

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058204.D
 Acq On : 20 Jun 2018 11:58
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 21 01:43:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	1051647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1379636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	1039083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	543404	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	581205	54.72	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	109.44%	
35) Dibromofluoromethane	5.56	113	588953	52.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.90%	
50) Toluene-d8	8.72	98	1421855	52.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.94	95	566123	51.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	540359	55.407	ug/l	98
3) Chloromethane	1.49	50	243104	53.256	ug/l	97
4) Vinyl Chloride	1.56	62	291963	52.996	ug/l	92
5) Bromomethane	1.81	94	103977	57.842	ug/l	97
6) Chloroethane	1.89	64	114027	57.606	ug/l	93
7) Trichlorofluoromethane	2.09	101	399091	52.834	ug/l	98
8) Diethyl Ether	2.36	74	85636	53.599	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.57	101	250642	52.195	ug/l	99
10) Methyl Iodide	2.70	142	302782	55.432	ug/l	96
11) Tert butyl alcohol	3.28	59	67391	192.355	ug/l	96
12) 1,1-Dichloroethene	2.56	96	190802	52.809	ug/l	99
13) Acrolein	2.48	56	79991	399.959	ug/l	98
14) Allyl chloride	2.93	41	459906	54.691	ug/l	98
15) Acrylonitrile	3.37	53	256747	276.382	ug/l	98
16) Acetone	2.63	43	422030	290.515	ug/l	94
17) Carbon Disulfide	2.76	76	656804	53.432	ug/l	100
18) Methyl Acetate	2.95	43	146378	47.247	ug/l	94
19) Methyl tert-butyl Ether	3.42	73	741348	77.361	ug/l	97
20) Methylene Chloride	3.08	84	206330	54.870	ug/l	99
21) trans-1,2-Dichloroethene	3.39	96	255824	64.787	ug/l	82
22) Diisopropyl ether	4.08	45	1665853	49.878	ug/l	94
23) Vinyl Acetate	4.03	43	4615253	257.785	ug/l	99
24) 1,1-Dichloroethane	3.98	63	939778	52.230	ug/l	98
25) 2-Butanone	4.85	43	810675	256.041	ug/l	99
26) 2,2-Dichloropropane	4.81	77	848937	56.347	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	516333	52.327	ug/l	97
28) Bromochloromethane	5.16	49	396126	49.111	ug/l	99
29) Tetrahydrofuran	5.19	42	386532	229.356	ug/l	98
30) Chloroform	5.33	83	1002604	52.781	ug/l	98
31) Cyclohexane	5.60	56	699329	53.944	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	856612	54.580	ug/l	98
36) 1,1-Dichloropropene	5.76	75	670101	49.098	ug/l	98
37) Ethyl Acetate	4.94	43	374066	48.104	ug/l	96
38) Carbon Tetrachloride	5.74	117	740112	54.577	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	666759	50.156	ug/l	99
40) Benzene	6.02	78	1554048	47.800	ug/l	99
41) Methacrylonitrile	5.14	41	180854	48.164	ug/l	99
42) 1,2-Dichloroethane	6.14	62	673050	51.342	ug/l	99
43) Isopropyl Acetate	7.63	43	496622	47.903	ug/l #	96
44) Trichloroethene	6.99	130	498613	51.074	ug/l	99
45) 1,2-Dichloropropane	7.36	63	439164	50.157	ug/l	99
46) Dibromomethane	7.47	93	297041	49.696	ug/l	98
47) Bromodichloromethane	7.74	83	718780	52.734	ug/l	100
48) Methyl methacrylate	7.51	41	304959	48.399	ug/l	97
49) 1,4-Dioxane	7.49	88	58379	1026.402	ug/l	97
51) 4-Methyl-2-Pentanone	8.60	43	1574060	232.770	ug/l	100
52) Toluene	8.81	92	893908	48.287	ug/l	96
53) t-1,3-Dichloropropene	9.19	75	620921	52.397	ug/l	97
54) cis-1,3-Dichloropropene	8.36	75	735556	52.945	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	320760	48.973	ug/l	96
56) Ethyl methacrylate	9.32	69	389898	49.776	ug/l	98
57) 1,3-Dichloropropane	9.67	76	525415	47.623	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.20	63	968362	249.721	ug/l	97
59) 2-Hexanone	9.79	43	1249509	255.716	ug/l	100
60) Dibromochloromethane	9.97	129	477636	53.735	ug/l	97
61) 1,2-Dibromoethane	10.10	107	366116	51.072	ug/l	97
64) Tetrachloroethene	9.52	164	465786	53.275	ug/l	95
65) Chlorobenzene	10.73	112	1002309	51.568	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.86	131	385201	51.355	ug/l	95
67) Ethyl Benzene	10.87	91	1650146	48.089	ug/l	99
68) m/p-Xylenes	11.01	106	1146301	100.175	ug/l	98
69) o-Xylene	11.41	106	591791	54.147	ug/l	98
70) Styrene	11.44	104	997222	53.471	ug/l	100
71) Bromoform	11.60	173	349122	58.347	ug/l	95
73) Isopropylbenzene	11.78	105	1681741	51.740	ug/l	99
74) N-amyl acetate	11.65	43	631405	50.240	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	368201	48.678	ug/l	97
76) 1,2,3-Trichloropropane	12.12	75	386304	48.691	ug/l	100
77) Bromobenzene	12.05	156	499089	51.277	ug/l	95
78) n-propylbenzene	12.15	91	2084730	49.666	ug/l	99
79) 2-Chlorotoluene	12.22	91	1187612	49.443	ug/l	93
80) 1,3,5-Trimethylbenzene	12.32	105	1290864	50.918	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	109089	56.376	ug/l	87
82) 4-Chlorotoluene	12.33	91	1333707	57.826	ug/l	98
83) tert-Butylbenzene	12.58	119	1547746	53.102	ug/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	1456713	52.861	ug/l	100
85) sec-Butylbenzene	12.76	105	1842372	53.927	ug/l	100
86) p-Isopropyltoluene	12.89	119	1477132	53.354	ug/l	94
87) 1,3-Dichlorobenzene	12.84	146	905388	53.519	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	841808	50.957	ug/l	98
89) n-Butylbenzene	13.20	91	1483752	50.993	ug/l	99
90) Hexachloroethane	13.40	117	405402	56.416	ug/l	89
91) 1,2-Dichlorobenzene	13.20	146	704281	48.921	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.78	75	63322	52.602	ug/l	90

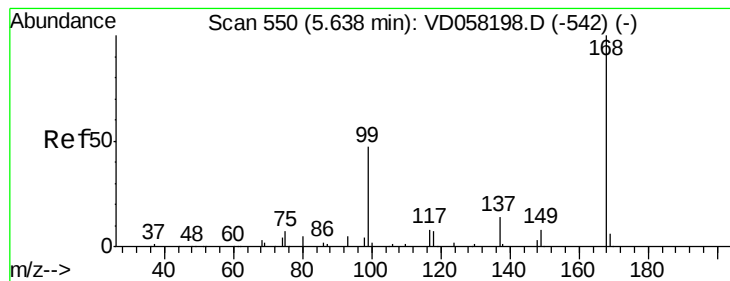
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	705044	51.205	ug/l	99
94) Hexachlorobutadiene	14.44	225	556759	51.698	ug/l	98
95) Naphthalene	14.52	128	922943	50.887	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	608633	50.493	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

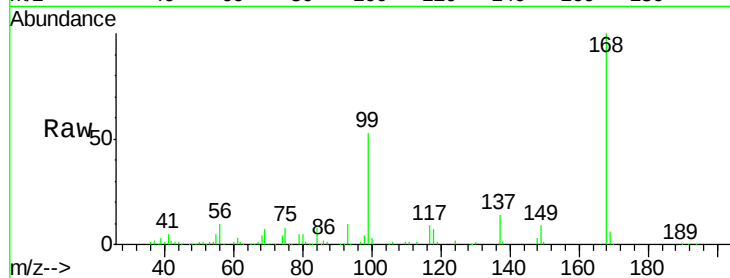
VSTDCCC050

Tot Ion:168 Resp: 1051647

Ion Ratio Lower Upper

168 100

99 52.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

400000

300000

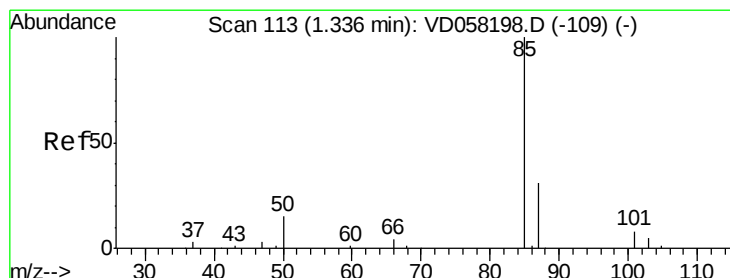
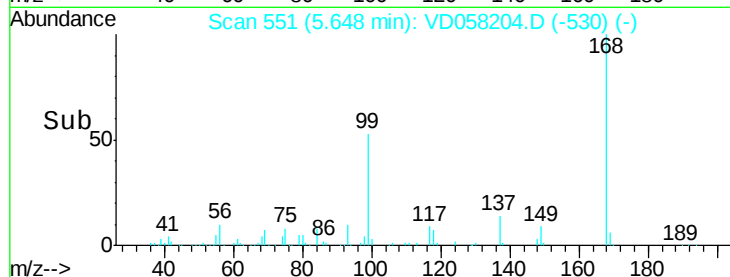
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 55.407 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058204.D

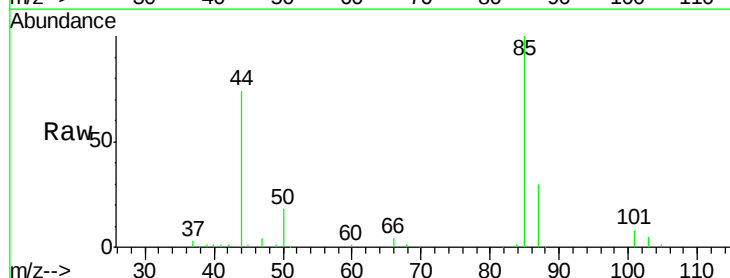
Acq: 20 Jun 2018 11:58

Tgt Ion: 85 Resp: 540359

Ion Ratio Lower Upper

85 100

87 30.2 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.36

200000

150000

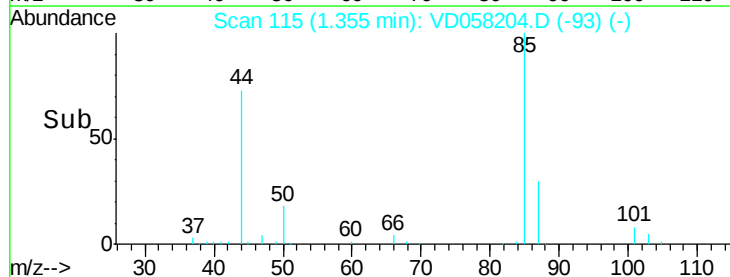
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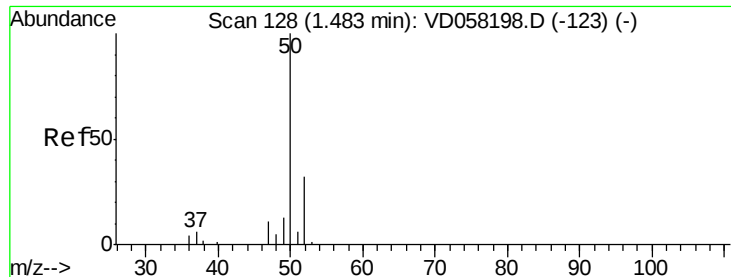
50000

0

1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 53.256 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

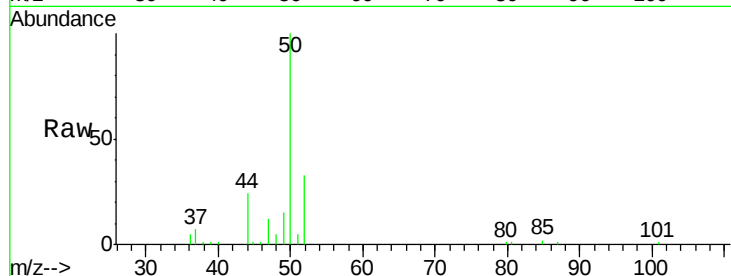
VSTDCCC050

Tot Ion: 50 Resp: 243104

Ion Ratio Lower Upper

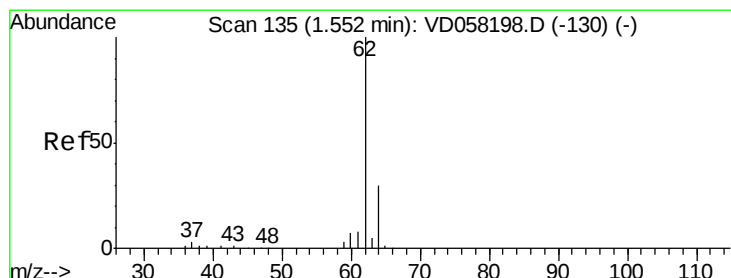
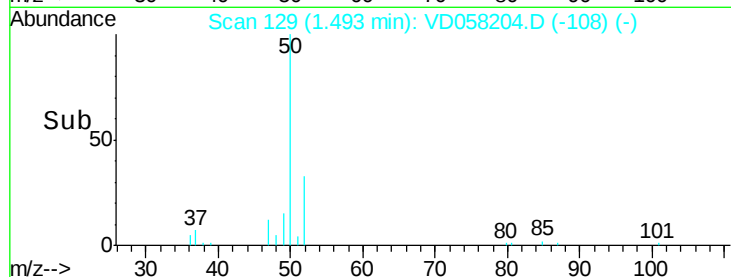
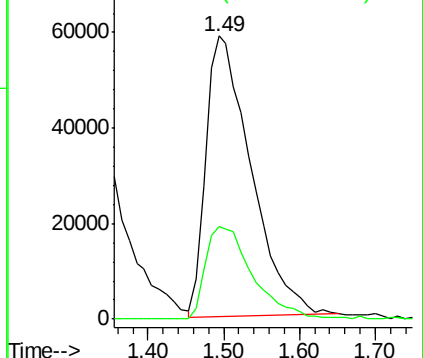
50 100

52 32.7 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.996 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD058204.D

