

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\
 Data File : VD057969.D
 Acq On : 7 Jun 2018 14:01
 Operator : JC/SY
 Sample : VD0607SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

Quant Time: Jun 08 06:46:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1002294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1316174	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	1052672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	536713	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	455142	45.42	ug/l	0.00
Spiked Amount						
			Recovery	=		90.84%
35) Dibromofluoromethane	5.55	113	501512	49.25	ug/l	-0.01
Spiked Amount						
			Recovery	=		98.50%
50) Toluene-d8	8.71	98	1116209	46.10	ug/l	0.00
Spiked Amount						
			Recovery	=		92.20%
62) 4-Bromofluorobenzene	11.92	95	486788	46.09	ug/l	0.00
Spiked Amount						
			Recovery	=		92.18%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	289075	21.489	ug/l	98
3) Chloromethane	1.49	50	146402	22.098	ug/l	95
4) Vinyl Chloride	1.56	62	133962	20.889	ug/l	94
5) Bromomethane	1.79	94	49023	19.504	ug/l	94
6) Chloroethane	1.88	64	46486	18.373	ug/l	98
7) Trichlorofluoromethane	2.09	101	172522	19.680	ug/l	99
8) Diethyl Ether	2.35	74	35944	22.072	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.55	101	110386	21.111	ug/l	94
10) Methyl Iodide	2.69	142	136410	20.218	ug/l	94
11) Tert butyl alcohol	3.27	59	24632	91.762	ug/l #	91
12) 1,1-Dichloroethene	2.55	96	82587	20.545	ug/l	91
13) Acrolein	2.47	56	41682	108.424	ug/l	89
14) Allyl chloride	2.93	41	190561	20.550	ug/l	100
15) Acrylonitrile	3.36	53	156822	99.862	ug/l	97
16) Acetone	2.61	43	137179	95.021	ug/l	93
17) Carbon Disulfide	2.76	76	306870	21.073	ug/l	99
18) Methyl Acetate	2.94	43	50717	18.160	ug/l	99
19) Methyl tert-butyl Ether	3.41	73	356409	20.150	ug/l	98
20) Methylene Chloride	3.07	84	94113	22.424	ug/l	92
21) trans-1,2-Dichloroethene	3.39	96	186593	20.840	ug/l	94
22) Diisopropyl ether	4.07	45	744459	20.265	ug/l	94
23) Vinyl Acetate	4.02	43	1943044	102.366	ug/l	99
24) 1,1-Dichloroethane	3.97	63	413047	20.458	ug/l	100
25) 2-Butanone	4.84	43	328766	100.205	ug/l	96
26) 2,2-Dichloropropane	4.80	77	345701	20.785	ug/l	95
27) cis-1,2-Dichloroethene	4.80	96	212294	19.992	ug/l	97
28) Bromochloromethane	5.14	49	188638	21.587	ug/l	90
29) Tetrahydrofuran	5.18	42	179027	104.092	ug/l	99
30) Chloroform	5.32	83	415974	20.471	ug/l	97
31) Cyclohexane	5.58	56	337723	19.383	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	343854	20.210	ug/l	97
36) 1,1-Dichloropropene	5.74	75	304547	21.002	ug/l	96
37) Ethyl Acetate	4.92	43	165080	20.864	ug/l	98
38) Carbon Tetrachloride	5.72	117	298422	20.882	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	291336	20.267	ug/l	96
40) Benzene	6.01	78	665328	19.641	ug/l	98
41) Methacrylonitrile	5.12	41	85033	23.504	ug/l	97
42) 1,2-Dichloroethane	6.12	62	286879	20.946	ug/l	100
43) Isopropyl Acetate	7.61	43	215394	20.783	ug/l #	96
44) Trichloroethene	6.97	130	210967	21.321	ug/l	99
45) 1,2-Dichloropropane	7.35	63	192236	20.418	ug/l	96
46) Dibromomethane	7.46	93	124974	20.663	ug/l	97
47) Bromodichloromethane	7.74	83	287758	20.320	ug/l #	96
48) Methyl methacrylate	7.50	41	134974	21.160	ug/l	91
49) 1,4-Dioxane	7.48	88	19682	372.454	ug/l #	82
51) 4-Methyl-2-Pentanone	8.59	43	719627	108.255	ug/l	95
52) Toluene	8.79	92	394550	20.295	ug/l	95
53) t-1,3-Dichloropropene	9.18	75	256605	21.032	ug/l	96
54) cis-1,3-Dichloropropene	8.35	75	296707	20.642	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	129257	20.543	ug/l	97
56) Ethyl methacrylate	9.31	69	162158	21.010	ug/l	93
57) 1,3-Dichloropropane	9.66	76	227153	20.584	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.18	63	417333	107.026	ug/l	100
59) 2-Hexanone	9.78	43	524499	107.666	ug/l	100
60) Dibromochloromethane	9.95	129	183971	20.735	ug/l	99
61) 1,2-Dibromoethane	10.08	107	148553	20.530	ug/l	97
64) Tetrachloroethene	9.50	164	198604	21.104	ug/l	98
65) Chlorobenzene	10.71	112	463385	21.744	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.84	131	175793	21.471	ug/l	99
67) Ethyl Benzene	10.85	91	824339	21.411	ug/l	96
68) m/p-Xylenes	11.01	106	572465	45.611	ug/l	91
69) o-Xylene	11.40	106	270569	21.718	ug/l	100
70) Styrene	11.42	104	449694	21.804	ug/l	98
71) Bromoform	11.59	173	128608	20.880	ug/l	98
73) Isopropylbenzene	11.77	105	779059	21.915	ug/l	98
74) N-amyl acetate	11.64	43	276614	20.165	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	161076	20.782	ug/l	99
76) 1,2,3-Trichloropropane	12.10	75	169352	21.006	ug/l	99
77) Bromobenzene	12.03	156	224667	21.351	ug/l	91
78) n-propylbenzene	12.15	91	986821	21.333	ug/l	99
79) 2-Chlorotoluene	12.21	91	557220	21.115	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	598883	21.602	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	43073	21.570	ug/l	88
82) 4-Chlorotoluene	12.32	91	627237	22.703	ug/l	99
83) tert-Butylbenzene	12.57	119	671398	21.448	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	635822	21.330	ug/l	99
85) sec-Butylbenzene	12.75	105	764253	20.229	ug/l	99
86) p-Isopropyltoluene	12.88	119	653584	21.464	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	383991	21.573	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	362508	20.902	ug/l	95
89) n-Butylbenzene	13.19	91	672048	22.044	ug/l	99
90) Hexachloroethane	13.39	117	166020	21.362	ug/l	62
91) 1,2-Dichlorobenzene	13.18	146	306365	21.298	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	24562	20.533	ug/l	99

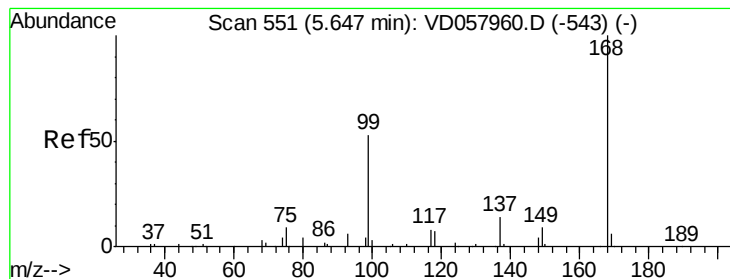
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	287000	21.356	ug/l	98
94) Hexachlorobutadiene	14.43	225	226023	21.382	ug/l	99
95) Naphthalene	14.51	128	369982	21.352	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	242586	21.181	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

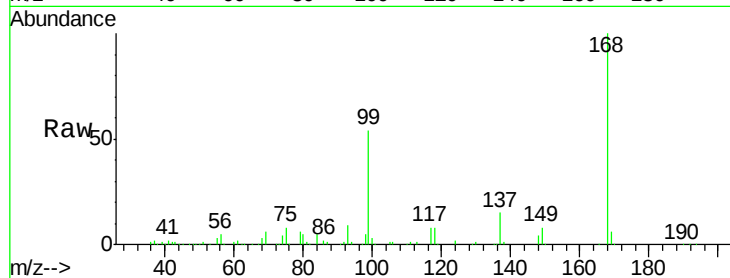
VD0607SBSD01

Tot Ion:168 Resp: 1002294

Ion Ratio Lower Upper

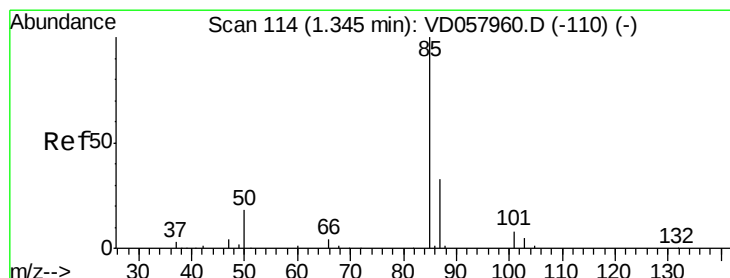
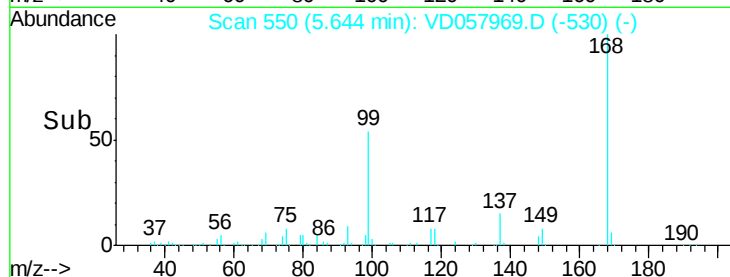
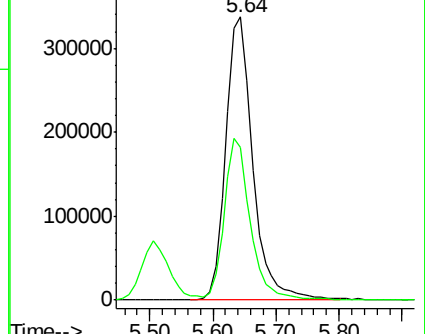
168 100

99 53.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.489 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD057969.D

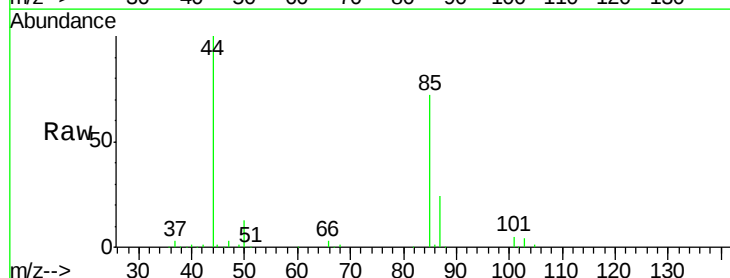
Acq: 7 Jun 2018 14:01

Tgt Ion: 85 Resp: 289075

Ion Ratio Lower Upper

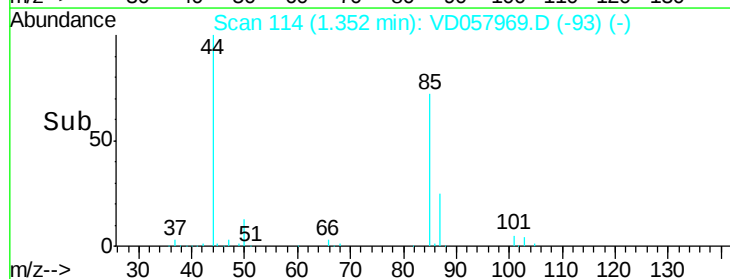
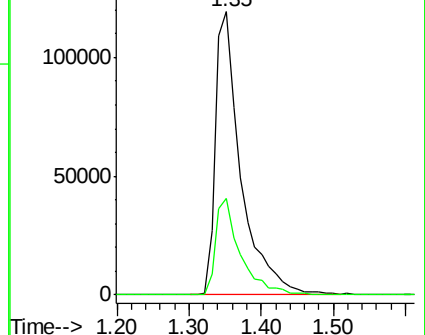
85 100

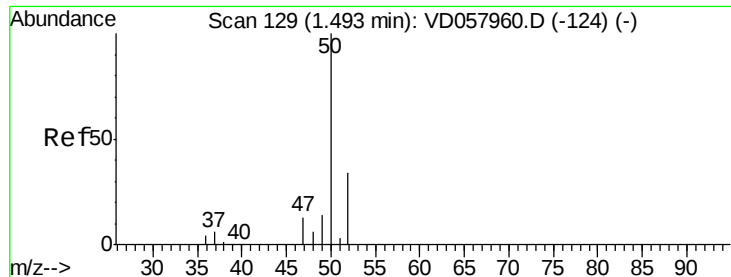
87 34.1 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

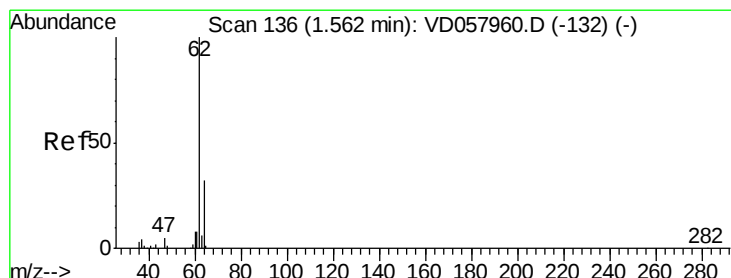
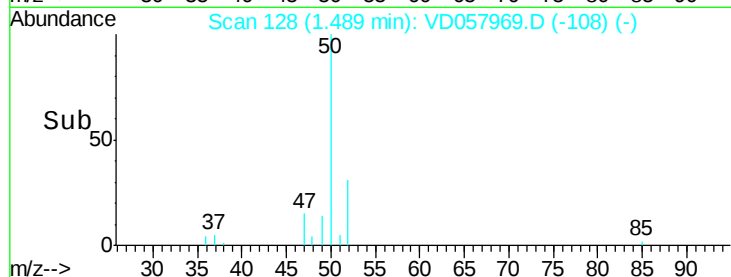
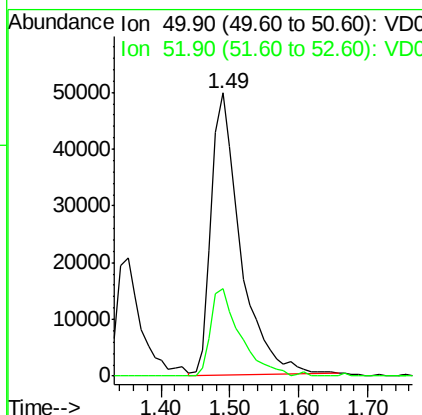
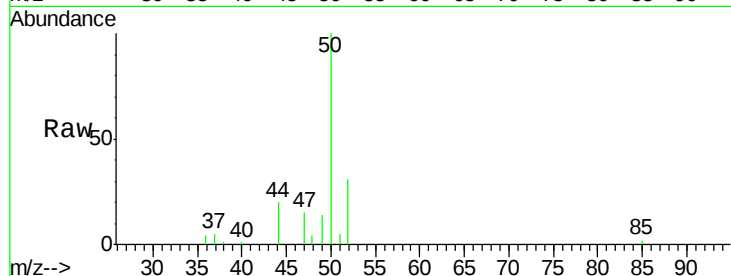




#3
Chloromethane
Concen: 22.098 ug/l
RT: 1.49 min Scan# 128
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

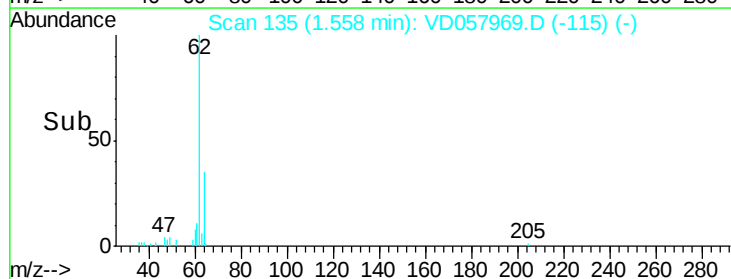
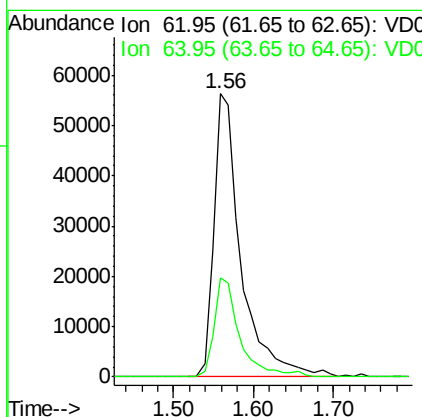
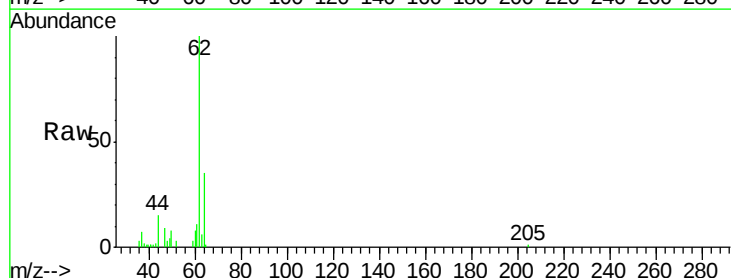
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

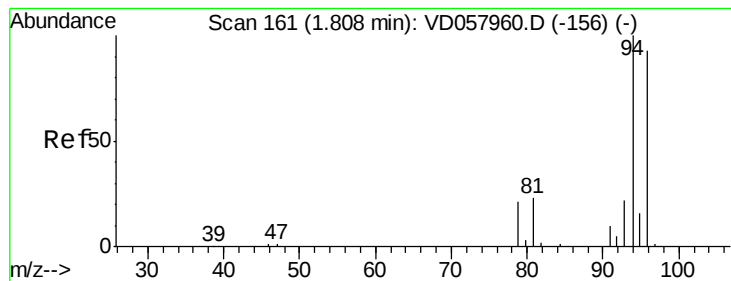
Tot Ion: 50 Resp: 146402
Ion Ratio Lower Upper
50 100
52 31.0 27.2 40.8



#4
Vinyl Chloride
Concen: 20.889 ug/l
RT: 1.56 min Scan# 135
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion: 62 Resp: 133962
Ion Ratio Lower Upper
62 100
64 35.0 25.4 38.2





#5

Bromomethane

Concen: 19.504 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

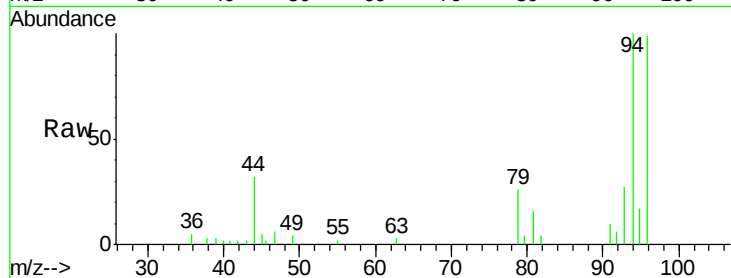
VD0607SBS01

Tot Ion: 94 Resp: 49023

Ion Ratio Lower Upper

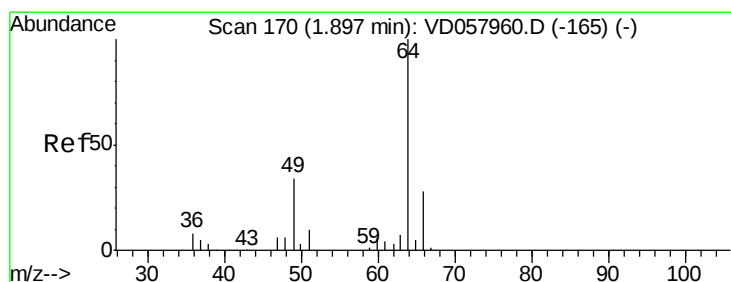
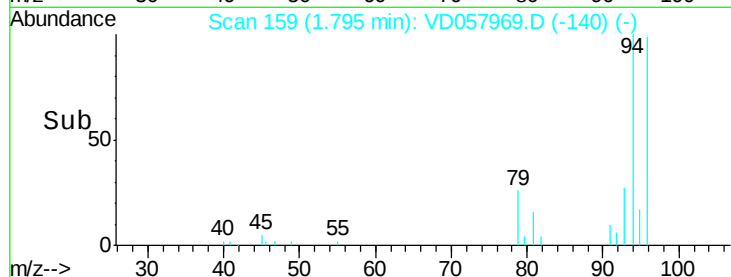
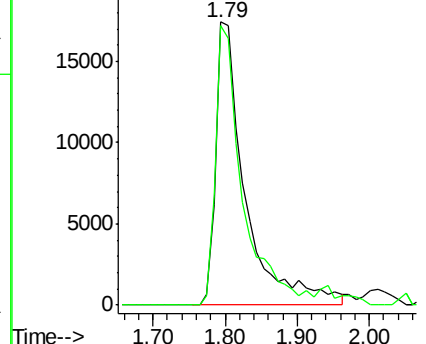
94 100

96 98.8 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.373 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD057969.D

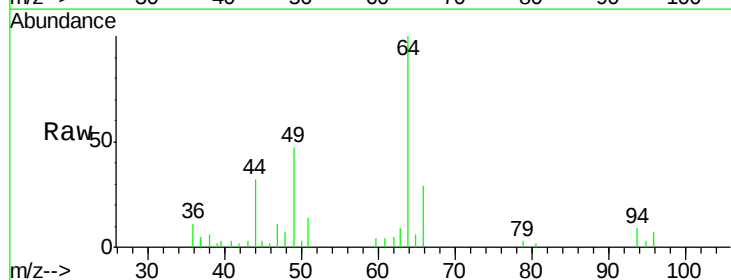
Acq: 7 Jun 2018 14:01

Tgt Ion: 64 Resp: 46486

Ion Ratio Lower Upper

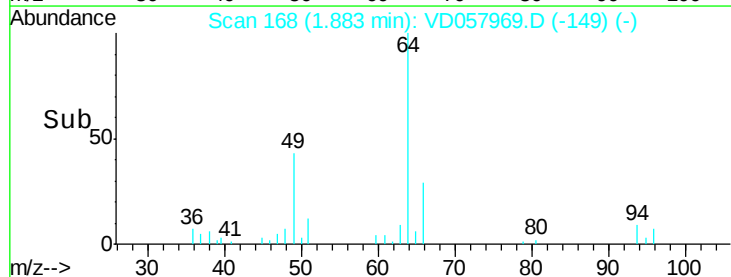
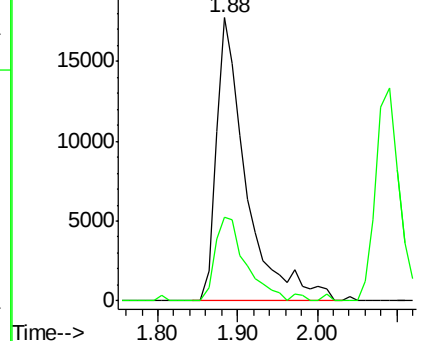
64 100

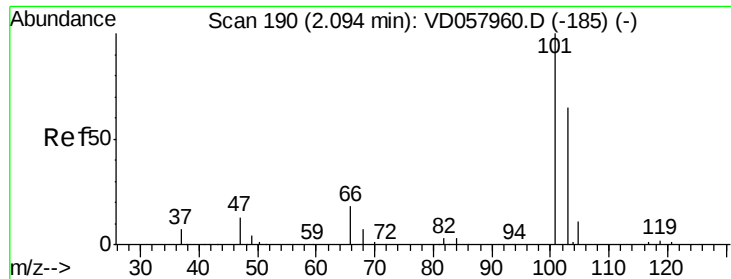
66 29.4 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



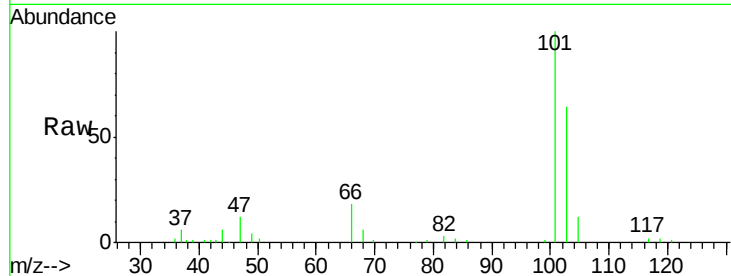


#7

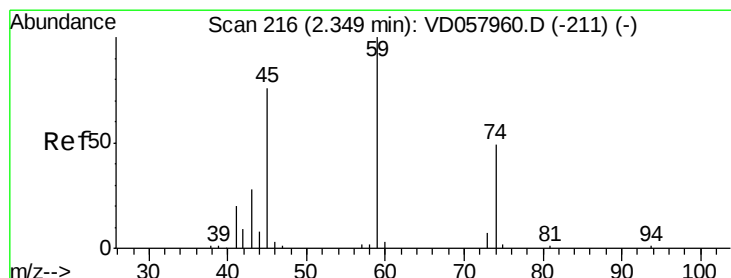
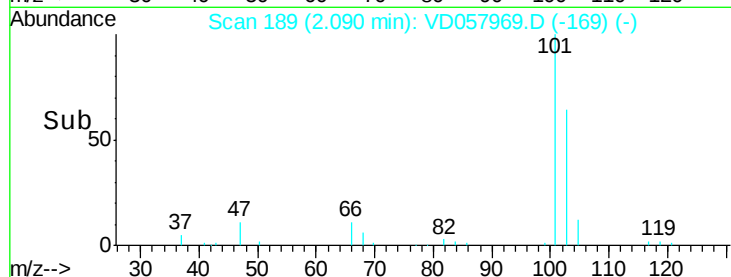
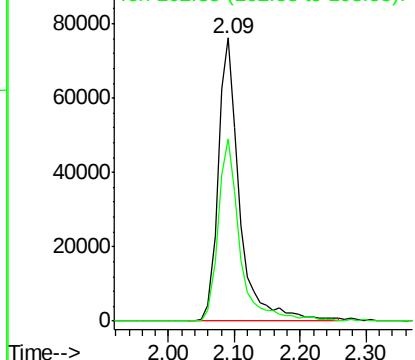
Trichlorofluoromethane
Concen: 19.680 ug/l
RT: 2.09 min Scan# 189
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD01

Tot Ion:101 Resp: 172522
Ion Ratio Lower Upper
101 100
103 64.4 52.4 78.6



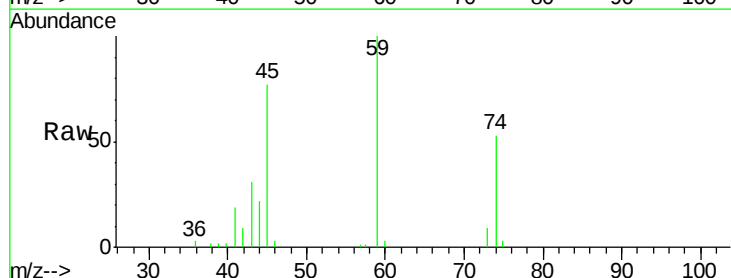
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



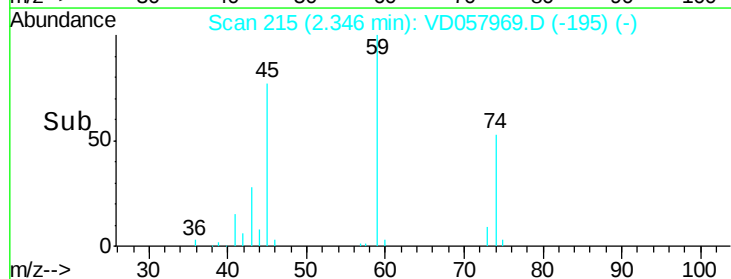
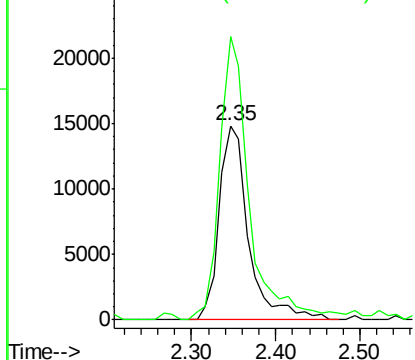
#8

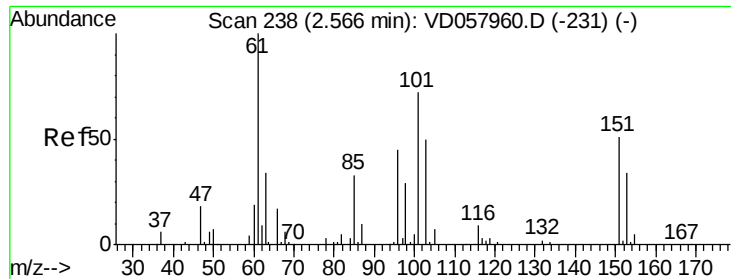
Diethyl Ether
Concen: 22.072 ug/l
RT: 2.35 min Scan# 215
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion: 74 Resp: 35944
Ion Ratio Lower Upper
74 100
45 145.7 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.111 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

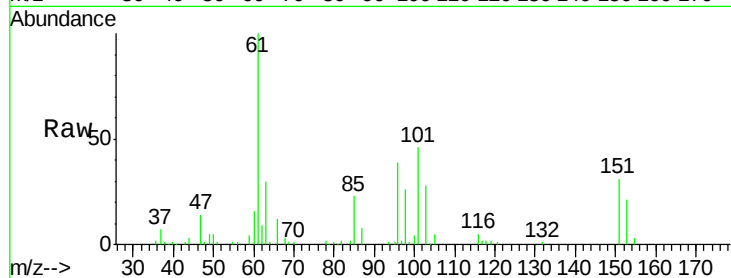
Tot Ion:101 Resp: 110386

Ion Ratio Lower Upper

101 100

85 51.4 37.3 55.9

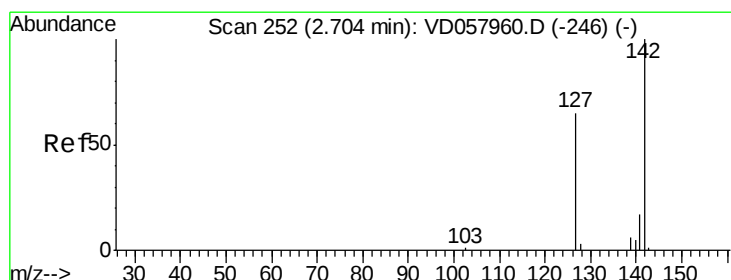
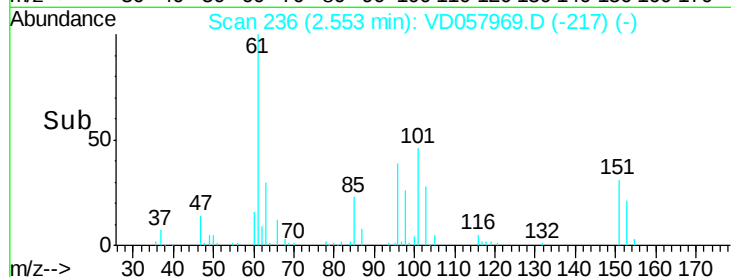
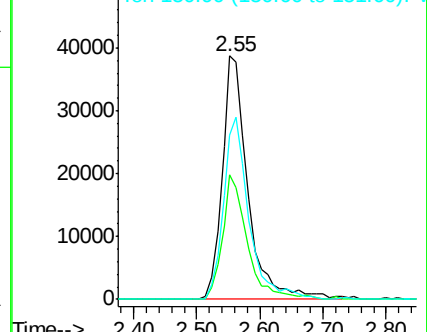
151 67.3 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.218 ug/l

