

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059687.D
 Acq On : 6 Aug 2018 11:37
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 07 04:00:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 03:58:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	201043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	257760	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	204917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	111423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	52814	20.04	ug/l	0.00
Spiked Amount						
			Recovery	=	40.08%	
35) Dibromofluoromethane	5.52	113	47237	19.86	ug/l	0.00
Spiked Amount						
			Recovery	=	39.72%	
50) Toluene-d8	8.69	98	100259	19.37	ug/l	0.00
Spiked Amount						
			Recovery	=	38.74%	
62) 4-Bromofluorobenzene	11.92	95	47861	19.95	ug/l	0.00
Spiked Amount						
			Recovery	=	39.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	53885	19.239	ug/l	94
3) Chloromethane	1.46	50	22088	17.995	ug/l	95
4) Vinyl Chloride	1.54	62	26889	18.378	ug/l	96
5) Bromomethane	1.77	94	7315	14.287	ug/l	96
6) Chloroethane	1.86	64	9153	15.648	ug/l	99
7) Trichlorofluoromethane	2.06	101	42598	17.998	ug/l	98
8) Diethyl Ether	2.33	74	8495	19.237	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.53	101	26692	19.535	ug/l	92
10) Methyl Iodide	2.67	142	27808	17.836	ug/l	92
11) Tert butyl alcohol	3.25	59	9840	106.305	ug/l #	76
12) 1,1-Dichloroethene	2.52	96	19550	19.352	ug/l	86
13) Acrolein	2.45	56	9315	105.416	ug/l #	78
14) Allyl chloride	2.90	41	45120	19.662	ug/l	93
15) Acrylonitrile	3.33	53	26660	100.189	ug/l	99
16) Acetone	2.59	43	42546	87.007	ug/l #	88
17) Carbon Disulfide	2.73	76	61357	17.170	ug/l	99
18) Methyl Acetate	2.92	43	16345	18.675	ug/l	96
19) Methyl tert-butyl Ether	3.38	73	80804	20.789	ug/l	100
20) Methylene Chloride	3.05	84	30840	16.921	ug/l	92
21) trans-1,2-Dichloroethene	3.36	96	25091	18.312	ug/l	95
22) Diisopropyl ether	4.05	45	101553	19.383	ug/l	100
23) Vinyl Acetate	3.99	43	326454	99.832	ug/l #	96
24) 1,1-Dichloroethane	3.94	63	70815	20.069	ug/l	99
25) 2-Butanone	4.82	43	57634	92.437	ug/l	95
26) 2,2-Dichloropropane	4.77	77	75320	19.657	ug/l	98
27) cis-1,2-Dichloroethene	4.78	96	36894	19.915	ug/l	96
28) Bromochloromethane	5.11	49	28657	21.911	ug/l	94
29) Tetrahydrofuran	5.16	42	23922	98.062	ug/l	98
30) Chloroform	5.30	83	85611	20.099	ug/l	96
31) Cyclohexane	5.56	56	49535	19.284	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	83799	20.073	ug/l	97
36) 1,1-Dichloropropene	5.72	75	54721	18.990	ug/l	93
37) Ethyl Acetate	4.90	43	24976	18.428	ug/l	98
38) Carbon Tetrachloride	5.70	117	75072	19.236	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	45885	19.238	ug/l	99
40) Benzene	5.99	78	107801	19.410	ug/l	96
41) Methacrylonitrile	5.10	41	13264	20.199	ug/l	91
42) 1,2-Dichloroethane	6.11	62	67203	19.650	ug/l	99
43) Isopropyl Acetate	7.60	43	35563	19.805	ug/l	95
44) Trichloroethene	6.96	130	39466	19.474	ug/l	88
45) 1,2-Dichloropropane	7.33	63	26794	18.674	ug/l	90
46) Dibromomethane	7.44	93	24699	19.559	ug/l	91
47) Bromodichloromethane	7.73	83	61894	19.116	ug/l	94
48) Methyl methacrylate	7.48	41	22240	18.695	ug/l	88
49) 1,4-Dioxane	7.47	88	3887	420.091	ug/l #	84
51) 4-Methyl-2-Pentanone	8.57	43	116002	88.719	ug/l	99
52) Toluene	8.78	92	68498	19.577	ug/l	95
53) t-1,3-Dichloropropene	9.17	75	54405	19.840	ug/l	97
54) cis-1,3-Dichloropropene	8.34	75	54351	19.639	ug/l	98
55) 1,1,2-Trichloroethane	9.44	97	26203	19.530	ug/l	92
56) Ethyl methacrylate	9.29	69	30711	20.240	ug/l	98
57) 1,3-Dichloropropane	9.65	76	42113	19.518	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.17	63	75036	104.780	ug/l	98
59) 2-Hexanone	9.77	43	88914	89.849	ug/l	96
60) Dibromochloromethane	9.94	129	44093	20.204	ug/l	93
61) 1,2-Dibromoethane	10.08	107	31442	19.892	ug/l	98
64) Tetrachloroethene	9.50	164	36635	19.205	ug/l	96
65) Chlorobenzene	10.71	112	80517	19.358	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	38277	20.473	ug/l	97
67) Ethyl Benzene	10.85	91	156026	20.293	ug/l	100
68) m/p-Xylenes	10.99	106	94521	38.743	ug/l	93
69) o-Xylene	11.39	106	48928	20.454	ug/l	95
70) Styrene	11.42	104	81700	20.643	ug/l	97
71) Bromoform	11.58	173	28576	20.216	ug/l #	93
73) Isopropylbenzene	11.76	105	150770	19.974	ug/l	99
74) N-amyl acetate	11.63	43	45901	19.446	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	29009	19.760	ug/l	100
76) 1,2,3-Trichloropropane	12.10	75	33422	19.320	ug/l	96
77) Bromobenzene	12.03	156	42857	19.792	ug/l	98
78) n-propylbenzene	12.15	91	184685	19.782	ug/l	99
79) 2-Chlorotoluene	12.20	91	108960	19.373	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	122345	19.719	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.83	75	8184	18.955	ug/l	88
82) 4-Chlorotoluene	12.31	91	130231	19.808	ug/l	94
83) tert-Butylbenzene	12.57	119	142004	20.258	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	127317	19.361	ug/l	98
85) sec-Butylbenzene	12.75	105	155709	20.127	ug/l	99
86) p-Isopropyltoluene	12.87	119	132572	19.782	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	77265	20.371	ug/l	96
88) 1,4-Dichlorobenzene	12.91	146	75518	19.828	ug/l	96
89) n-Butylbenzene	13.19	91	130893	19.803	ug/l	95
90) Hexachloroethane	13.39	117	34368	19.642	ug/l	86
91) 1,2-Dichlorobenzene	13.19	146	64221	20.531	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	6322	19.648	ug/l	90

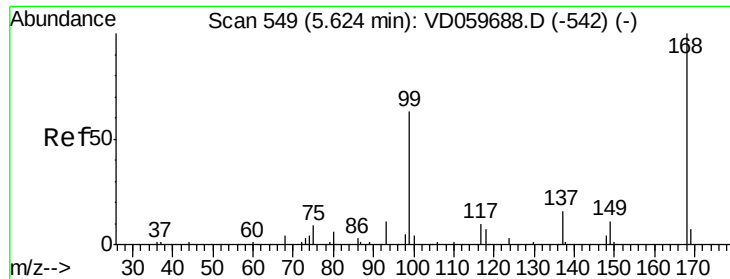
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	57050	20.302	ug/l	95
94) Hexachlorobutadiene	14.43	225	43581	19.874	ug/l	97
95) Naphthalene	14.51	128	81488	19.381	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	48497	19.315	ug/l	97

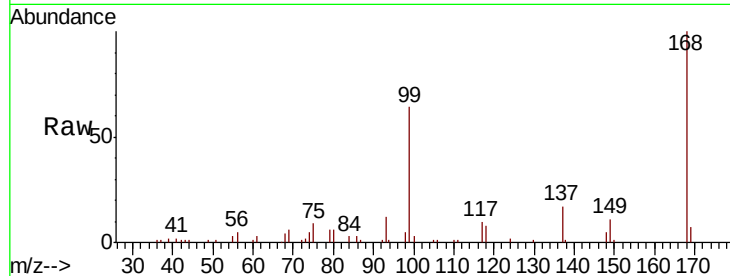
(#) = qualifier out of range (m) = manual integration (+) = signals summed



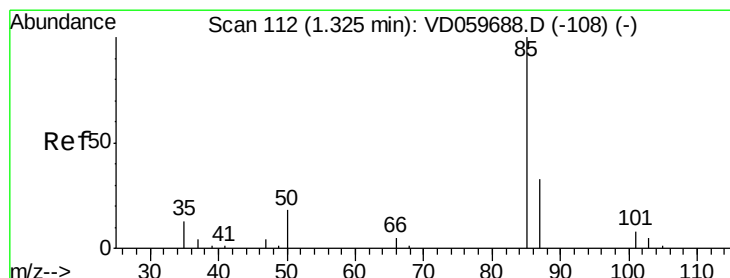
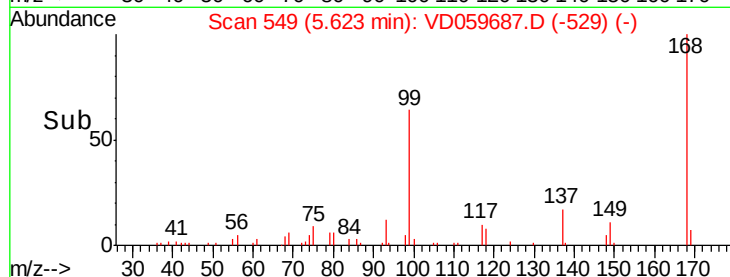
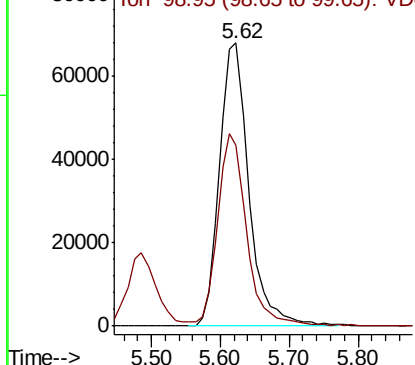
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 549
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 201043
Ion Ratio Lower Upper
168 100
99 64.0 53.4 80.2

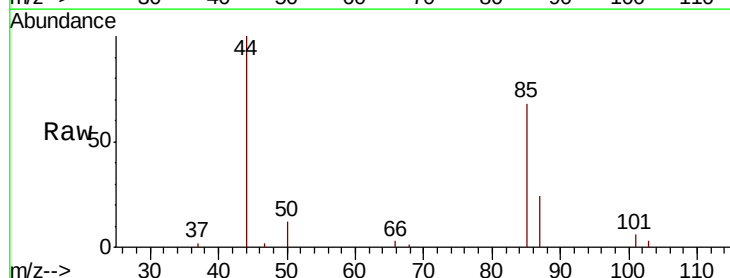


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC

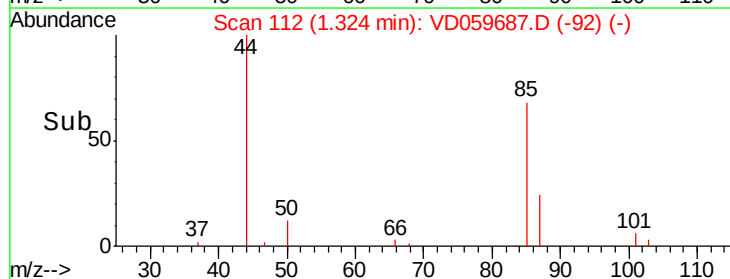
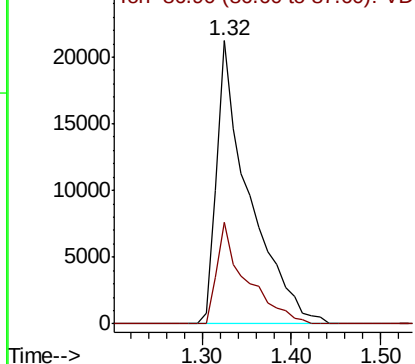


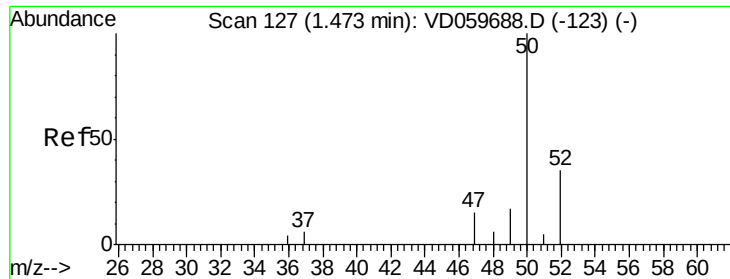
#2
Dichlorodifluoromethane
Concen: 19.239 ug/l
RT: 1.32 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion: 85 Resp: 53885
Ion Ratio Lower Upper
85 100
87 35.8 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC
Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.995 ug/l

RT: 1.46 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

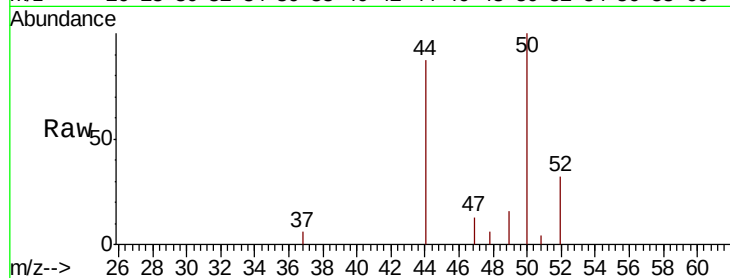
ClientSampleId :

Tot Ion: 50 Resp: 22088

Ion Ratio Lower Upper

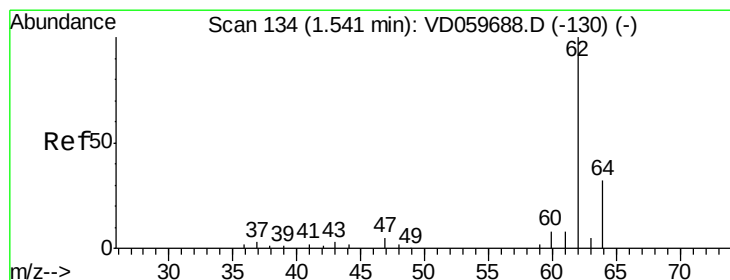
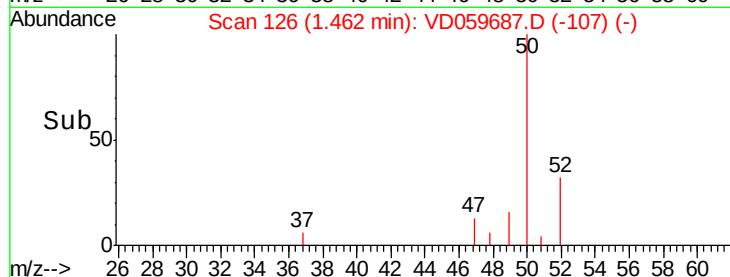
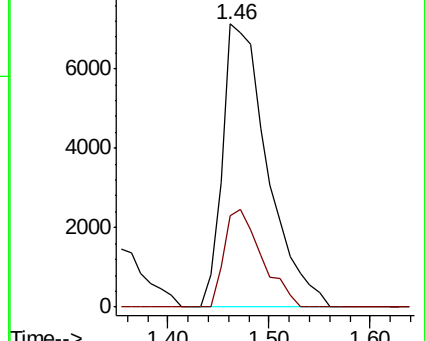
50 100

52 32.3 28.2 42.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.378 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD059687.D

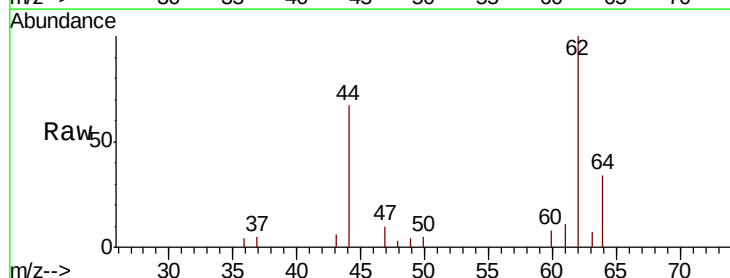
Acq: 6 Aug 2018 11:37

Tgt Ion: 62 Resp: 26889

Ion Ratio Lower Upper

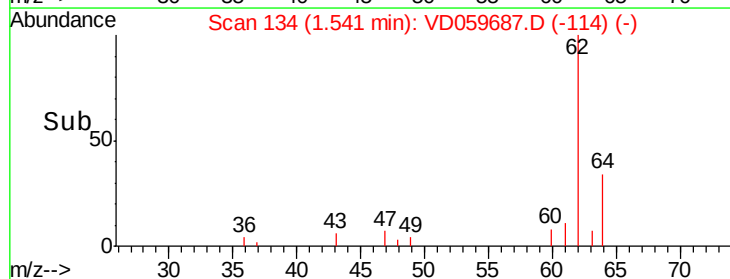
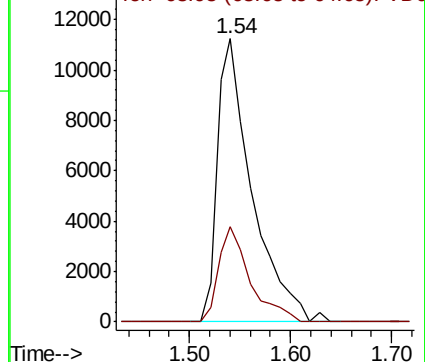
62 100

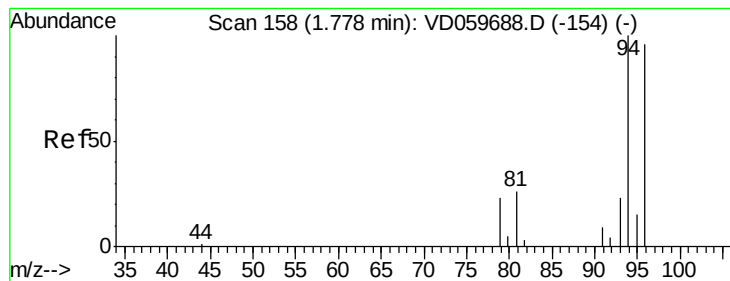
64 33.7 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.287 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

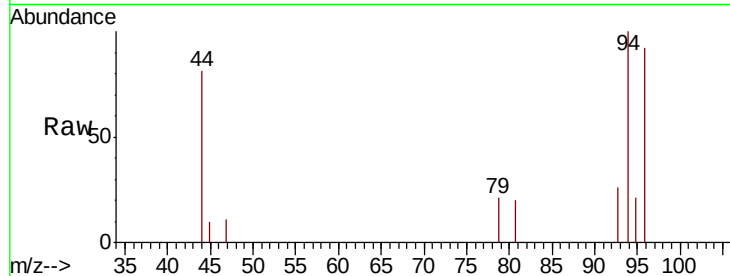
ClientSampleId :

Tot Ion: 94 Resp: 7315

Ion Ratio Lower Upper

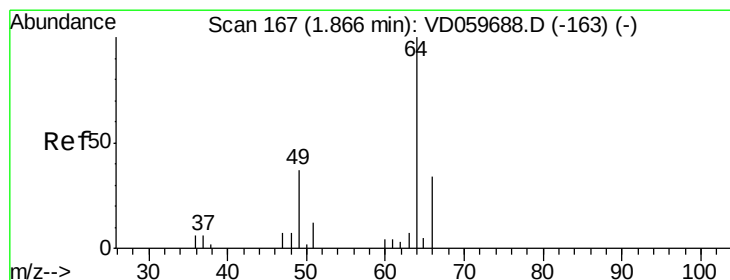
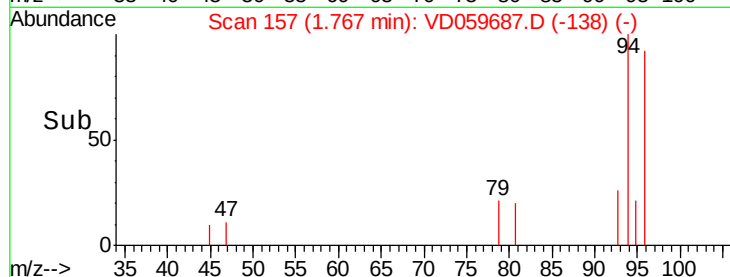
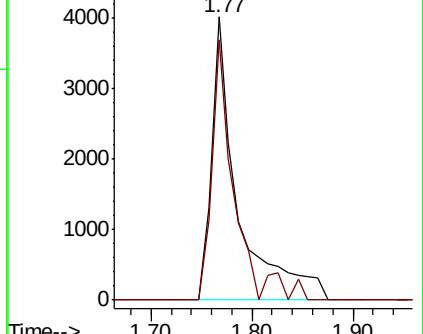
94 100

96 91.9 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 15.648 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD059687.D

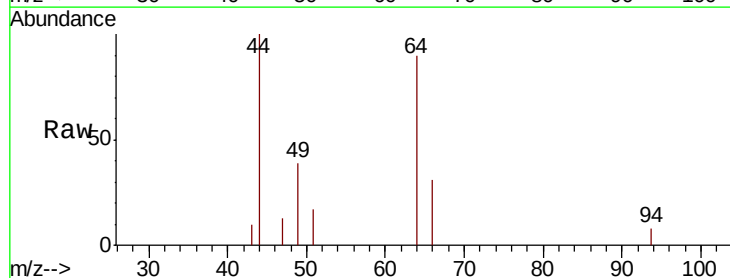
Acq: 6 Aug 2018 11:37

Tgt Ion: 64 Resp: 9153

Ion Ratio Lower Upper

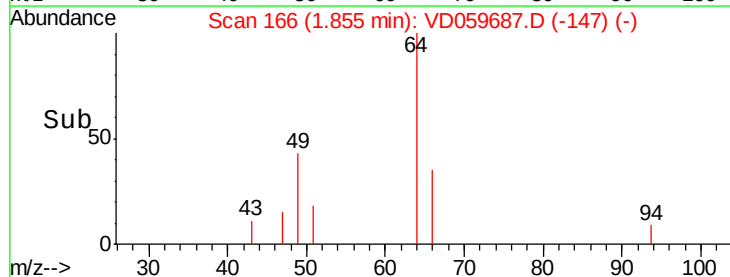
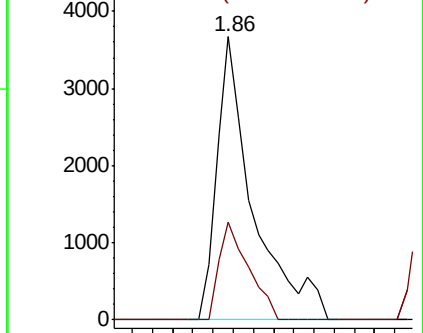
64 100

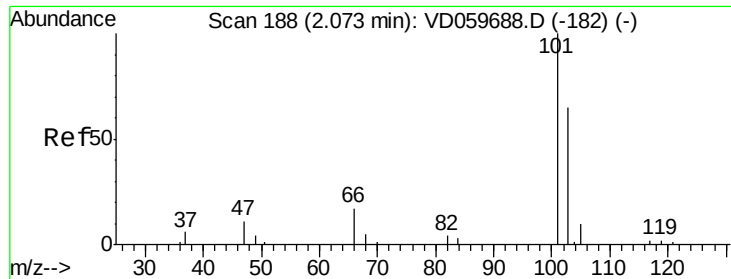
66 34.5 27.2 40.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



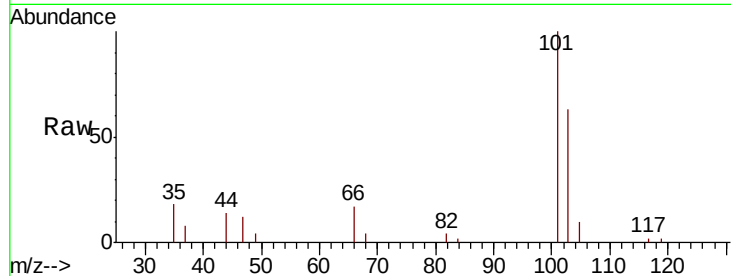


#7

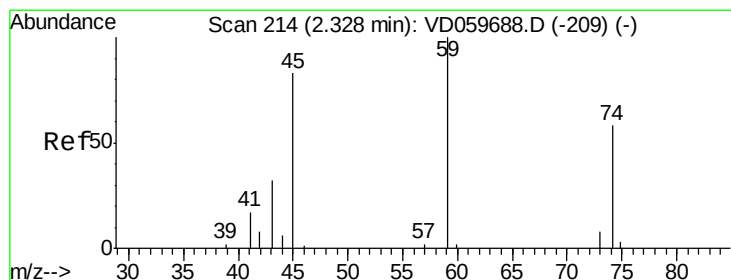
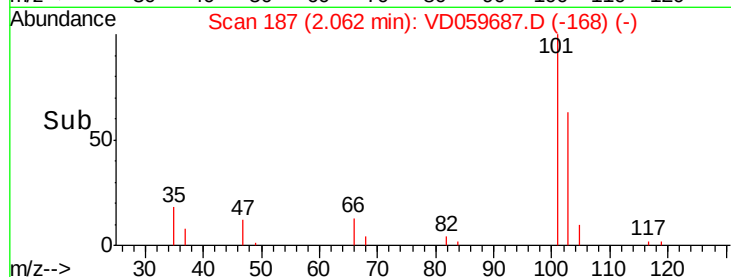
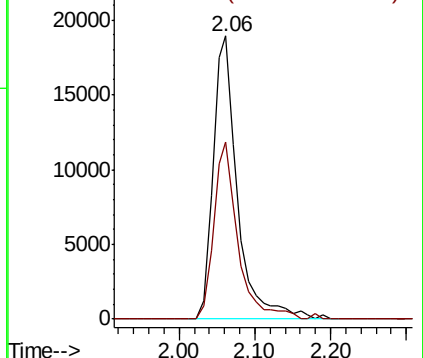
Trichlorofluoromethane
Concen: 17.998 ug/l
RT: 2.06 min Scan# 187
Delta R.T. -0.01 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 42598
Ion Ratio Lower Upper
101 100
103 62.7 51.7 77.5



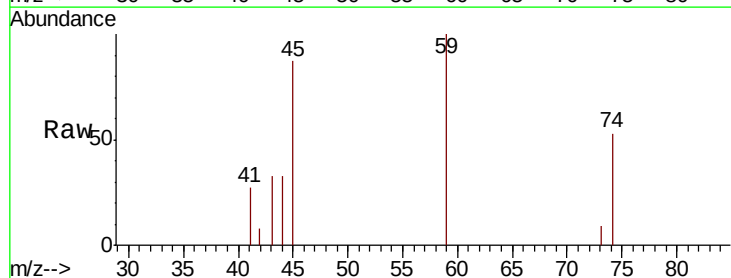
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



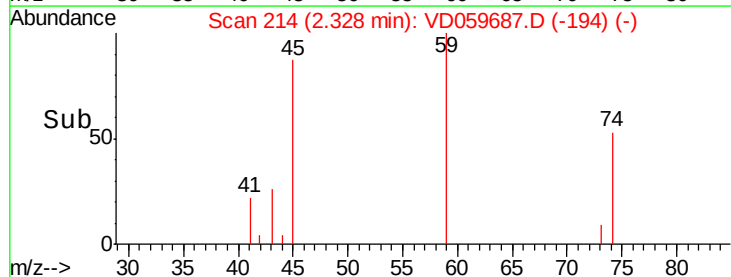
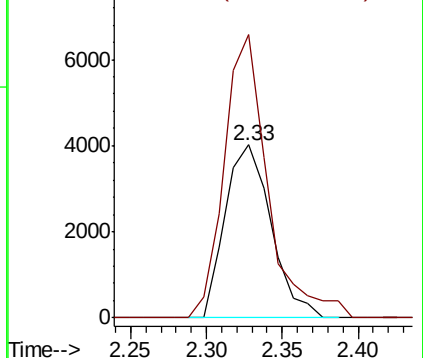
#8

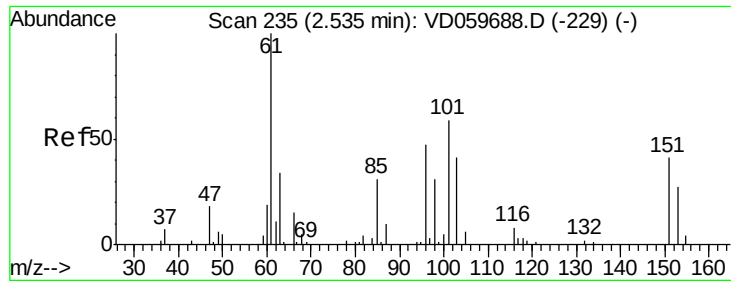
Diethyl Ether
Concen: 19.237 ug/l
RT: 2.33 min Scan# 214
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion: 74 Resp: 8495
Ion Ratio Lower Upper
74 100
45 163.7 71.4 214.2



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: 19.535 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

ClientSampleId :

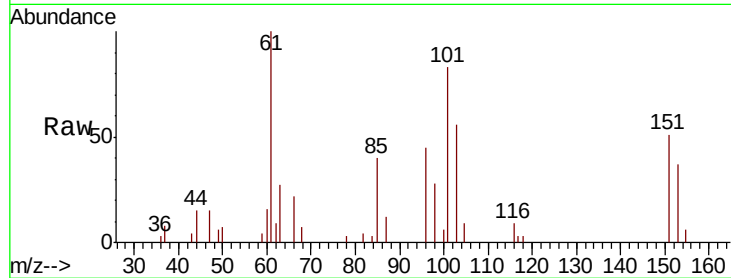
Tot Ion:101 Resp: 26692

Ion Ratio Lower Upper

101 100

85 48.9 42.2 63.4

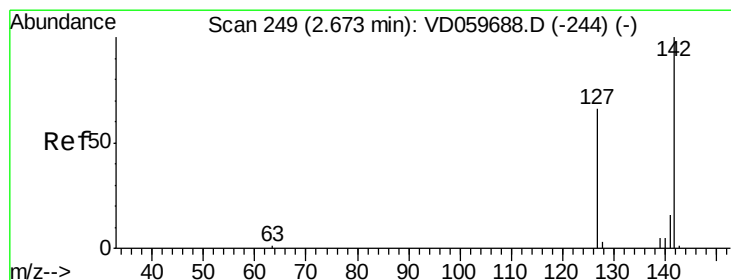
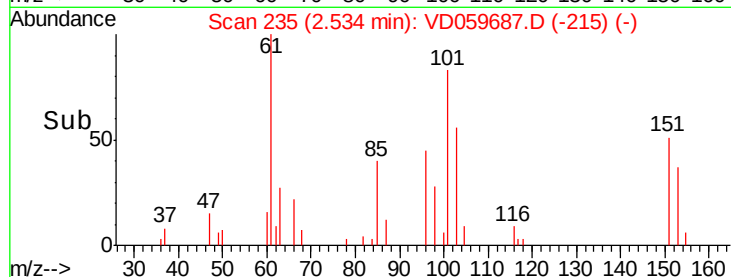
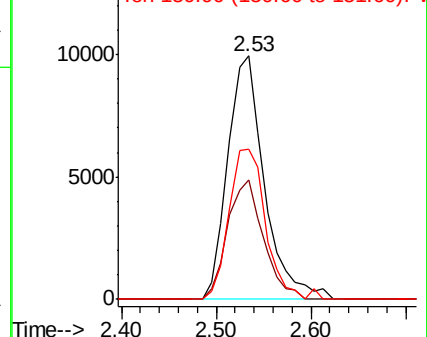
151 61.5 55.2 82.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.836 ug/l

RT: 2.67 min Scan# 249

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

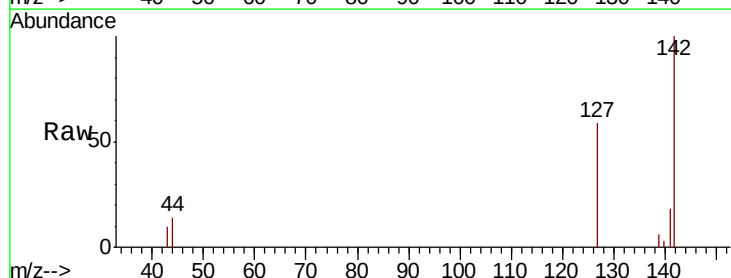
Tgt Ion:142 Resp: 27808

Ion Ratio Lower Upper

142 100

127 59.2 52.6 79.0

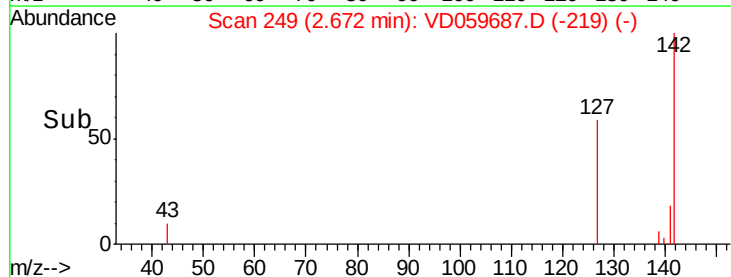
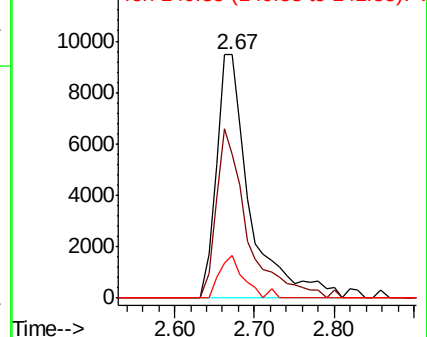
141 17.5 12.5 18.7