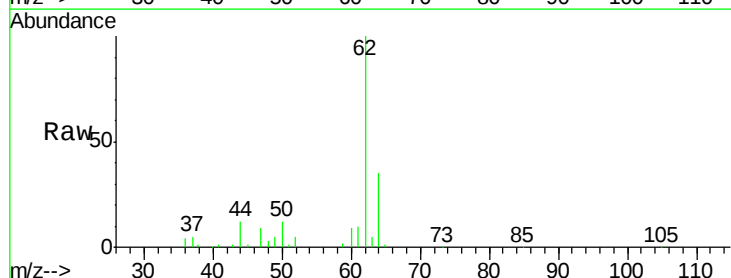
Acq: 20 Jun 2018 11:58

Tgt Ion: 62 Resp: 291963

Ion Ratio Lower Upper

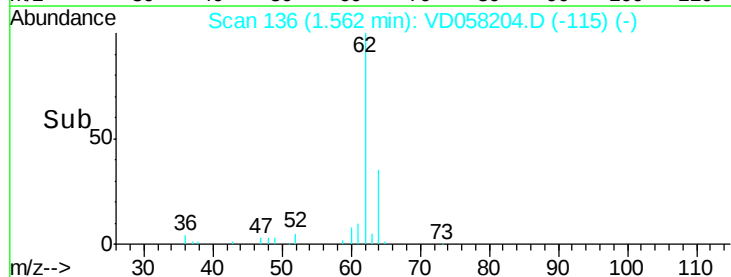
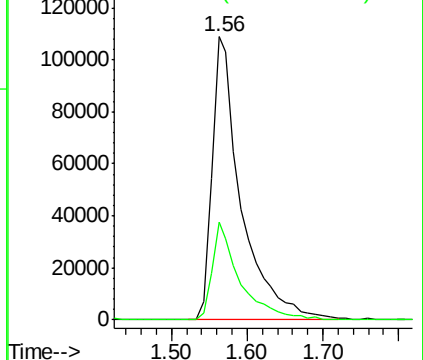
62 100

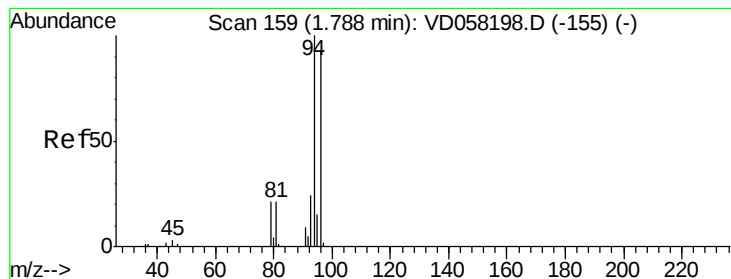
64 34.8 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 57.842 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.02 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

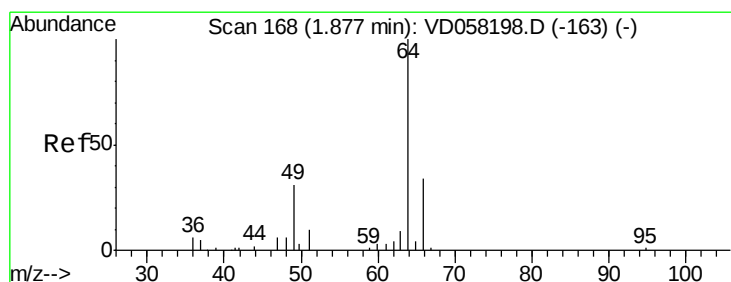
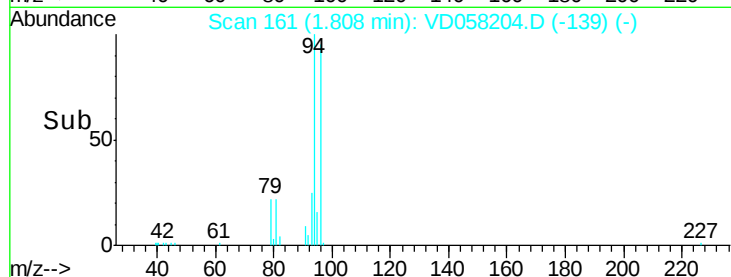
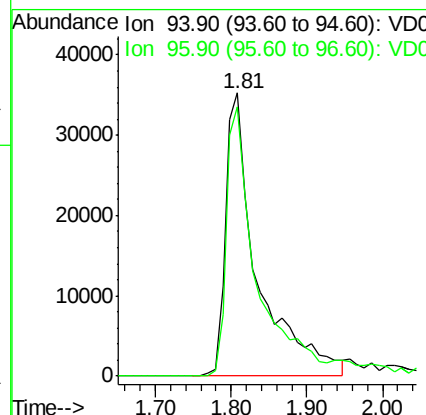
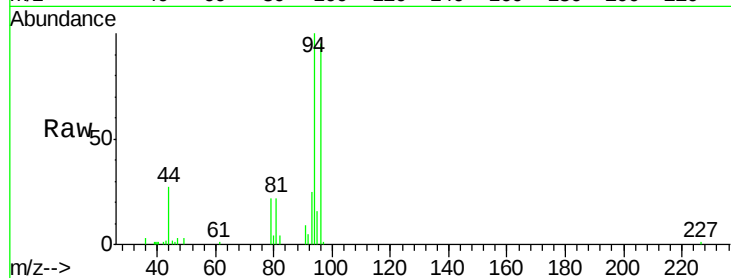
VSTDCCC050

Tot Ion: 94 Resp: 103977

Ion Ratio Lower Upper

94 100

96 95.3 74.2 111.2



#6

Chloroethane

Concen: 57.606 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD058204.D

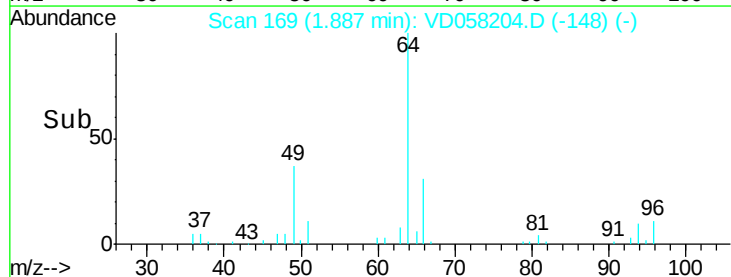
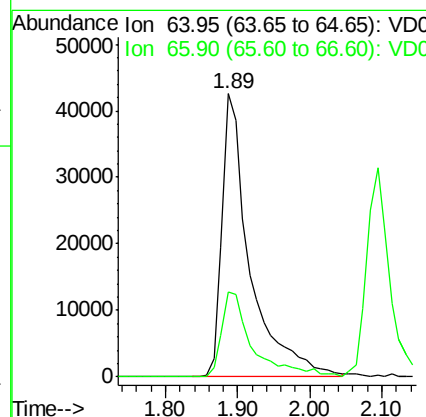
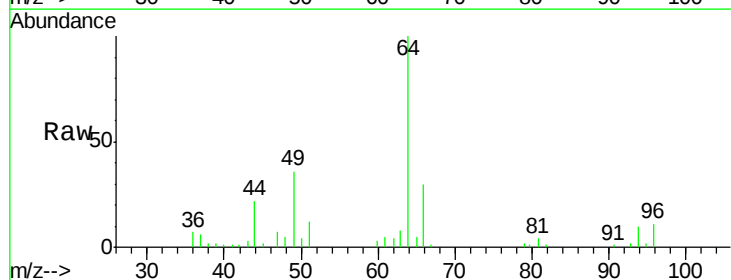
Acq: 20 Jun 2018 11:58

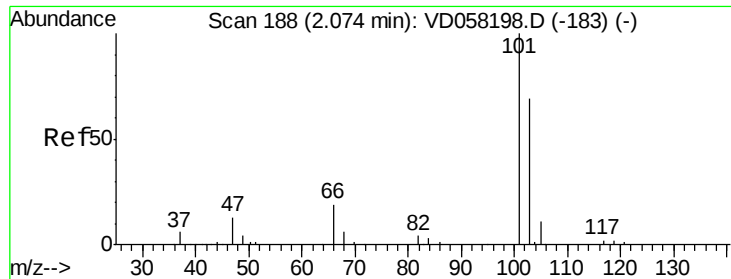
Tgt Ion: 64 Resp: 114027

Ion Ratio Lower Upper

64 100

66 30.1 27.3 40.9



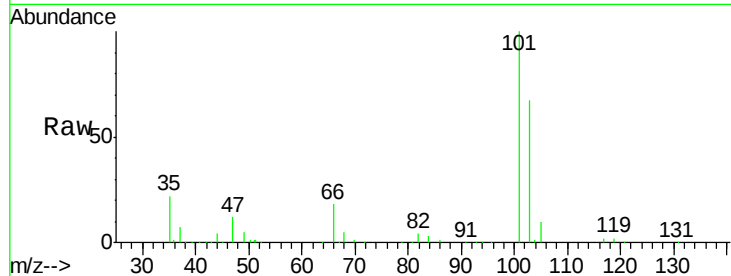


#7

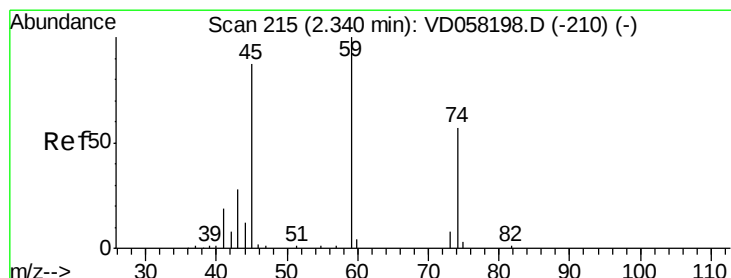
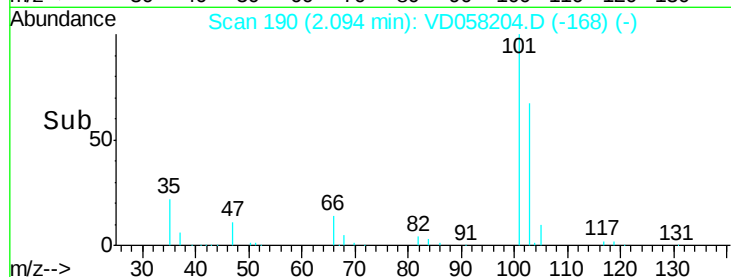
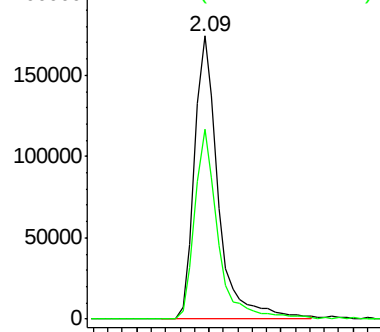
Trichlorofluoromethane
Concen: 52.834 ug/l
RT: 2.09 min Scan# 190
Delta R.T. 0.02 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 399091
Ion Ratio Lower Upper
101 100
103 67.0 55.1 82.7



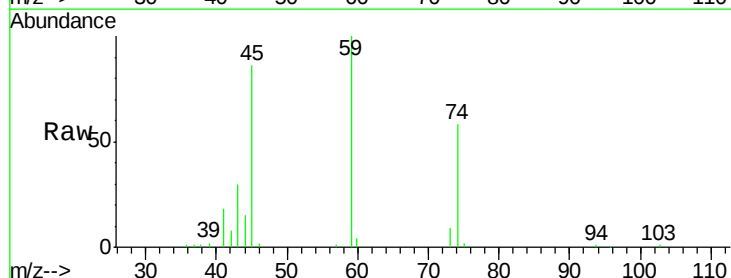
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



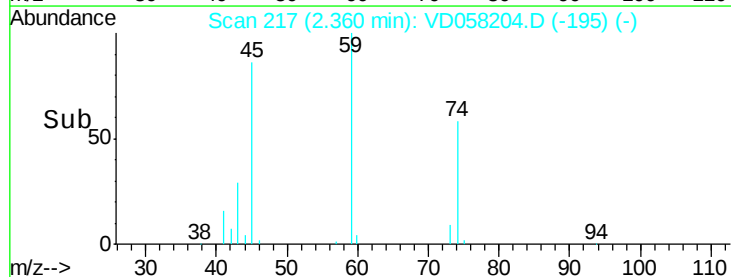
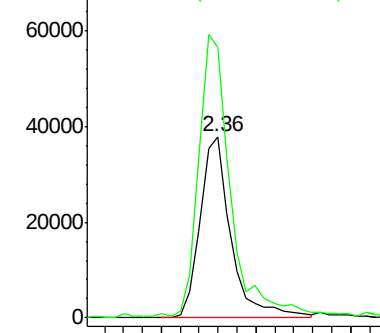
#8

Diethyl Ether
Concen: 53.599 ug/l
RT: 2.36 min Scan# 217
Delta R.T. 0.02 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion: 74 Resp: 85636
Ion Ratio Lower Upper
74 100
45 149.0 77.5 232.6



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: 52.195 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.02 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

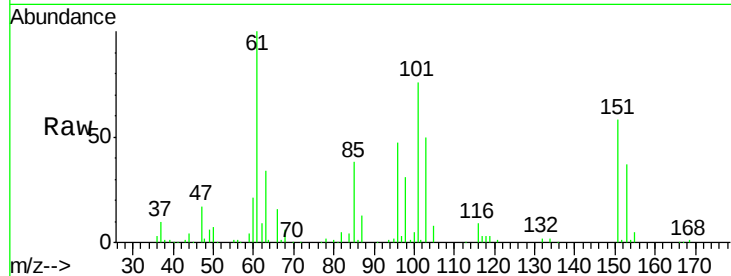
Tot Ion:101 Resp: 250642

Ion Ratio Lower Upper

101 100

85 49.9 39.0 58.4

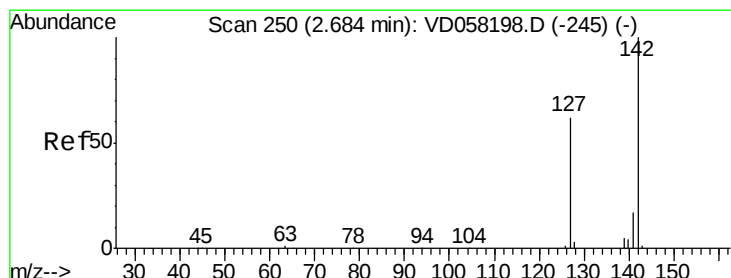
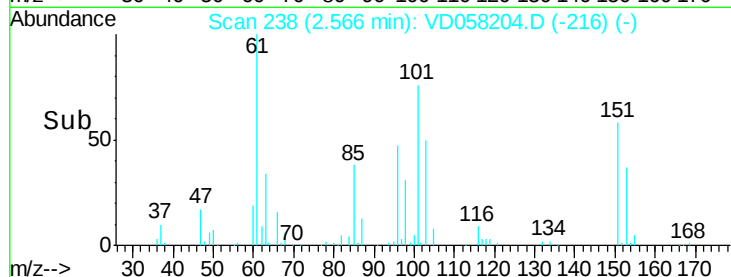
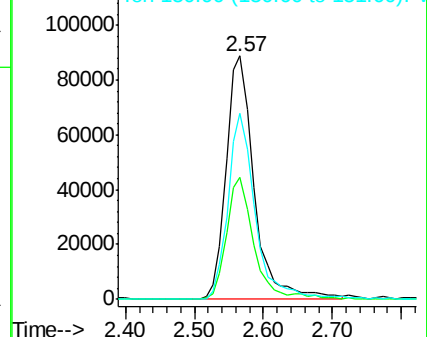
151 76.3 61.8 92.8