RT: 2.69 min Scan# 250

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

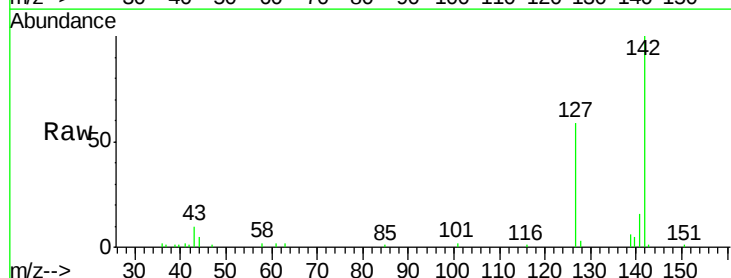
Tgt Ion:142 Resp: 136410

Ion Ratio Lower Upper

142 100

127 59.0 52.0 78.0

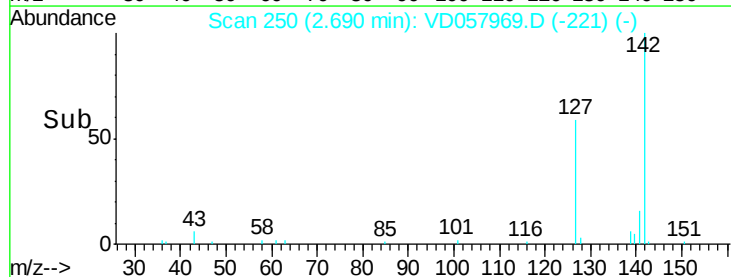
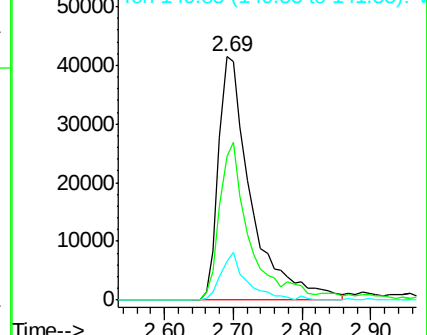
141 16.2 13.2 19.8

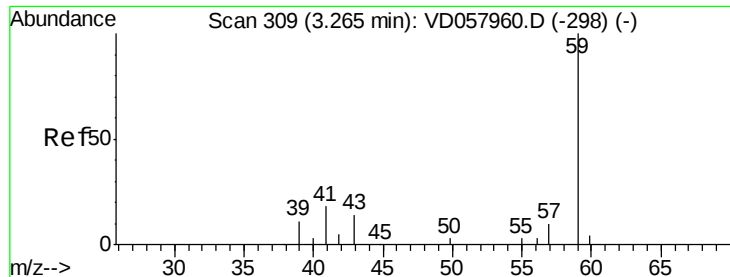


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



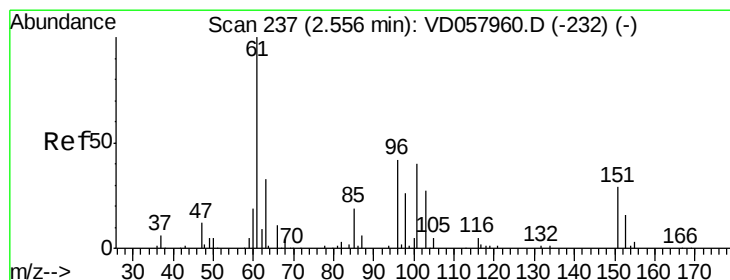
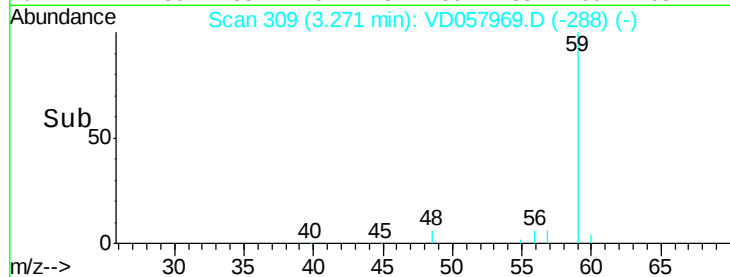
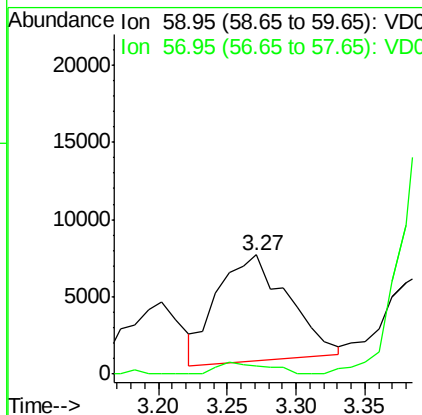
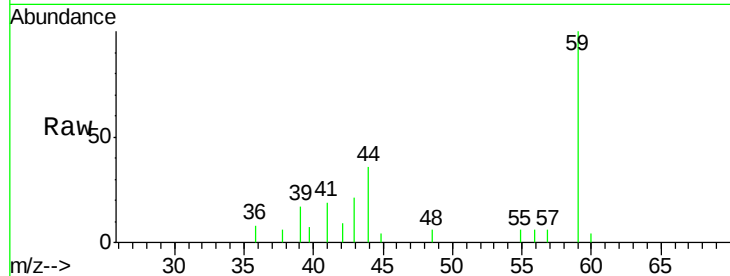


#11

Tert butyl alcohol
 Concen: 91.762 ug/l
 RT: 3.27 min Scan# 309
 Delta R.T. 0.01 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

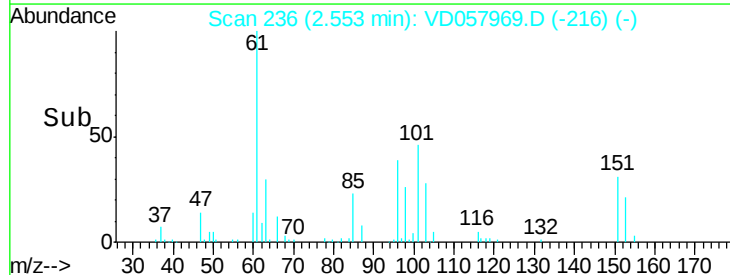
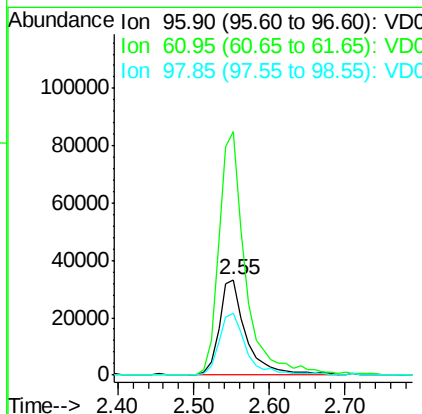
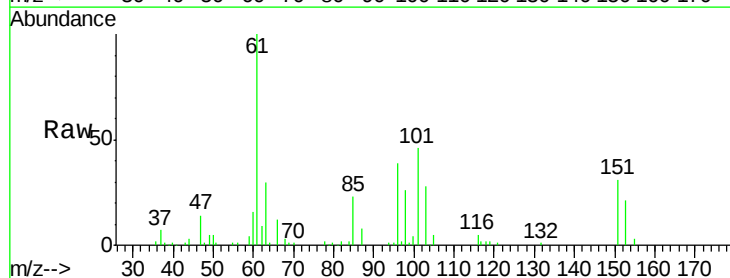
Tot Ion: 59 Resp: 24632
 Ion Ratio Lower Upper
 59 100
 57 6.4 7.8 11.6#

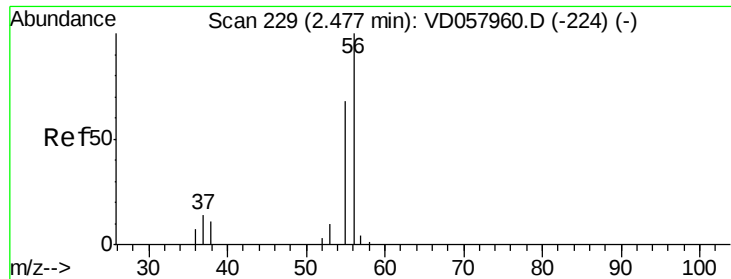


#12

1,1-Dichloroethene
 Concen: 20.545 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.00 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

Tgt Ion: 96 Resp: 82587
 Ion Ratio Lower Upper
 96 100
 61 255.7 190.2 285.4
 98 65.6 49.6 74.4

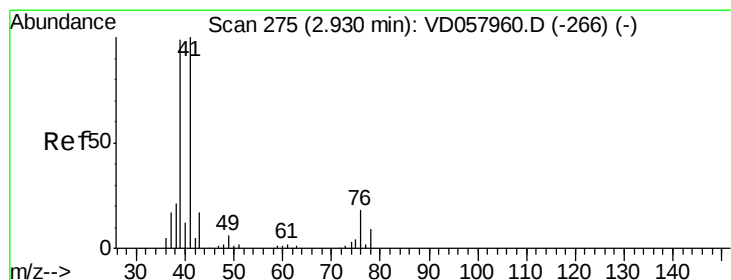
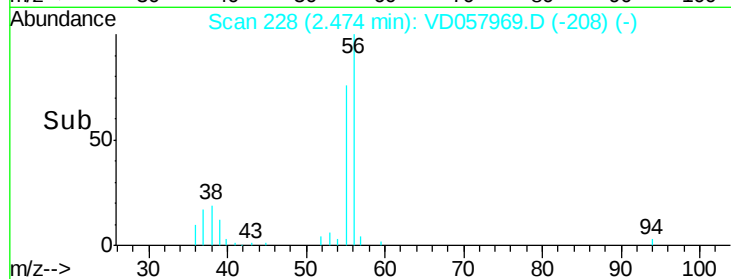
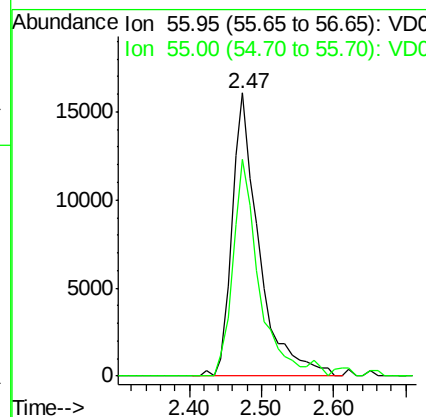
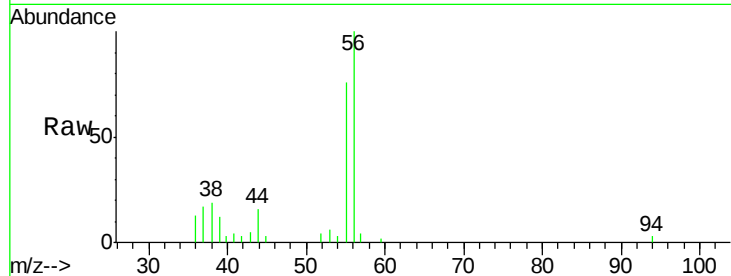




#13
Acrolein
Concen: 108.424 ug/l
RT: 2.47 min Scan# 228
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

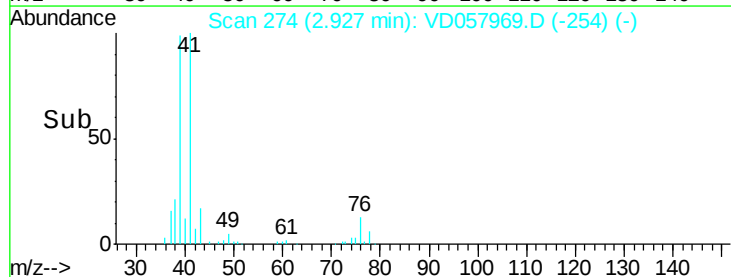
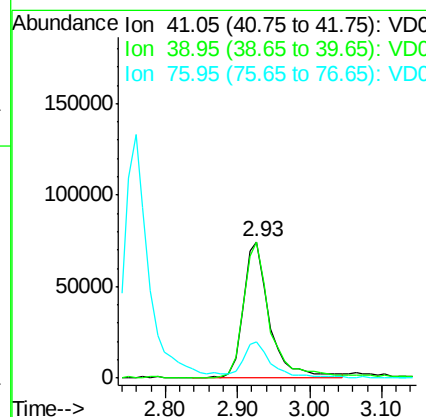
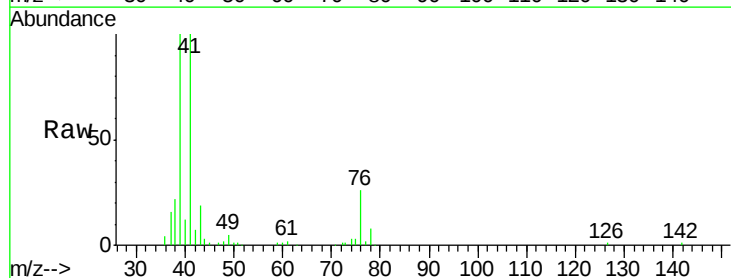
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

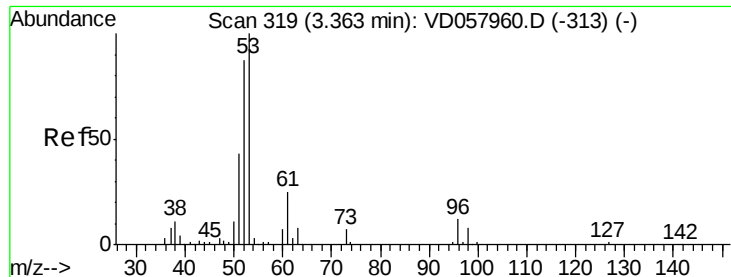
Tot Ion: 56 Resp: 41682
Ion Ratio Lower Upper
56 100
55 76.4 54.0 81.0



#14
Allyl chloride
Concen: 20.550 ug/l
RT: 2.93 min Scan# 274
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion: 41 Resp: 190561
Ion Ratio Lower Upper
41 100
39 99.8 79.5 119.3
76 26.3 20.7 31.1





#15

Acrylonitrile

Concen: 99.862 ug/l

RT: 3.36 min Scan# 318

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBSD01

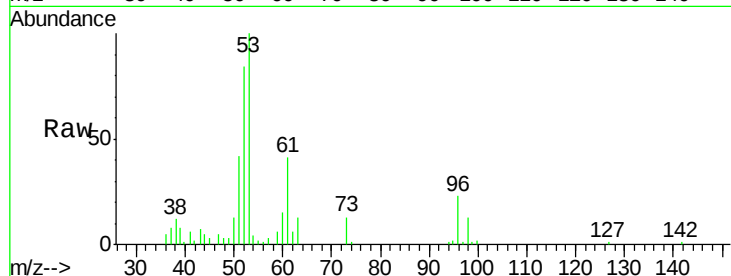
Tot Ion: 53 Resp: 156822

Ion Ratio Lower Upper

53 100

52 83.6 69.9 104.9

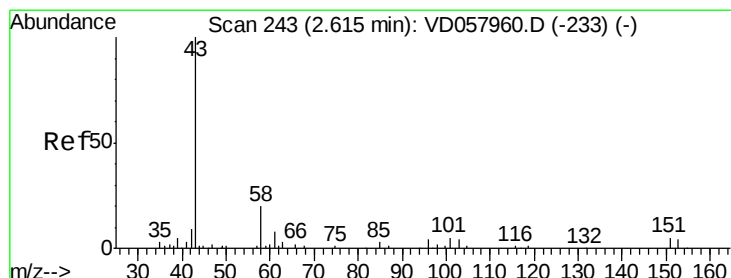
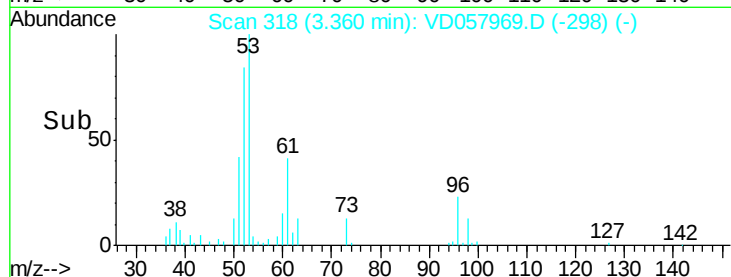
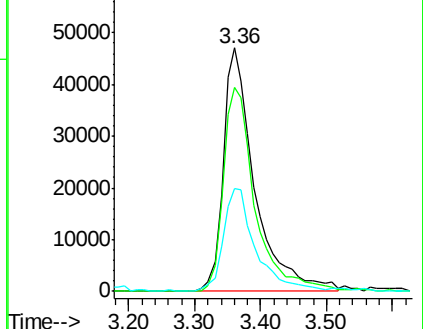
51 42.1 34.3 51.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 95.021 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD057969.D

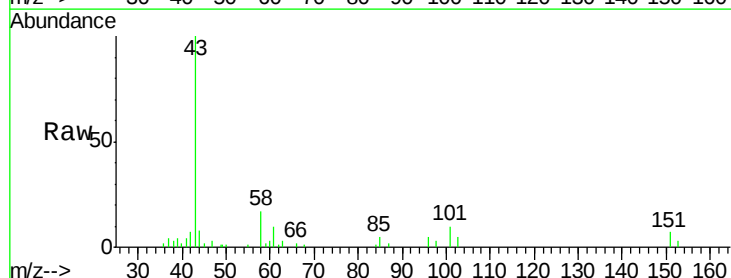
Acq: 7 Jun 2018 14:01

Tgt Ion: 43 Resp: 137179

Ion Ratio Lower Upper

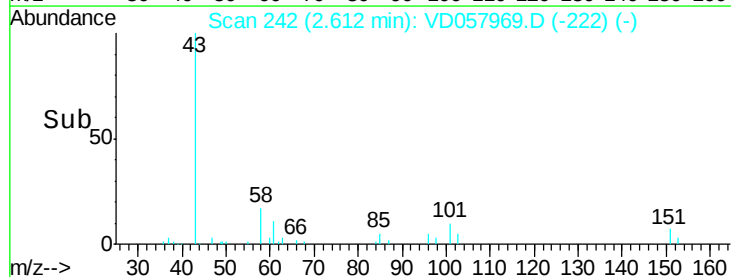
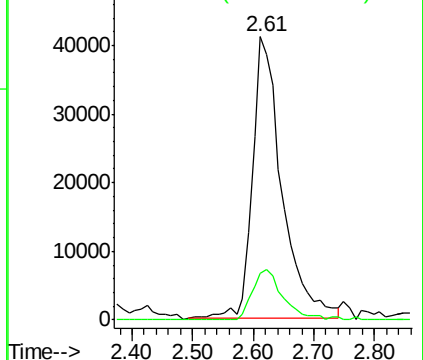
43 100

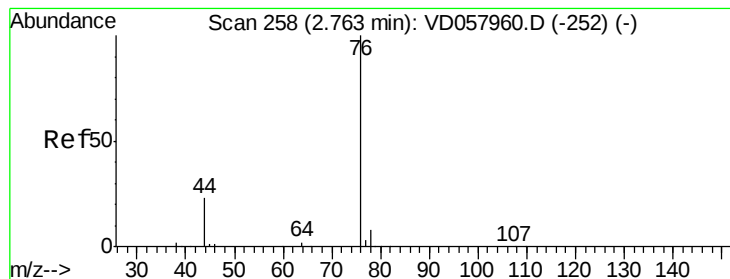
58 16.6 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 21.073 ug/l

RT: 2.76 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

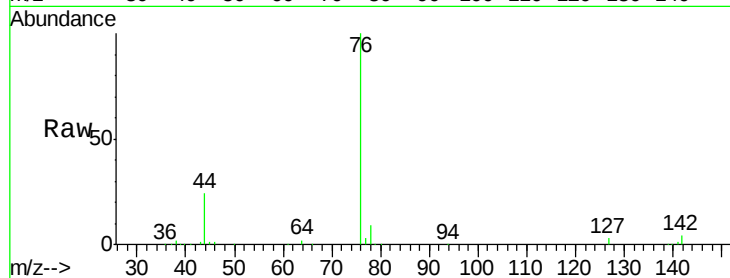
VD0607SBS01

Tot Ion: 76 Resp: 306870

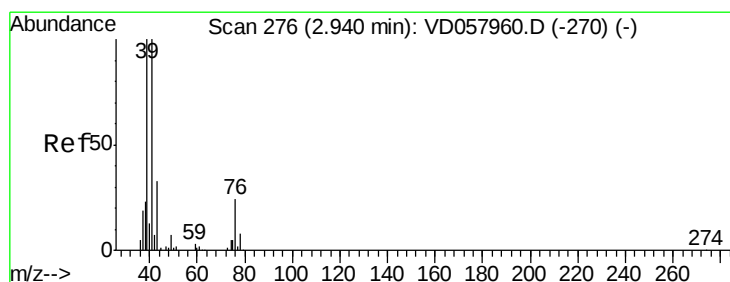
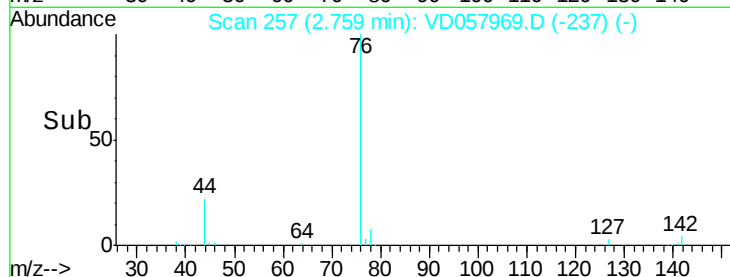
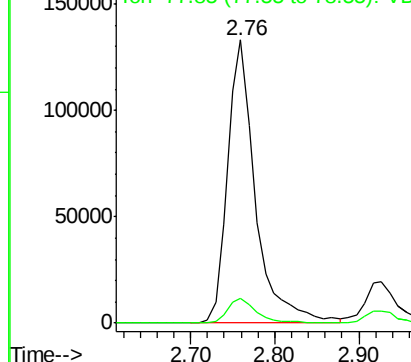
Ion Ratio Lower Upper

76 100

78 8.6 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 18.160 ug/l

RT: 2.94 min Scan# 275

Delta R.T. -0.00 min

Lab File: VD057969.D

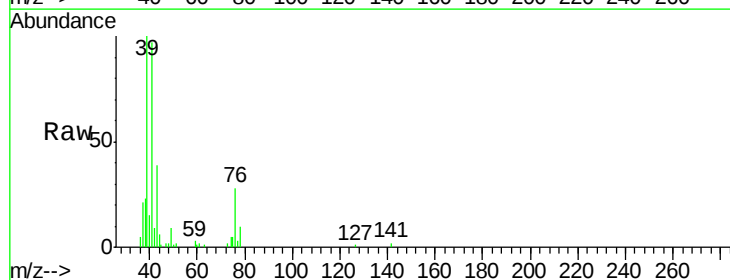
Acq: 7 Jun 2018 14:01

Tgt Ion: 43 Resp: 50717

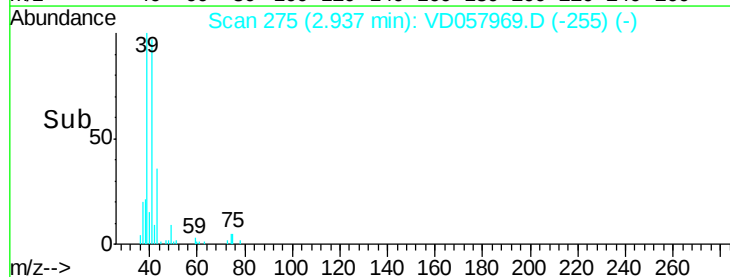
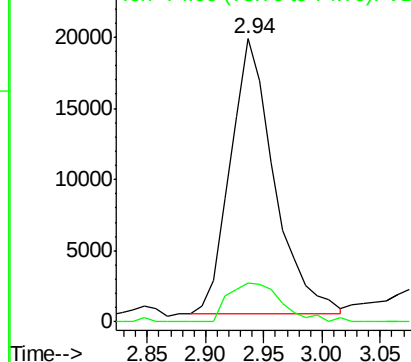
Ion Ratio Lower Upper

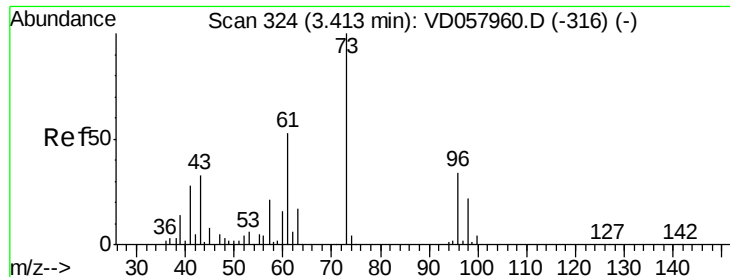
43 100

74 13.8 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

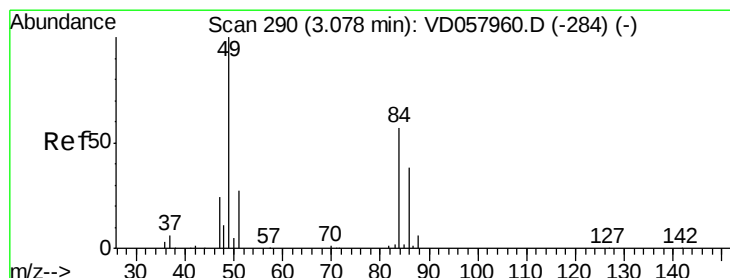
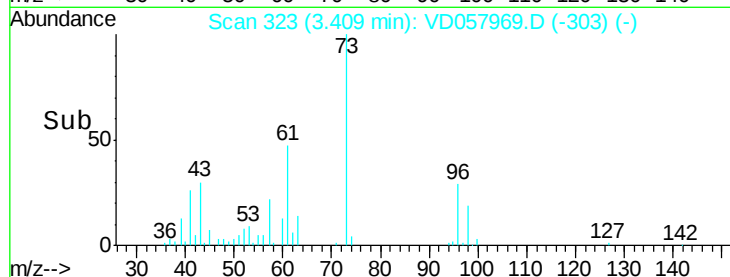
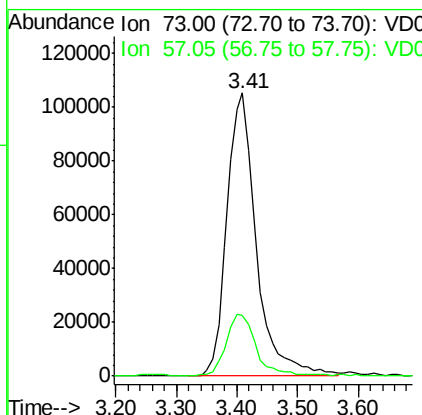
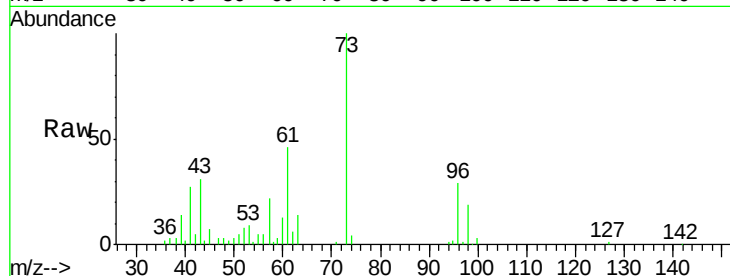




#19
Methyl tert-butyl Ether
Concen: 20.150 ug/l
RT: 3.41 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

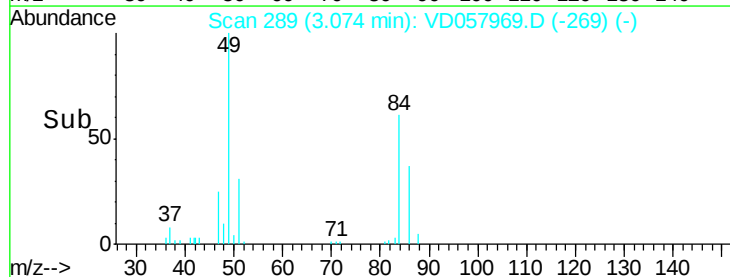
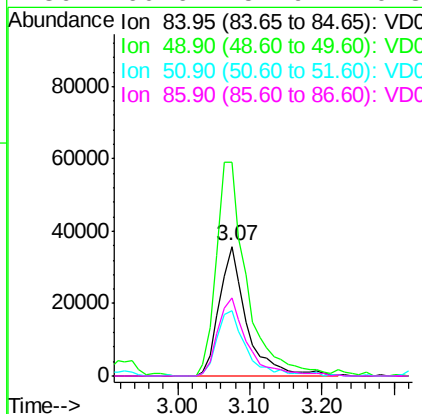
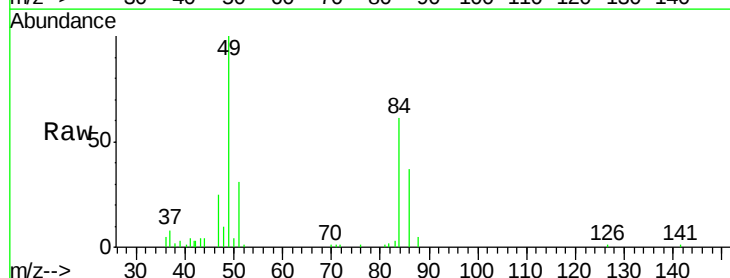
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

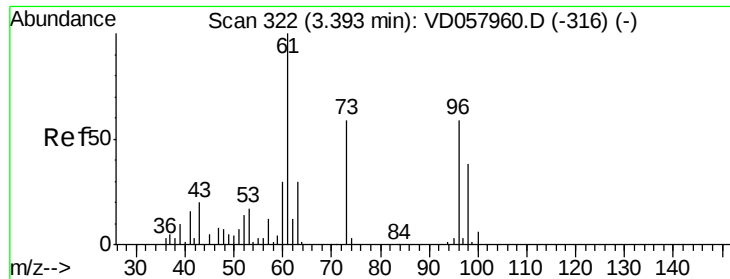
Tot Ion: 73 Resp: 356409
Ion Ratio Lower Upper
73 100
57 21.6 16.7 25.1



#20
Methylene Chloride
Concen: 22.424 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion: 84 Resp: 94113
Ion Ratio Lower Upper
84 100
49 164.2 141.4 212.0
51 50.6 38.3 57.5
86 60.6 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 20.840 ug/l

RT: 3.39 min Scan# 321

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

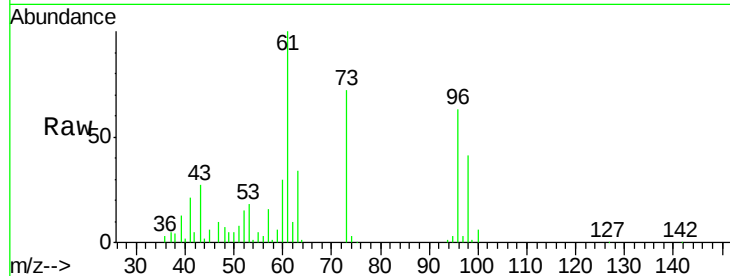
Tot Ion: 96 Resp: 186593

Ion Ratio Lower Upper

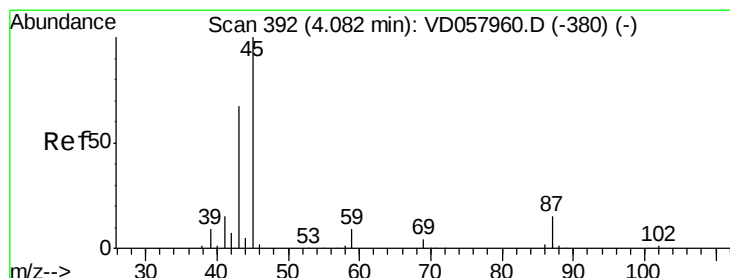
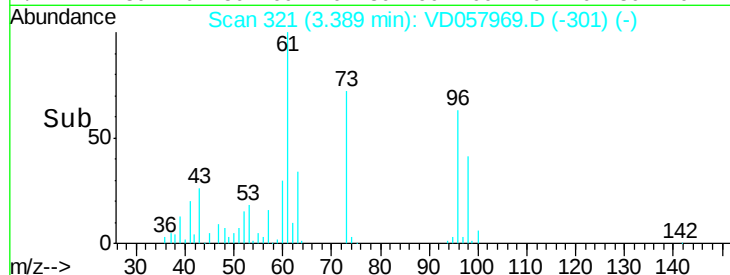
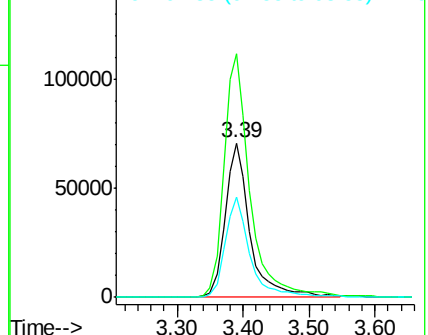
96 100

61 157.5 135.2 202.8

98 64.6 51.7 77.5



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: 20.265 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Tgt Ion: 45 Resp: 744459