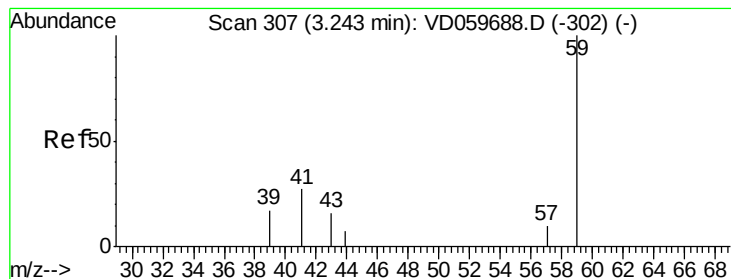


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



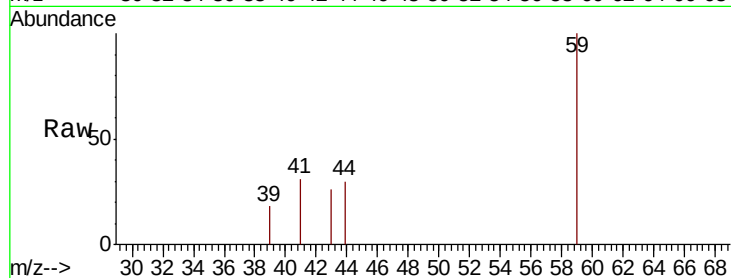


#11

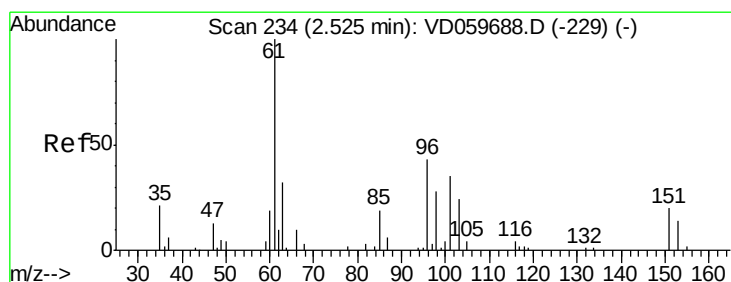
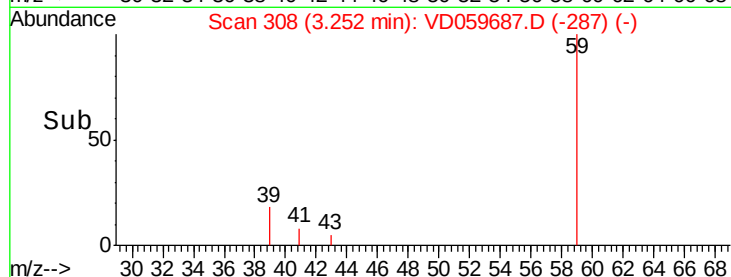
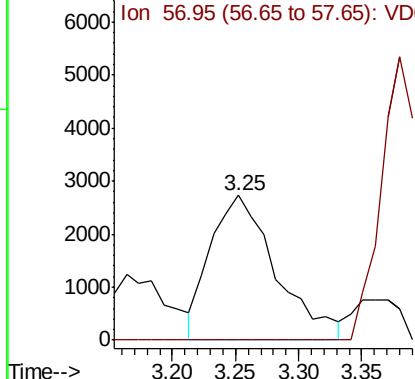
Tert butyl alcohol
 Concen: 106.305 ug/l
 RT: 3.25 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 9840
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.8 10.2#



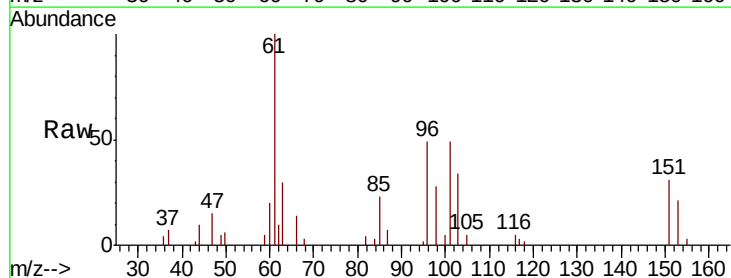
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



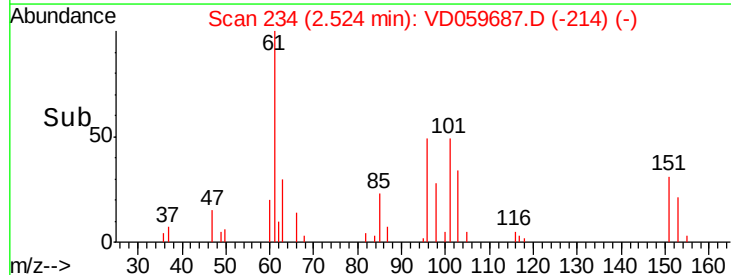
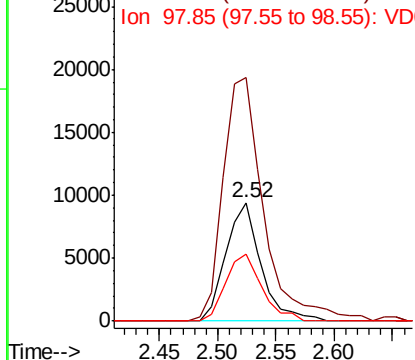
#12

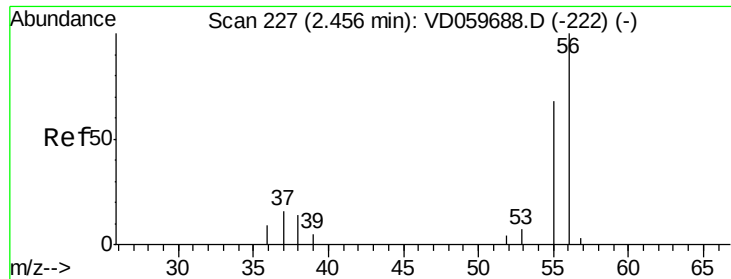
1,1-Dichloroethene
 Concen: 19.352 ug/l
 RT: 2.52 min Scan# 234
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Tgt Ion: 96 Resp: 19550
 Ion Ratio Lower Upper
 96 100
 61 206.0 184.1 276.1
 98 56.7 52.4 78.6



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

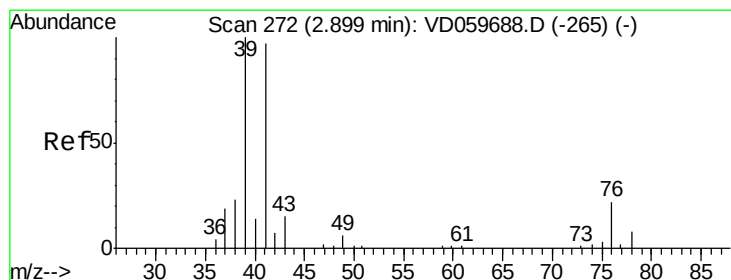
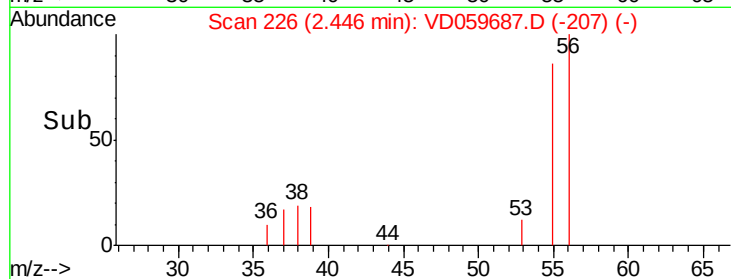
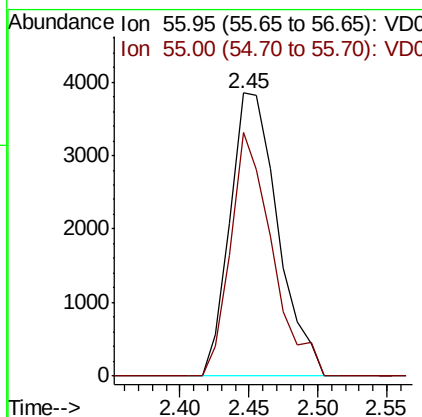
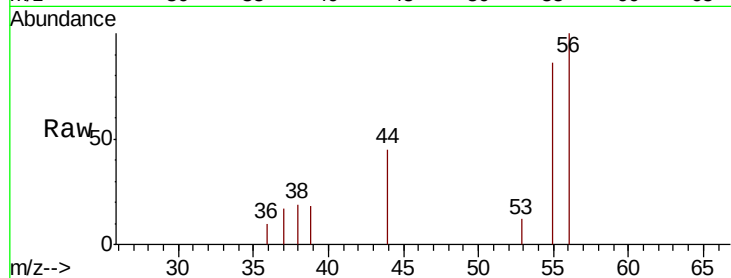




#13
Acrolein
Concen: 105.416 ug/l
RT: 2.45 min Scan# 226
Delta R.T. -0.01 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

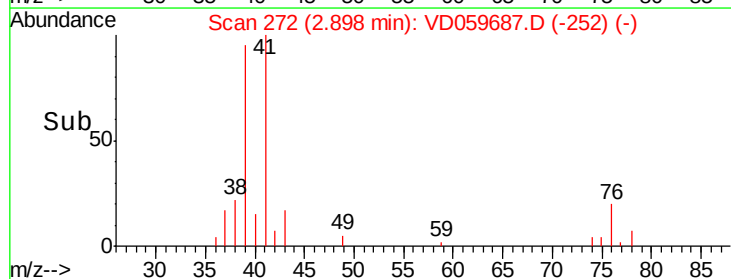
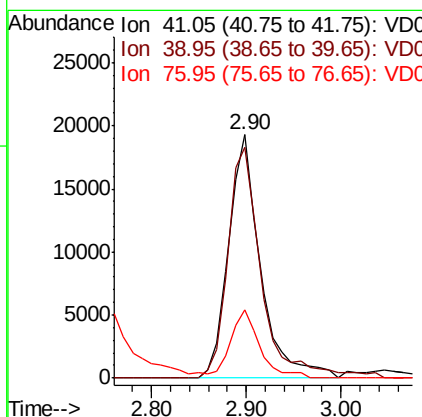
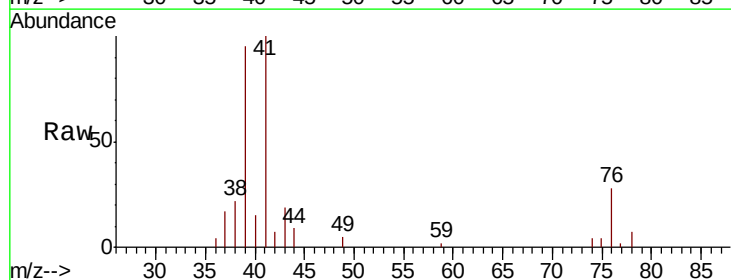
Instrument :
MSVOA_D
ClientSampleId :

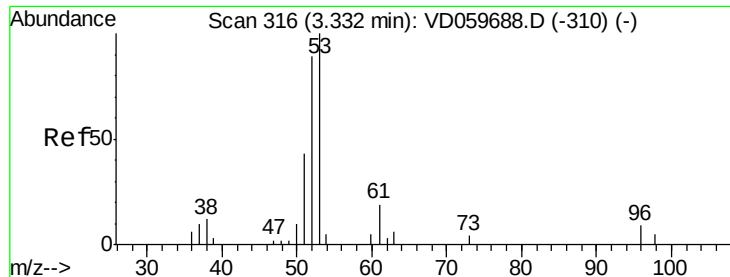
Tot Ion: 56 Resp: 9315
Ion Ratio Lower Upper
56 100
55 86.1 54.4 81.6#



#14
Allyl chloride
Concen: 19.662 ug/l
RT: 2.90 min Scan# 272
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion: 41 Resp: 45120
Ion Ratio Lower Upper
41 100
39 94.7 82.5 123.7
76 27.8 22.1 33.1





#15

Acrylonitrile

Concen: 100.189 ug/l

RT: 3.33 min Scan# 316

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

ClientSampleId :

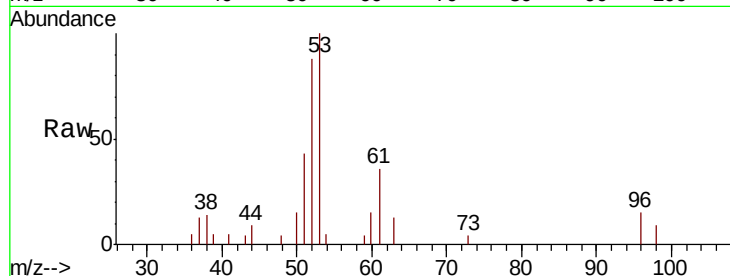
Tot Ion: 53 Resp: 26660

Ion Ratio Lower Upper

53 100

52 87.9 71.4 107.0

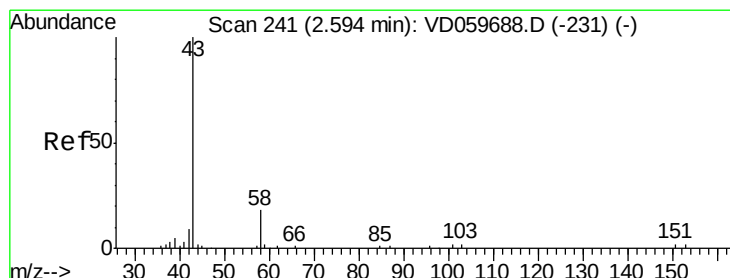
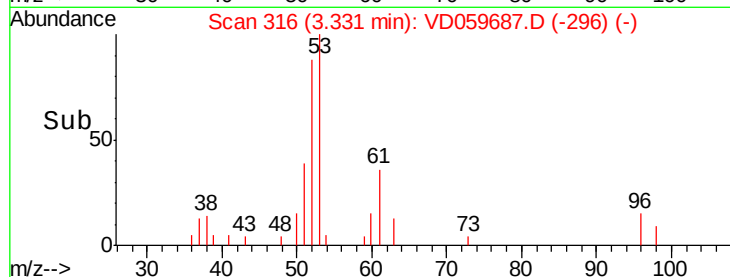
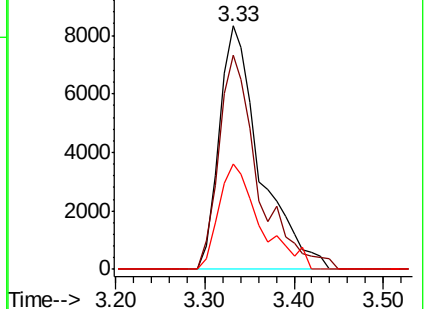
51 43.3 34.2 51.4



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: 87.007 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD059687.D

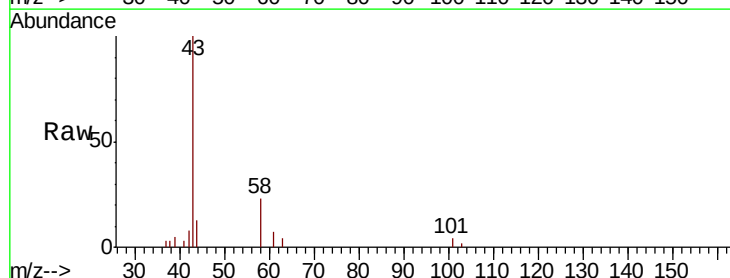
Acq: 6 Aug 2018 11:37

Tgt Ion: 43 Resp: 42546

Ion Ratio Lower Upper

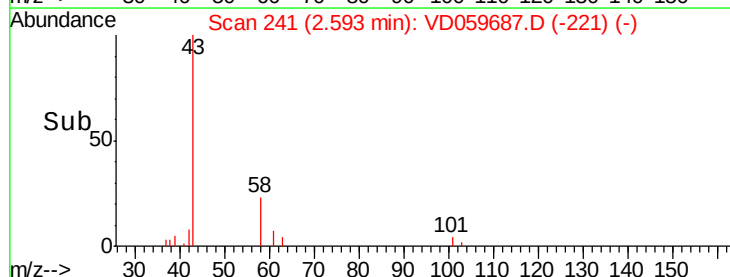
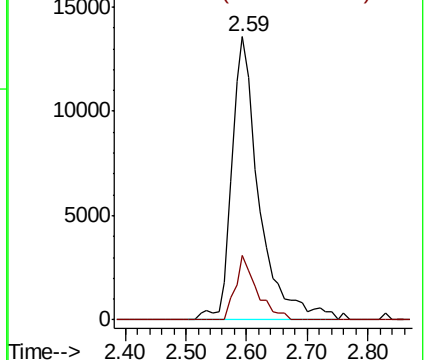
43 100

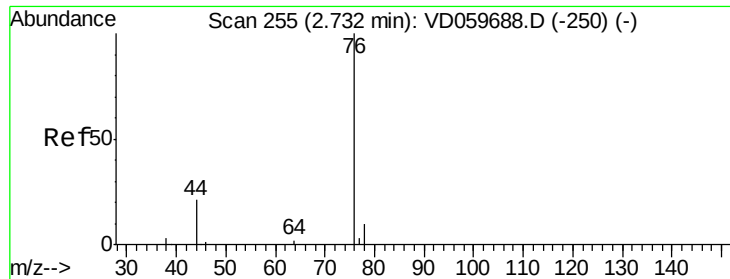
58 22.9 14.2 21.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

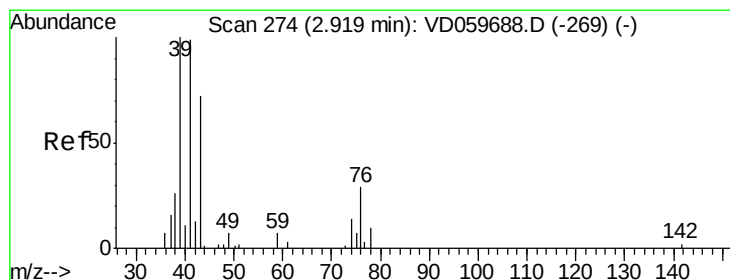
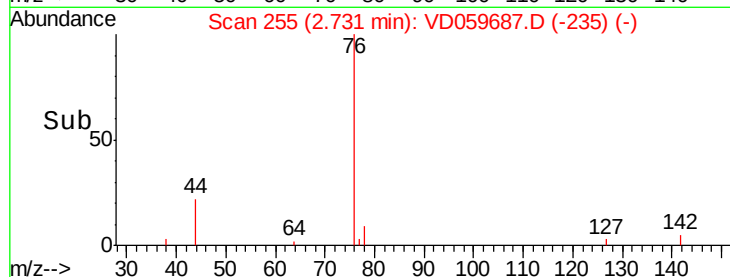
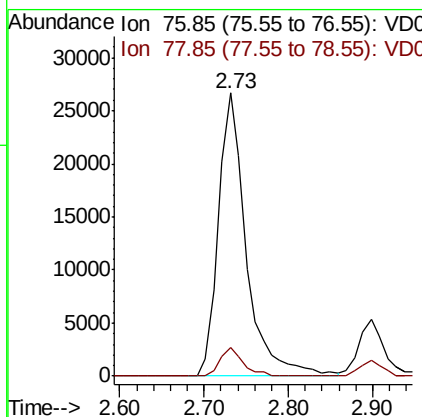
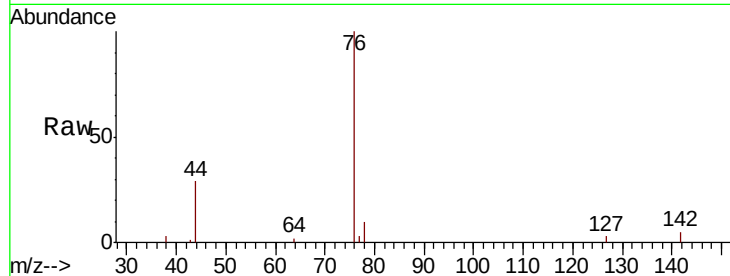




#17
Carbon Disulfide
Concen: 17.170 ug/l
RT: 2.73 min Scan# 255
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

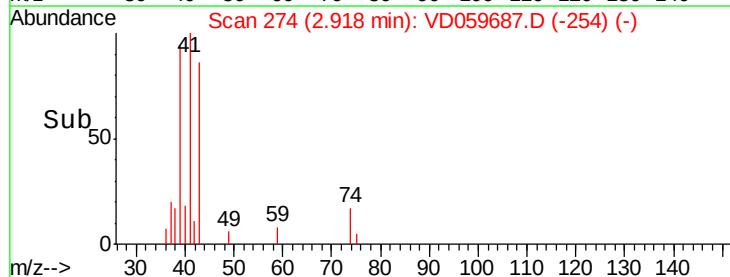
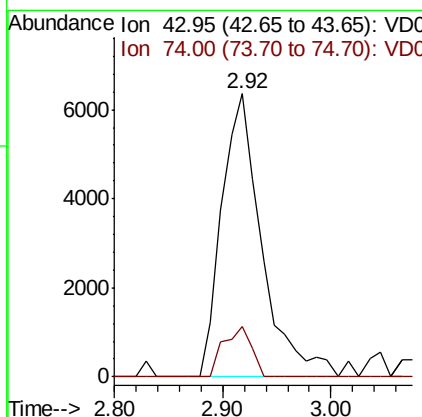
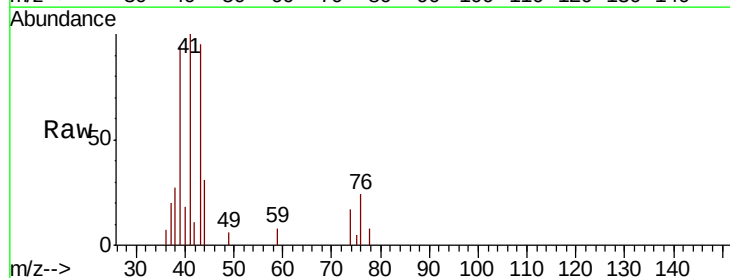
Instrument :
MSVOA_D
ClientSampleId :

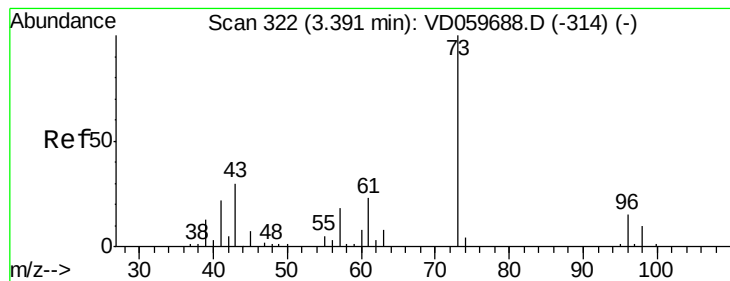
Tot Ion: 76 Resp: 61357
Ion Ratio Lower Upper
76 100
78 10.1 7.7 11.5



#18
Methyl Acetate
Concen: 18.675 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion: 43 Resp: 16345
Ion Ratio Lower Upper
43 100
74 17.6 15.7 23.5



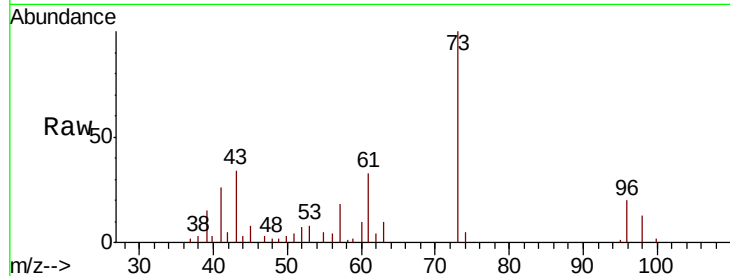


#19

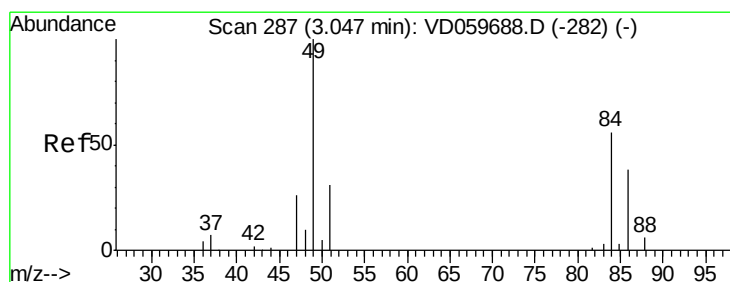
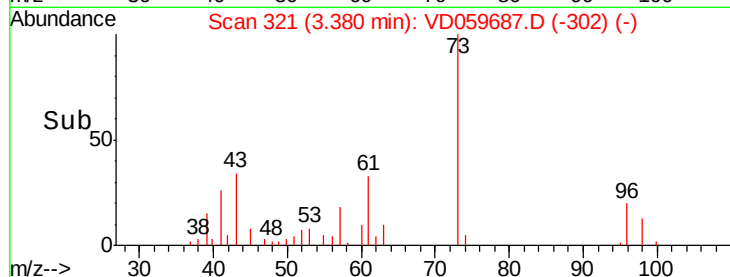
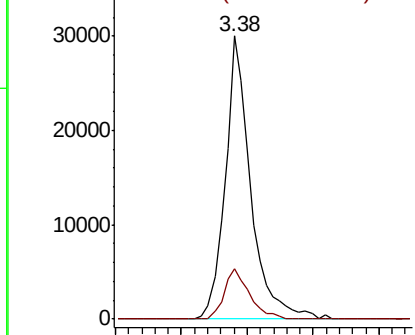
Methyl tert-butyl Ether
 Concen: 20.789 ug/l
 RT: 3.38 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 73 Resp: 80804
 Ion Ratio Lower Upper
 73 100
 57 17.8 14.3 21.5



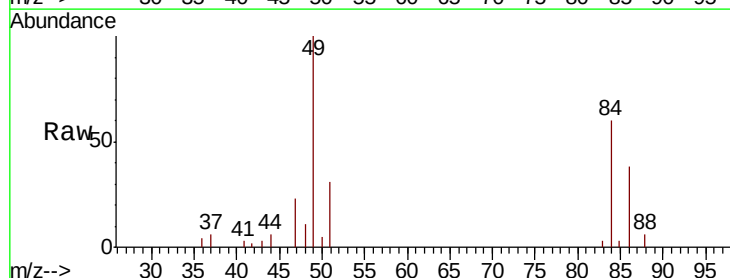
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



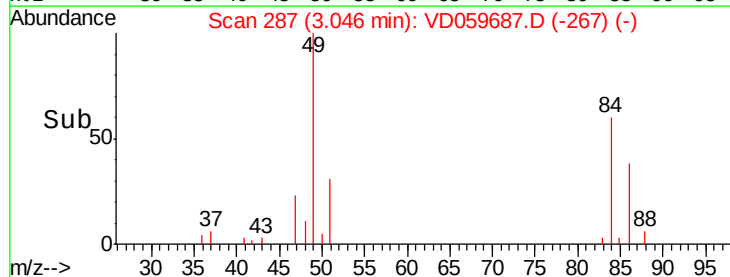
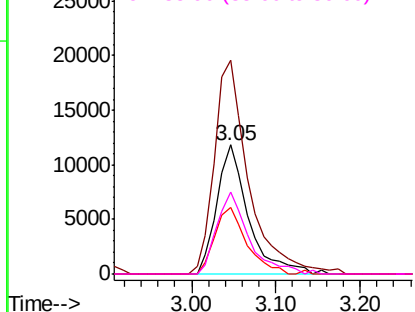
#20

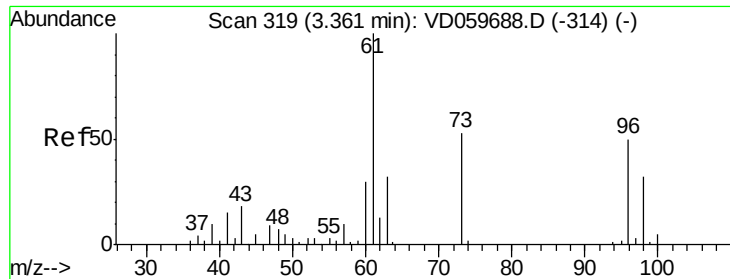
Methylene Chloride
 Concen: 16.921 ug/l
 RT: 3.05 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Tgt Ion: 84 Resp: 30840
 Ion Ratio Lower Upper
 84 100
 49 165.5 143.4 215.2
 51 51.9 44.2 66.4
 86 63.3 55.0 82.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC

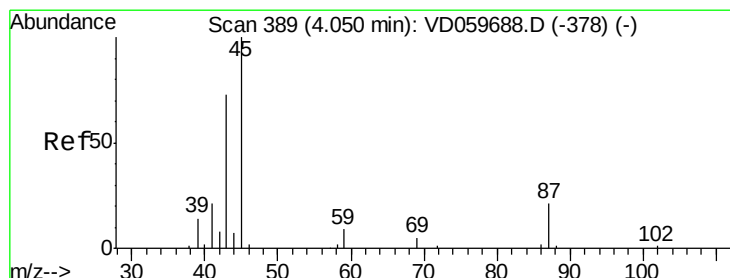
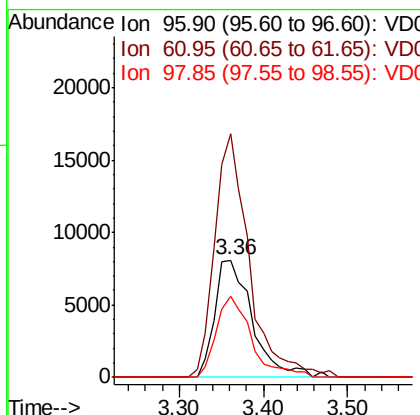
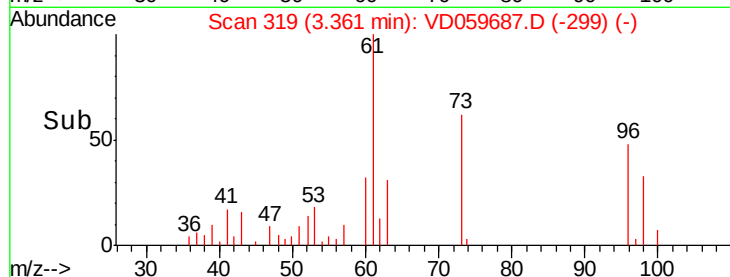
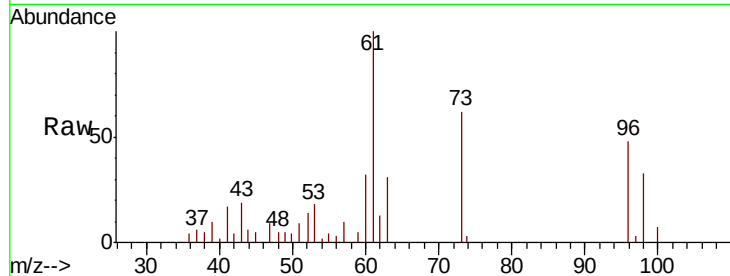




#21
trans-1,2-Dichloroethene
Concen: 18.312 ug/l
RT: 3.36 min Scan# 319
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

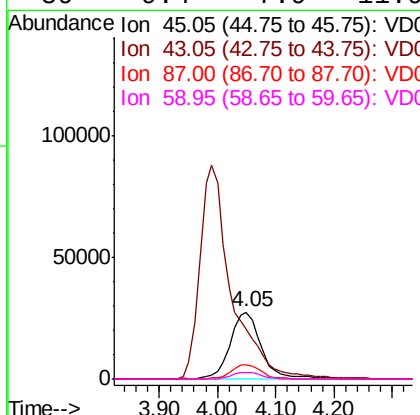
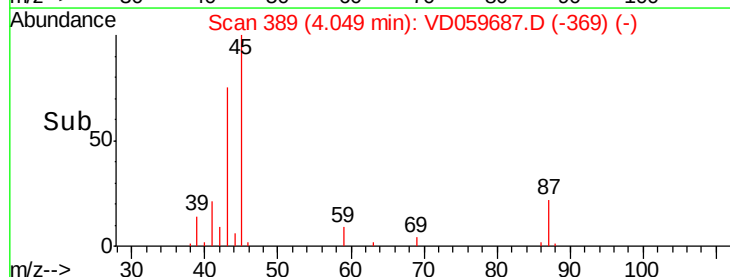
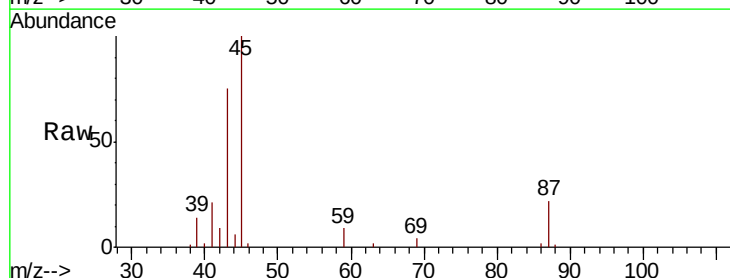
Instrument :
MSVOA_D
ClientSampleId :

