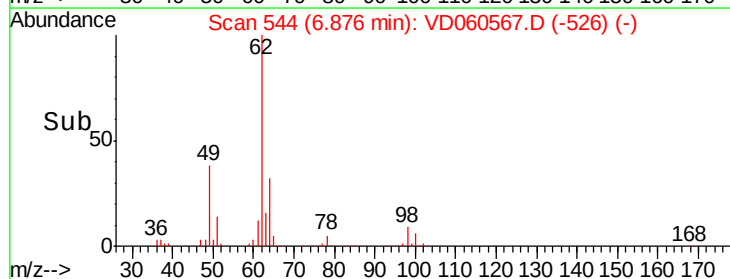
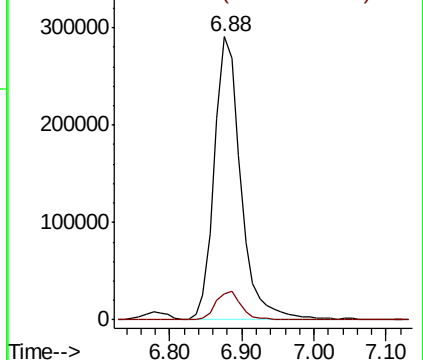
62 100

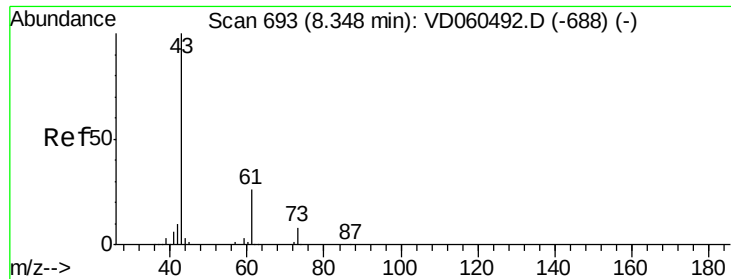
98 9.3 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 53.436 ug/l

RT: 8.33 min Scan# 692

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

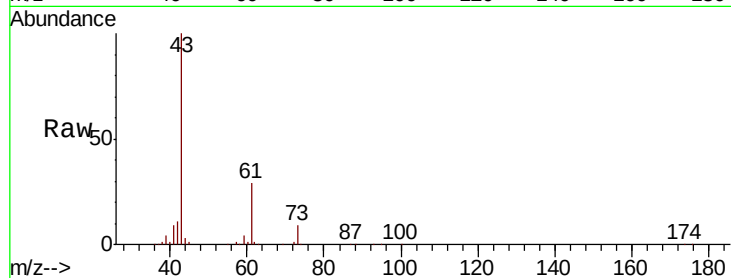
Tot Ion: 43 Resp: 611417

Ion Ratio Lower Upper

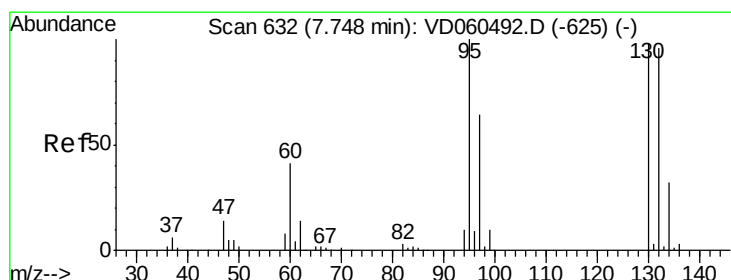
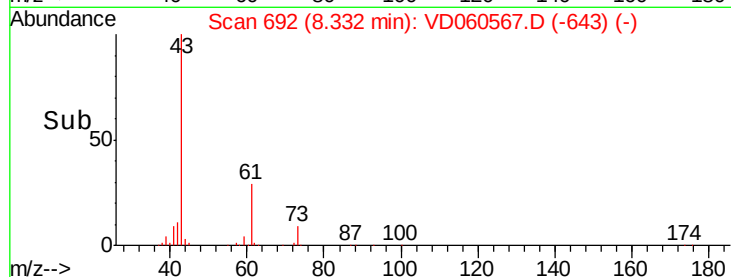
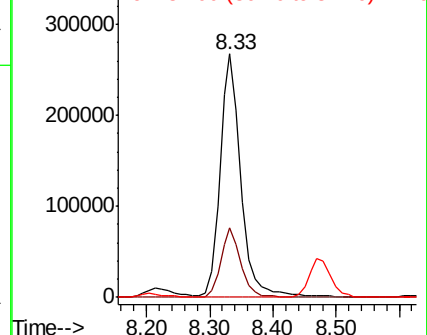
43 100

61 28.5 21.0 31.4

87 0.2 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: 53.044 ug/l

RT: 7.72 min Scan# 630

Delta R.T. -0.03 min

Lab File: VD060567.D

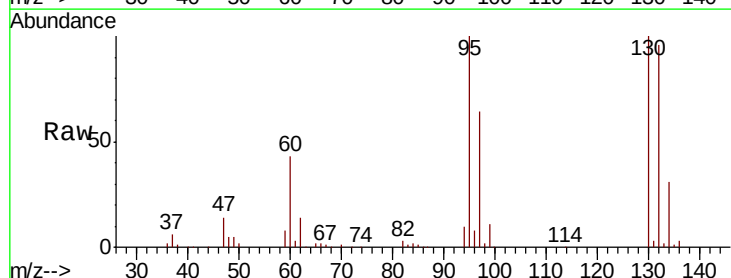
Acq: 14 Dec 2018 12:00

Tgt Ion:130 Resp: 865886

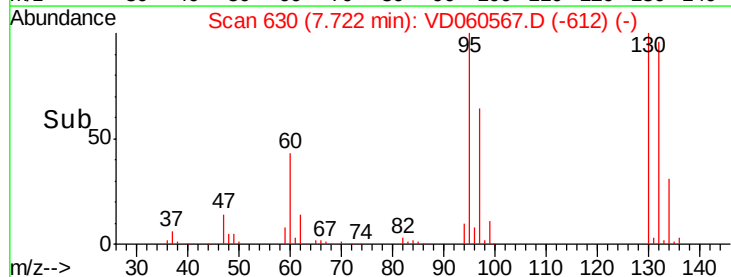
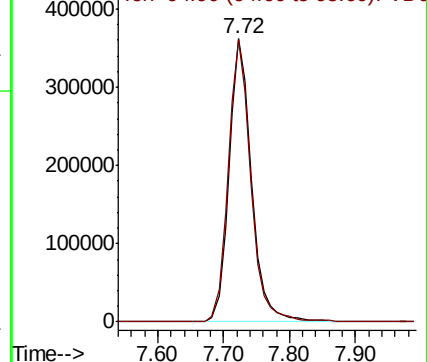
Ion Ratio Lower Upper

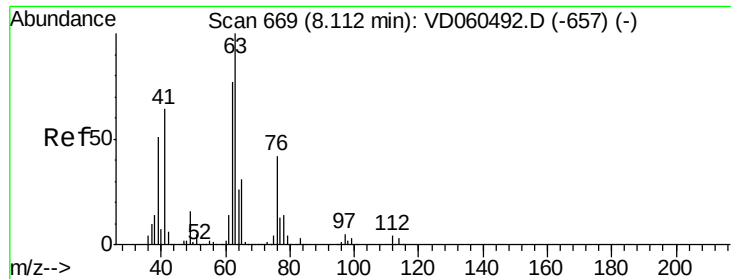
130 100

95 99.5 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

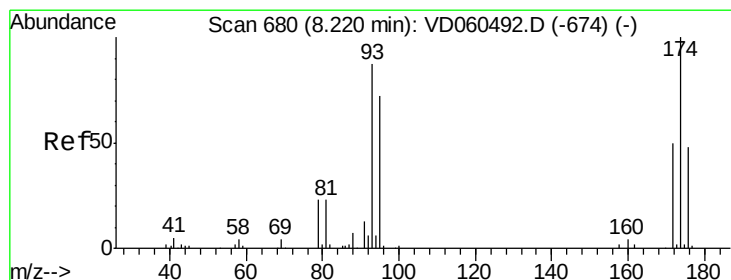
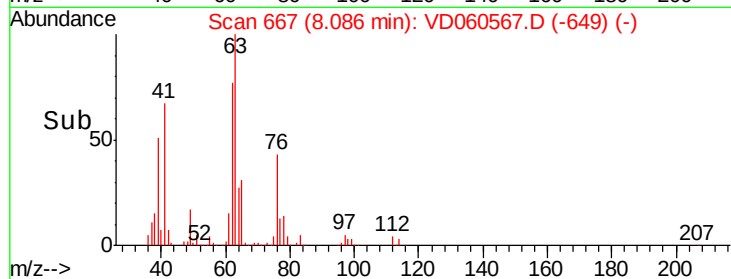
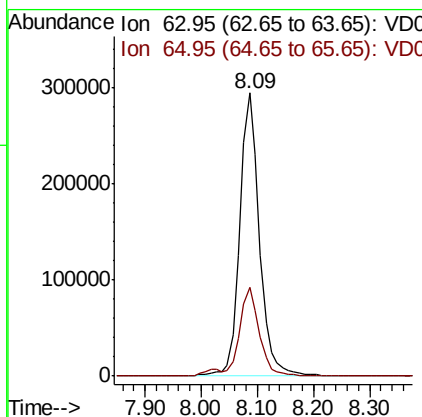
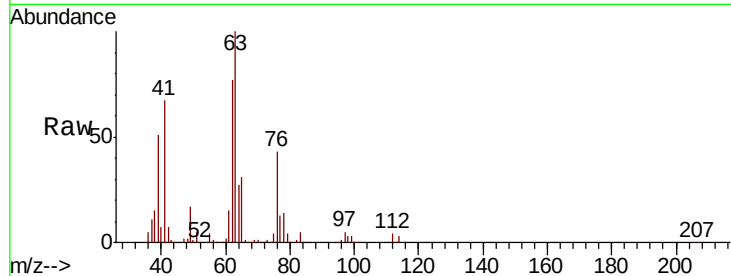




#45
 1,2-Dichloropropane
 Concen: 52.970 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. -0.03 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

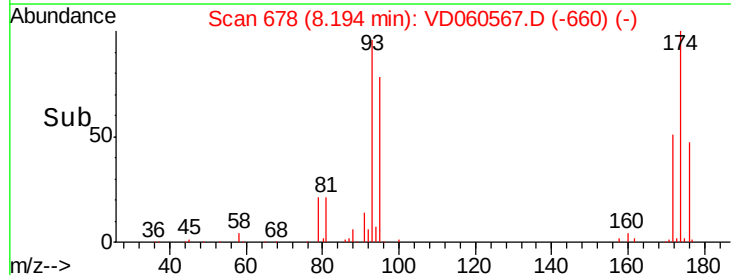
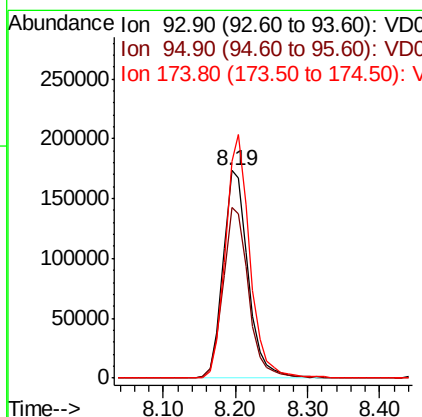
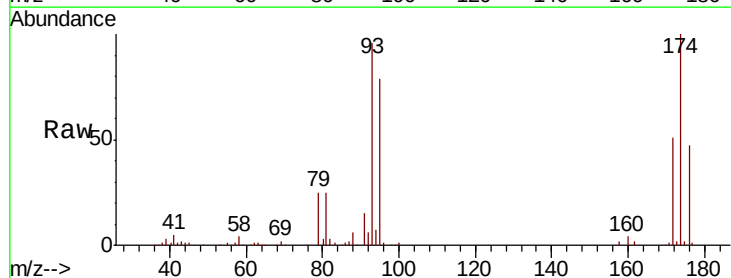
Instrument :
 MSVOA_D
 ClientSampleId :

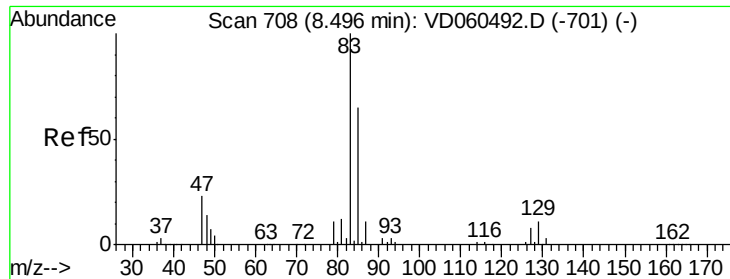
Tot Ion: 63 Resp: 715602
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 37.0



#46
 Dibromomethane
 Concen: 53.489 ug/l
 RT: 8.19 min Scan# 678
 Delta R.T. -0.03 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

Tgt Ion: 93 Resp: 417501
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.6 98.4
 174 104.7 91.7 137.5





#47

Bromodichloromethane

Concen: 54.265 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampled :

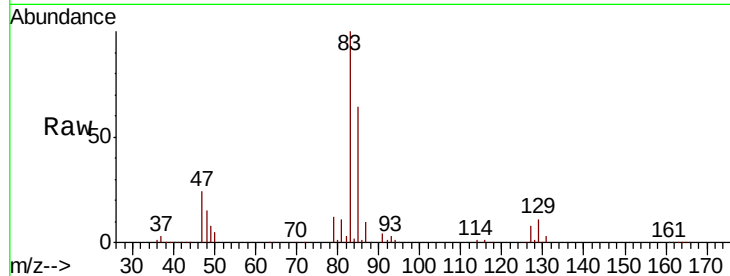
Tot Ion: 83 Resp: 1004994

Ion Ratio Lower Upper

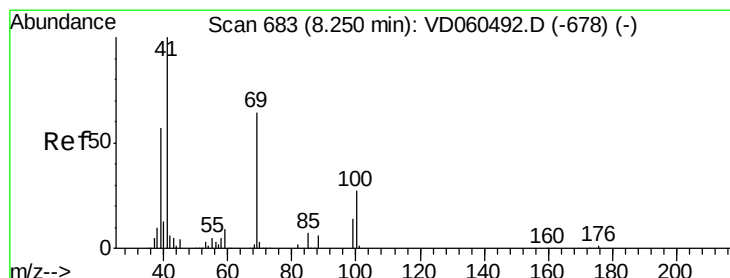
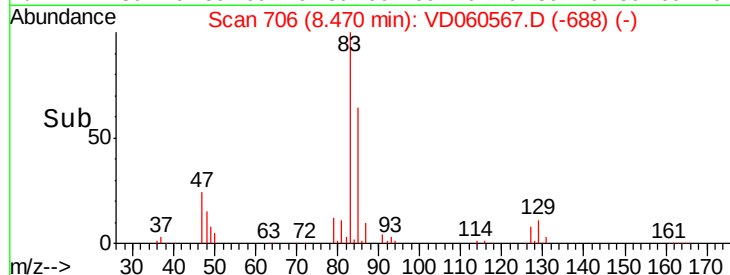
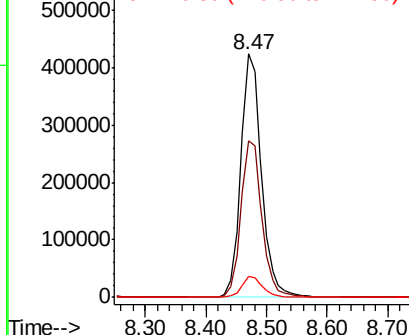
83 100

85 64.1 52.2 78.4

127 8.4 6.7 10.1



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



#48

Methyl methacrylate

Concen: 54.545 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

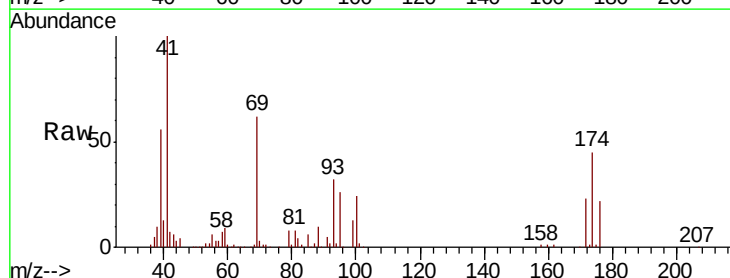
Tgt Ion: 41 Resp: 369279

Ion Ratio Lower Upper

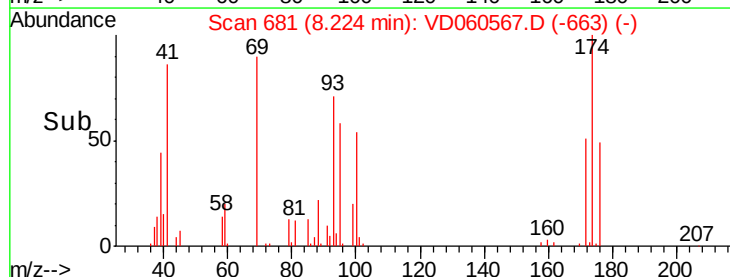
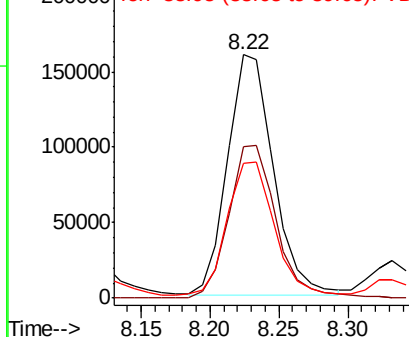
41 100