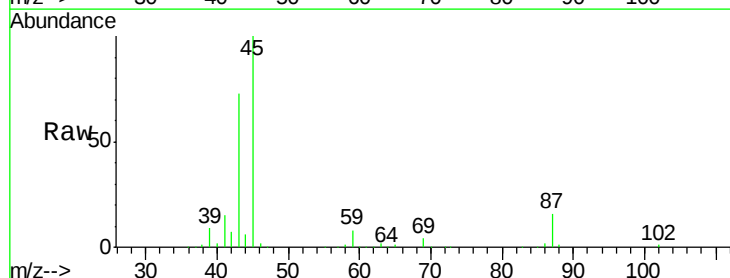
Ion Ratio Lower Upper

45 100

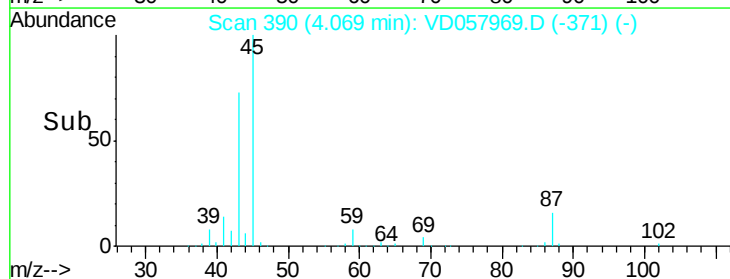
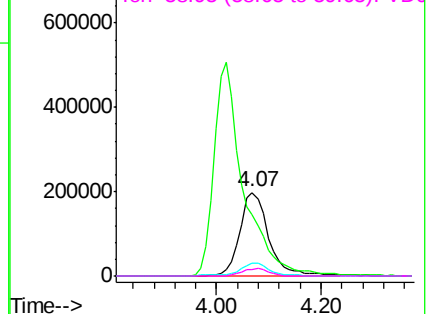
43 73.1 53.8 80.8

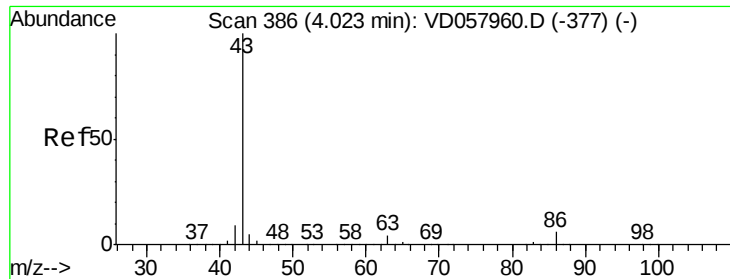
87 15.9 12.5 18.7

59 8.4 7.3 10.9



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

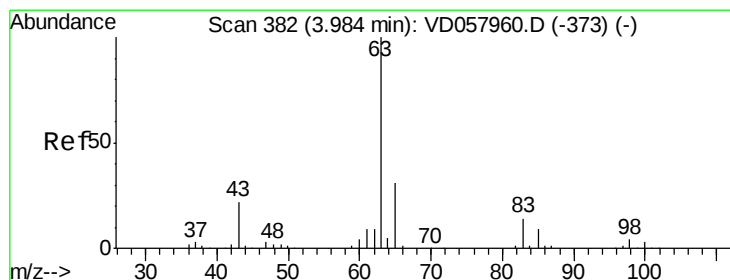
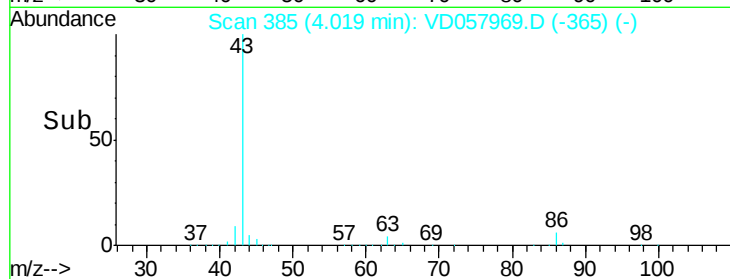
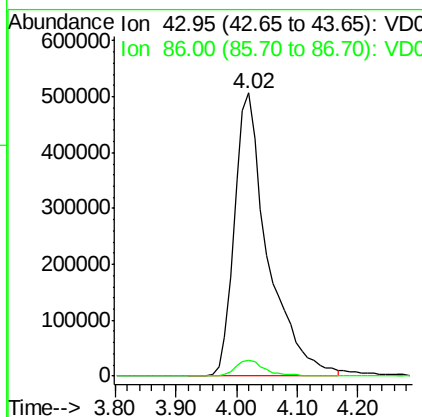
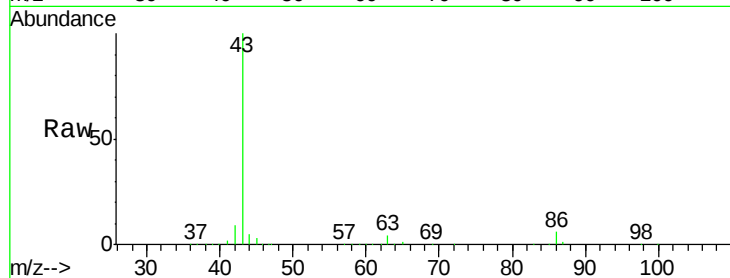




#23
 Vinyl Acetate
 Concen: 102.366 ug/l
 RT: 4.02 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

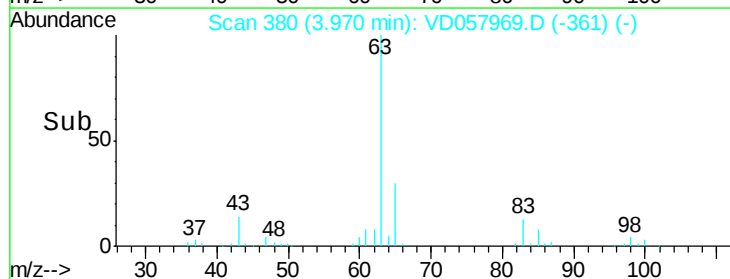
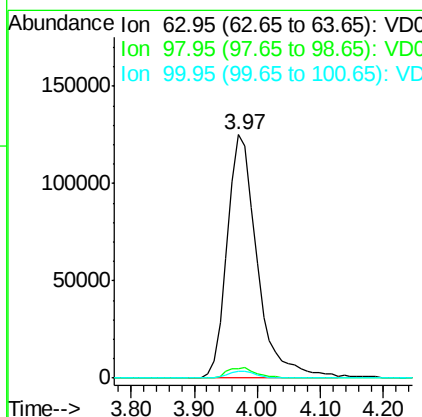
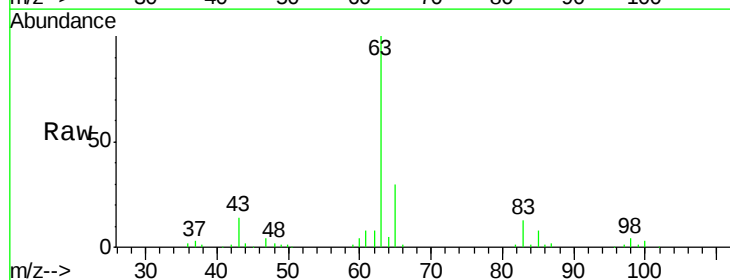
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBSD01

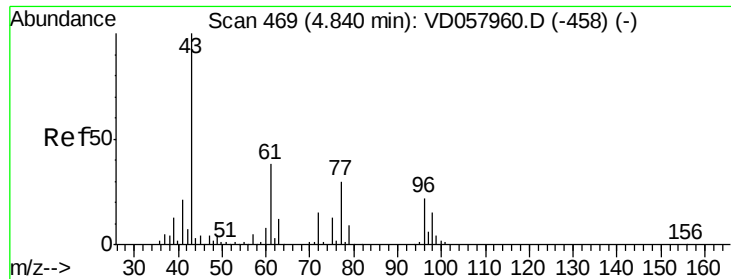
Tot Ion: 43 Resp: 1943044
 Ion Ratio Lower Upper
 43 100
 86 5.7 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 20.458 ug/l
 RT: 3.97 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

Tgt Ion: 63 Resp: 413047
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.0 5.8
 100 3.0 1.4 4.2





#25

2-Butanone

Concen: 100.205 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

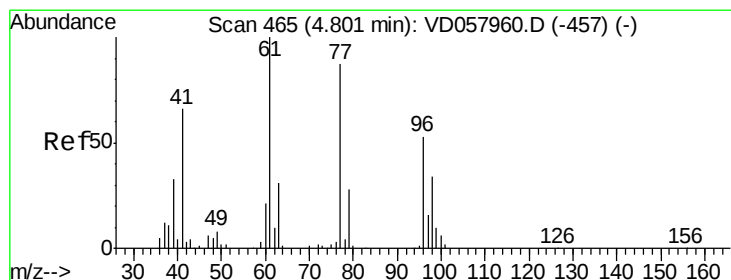
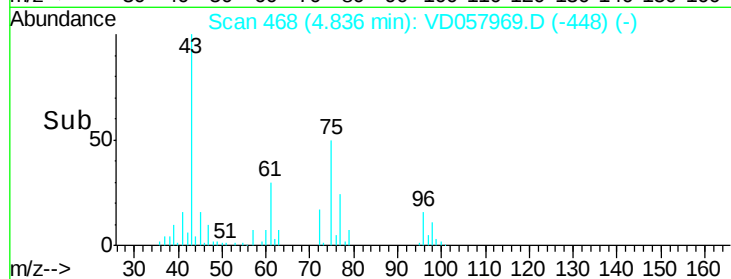
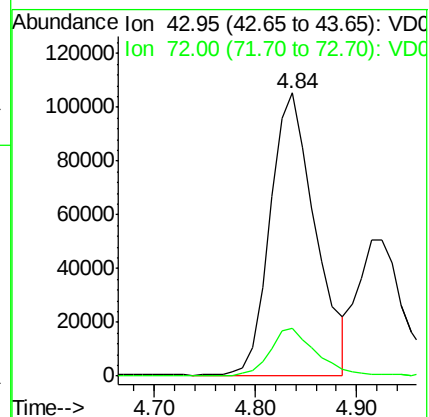
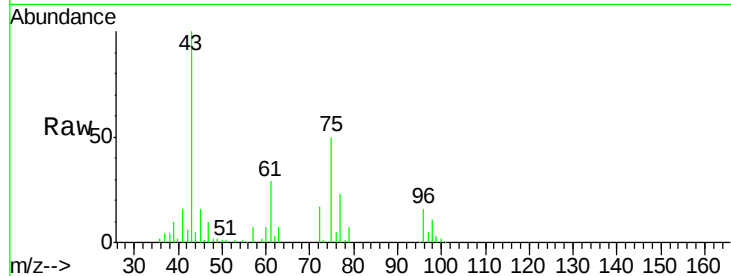
VD0607SBS01

Tot Ion: 43 Resp: 328766

Ion Ratio Lower Upper

43 100

72 16.9 12.0 18.0



#26

2,2-Dichloropropane

Concen: 20.785 ug/l

RT: 4.80 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD057969.D

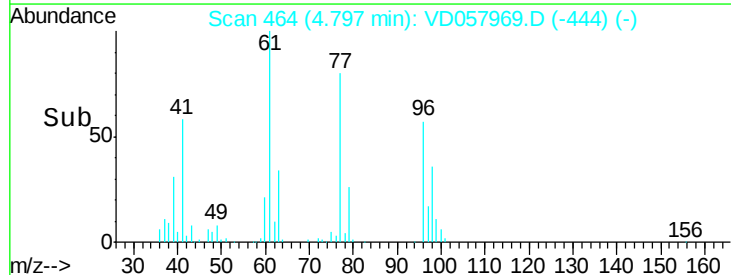
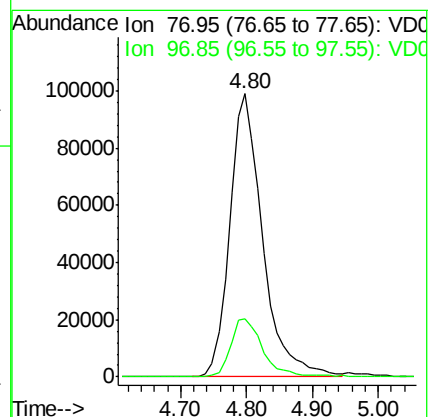
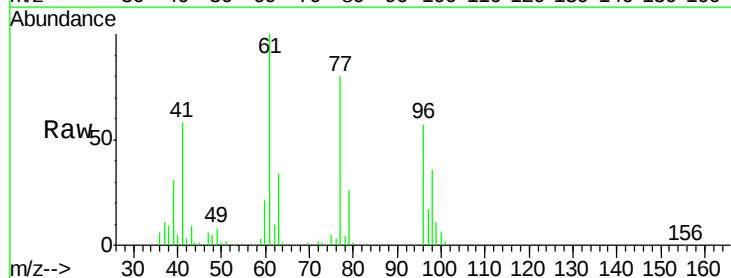
Acq: 7 Jun 2018 14:01

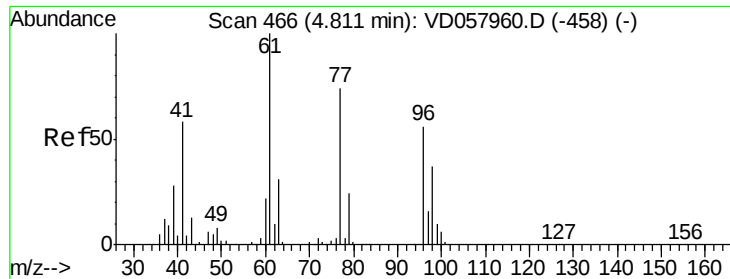
Tgt Ion: 77 Resp: 345701

Ion Ratio Lower Upper

77 100

97 20.5 9.2 27.6



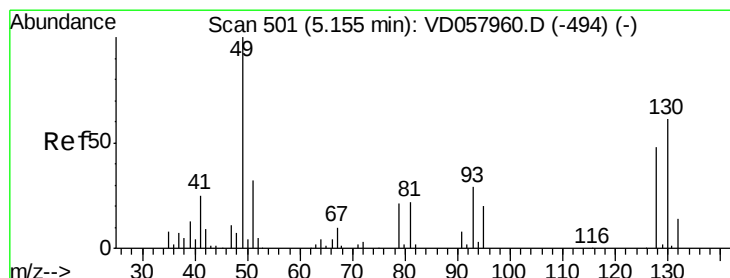
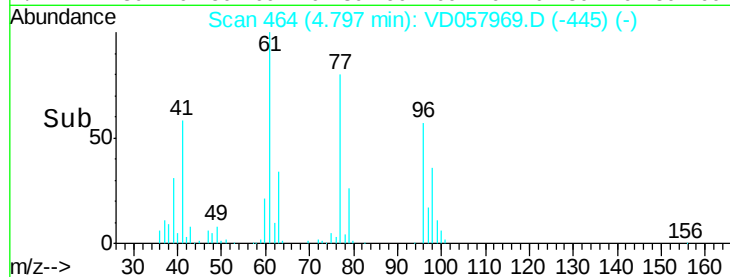
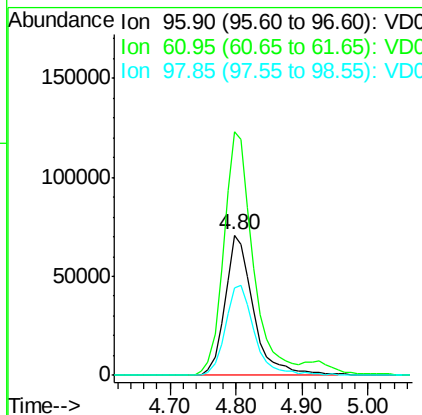
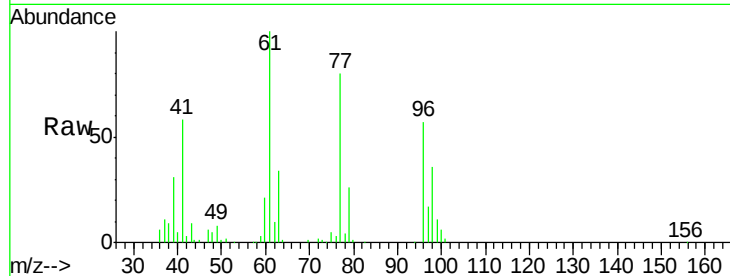


#27

cis-1,2-Dichloroethene
Concen: 19.992 ug/l
RT: 4.80 min Scan# 464
Delta R.T. -0.01 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD01

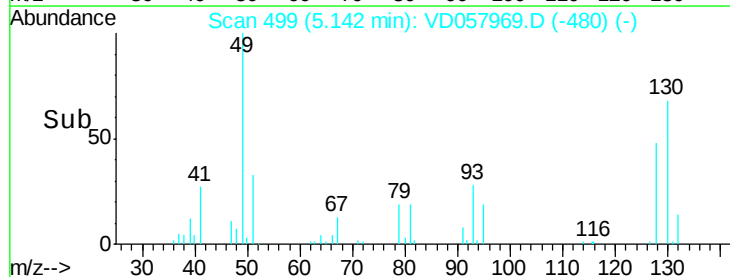
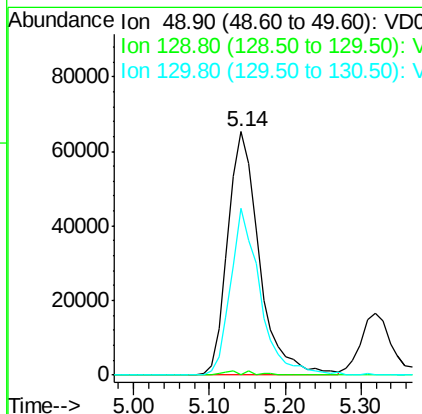
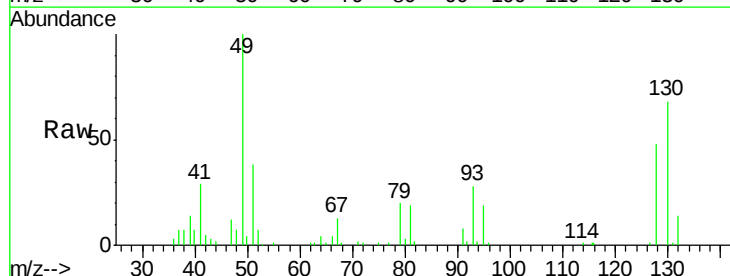
Tot Ion: 96 Resp: 212294
Ion Ratio Lower Upper
96 100
61 174.0 0.0 355.0
98 62.8 0.0 129.6

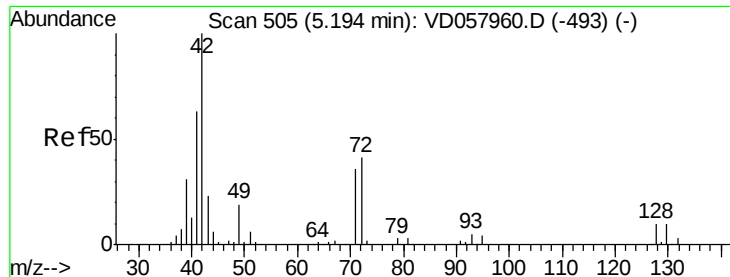


#28

Bromochloromethane
Concen: 21.587 ug/l
RT: 5.14 min Scan# 499
Delta R.T. -0.01 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion: 49 Resp: 188638
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 68.4 48.8 73.2

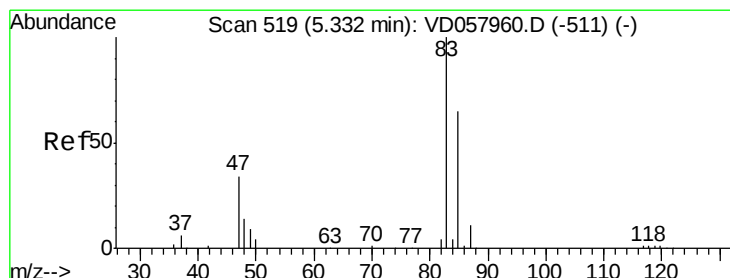
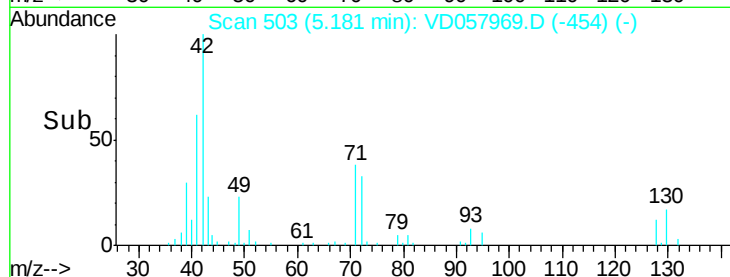
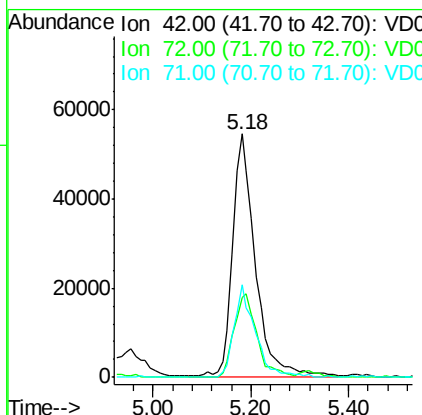
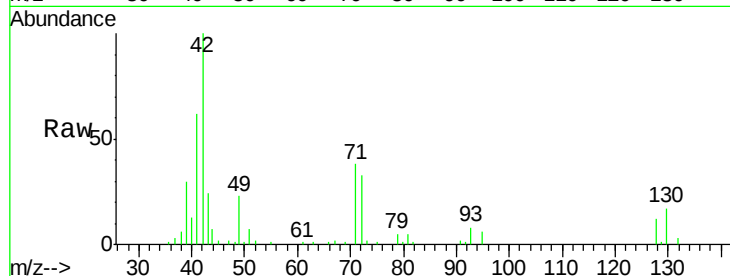




#29
Tetrahydrofuran
Concen: 104.092 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.01 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

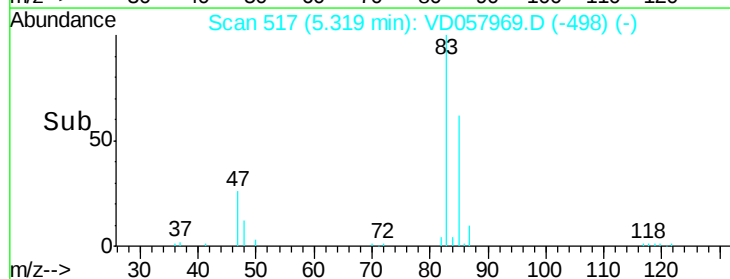
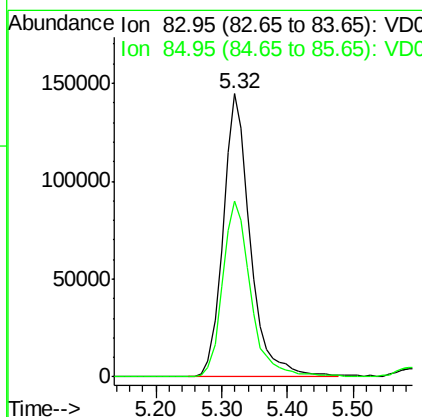
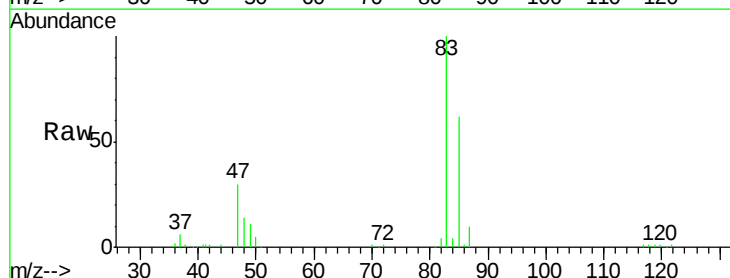
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD01

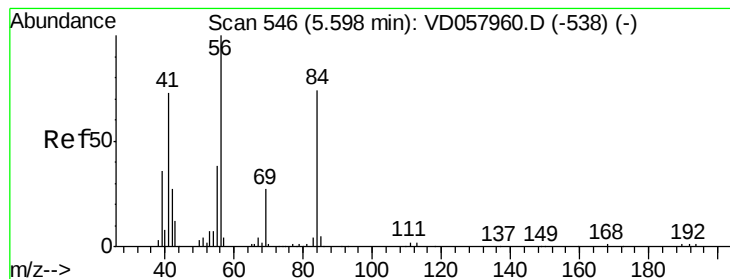
Tot Ion: 42 Resp: 179027
Ion Ratio Lower Upper
42 100
72 34.2 28.5 42.7
71 34.7 27.9 41.9



#30
Chloroform
Concen: 20.471 ug/l
RT: 5.32 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion: 83 Resp: 415974
Ion Ratio Lower Upper
83 100
85 62.1 51.6 77.4





#31

Cyclohexane

Concen: 19.383 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

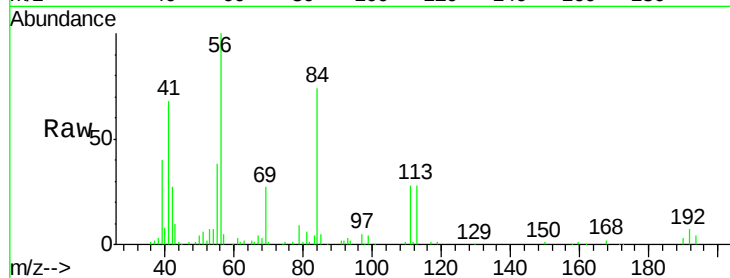
Tot Ion: 56 Resp: 337723

Ion Ratio Lower Upper

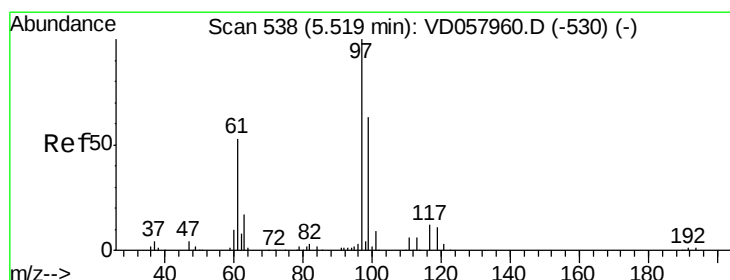
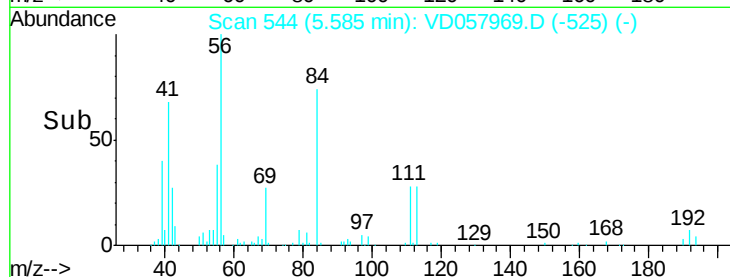
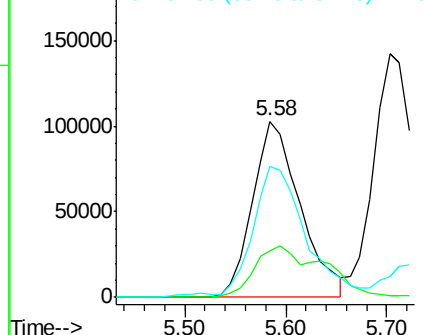
56 100

69 26.7 21.5 32.3

84 74.5 61.0 91.6



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: 20.210 ug/l

RT: 5.51 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

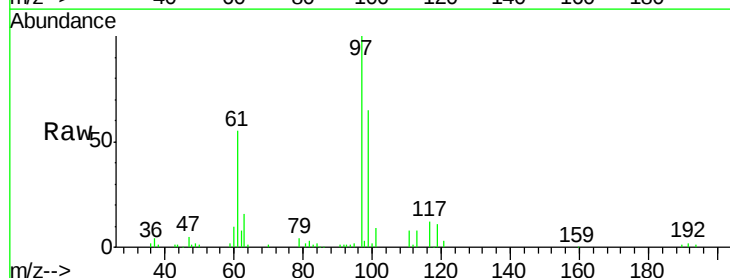
Tgt Ion: 97 Resp: 343854

Ion Ratio Lower Upper

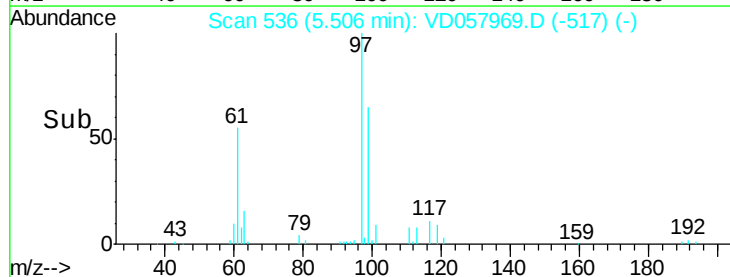
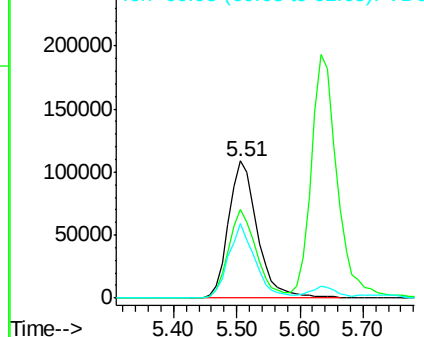
97 100

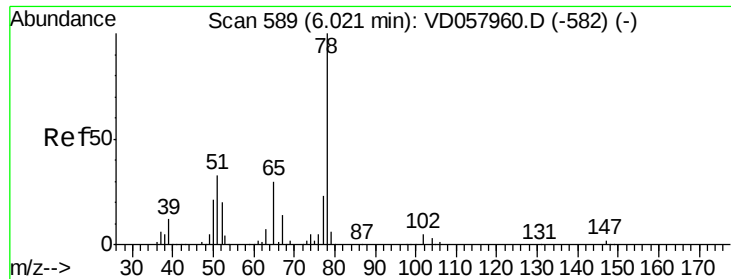
99 64.6 50.1 75.1

61 54.7 42.2 63.4



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: 20.210 ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

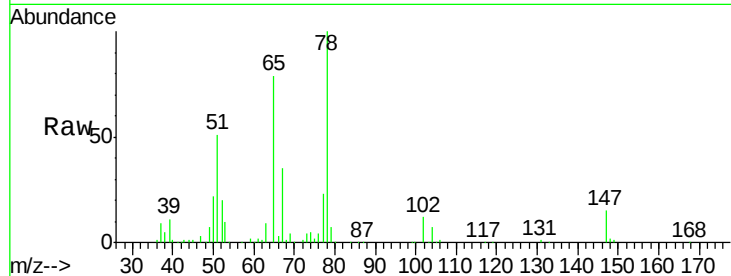
VD0607SBS01

Tot Ion: 65 Resp: 455142

Ion Ratio Lower Upper

65 100

67 44.7 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.02

150000

100000

50000

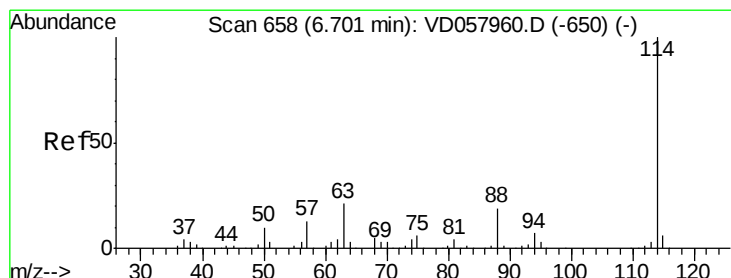
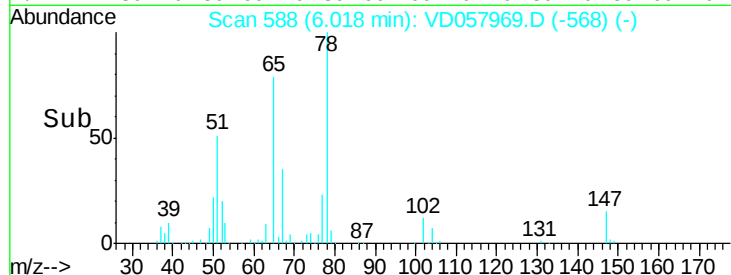
0