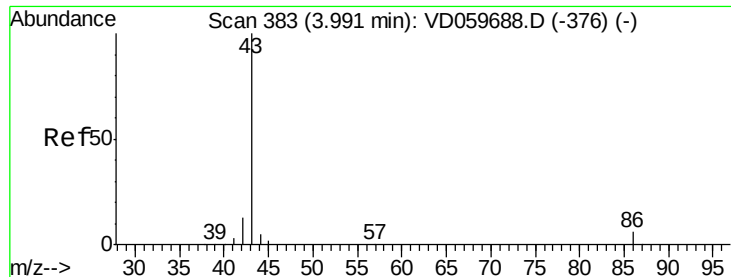
Tot Ion: 96 Resp: 25091
Ion Ratio Lower Upper
96 100
61 207.2 160.6 241.0
98 68.8 50.9 76.3



#22
Diisopropyl ether
Concen: 19.383 ug/l
RT: 4.05 min Scan# 389
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion: 45 Resp: 101553
Ion Ratio Lower Upper
45 100
43 75.2 60.3 90.5
87 21.7 17.0 25.6
59 9.4 7.9 11.9





#23

Vinyl Acetate

Concen: 99.832 ug/l

RT: 3.99 min Scan# 383

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

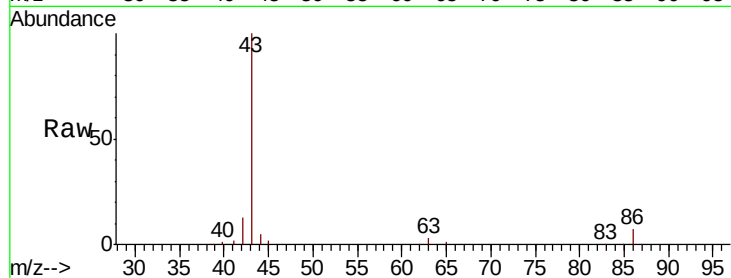
ClientSampleId :

Tot Ion: 43 Resp: 326454

Ion Ratio Lower Upper

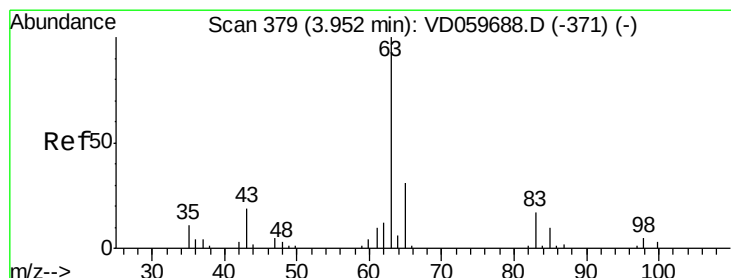
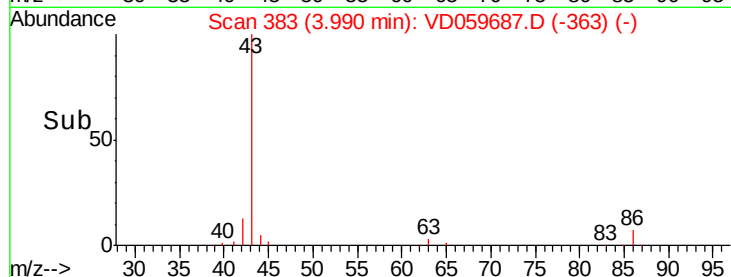
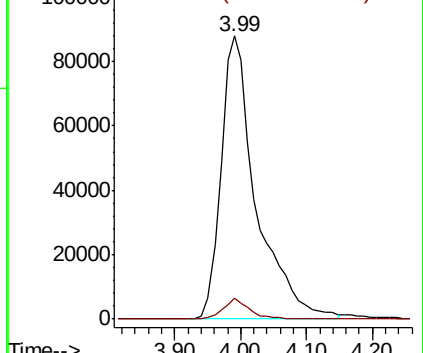
43 100

86 7.4 4.8 7.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.069 ug/l

RT: 3.94 min Scan# 378

Delta R.T. -0.01 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

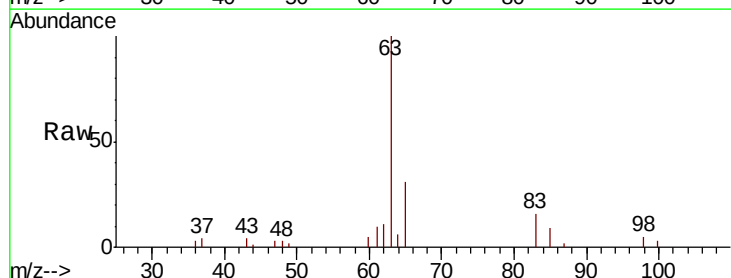
Tgt Ion: 63 Resp: 70815

Ion Ratio Lower Upper

63 100

98 5.0 2.4 7.1

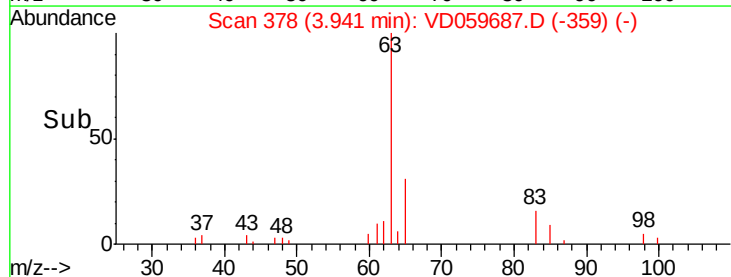
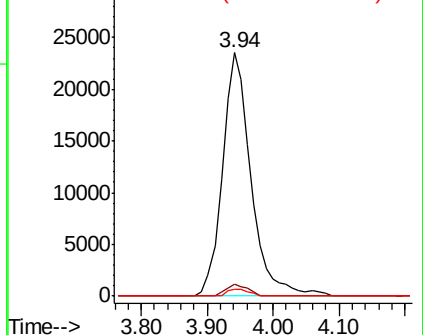
100 2.9 1.6 4.8

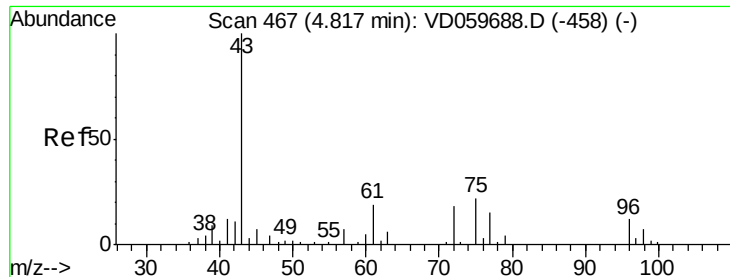


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 92.437 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

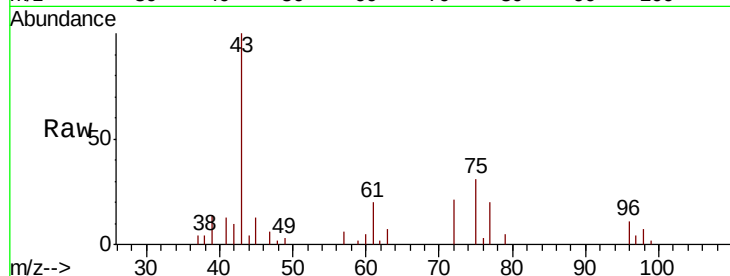
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 57634

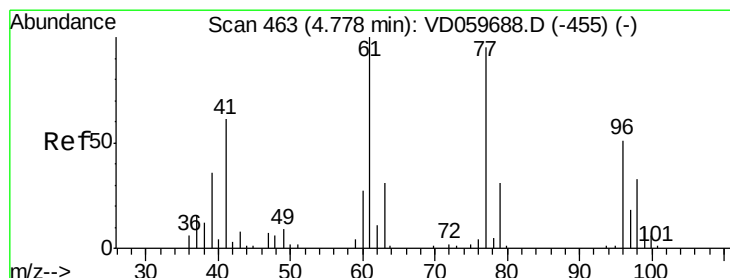
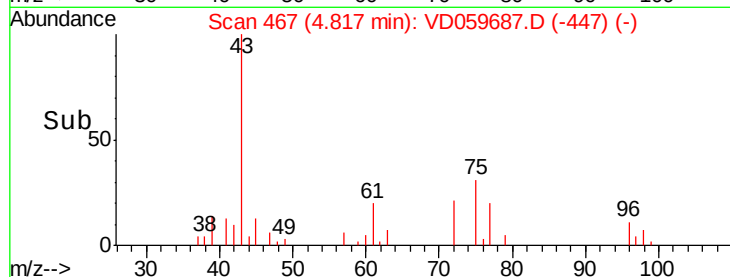
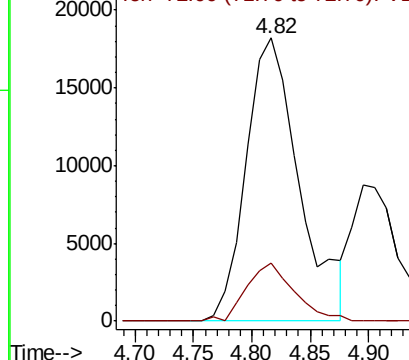
Ion Ratio Lower Upper

43 100

72 20.5 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.657 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.01 min

Lab File: VD059687.D

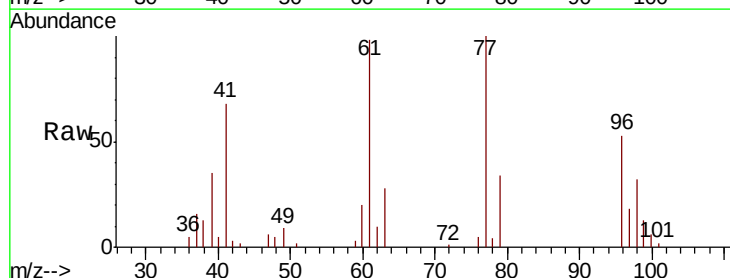
Acq: 6 Aug 2018 11:37

Tgt Ion: 77 Resp: 75320

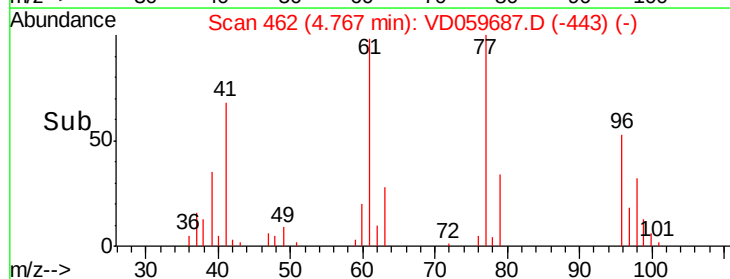
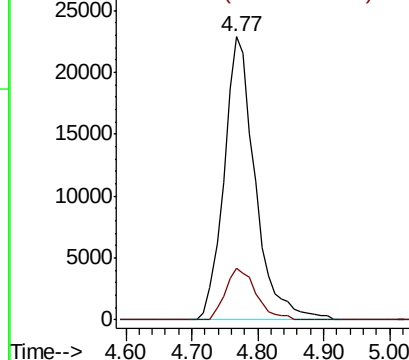
Ion Ratio Lower Upper

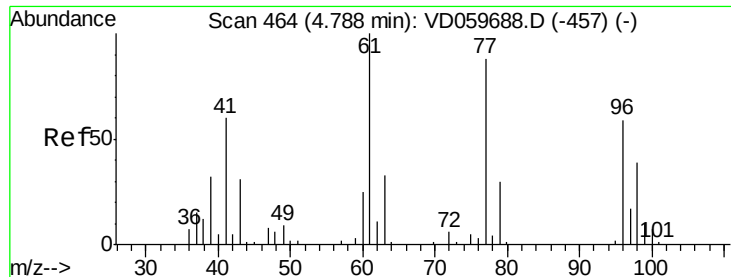
77 100

97 18.1 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



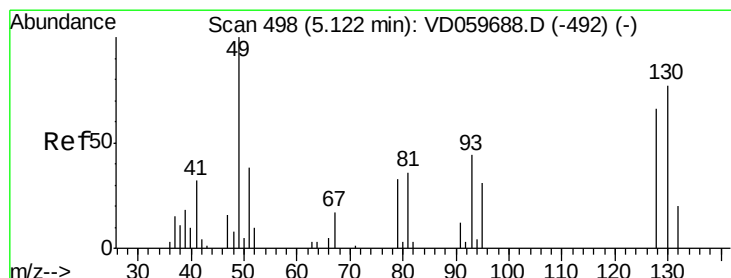
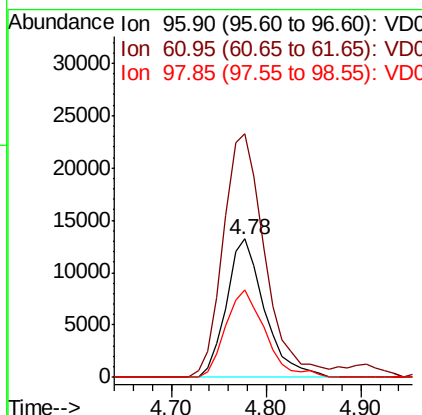
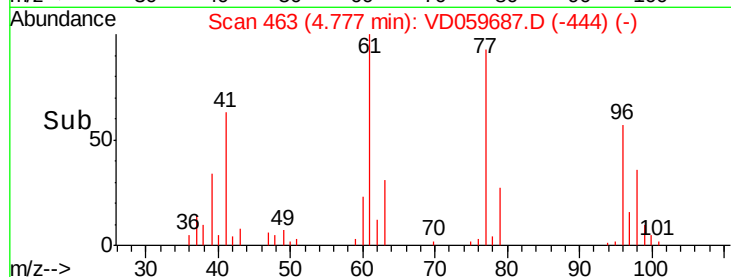
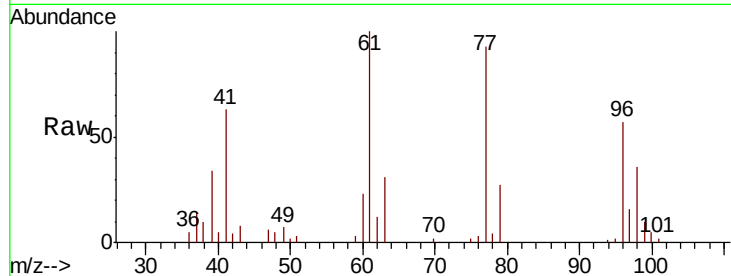


#27

cis-1,2-Dichloroethene
 Concen: 19.915 ug/l
 RT: 4.78 min Scan# 463
 Delta R.T. -0.01 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Instrument :
 MSVOA_D
 ClientSampled :

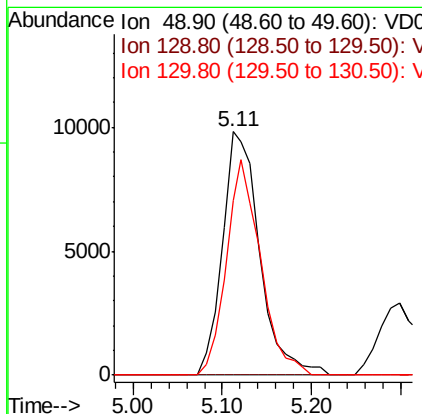
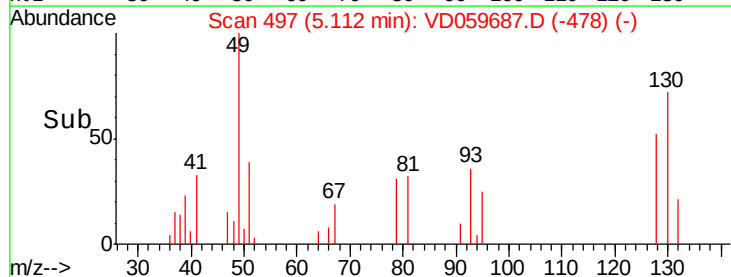
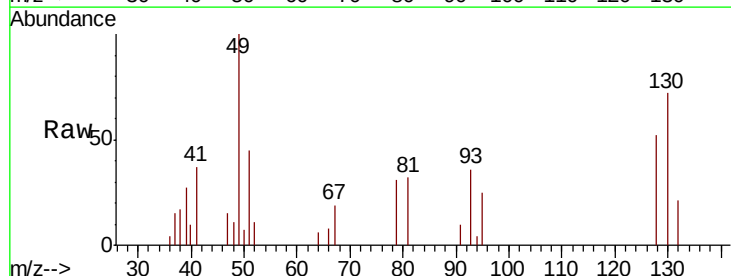
Tot Ion: 96 Resp: 36894
 Ion Ratio Lower Upper
 96 100
 61 175.7 0.0 341.6
 98 62.8 0.0 131.0

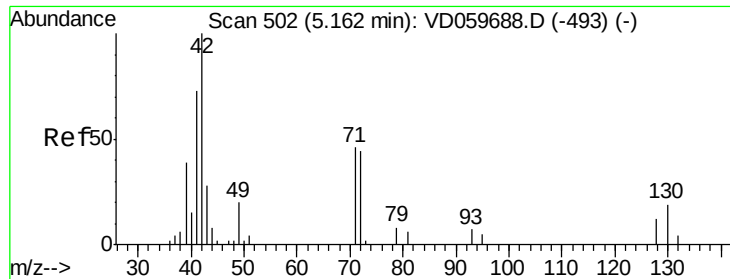


#28

Bromochloromethane
 Concen: 21.911 ug/l
 RT: 5.11 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Tgt Ion: 49 Resp: 28657
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 71.6 61.2 91.8





#29

Tetrahydrofuran

Concen: 98.062 ug/l

RT: 5.16 min Scan# 502

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

ClientSampled :

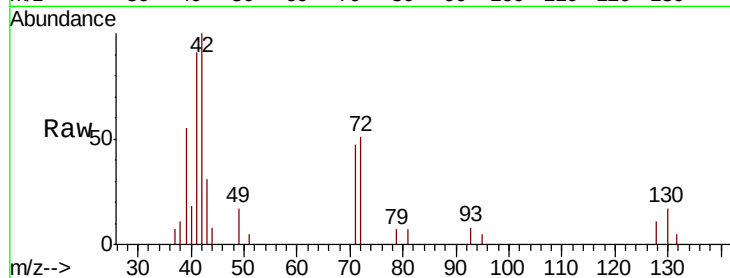
Tot Ion: 42 Resp: 23922

Ion Ratio Lower Upper

42 100

72 45.9 36.7 55.1

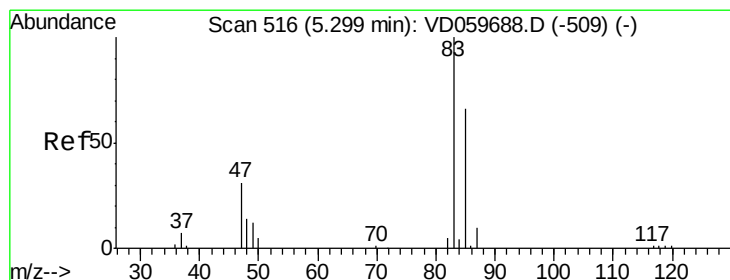
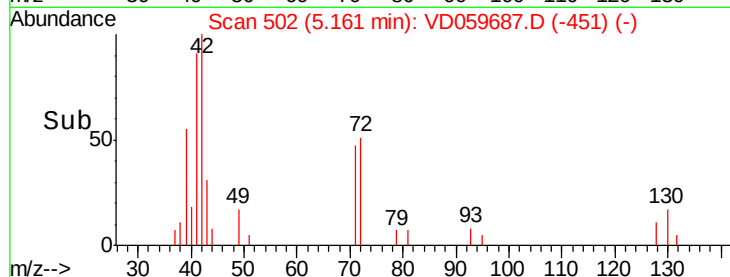
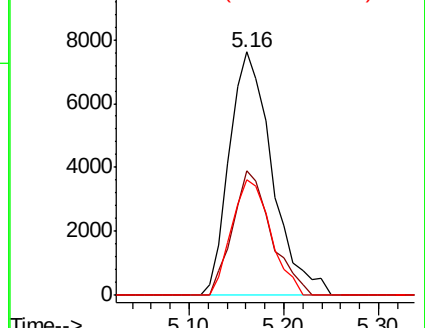
71 43.3 36.3 54.5



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.099 ug/l

RT: 5.30 min Scan# 516

Delta R.T. -0.00 min

Lab File: VD059687.D

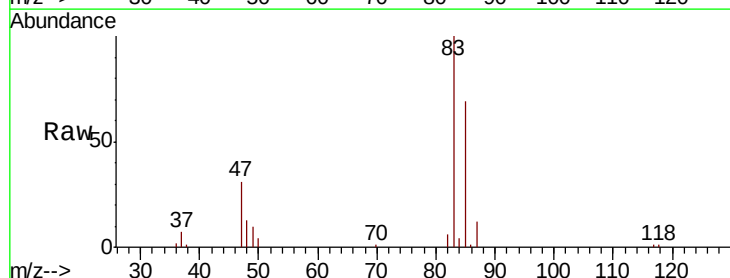
Acq: 6 Aug 2018 11:37

Tgt Ion: 83 Resp: 85611

Ion Ratio Lower Upper

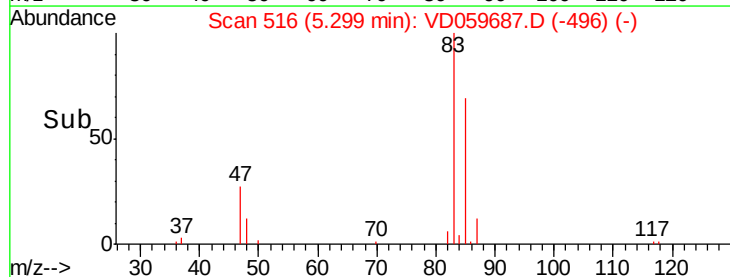
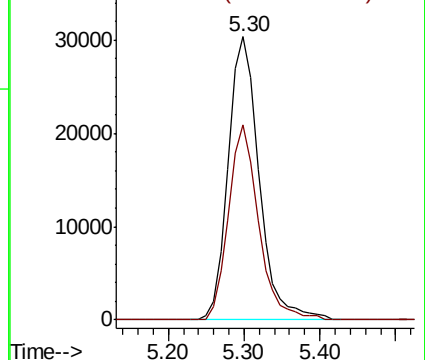
83 100

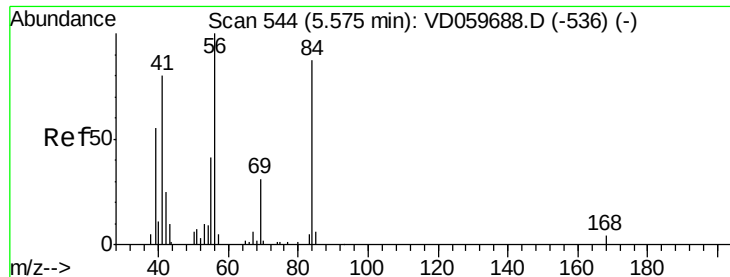
85 69.1 52.6 79.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

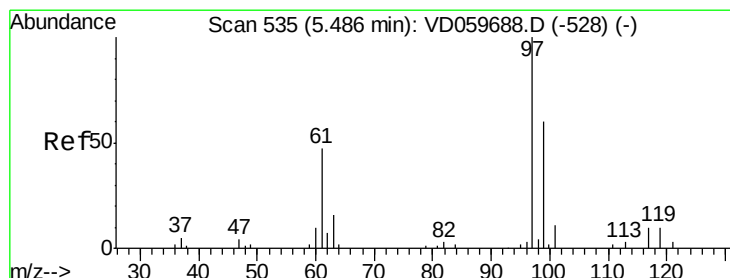
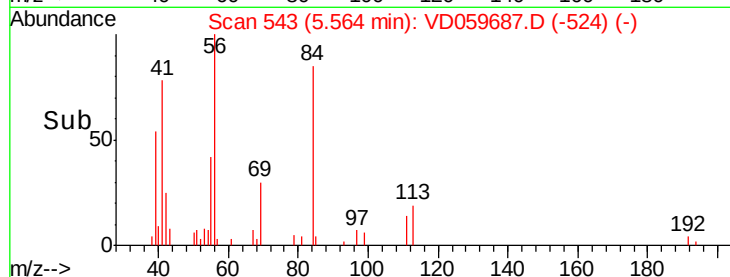
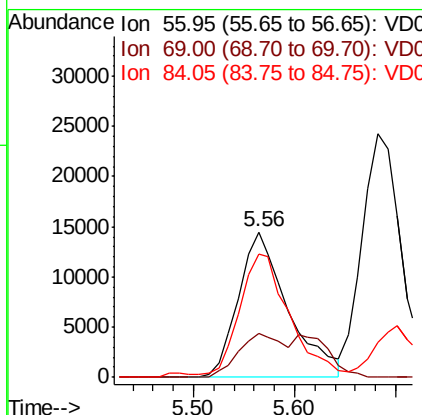
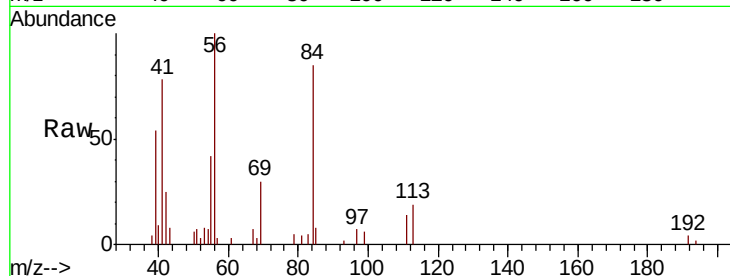




#31
Cyclohexane
Concen: 19.284 ug/l
RT: 5.56 min Scan# 543
Delta R.T. -0.01 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

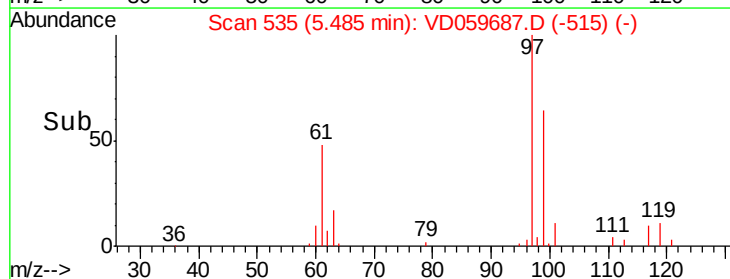
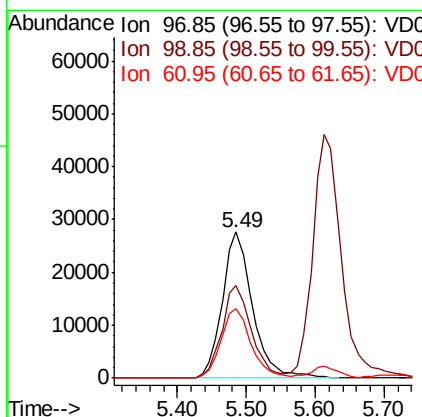
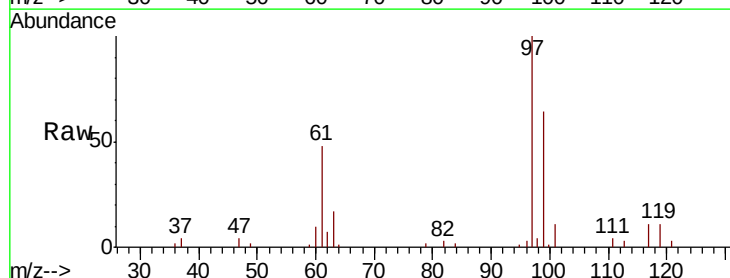
Instrument :
MSVOA_D
ClientSampleId :

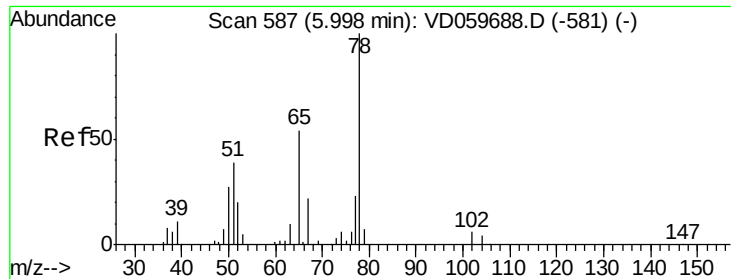
Tot Ion: 56 Resp: 49535
Ion Ratio Lower Upper
56 100
69 30.1 24.7 37.1
84 84.5 72.2 108.2



#32
1,1,1-Trichloroethane
Concen: 20.073 ug/l
RT: 5.49 min Scan# 535
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion: 97 Resp: 83799
Ion Ratio Lower Upper
97 100
99 63.7 48.2 72.2
61 48.0 37.5 56.3

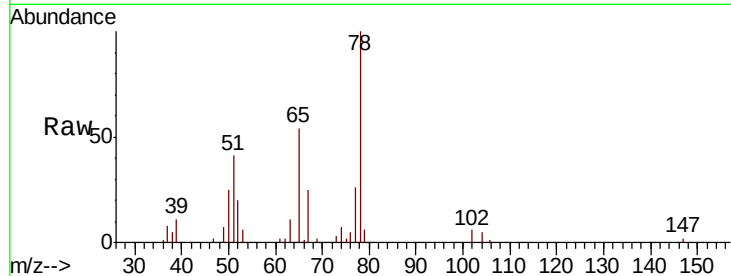




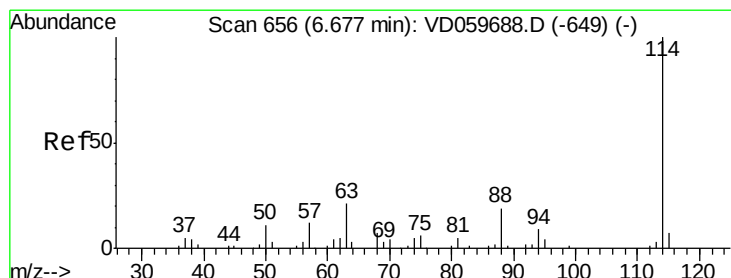
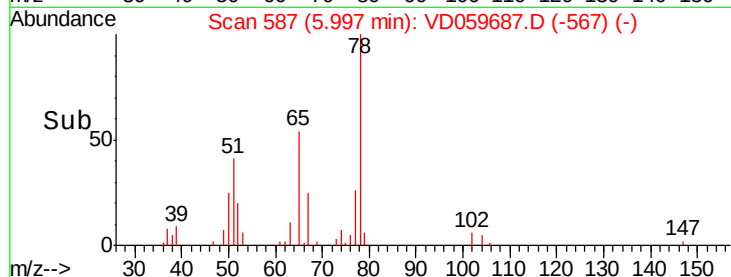
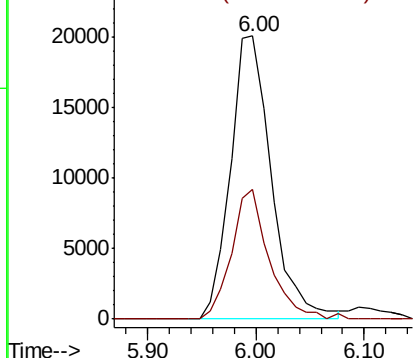
#33
 1,2-Dichloroethane-d4
 Concen: 20.073 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 65 Resp: 52814
 Ion Ratio Lower Upper
 65 100
 67 46.0 0.0 80.4

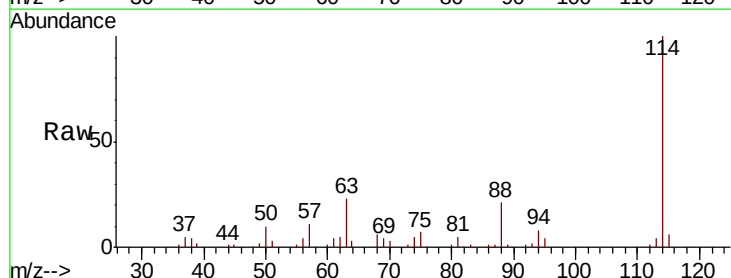


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

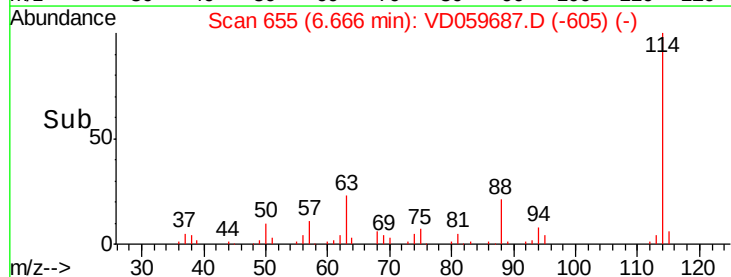
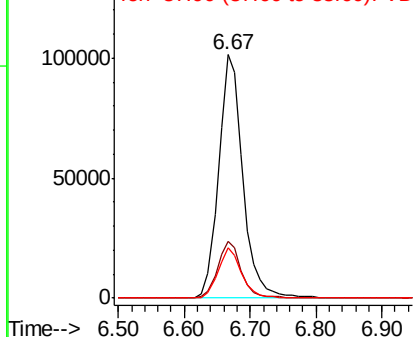