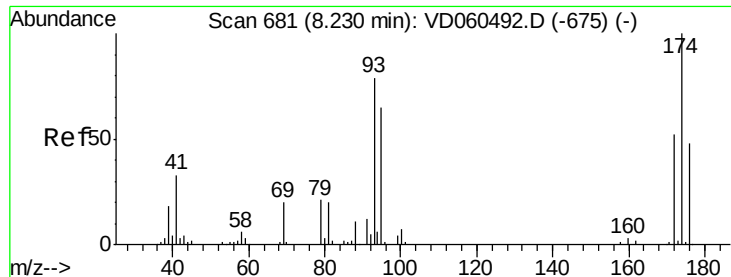
69 62.3 50.2 75.4

39 55.5 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

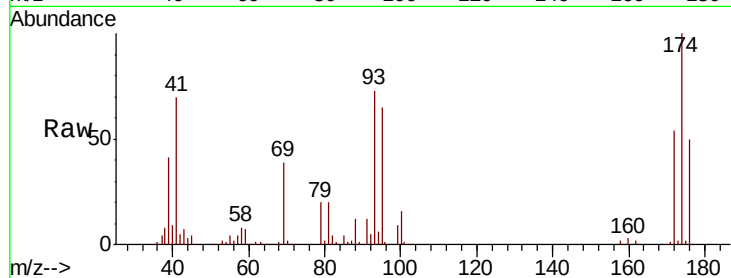




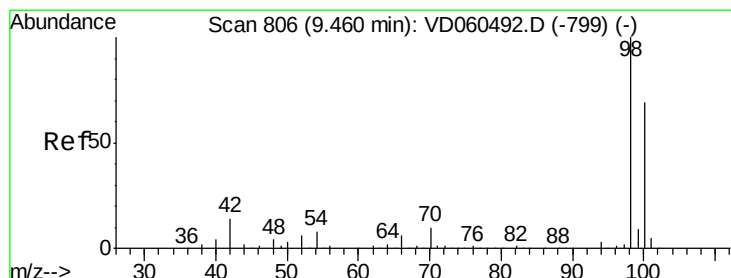
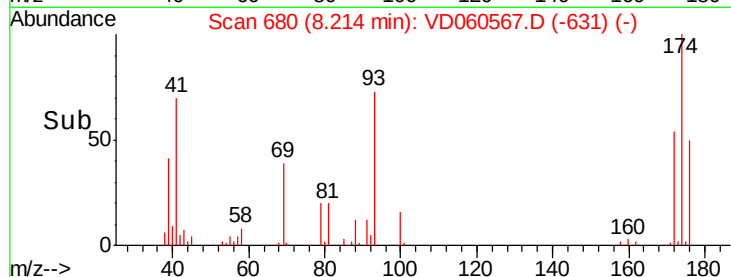
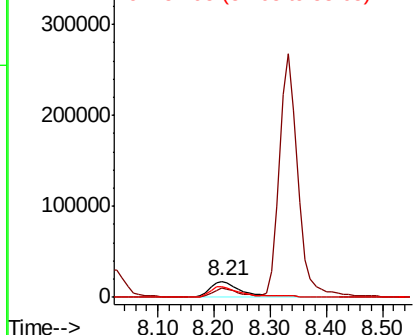
#49
1,4-Dioxane
Concen: 1132.036 ug/l
RT: 8.21 min Scan# 680
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 69462
Ion Ratio Lower Upper
88 100
43 56.5 32.9 49.3#
58 67.4 47.7 71.5

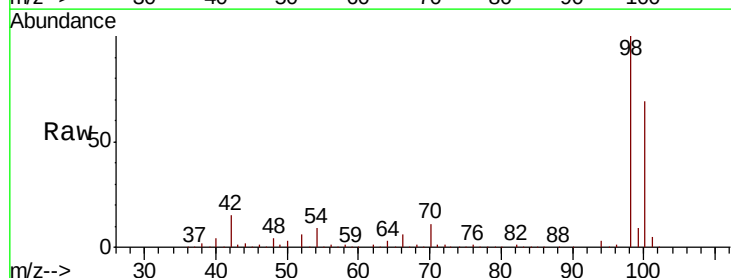


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

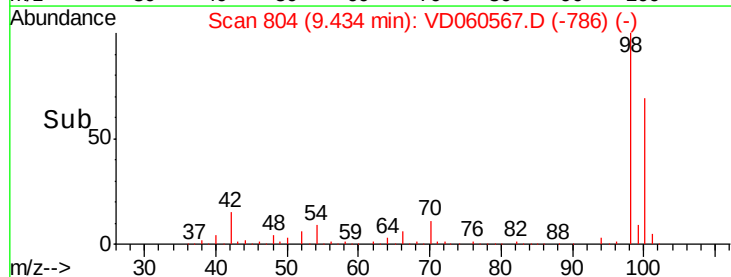
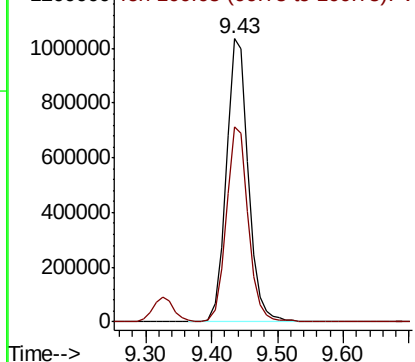


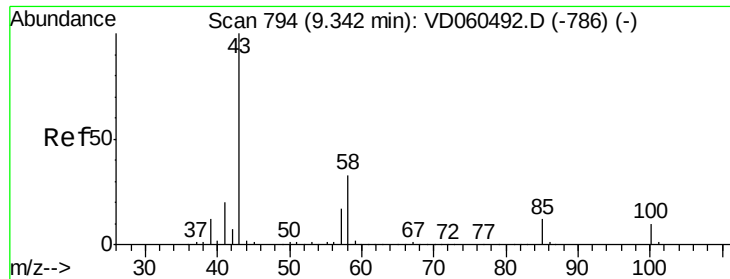
#50
Toluene-d8
Concen: 1132.036 ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Tgt Ion: 98 Resp: 2417715
Ion Ratio Lower Upper
98 100
100 68.9 55.7 83.5



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





#51

4-Methyl-2-Pentanone

Concen: 276.850 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

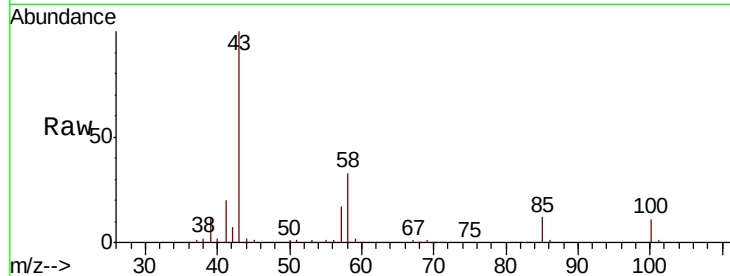
ClientSampleId :

Tot Ion: 43 Resp: 1970468

Ion Ratio Lower Upper

43 100

58 33.1 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

800000

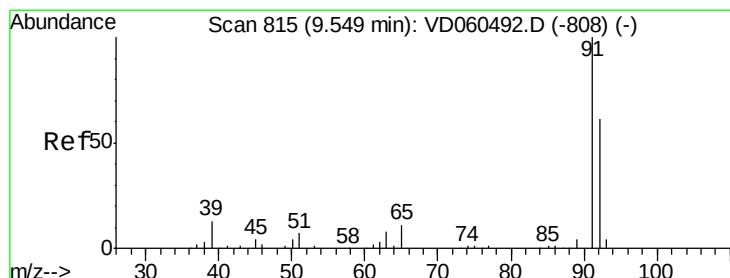
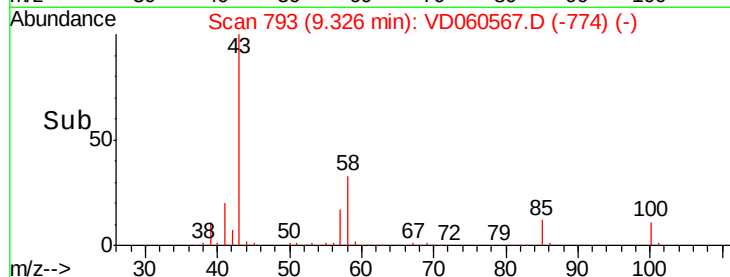
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.376 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD060567.D

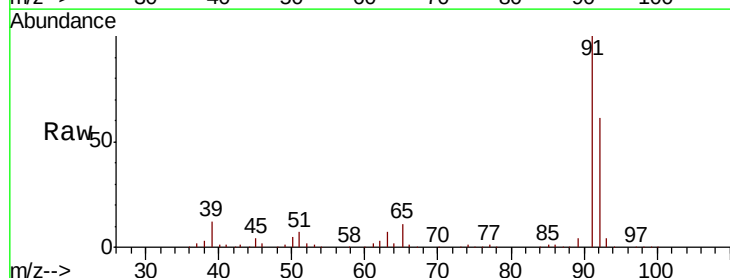
Acq: 14 Dec 2018 12:00

Tgt Ion: 92 Resp: 1788142

Ion Ratio Lower Upper

92 100

91 165.2 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

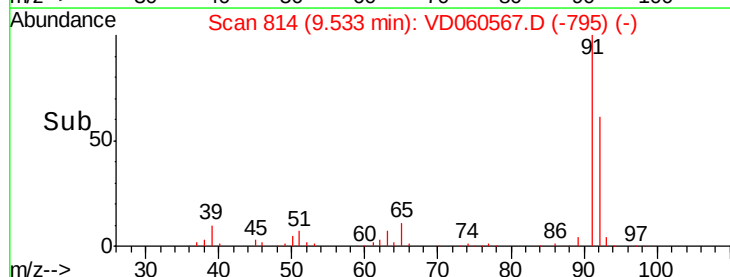
1500000

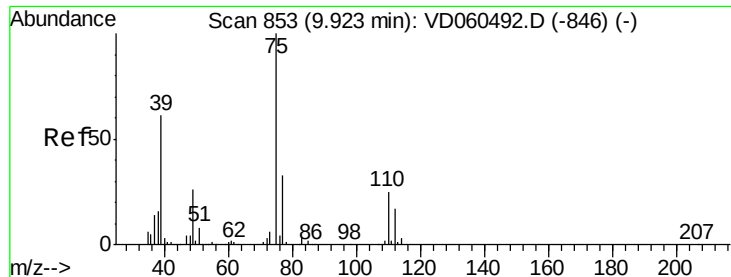
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.383 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

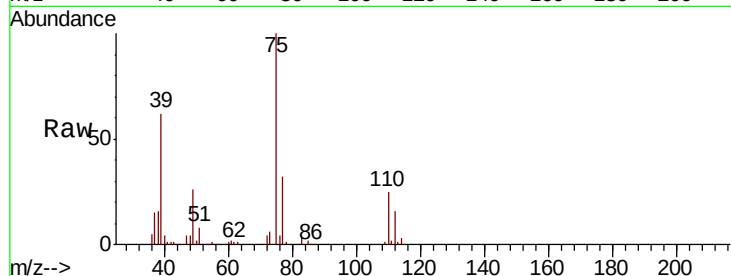
ClientSampleId :

Tot Ion: 75 Resp: 842810

Ion Ratio Lower Upper

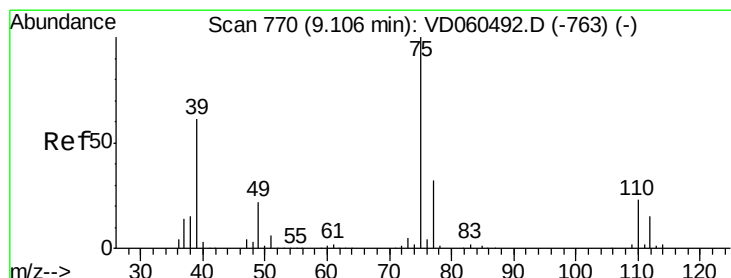
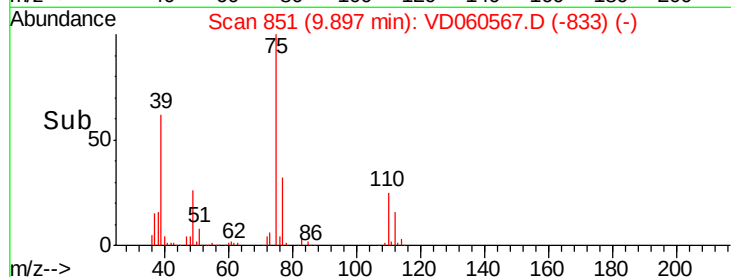
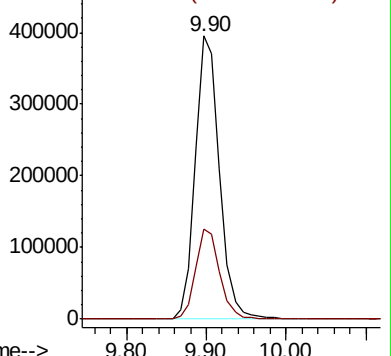
75 100

77 31.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 55.347 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

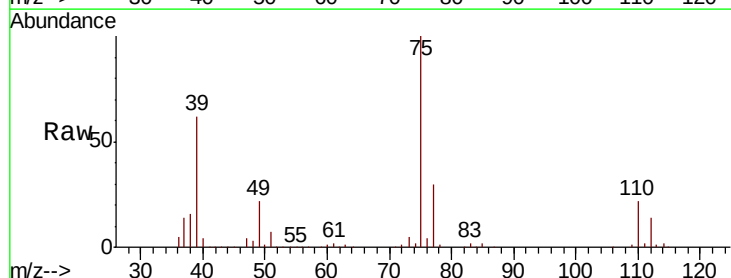
Tgt Ion: 75 Resp: 1106618

Ion Ratio Lower Upper

75 100

77 30.4 25.6 38.4

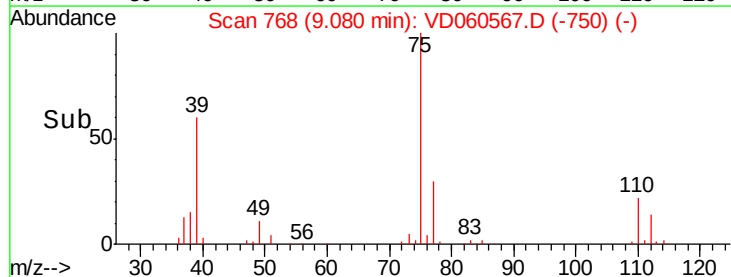
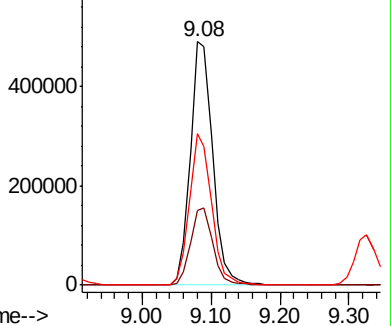
39 62.3 48.6 73.0

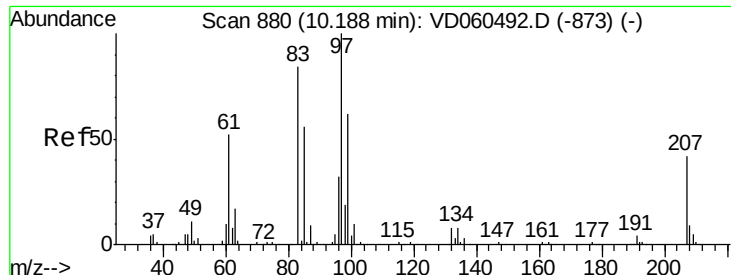


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

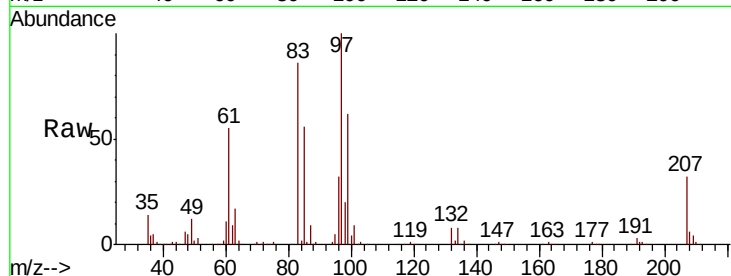




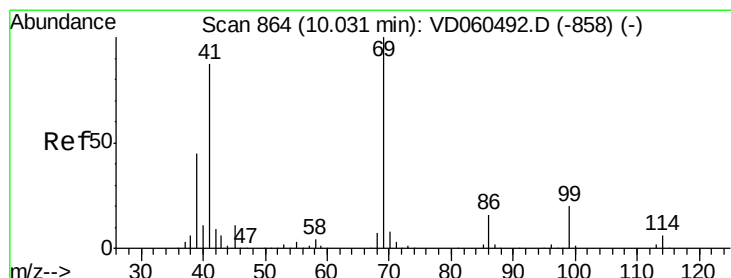
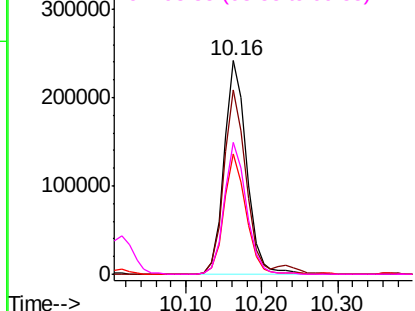
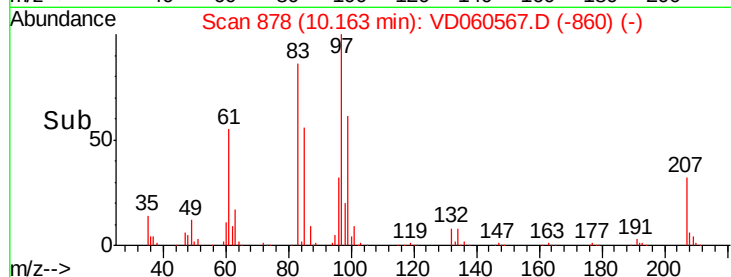
#55
 1,1,2-Trichloroethane
 Concen: 52.186 ug/l
 RT: 10.16 min Scan# 878
 Delta R.T. -0.03 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 496155
 Ion Ratio Lower Upper
 97 100
 83 86.4 67.2 100.8
 85 56.4 44.5 66.7
 99 61.9 49.3 73.9