Time-->

5.90

6.00

6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

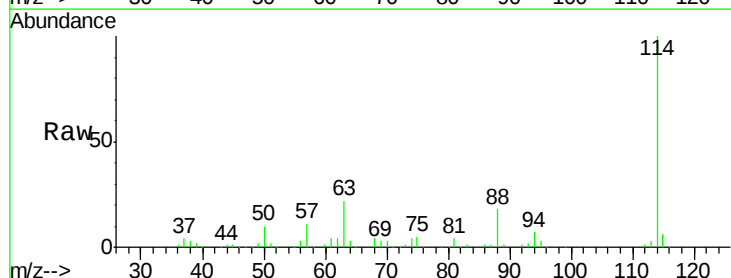
Tgt Ion:114 Resp: 1316174

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.8

88 18.2 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

6.69

600000

400000

200000

0

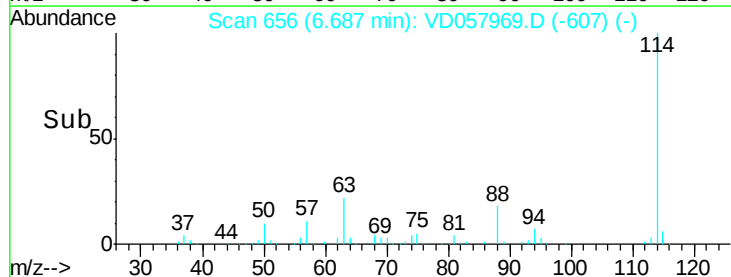
Time-->

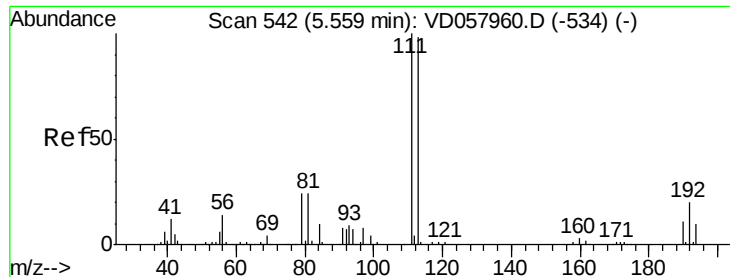
6.60

6.70

6.80

6.90





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBSD01

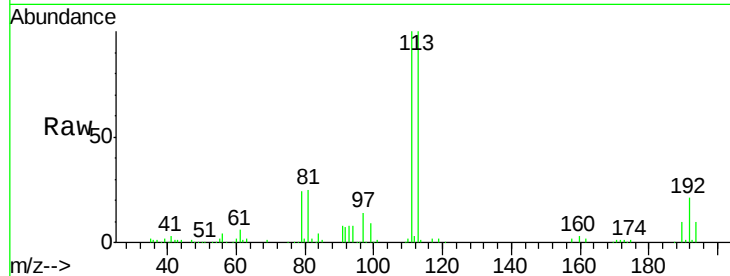
Tot Ion:113 Resp: 501512

Ion Ratio Lower Upper

113 100

111 99.6 81.5 122.3

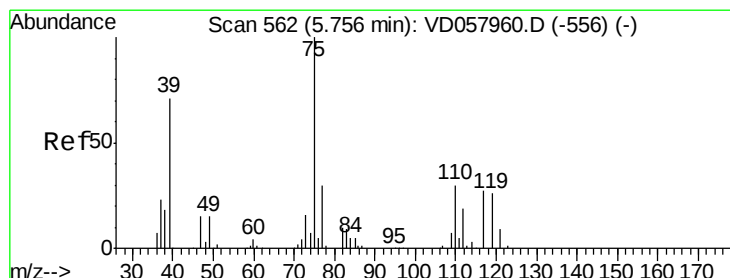
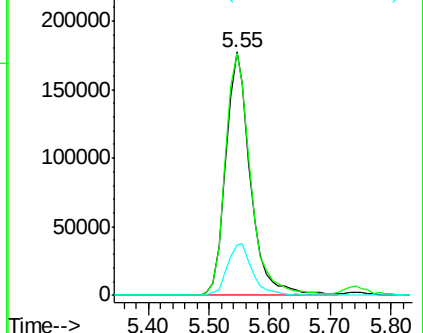
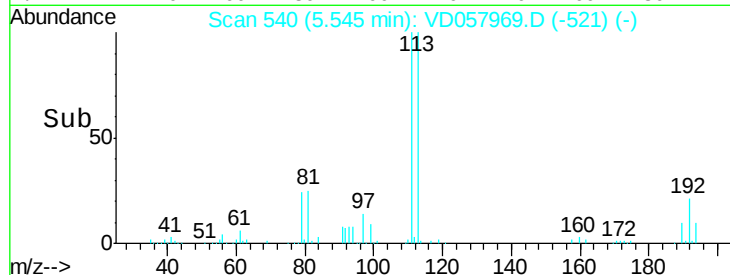
192 20.7 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.002 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

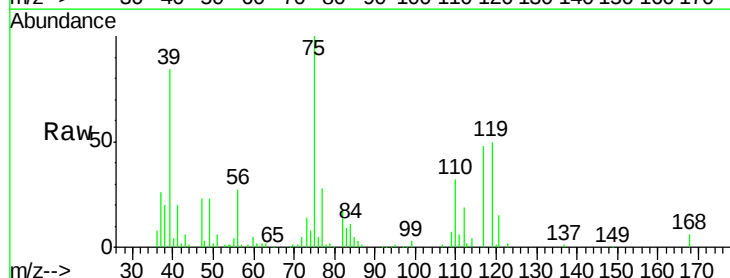
Tgt Ion: 75 Resp: 304547

Ion Ratio Lower Upper

75 100

110 32.0 14.8 44.3

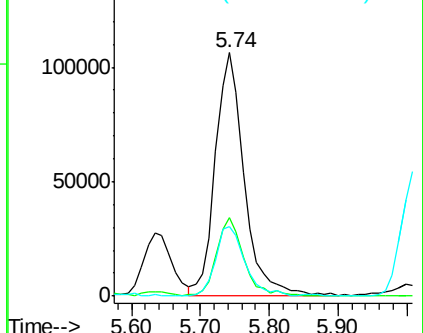
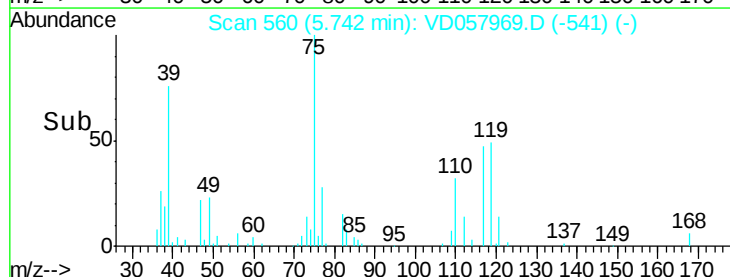
77 28.4 23.9 35.9

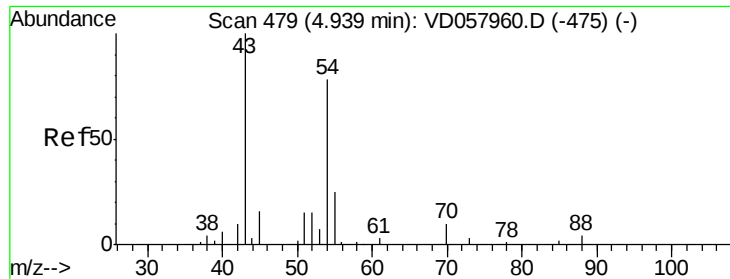


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

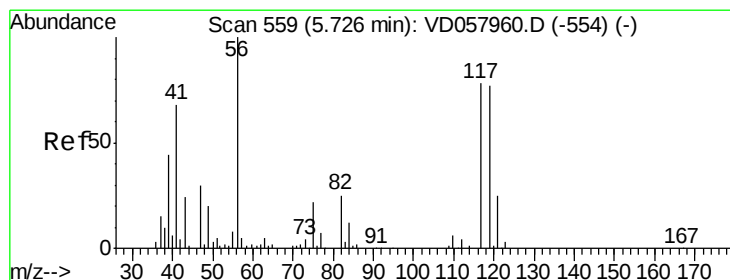
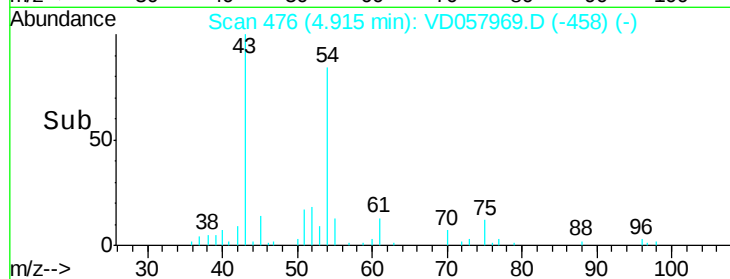
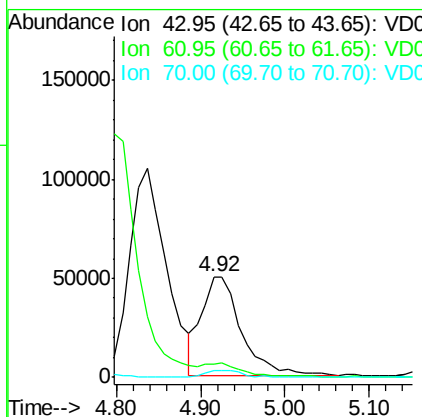
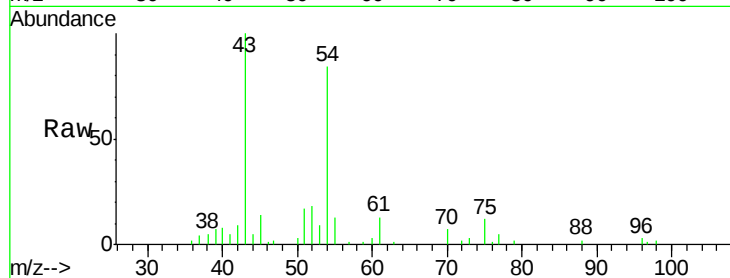




#37
Ethyl Acetate
Concen: 20.864 ug/l
RT: 4.92 min Scan# 476
Delta R.T. -0.02 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

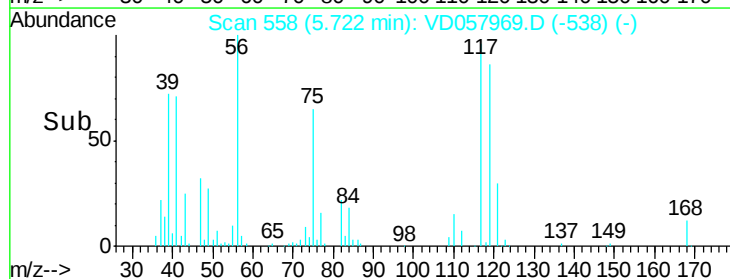
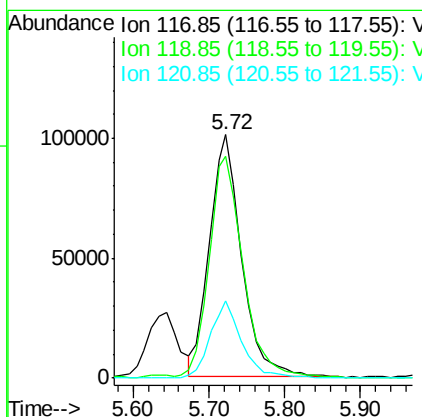
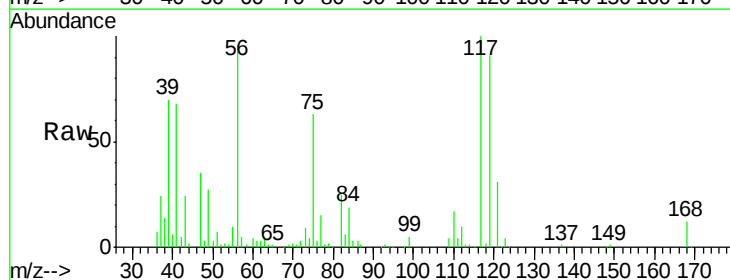
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

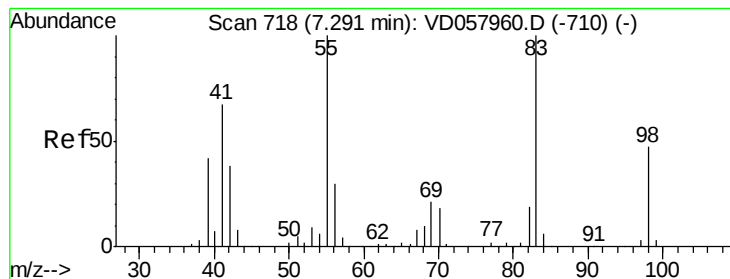
Tot Ion: 43 Resp: 165080
Ion Ratio Lower Upper
43 100
61 13.5 9.9 14.9
70 7.4 5.7 8.5



#38
Carbon Tetrachloride
Concen: 20.882 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion: 117 Resp: 298422
Ion Ratio Lower Upper
117 100
119 90.9 76.1 114.1
121 31.5 24.9 37.3





#39

Methvlcvclohexane

Concen: 20.267 ug/l

RT: 7.28 min Scan# 716

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBSD01

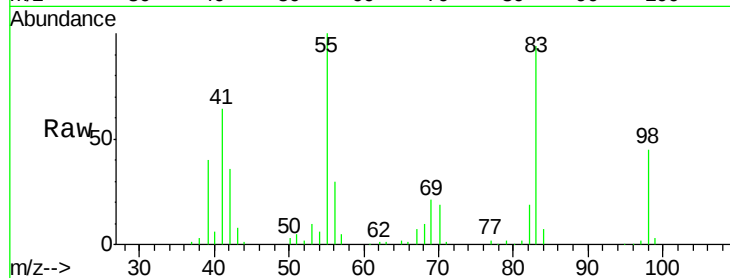
Tot Ion: 83 Resp: 291336

Ion Ratio Lower Upper

83 100

55 106.8 80.3 120.5

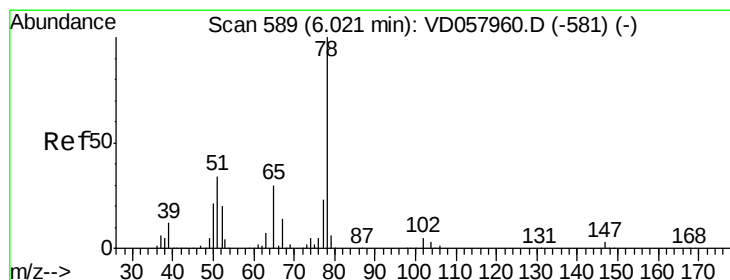
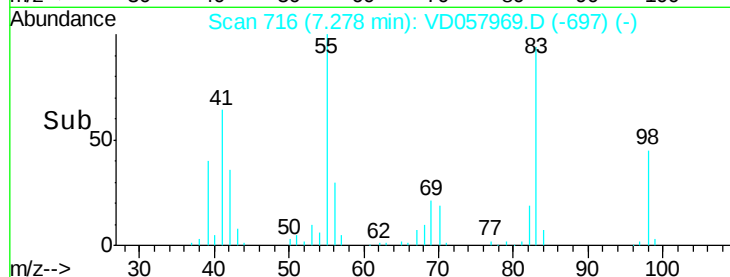
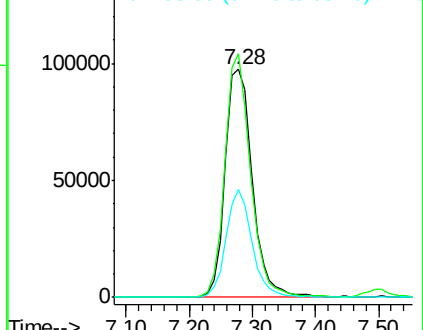
98 47.6 38.0 57.0



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: 19.641 ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.01 min

Lab File: VD057969.D

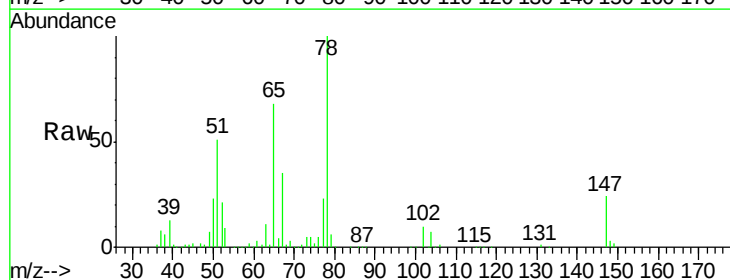
Acq: 7 Jun 2018 14:01

Tgt Ion: 78 Resp: 665328

Ion Ratio Lower Upper

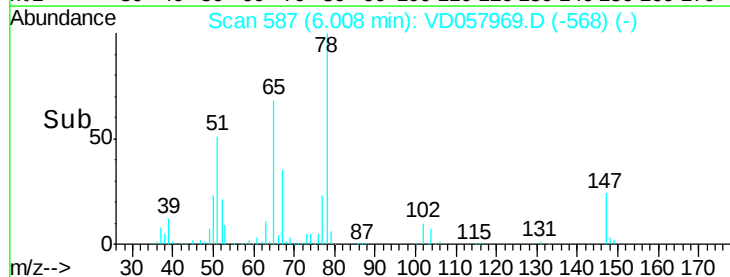
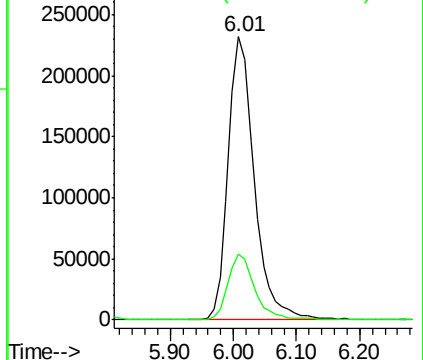
78 100

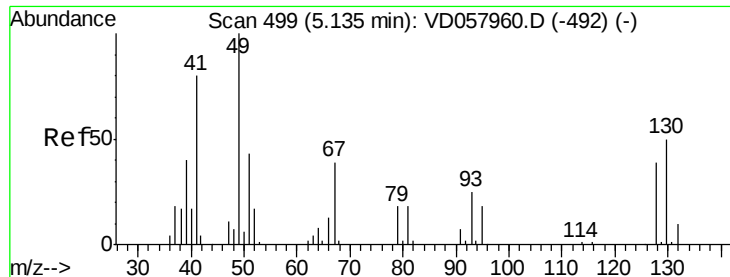
77 23.4 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

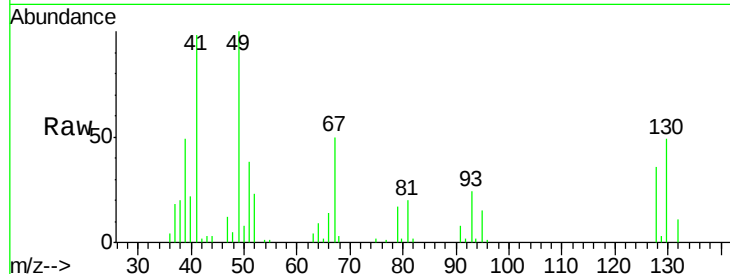




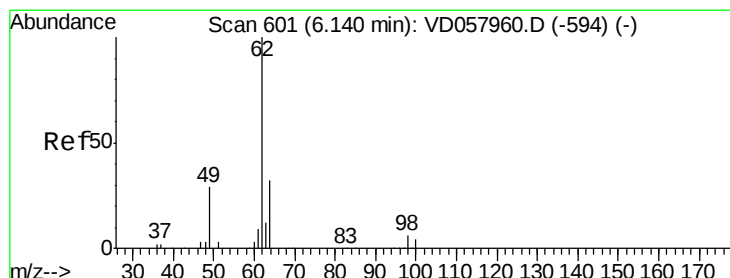
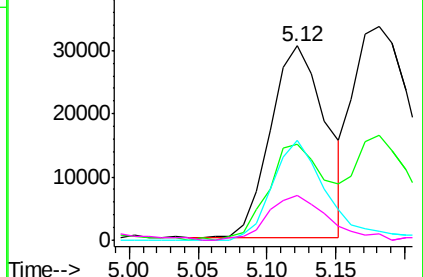
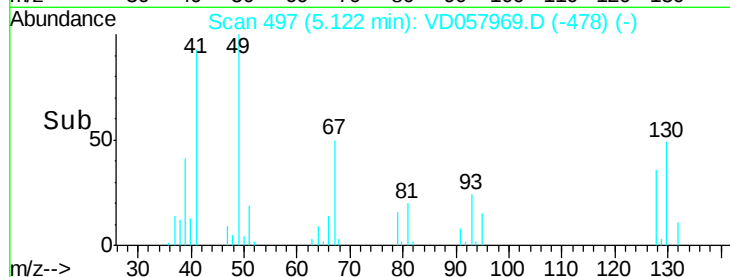
#41
Methacrylonitrile
Concen: 23.504 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.01 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD01

Tot Ion: 41 Resp: 85033
Ion Ratio Lower Upper
41 100
39 49.6 40.7 61.1
67 51.4 38.8 58.2
52 23.2 17.3 25.9

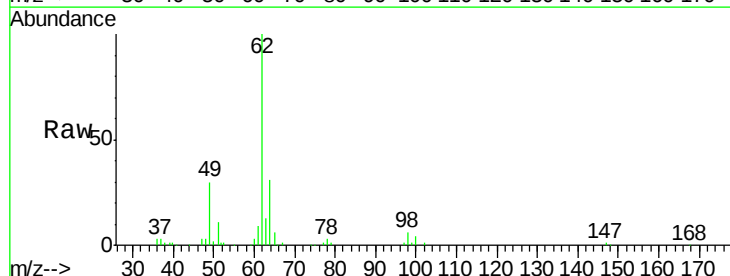


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

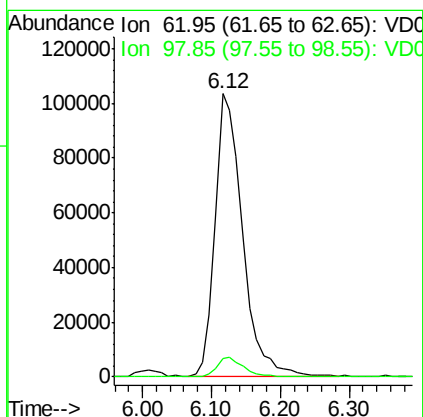
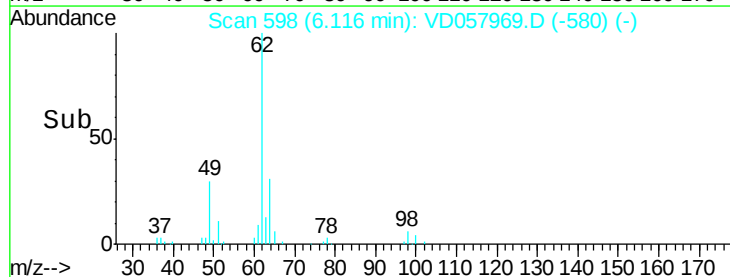


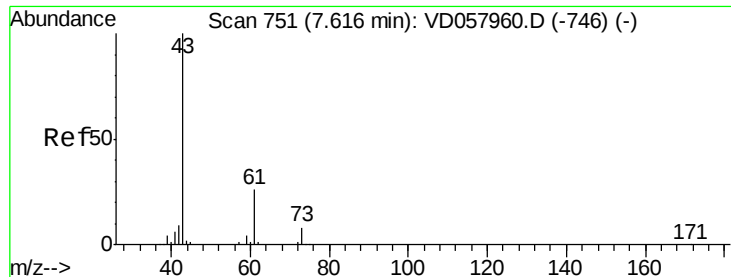
#42
1,2-Dichloroethane
Concen: 20.946 ug/l
RT: 6.12 min Scan# 598
Delta R.T. -0.02 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion: 62 Resp: 286879
Ion Ratio Lower Upper
62 100
98 6.3 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.783 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

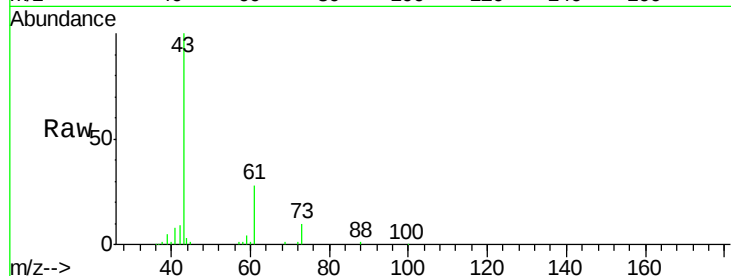
Tot Ion: 43 Resp: 215394

Ion Ratio Lower Upper

43 100

61 27.8 20.6 30.8

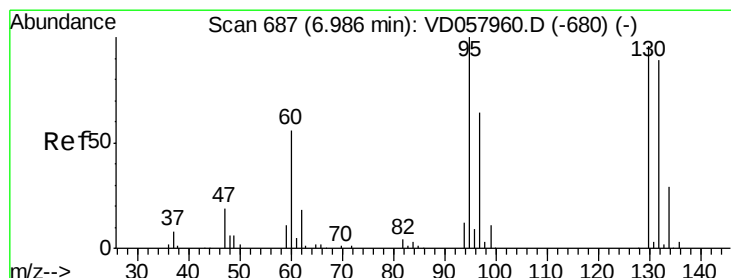
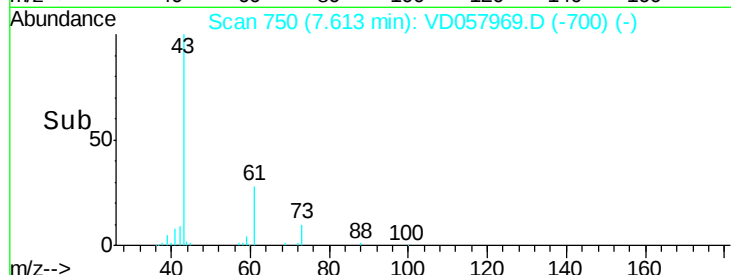
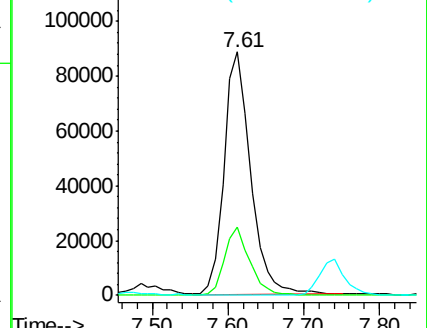
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.321 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.01 min

Lab File: VD057969.D

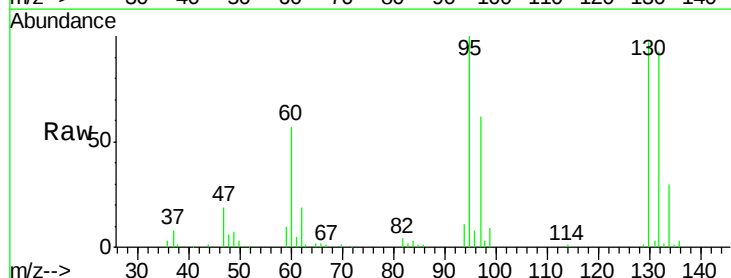
Acq: 7 Jun 2018 14:01

Tgt Ion: 130 Resp: 210967

Ion Ratio Lower Upper

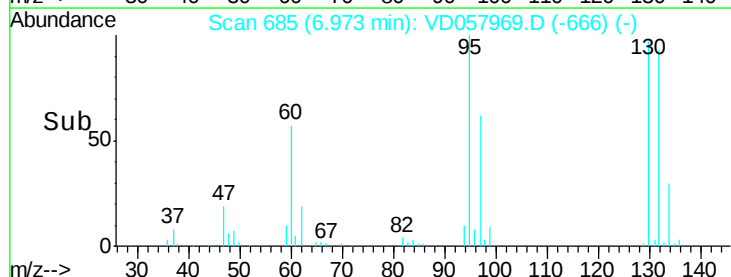
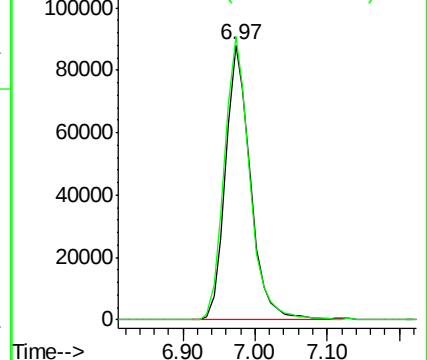
130 100

95 102.9 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.418 ug/l

RT: 7.35 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

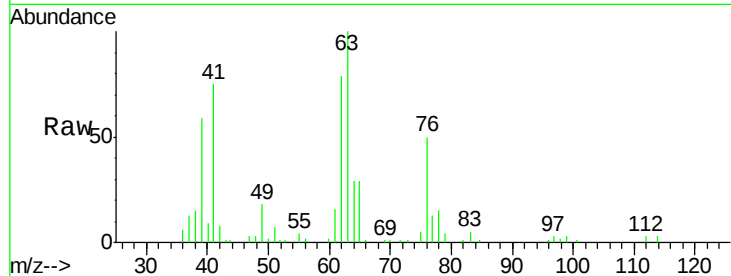
VD0607SBS01

Tot Ion: 63 Resp: 192236

Ion Ratio Lower Upper

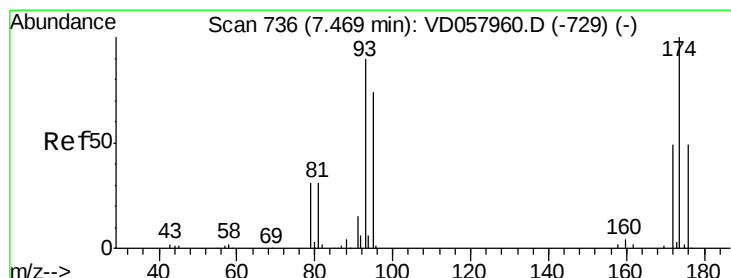
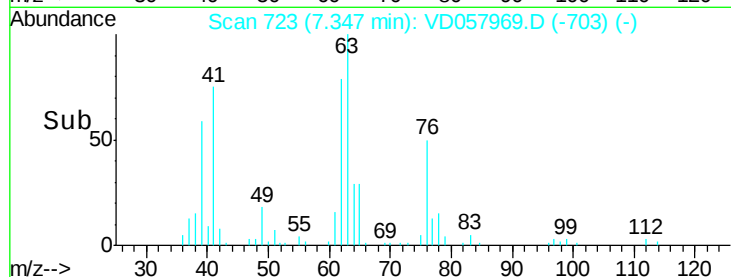
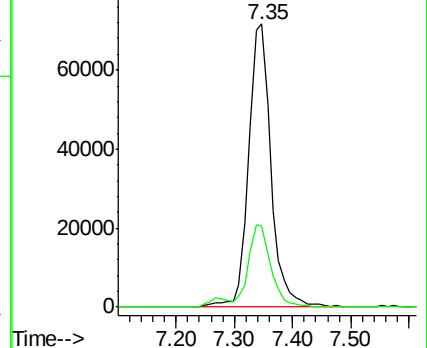
63 100

65 28.9 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.663 ug/l

RT: 7.46 min Scan# 734

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

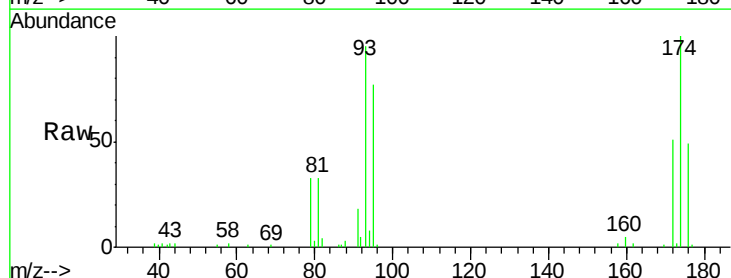
Tgt Ion: 93 Resp: 124974

Ion Ratio Lower Upper

93 100

95 81.5 65.7 98.5

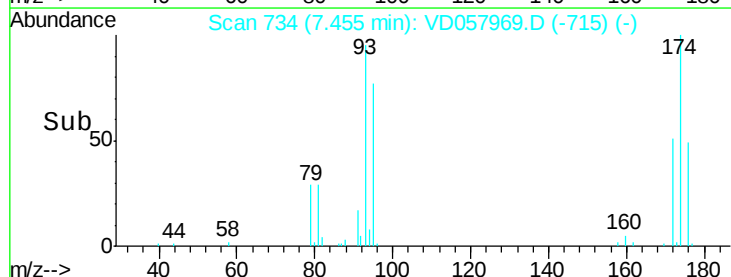
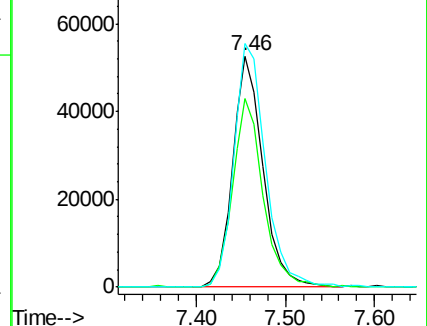
174 105.4 89.0 133.4