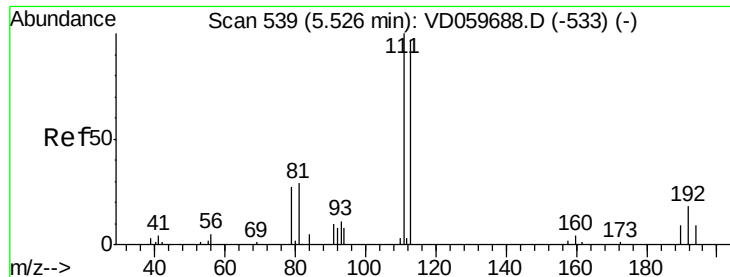
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Tgt Ion: 114 Resp: 257760
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 42.6
 88 20.6 0.0 38.8



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

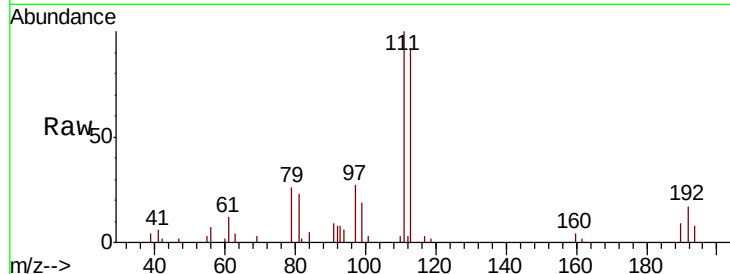




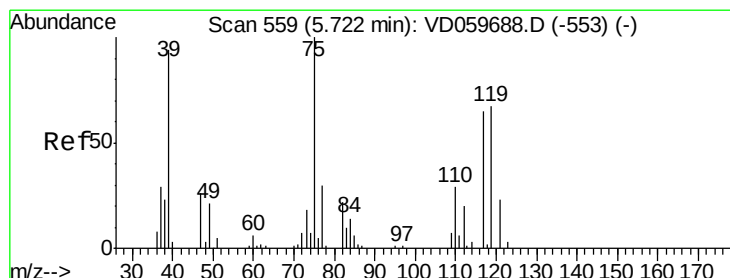
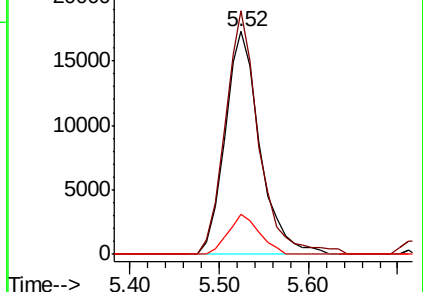
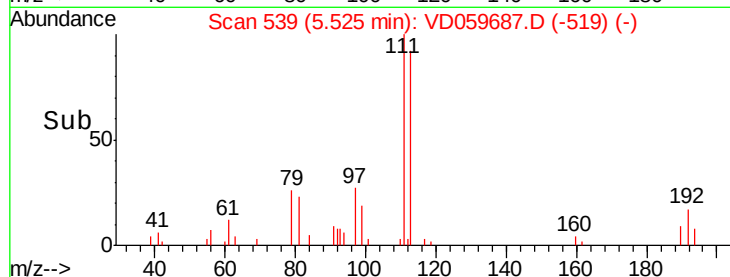
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.52 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 47237
 Ion Ratio Lower Upper
 113 100
 111 109.2 82.8 124.2
 192 18.1 14.6 22.0

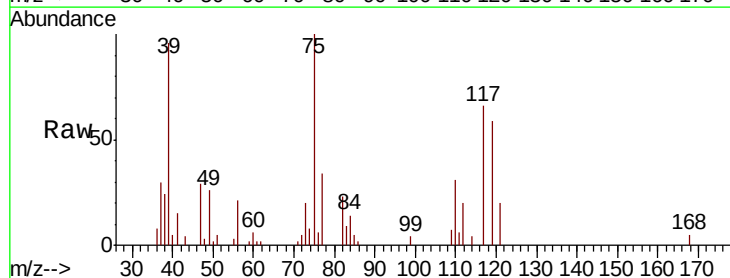


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

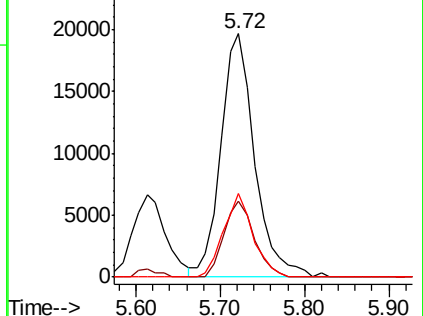
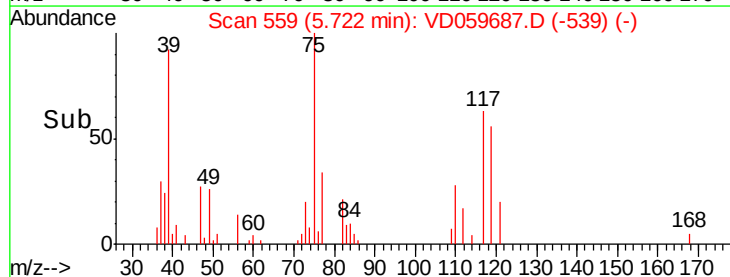


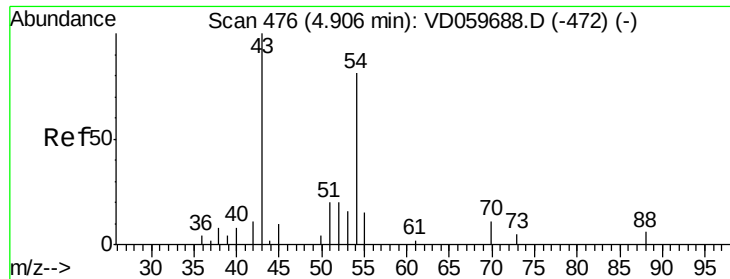
#36
 1,1-Dichloropropene
 Concen: 18.990 ug/l
 RT: 5.72 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Tgt Ion: 75 Resp: 54721
 Ion Ratio Lower Upper
 75 100
 110 30.9 14.1 42.3
 77 34.3 23.9 35.9



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

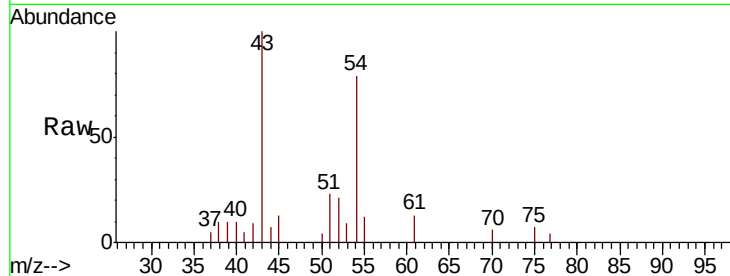




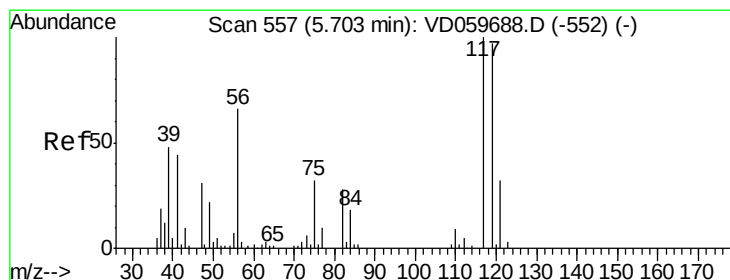
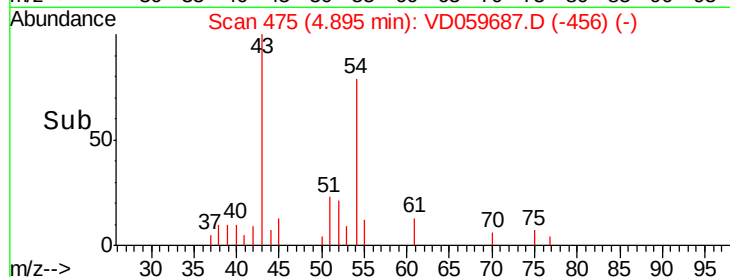
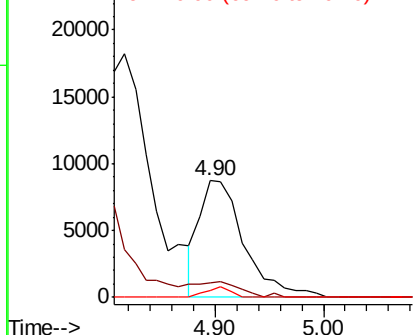
#37
Ethyl Acetate
Concen: 18.428 ug/l
RT: 4.90 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 24976
Ion Ratio Lower Upper
43 100
61 12.9 10.1 15.1
70 5.5 5.4 8.2

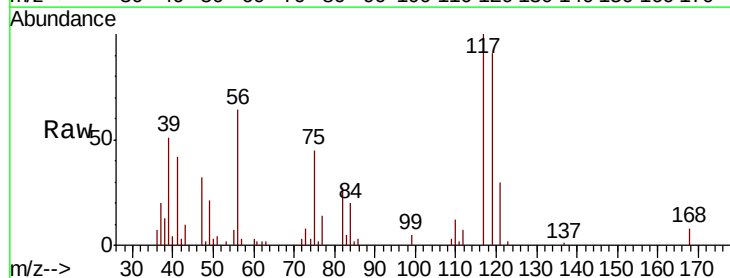


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

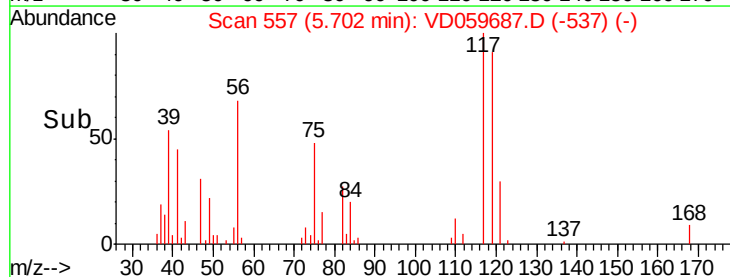
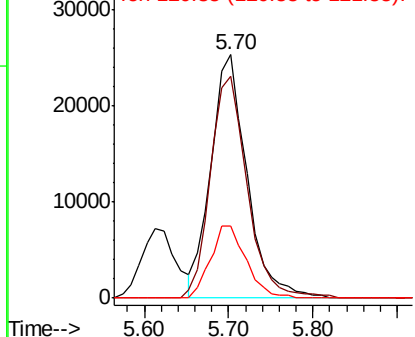


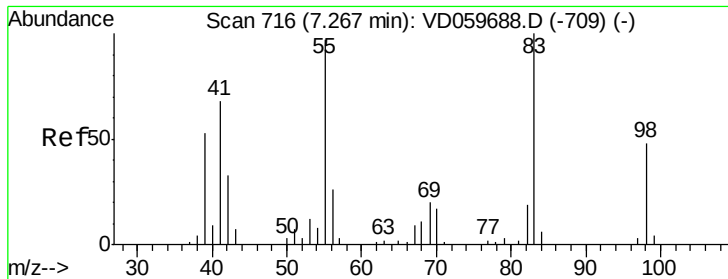
#38
Carbon Tetrachloride
Concen: 19.236 ug/l
RT: 5.70 min Scan# 557
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion: 117 Resp: 75072
Ion Ratio Lower Upper
117 100
119 91.0 75.3 112.9
121 29.7 24.4 36.6



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

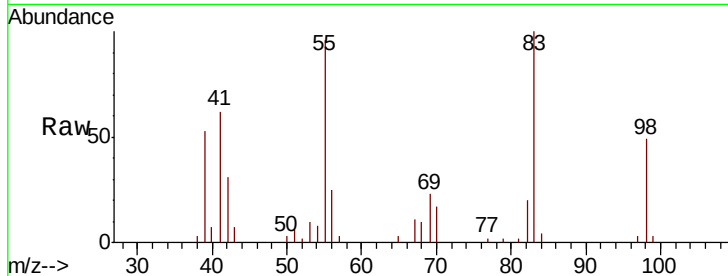




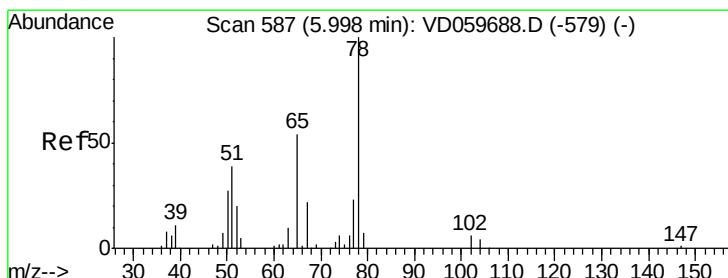
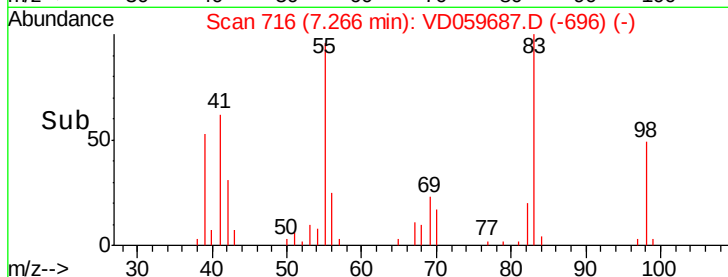
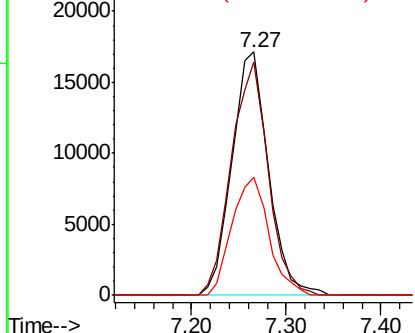
#39
Methylvlcyclohexane
Concen: 19.238 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 45885
Ion Ratio Lower Upper
83 100
55 95.6 77.7 116.5
98 48.7 38.7 58.1

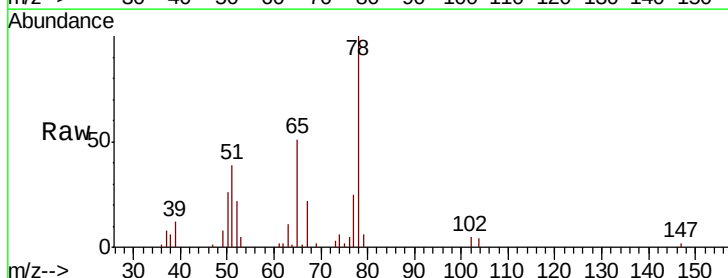


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

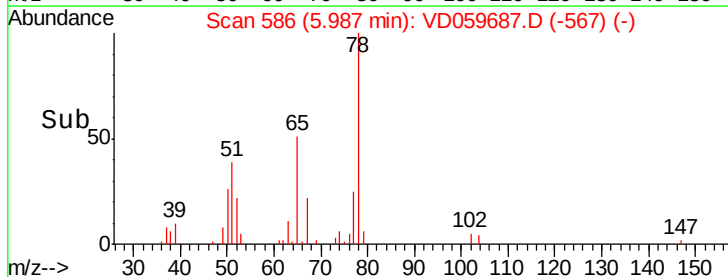
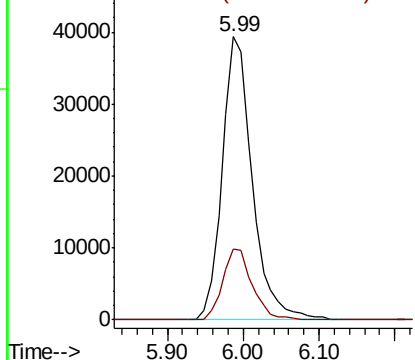


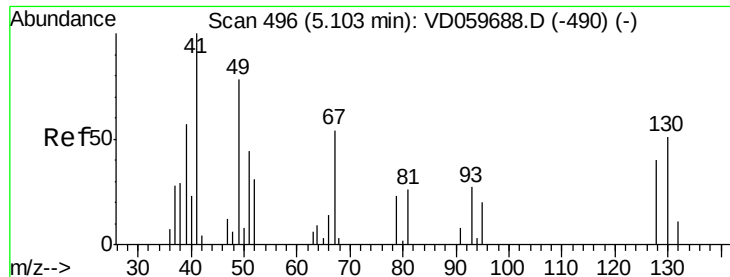
#40
Benzene
Concen: 19.410 ug/l
RT: 5.99 min Scan# 586
Delta R.T. -0.01 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion: 78 Resp: 107801
Ion Ratio Lower Upper
78 100
77 25.0 18.4 27.6



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





#41

Methacrylonitrile

Concen: 20.199 ug/l

RT: 5.10 min Scan# 496

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 13264

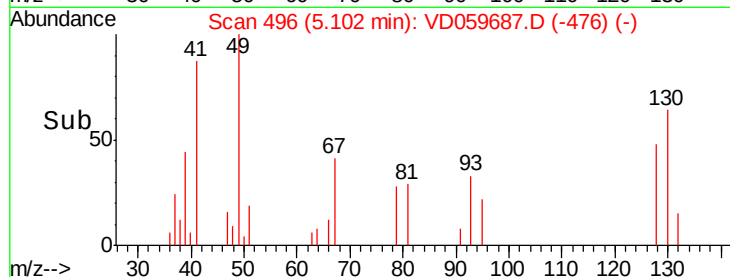
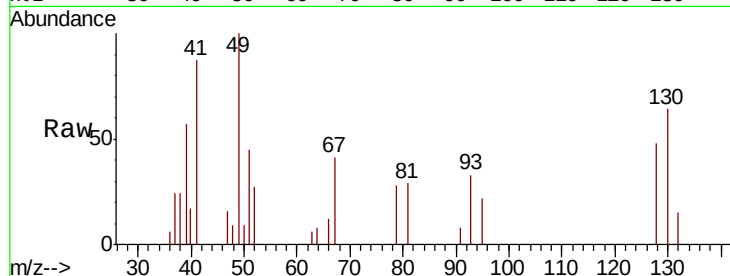
Ion Ratio Lower Upper

41 100

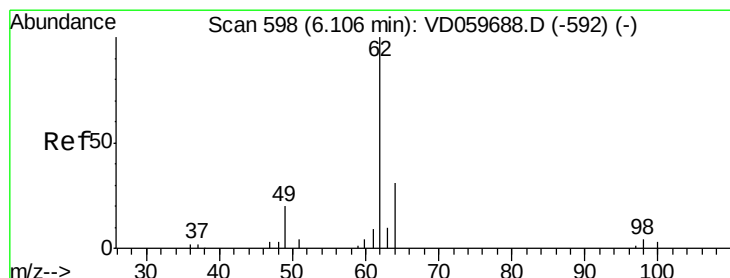
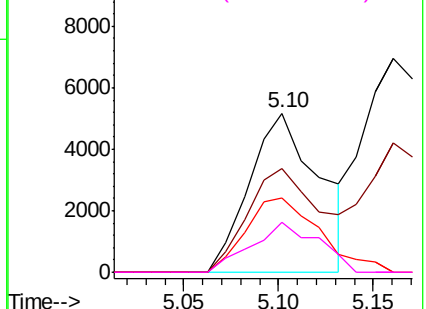
39 65.1 45.8 68.8

67 46.5 43.4 65.2

52 31.3 24.6 37.0



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: 19.650 ug/l

RT: 6.11 min Scan# 598

Delta R.T. -0.00 min

Lab File: VD059687.D

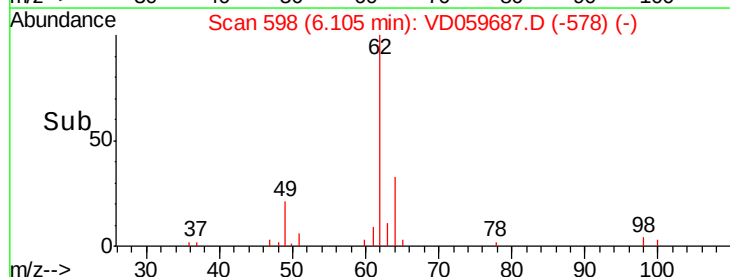
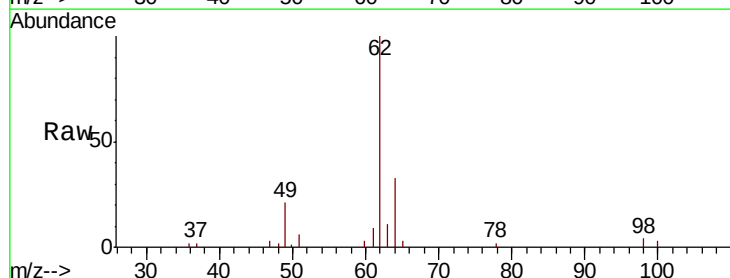
Acq: 6 Aug 2018 11:37

Tgt Ion: 62 Resp: 67203

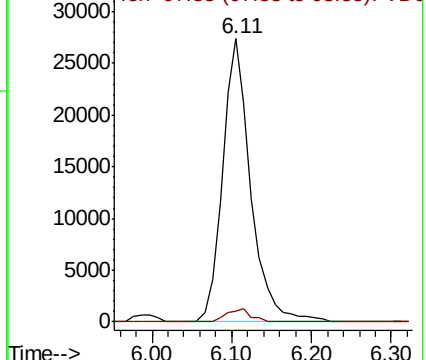
Ion Ratio Lower Upper

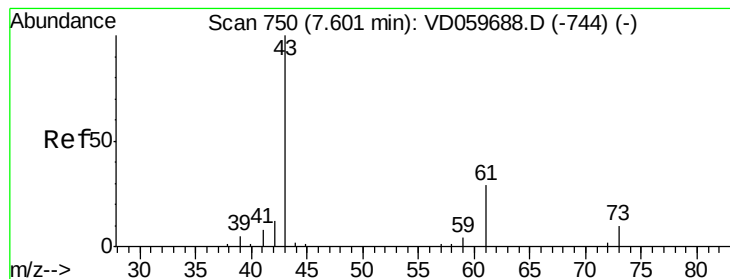
62 100

98 3.9 0.0 8.8



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





#43

Isopropyl Acetate

Concen: 19.805 ug/l

RT: 7.60 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

ClientSampleId :

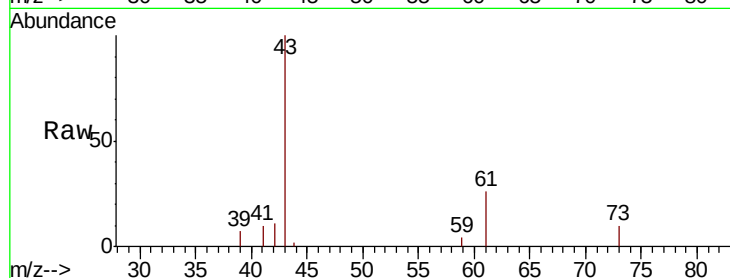
Tot Ion: 43 Resp: 35563

Ion Ratio Lower Upper

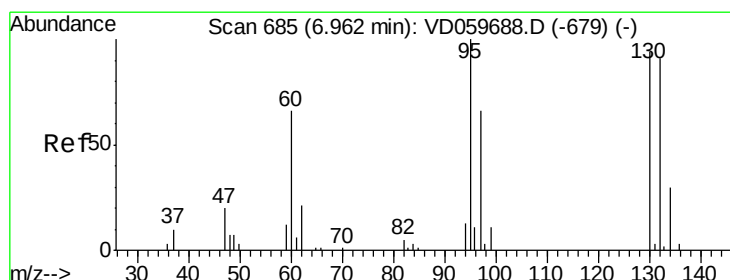
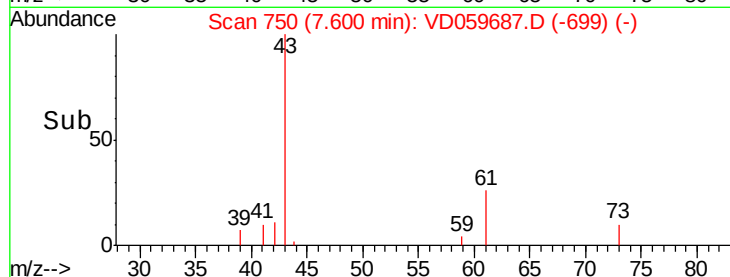
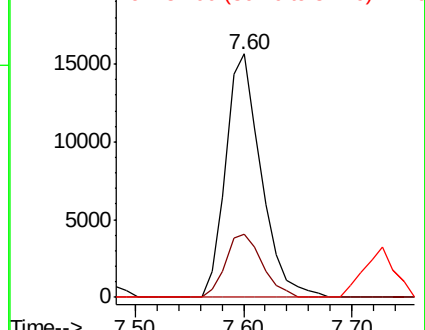
43 100

61 25.9 22.9 34.3

87 0.0 0.0 0.0



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: 19.474 ug/l

RT: 6.96 min Scan# 685

Delta R.T. -0.00 min

Lab File: VD059687.D

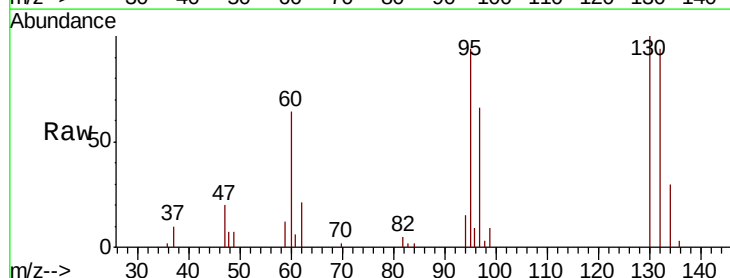
Acq: 6 Aug 2018 11:37

Tgt Ion:130 Resp: 39466

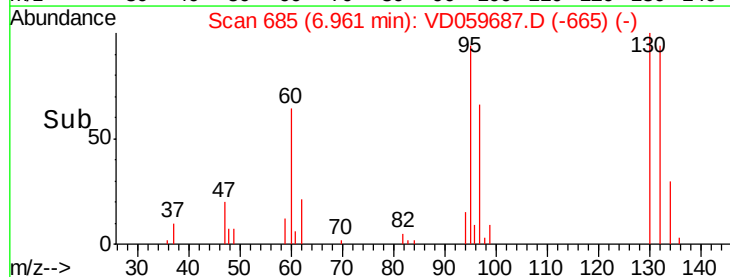
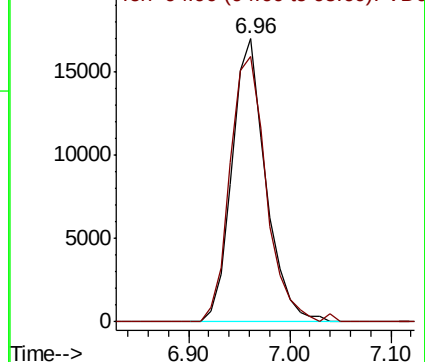
Ion Ratio Lower Upper

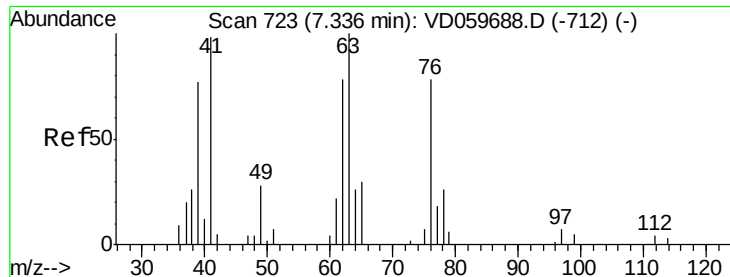
130 100

95 93.6 0.0 212.8



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





#45

1,2-Dichloropropane

Concen: 18.674 ug/l

RT: 7.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

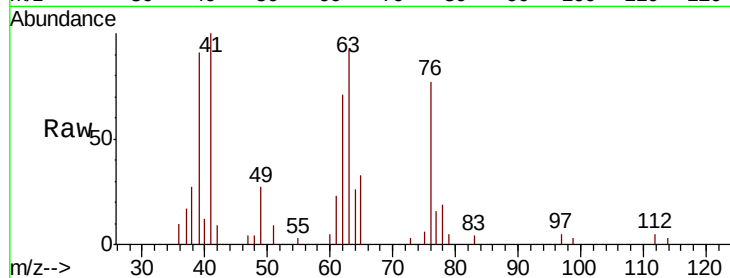
ClientSampled :

Tot Ion: 63 Resp: 26794

Ion Ratio Lower Upper

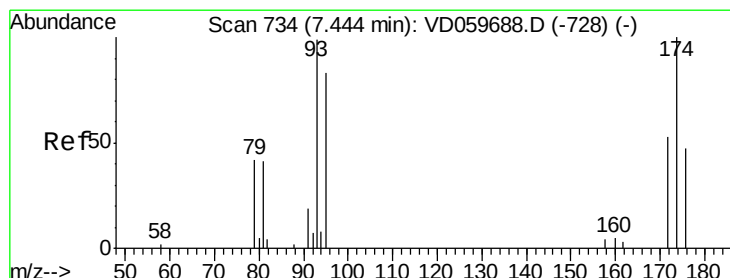
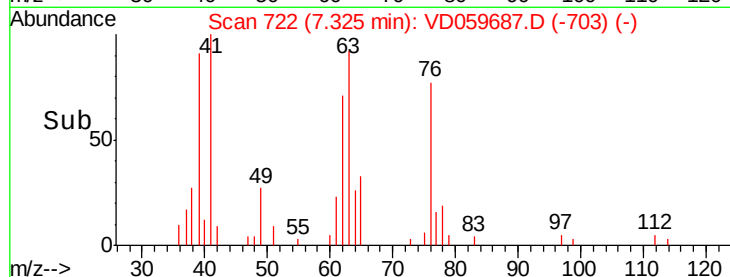
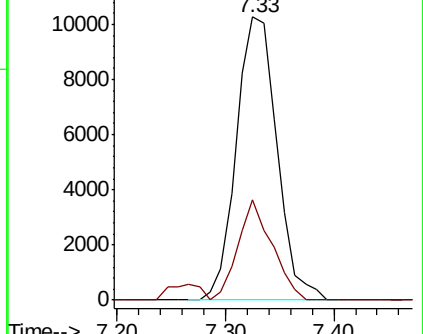
63 100

65 35.5 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.559 ug/l

RT: 7.44 min Scan# 734

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

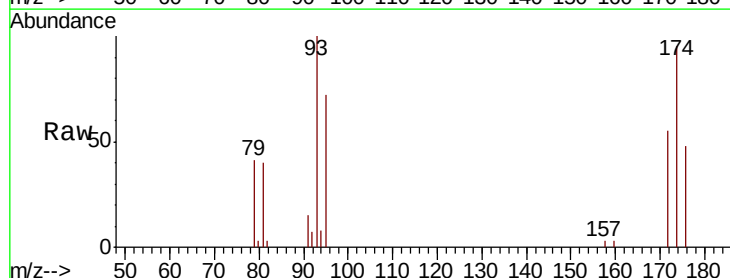
Tgt Ion: 93 Resp: 24699

Ion Ratio Lower Upper

93 100

95 72.3 66.6 100.0

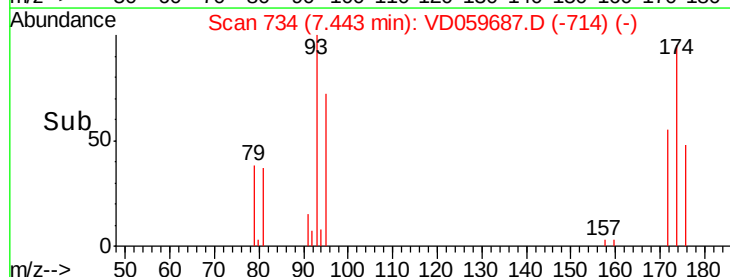
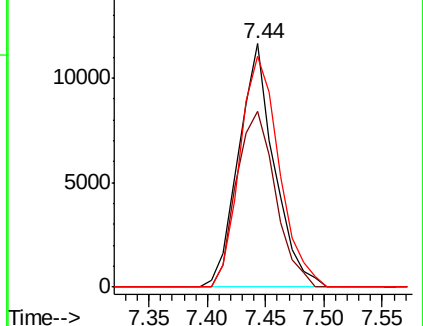
174 94.6 80.6 120.8

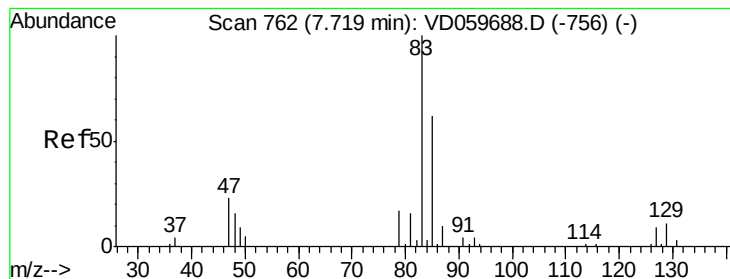


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.116 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

ClientSampleId :