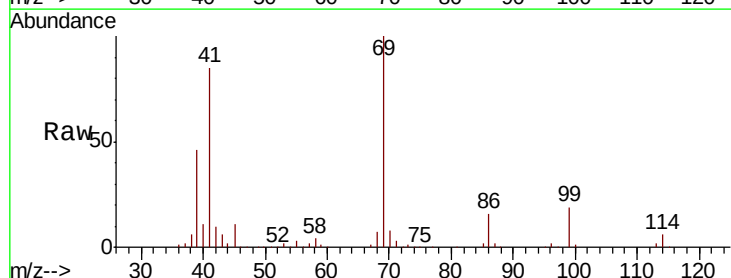


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

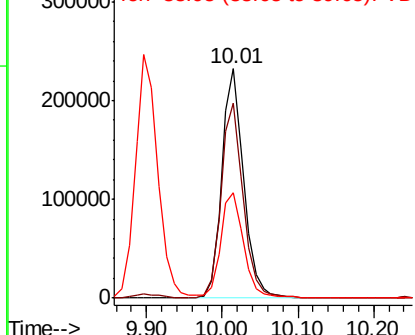
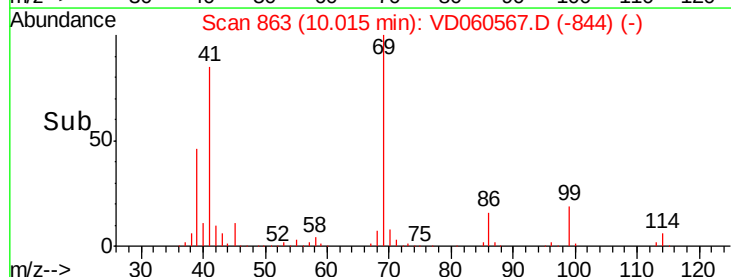


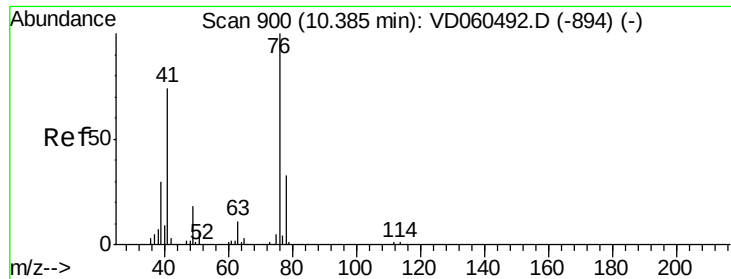
#56
 Ethyl methacrylate
 Concen: 54.095 ug/l
 RT: 10.01 min Scan# 863
 Delta R.T. -0.02 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

Tgt Ion: 69 Resp: 465459
 Ion Ratio Lower Upper
 69 100
 41 85.3 69.8 104.8
 39 45.8 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: 53.554 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

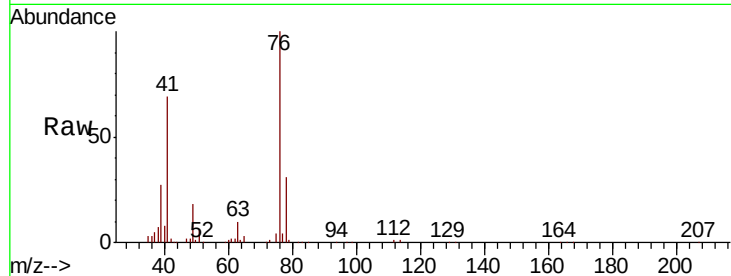
ClientSampled :

Tot Ion: 76 Resp: 787092

Ion Ratio Lower Upper

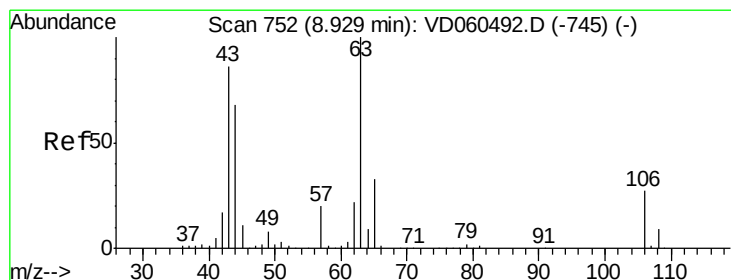
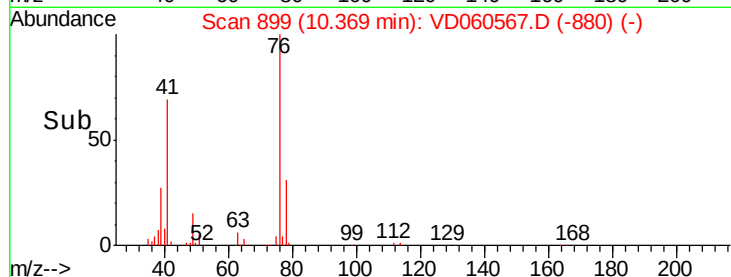
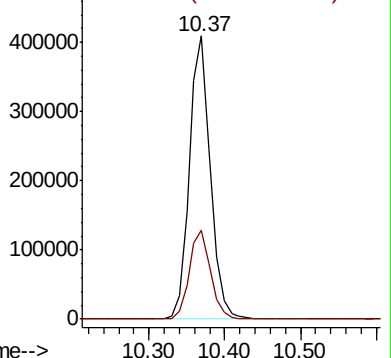
76 100

78 31.4 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 259.955 ug/l

RT: 8.90 min Scan# 750

Delta R.T. -0.03 min

Lab File: VD060567.D

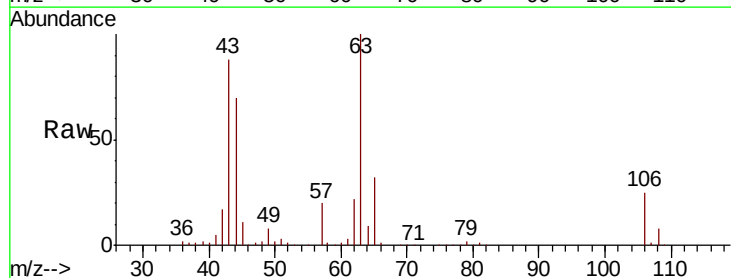
Acq: 14 Dec 2018 12:00

Tgt Ion: 63 Resp: 1338365

Ion Ratio Lower Upper

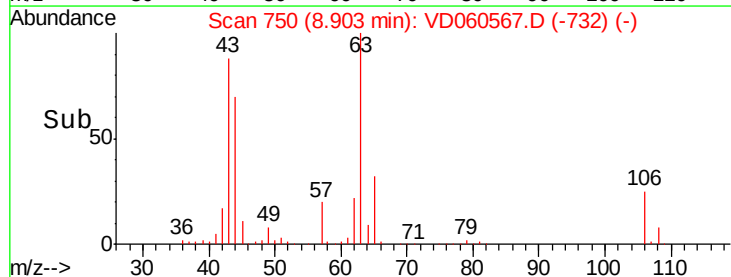
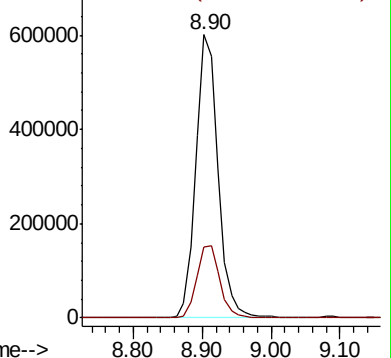
63 100

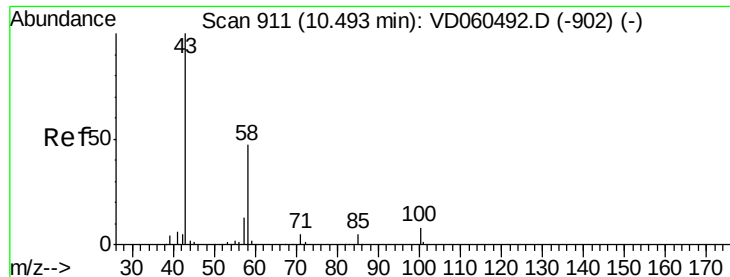
106 25.2 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

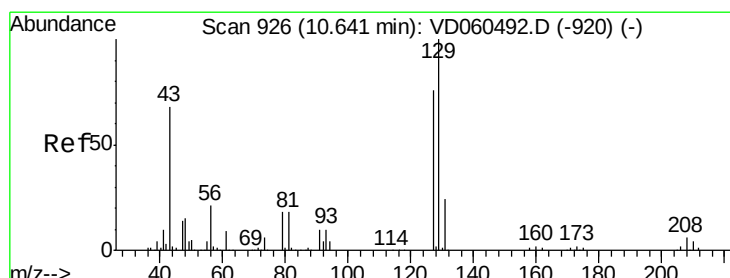
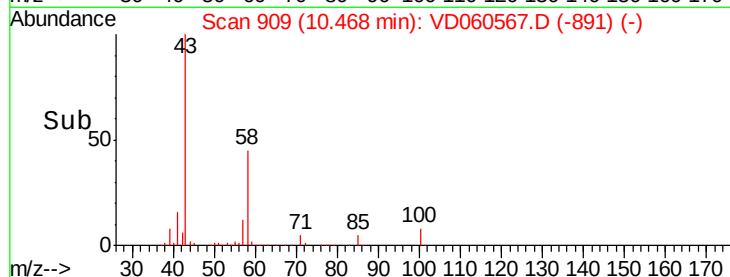
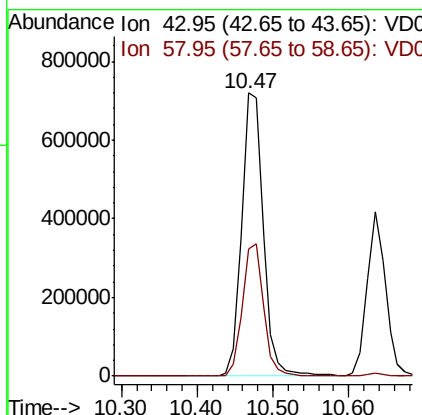
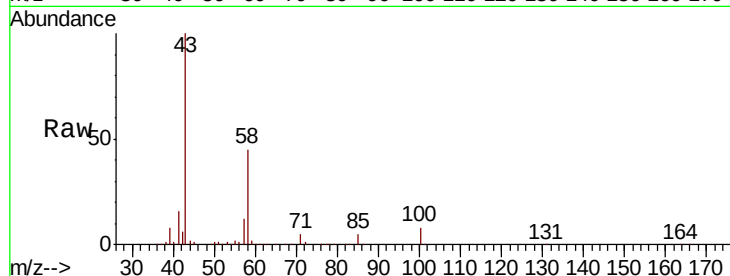




#59
2-Hexanone
Concen: 285.645 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.03 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

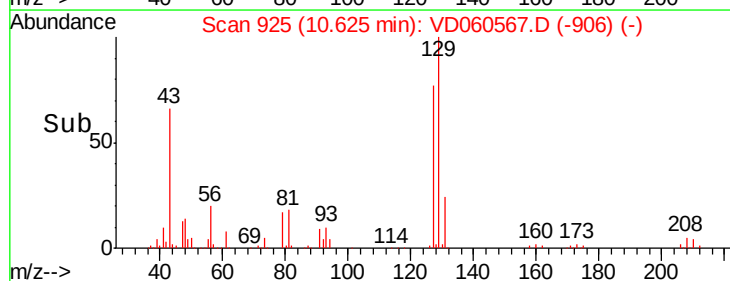
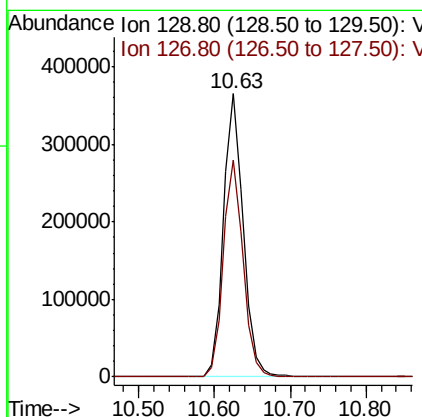
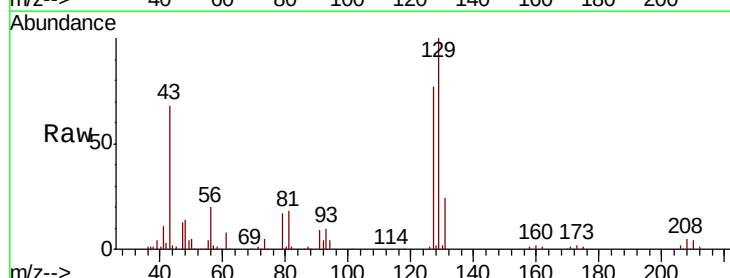
Instrument :
MSVOA_D
ClientSampleId :

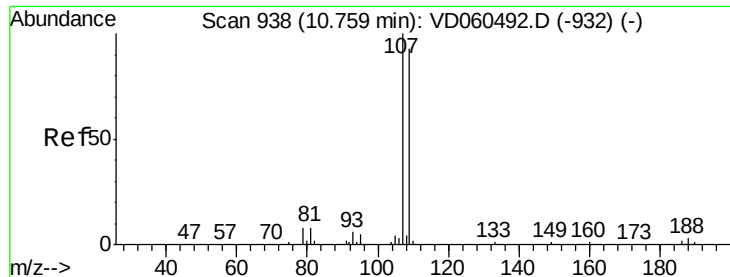
Tot Ion: 43 Resp: 1421060
Ion Ratio Lower Upper
43 100
58 44.9 23.4 70.2



#60
Dibromochloromethane
Concen: 55.607 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Tgt Ion: 129 Resp: 661001
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3

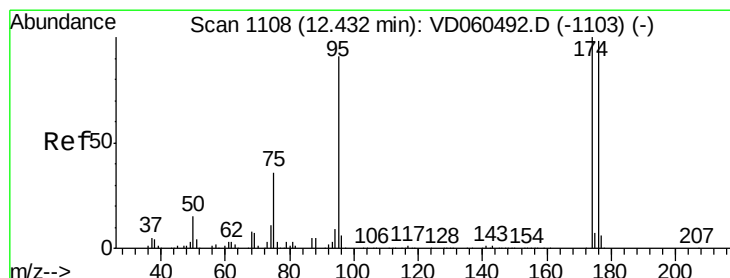
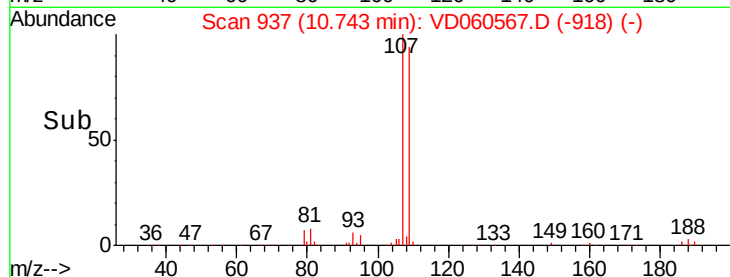
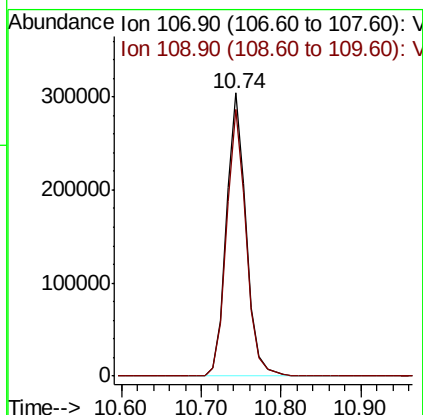
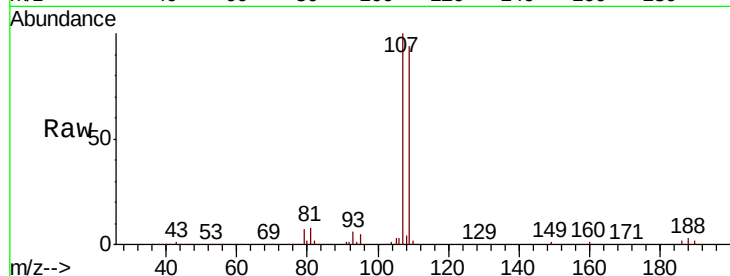




#61
 1,2-Dibromoethane
 Concen: 54.578 ug/l
 RT: 10.74 min Scan# 937
 Delta R.T. -0.02 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

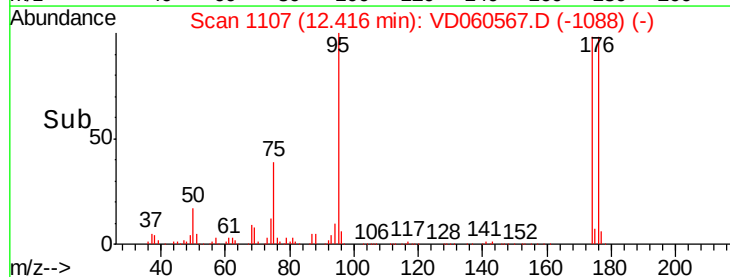
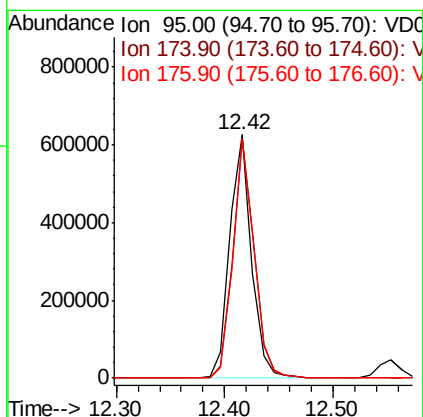
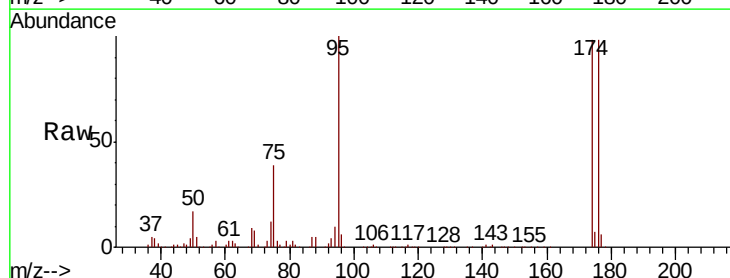
Instrument :
 MSVOA_D
 ClientSampleId :