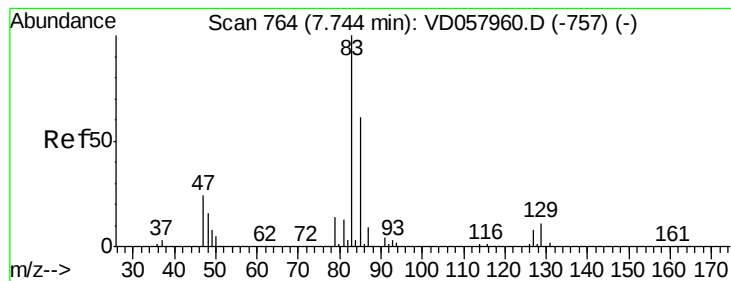


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.320 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

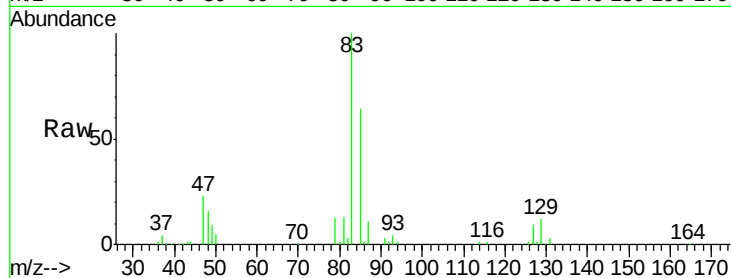
Tot Ion: 83 Resp: 287758

Ion Ratio Lower Upper

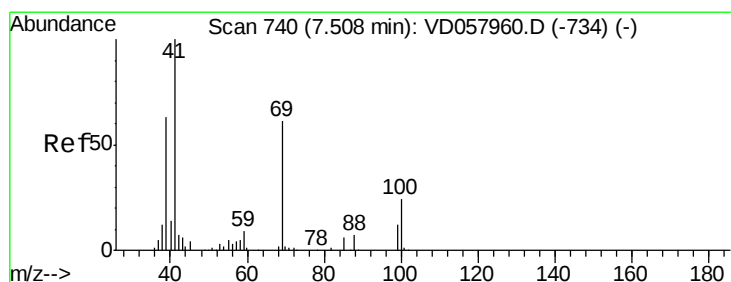
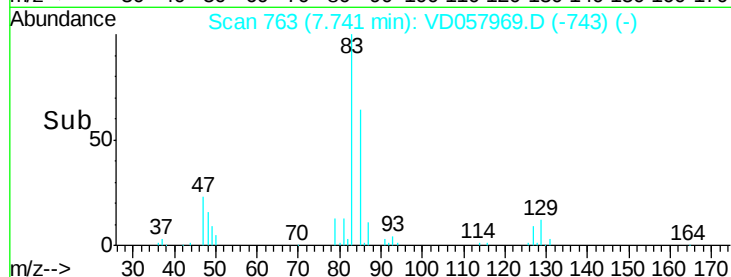
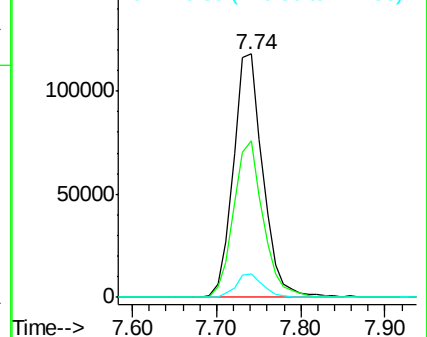
83 100

85 64.5 49.1 73.7

127 9.4 6.2 9.2#



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



#48

Methyl methacrylate

Concen: 21.160 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

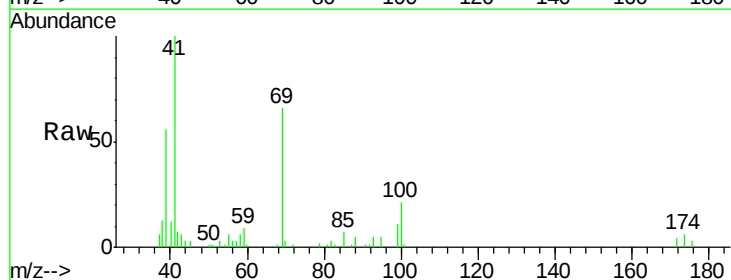
Tgt Ion: 41 Resp: 134974

Ion Ratio Lower Upper

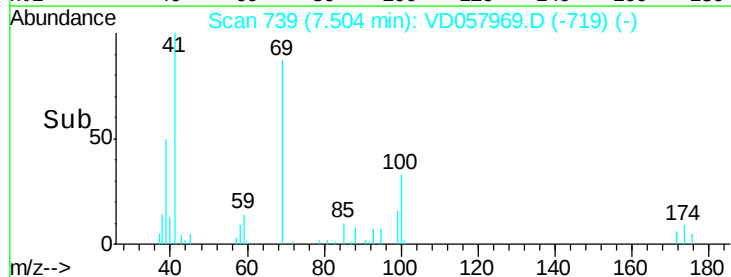
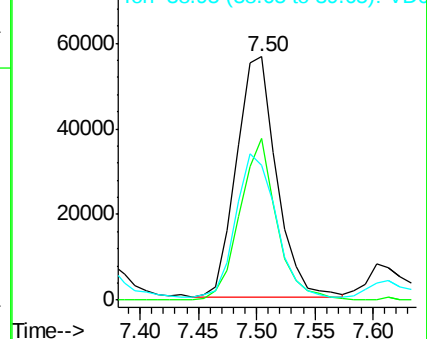
41 100

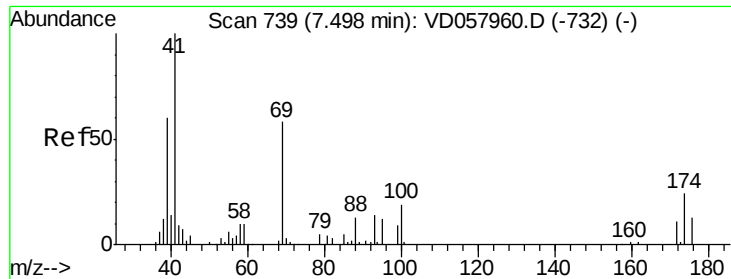
69 66.2 48.0 72.0

39 55.6 50.7 76.1



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: 372.454 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

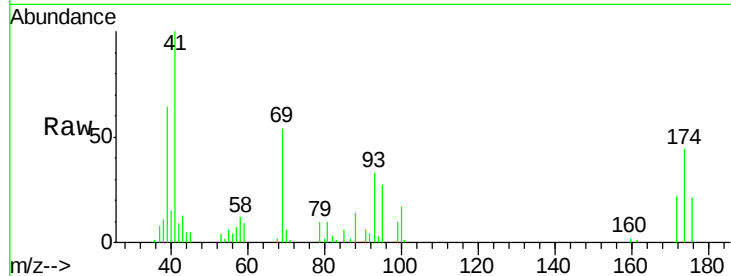
Tot Ion: 88 Resp: 19682

Ion Ratio Lower Upper

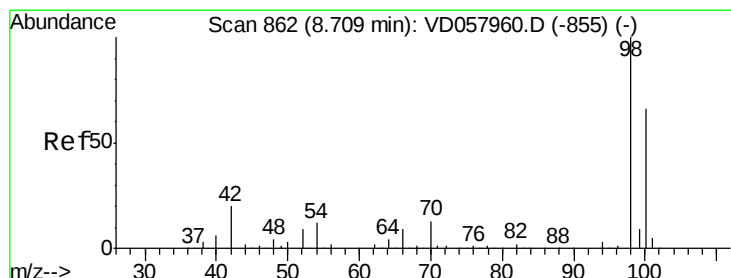
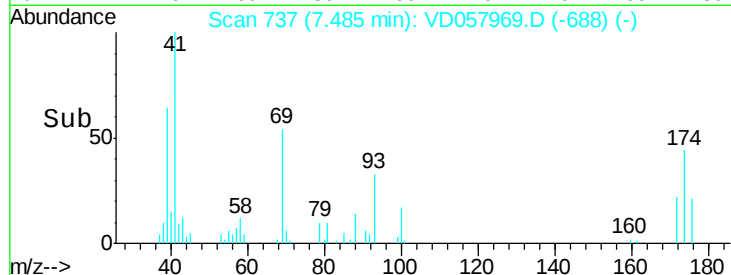
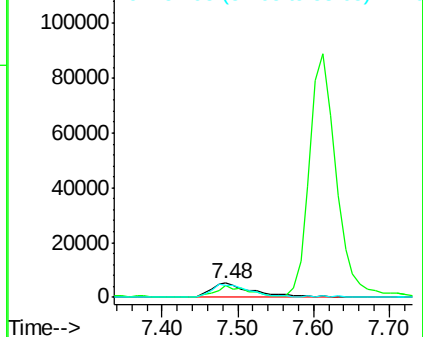
88 100

43 88.2 46.6 69.8#

58 81.3 63.6 95.4



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: 372.454 ug/l

RT: 8.71 min Scan# 861

Delta R.T. -0.00 min

Lab File: VD057969.D

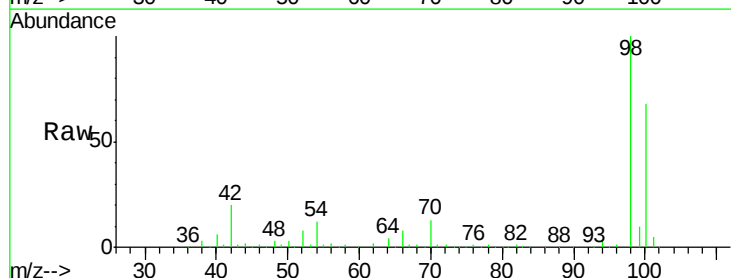
Acq: 7 Jun 2018 14:01

Tgt Ion: 98 Resp: 1116209

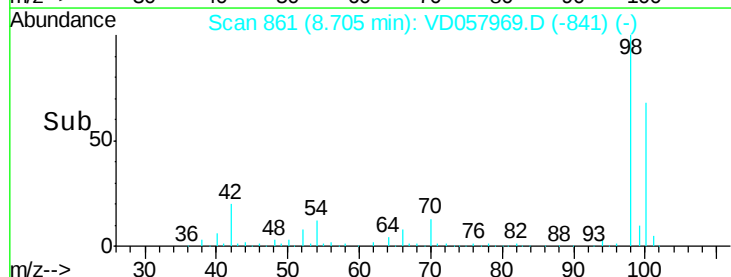
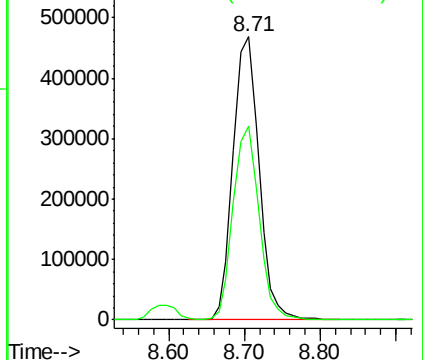
Ion Ratio Lower Upper

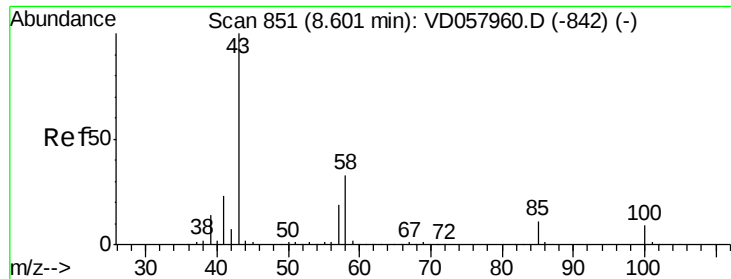
98 100

100 68.4 53.4 80.0



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: 108.255 ug/l

RT: 8.59 min Scan# 849

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

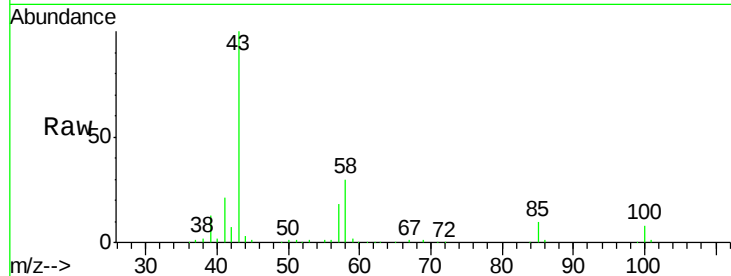
VD0607SBSD01

Tot Ion: 43 Resp: 719627

Ion Ratio Lower Upper

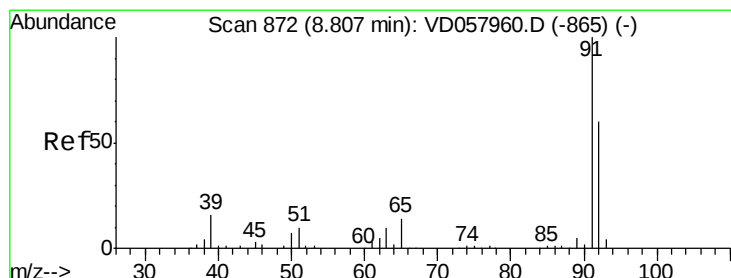
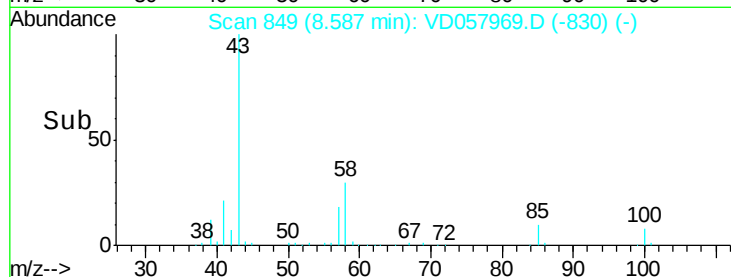
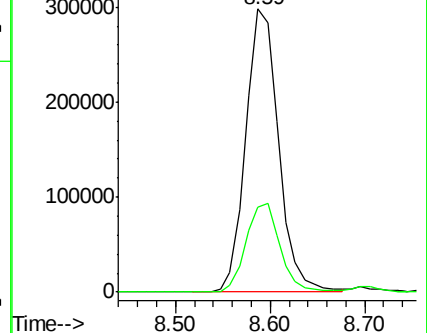
43 100

58 30.2 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.295 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.01 min

Lab File: VD057969.D

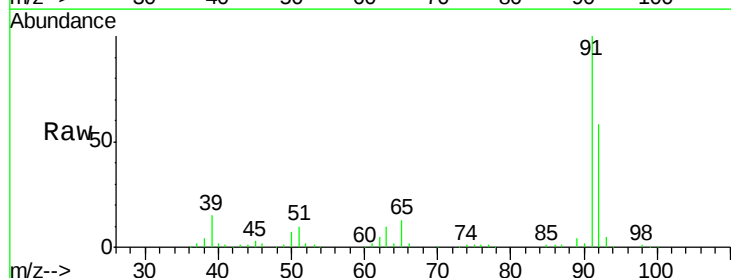
Acq: 7 Jun 2018 14:01

Tgt Ion: 92 Resp: 394550

Ion Ratio Lower Upper

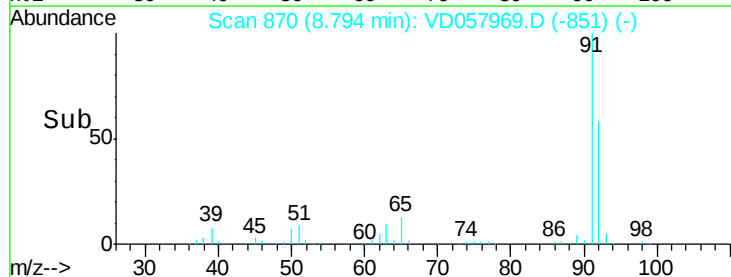
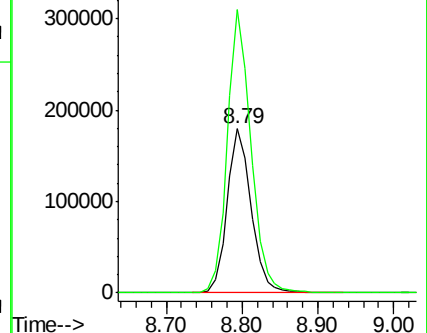
92 100

91 172.6 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

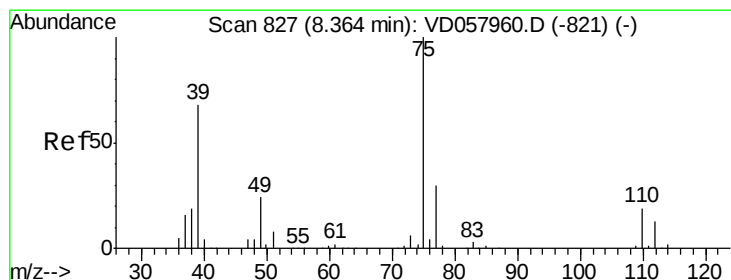
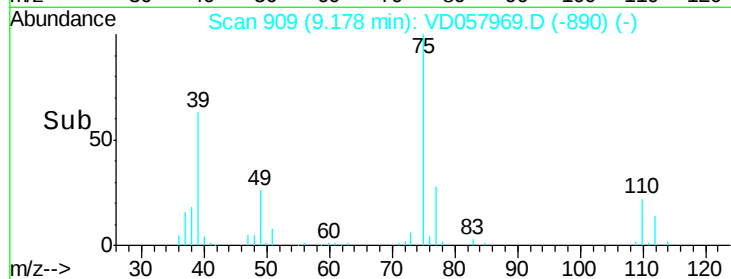
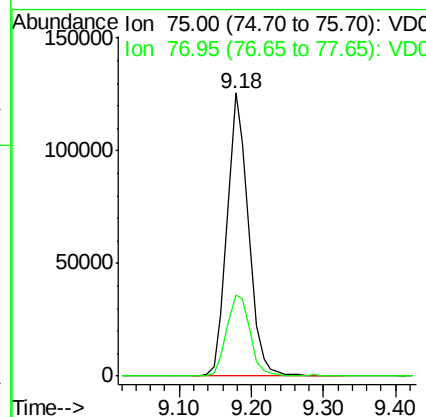
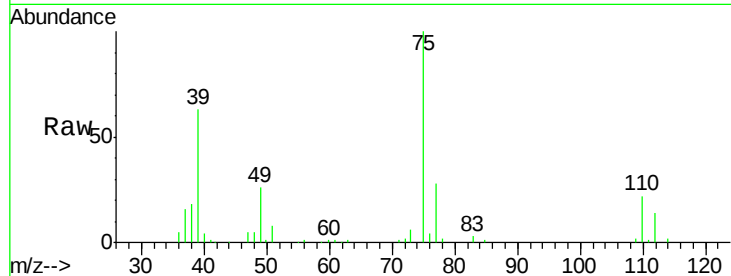




#53
 t-1,3-Dichloropropene
 Concen: 21.032 ug/l
 RT: 9.18 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

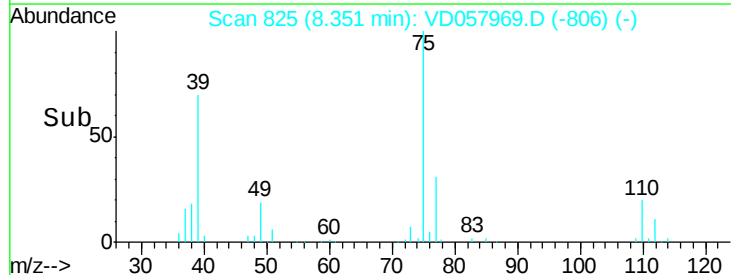
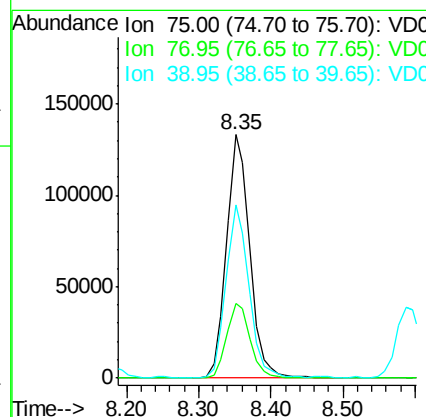
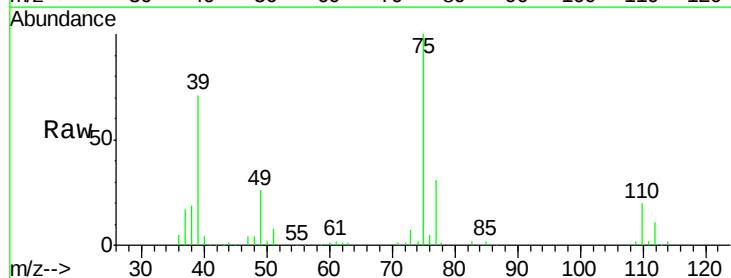
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBSD01

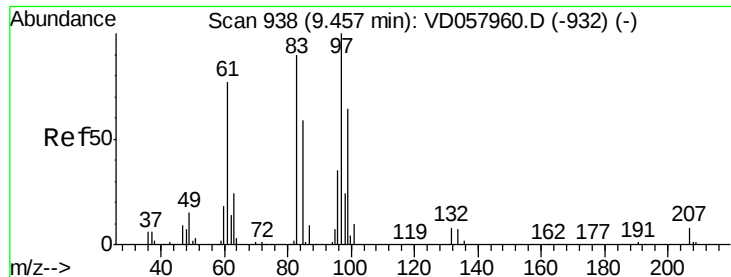
Tot Ion: 75 Resp: 256605
 Ion Ratio Lower Upper
 75 100
 77 28.5 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 20.642 ug/l
 RT: 8.35 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

Tgt Ion: 75 Resp: 296707
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.1 36.1
 39 71.3 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 20.543 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

Tot Ion: 97 Resp: 129257

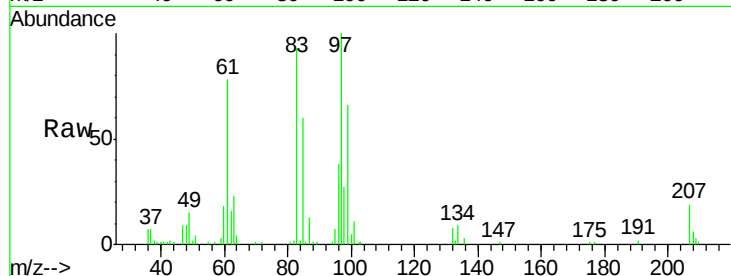
Ion	Ratio	Lower	Upper
97	100		
83	93.4	71.8	107.8
85	60.4	47.2	70.8
99	66.3	51.4	77.0

97 100

83 93.4 71.8 107.8

85 60.4 47.2 70.8

99 66.3 51.4 77.0



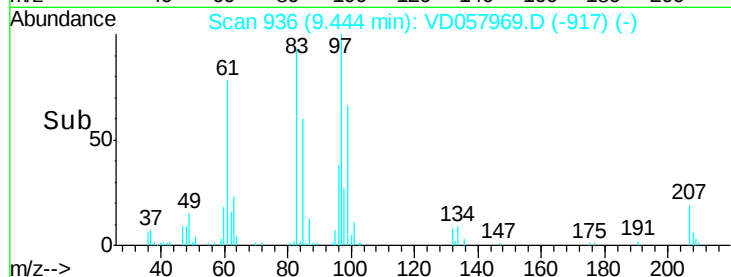
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

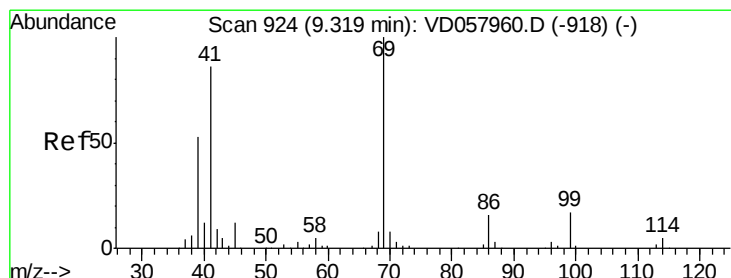
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 21.010 ug/l

RT: 9.31 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

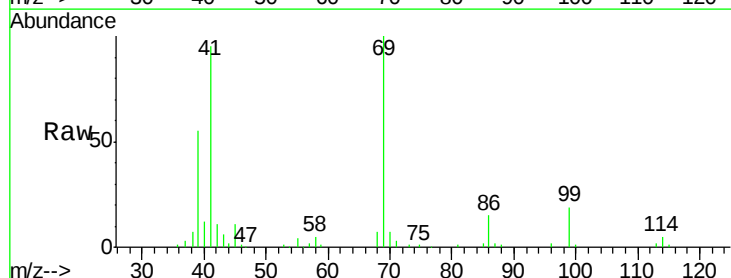
Tgt Ion: 69 Resp: 162158

Ion	Ratio	Lower	Upper
69	100		
41	95.1	68.4	102.6
39	54.7	43.0	64.4

69 100

41 95.1 68.4 102.6

39 54.7 43.0 64.4

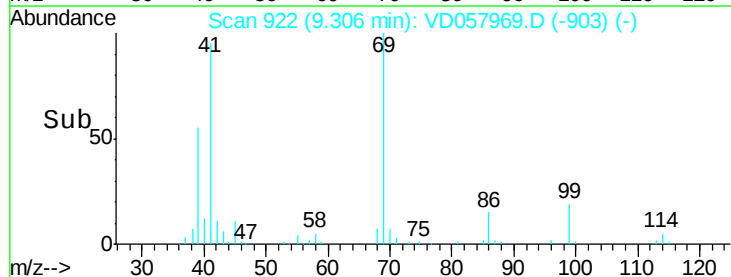


Abundance Ion 69.00 (68.70 to 69.70): VDC

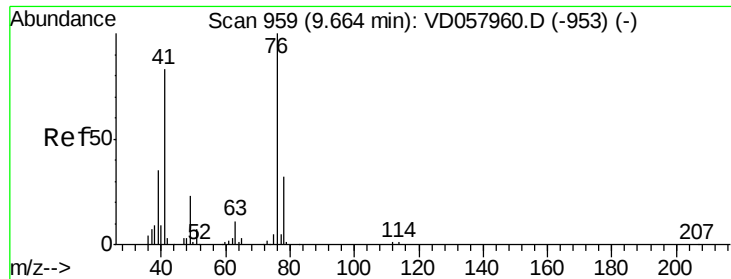
Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Time-->



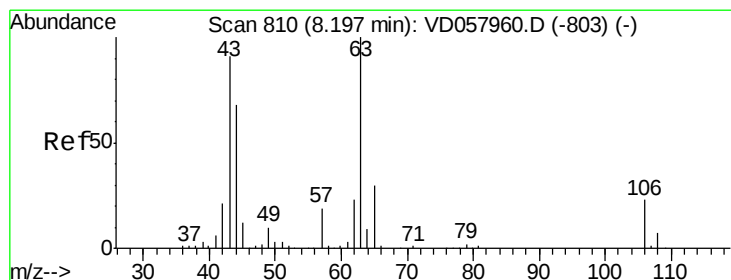
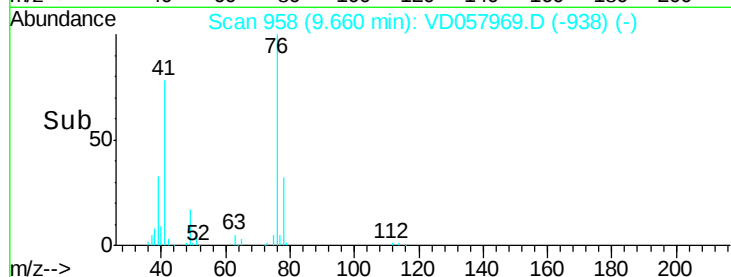
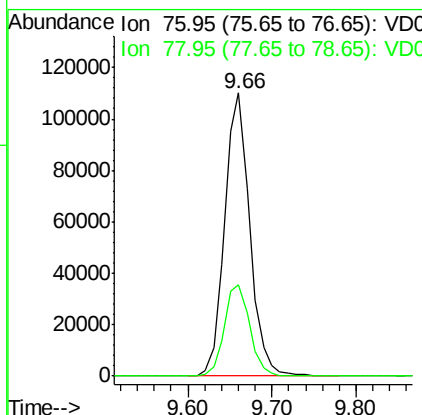
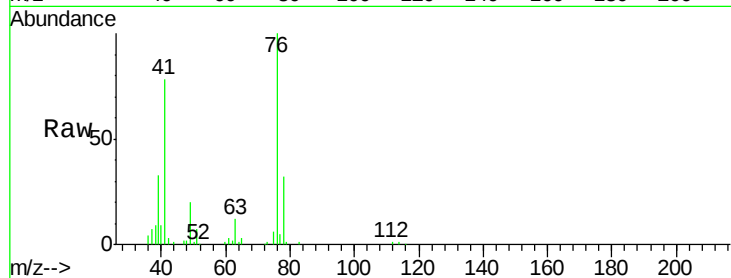
Time-->



#57
 1,3-Dichloropropane
 Concen: 20.584 ug/l
 RT: 9.66 min Scan# 958
 Delta R.T. -0.00 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

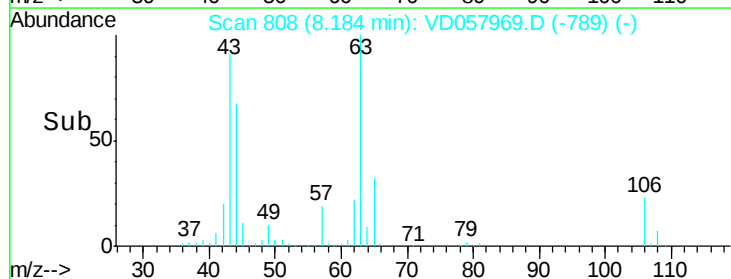
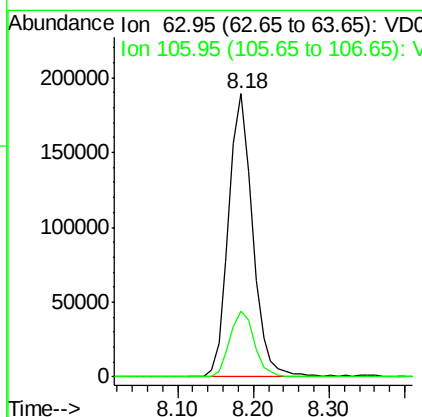
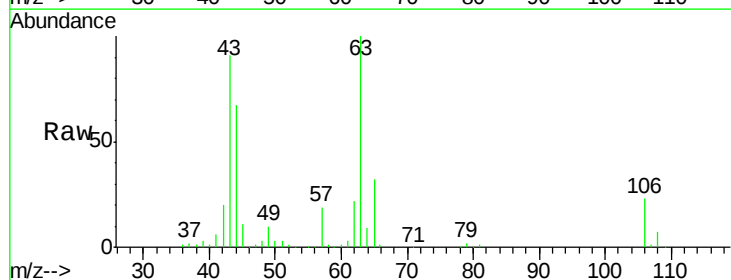
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBSD01

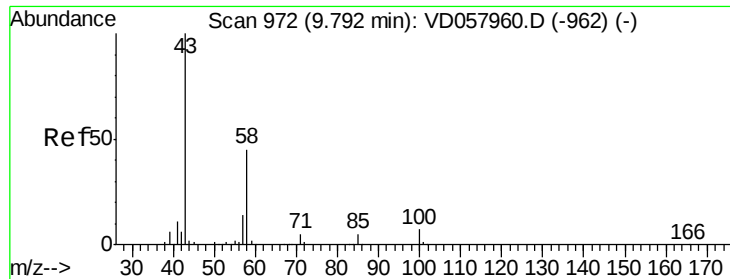
Tot Ion: 76 Resp: 227153
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.026 ug/l
 RT: 8.18 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