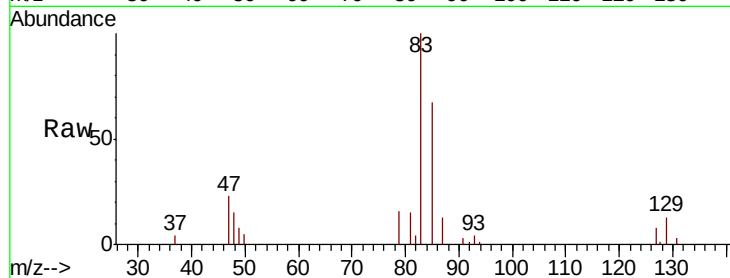
Tot Ion: 83 Resp: 61894

Ion Ratio Lower Upper

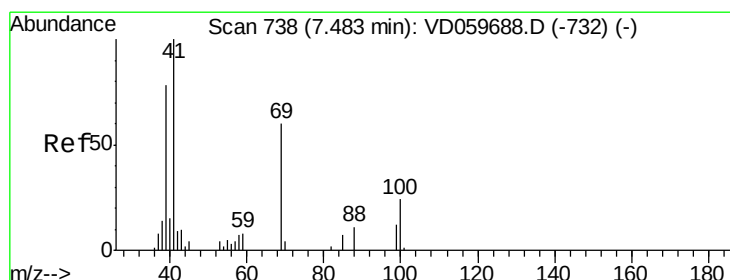
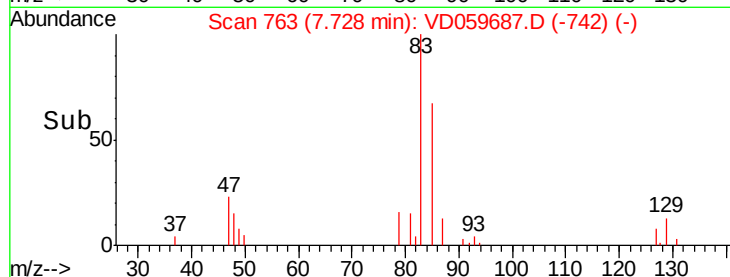
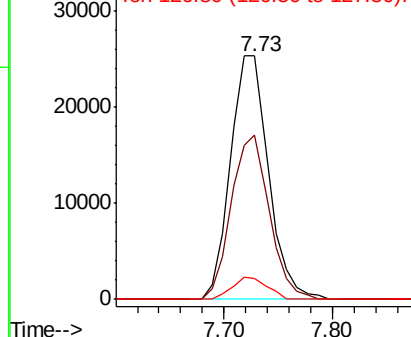
83 100

85 67.4 49.8 74.8

127 8.5 7.3 10.9



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: 18.695 ug/l

RT: 7.48 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

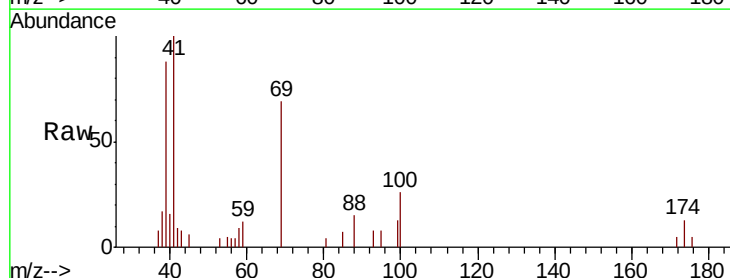
Tgt Ion: 41 Resp: 22240

Ion Ratio Lower Upper

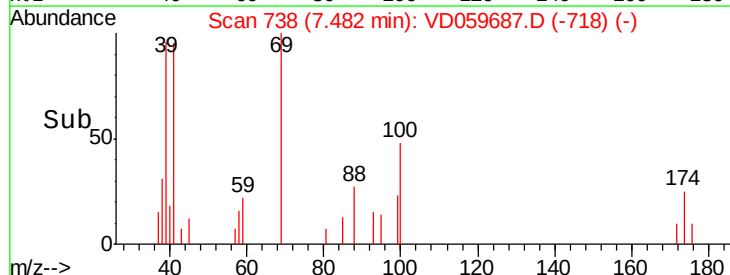
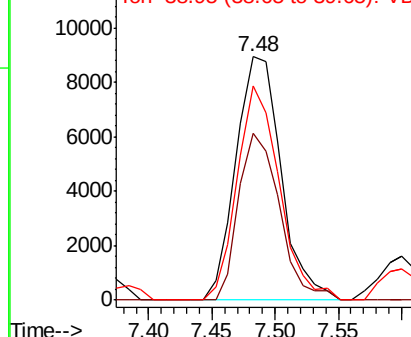
41 100

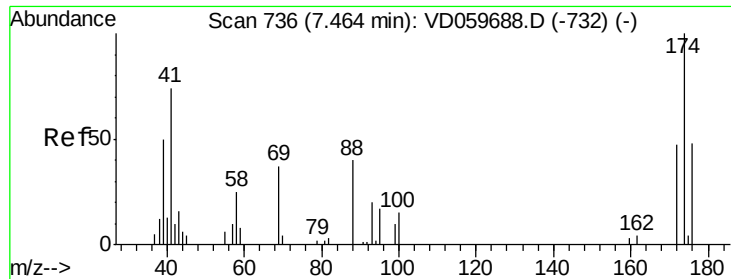
69 68.6 47.3 70.9

39 87.9 62.9 94.3



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

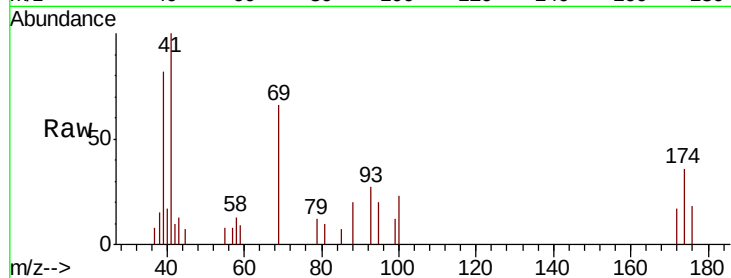




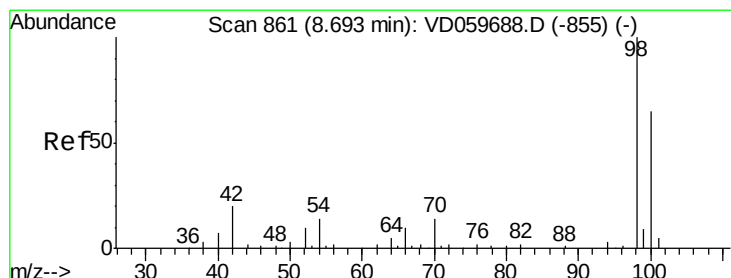
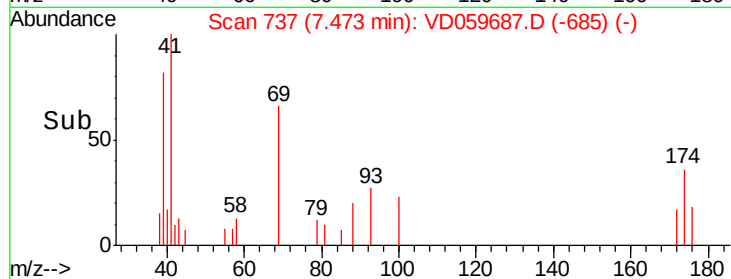
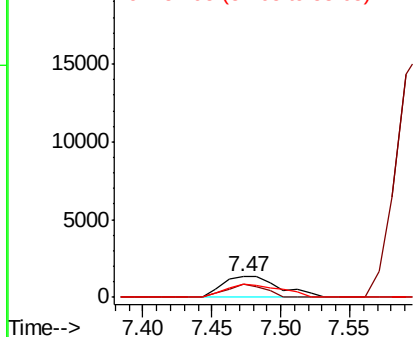
#49
1,4-Dioxane
Concen: 420.091 ug/l
RT: 7.47 min Scan# 737
Delta R.T. 0.01 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 3887
Ion Ratio Lower Upper
88 100
43 62.5 32.2 48.2#
58 61.6 51.5 77.3

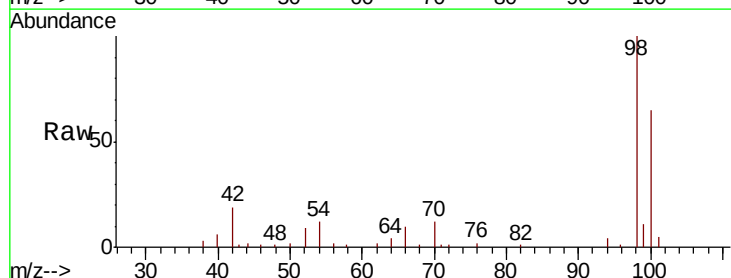


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

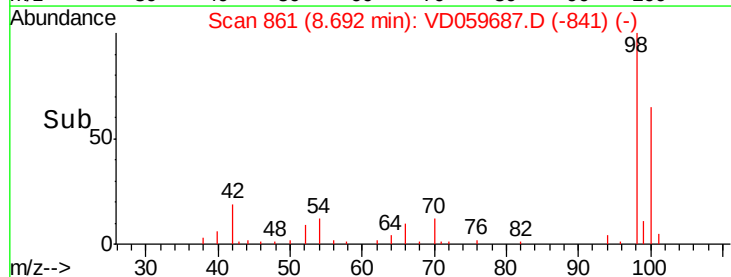
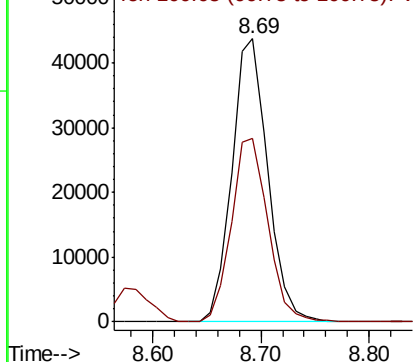


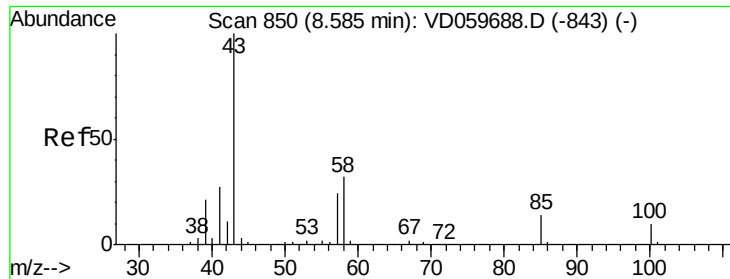
#50
Toluene-d8
Concen: 420.091 ug/l
RT: 8.69 min Scan# 861
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion: 98 Resp: 100259
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



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: 88.719 ug/l

RT: 8.57 min Scan# 849

Delta R.T. -0.01 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

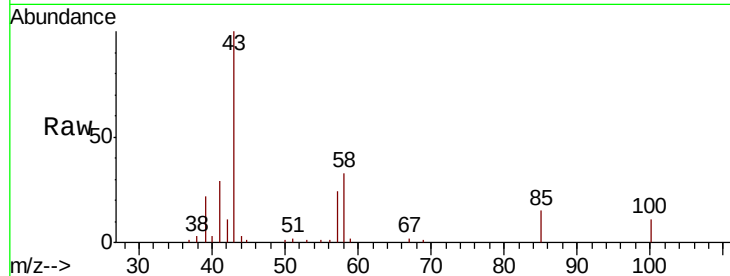
ClientSampleId :

Tot Ion: 43 Resp: 116002

Ion Ratio Lower Upper

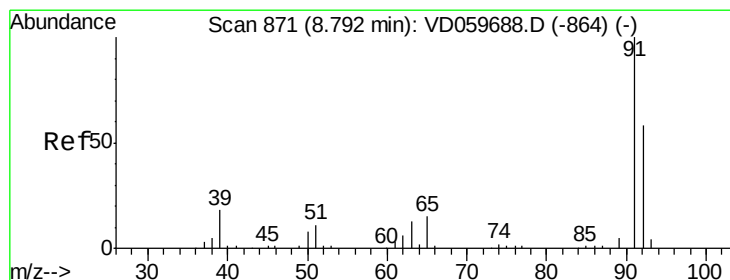
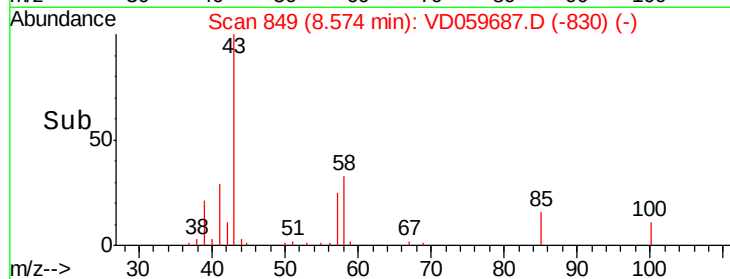
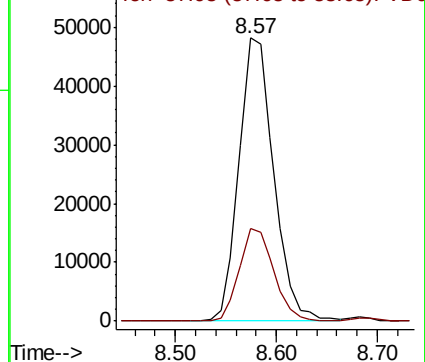
43 100

58 32.6 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.577 ug/l

RT: 8.78 min Scan# 870

Delta R.T. -0.01 min

Lab File: VD059687.D

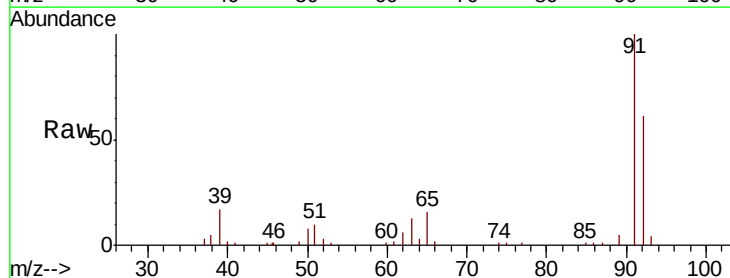
Acq: 6 Aug 2018 11:37

Tgt Ion: 92 Resp: 68498

Ion Ratio Lower Upper

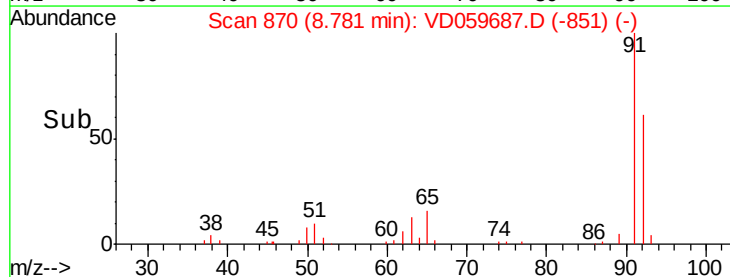
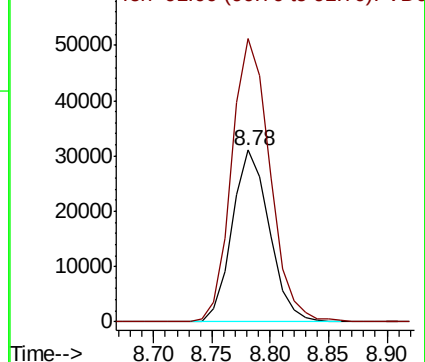
92 100

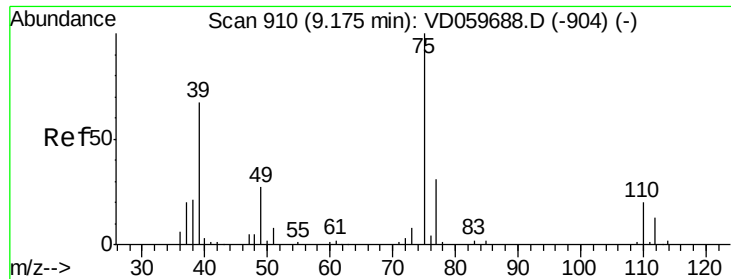
91 165.1 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

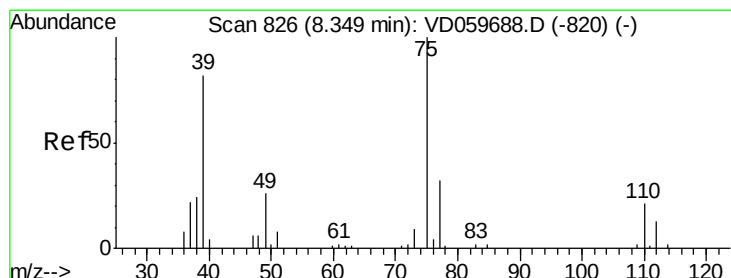
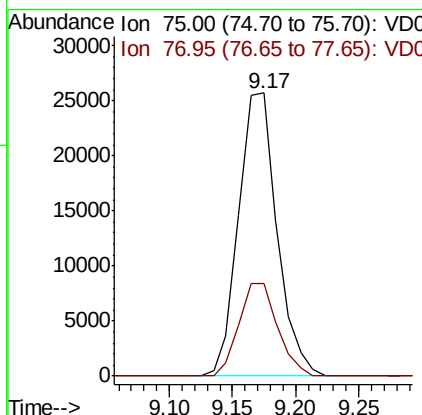
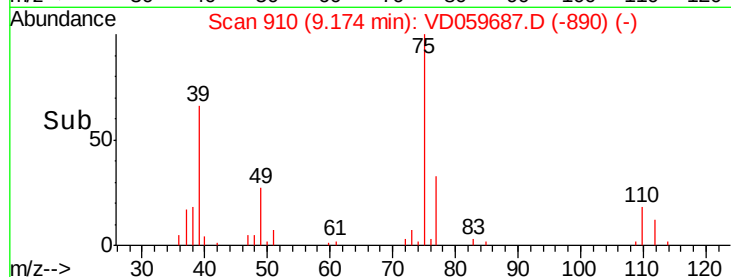
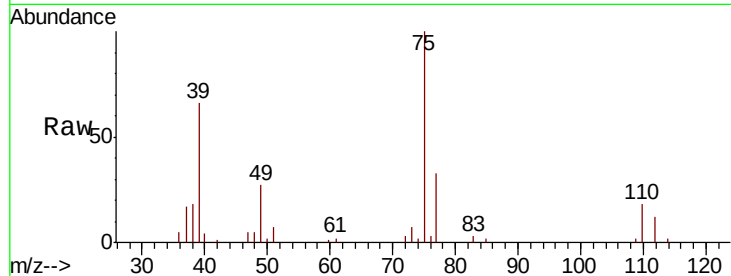




#53
 t-1,3-Dichloropropene
 Concen: 19.840 ug/l
 RT: 9.17 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

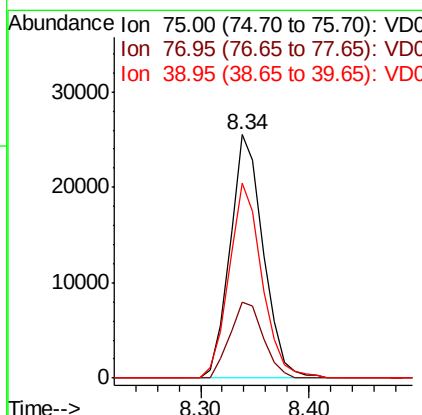
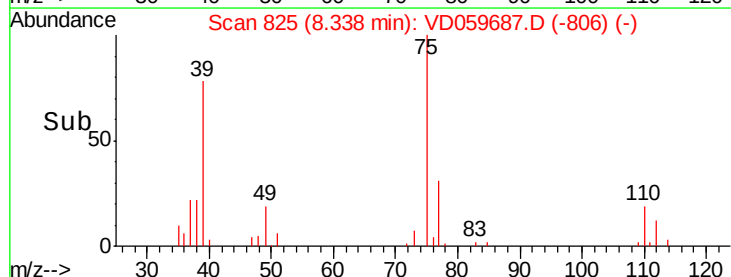
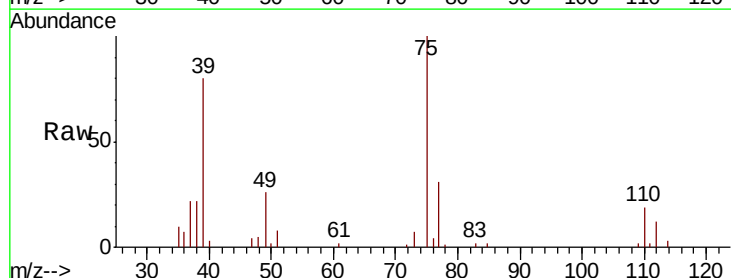
Instrument :
 MSVOA_D
 ClientSampled :

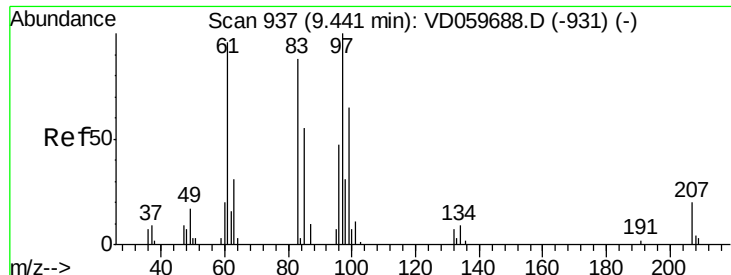
Tot Ion: 75 Resp: 54405
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 19.639 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Tgt Ion: 75 Resp: 54351
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.5 38.3
 39 80.0 65.4 98.2

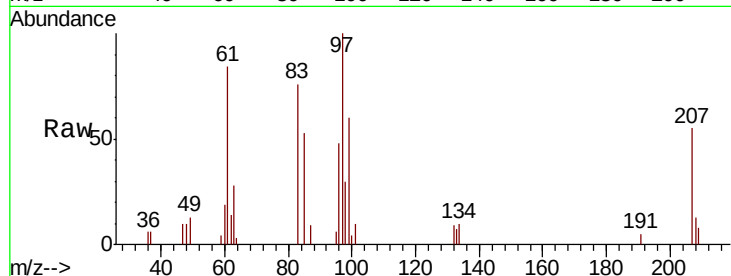




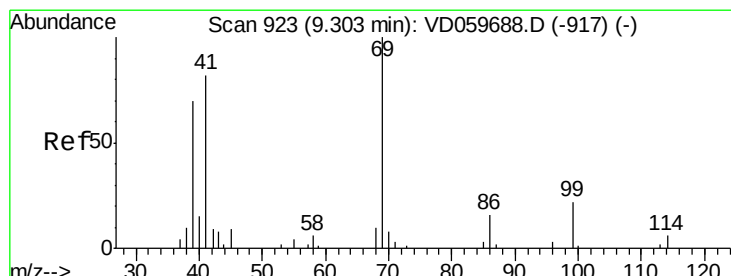
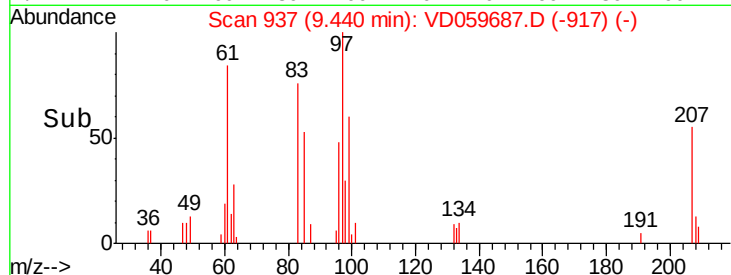
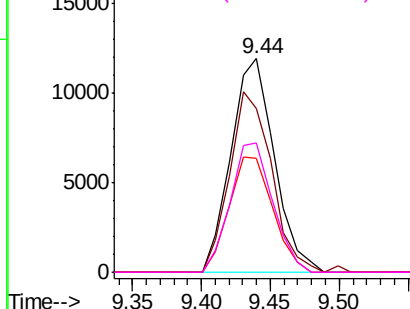
#55
 1,1,2-Trichloroethane
 Concen: 19.530 ug/l
 RT: 9.44 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 26203
 Ion Ratio Lower Upper
 97 100
 83 76.5 70.8 106.2
 85 53.1 44.1 66.1
 99 60.5 52.2 78.4

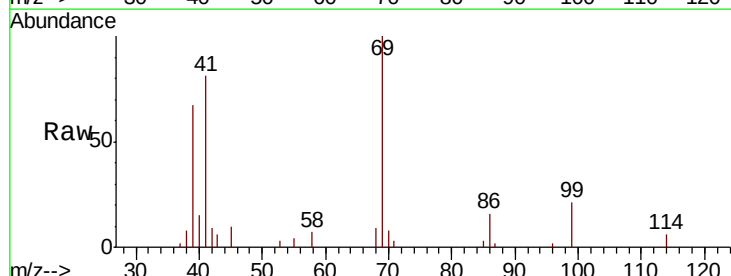


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

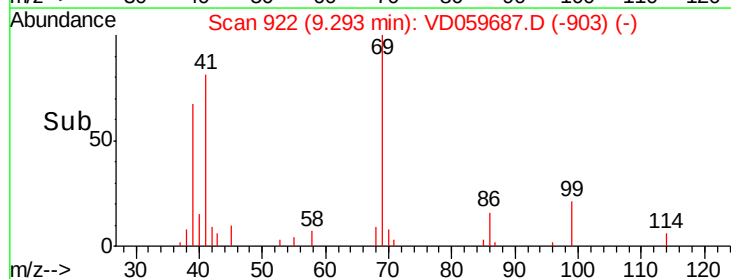
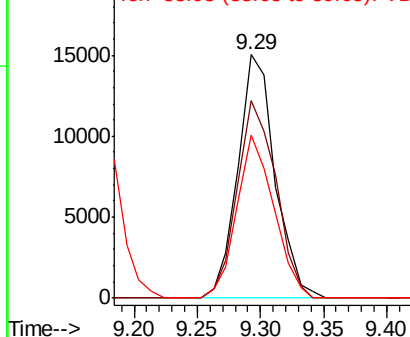


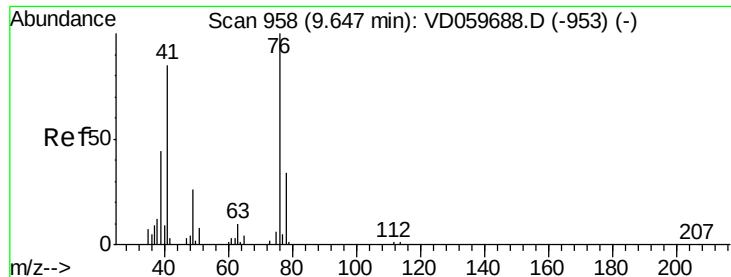
#56
 Ethyl methacrylate
 Concen: 20.240 ug/l
 RT: 9.29 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Tgt Ion: 69 Resp: 30711
 Ion Ratio Lower Upper
 69 100
 41 81.1 65.7 98.5
 39 66.8 55.8 83.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

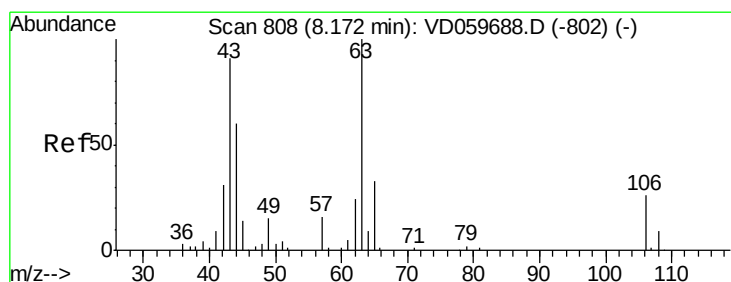
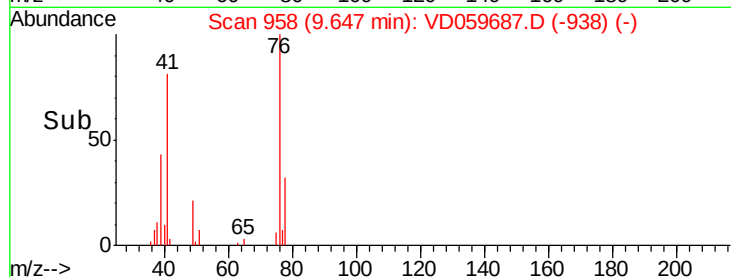
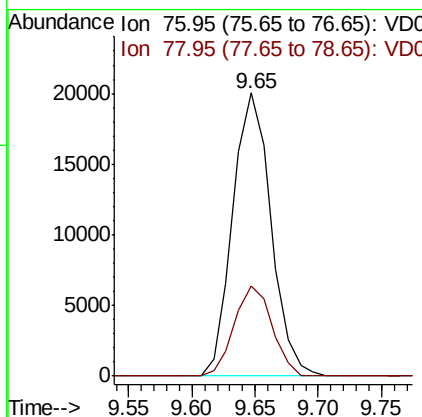
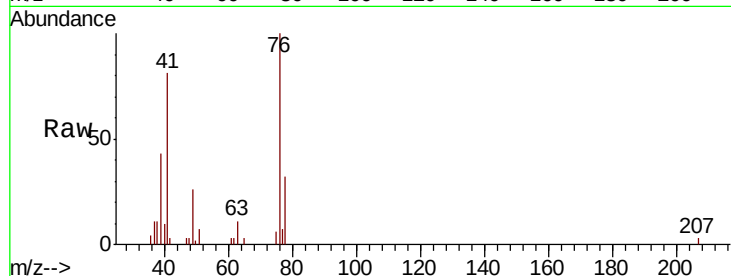




#57
 1,3-Dichloropropane
 Concen: 19.518 ug/l
 RT: 9.65 min Scan# 958
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

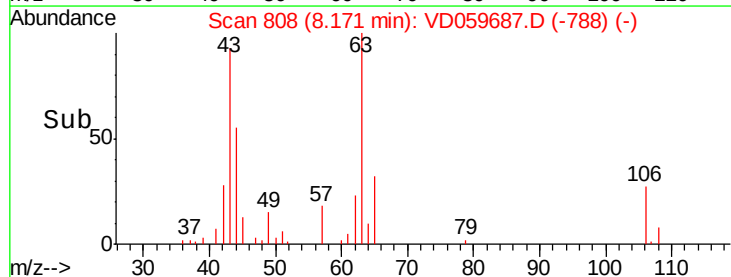
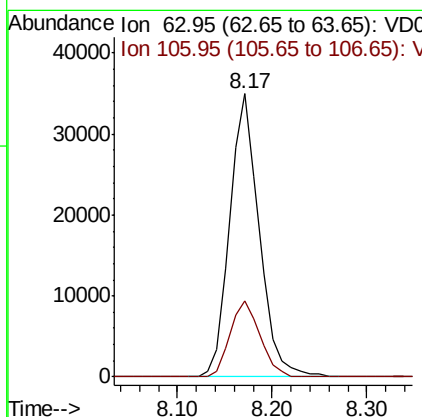
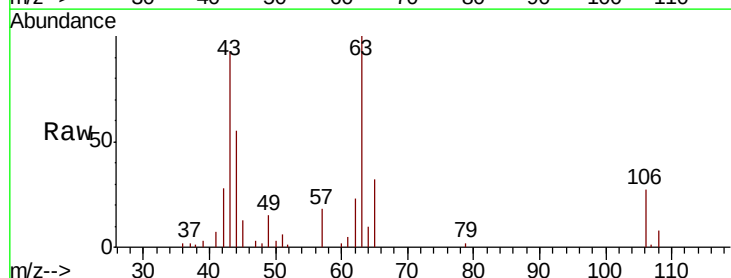
Instrument :
 MSVOA_D
 ClientSampled :

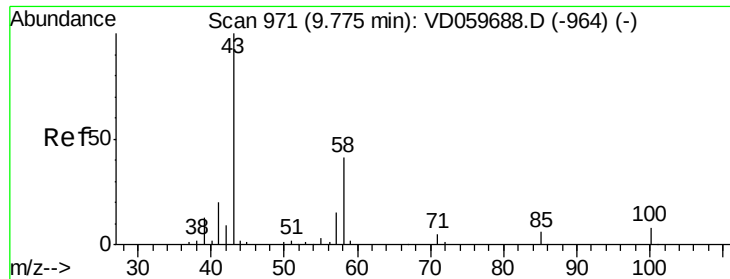
Tot Ion: 76 Resp: 42113
 Ion Ratio Lower Upper
 76 100
 78 32.0 27.5 41.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.780 ug/l
 RT: 8.17 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Tgt Ion: 63 Resp: 75036
 Ion Ratio Lower Upper
 63 100
 106 27.0 20.7 31.1