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: 55.432 ug/l

RT: 2.70 min Scan# 252

Delta R.T. 0.02 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

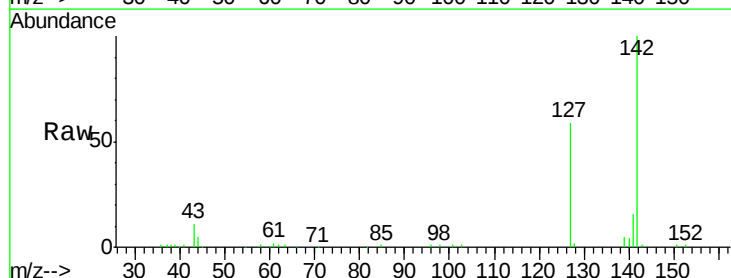
Tgt Ion:142 Resp: 302782

Ion Ratio Lower Upper

142 100

127 58.5 49.4 74.0

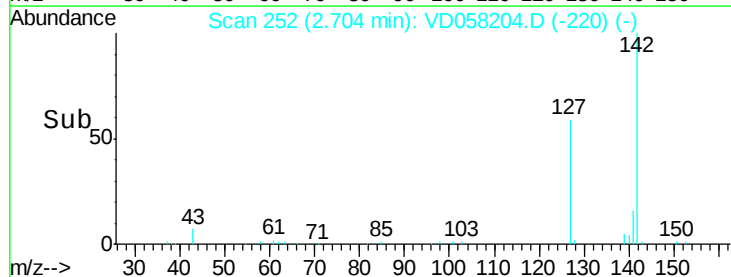
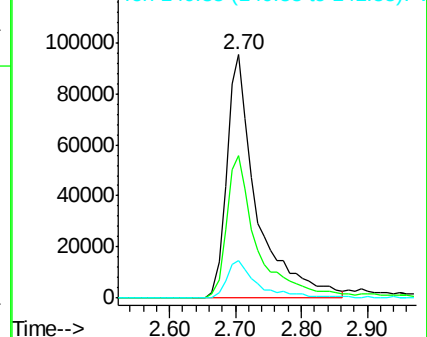
141 15.6 13.5 20.3

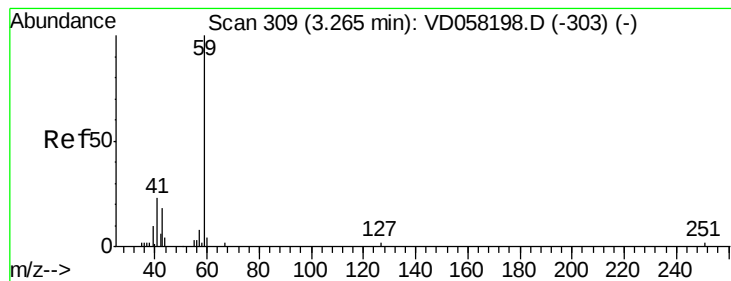


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



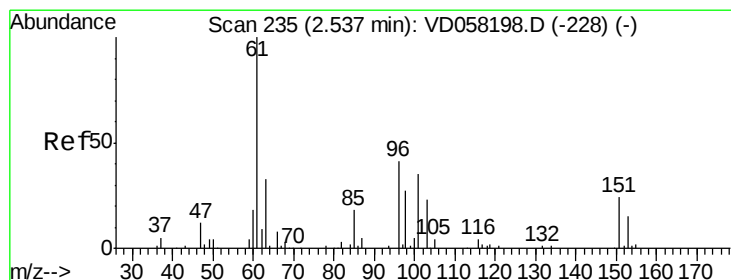
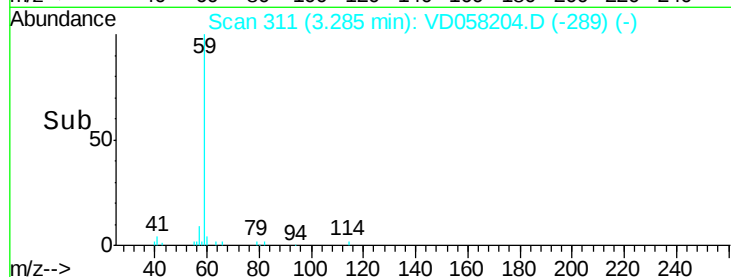
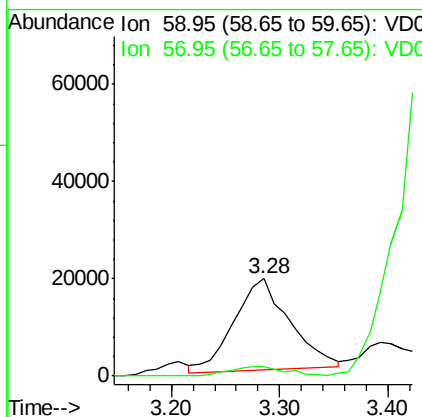
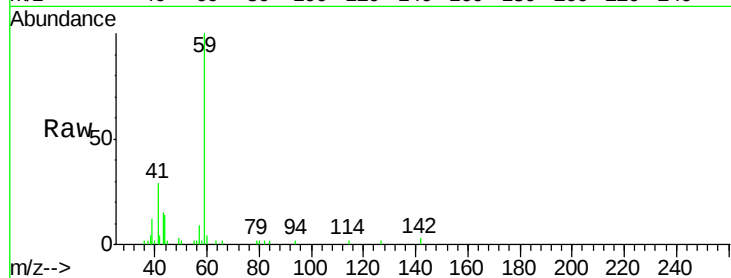


#11

Tert butyl alcohol
 Concen: 192.355 ug/l
 RT: 3.28 min Scan# 311
 Delta R.T. 0.02 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

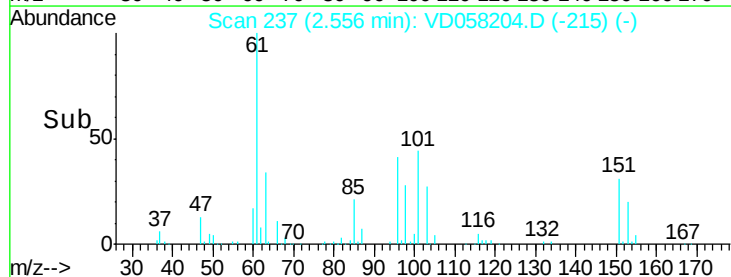
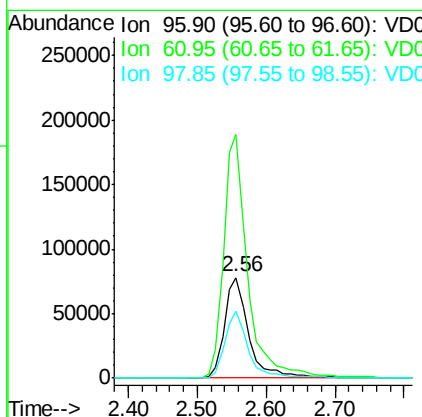
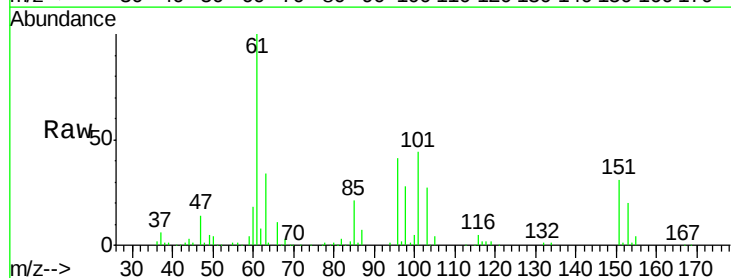
Tot Ion: 59 Resp: 67391
 Ion Ratio Lower Upper
 59 100
 57 9.1 6.2 9.4

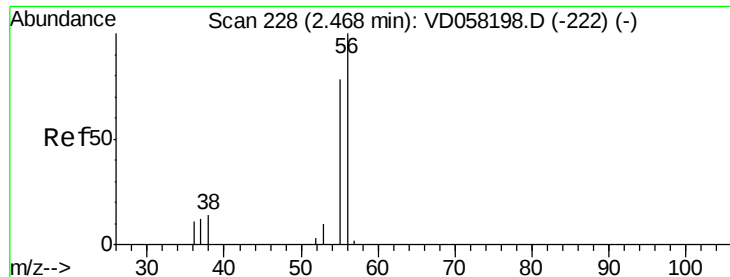


#12

1,1-Dichloroethene
 Concen: 52.809 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. 0.02 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion: 96 Resp: 190802
 Ion Ratio Lower Upper
 96 100
 61 242.0 193.9 290.9
 98 66.7 51.7 77.5





#13

Acrolein

Concen: 399.959 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

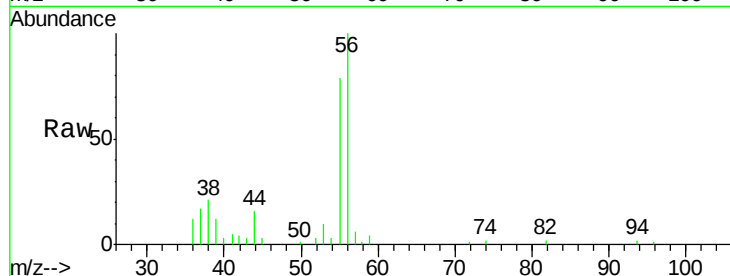
VSTDCCC050

Tot Ion: 56 Resp: 79991

Ion Ratio Lower Upper

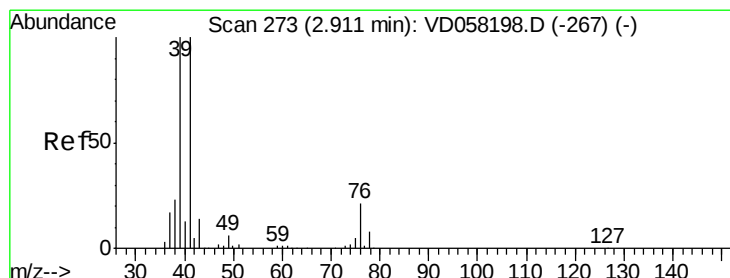
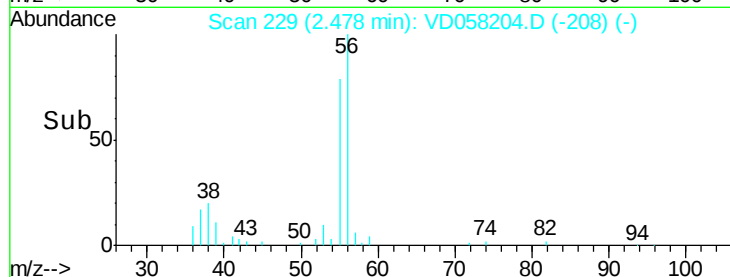
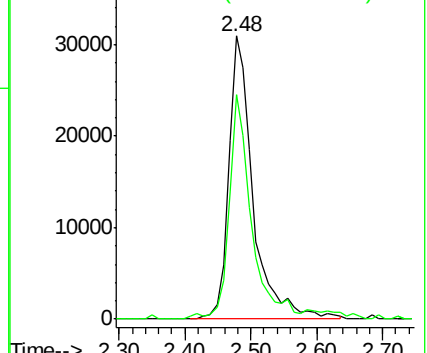
56 100

55 79.3 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 54.691 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.02 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

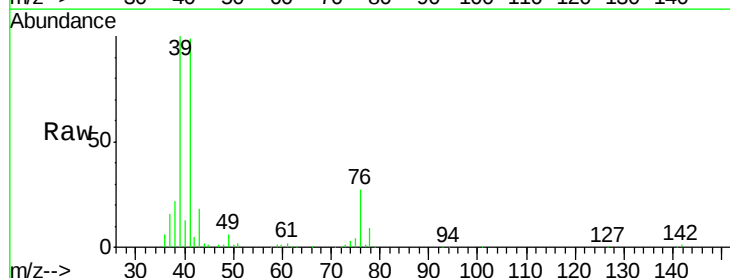
Tgt Ion: 41 Resp: 459906

Ion Ratio Lower Upper

41 100

39 101.3 80.1 120.1

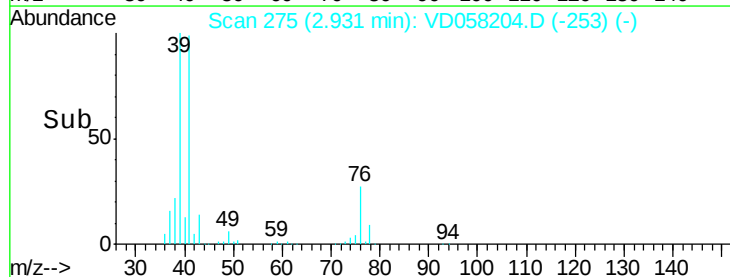
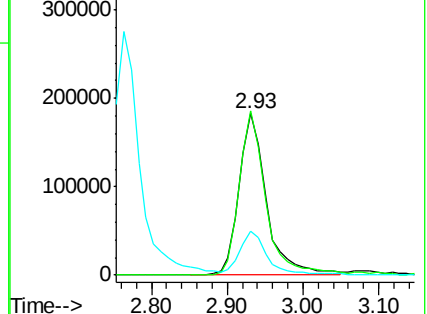
76 27.2 19.4 29.2