Tgt Ion: 63 Resp: 417333
 Ion Ratio Lower Upper
 63 100
 106 23.5 18.7 28.1

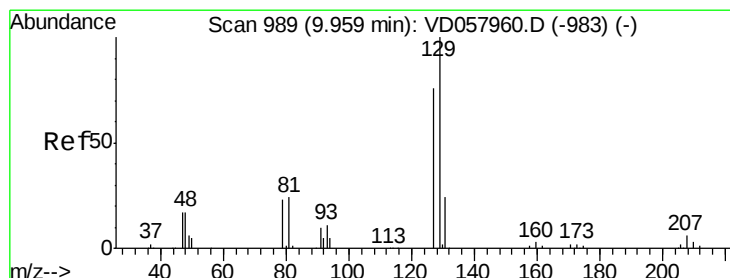
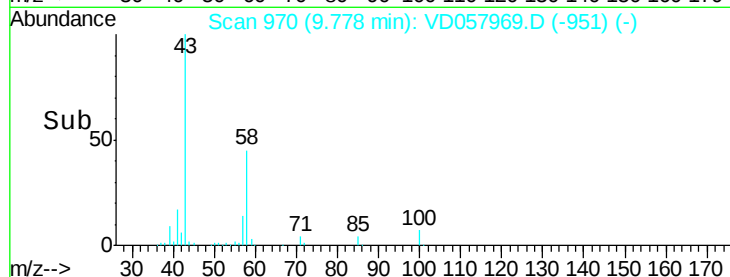
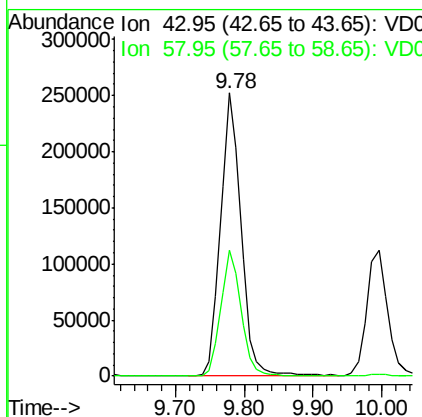
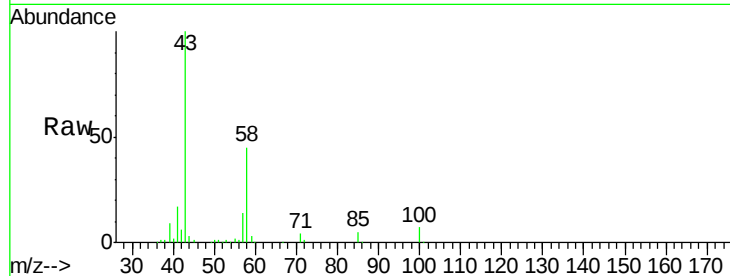




#59
2-Hexanone
Concen: 107.666 ug/l
RT: 9.78 min Scan# 970
Delta R.T. -0.01 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

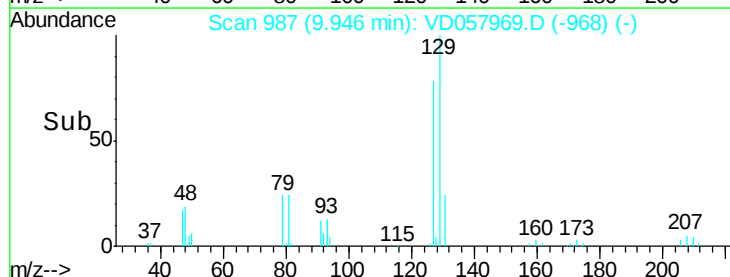
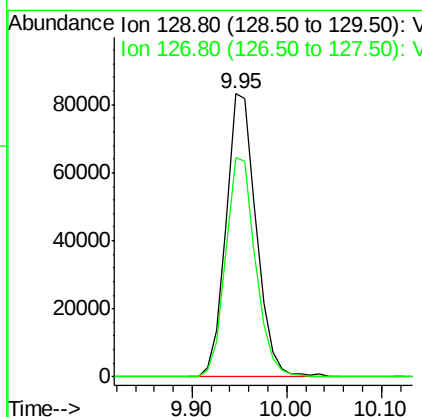
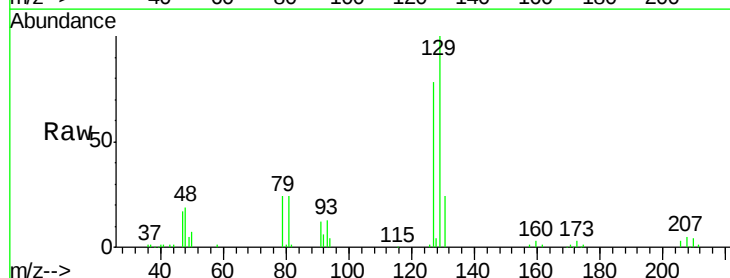
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

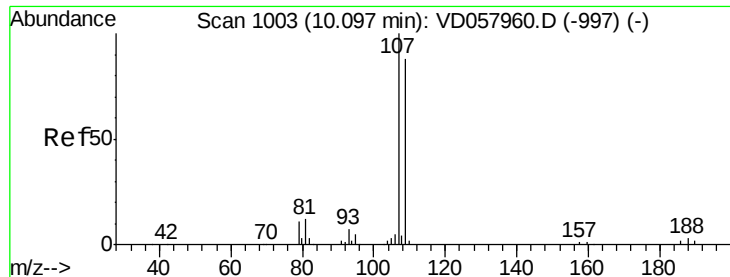
Tot Ion: 43 Resp: 524499
Ion Ratio Lower Upper
43 100
58 44.7 22.5 67.5



#60
Dibromochloromethane
Concen: 20.735 ug/l
RT: 9.95 min Scan# 987
Delta R.T. -0.01 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion: 129 Resp: 183971
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.530 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

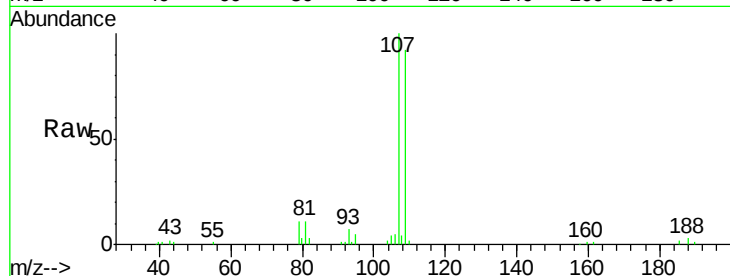
VD0607SBSD01

Tot Ion:107 Resp: 148553

Ion Ratio Lower Upper

107 100

109 91.5 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.08

80000

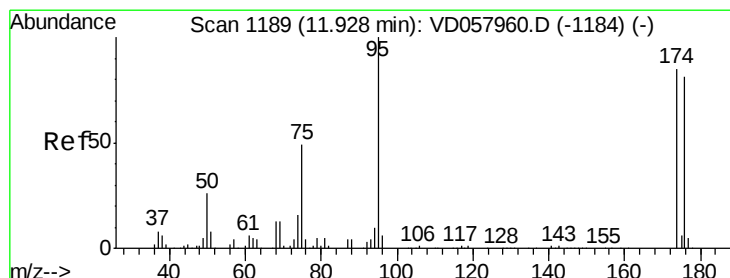
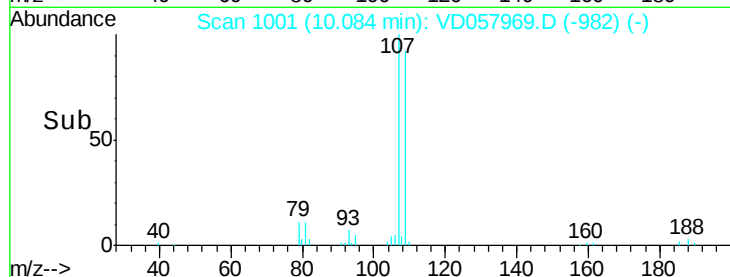
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.530 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

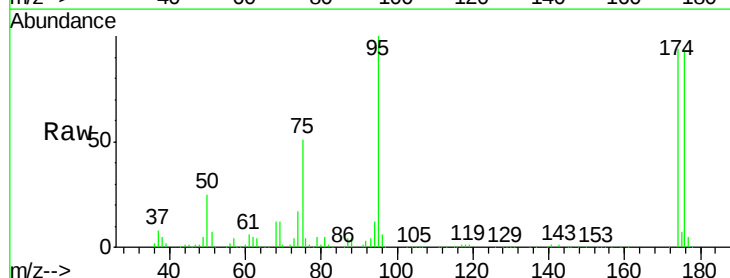
Tgt Ion: 95 Resp: 486788

Ion Ratio Lower Upper

95 100

174 94.3 0.0 169.4

176 92.8 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.92

400000

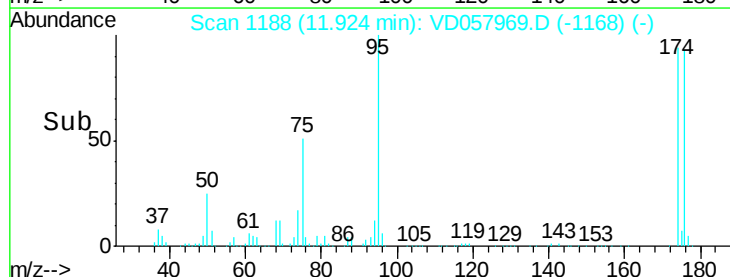
300000

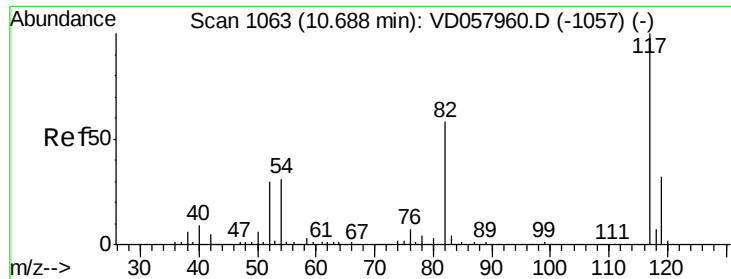
200000

100000

0

Time-->

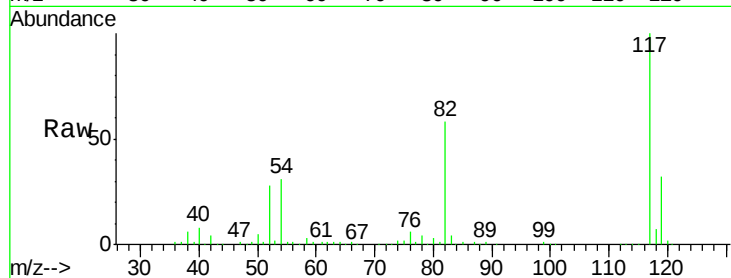




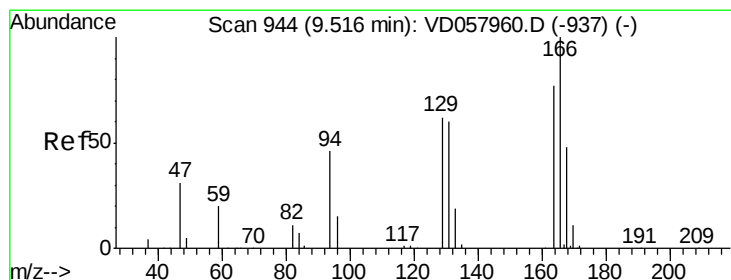
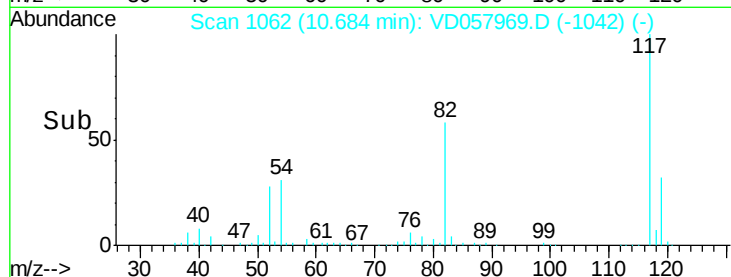
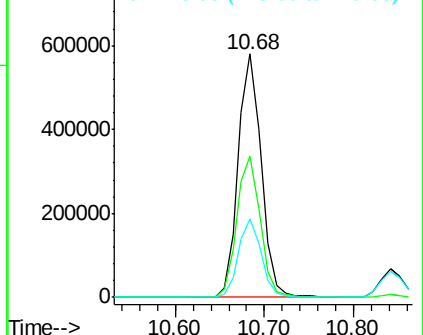
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

Tot Ion:117 Resp: 1052672
Ion Ratio Lower Upper
117 100
82 58.1 46.8 70.2
119 32.1 25.8 38.6

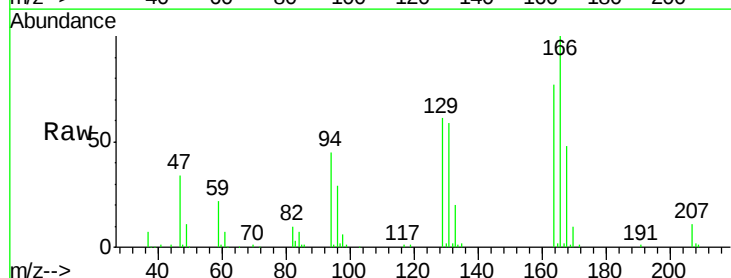


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

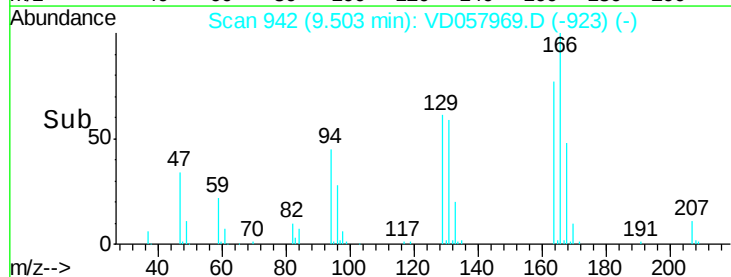
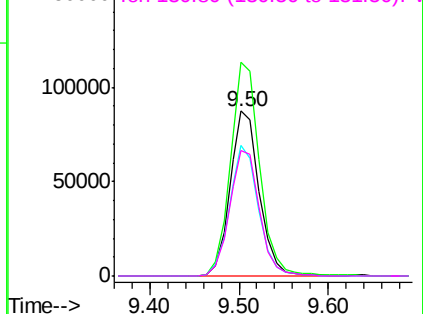


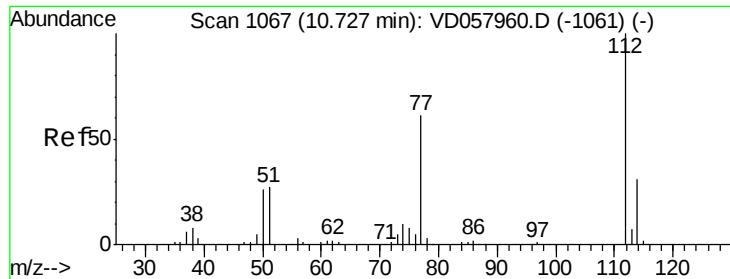
#64
Tetrachloroethene
Concen: 21.104 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.01 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion:164 Resp: 198604
Ion Ratio Lower Upper
164 100
166 129.7 104.4 156.6
129 79.5 65.0 97.6
131 76.3 62.9 94.3



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

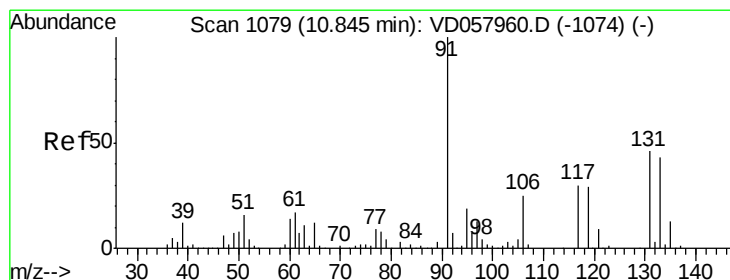
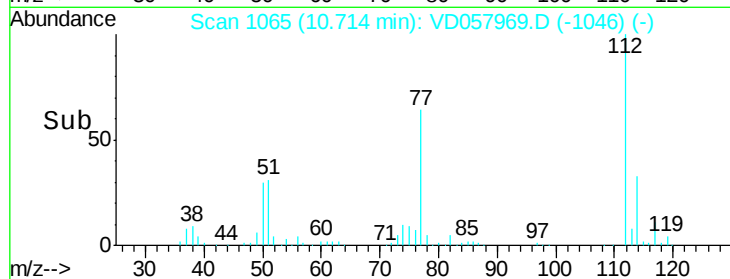
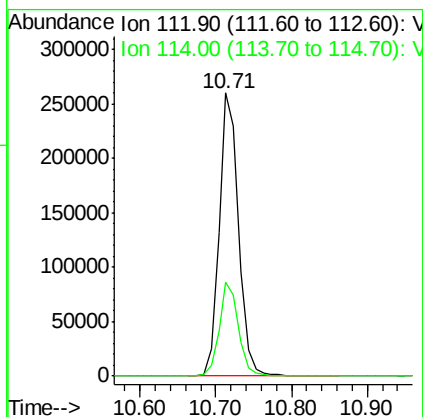
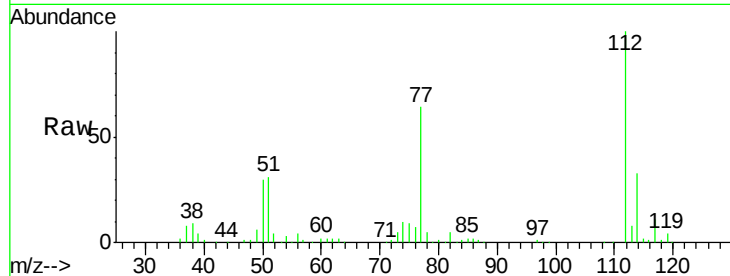




#65
Chlorobenzene
Concen: 21.744 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

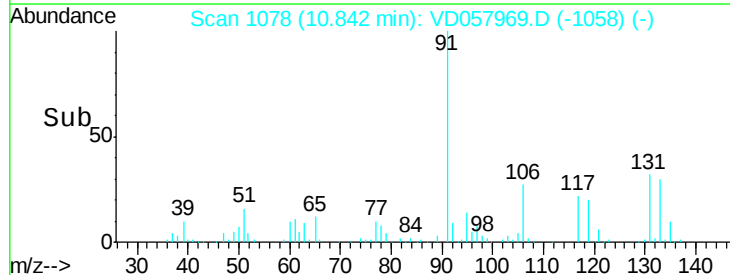
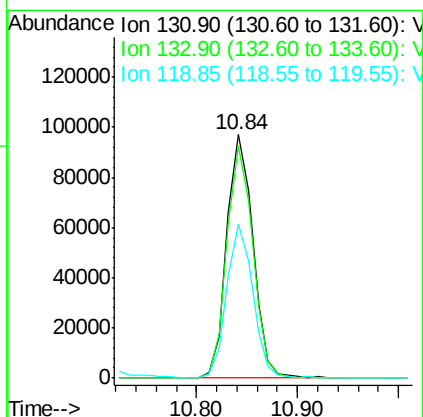
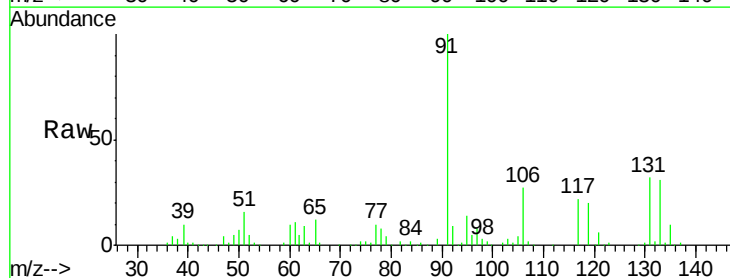
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

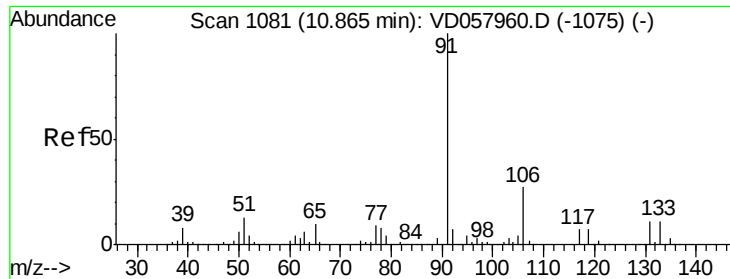
Tot Ion:112 Resp: 463385
Ion Ratio Lower Upper
112 100
114 33.4 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.471 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion:131 Resp: 175793
Ion Ratio Lower Upper
131 100
133 95.1 46.9 140.6
119 63.4 31.8 95.3





#67

Ethyl Benzene

Concen: 21.411 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

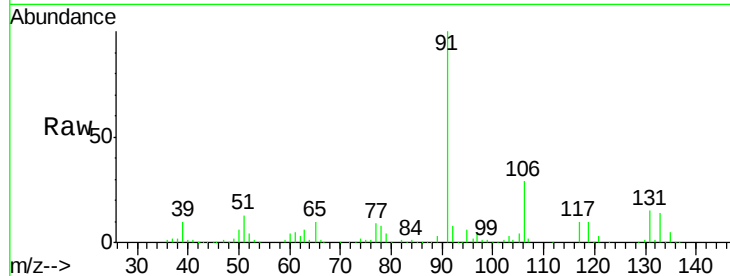
VD0607SBS01

Tot Ion: 91 Resp: 824339

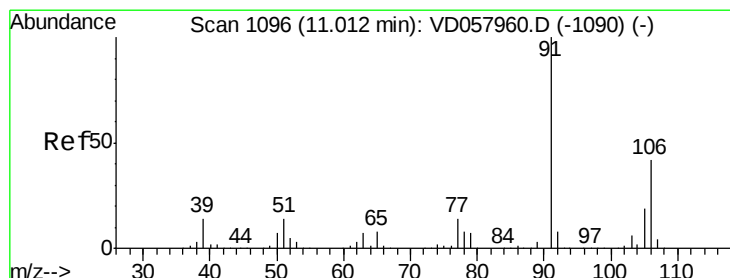
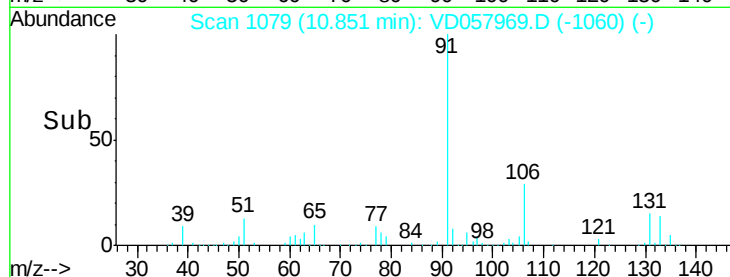
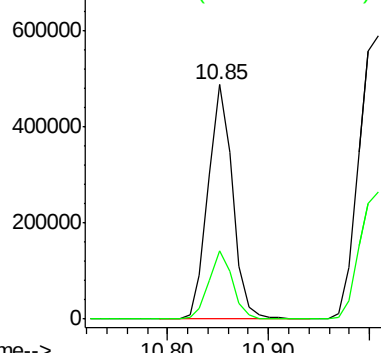
Ion Ratio Lower Upper

91 100

106 28.9 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 45.611 ug/l

RT: 11.01 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VD057969.D

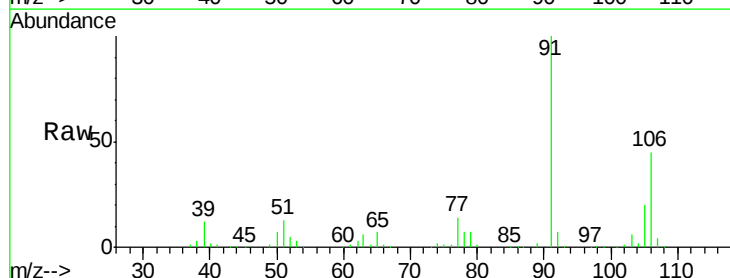
Acq: 7 Jun 2018 14:01

Tgt Ion: 106 Resp: 572465

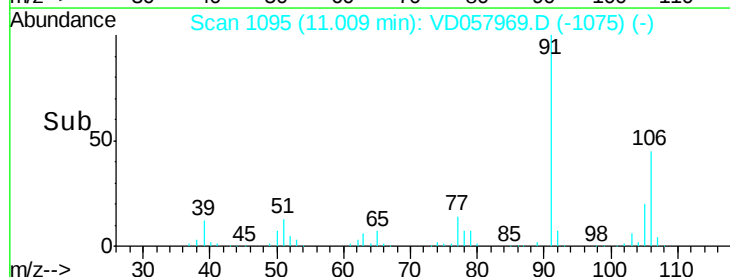
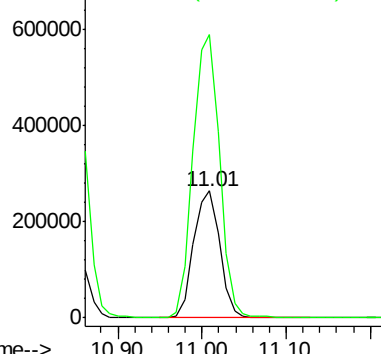
Ion Ratio Lower Upper

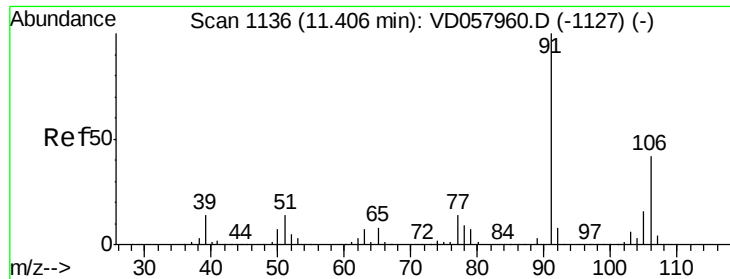
106 100

91 222.9 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): V

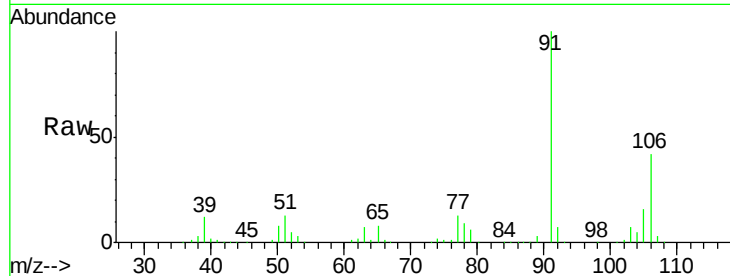




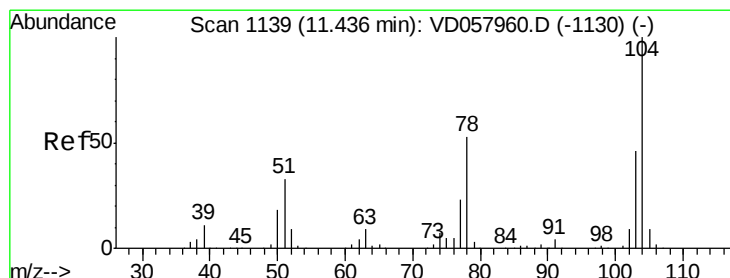
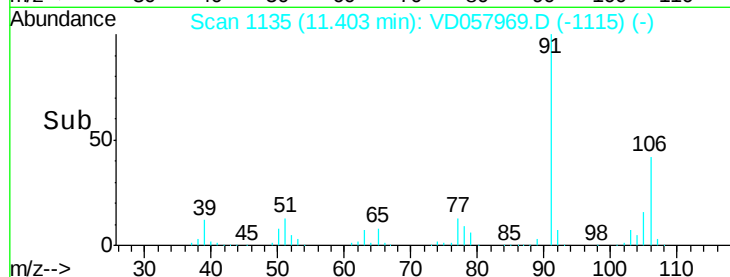
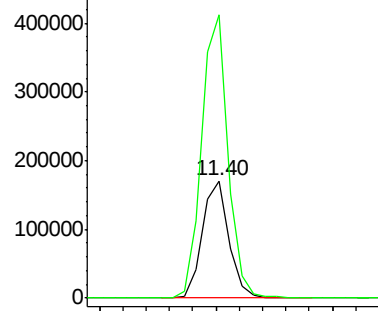
#69
o-Xylene
Concen: 21.718 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

Tot Ion:106 Resp: 270569
Ion Ratio Lower Upper
106 100
91 240.8 120.6 361.7

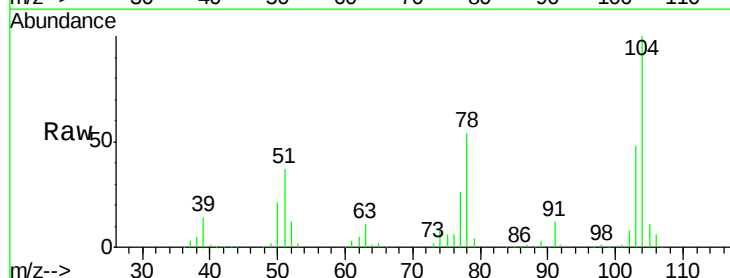


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

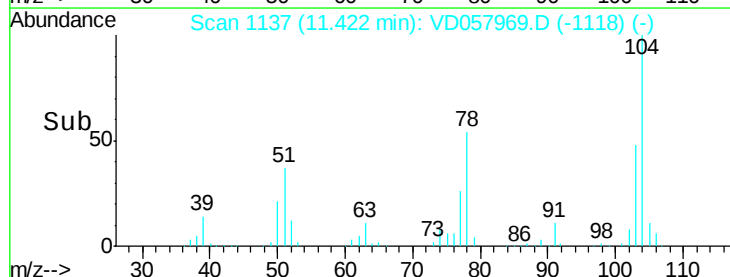
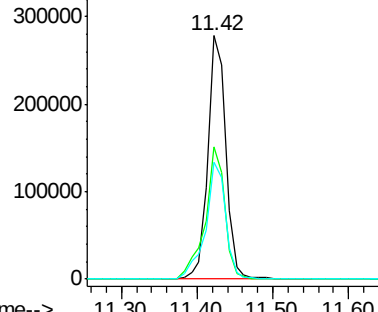


#70
Styrene
Concen: 21.804 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion:104 Resp: 449694
Ion Ratio Lower Upper
104 100
78 54.1 42.1 63.1
103 48.1 37.0 55.6



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

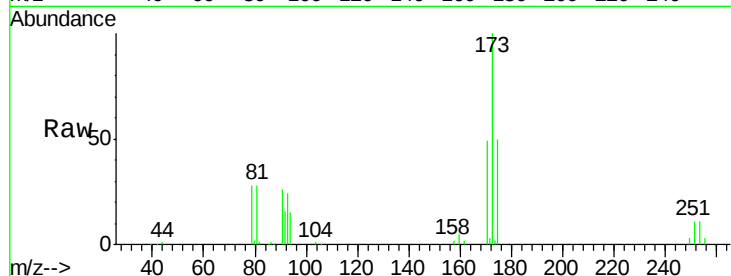




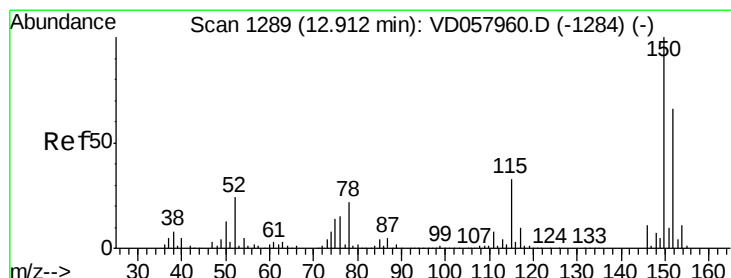
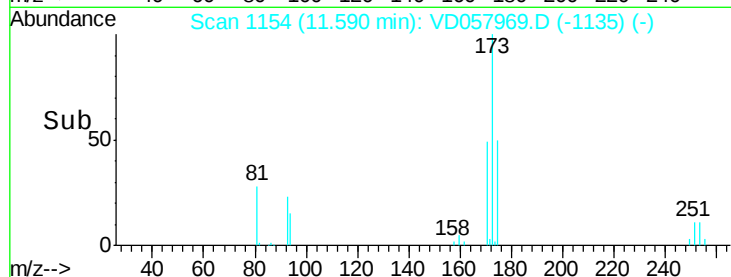
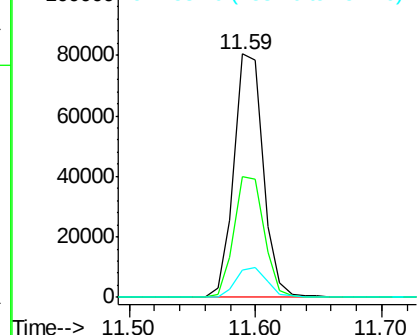
#71
Bromoform
Concen: 20.880 ug/l
RT: 11.59 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