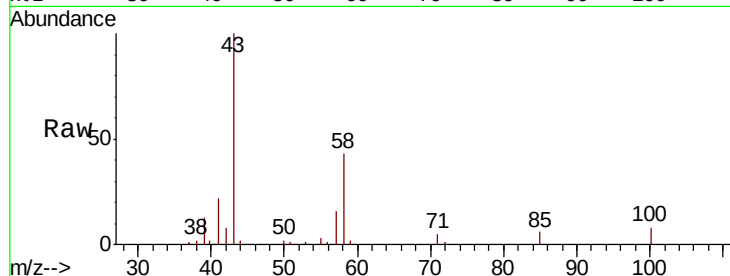




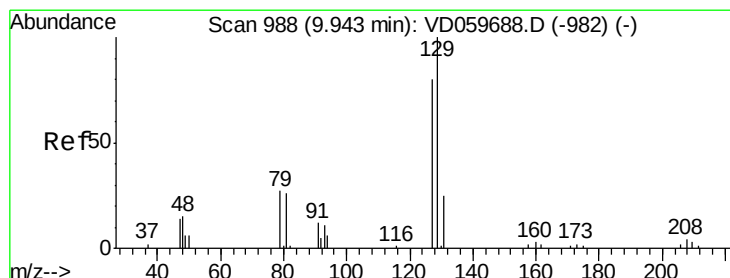
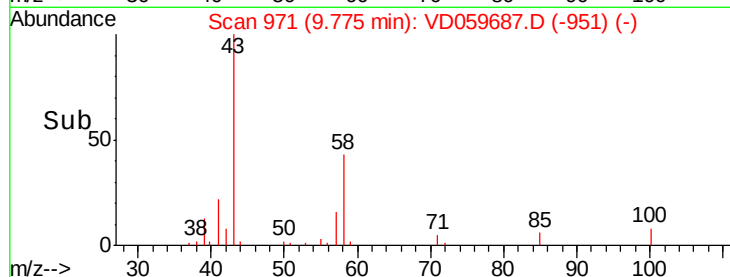
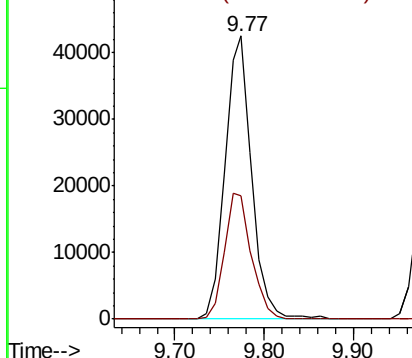
#59
2-Hexanone
Concen: 89.849 ug/l
RT: 9.77 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 88914
Ion Ratio Lower Upper
43 100
58 43.4 20.4 61.3

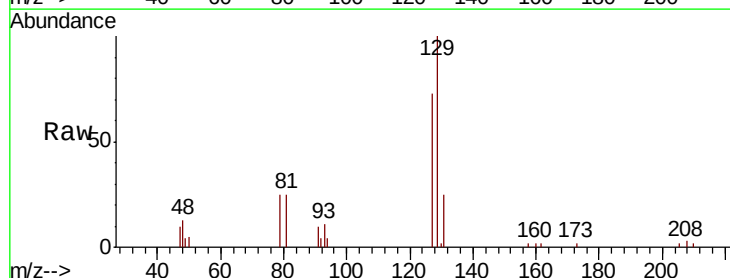


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

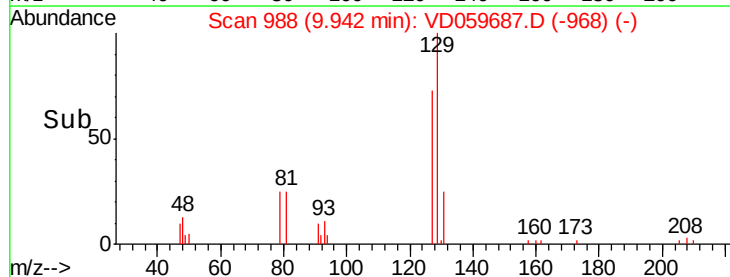
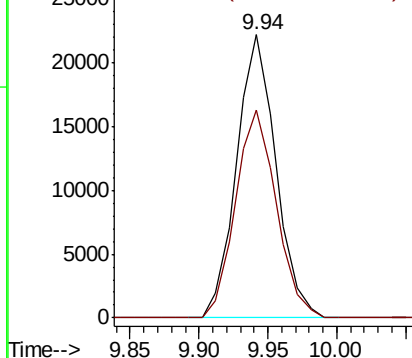


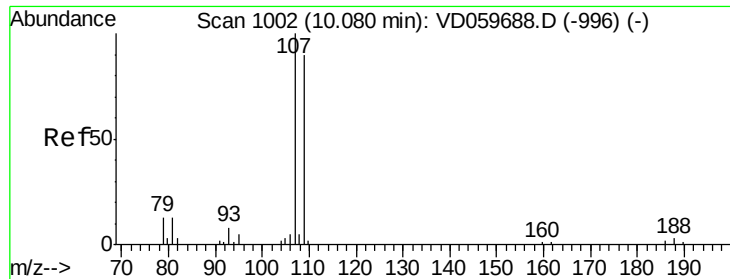
#60
Dibromochloromethane
Concen: 20.204 ug/l
RT: 9.94 min Scan# 988
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion:129 Resp: 44093
Ion Ratio Lower Upper
129 100
127 73.3 40.0 119.9



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





#61

1,2-Dibromoethane

Concen: 19.892 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

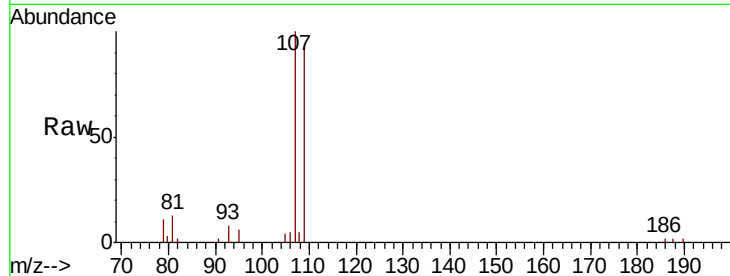
ClientSampleId :

Tot Ion:107 Resp: 31442

Ion Ratio Lower Upper

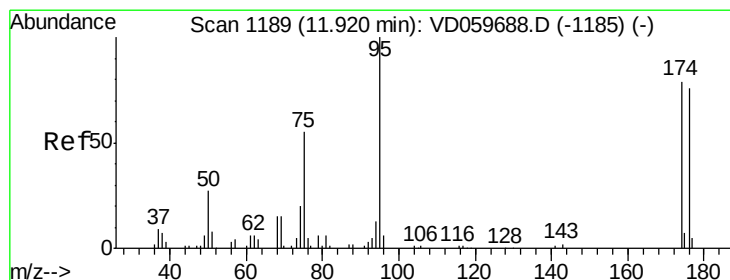
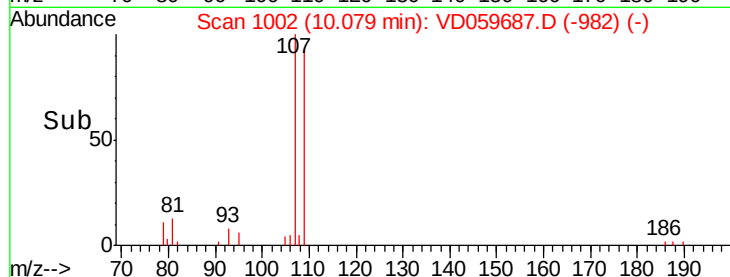
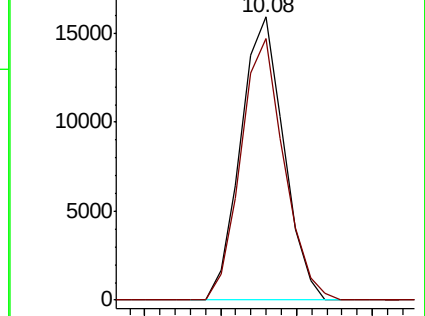
107 100

109 92.3 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.892 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

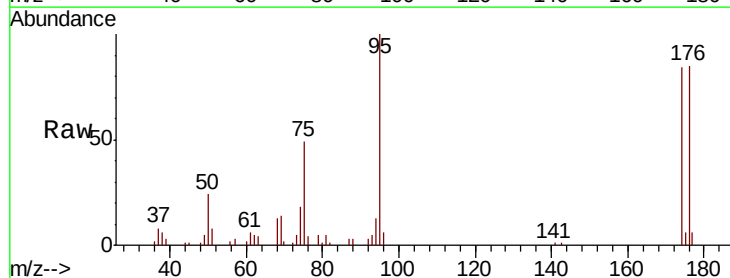
Tgt Ion: 95 Resp: 47861

Ion Ratio Lower Upper

95 100

174 83.7 0.0 158.4

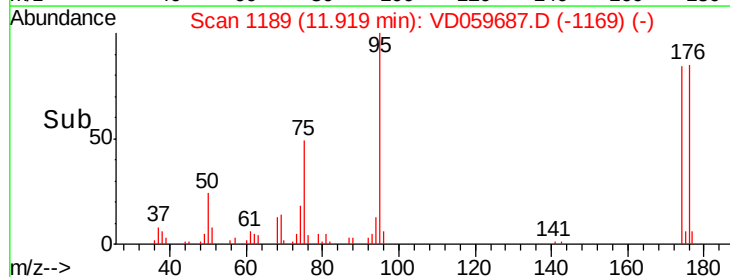
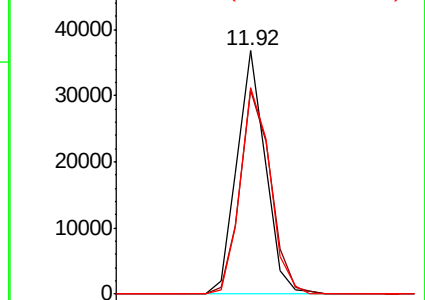
176 84.7 0.0 153.0

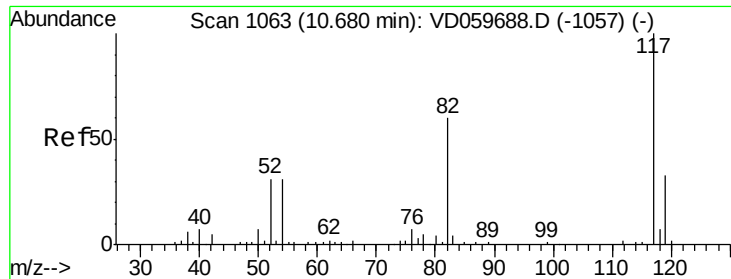


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

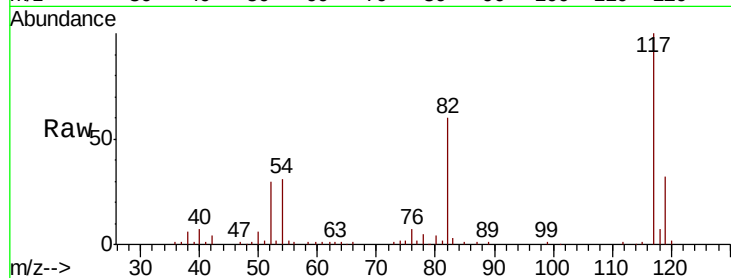




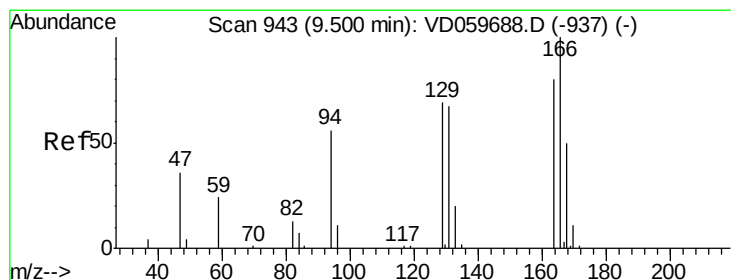
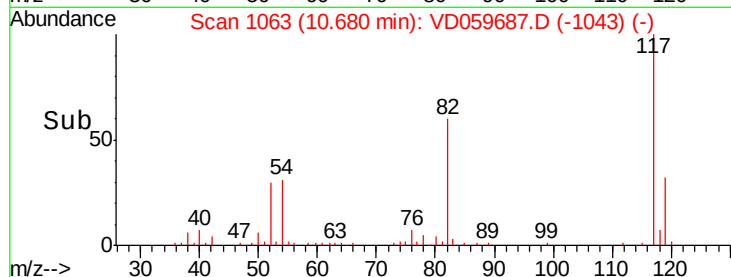
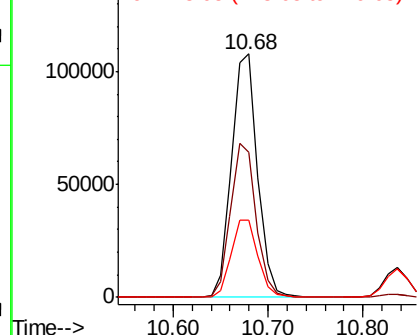
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 204917
Ion Ratio Lower Upper
117 100
82 59.6 47.7 71.5
119 31.5 26.6 40.0

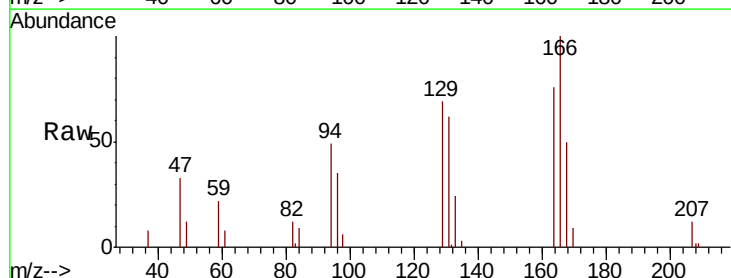


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

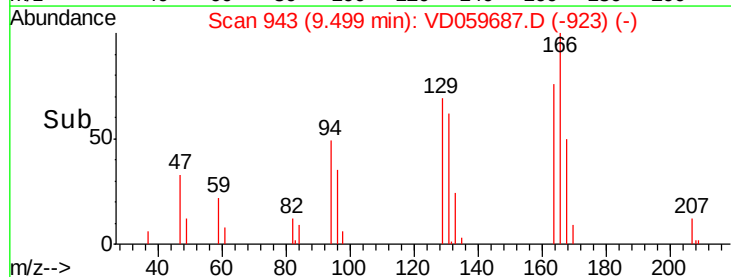
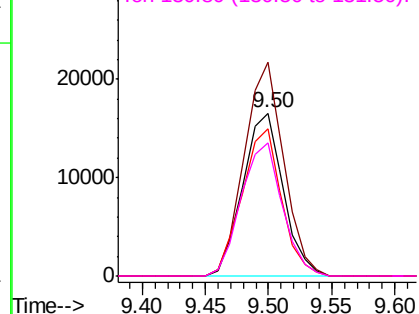


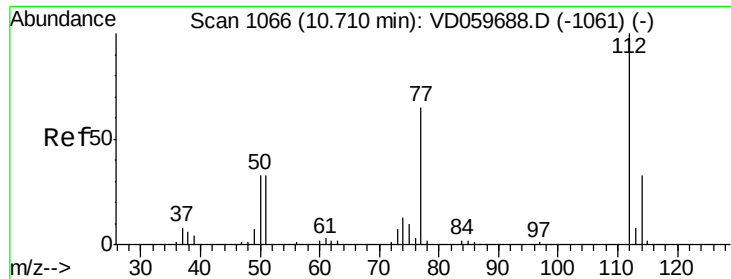
#64
Tetrachloroethene
Concen: 19.205 ug/l
RT: 9.50 min Scan# 943
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion:164 Resp: 36635
Ion Ratio Lower Upper
164 100
166 131.0 100.5 150.7
129 90.2 69.3 103.9
131 81.7 67.3 100.9



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

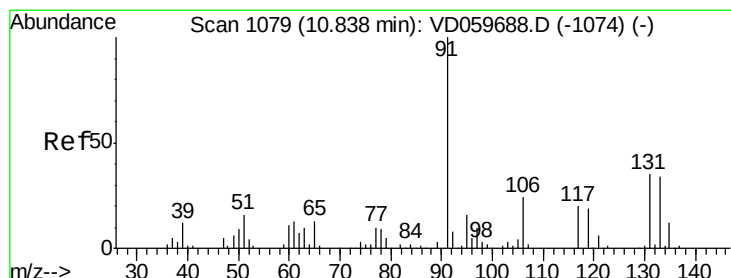
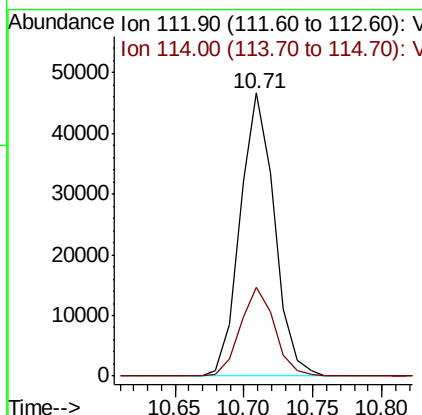
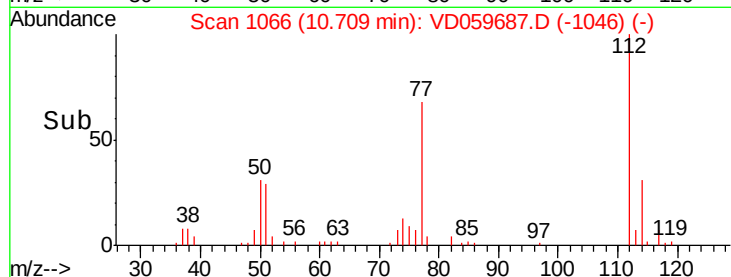
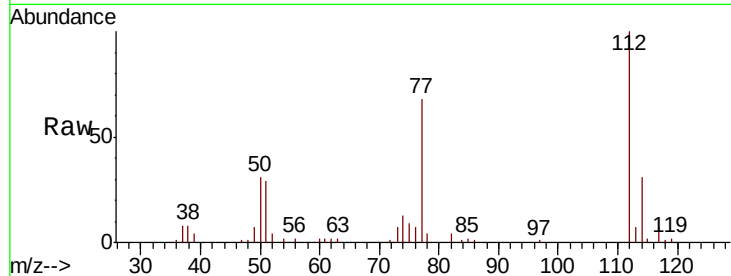




#65
Chlorobenzene
Concen: 19.358 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

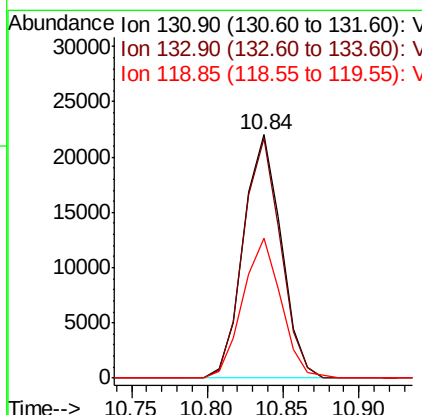
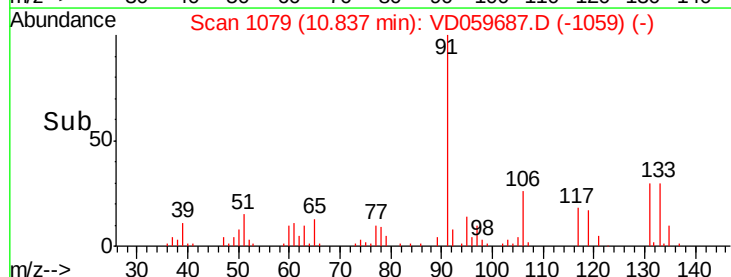
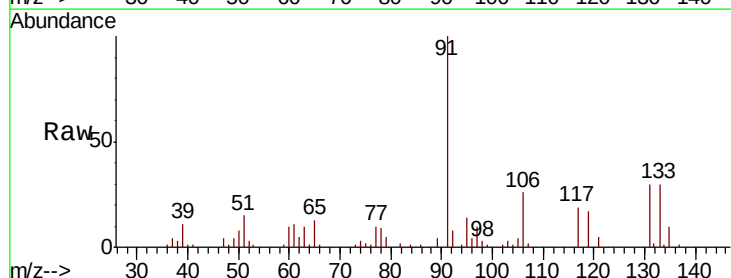
Instrument :
MSVOA_D
ClientSampled :

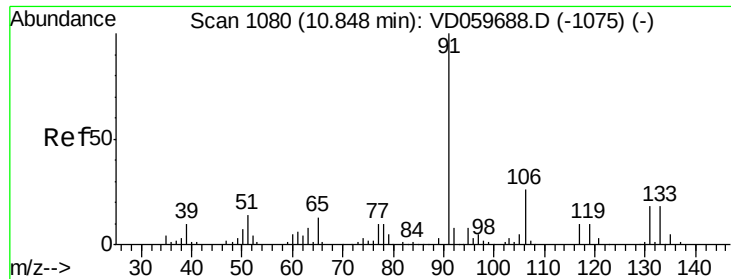
Tot Ion:112 Resp: 80517
Ion Ratio Lower Upper
112 100
114 31.4 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.473 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion:131 Resp: 38277
Ion Ratio Lower Upper
131 100
133 98.3 49.7 149.1
119 57.6 27.0 80.8

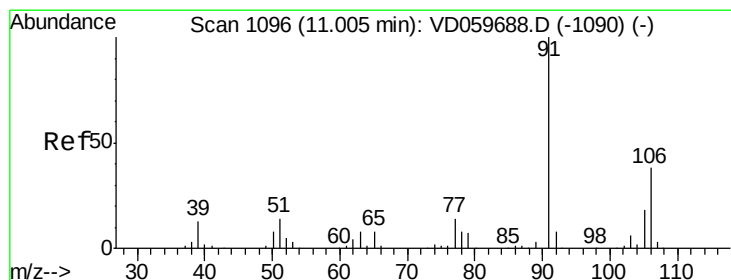
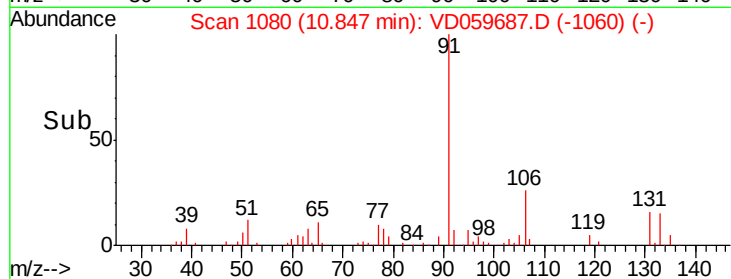
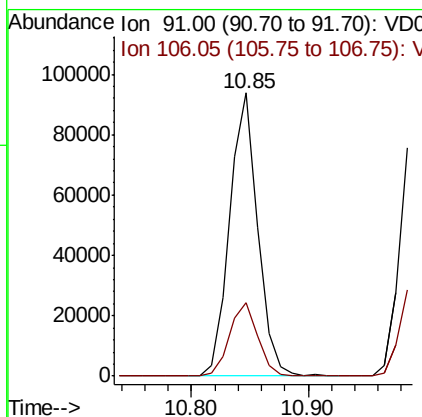
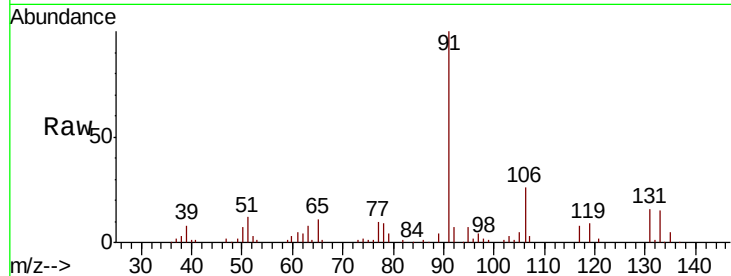




#67
Ethyl Benzene
Concen: 20.293 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

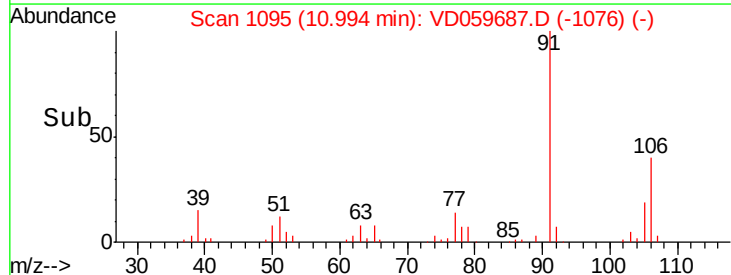
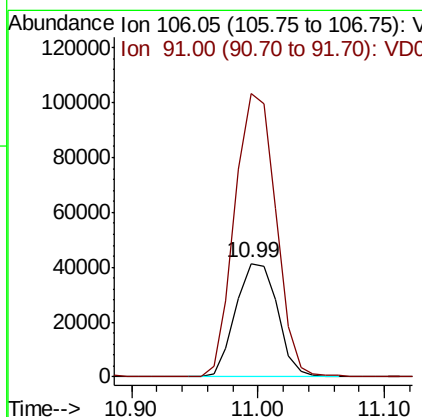
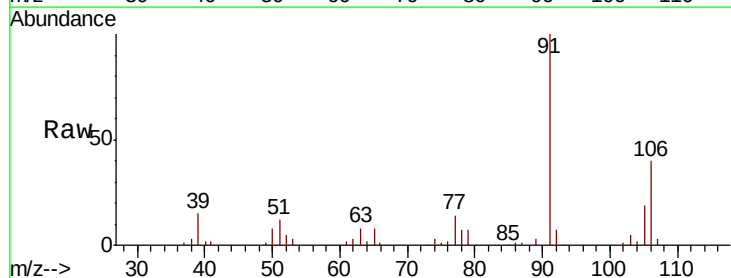
Instrument :
MSVOA_D
ClientSampled :

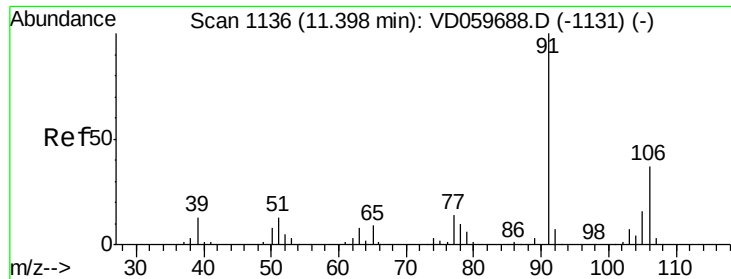
Tot Ion: 91 Resp: 156026
Ion Ratio Lower Upper
91 100
106 26.2 20.9 31.3



#68
m/p-Xylenes
Concen: 38.743 ug/l
RT: 10.99 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion:106 Resp: 94521
Ion Ratio Lower Upper
106 100
91 249.4 209.7 314.5

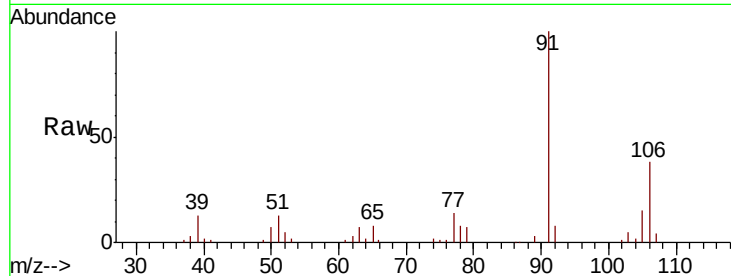




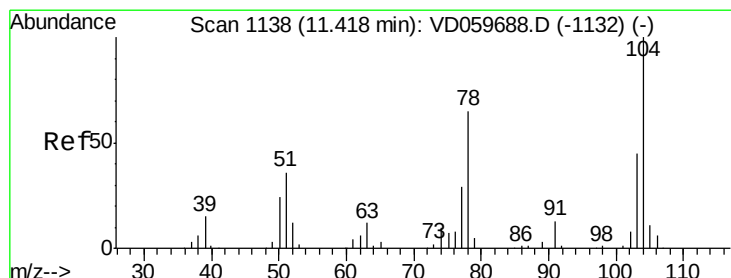
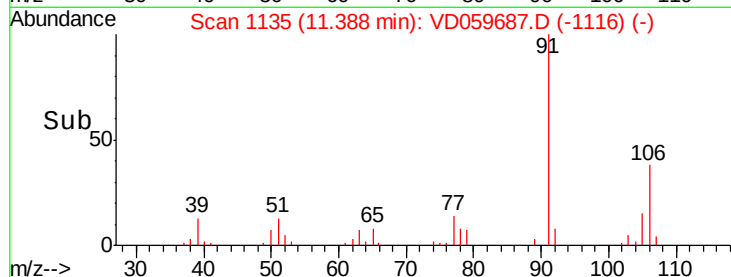
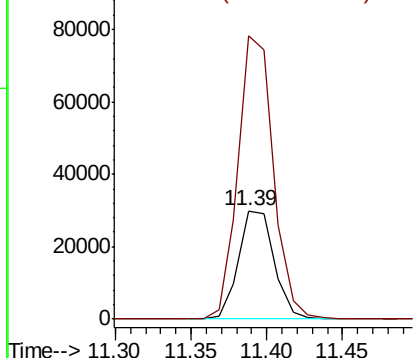
#69
o-Xylene
Concen: 20.454 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 48928
Ion Ratio Lower Upper
106 100
91 261.6 135.2 405.6

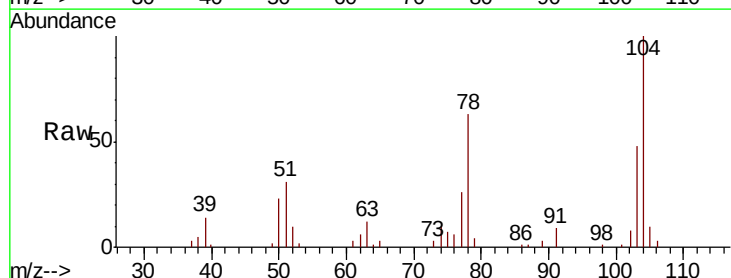


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

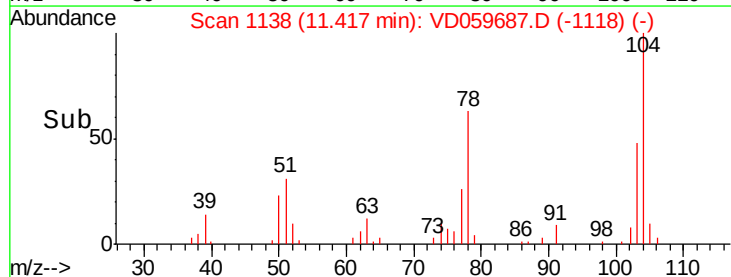
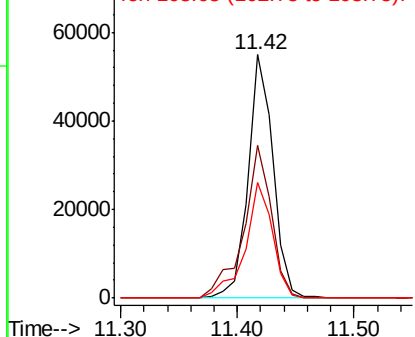


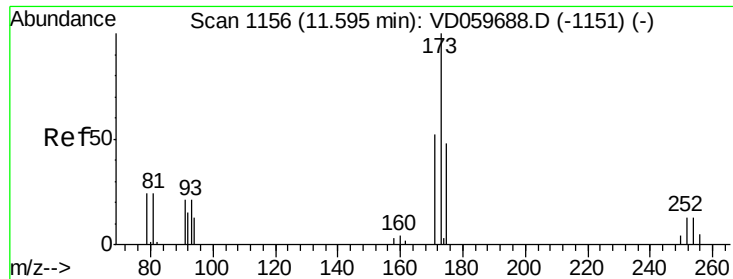
#70
Styrene
Concen: 20.643 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion:104 Resp: 81700
Ion Ratio Lower Upper
104 100
78 62.6 51.9 77.9
103 47.6 36.2 54.4



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

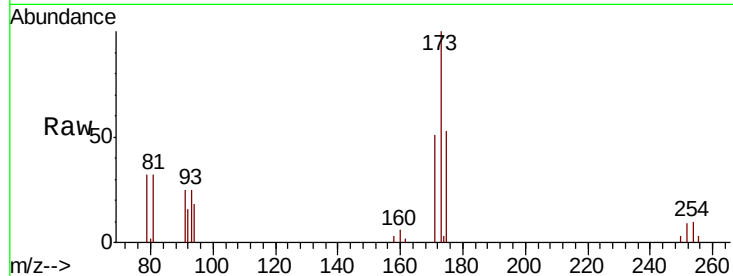




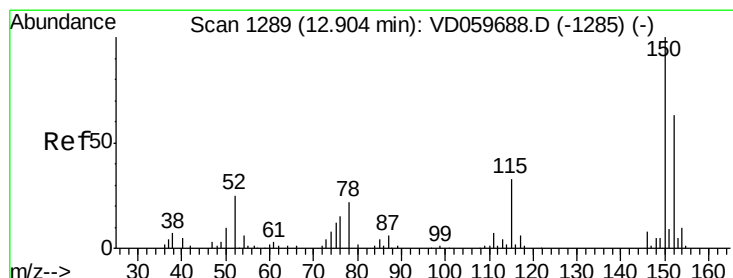
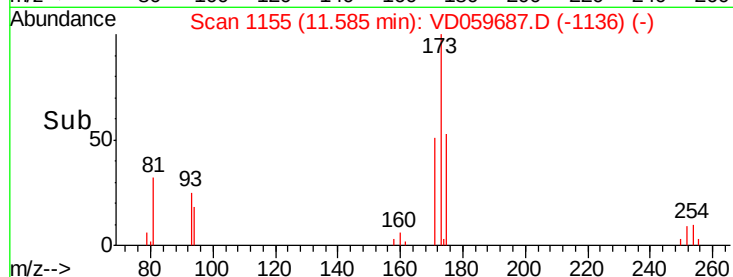
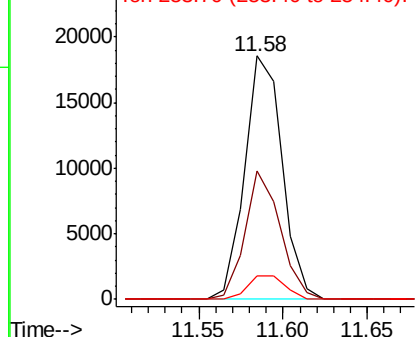
#71
Bromoform
Concen: 20.216 ug/l
RT: 11.58 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 28576
Ion Ratio Lower Upper
173 100
175 52.5 24.1 72.4
254 9.6 10.6 16.0#