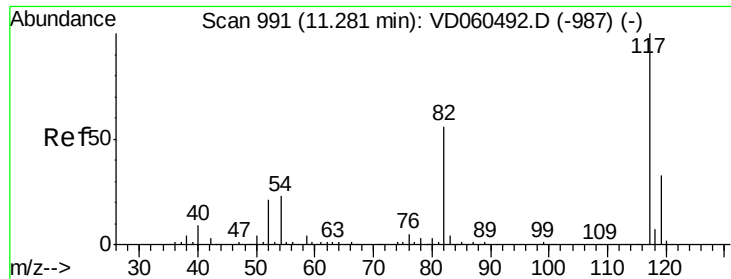
Tot Ion:107 Resp: 528808
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 54.578 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.02 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

Tgt Ion: 95 Resp: 878431
 Ion Ratio Lower Upper
 95 100
 174 98.5 0.0 219.4
 176 98.4 0.0 214.6

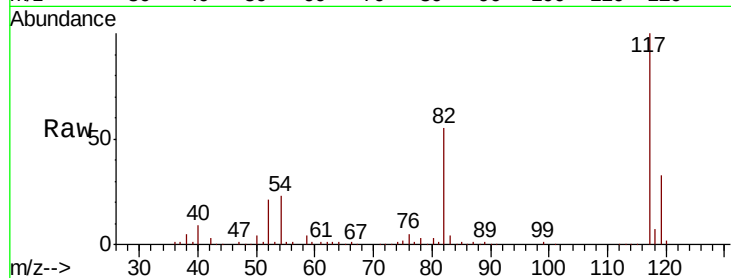




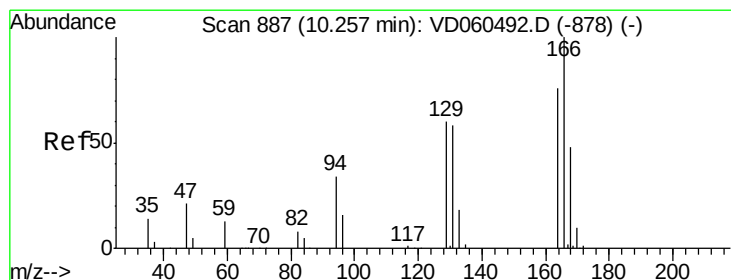
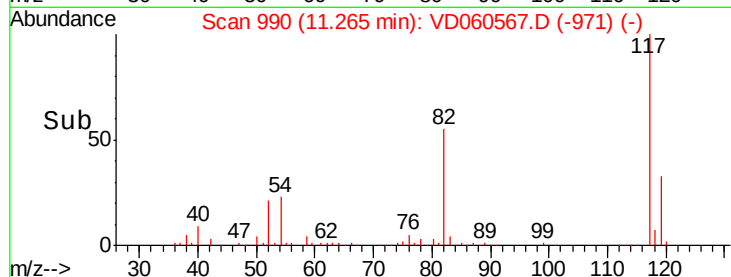
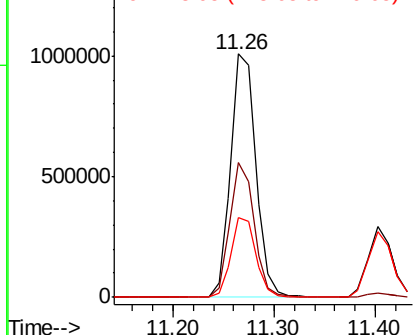
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1751420
Ion Ratio Lower Upper
117 100
82 55.4 45.2 67.8
119 32.5 26.1 39.1

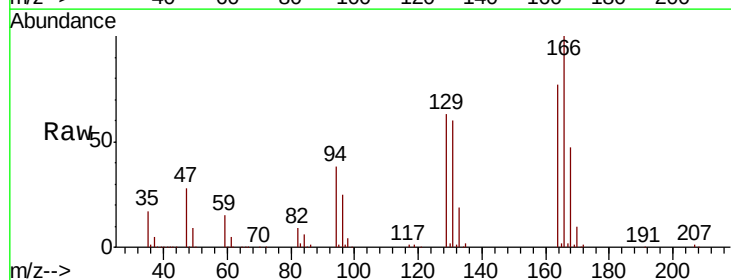


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

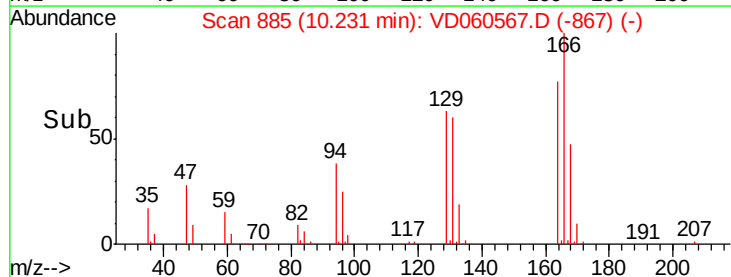
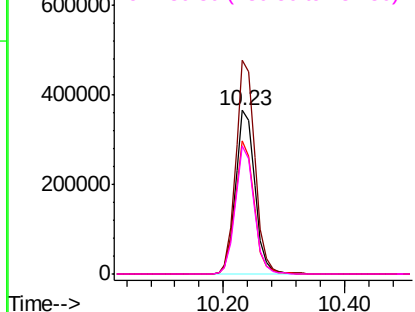


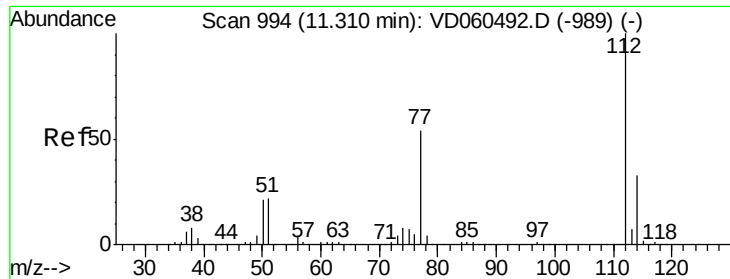
#64
Tetrachloroethene
Concen: 51.945 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.03 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Tgt Ion:164 Resp: 805593
Ion Ratio Lower Upper
164 100
166 130.6 105.0 157.6
129 81.7 63.0 94.4
131 77.9 60.6 90.8



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





#65

Chlorobenzene

Concen: 52.121 ug/l

RT: 11.30 min Scan# 994

Delta R.T. -0.01 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

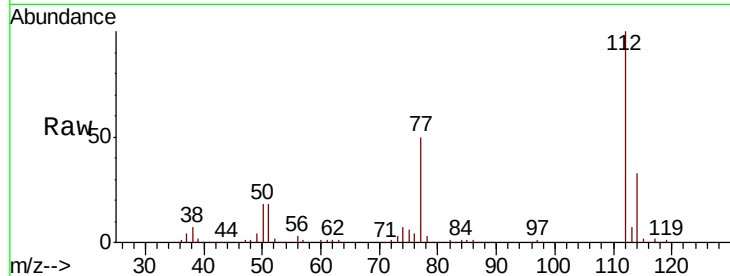
ClientSampleId :

Tot Ion:112 Resp: 1931199

Ion Ratio Lower Upper

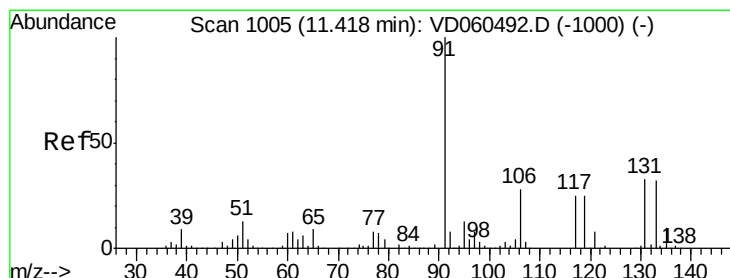
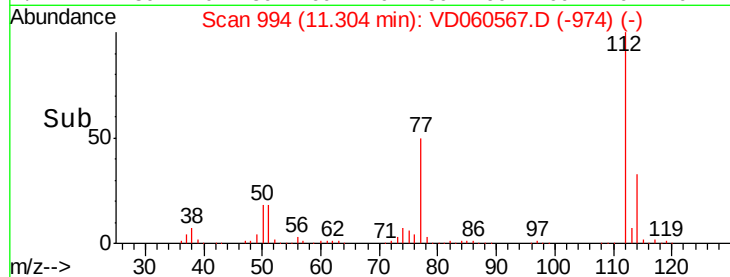
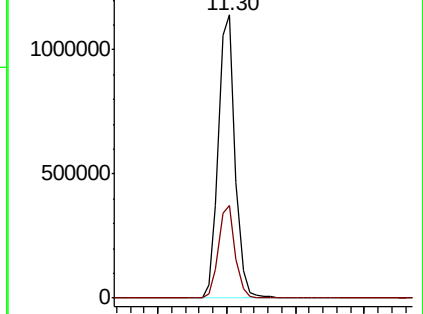
112 100

114 32.8 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.432 ug/l

RT: 11.40 min Scan# 1004

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

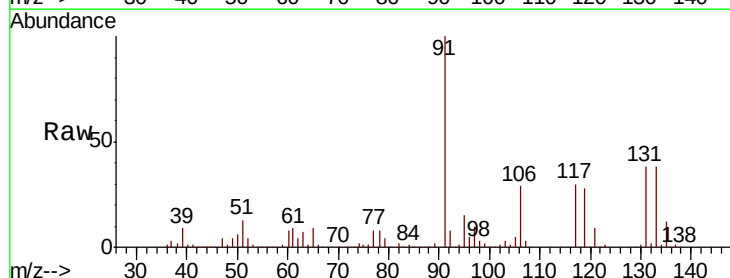
Tgt Ion:131 Resp: 650059

Ion Ratio Lower Upper

131 100

133 99.0 49.1 147.3

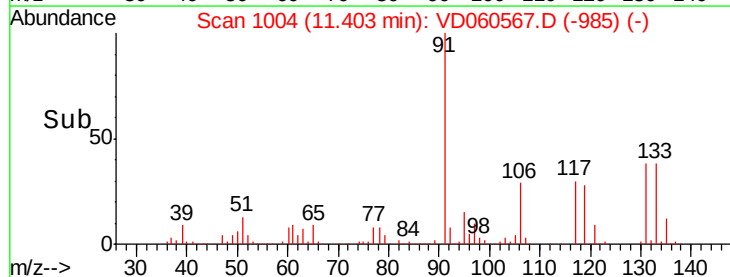
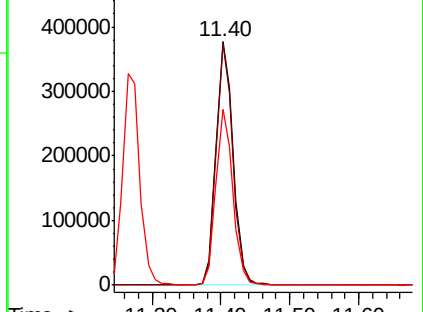
119 72.2 37.5 112.3

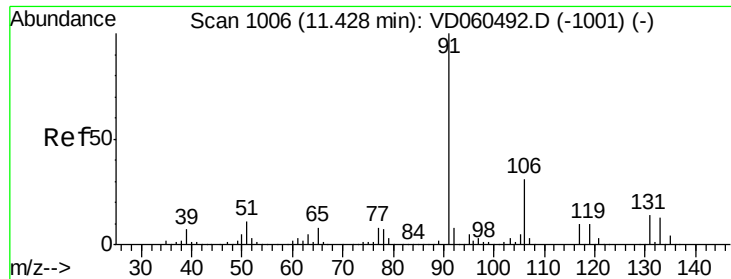


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

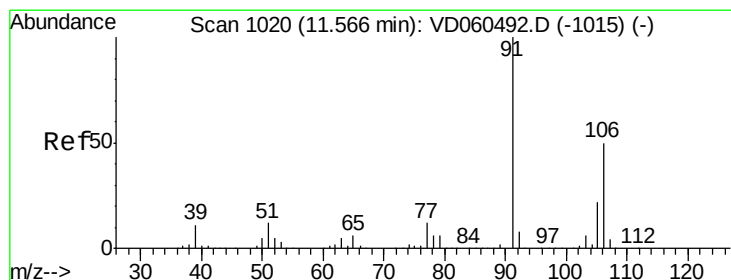
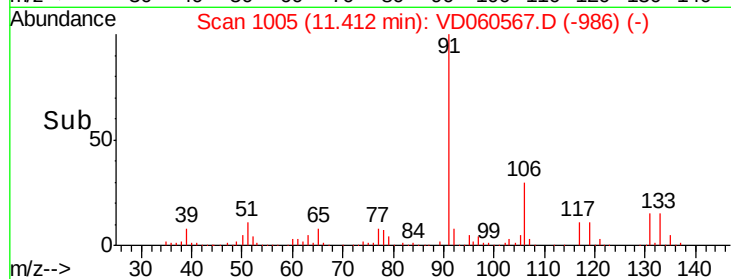
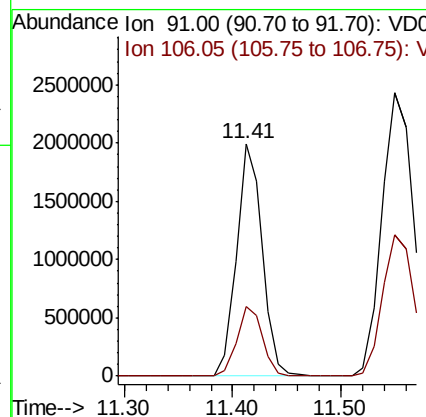
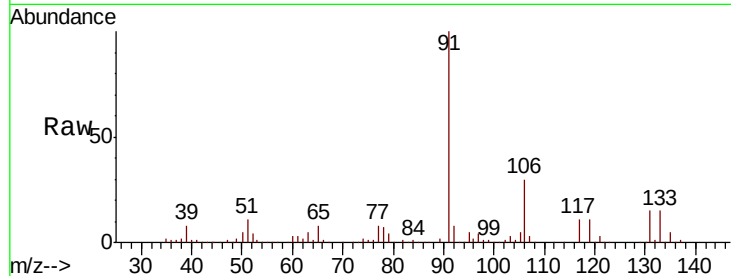




#67
Ethyl Benzene
Concen: 51.989 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

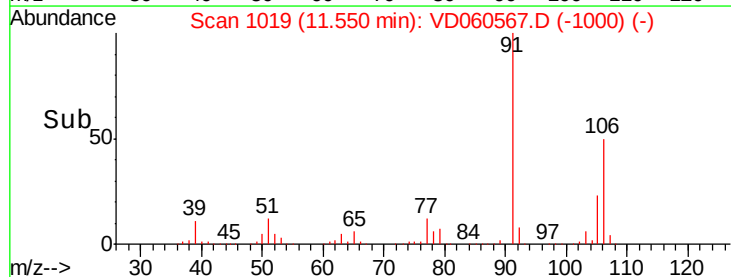
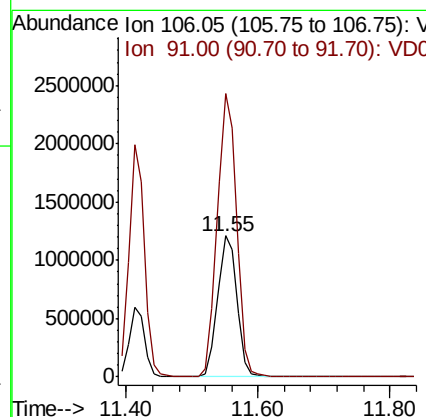
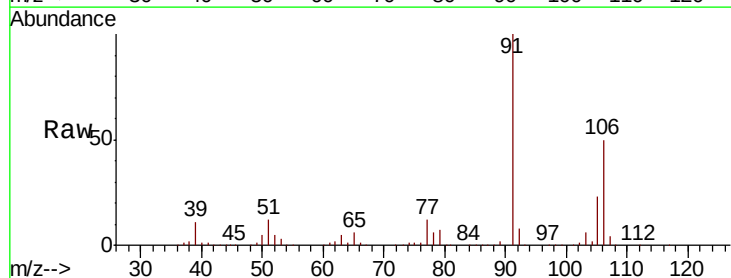
Instrument :
MSVOA_D
ClientSampled :

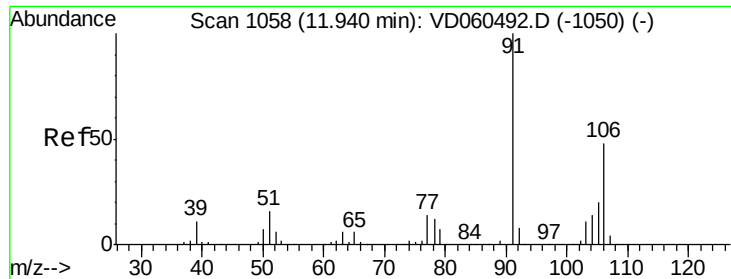
Tot Ion: 91 Resp: 3285721
Ion Ratio Lower Upper
91 100
106 29.9 24.6 37.0



#68
m/p-Xylenes
Concen: 103.916 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Tgt Ion: 106 Resp: 2429692
Ion Ratio Lower Upper
106 100
91 200.8 160.5 240.7