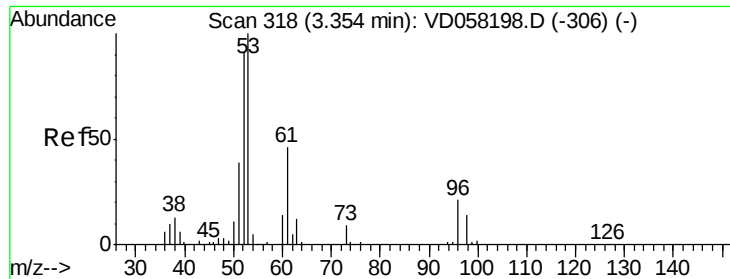


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC



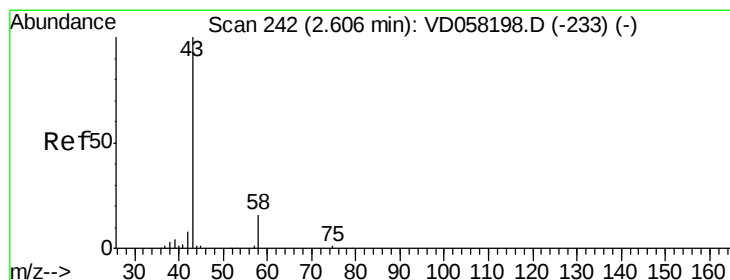
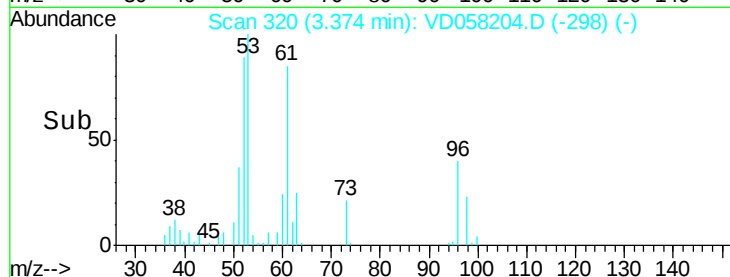
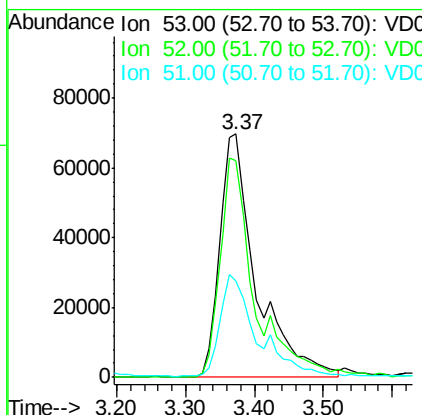
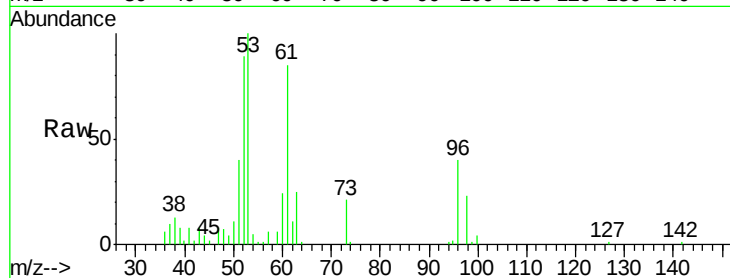


#15
 Acrylonitrile
 Concen: 276.382 ug/l
 RT: 3.37 min Scan# 320
 Delta R.T. 0.02 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 53 Resp: 256747

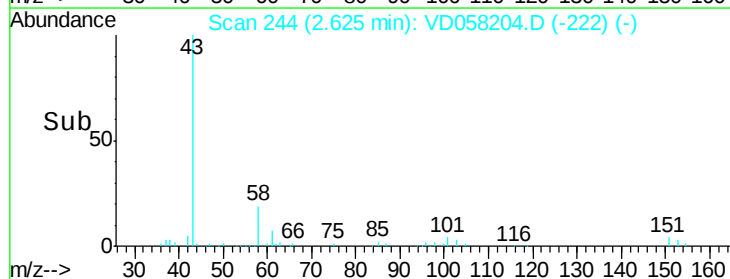
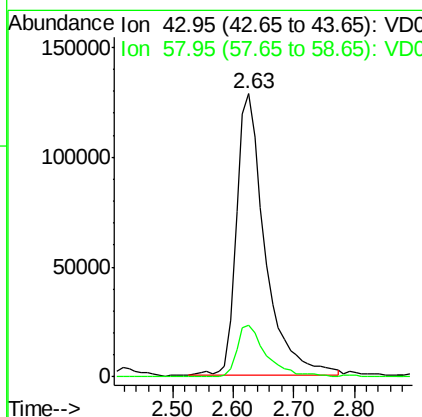
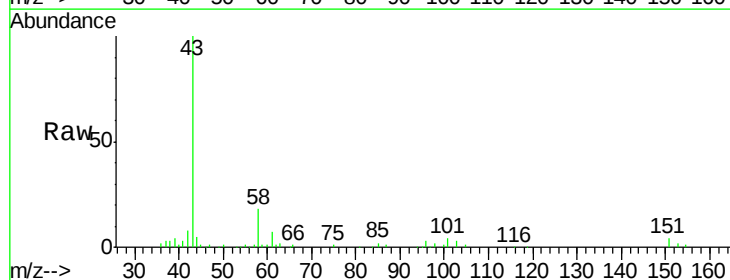
Ion	Ratio	Lower	Upper
53	100		
52	89.0	72.6	108.8
51	39.7	32.2	48.4

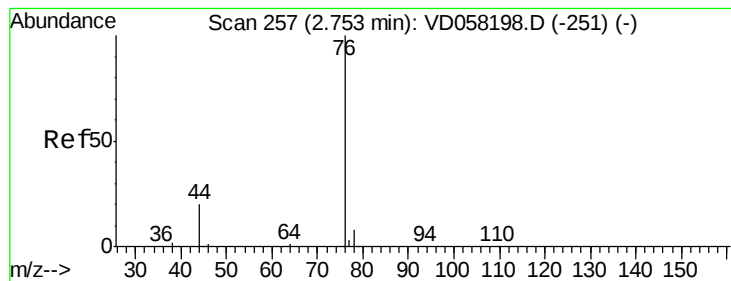


#16
 Acetone
 Concen: 290.515 ug/l
 RT: 2.63 min Scan# 244
 Delta R.T. 0.02 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion: 43 Resp: 422030

Ion	Ratio	Lower	Upper
43	100		
58	18.3	12.7	19.1





#17

Carbon Disulfide

Concen: 53.432 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

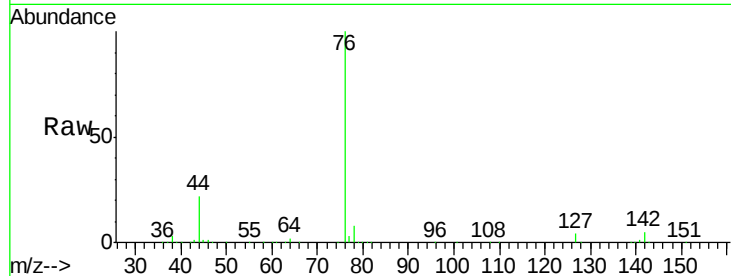
VSTDCCC050

Tot Ion: 76 Resp: 656804

Ion Ratio Lower Upper

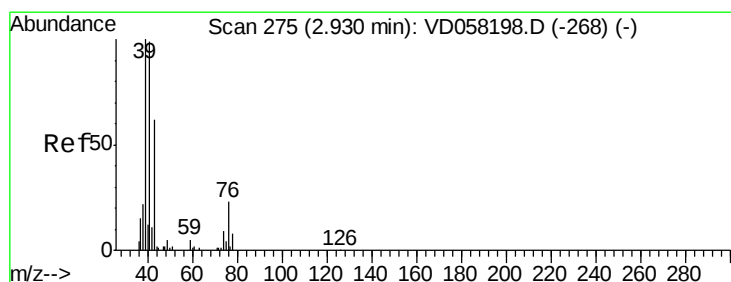
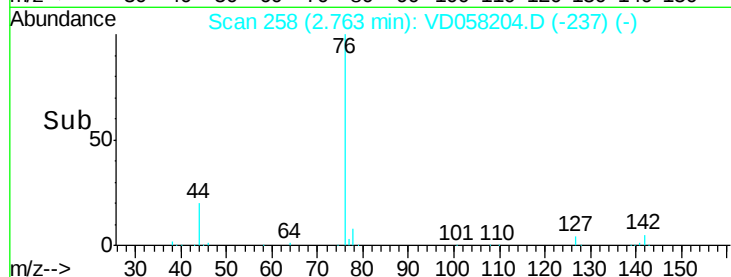
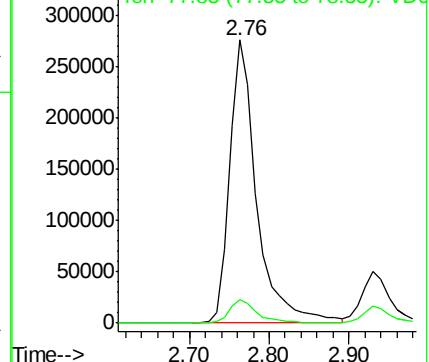
76 100

78 8.4 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 47.247 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.02 min

Lab File: VD058204.D

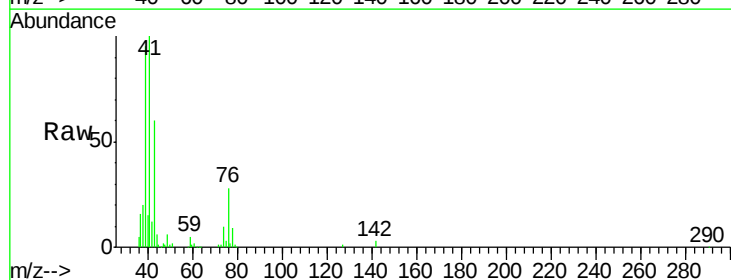
Acq: 20 Jun 2018 11:58

Tgt Ion: 43 Resp: 146378

Ion Ratio Lower Upper

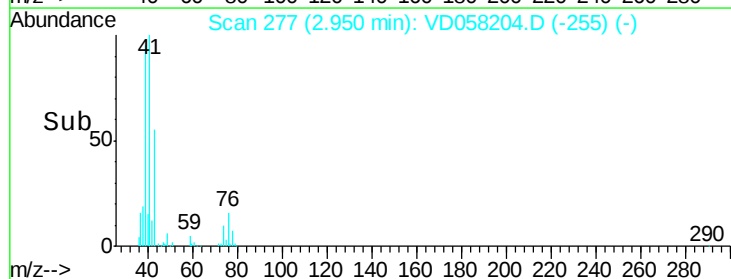
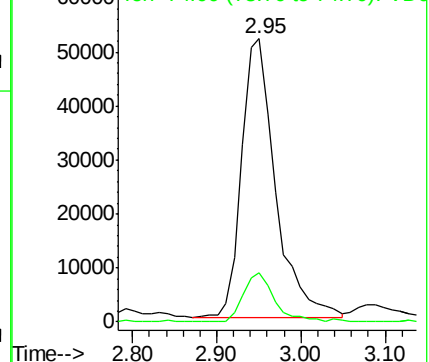
43 100

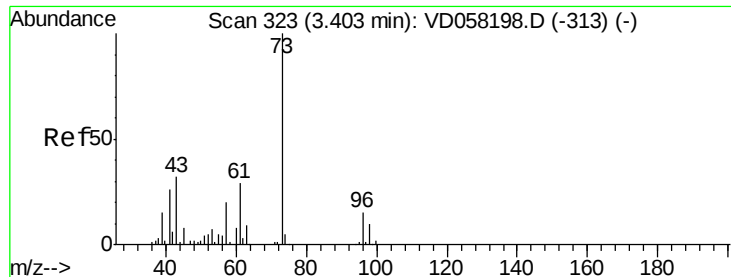
74 17.2 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



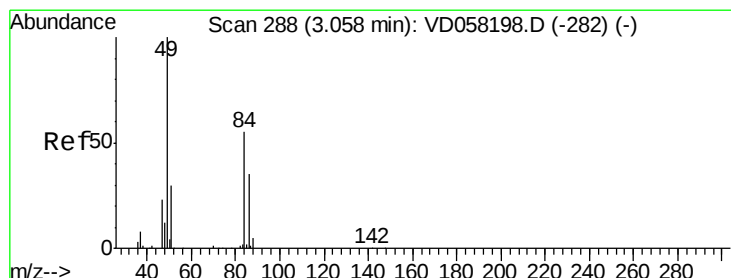
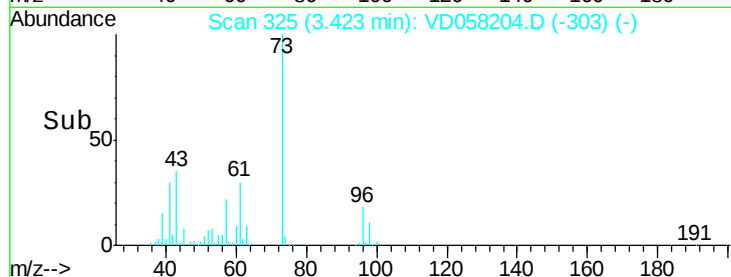
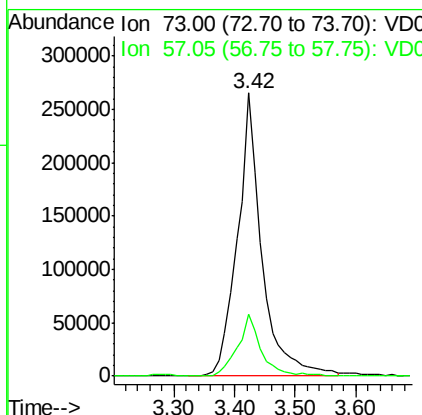
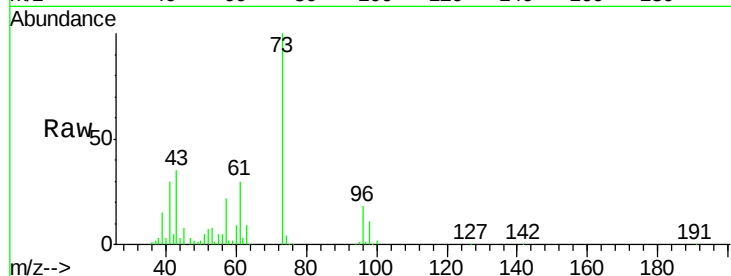


#19

Methyl tert-butyl Ether
 Concen: 77.361 ug/l
 RT: 3.42 min Scan# 325
 Delta R.T. 0.02 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

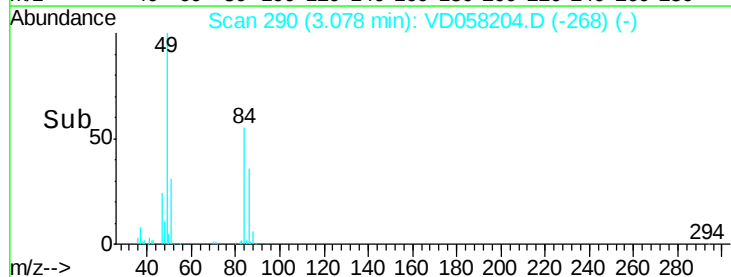
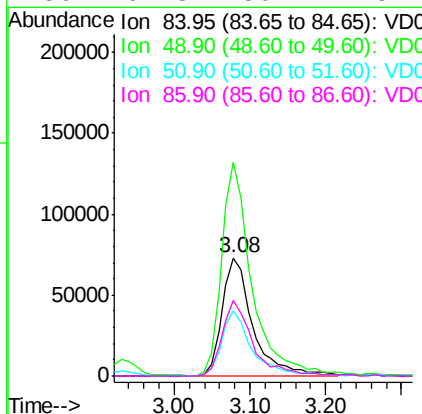
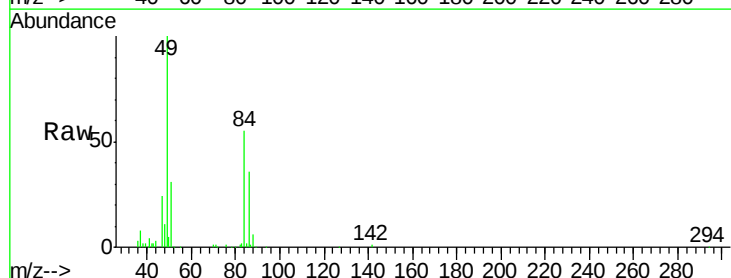
Tot Ion: 73 Resp: 741348
 Ion Ratio Lower Upper
 73 100
 57 21.9 16.6 24.8