Tot Ion:173 Resp: 128608
Ion Ratio Lower Upper
173 100
175 49.8 25.1 75.2
254 11.1 10.7 16.1

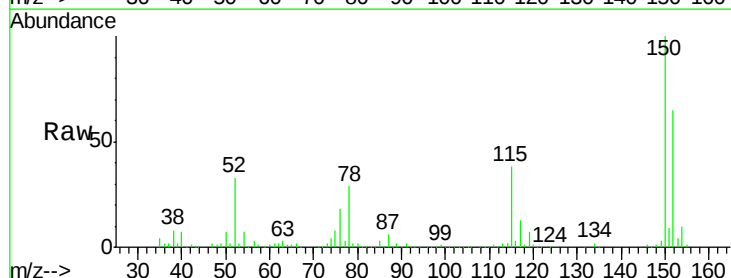


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

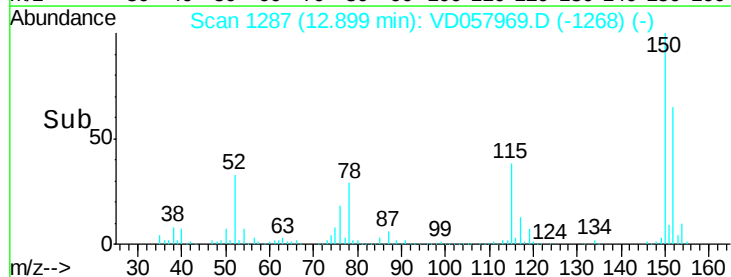
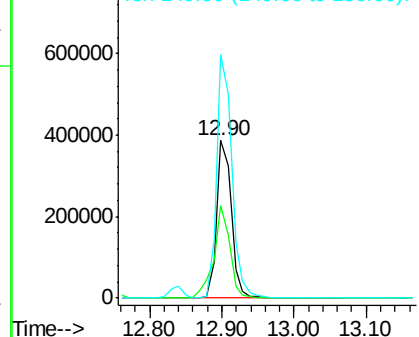


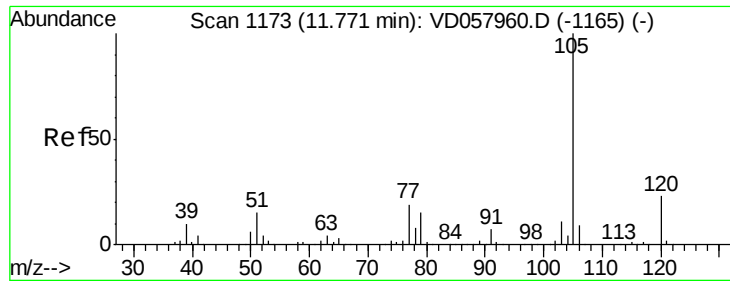
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion:152 Resp: 536713
Ion Ratio Lower Upper
152 100
115 58.8 25.6 76.6
150 154.3 0.0 306.8



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





#73

Isopropylbenzene

Concen: 21.915 ug/l

RT: 11.77 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

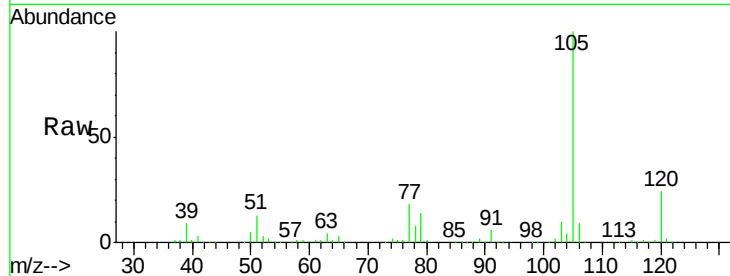
VD0607SBS01

Tot Ion:105 Resp: 779059

Ion Ratio Lower Upper

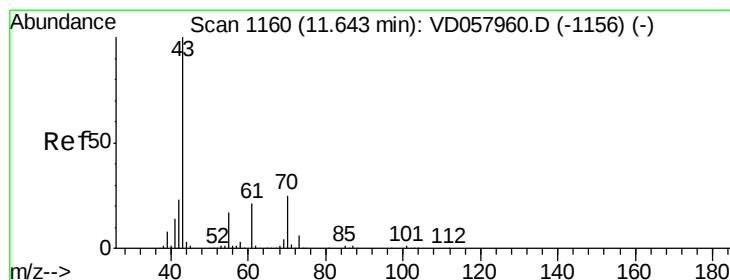
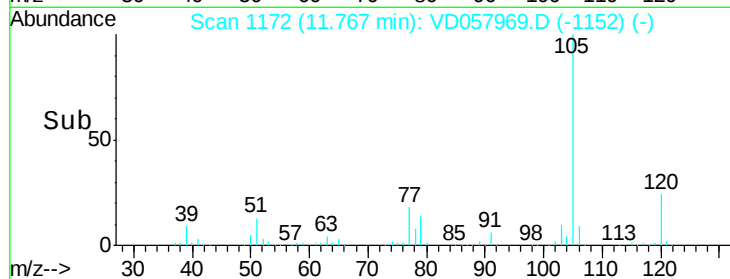
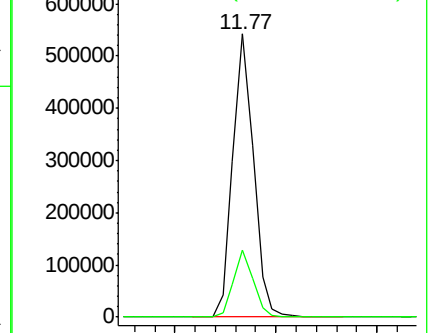
105 100

120 23.7 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.165 ug/l

RT: 11.64 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Tgt Ion: 43 Resp: 276614

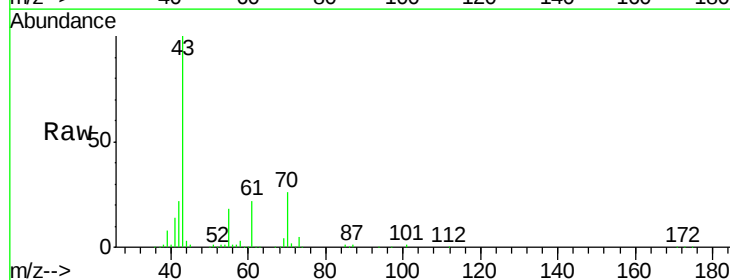
Ion Ratio Lower Upper

43 100

70 25.9 20.3 30.5

55 17.9 13.9 20.9

61 21.7 16.6 24.8

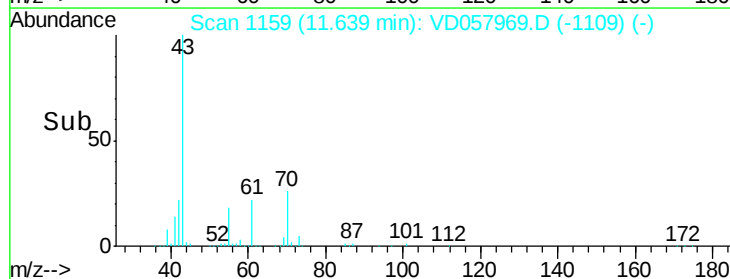
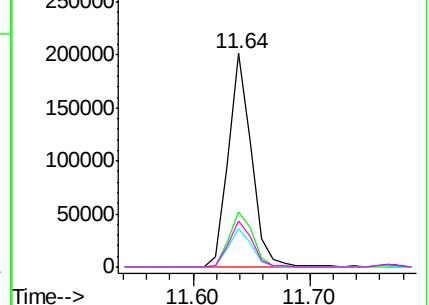


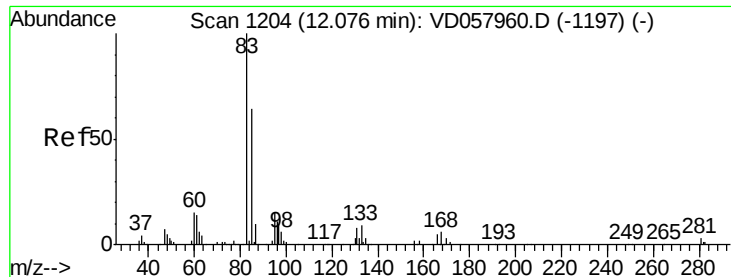
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.782 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

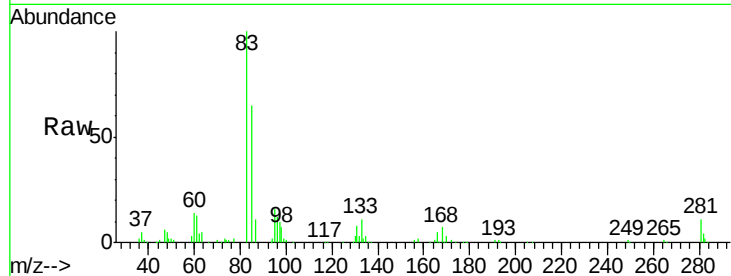
Tot Ion: 83 Resp: 161076

Ion Ratio Lower Upper

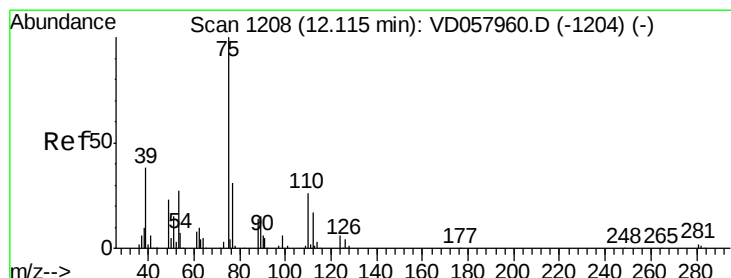
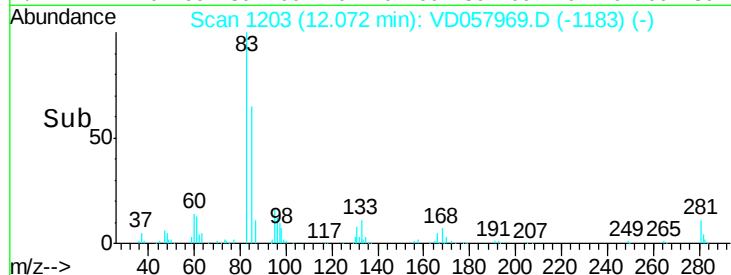
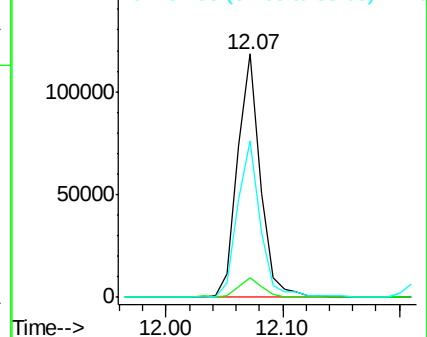
83 100

131 8.2 4.2 12.6

85 64.5 31.9 95.5



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: 21.006 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. -0.01 min

Lab File: VD057969.D

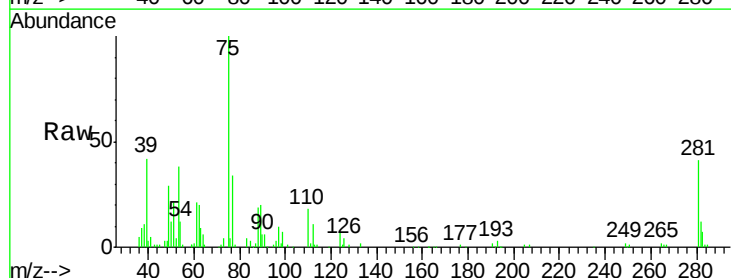
Acq: 7 Jun 2018 14:01

Tgt Ion: 75 Resp: 169352

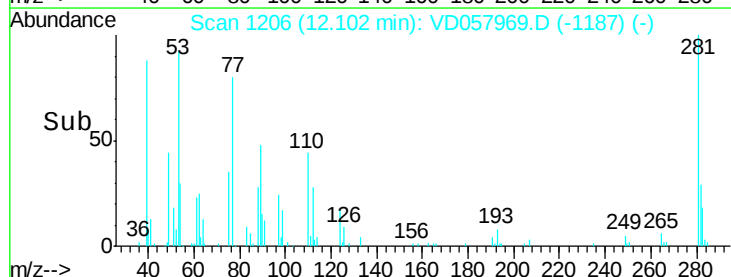
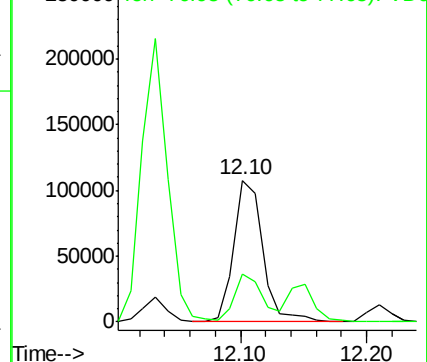
Ion Ratio Lower Upper

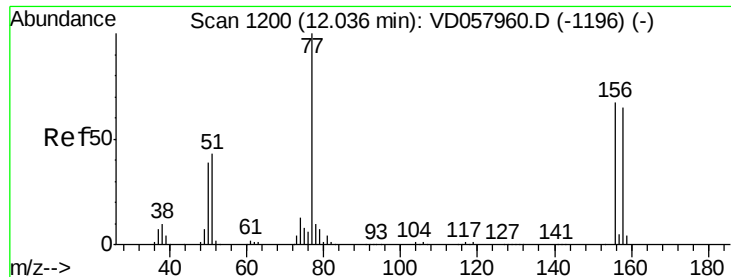
75 100

77 33.9 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.351 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBSD01

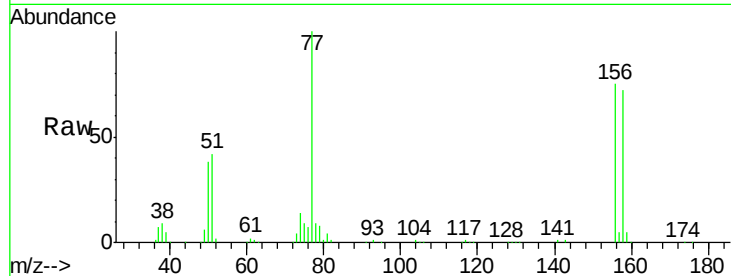
Tot Ion:156 Resp: 224667

Ion Ratio Lower Upper

156 100

77 132.7 75.0 224.8

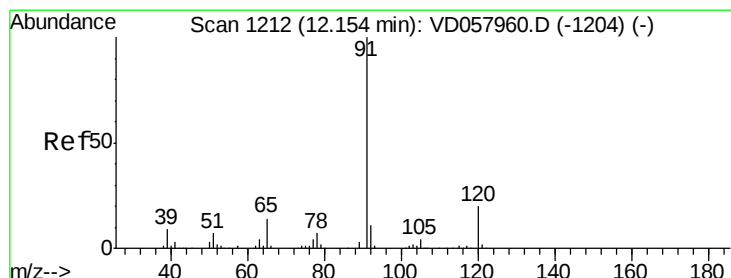
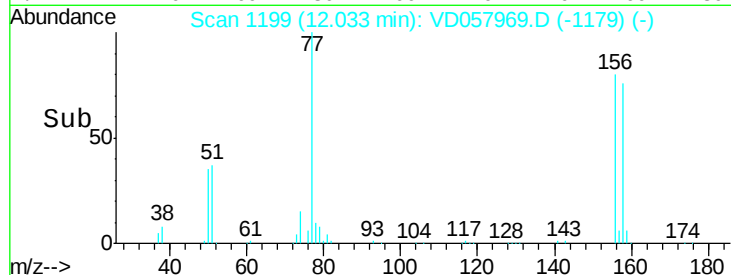
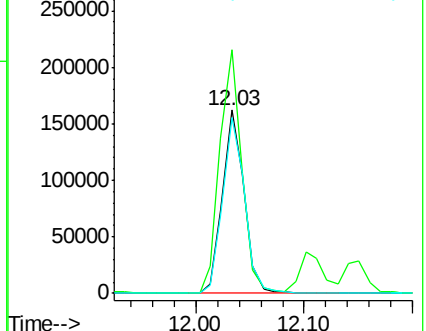
158 95.7 48.6 145.9



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: 21.333 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD057969.D

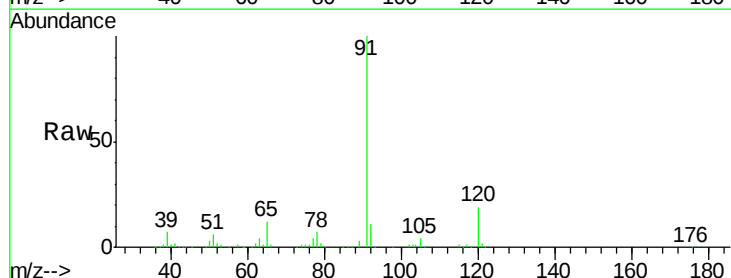
Acq: 7 Jun 2018 14:01

Tgt Ion: 91 Resp: 986821

Ion Ratio Lower Upper

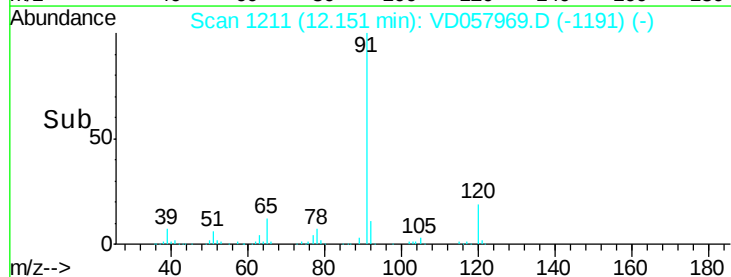
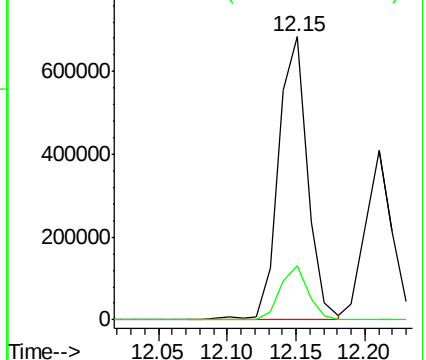
91 100

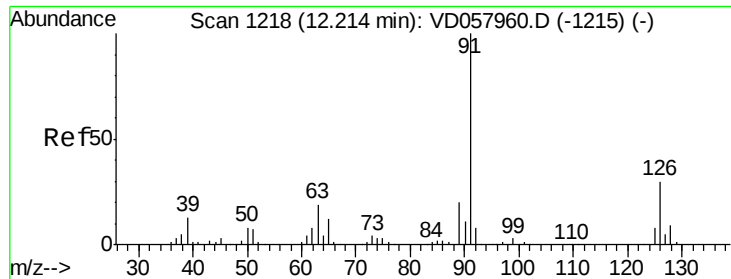
120 19.3 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

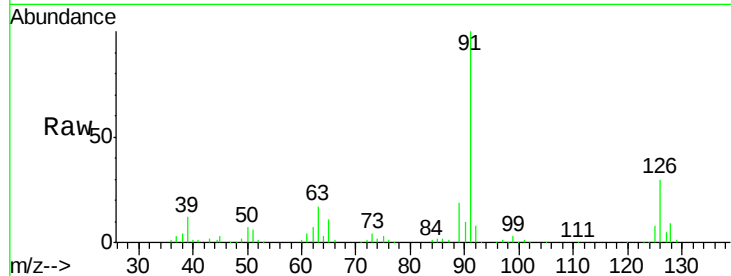




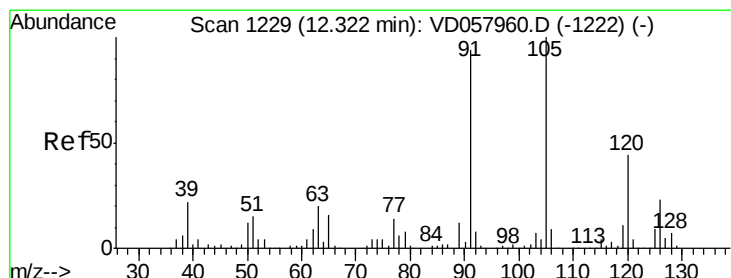
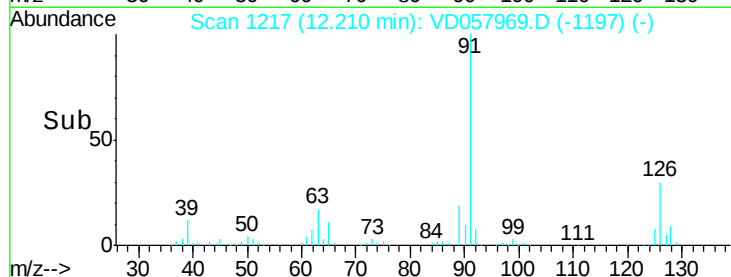
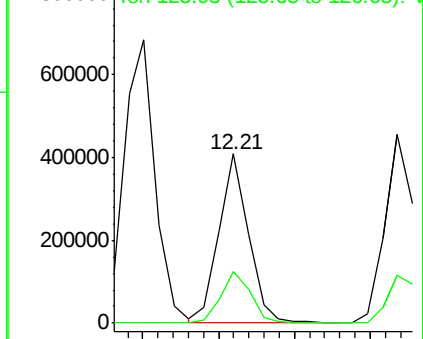
#79
 2-Chlorotoluene
 Concen: 21.115 ug/l
 RT: 12.21 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBSD01

Tot Ion: 91 Resp: 557220
 Ion Ratio Lower Upper
 91 100
 126 30.3 14.6 44.0

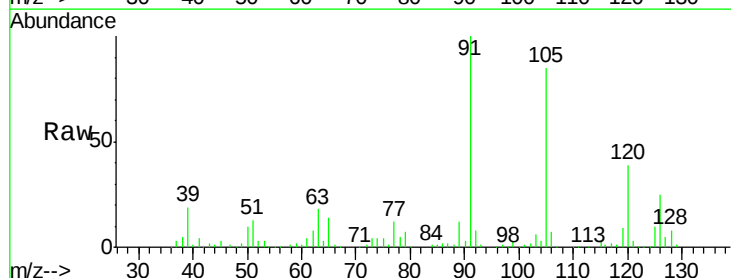


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

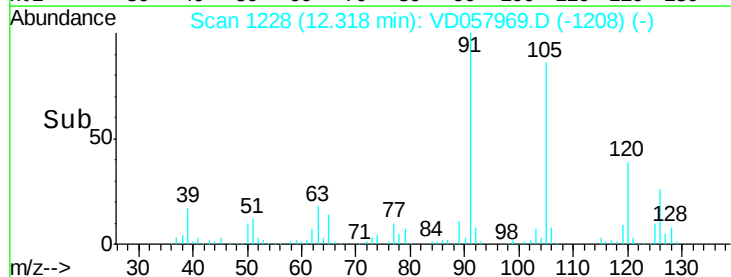
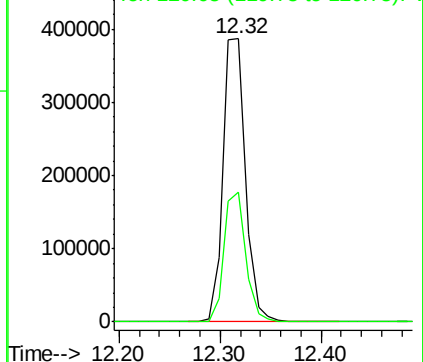


#80
 1,3,5-Trimethylbenzene
 Concen: 21.602 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

Tgt Ion: 105 Resp: 598883
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.0 66.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 21.570 ug/l

RT: 11.84 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VD057969.D

Acq: 7 Jun 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

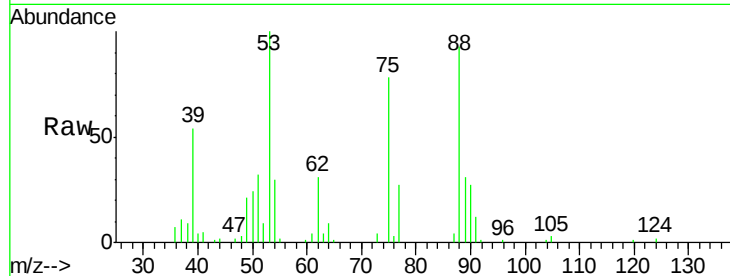
Tot Ion: 75 Resp: 43073

Ion Ratio Lower Upper

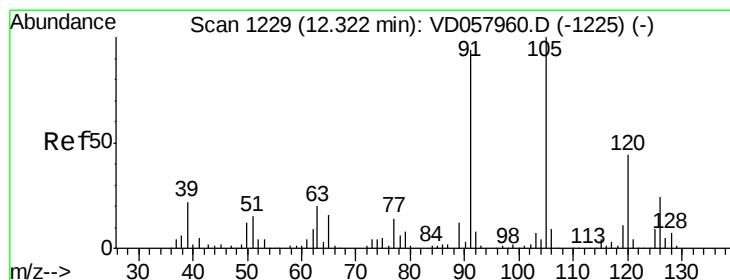
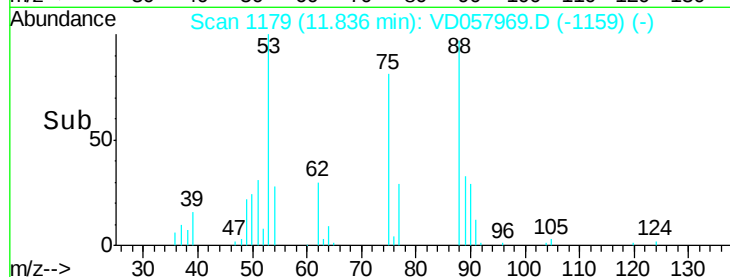
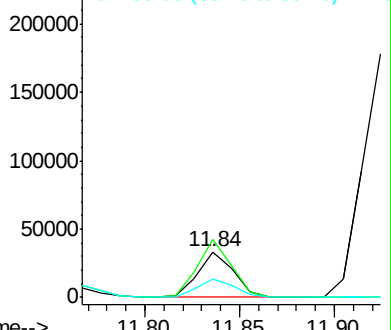
75 100

53 128.2 89.3 133.9

89 40.0 33.3 49.9



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



#82

4-Chlorotoluene

Concen: 22.703 ug/l

RT: 12.32 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VD057969.D

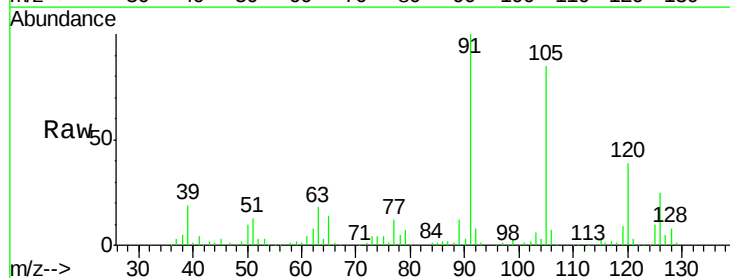
Acq: 7 Jun 2018 14:01

Tgt Ion: 91 Resp: 627237

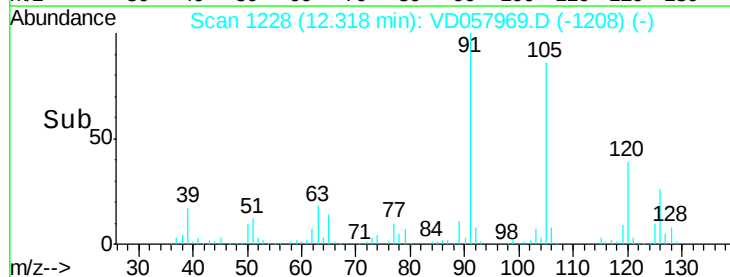
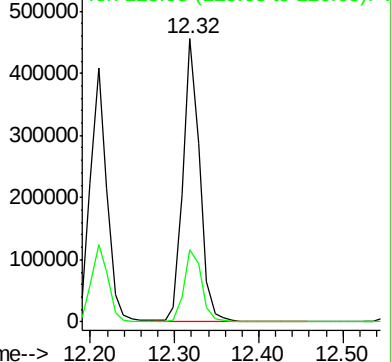
Ion Ratio Lower Upper

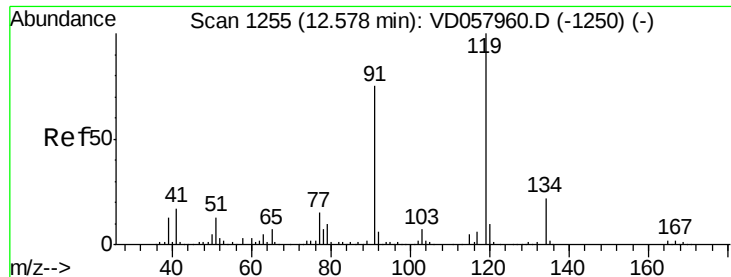
91 100

126 25.3 12.5 37.5



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

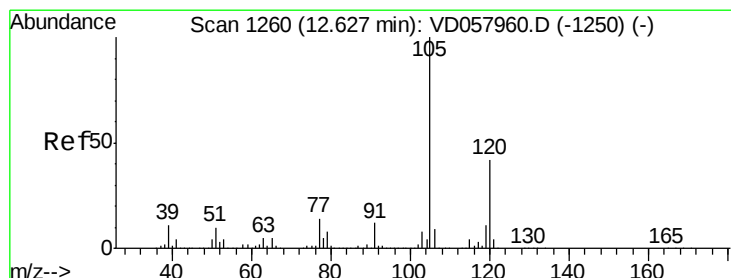
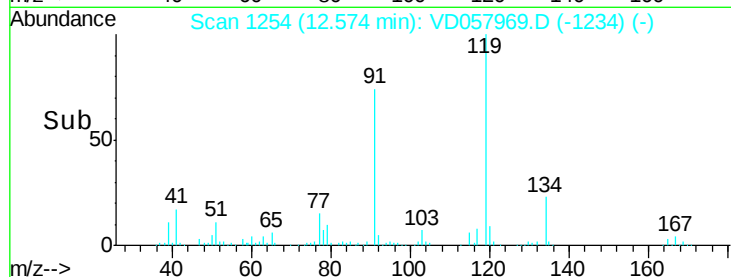
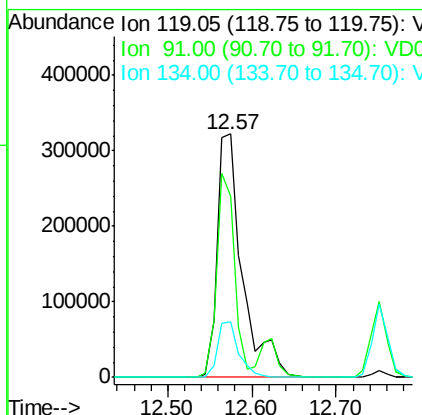
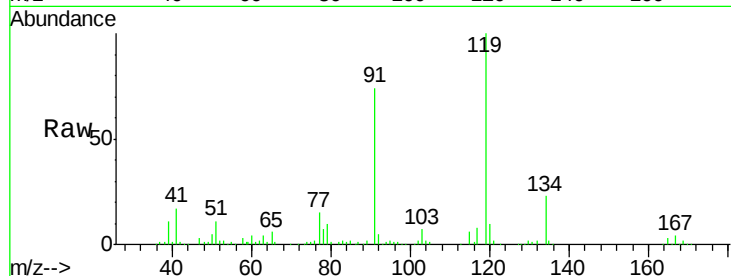




#83
 tert-Butylbenzene
 Concen: 21.448 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