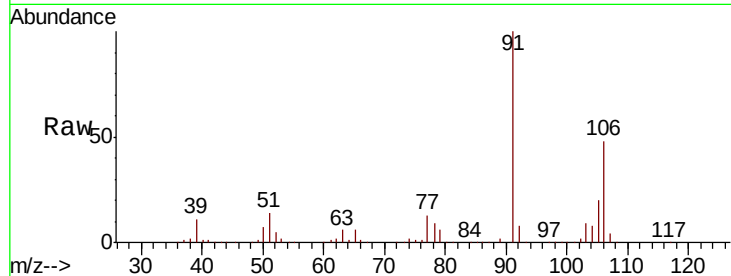




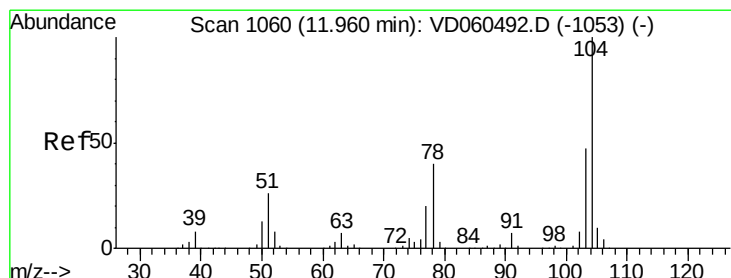
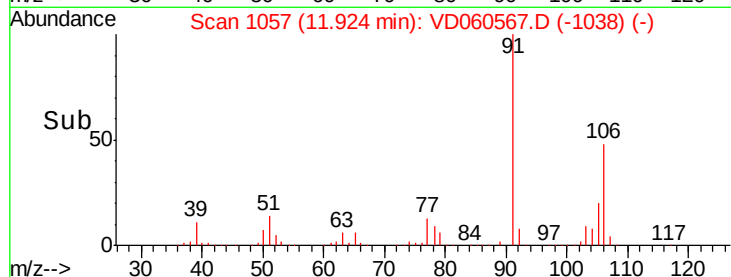
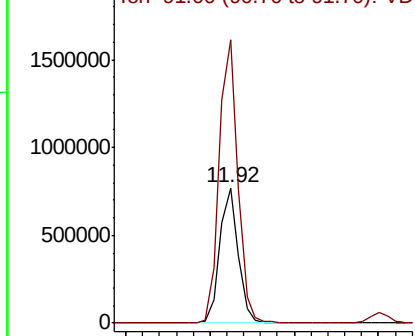
#69
o-Xylene
Concen: 52.334 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 1166139
Ion Ratio Lower Upper
106 100
91 209.6 103.4 310.1

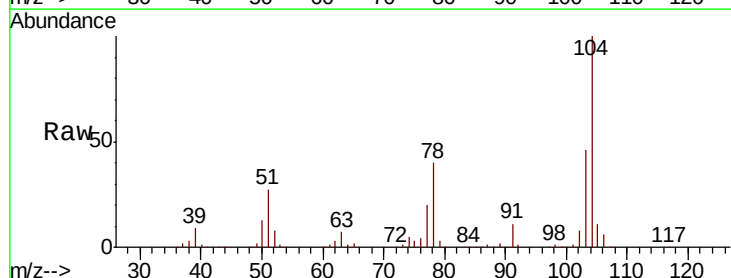


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

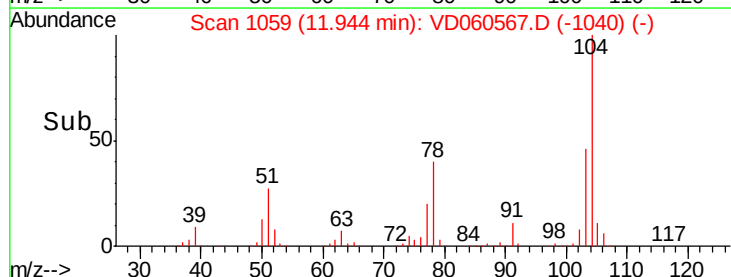
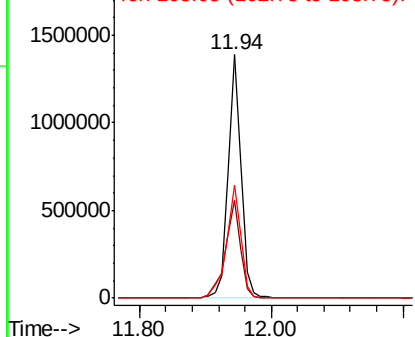


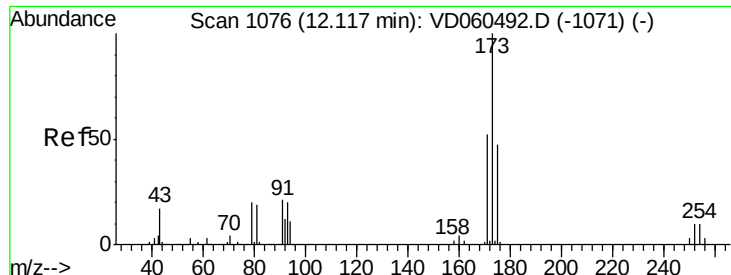
#70
Styrene
Concen: 53.589 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Tgt Ion:104 Resp: 1916651
Ion Ratio Lower Upper
104 100
78 40.1 32.1 48.1
103 46.4 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

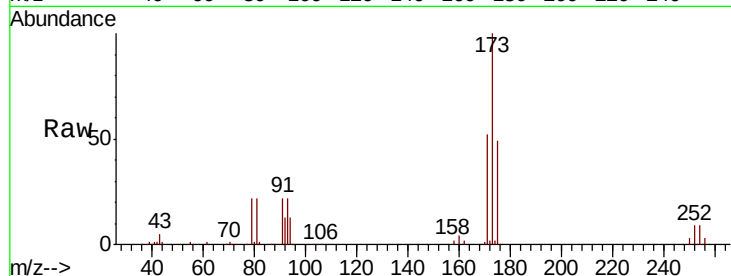




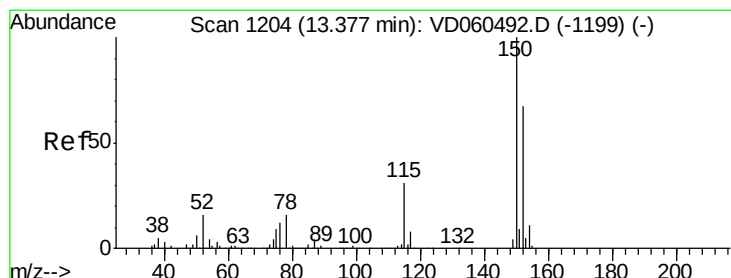
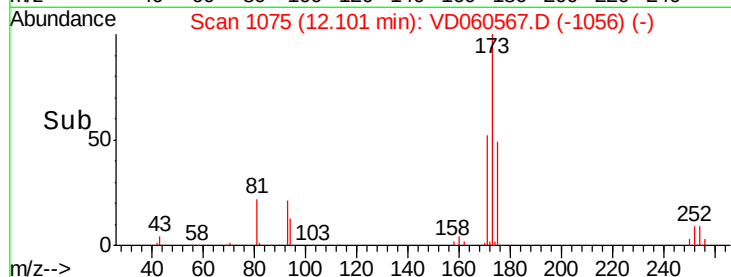
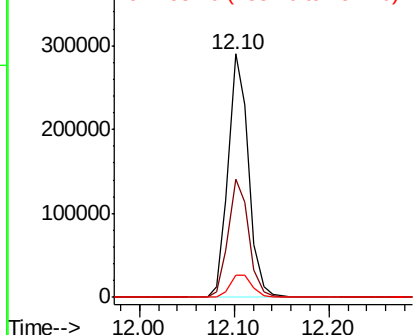
#71
Bromoform
Concen: 54.179 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 431677
Ion Ratio Lower Upper
173 100
175 48.6 23.5 70.6
254 9.0 7.8 11.8

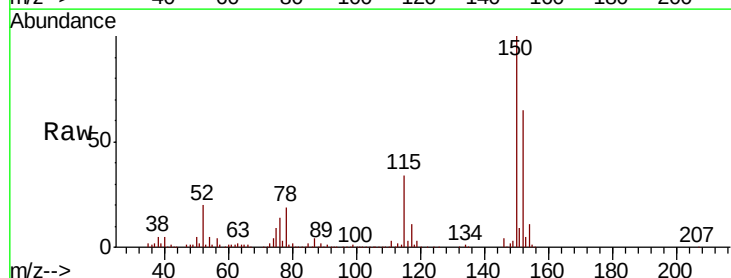


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

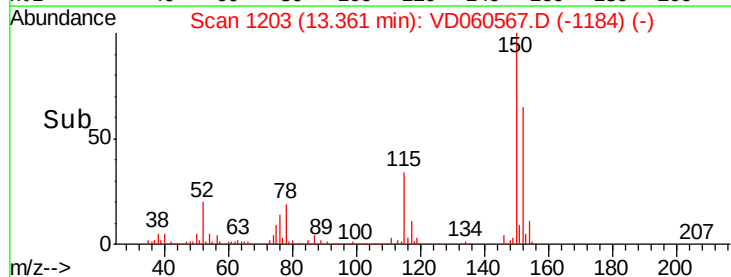
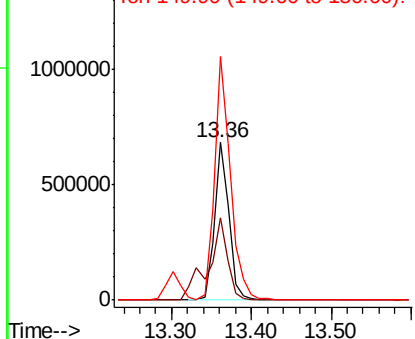


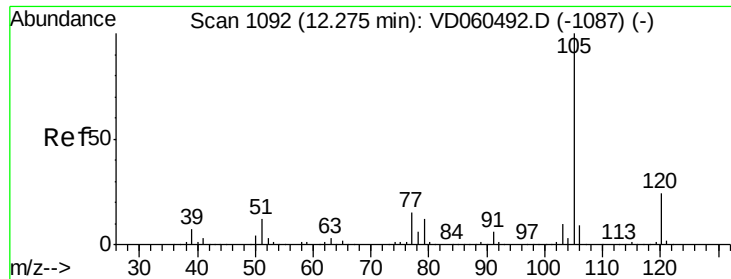
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Tgt Ion:152 Resp: 864853
Ion Ratio Lower Upper
152 100
115 52.0 24.6 74.0
150 154.7 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: 53.575 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

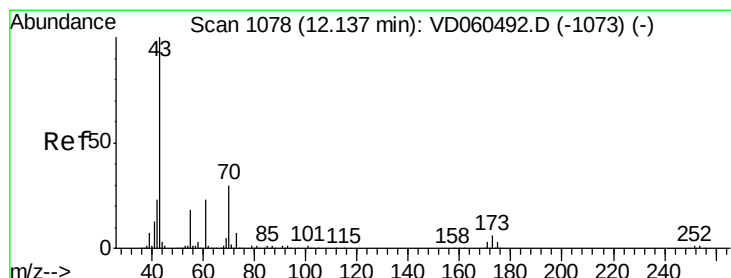
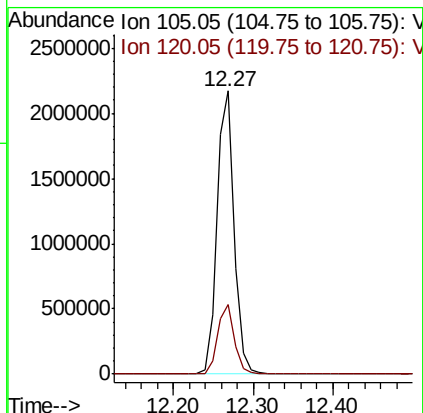
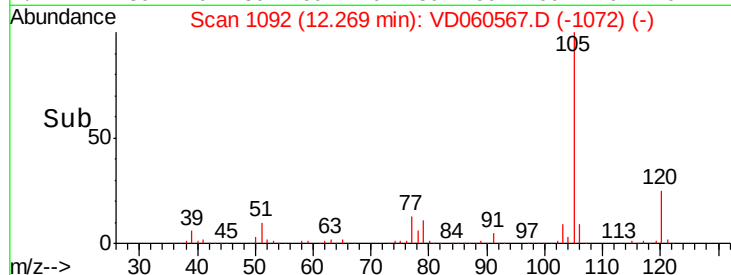
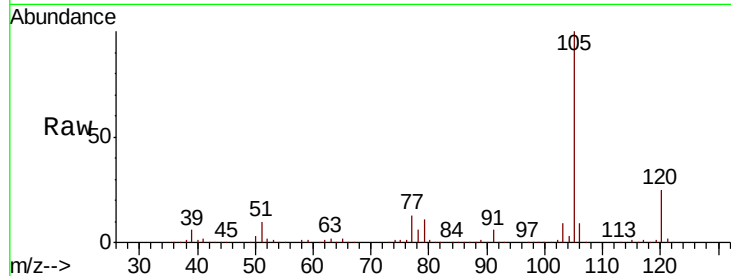
ClientSampleId :

Tot Ion:105 Resp: 3278804

Ion Ratio Lower Upper

105 100

120 24.8 11.9 35.9



#74

N-ethyl acetate

Concen: 54.516 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Tgt Ion: 43 Resp: 806348

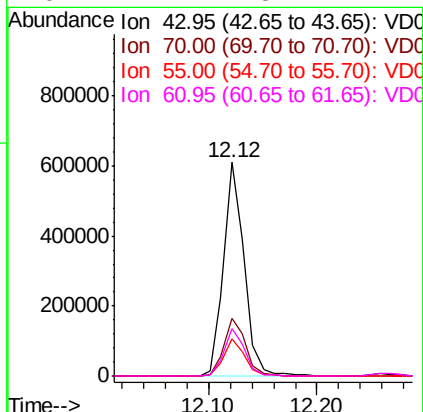
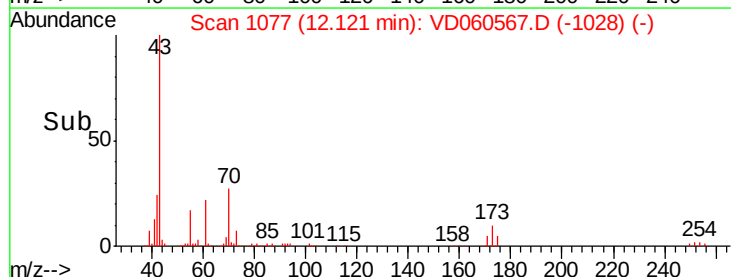
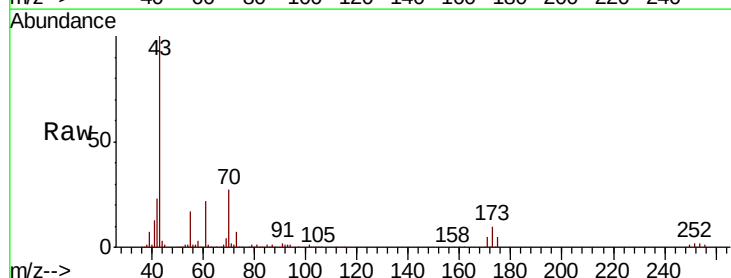
Ion Ratio Lower Upper

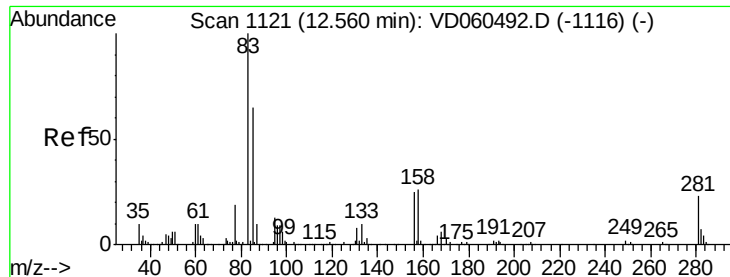
43 100

70 27.1 23.8 35.8

55 17.4 14.2 21.2

61 22.2 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 53.737 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

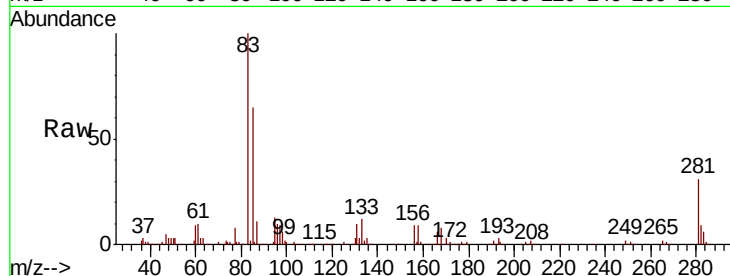
Tot Ion: 83 Resp: 526494

Ion Ratio Lower Upper

83 100

131 9.5 3.8 11.4

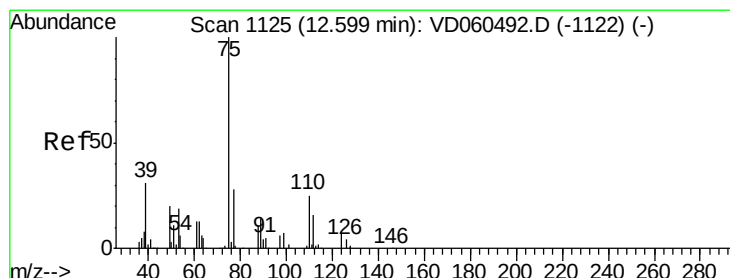
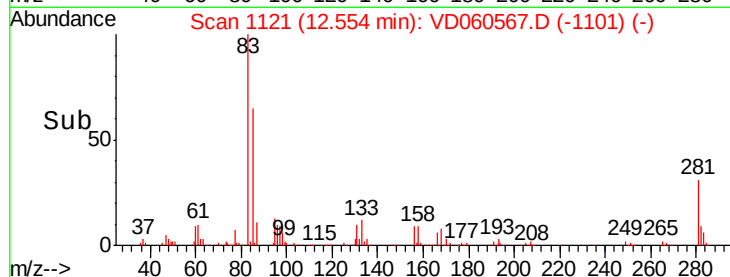
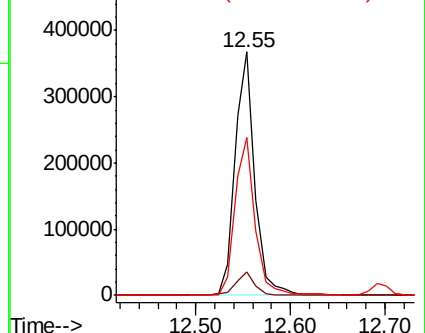
85 64.8 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 54.560 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD060567.D