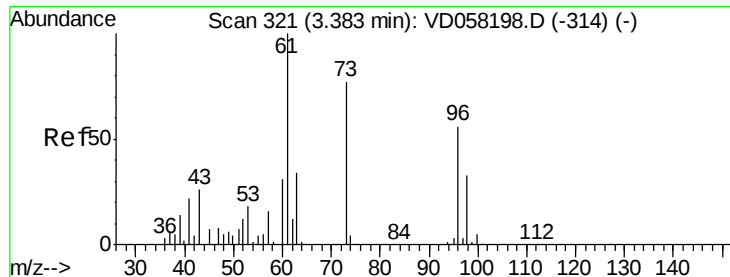


#20

Methylene Chloride
 Concen: 54.870 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.02 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion: 84 Resp: 206330
 Ion Ratio Lower Upper
 84 100
 49 181.0 145.0 217.6
 51 55.4 42.9 64.3
 86 64.3 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 64.787 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

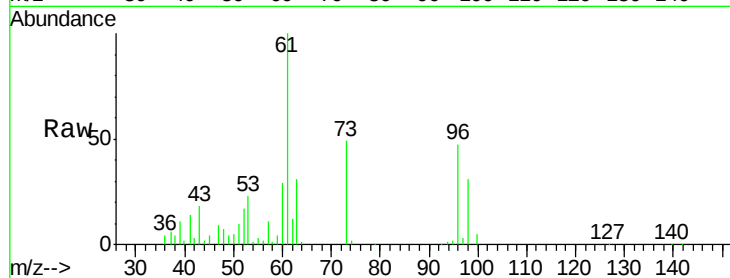
Tot Ion: 96 Resp: 255824

Ion Ratio Lower Upper

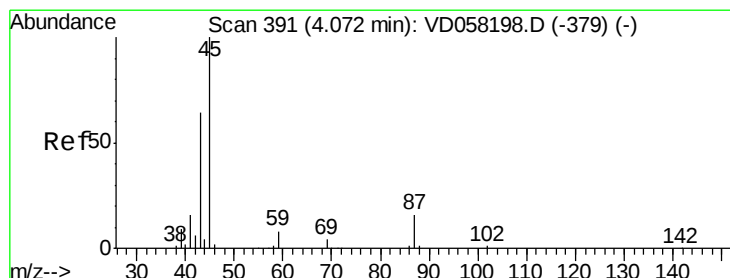
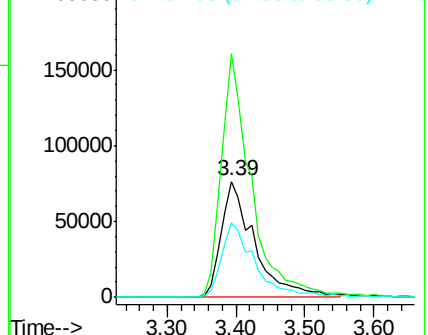
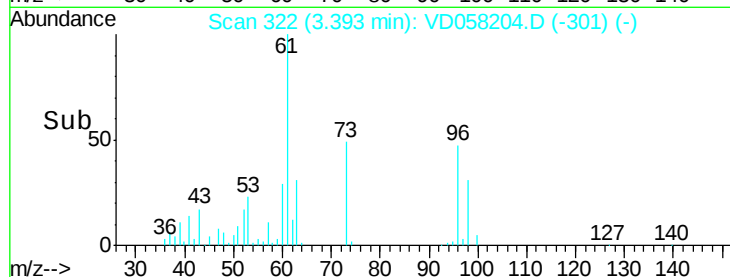
96 100

61 210.6 143.8 215.6

98 64.7 48.0 72.0



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



#22

Diisopropyl ether

Concen: 49.878 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Tgt Ion: 45 Resp: 1665853

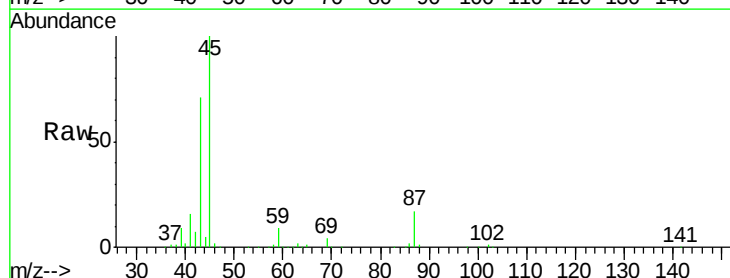
Ion Ratio Lower Upper

45 100

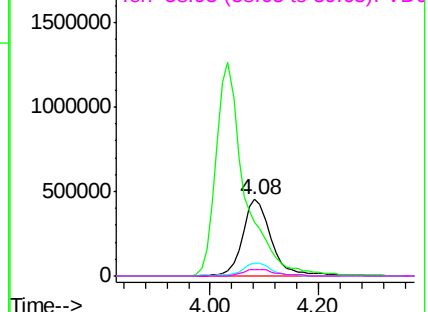
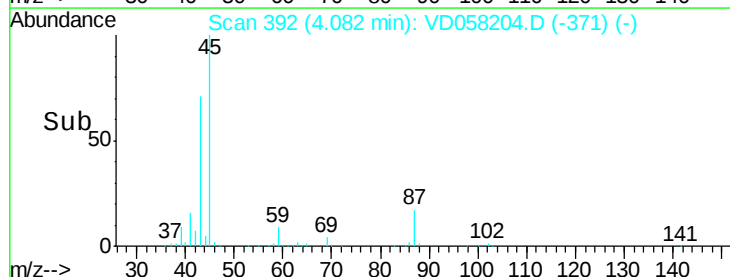
43 70.6 51.4 77.0

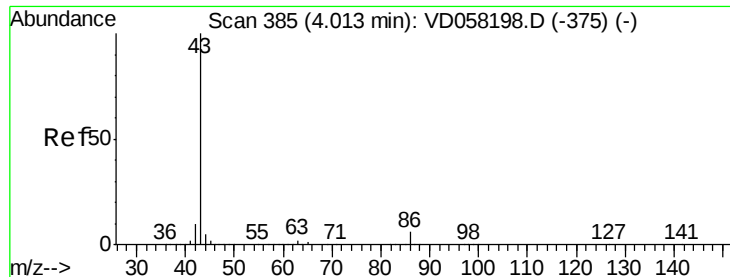
87 17.4 13.0 19.4

59 8.9 6.9 10.3



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 257.785 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.02 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

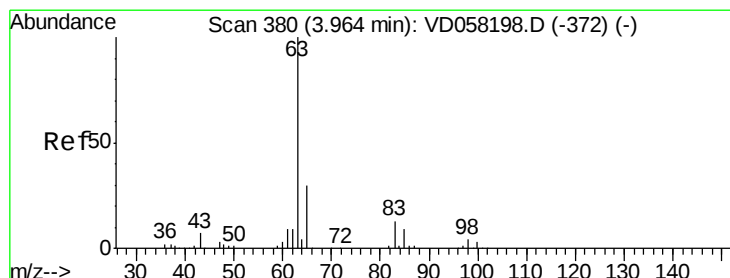
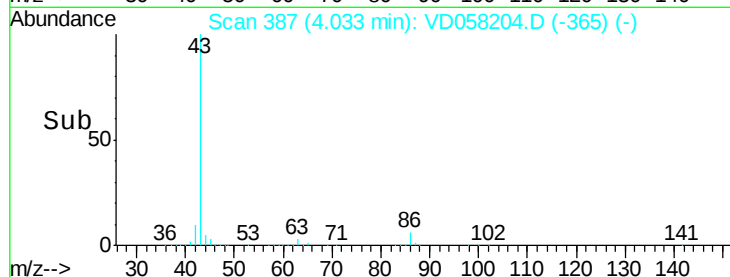
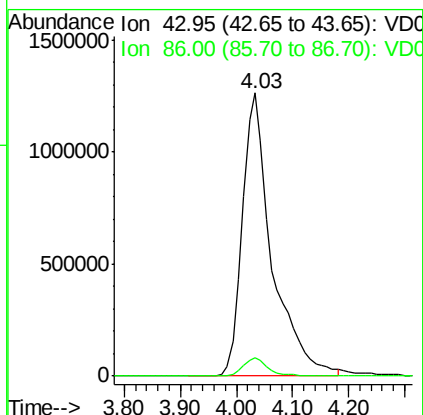
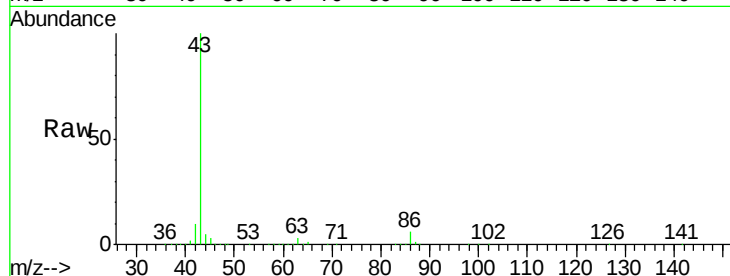
VSTDCCC050

Tot Ion: 43 Resp: 4615253

Ion Ratio Lower Upper

43 100

86 6.4 5.0 7.4



#24

1,1-Dichloroethane

Concen: 52.230 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

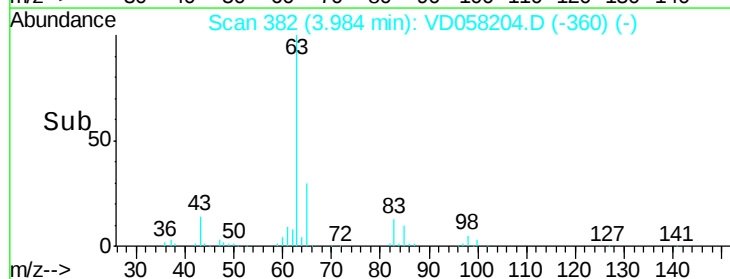
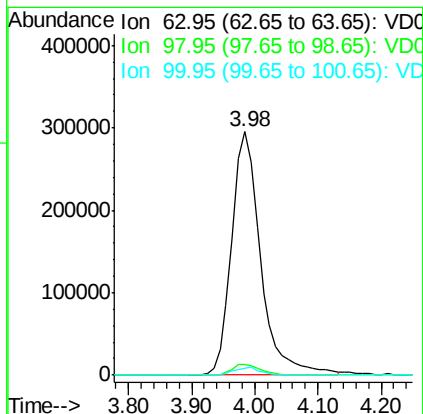
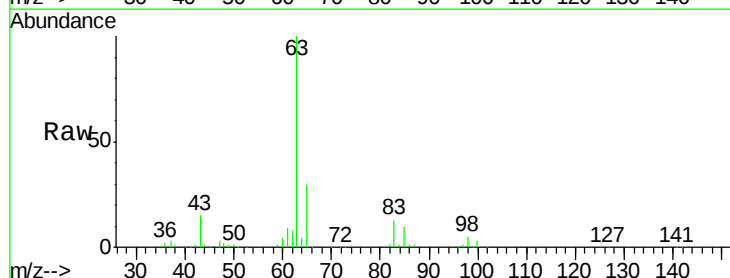
Tgt Ion: 63 Resp: 939778

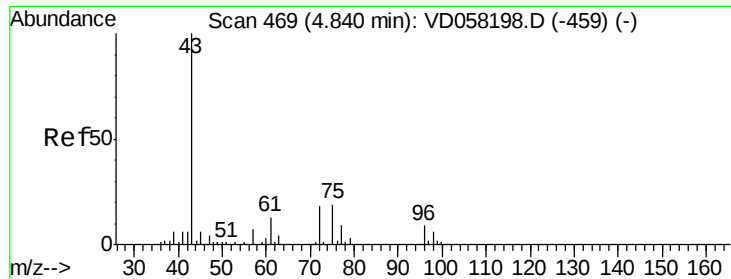
Ion Ratio Lower Upper

63 100

98 4.6 1.9 5.7

100 2.8 1.3 3.9





#25

2-Butanone

Concen: 256.041 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

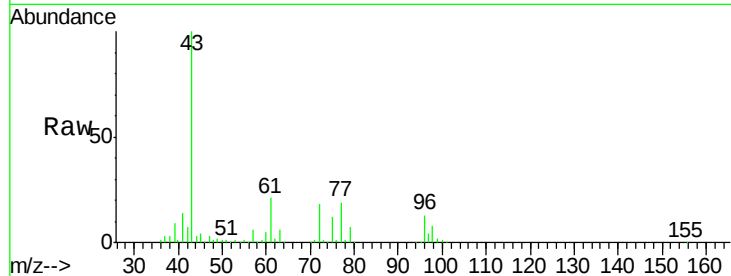
VSTDCCC050

Tot Ion: 43 Resp: 810675

Ion Ratio Lower Upper

43 100

72 18.2 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

300000

250000

200000

150000

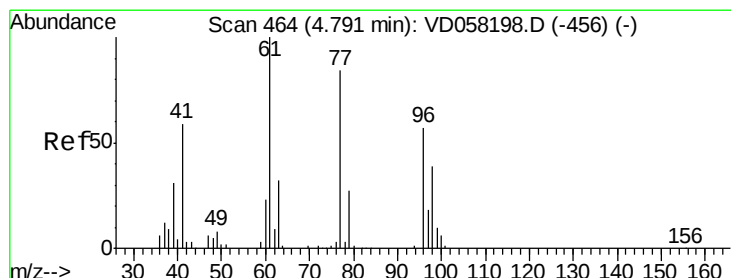
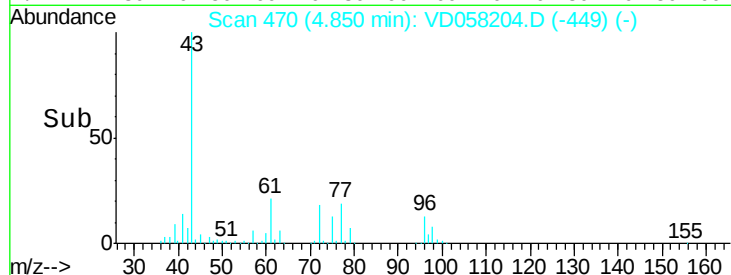
100000