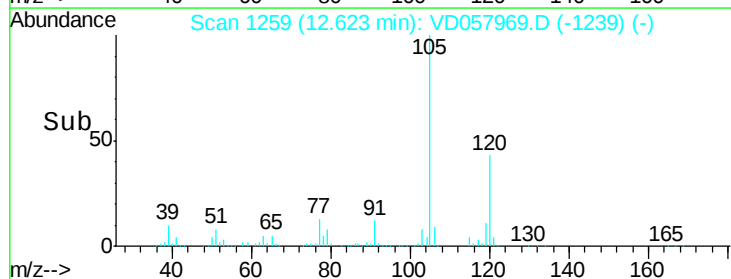
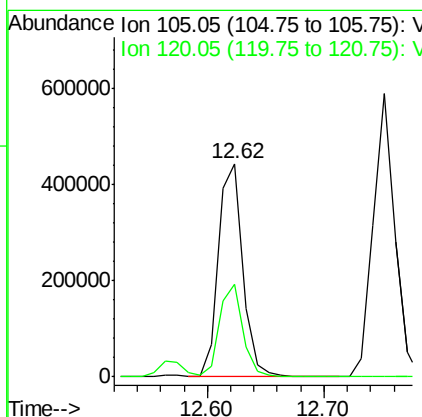
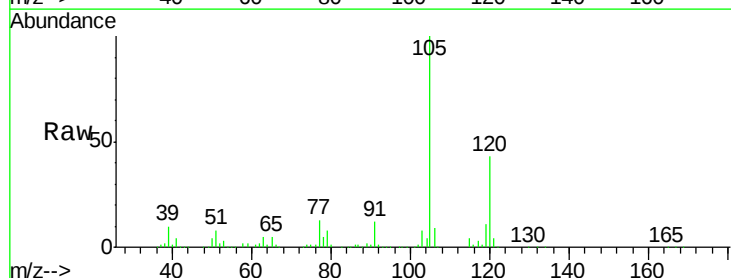
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

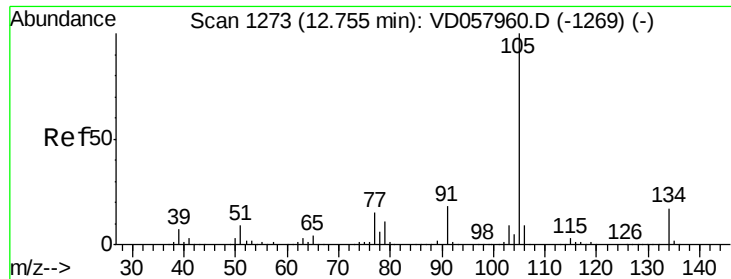
Tot Ion:119 Resp: 671398
 Ion Ratio Lower Upper
 119 100
 91 74.3 37.6 112.9
 134 22.9 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.330 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

Tgt Ion:105 Resp: 635822
 Ion Ratio Lower Upper
 105 100
 120 43.3 21.2 63.6

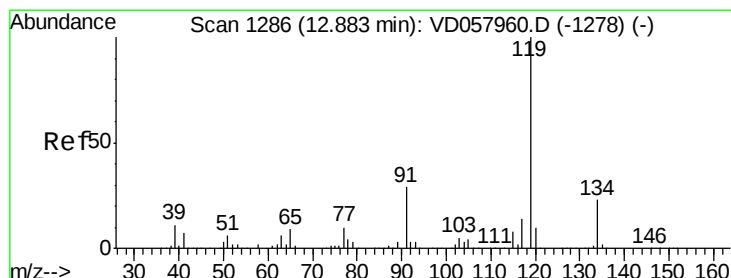
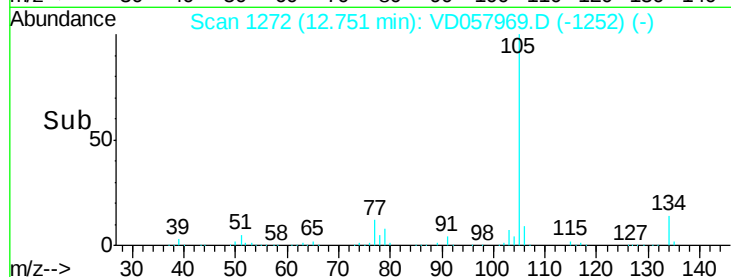
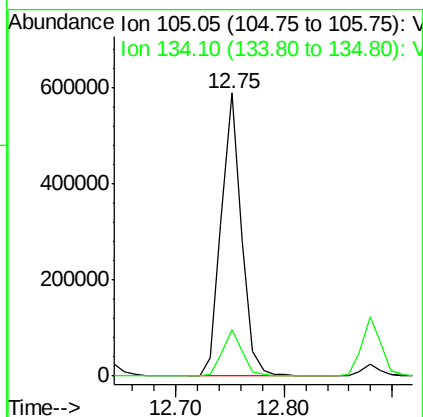
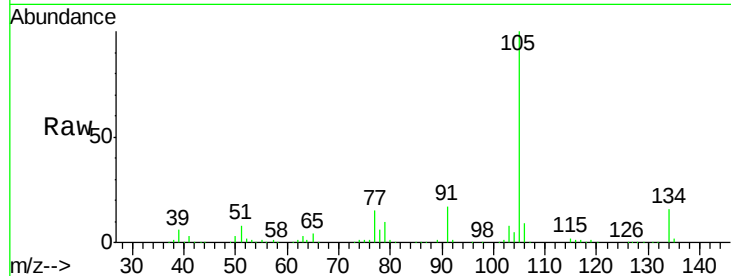




#85
 sec-Butylbenzene
 Concen: 20.229 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

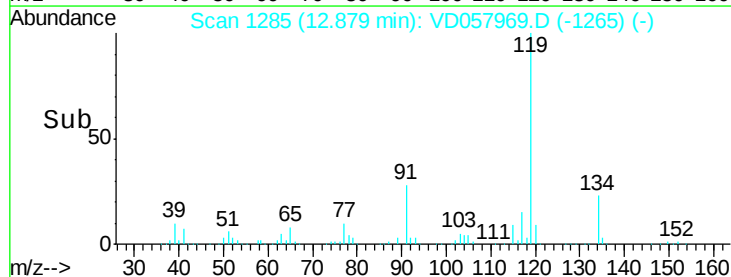
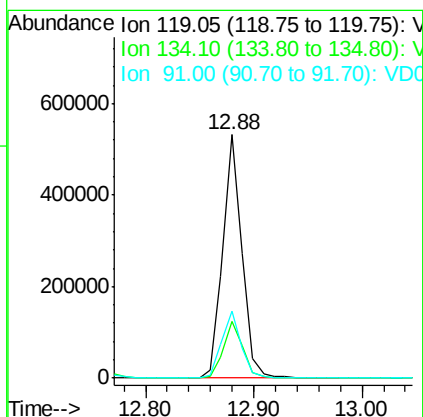
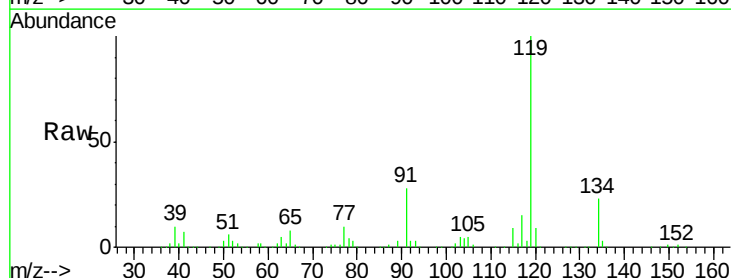
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

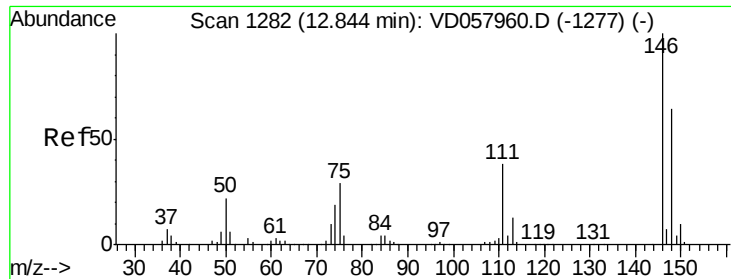
Tot Ion:105 Resp: 764253
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 21.464 ug/l
 RT: 12.88 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

Tgt Ion:119 Resp: 653584
 Ion Ratio Lower Upper
 119 100
 134 23.4 11.5 34.4
 91 27.7 14.5 43.6

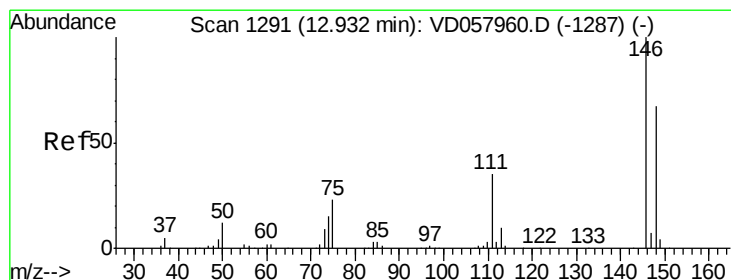
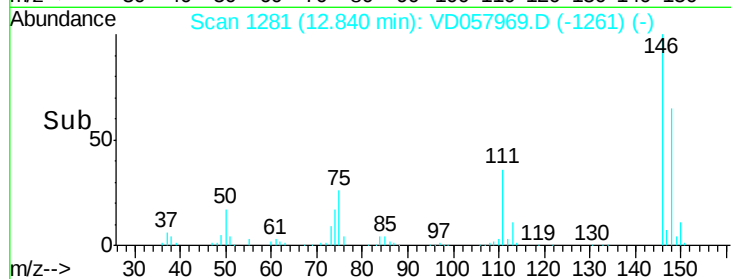
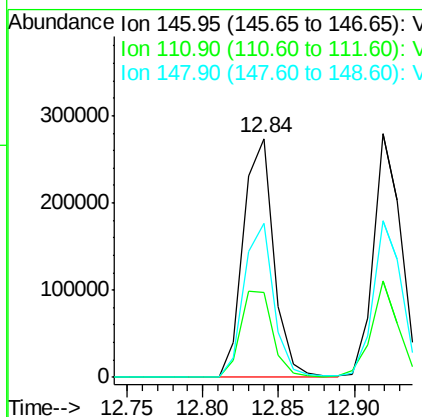
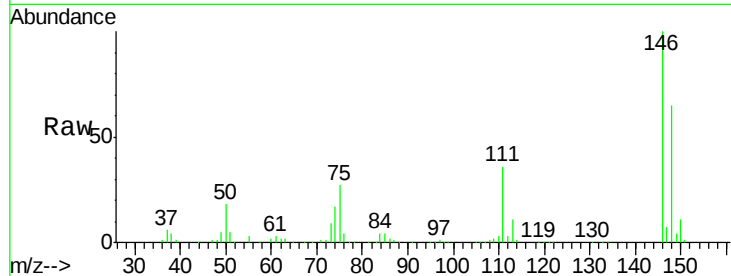




#87
 1,3-Dichlorobenzene
 Concen: 21.573 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

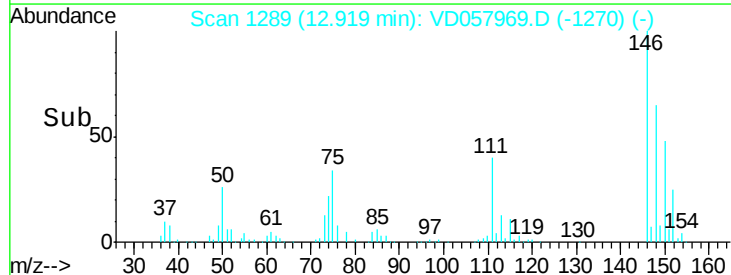
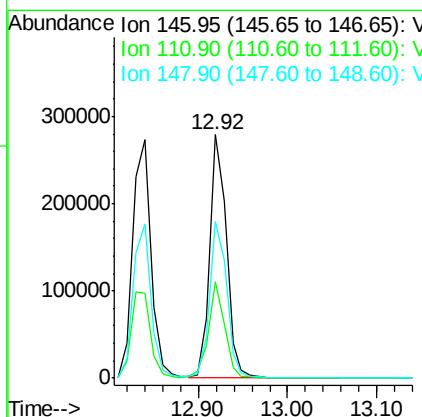
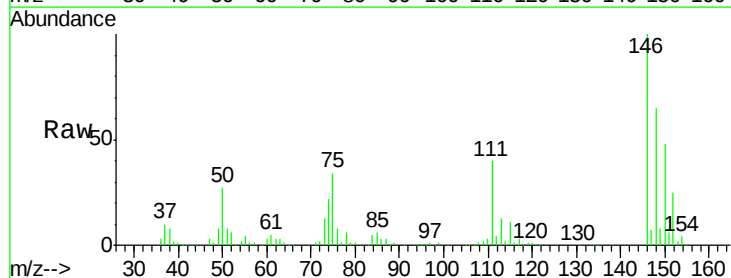
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBSD01

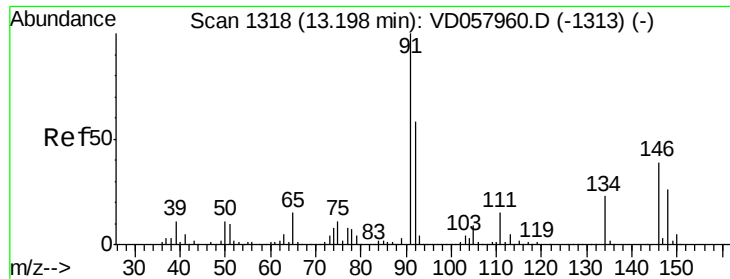
Tot Ion:146 Resp: 383991
 Ion Ratio Lower Upper
 146 100
 111 35.5 19.1 57.3
 148 64.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.902 ug/l
 RT: 12.92 min Scan# 1289
 Delta R.T. -0.01 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

Tgt Ion:146 Resp: 362508
 Ion Ratio Lower Upper
 146 100
 111 39.5 17.3 52.0
 148 64.5 33.4 100.2

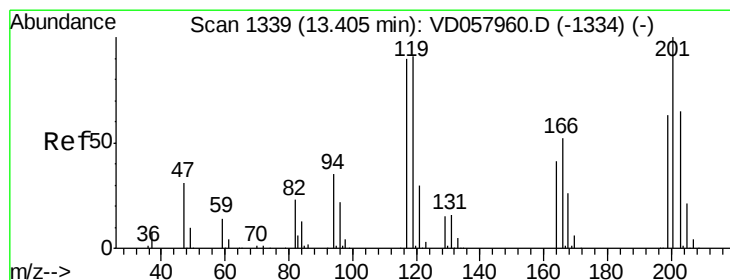
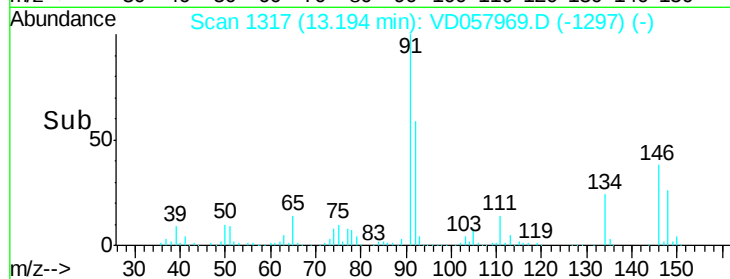
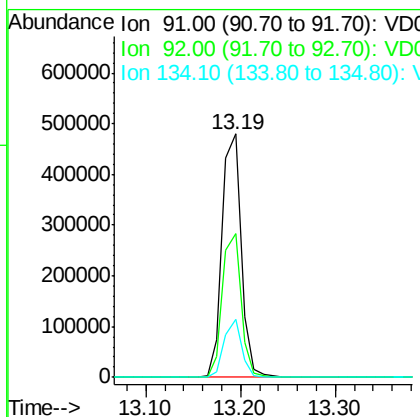
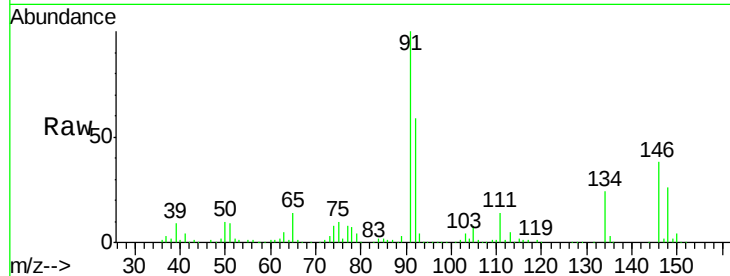




#89
n-Butylbenzene
Concen: 22.044 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

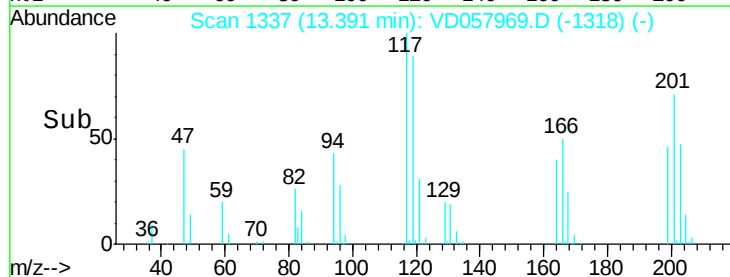
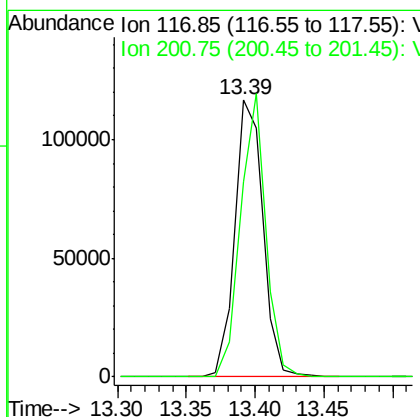
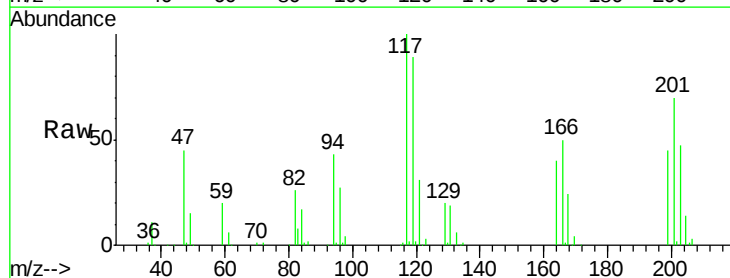
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

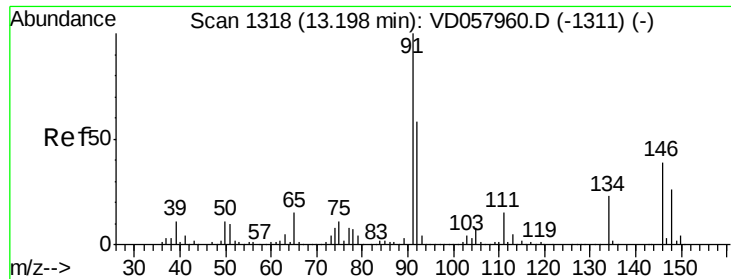
Tot Ion: 91 Resp: 672048
Ion Ratio Lower Upper
91 100
92 58.8 29.2 87.6
134 23.7 11.3 33.9



#90
Hexachloroethane
Concen: 21.362 ug/l
RT: 13.39 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion: 117 Resp: 166020
Ion Ratio Lower Upper
117 100
201 70.5 55.4 166.0

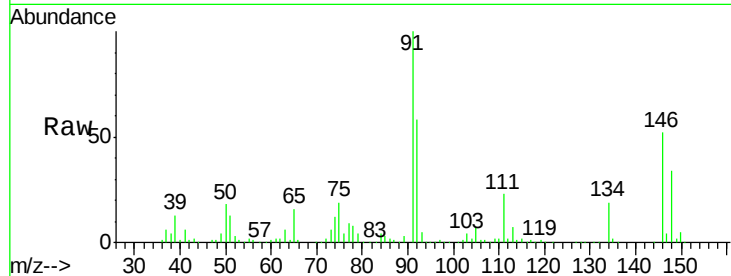




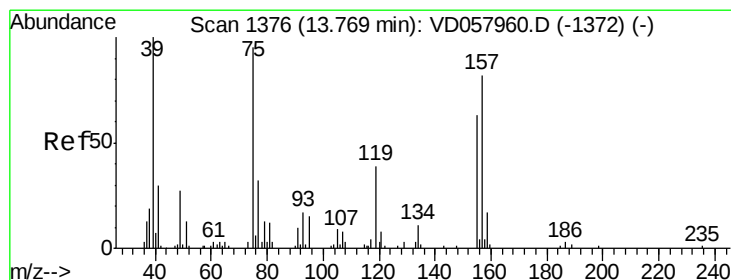
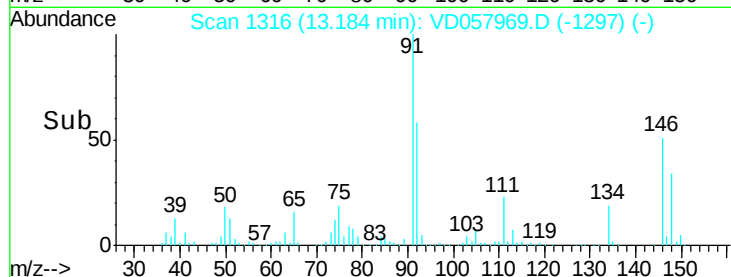
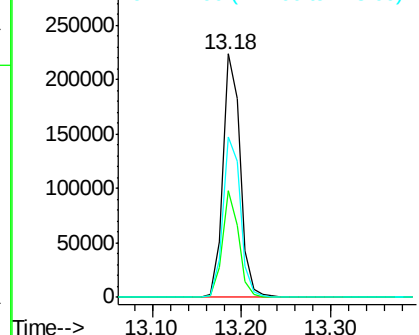
#91
 1,2-Dichlorobenzene
 Concen: 21.298 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBSD01

Tot Ion:146 Resp: 306365
 Ion Ratio Lower Upper
 146 100
 111 43.8 19.4 58.2
 148 65.6 32.6 98.0

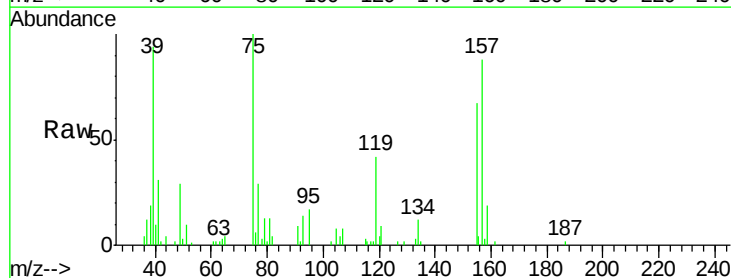


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

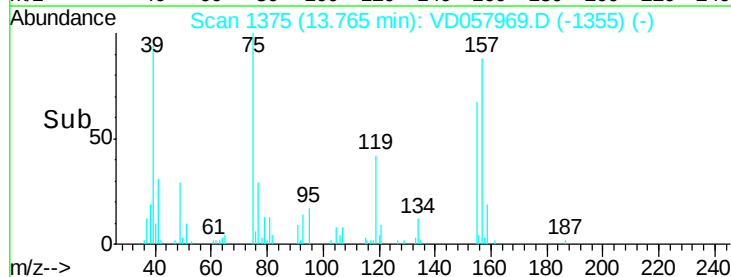
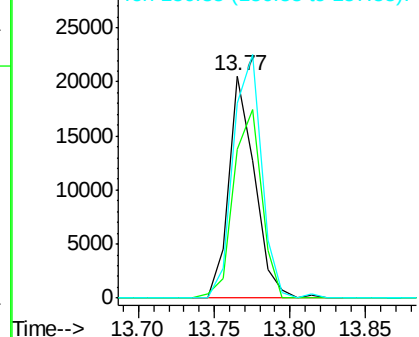


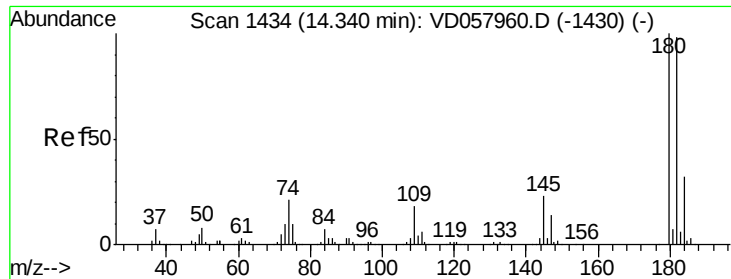
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.533 ug/l
 RT: 13.77 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

Tgt Ion: 75 Resp: 24562
 Ion Ratio Lower Upper
 75 100
 155 66.9 33.4 100.1
 157 87.9 42.9 128.5



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

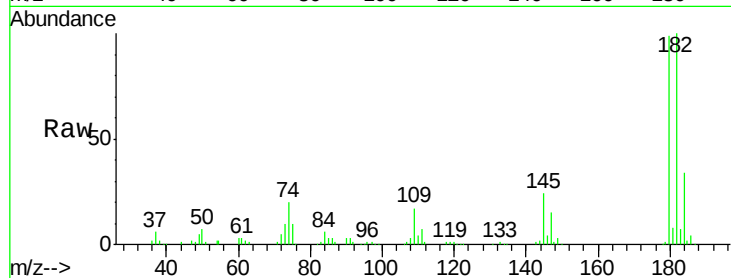




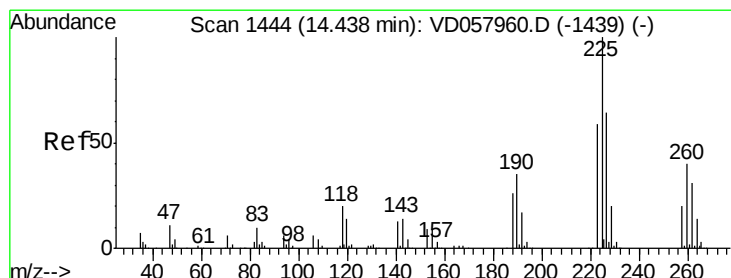
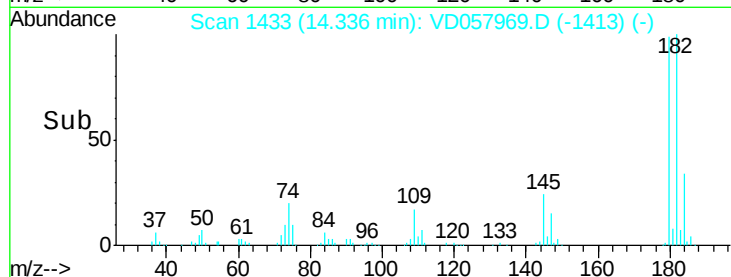
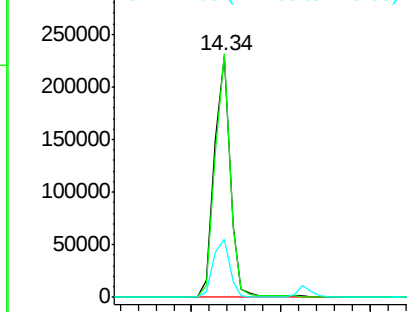
#93
 1,2,4-Trichlorobenzene
 Concen: 21.356 ug/l
 RT: 14.34 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

Tot Ion:180 Resp: 287000
 Ion Ratio Lower Upper
 180 100
 182 100.8 49.0 147.2
 145 23.8 11.8 35.3

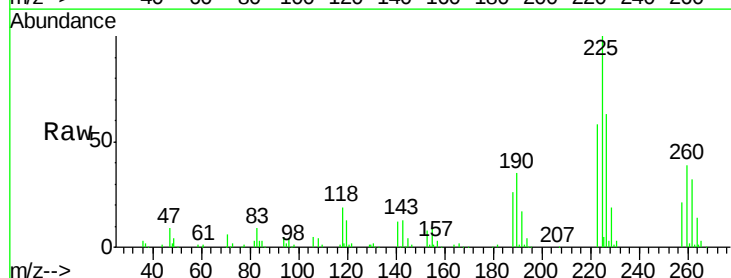


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

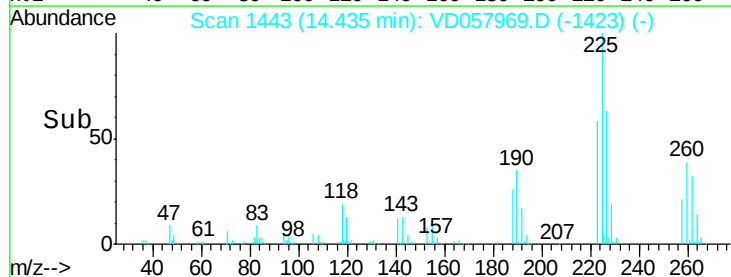
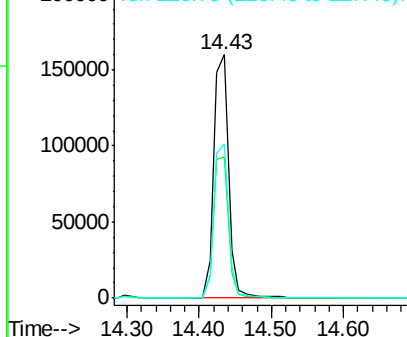


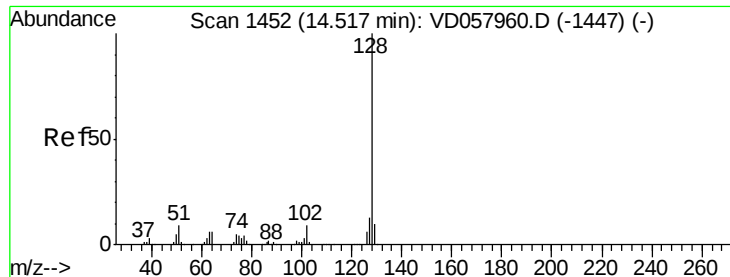
#94
 Hexachlorobutadiene
 Concen: 21.382 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD057969.D
 Acq: 7 Jun 2018 14:01

Tgt Ion:225 Resp: 226023
 Ion Ratio Lower Upper
 225 100
 223 57.9 29.5 88.6
 227 63.4 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

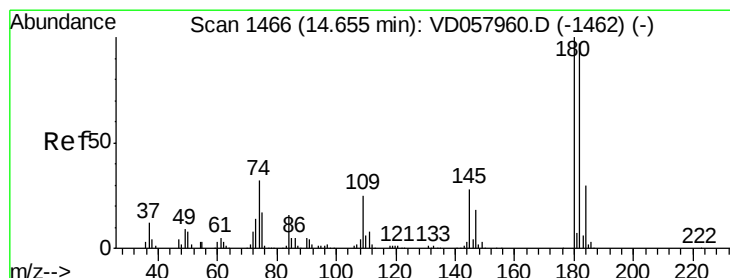
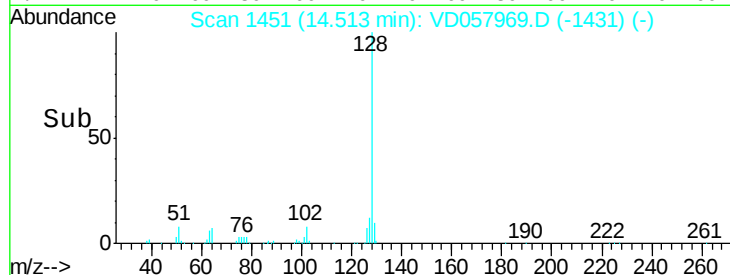
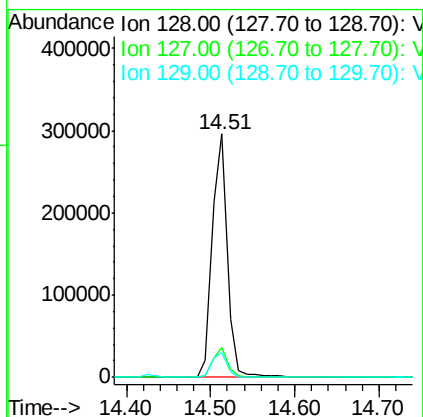
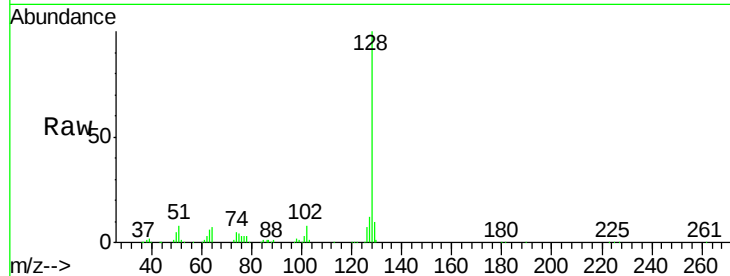




#95
Naphthalene
Concen: 21.352 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

Tot Ion:128 Resp: 369982
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.2
129 10.4 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 21.181 ug/l
RT: 14.65 min Scan# 1465
Delta R.T. -0.00 min
Lab File: VD057969.D
Acq: 7 Jun 2018 14:01

Tgt Ion:180 Resp: 242586
Ion Ratio Lower Upper
180 100
182 98.2 48.5 145.5
145 27.8 14.2 42.8