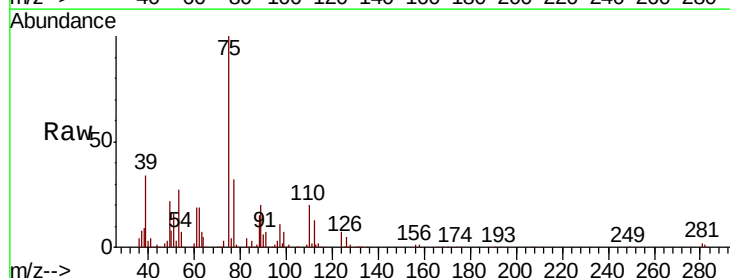
Acq: 14 Dec 2018 12:00

Tgt Ion: 75 Resp: 534646

Ion Ratio Lower Upper

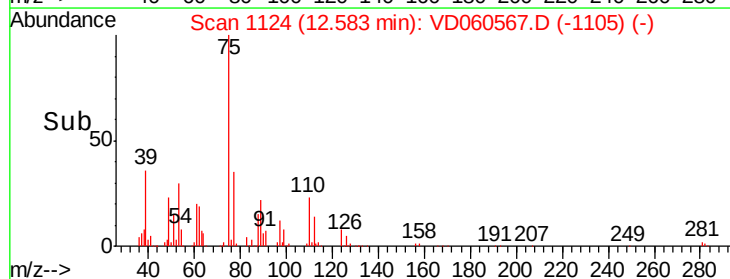
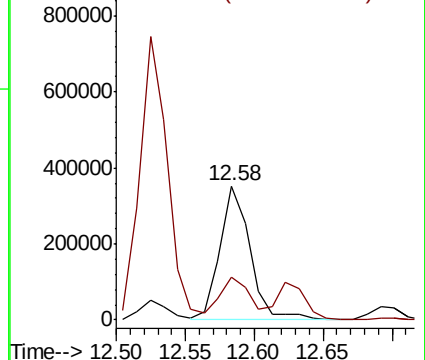
75 100

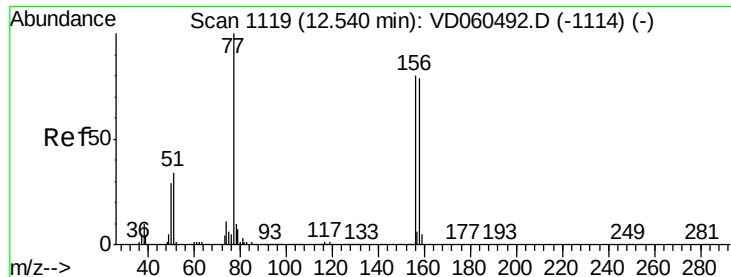
77 32.3 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.092 ug/l

RT: 12.52 min Scan# 1118

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

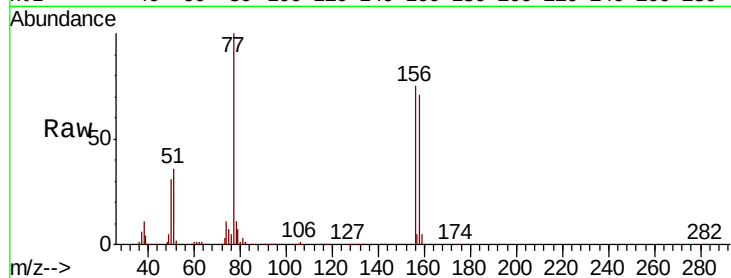
Tot Ion:156 Resp: 870160

Ion Ratio Lower Upper

156 100

77 134.0 62.5 187.6

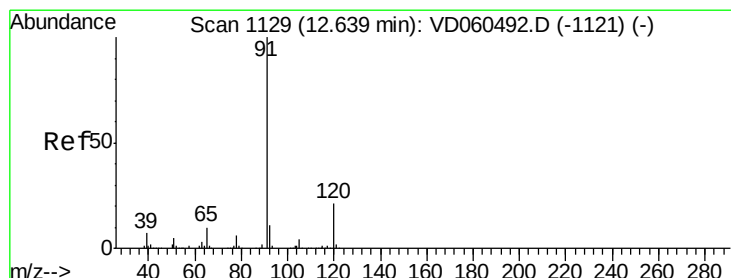
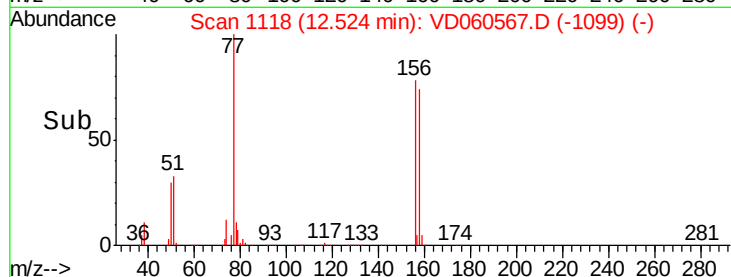
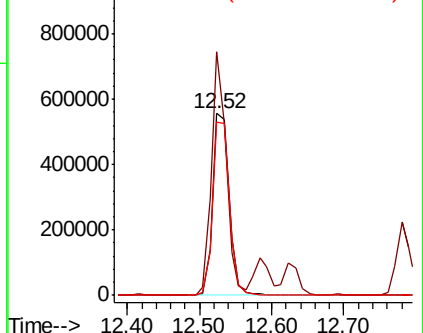
158 95.6 49.4 148.2



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: 51.852 ug/l

RT: 12.62 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060567.D

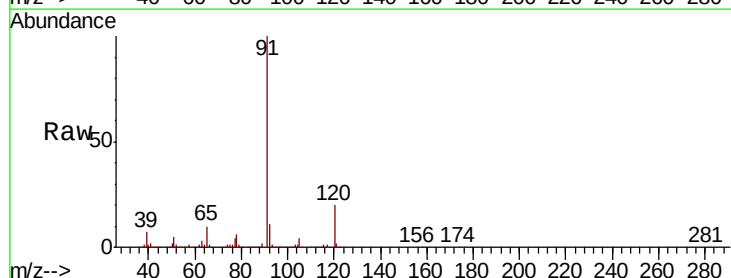
Acq: 14 Dec 2018 12:00

Tgt Ion: 91 Resp: 4011427

Ion Ratio Lower Upper

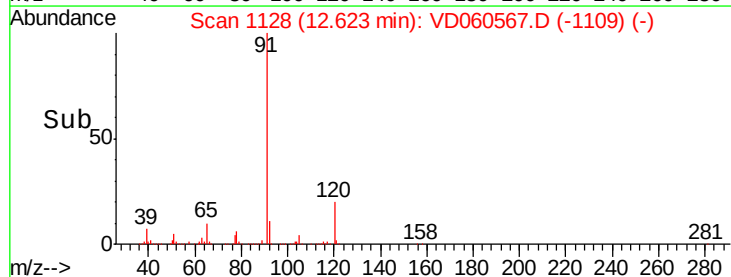
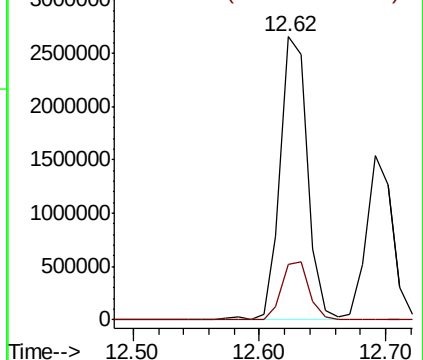
91 100

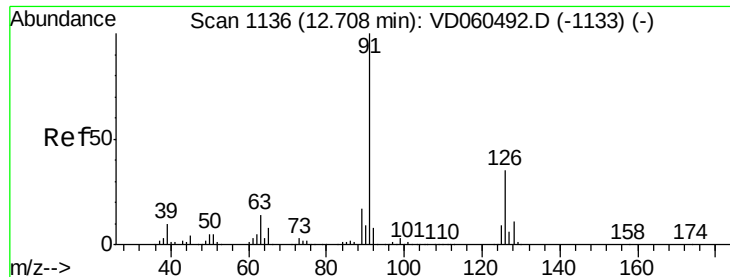
120 19.6 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 52.682 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

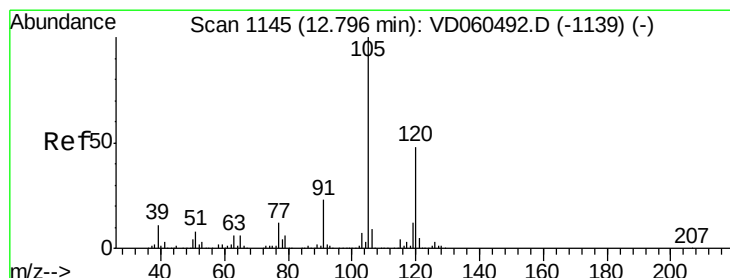
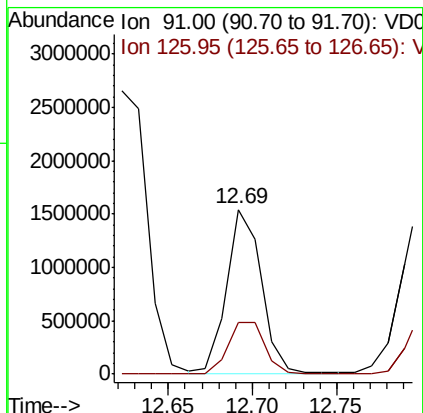
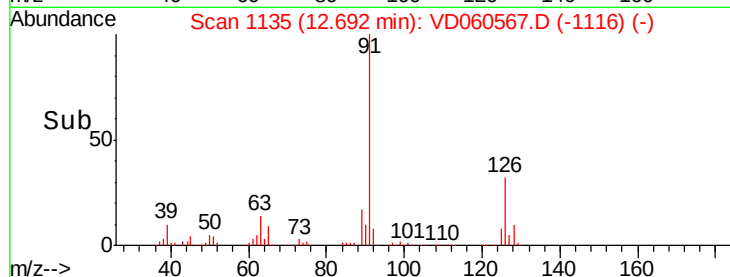
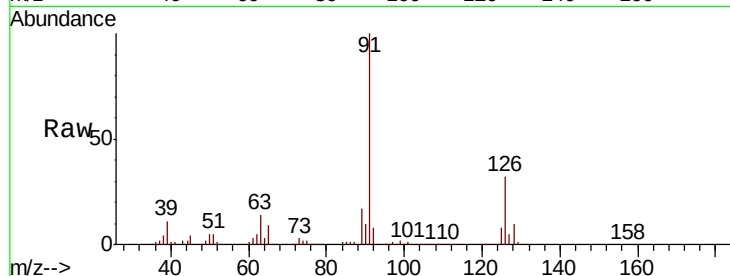
ClientSampleId :

Tot Ion: 91 Resp: 2211572

Ion Ratio Lower Upper

91 100

126 31.7 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 52.643 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VD060567.D

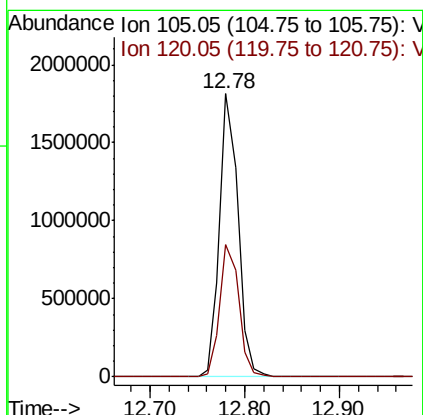
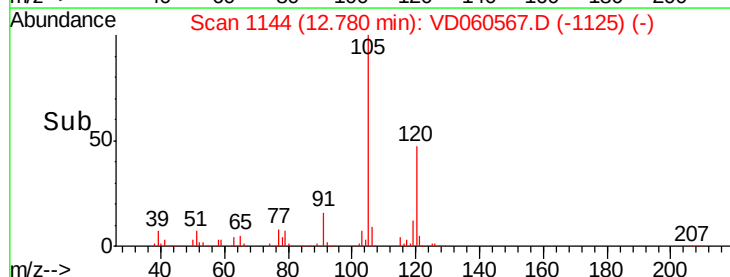
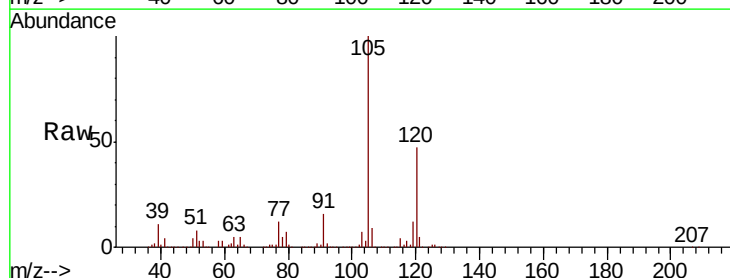
Acq: 14 Dec 2018 12:00

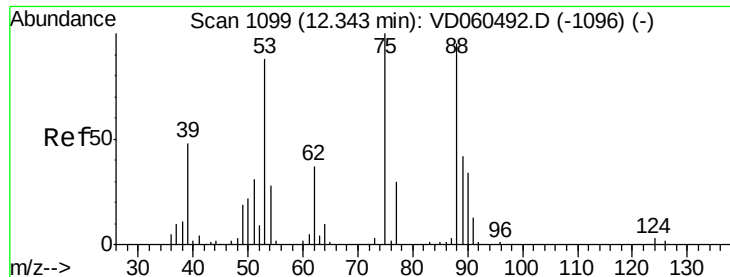
Tgt Ion:105 Resp: 2461825

Ion Ratio Lower Upper

105 100

120 46.7 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 56.948 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

ClientSampled :

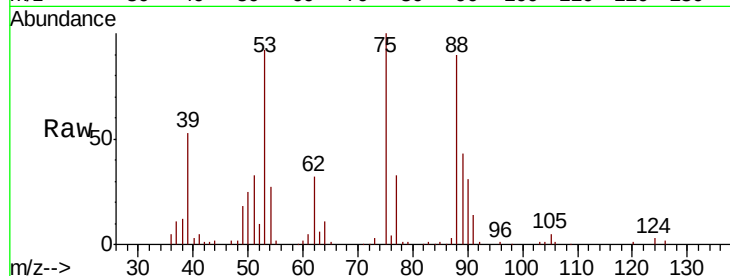
Tot Ion: 75 Resp: 155643

Ion Ratio Lower Upper

75 100

53 91.8 70.5 105.7

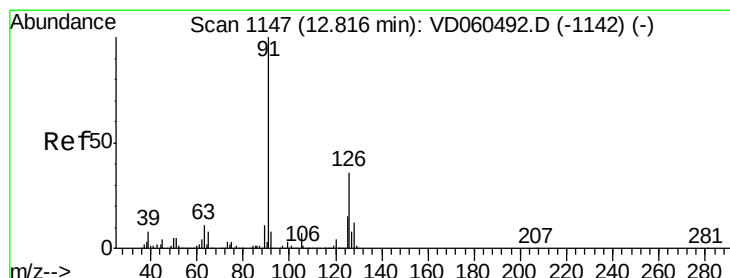
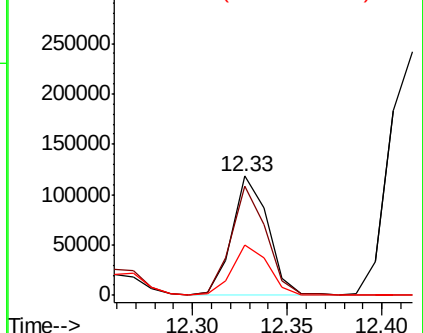
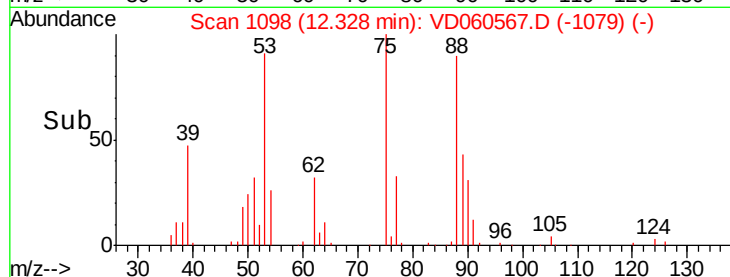
89 42.8 33.6 50.4



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: 52.328 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.02 min

Lab File: VD060567.D

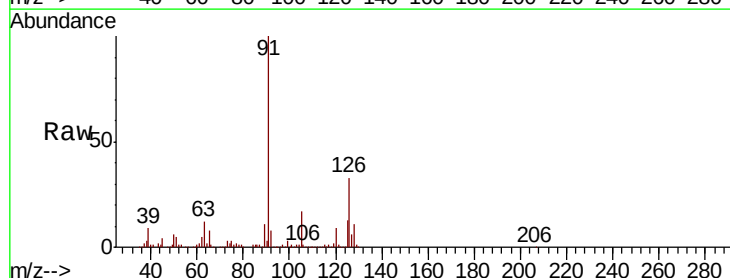
Acq: 14 Dec 2018 12:00

Tgt Ion: 91 Resp: 2467244

Ion Ratio Lower Upper

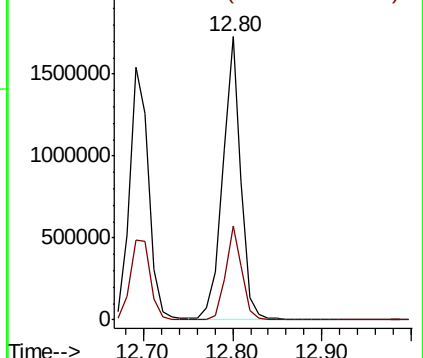
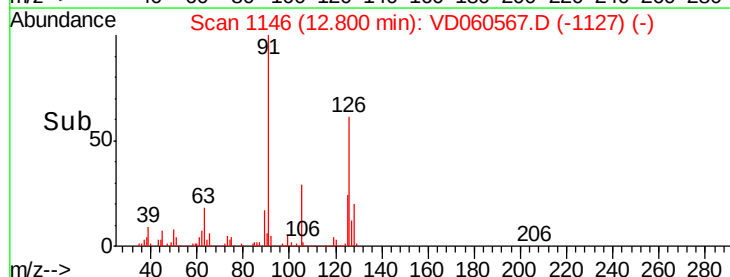
91 100