50000

0

4.70 4.80 4.90

Time-->



#26

2,2-Dichloropropane

Concen: 56.347 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD058204.D

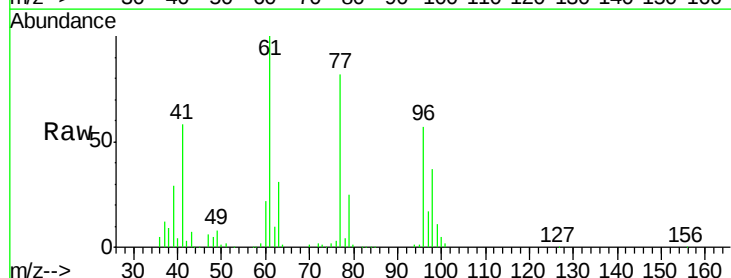
Acq: 20 Jun 2018 11:58

Tgt Ion: 77 Resp: 848937

Ion Ratio Lower Upper

77 100

97 21.2 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

250000

200000

150000

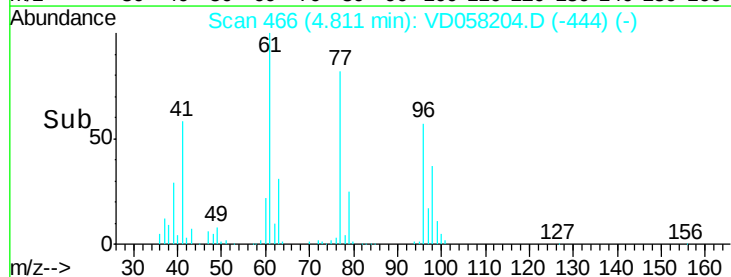
100000

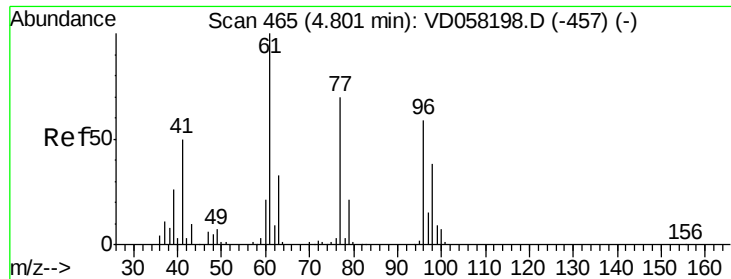
50000

0

4.70 4.80 4.90 5.00

Time-->



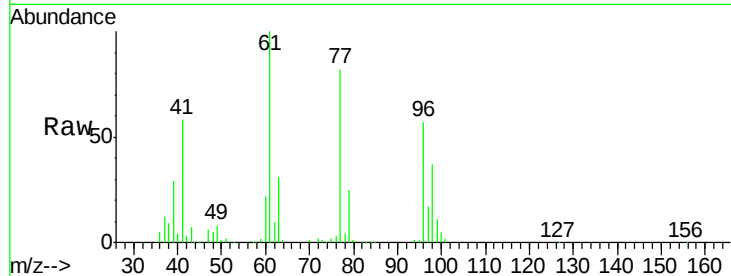


#27

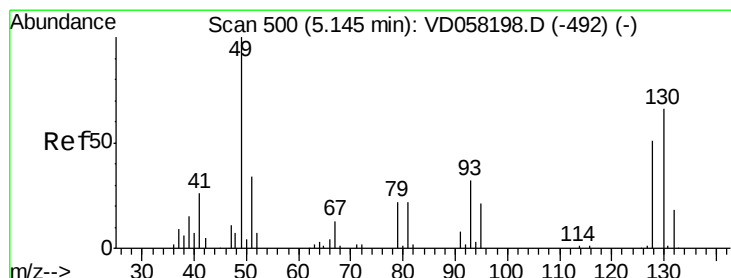
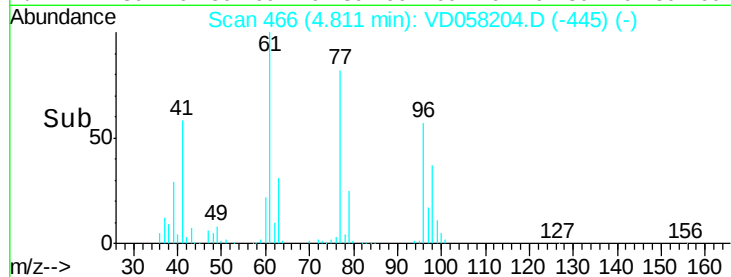
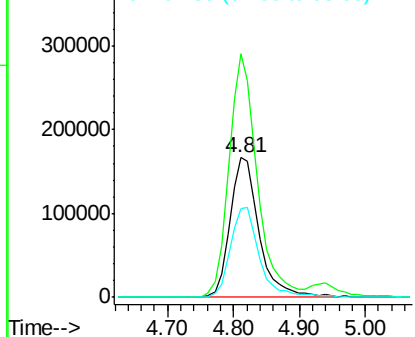
cis-1,2-Dichloroethene
 Concen: 52.327 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. 0.01 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 516333
 Ion Ratio Lower Upper
 96 100
 61 174.3 0.0 338.6
 98 64.0 0.0 130.2



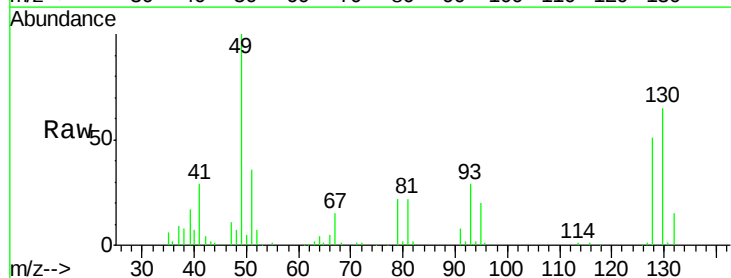
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



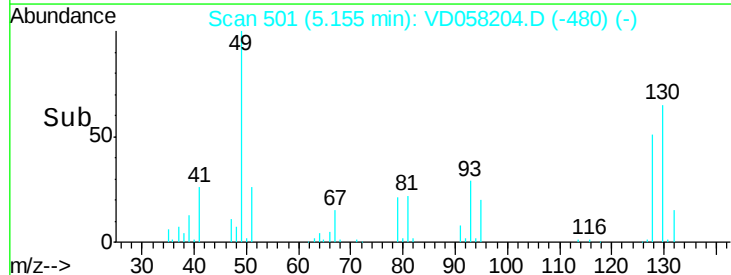
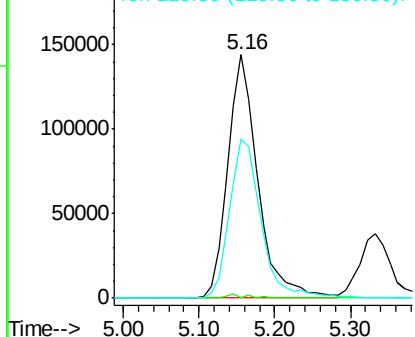
#28

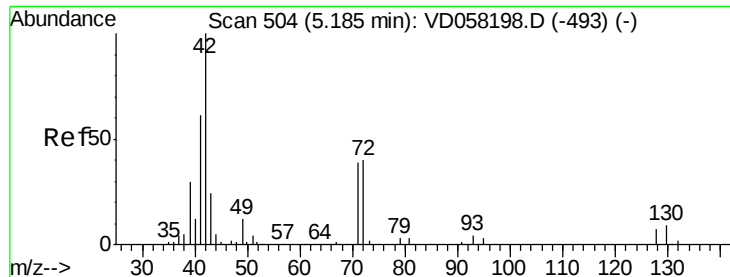
Bromochloromethane
 Concen: 49.111 ug/l
 RT: 5.16 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion: 49 Resp: 396126
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 65.3 52.6 79.0



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

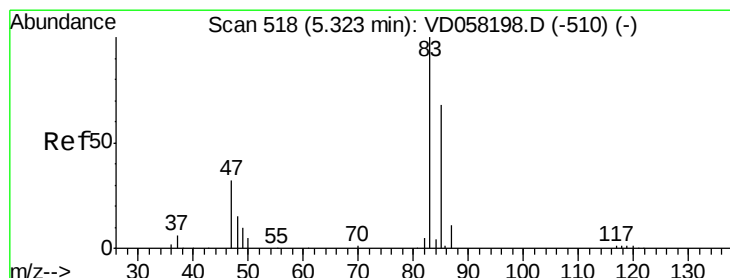
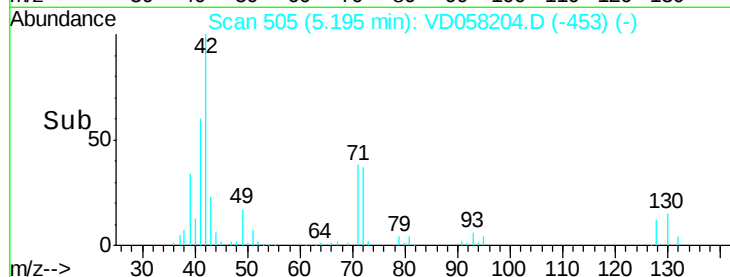
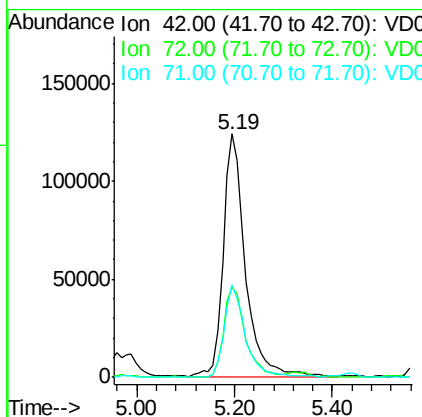
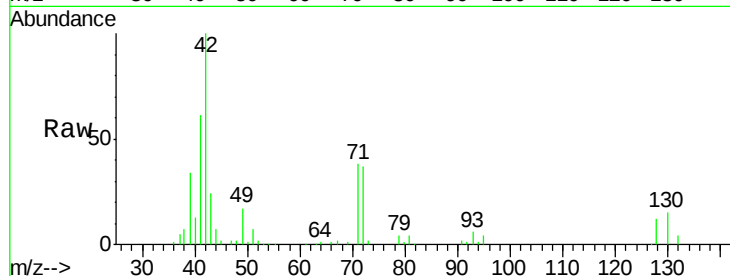




#29
Tetrahydrofuran
Concen: 229.356 ug/l
RT: 5.19 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

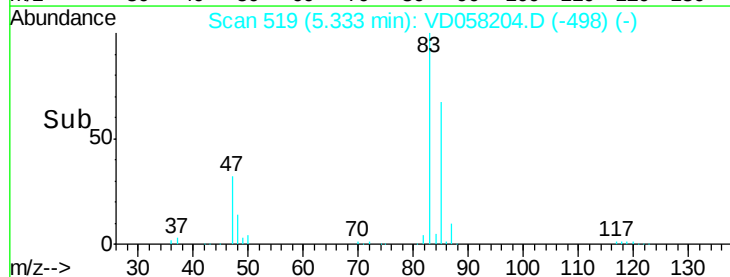
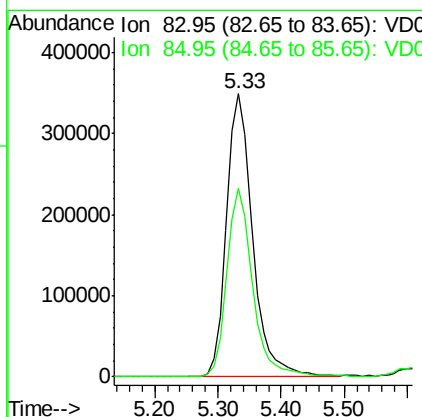
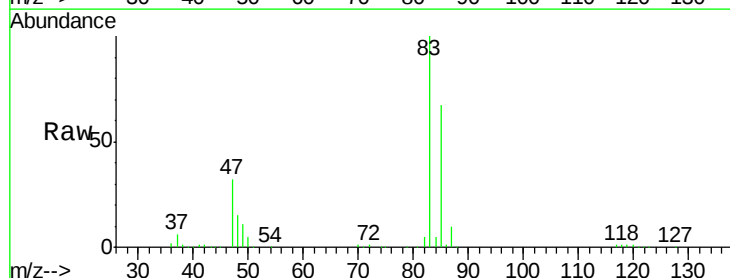
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

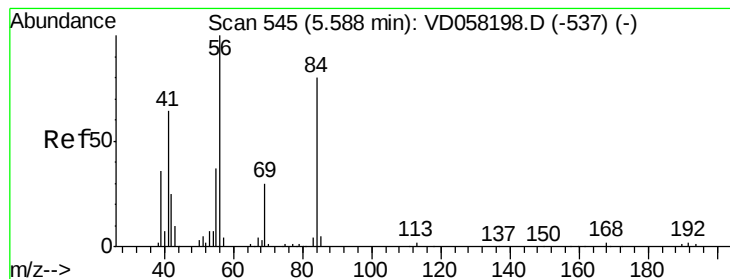
Tot Ion: 42 Resp: 386532
Ion Ratio Lower Upper
42 100
72 36.8 30.2 45.2
71 36.6 30.1 45.1



#30
Chloroform
Concen: 52.781 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion: 83 Resp: 1002604
Ion Ratio Lower Upper
83 100
85 66.5 54.8 82.2





#31

Cyclohexane

Concen: 53.944 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

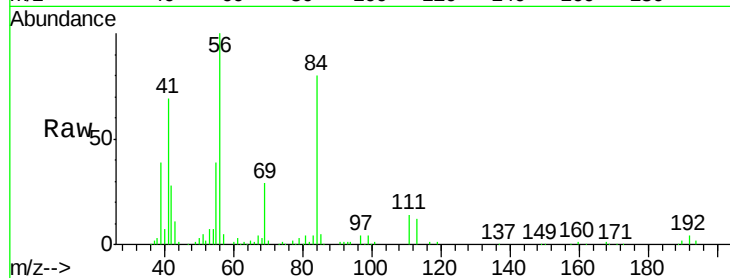
Tot Ion: 56 Resp: 699329

Ion Ratio Lower Upper

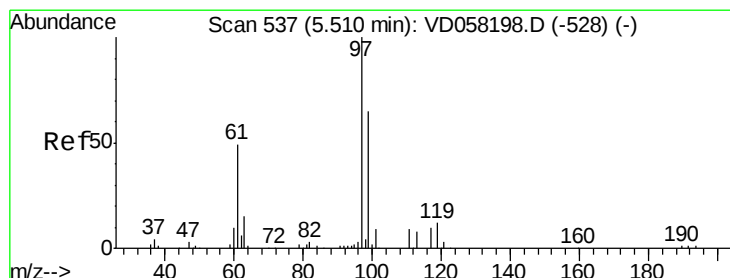
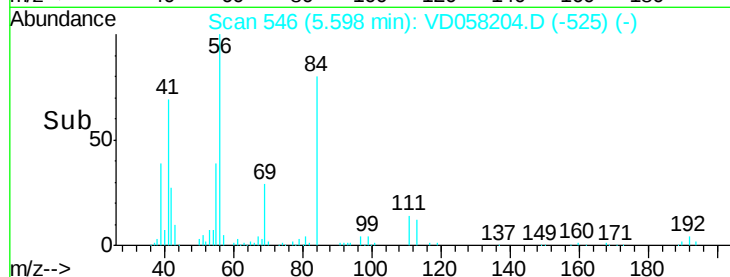
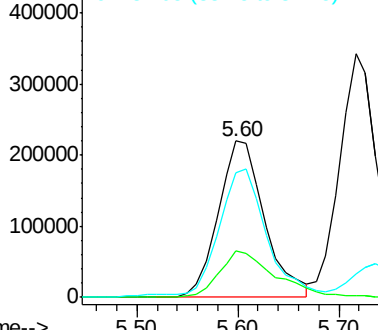
56 100