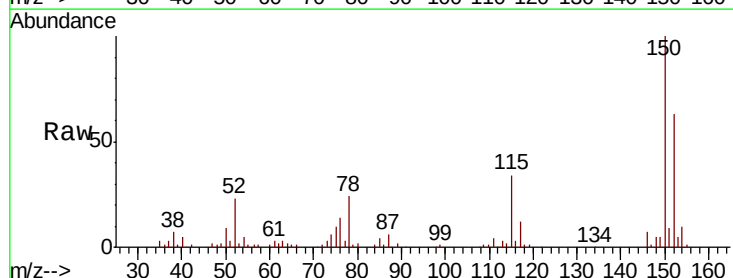


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

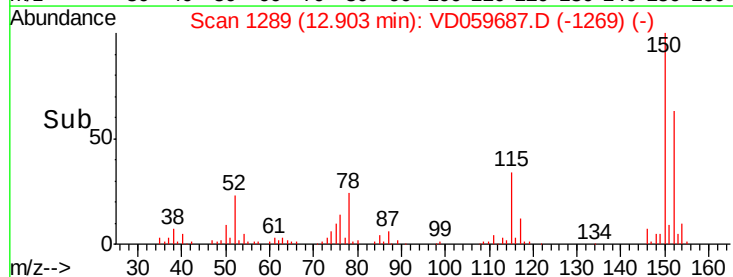
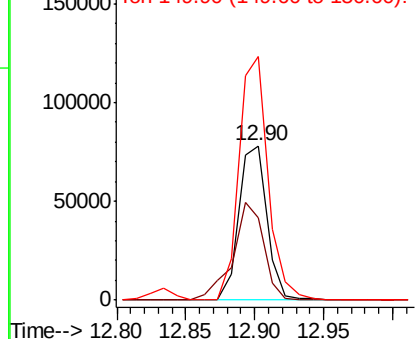


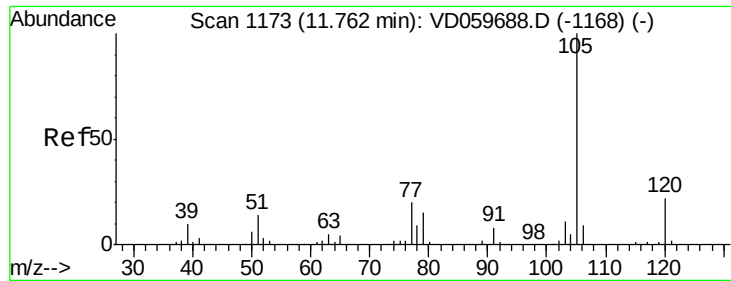
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion:152 Resp: 111423
Ion Ratio Lower Upper
152 100
115 53.8 28.8 86.4
150 158.0 0.0 318.0



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





#73

Isopropylbenzene

Concen: 19.974 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

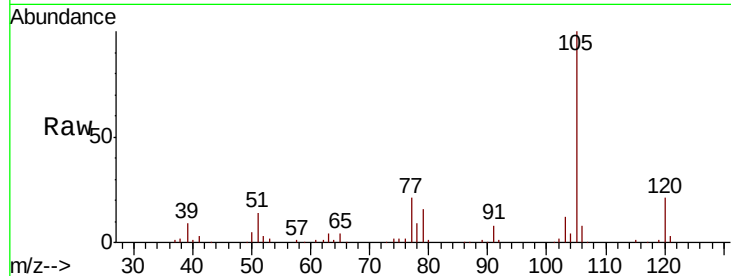
ClientSampled :

Tot Ion:105 Resp: 150770

Ion Ratio Lower Upper

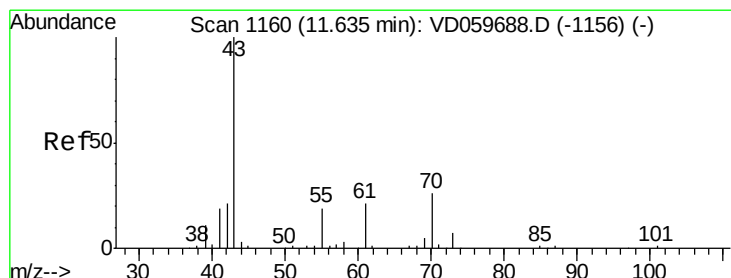
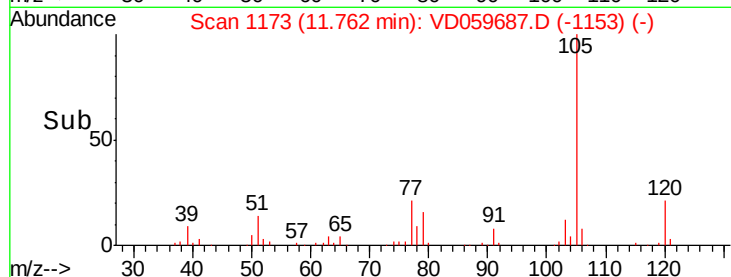
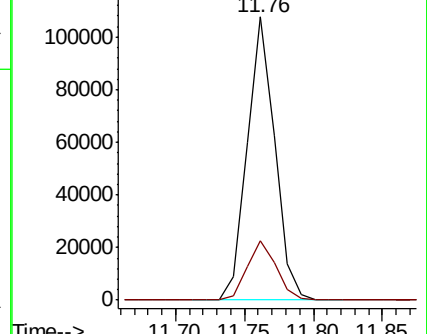
105 100

120 21.2 10.8 32.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.446 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Tgt Ion: 43 Resp: 45901

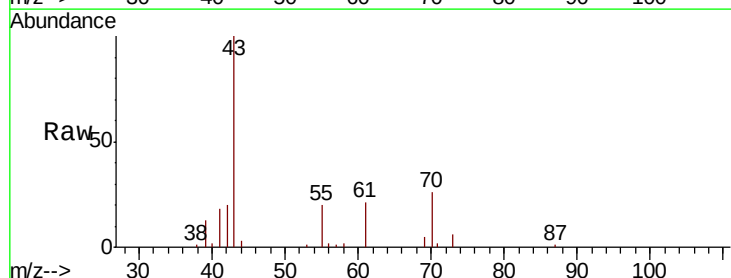
Ion Ratio Lower Upper

43 100

70 25.8 21.0 31.6

55 20.4 15.4 23.2

61 21.2 16.8 25.2

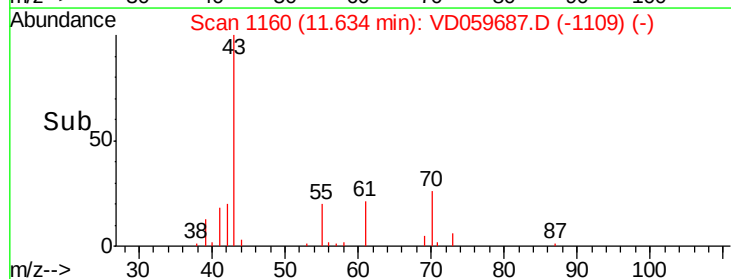
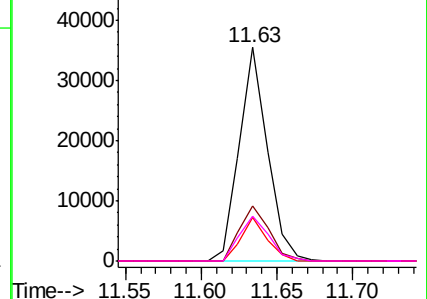


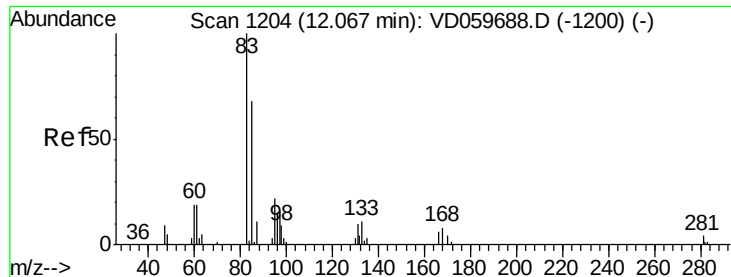
Abundance Ion 42.95 (42.65 to 43.65): V

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: 19.760 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

ClientSampled :

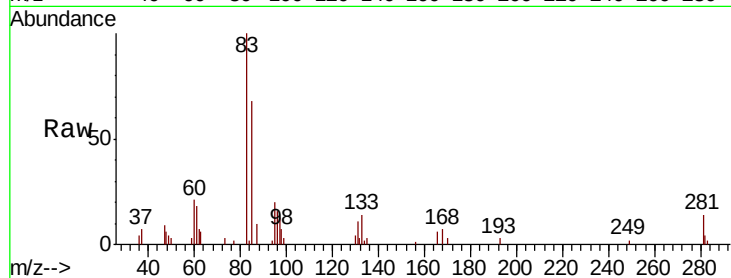
Tot Ion: 83 Resp: 29009

Ion Ratio Lower Upper

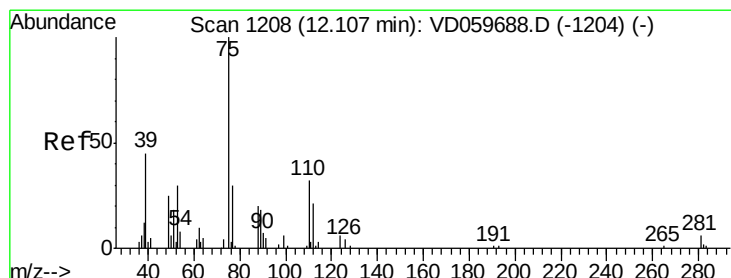
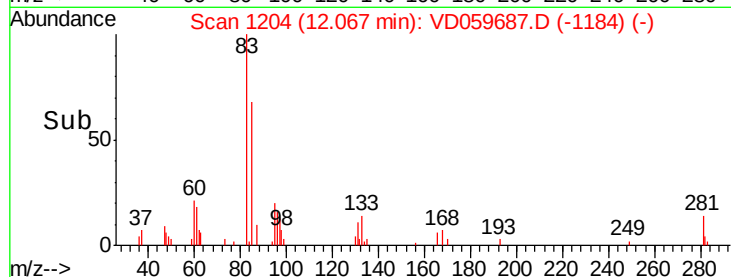
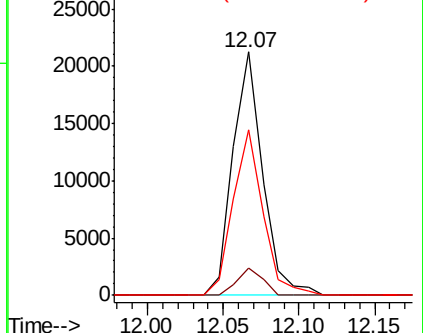
83 100

131 11.1 5.3 15.9

85 67.9 34.1 102.2



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: 19.320 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059687.D

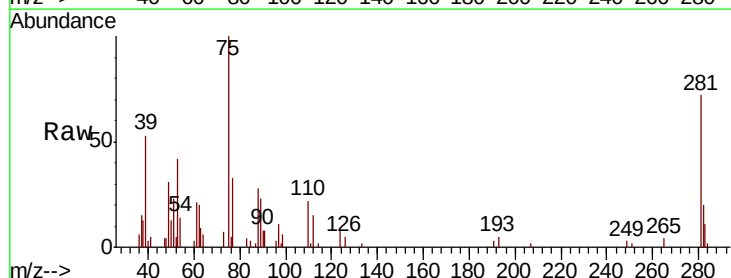
Acq: 6 Aug 2018 11:37

Tgt Ion: 75 Resp: 33422

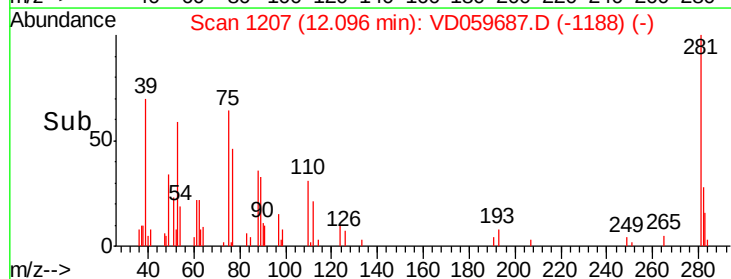
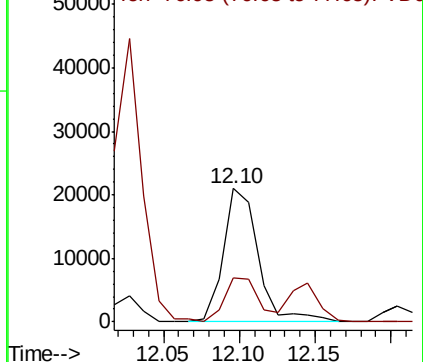
Ion Ratio Lower Upper

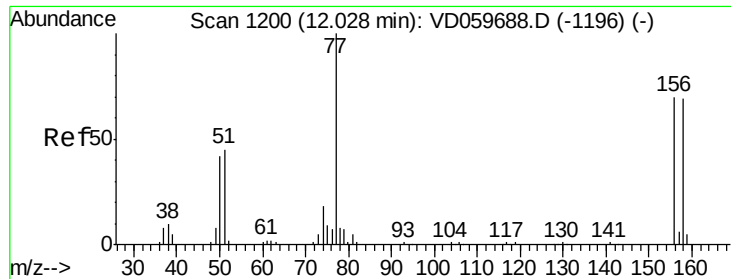
75 100

77 33.0 15.5 46.5



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





#77

Bromobenzene

Concen: 19.792 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

ClientSampled :

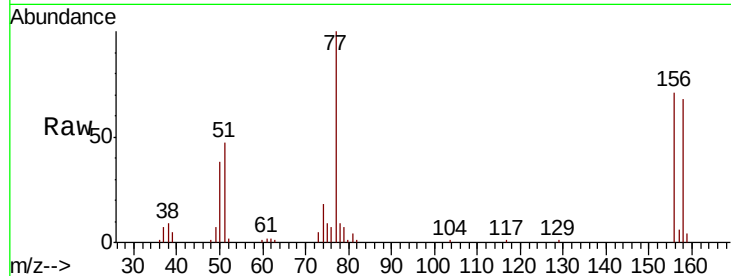
Tot Ion:156 Resp: 42857

Ion Ratio Lower Upper

156 100

77 140.9 71.2 213.6

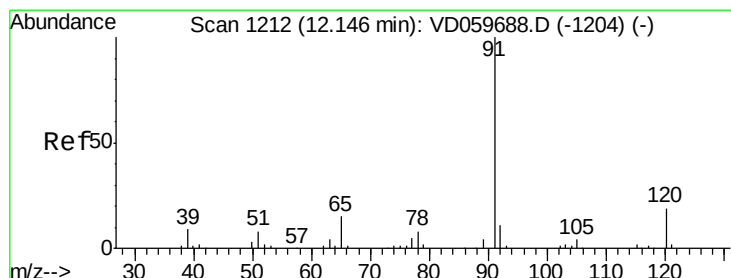
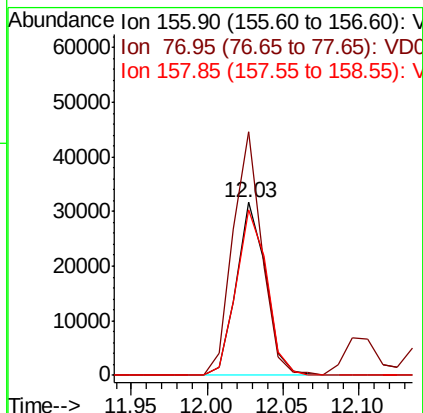
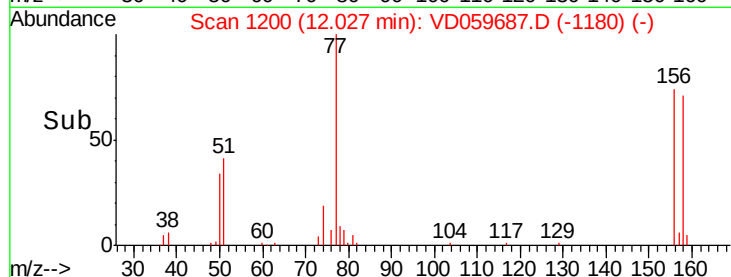
158 96.1 49.1 147.3



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: 19.782 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059687.D

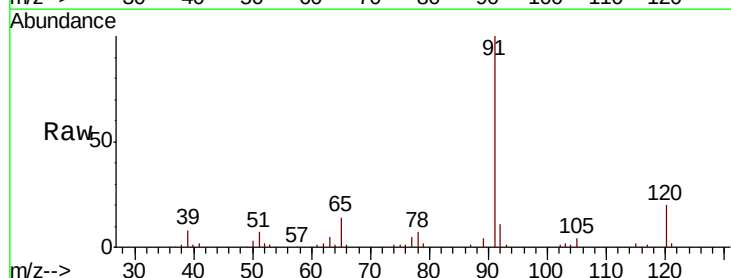
Acq: 6 Aug 2018 11:37

Tgt Ion: 91 Resp: 184685

Ion Ratio Lower Upper

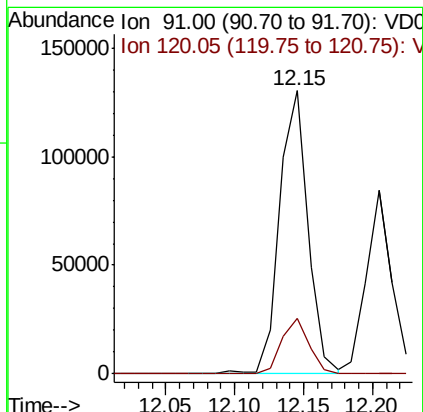
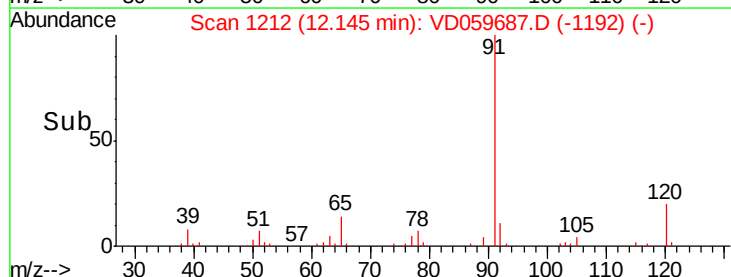
91 100

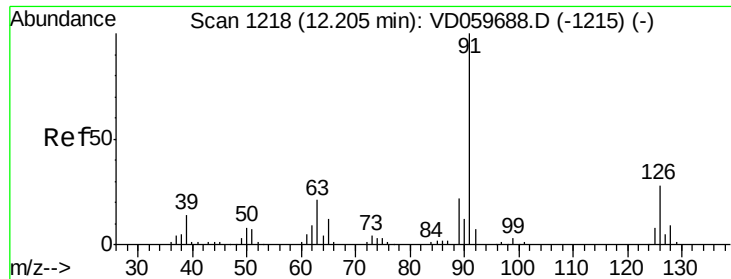
120 19.6 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

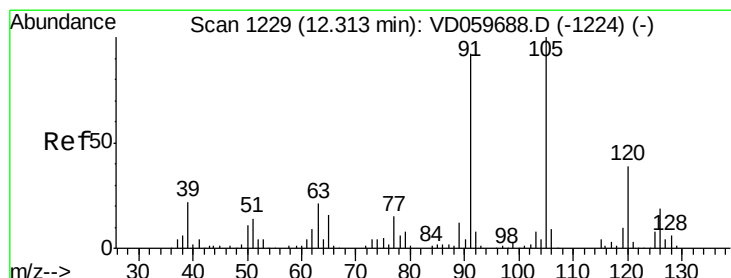
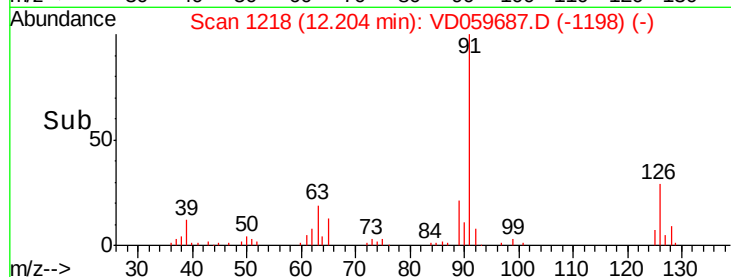
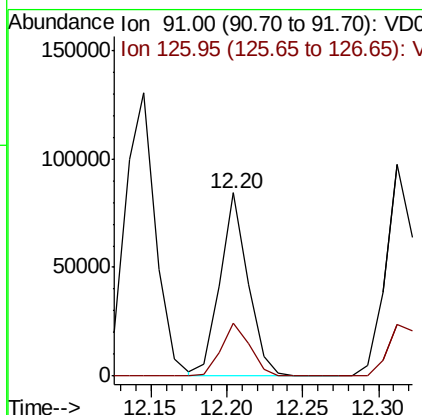
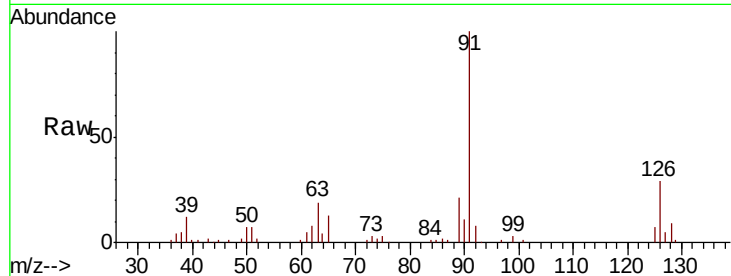




#79
 2-Chlorotoluene
 Concen: 19.373 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

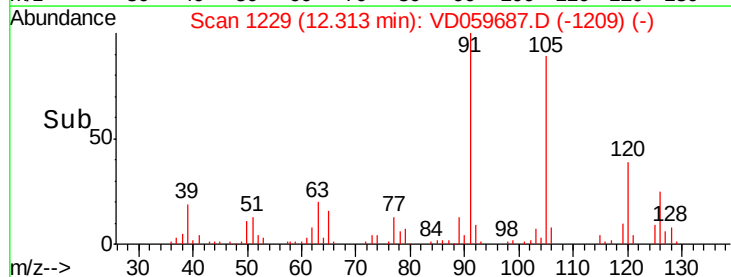
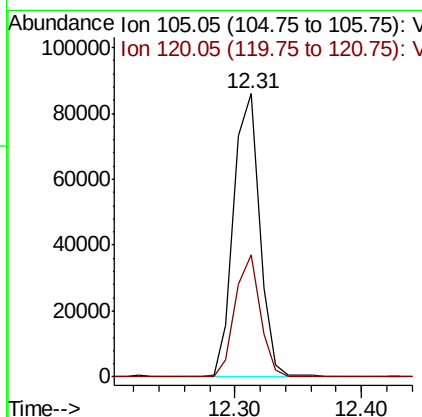
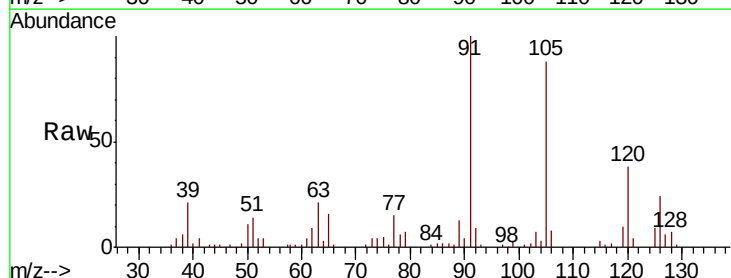
Instrument :
 MSVOA_D
 ClientSampled :

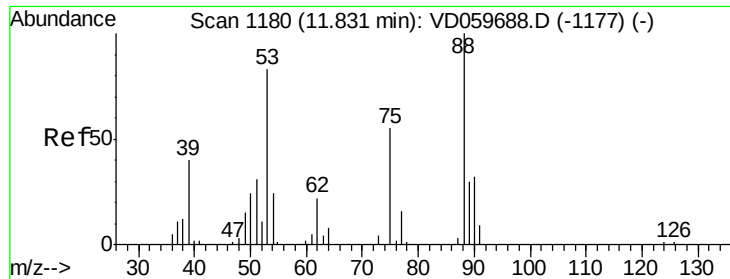
Tot Ion: 91 Resp: 108960
 Ion Ratio Lower Upper
 91 100
 126 28.9 13.7 41.0



#80
 1,3,5-Trimethylbenzene
 Concen: 19.719 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Tgt Ion: 105 Resp: 122345
 Ion Ratio Lower Upper
 105 100
 120 43.3 19.7 59.1





#81

trans-1,4-Dichloro-2-butene

Concen: 18.955 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059687.D

Acq: 6 Aug 2018 11:37

Instrument :

MSVOA_D

ClientSampleId :

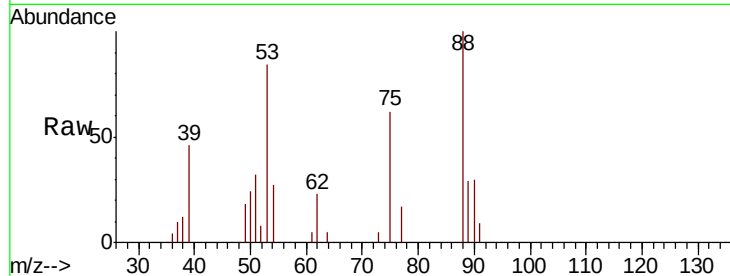
Tot Ion: 75 Resp: 8184

Ion Ratio Lower Upper

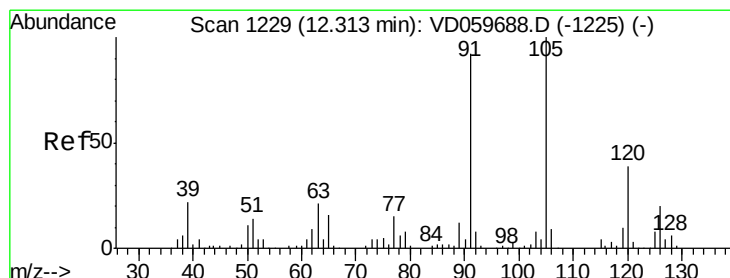
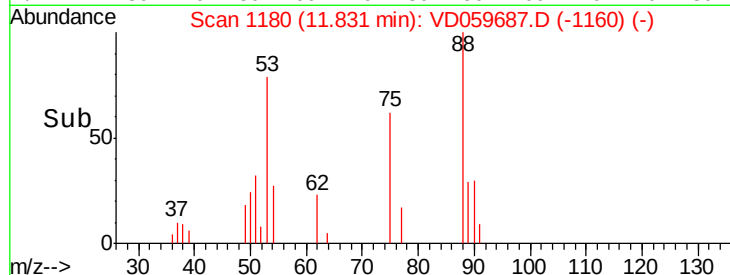
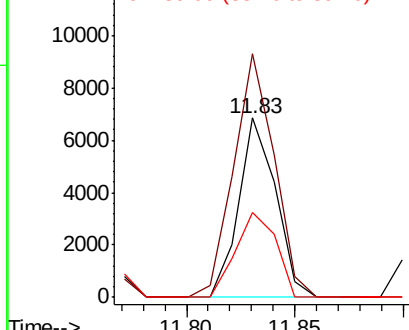
75 100

53 135.6 120.5 180.7

89 47.3 44.4 66.6



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: 19.808 ug/l

RT: 12.31 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD059687.D

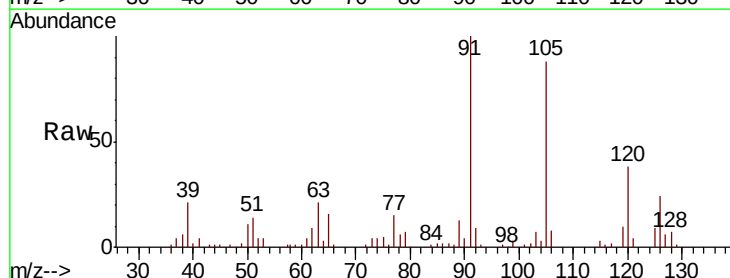
Acq: 6 Aug 2018 11:37

Tgt Ion: 91 Resp: 130231

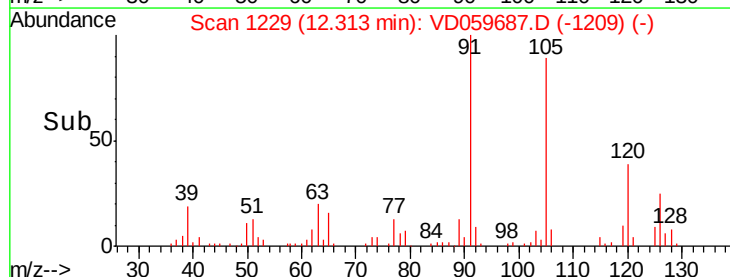
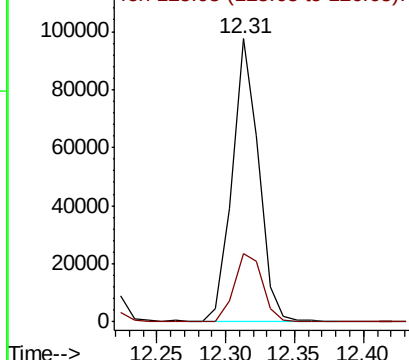
Ion Ratio Lower Upper

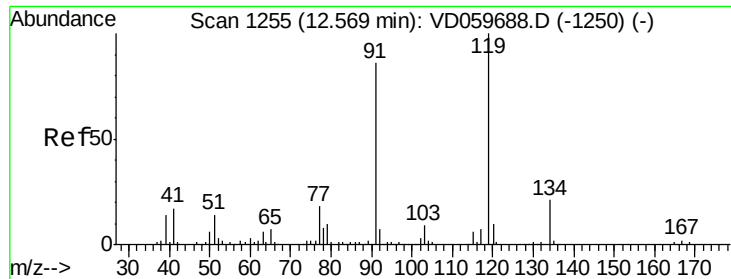
91 100

126 24.3 10.7 31.9



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

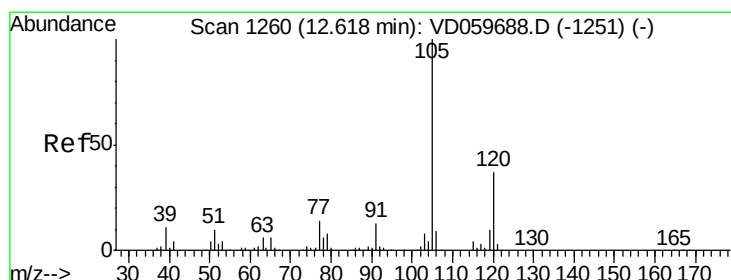
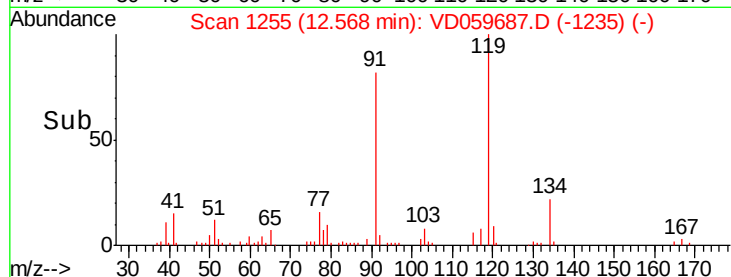
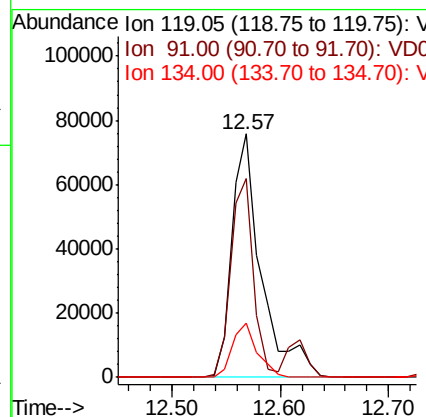
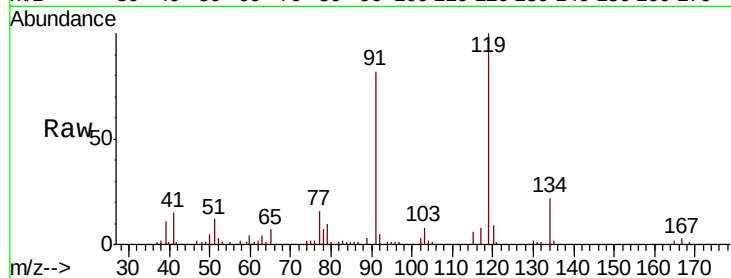




#83
 tert-Butylbenzene
 Concen: 20.258 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