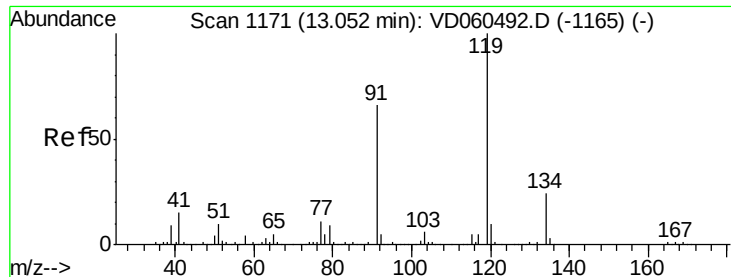
126 33.3 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

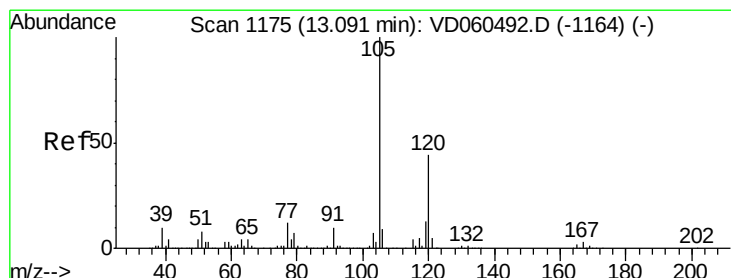
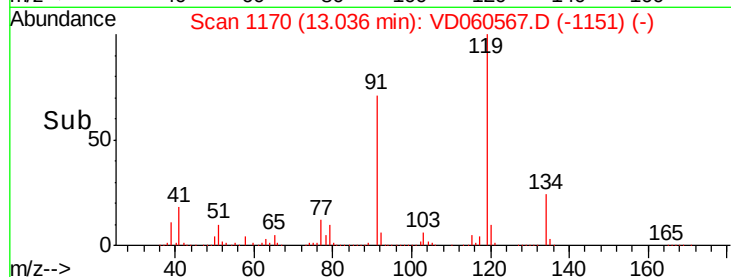
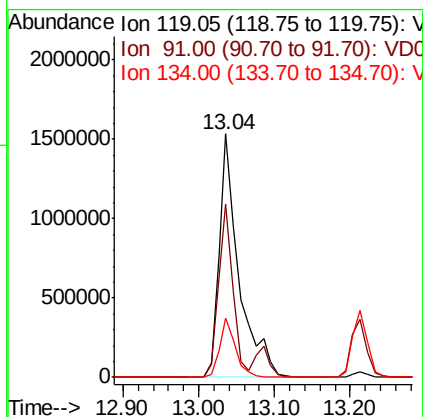
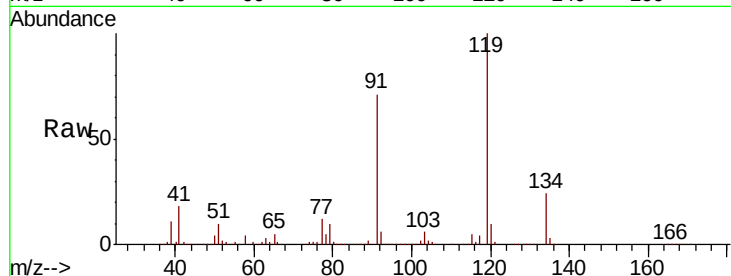




#83
 tert-Butylbenzene
 Concen: 53.592 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

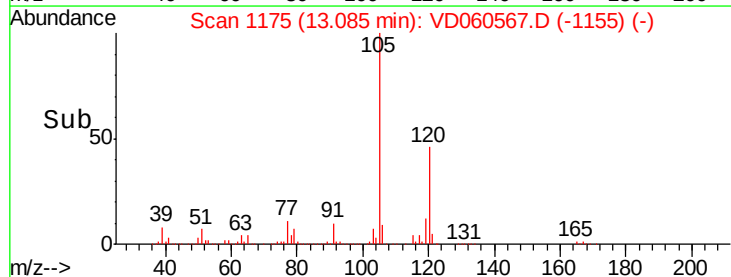
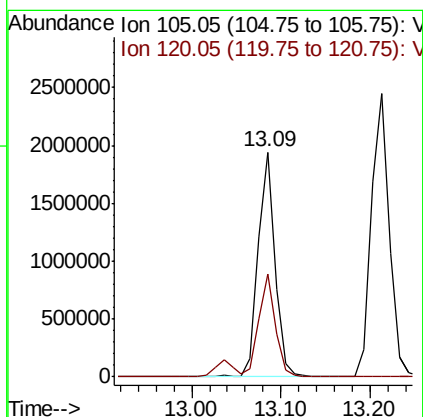
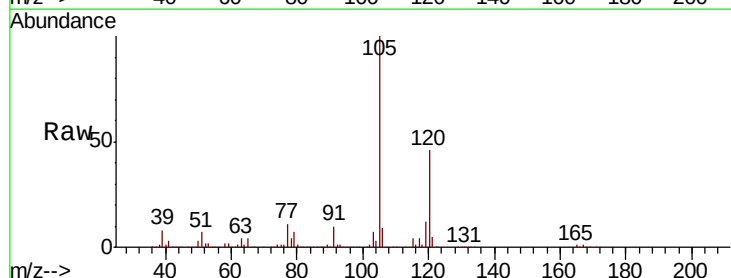
Instrument :
 MSVOA_D
 ClientSampleId :

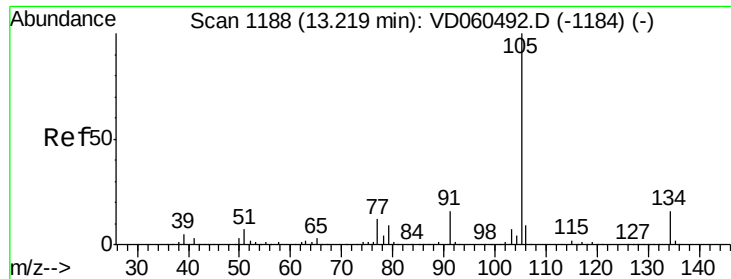
Tot Ion:119 Resp: 2810003
 Ion Ratio Lower Upper
 119 100
 91 71.2 33.1 99.2
 134 24.2 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 52.025 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

Tgt Ion:105 Resp: 2519117
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.3 66.8





#85

sec-Butylbenzene

Concen: 51.378 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA_D

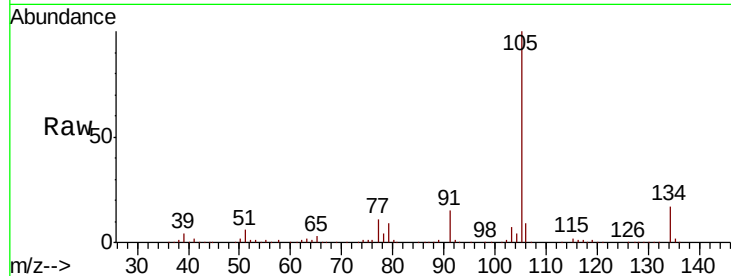
ClientSampleId :

Tot Ion:105 Resp: 3357623

Ion Ratio Lower Upper

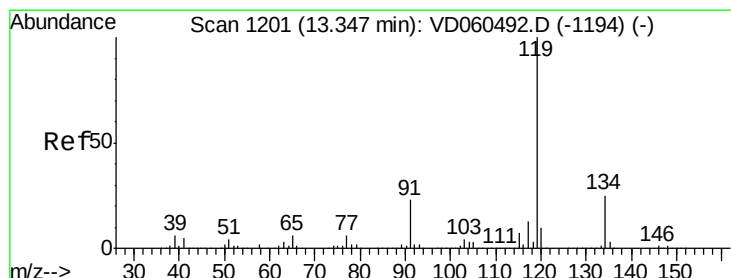
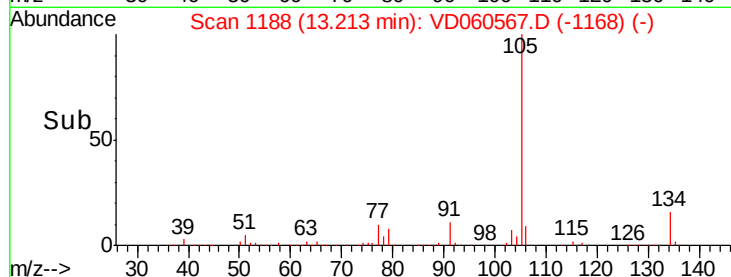
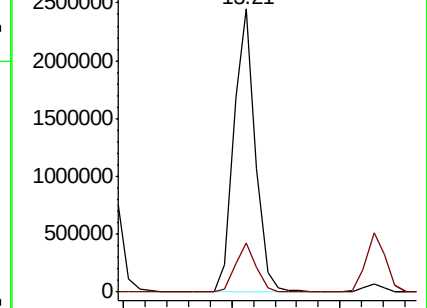
105 100

134 17.2 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: 50.288 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

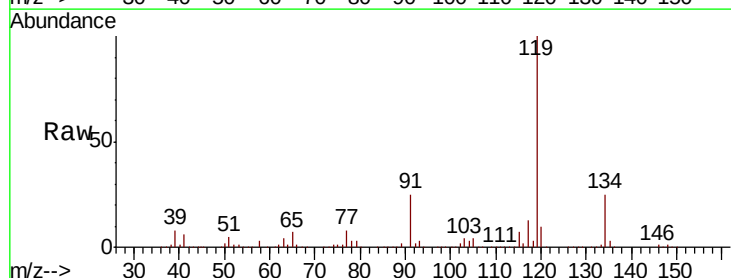
Tgt Ion:119 Resp: 2605184

Ion Ratio Lower Upper

119 100

134 25.0 12.5 37.5

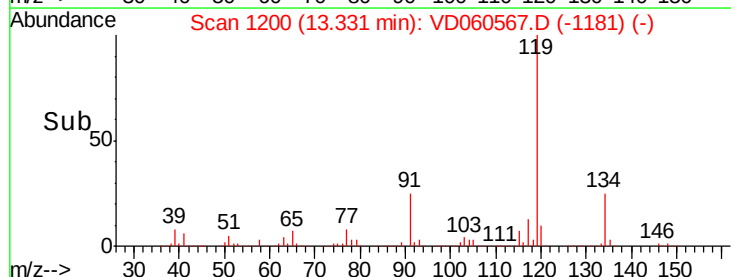
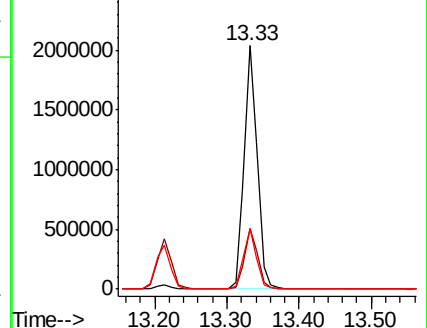
91 24.7 11.5 34.4

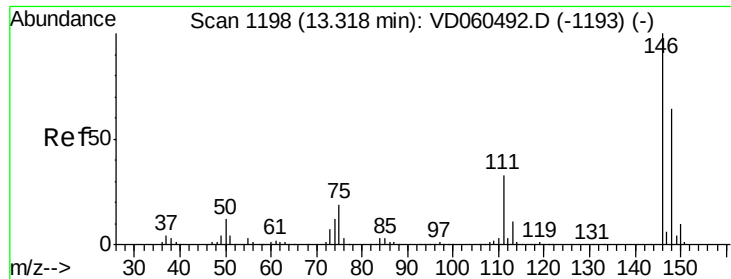


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

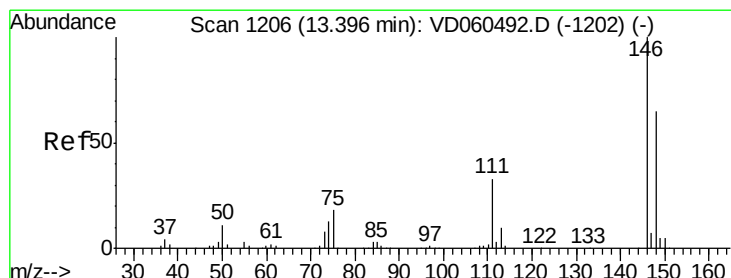
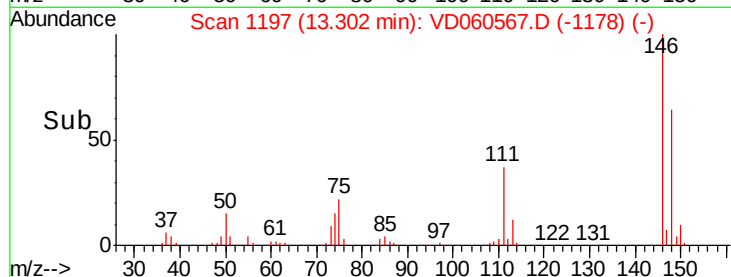
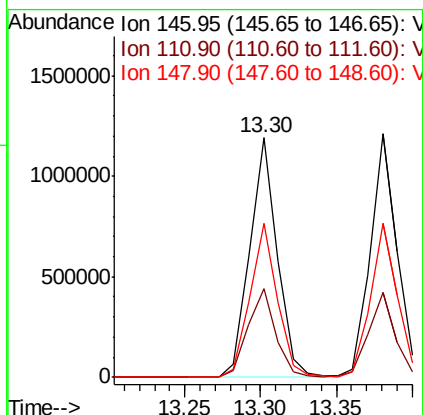
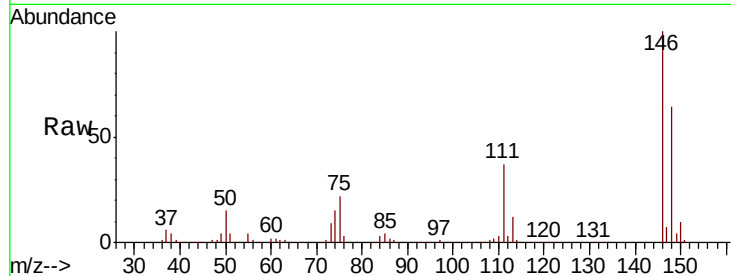




#87
 1,3-Dichlorobenzene
 Concen: 51.740 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

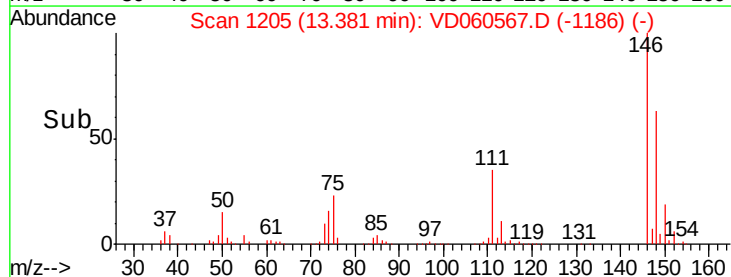
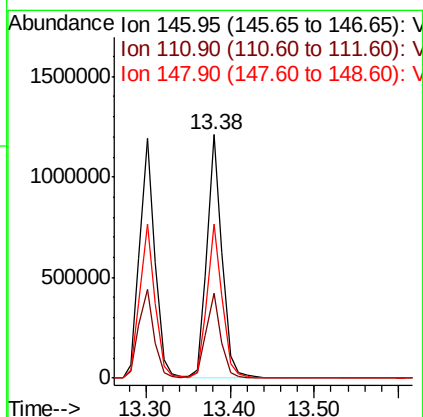
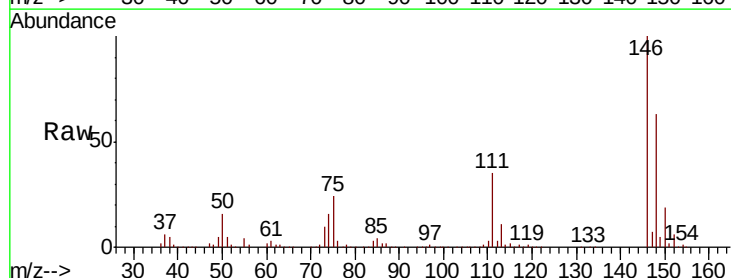
Instrument :
 MSVOA_D
 ClientSampleId :

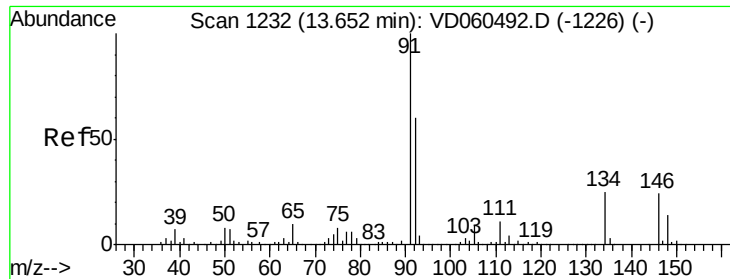
Tot Ion:146 Resp: 1507003
 Ion Ratio Lower Upper
 146 100
 111 37.0 16.5 49.5
 148 64.2 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 52.738 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

Tgt Ion:146 Resp: 1506920
 Ion Ratio Lower Upper
 146 100
 111 35.0 16.4 49.1
 148 63.4 32.6 98.0