69 29.4 23.6 35.4

84 80.0 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 54.580 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

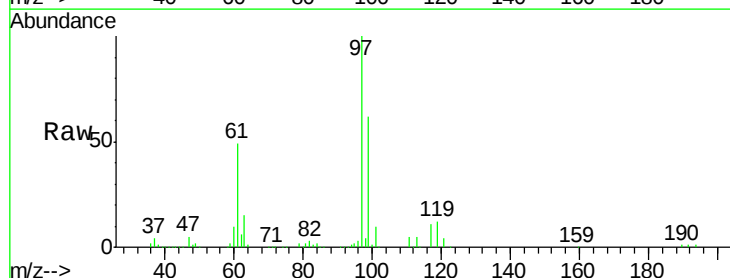
Tgt Ion: 97 Resp: 856612

Ion Ratio Lower Upper

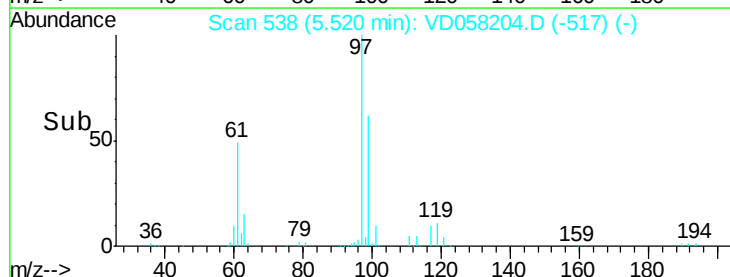
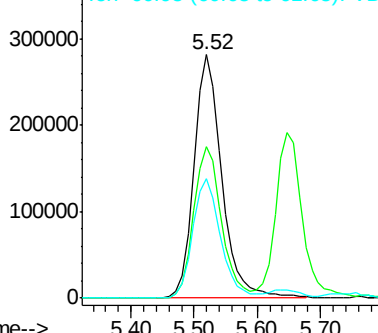
97 100

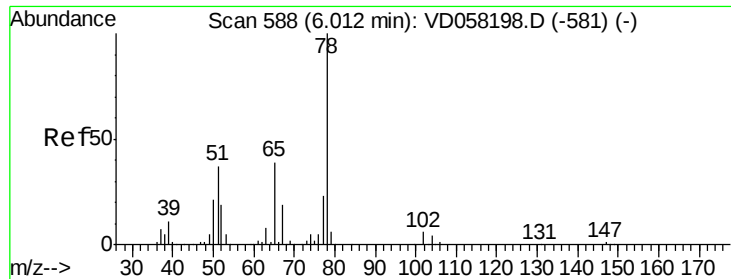
99 62.3 52.2 78.4

61 49.2 39.0 58.4



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





#33

1,2-Dichloroethane-d4

Concen: 54.580 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

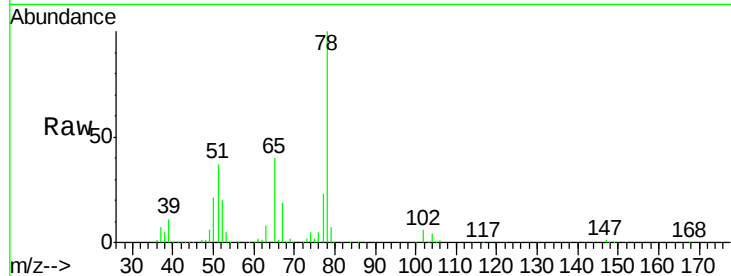
VSTDCCC050

Tot Ion: 65 Resp: 581205

Ion Ratio Lower Upper

65 100

67 46.9 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

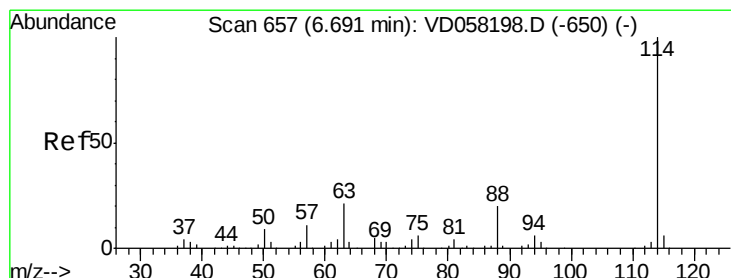
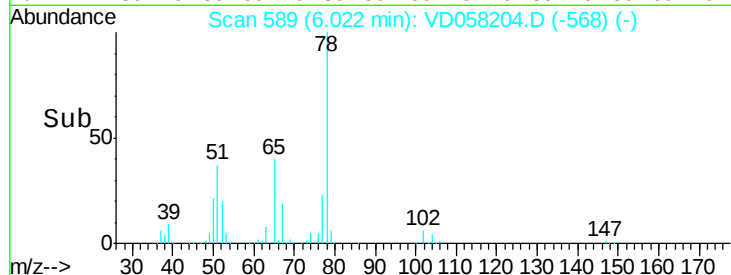
50000

0

6.02

6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

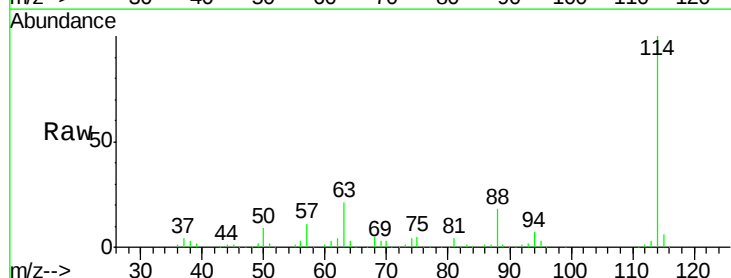
Tgt Ion: 114 Resp: 1379636

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 18.4 0.0 40.6



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

600000

400000

200000

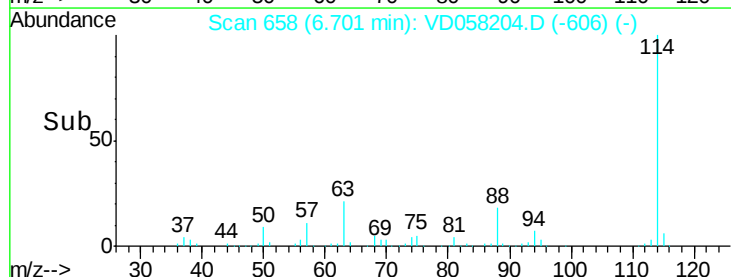
0

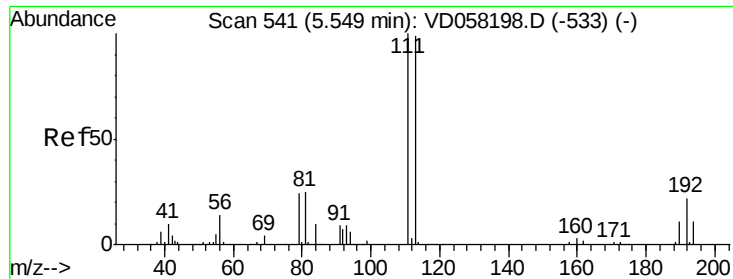
6.70

6.80

6.90

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

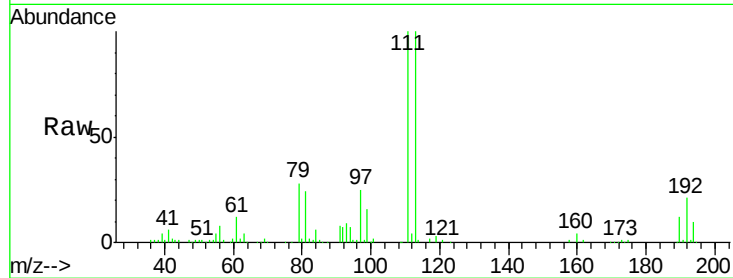
Tot Ion:113 Resp: 588953

Ion Ratio Lower Upper

113 100

111 100.5 80.6 121.0

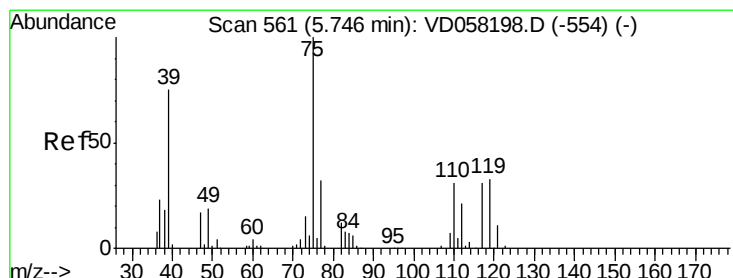
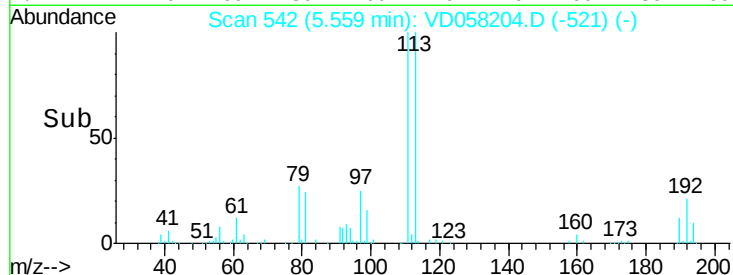
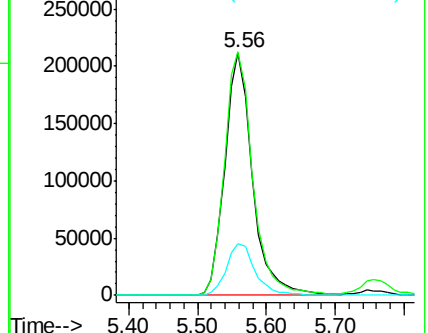
192 21.3 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 49.098 ug/l

RT: 5.76 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

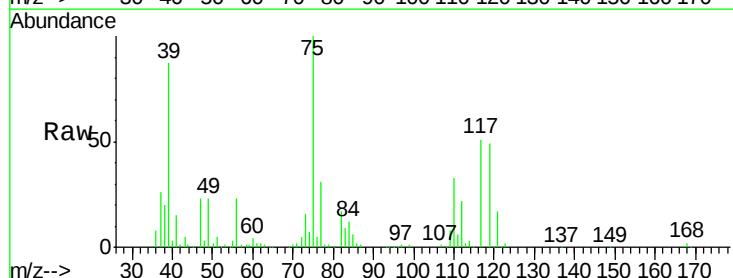
Tgt Ion: 75 Resp: 670101

Ion Ratio Lower Upper

75 100

110 33.0 15.4 46.4

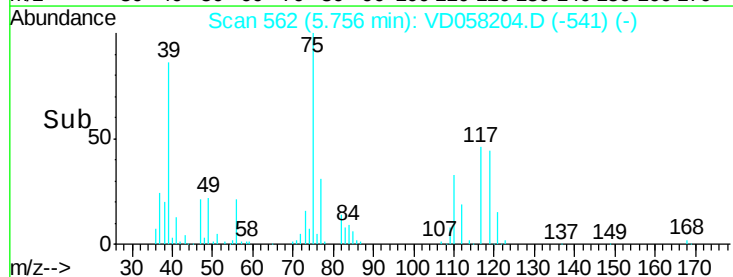
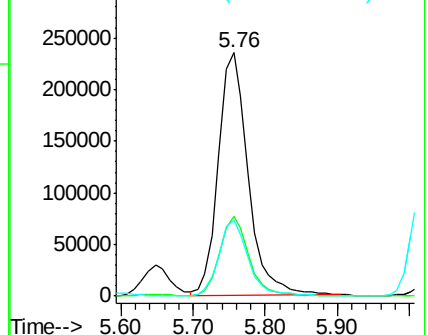
77 31.3 25.4 38.2

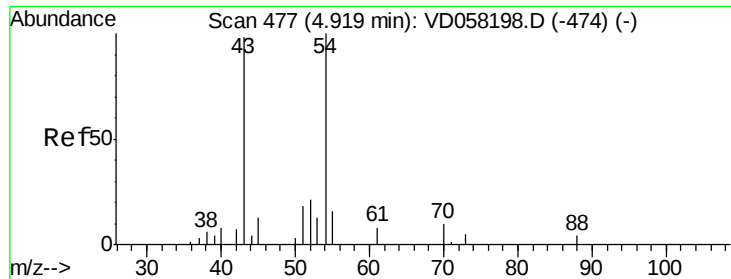


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

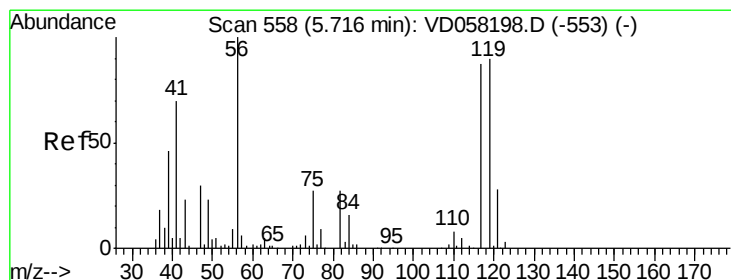
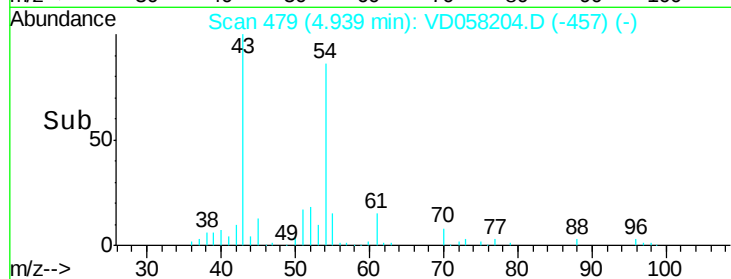
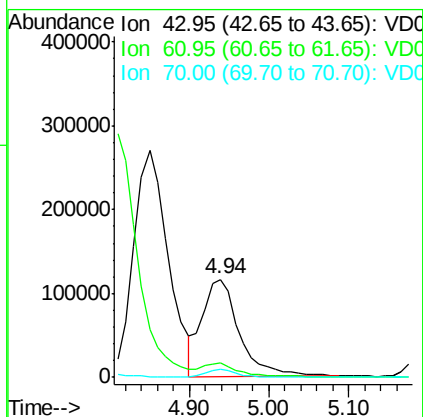
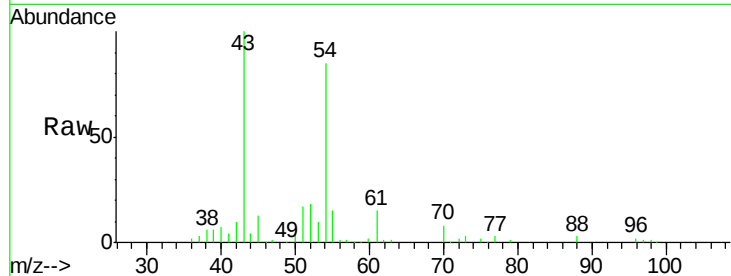