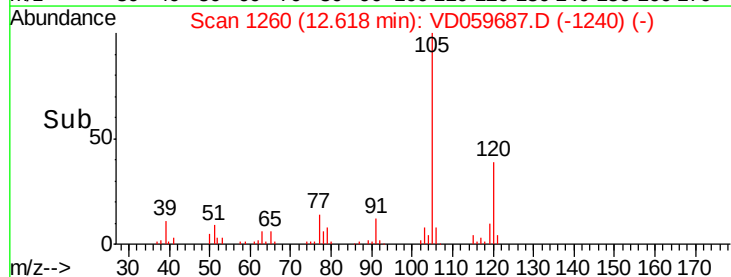
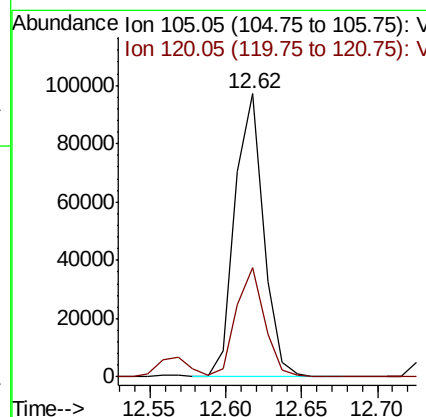
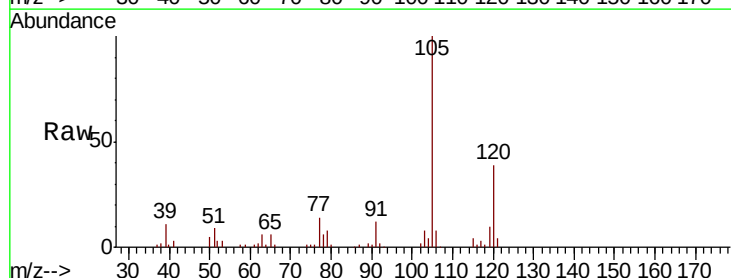
Instrument :
 MSVOA_D
 ClientSampleId :

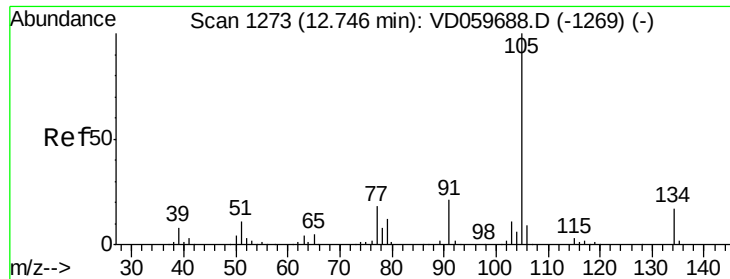
Tot Ion:119 Resp: 142004
 Ion Ratio Lower Upper
 119 100
 91 81.9 43.3 129.9
 134 22.4 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.361 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Tgt Ion:105 Resp: 127317
 Ion Ratio Lower Upper
 105 100
 120 38.8 18.7 56.1

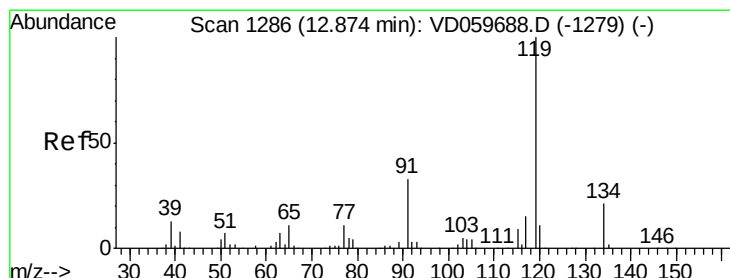
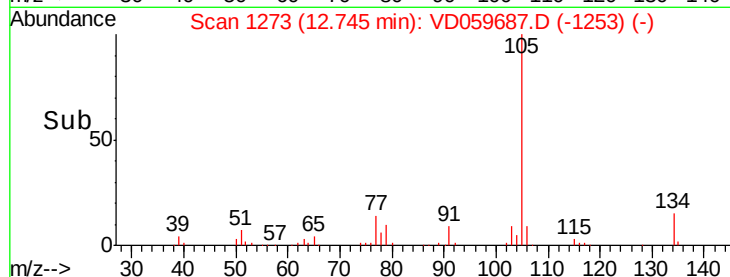
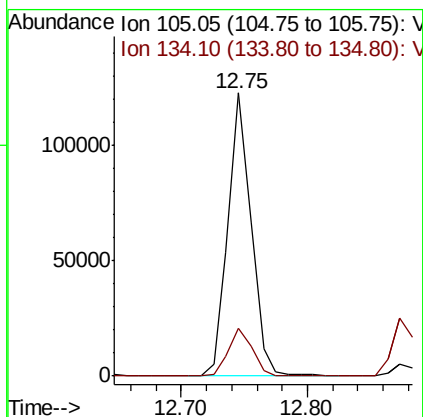
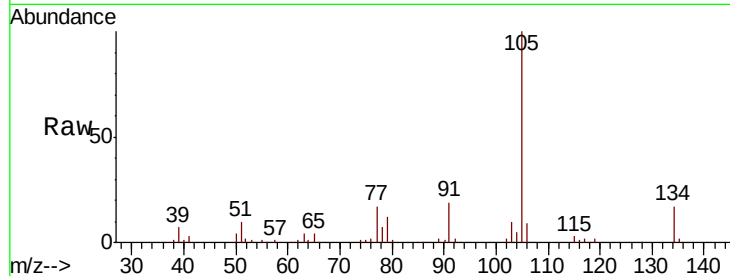




#85
 sec-Butylbenzene
 Concen: 20.127 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

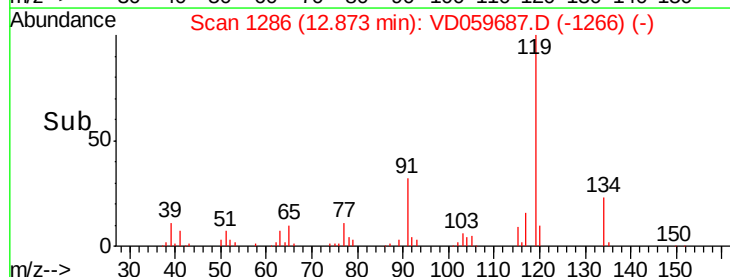
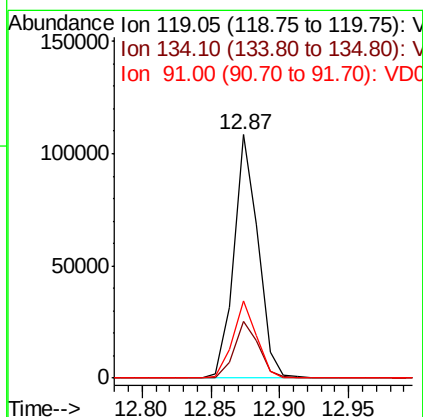
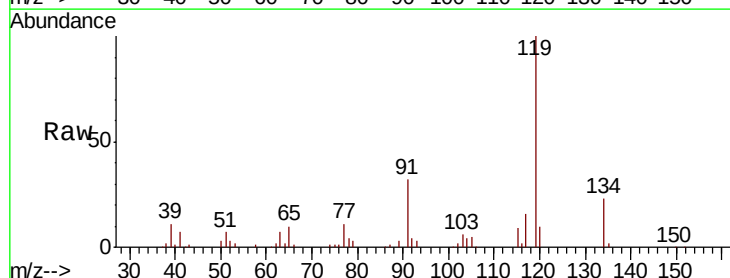
Instrument :
 MSVOA_D
 ClientSampled :

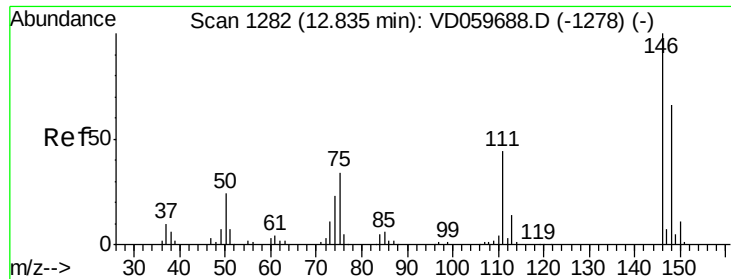
Tot Ion:105 Resp: 155709
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 19.782 ug/l
 RT: 12.87 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Tgt Ion:119 Resp: 132572
 Ion Ratio Lower Upper
 119 100
 134 23.1 10.7 32.1
 91 31.8 16.6 49.7

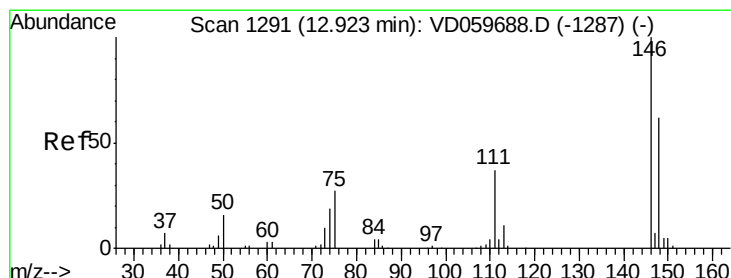
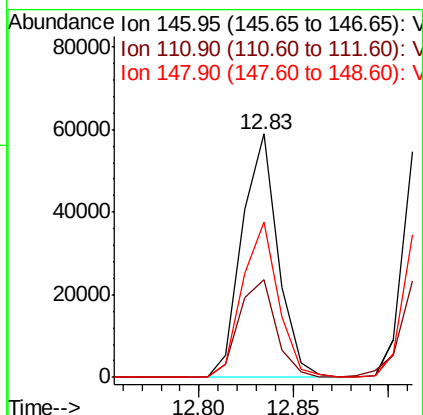
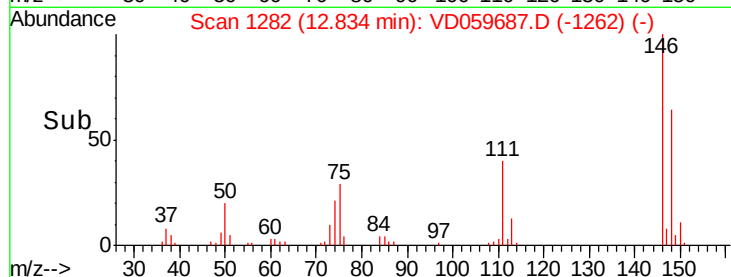
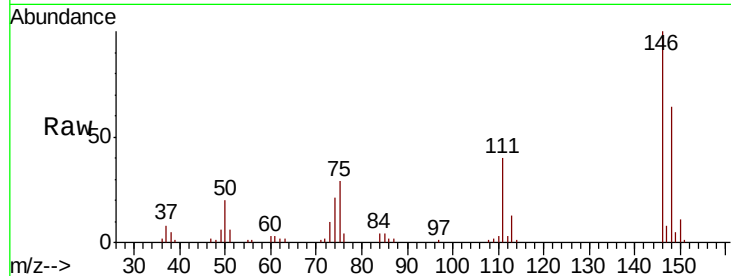




#87
 1,3-Dichlorobenzene
 Concen: 20.371 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

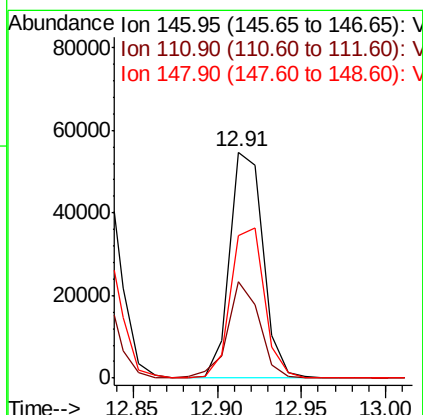
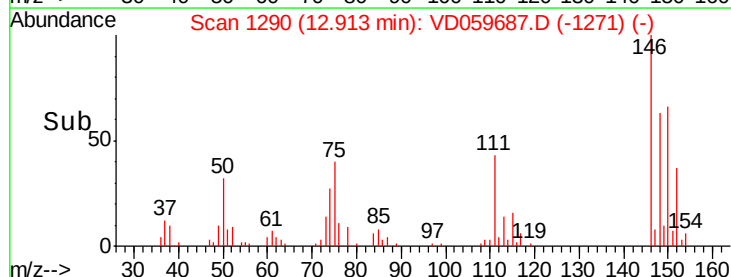
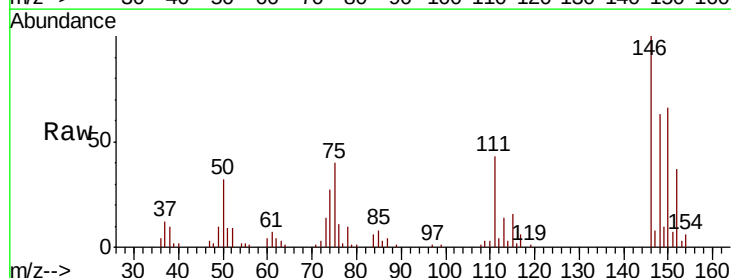
Instrument :
 MSVOA_D
 ClientSampleId :

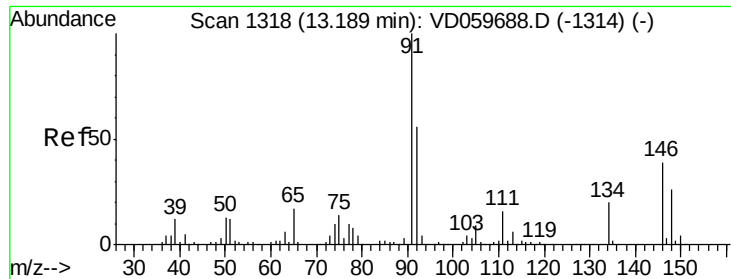
Tot Ion:146 Resp: 77265
 Ion Ratio Lower Upper
 146 100
 111 40.2 21.8 65.4
 148 63.7 33.1 99.2



#88
 1,4-Dichlorobenzene
 Concen: 19.828 ug/l
 RT: 12.91 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Tgt Ion:146 Resp: 75518
 Ion Ratio Lower Upper
 146 100
 111 42.6 18.6 55.8
 148 63.0 31.2 93.6

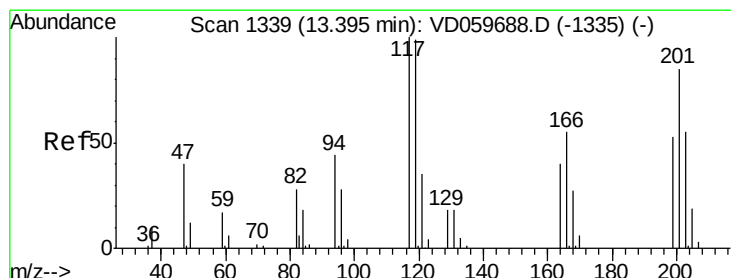
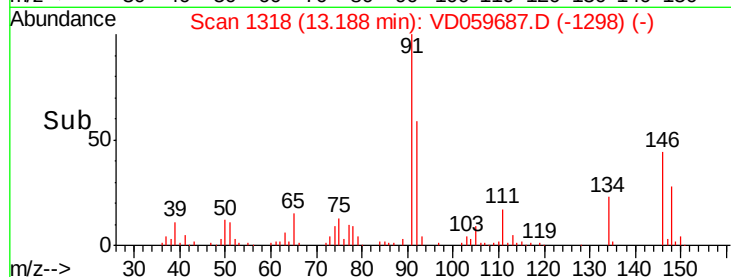
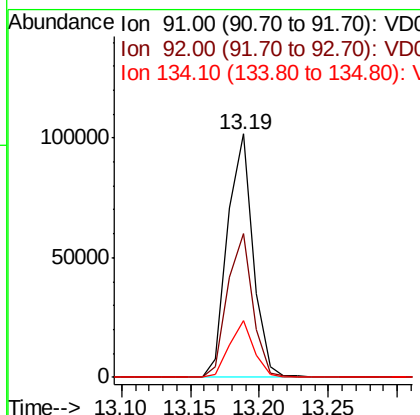
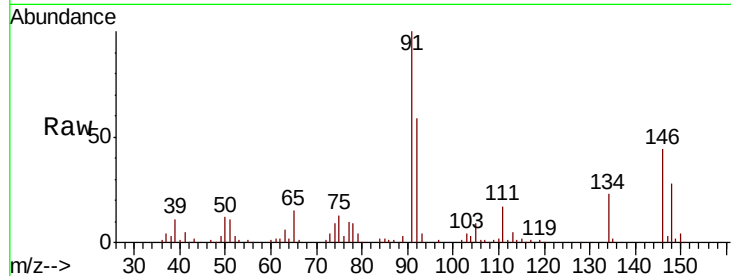




#89
n-Butylbenzene
Concen: 19.803 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

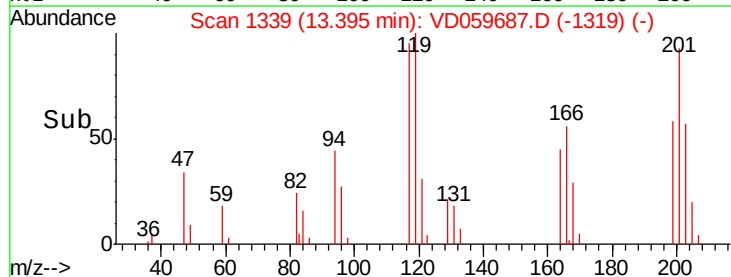
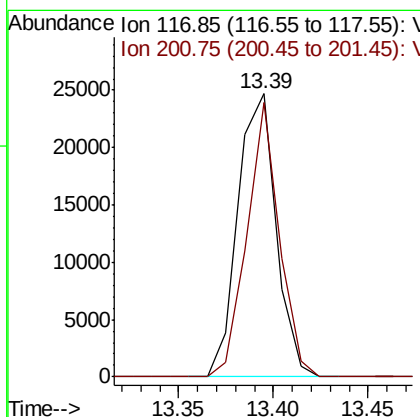
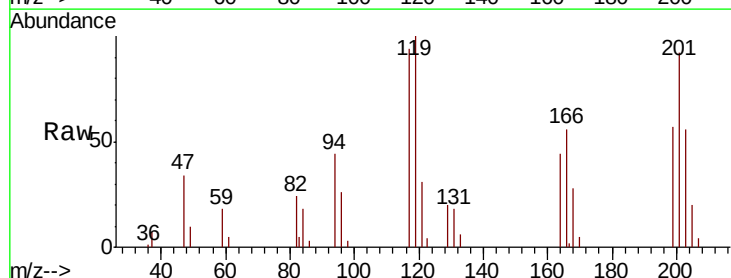
Instrument :
MSVOA_D
ClientSampleId :

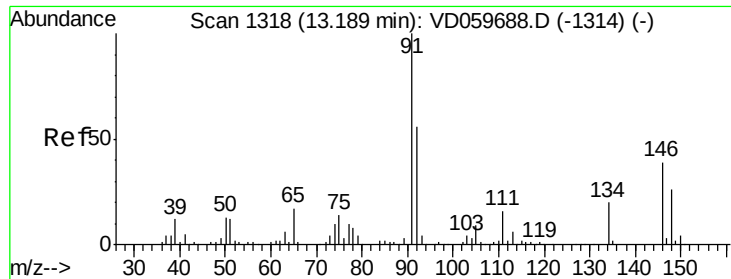
Tot Ion: 91 Resp: 130893
Ion Ratio Lower Upper
91 100
92 59.0 28.2 84.6
134 23.1 9.8 29.5



#90
Hexachloroethane
Concen: 19.642 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion: 117 Resp: 34368
Ion Ratio Lower Upper
117 100
201 97.1 42.4 127.1

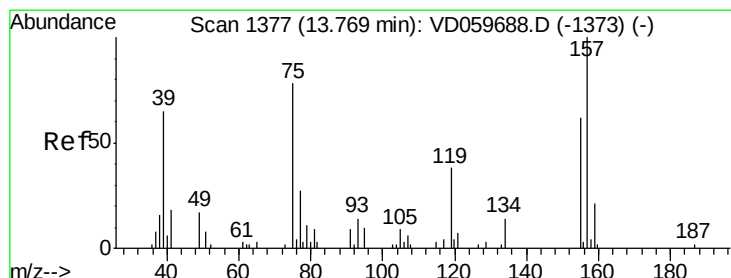
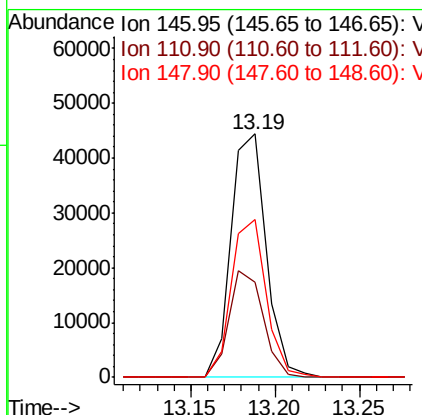
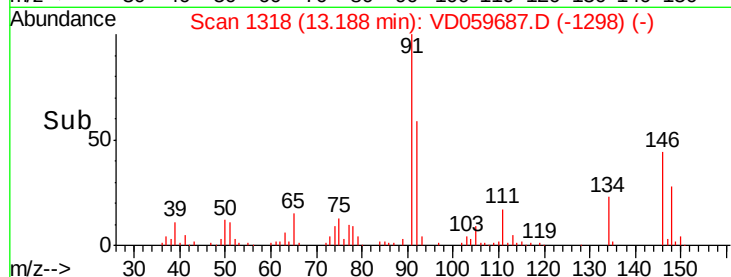
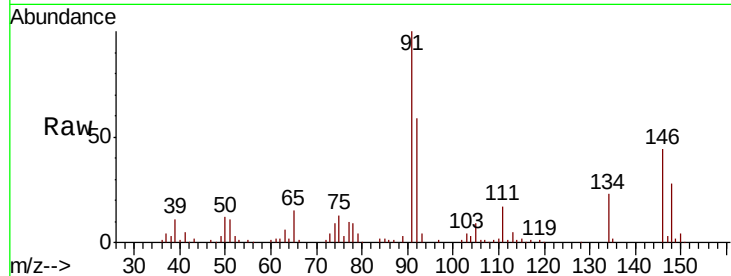




#91
 1,2-Dichlorobenzene
 Concen: 20.531 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

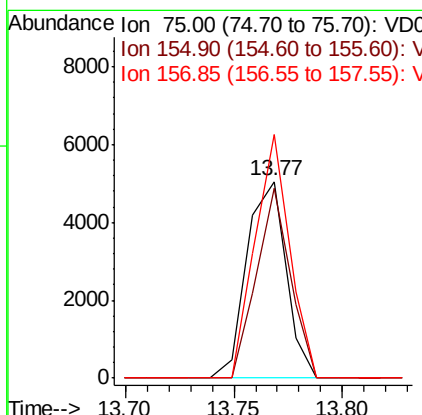
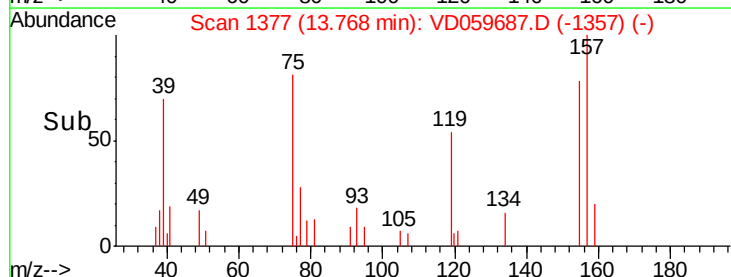
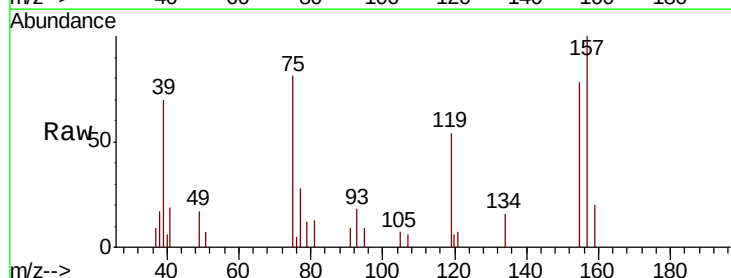
Instrument :
 MSVOA_D
 ClientSampled :

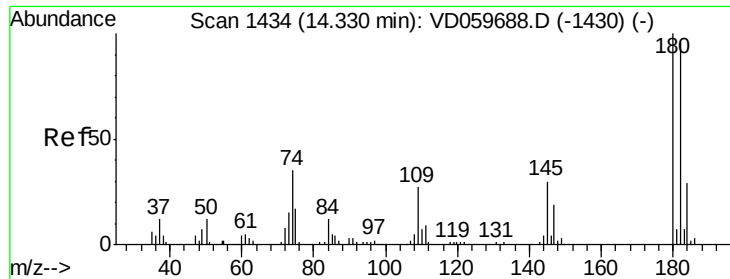
Tot Ion:146 Resp: 64221
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.8 62.2
 148 64.8 33.4 100.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.648 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Tgt Ion: 75 Resp: 6322
 Ion Ratio Lower Upper
 75 100
 155 96.6 40.0 119.9
 157 124.1 64.3 192.7

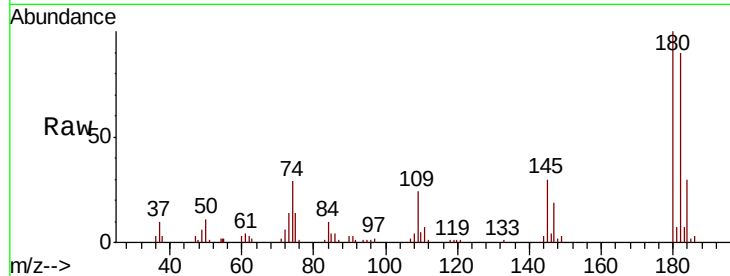




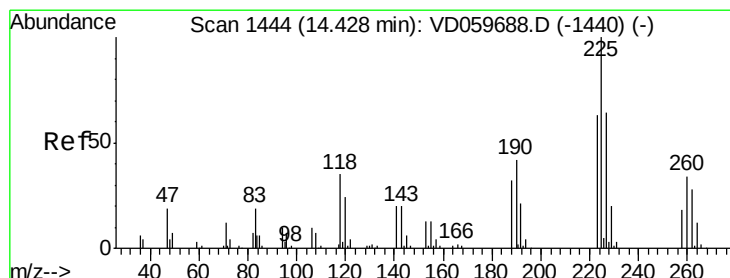
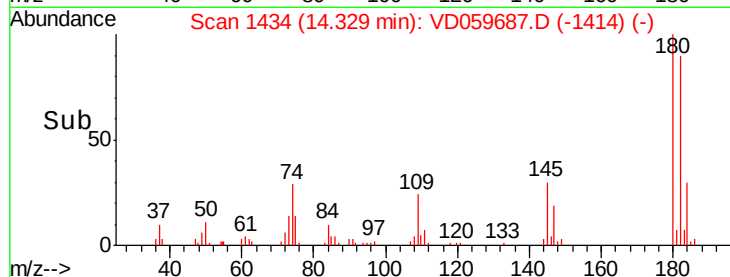
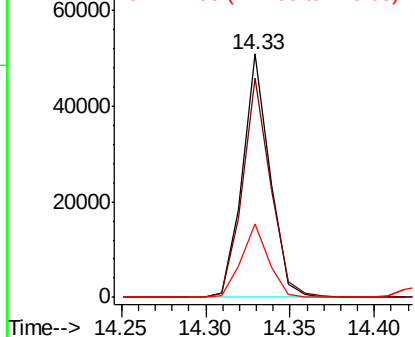
#93
 1,2,4-Trichlorobenzene
 Concen: 20.302 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 57050
 Ion Ratio Lower Upper
 180 100
 182 90.0 48.0 144.0
 145 30.1 14.8 44.4

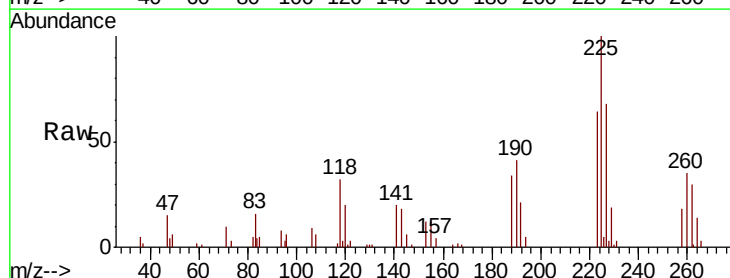


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

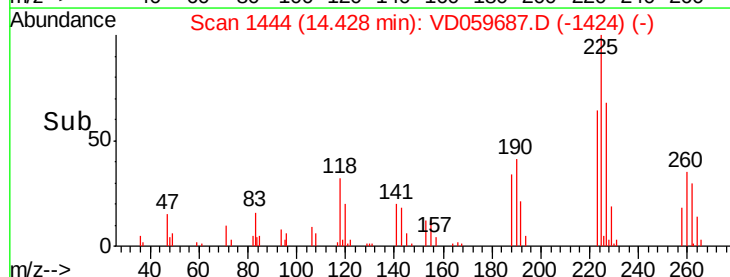
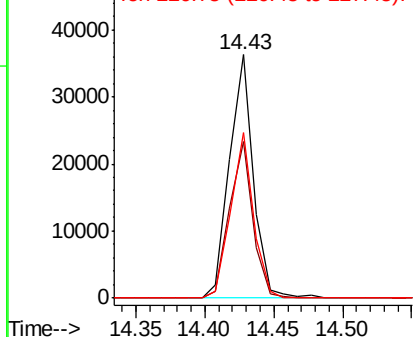


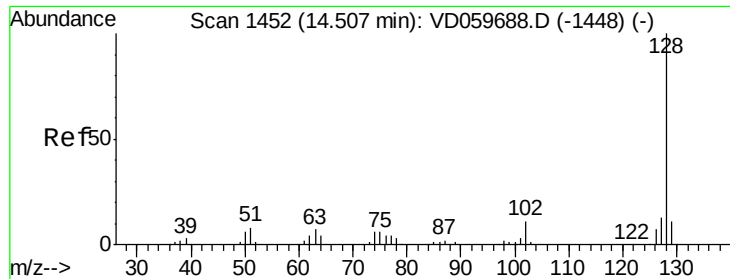
#94
 Hexachlorobutadiene
 Concen: 19.874 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059687.D
 Acq: 6 Aug 2018 11:37

Tgt Ion:225 Resp: 43581
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.4 94.3
 227 67.8 32.1 96.3



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

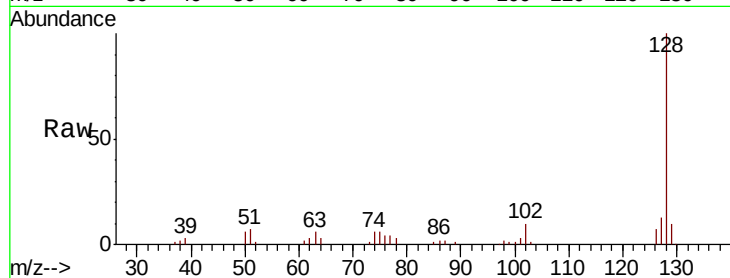




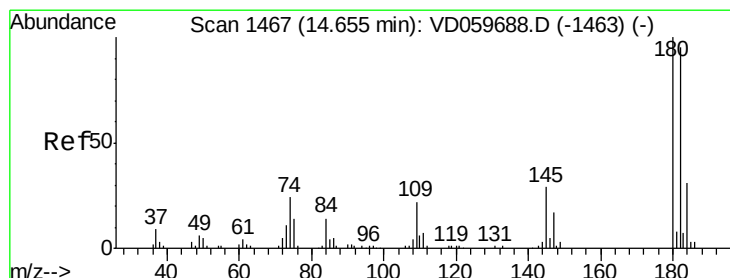
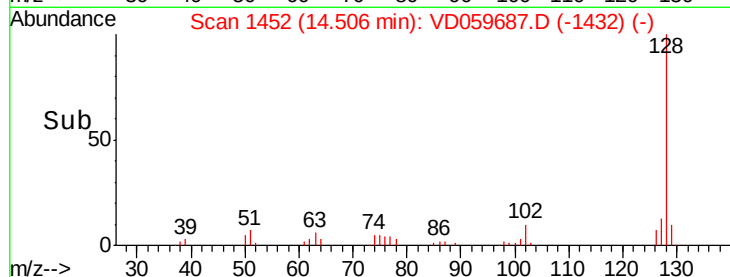
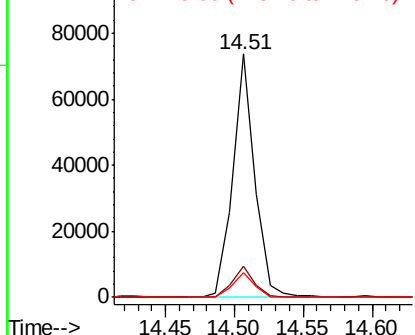
#95
Naphthalene
Concen: 19.381 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 81488
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.1 8.8 13.2

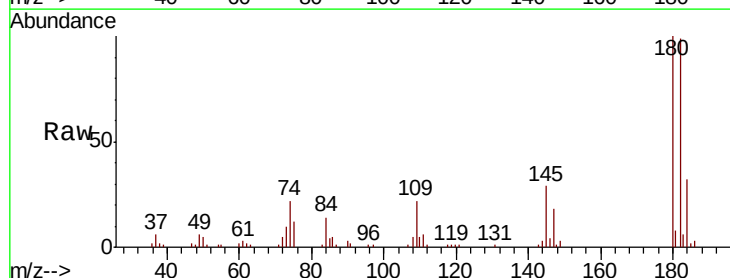


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.315 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD059687.D
Acq: 6 Aug 2018 11:37

Tgt Ion:180 Resp: 48497
Ion Ratio Lower Upper
180 100
182 99.2 47.5 142.5
145 29.2 14.5 43.5



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