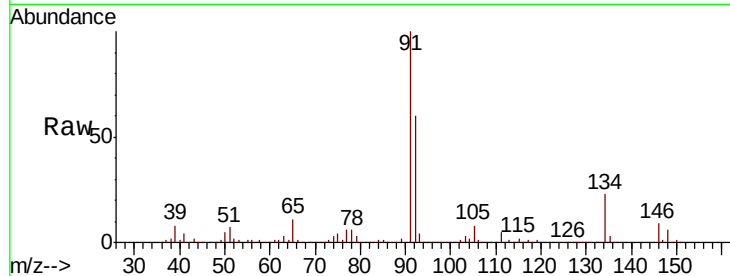




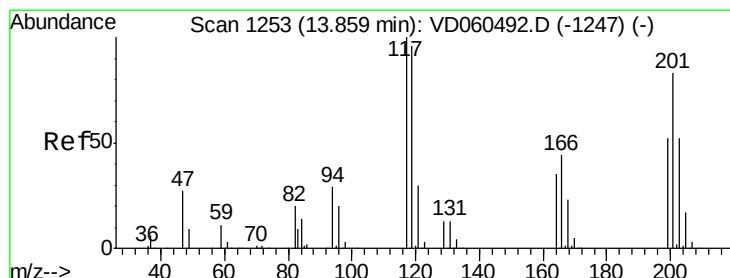
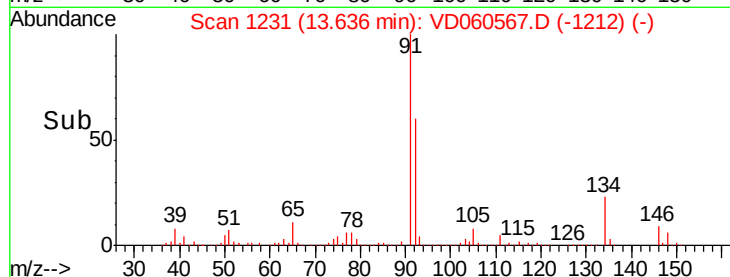
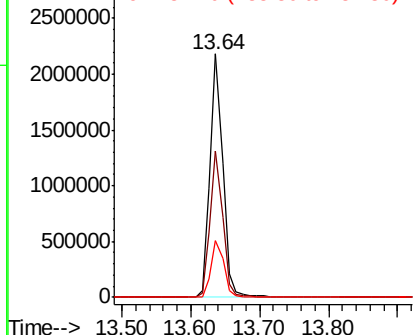
#89
n-Butylbenzene
Concen: 56.319 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 2816763
Ion Ratio Lower Upper
91 100
92 60.2 30.0 90.1
134 23.3 12.5 37.5

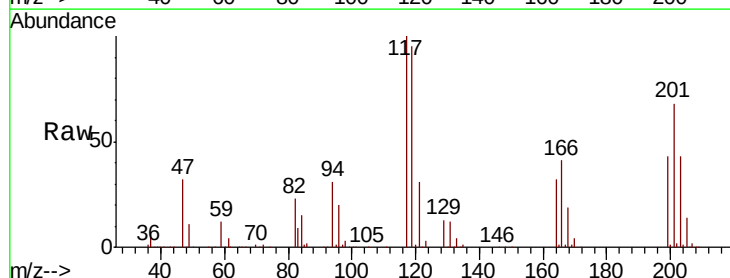


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

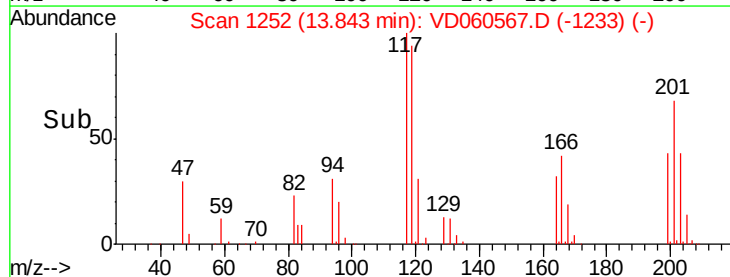
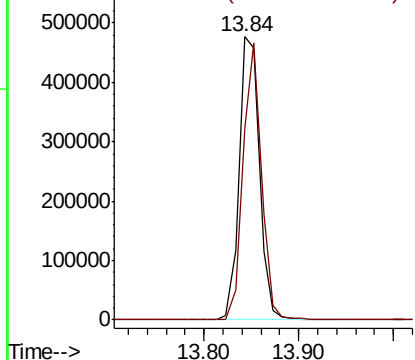


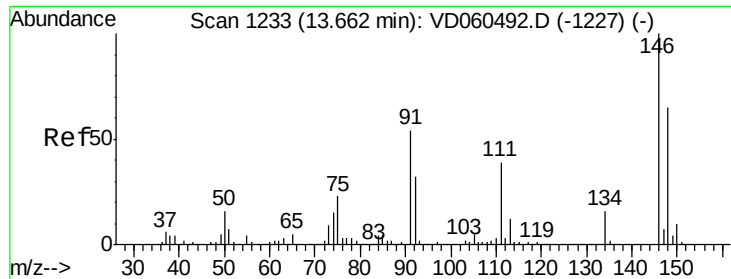
#90
Hexachloroethane
Concen: 54.709 ug/l
RT: 13.84 min Scan# 1252
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Tgt Ion: 117 Resp: 710611
Ion Ratio Lower Upper
117 100
201 67.6 41.3 123.9



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

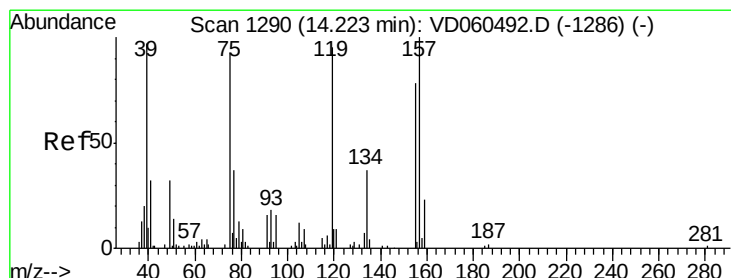
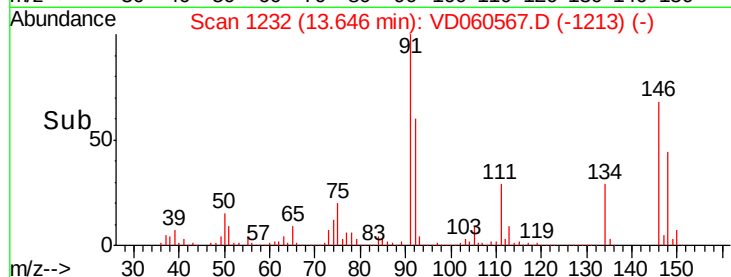
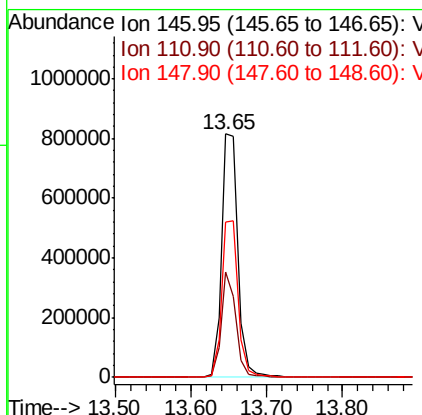
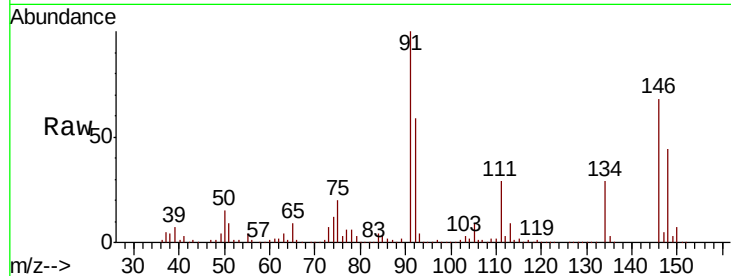




#91
 1,2-Dichlorobenzene
 Concen: 51.878 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

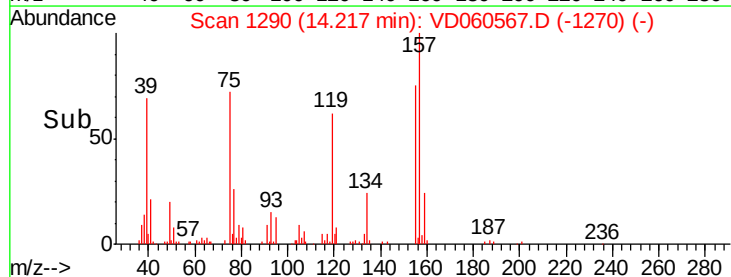
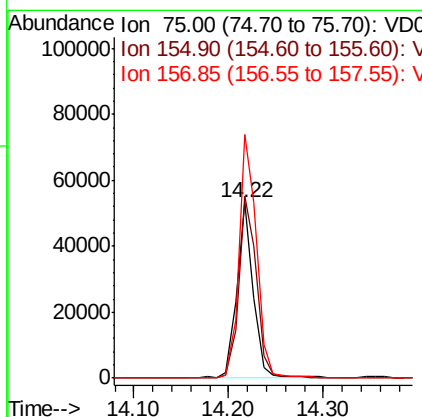
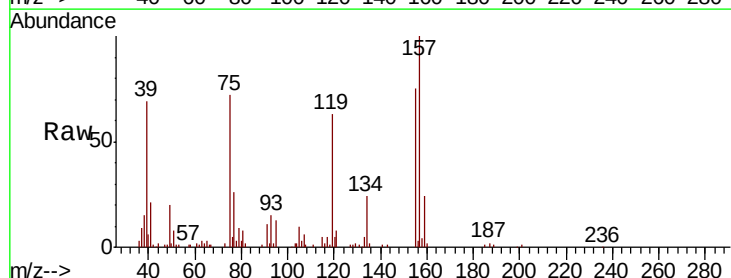
Instrument :
 MSVOA_D
 ClientSampled :

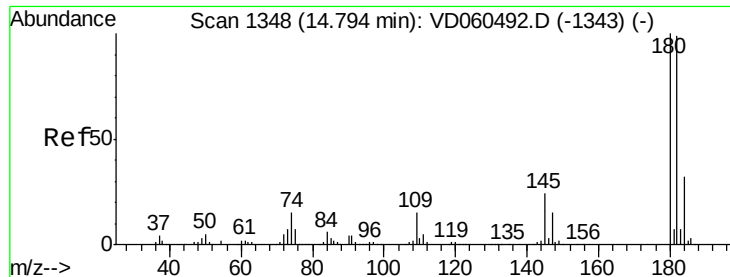
Tot Ion:146 Resp: 1234849
 Ion Ratio Lower Upper
 146 100
 111 43.2 19.3 57.8
 148 64.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.365 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

Tgt Ion: 75 Resp: 64540
 Ion Ratio Lower Upper
 75 100
 155 104.0 41.6 124.9
 157 138.6 53.6 160.8

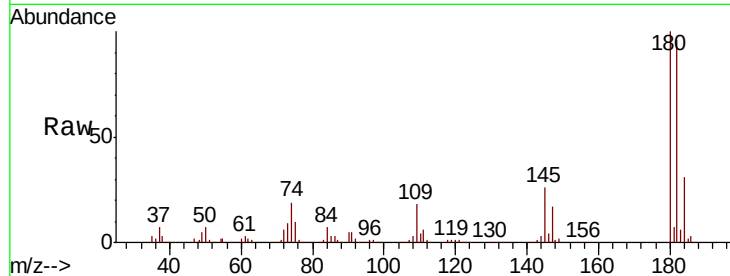




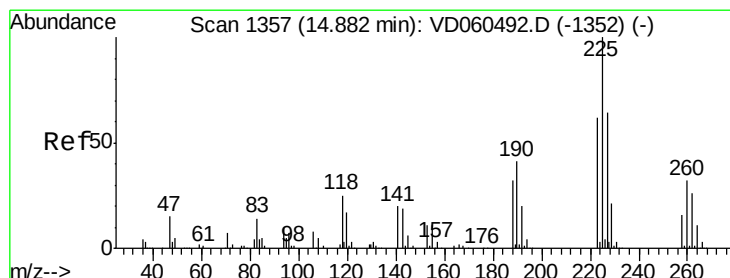
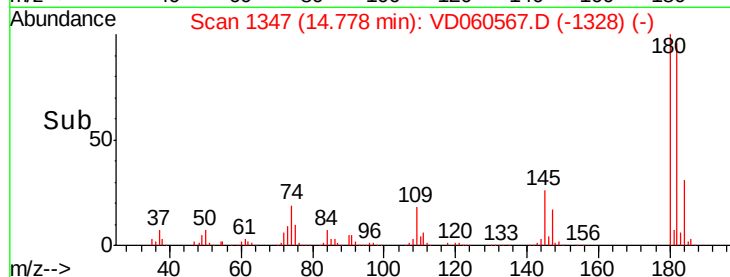
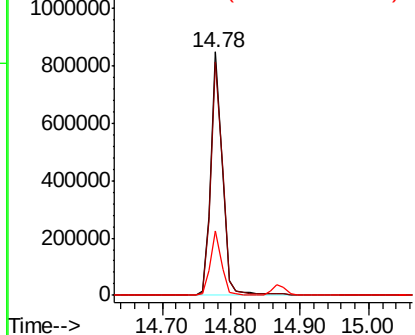
#93
 1,2,4-Trichlorobenzene
 Concen: 53.647 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	49.4	148.0
145	26.5	11.9	35.9

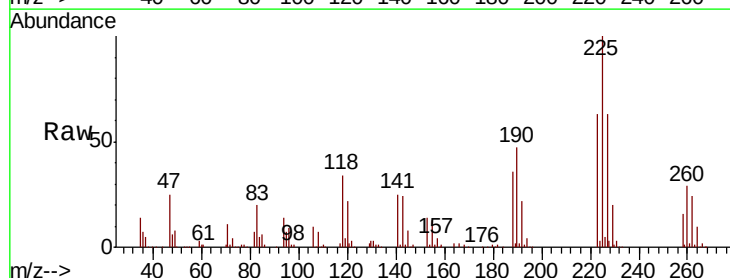


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

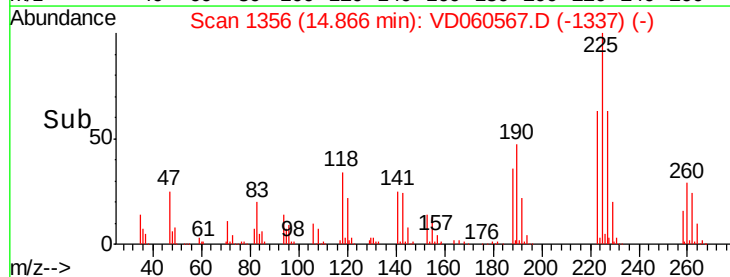
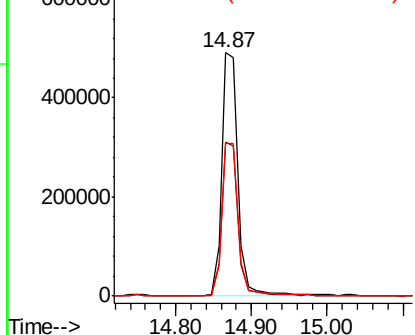


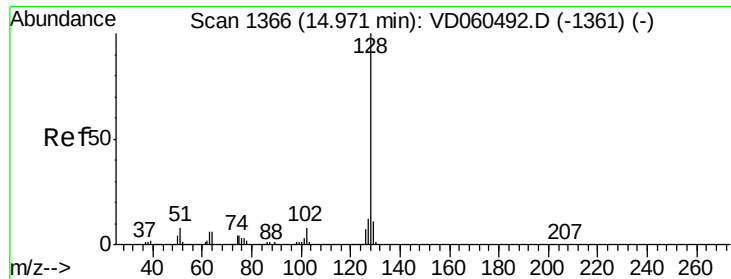
#94
 Hexachlorobutadiene
 Concen: 54.108 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.02 min
 Lab File: VD060567.D
 Acq: 14 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.2	93.6
227	62.6	32.0	96.0



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

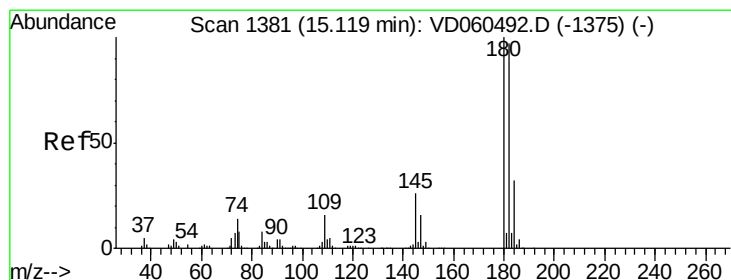
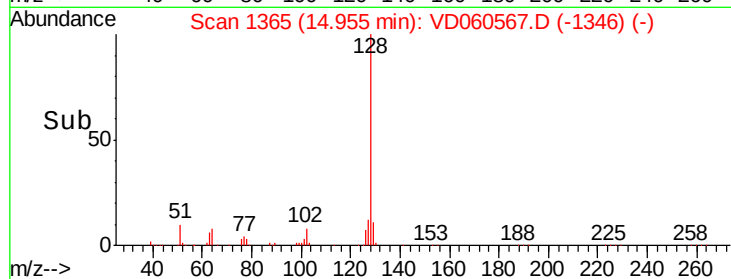
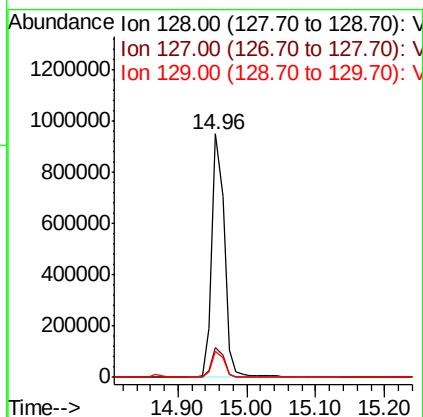
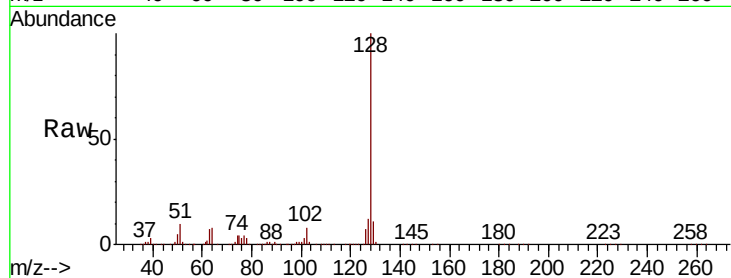




#95
Naphthalene
Concen: 54.906 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 1215414
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 54.614 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD060567.D
Acq: 14 Dec 2018 12:00

Tgt Ion:180 Resp: 809736
Ion Ratio Lower Upper
180 100
182 95.0 48.5 145.5
145 27.3 12.9 38.7