#37
Ethyl Acetate
Concen: 48.104 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

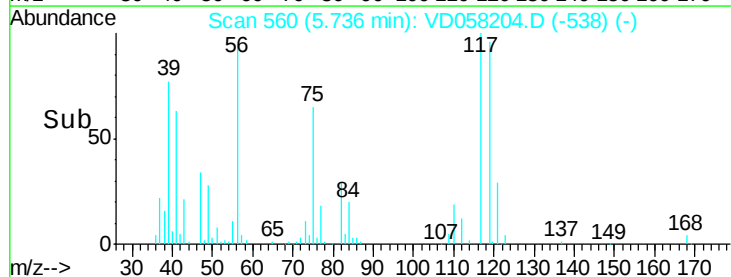
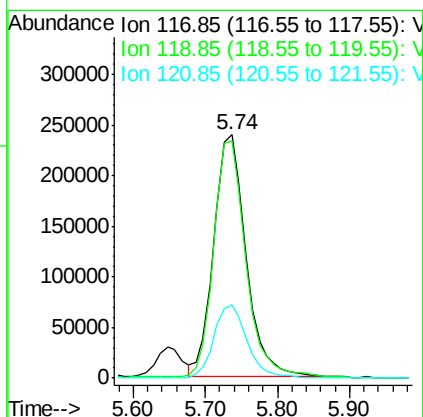
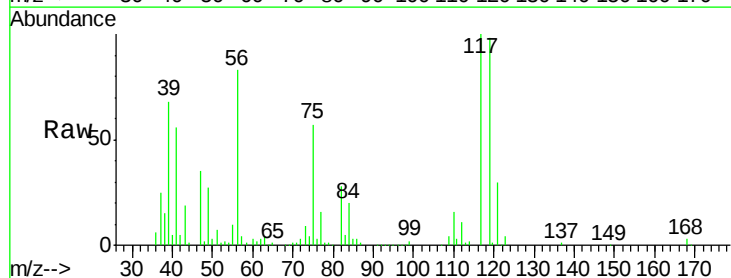
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

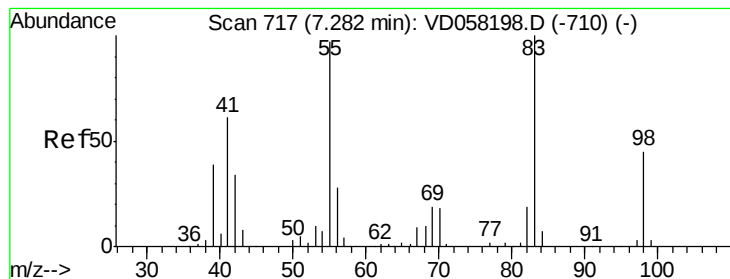
Tot Ion: 43 Resp: 374066
Ion Ratio Lower Upper
43 100
61 15.0 10.3 15.5
70 7.8 5.7 8.5



#38
Carbon Tetrachloride
Concen: 54.577 ug/l
RT: 5.74 min Scan# 560
Delta R.T. 0.02 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion: 117 Resp: 740112
Ion Ratio Lower Upper
117 100
119 97.6 78.8 118.2
121 30.2 25.0 37.6





#39

Methvlcvclohexane

Concen: 50.156 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

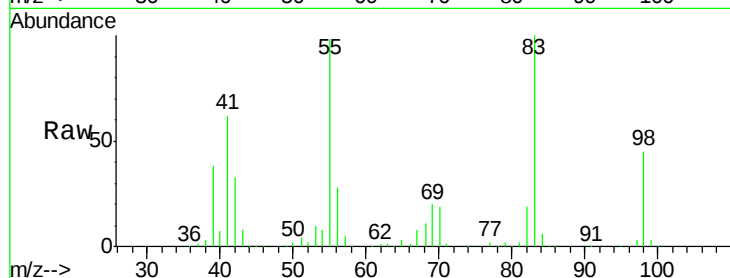
Tot Ion: 83 Resp: 666759

Ion Ratio Lower Upper

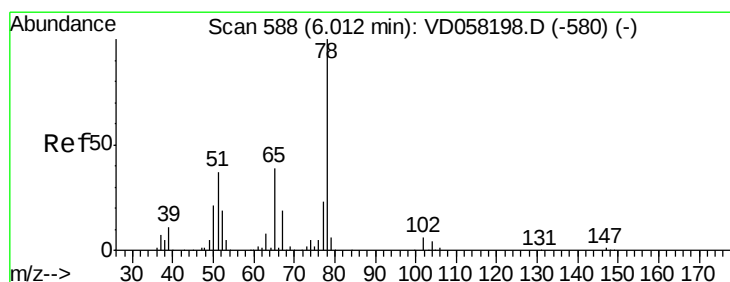
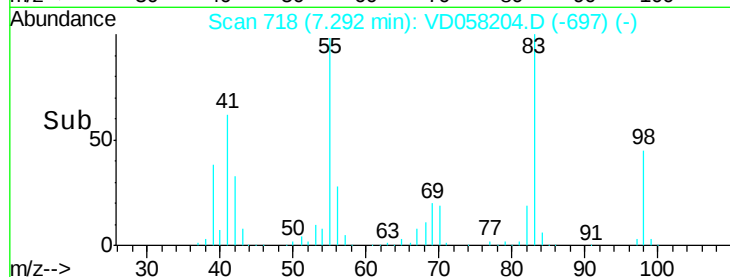
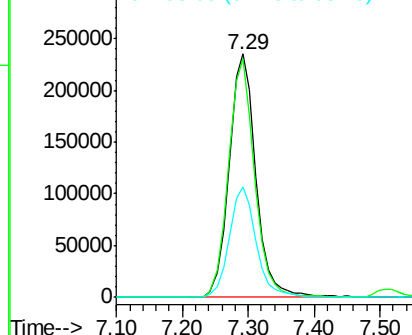
83 100

55 98.1 77.4 116.2

98 45.2 35.9 53.9



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: 47.800 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058204.D

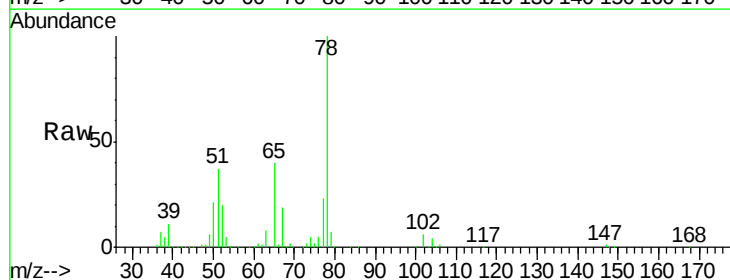
Acq: 20 Jun 2018 11:58

Tgt Ion: 78 Resp: 1554048

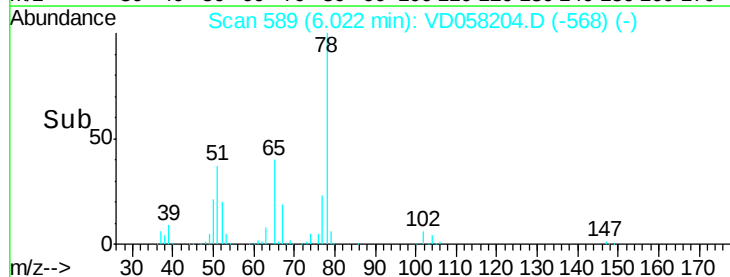
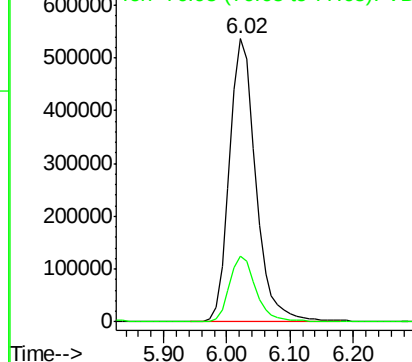
Ion Ratio Lower Upper

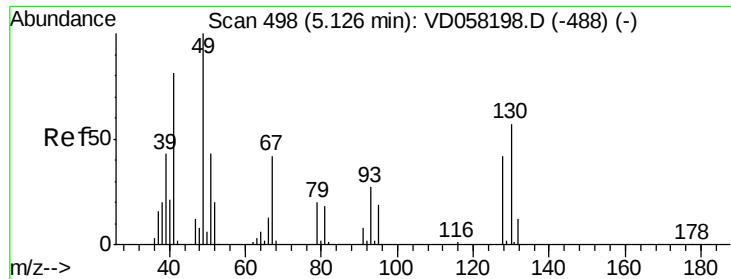
78 100

77 23.4 18.5 27.7



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

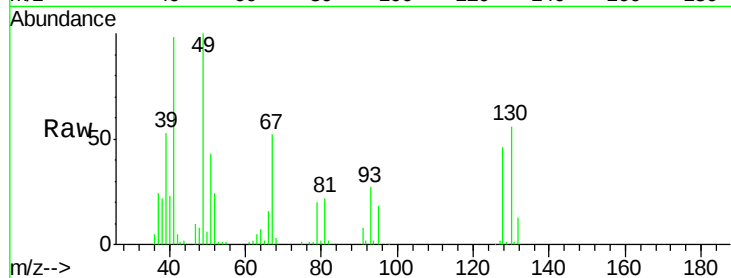




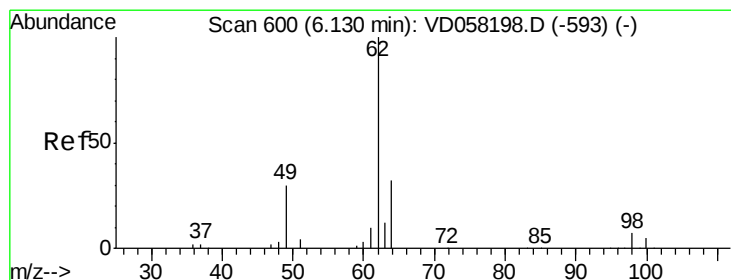
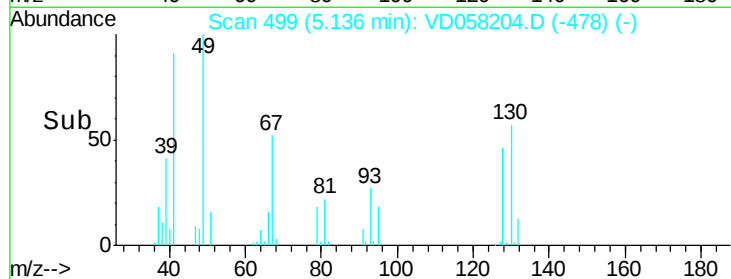
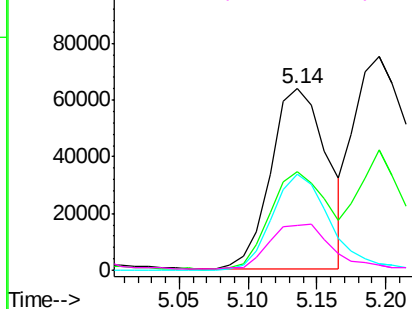
#41
Methacrylonitrile
Concen: 48.164 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 180854
Ion Ratio Lower Upper
41 100
39 54.3 43.4 65.2
67 52.8 41.7 62.5
52 24.6 20.6 30.8

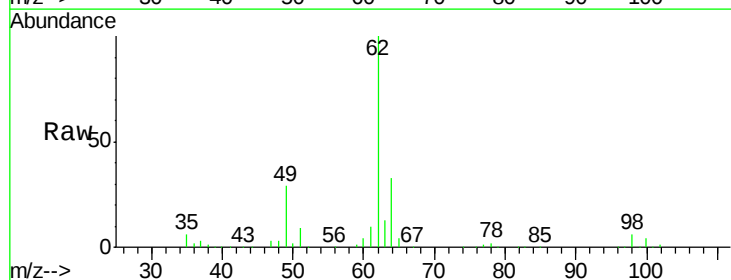


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

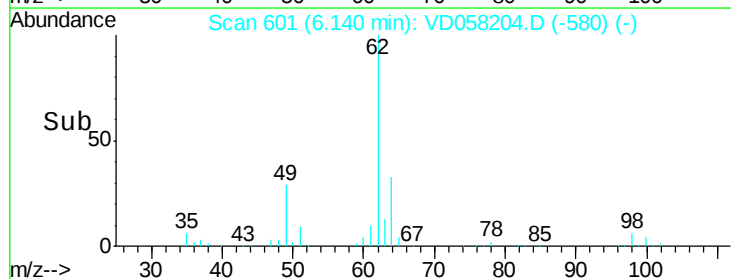
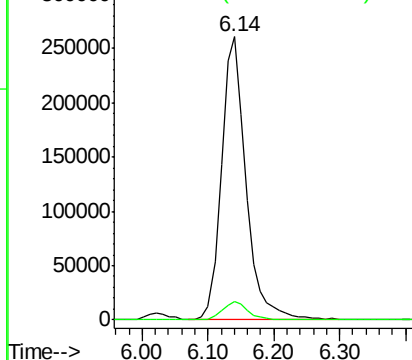


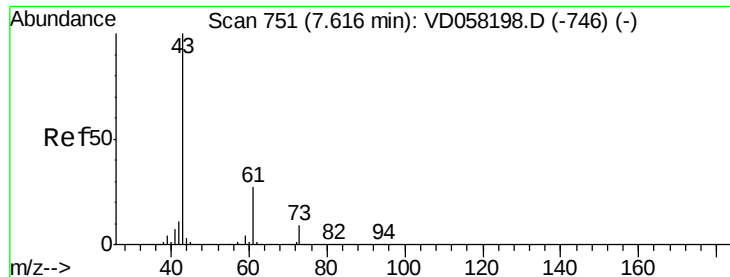
#42
1,2-Dichloroethane
Concen: 51.342 ug/l
RT: 6.14 min Scan# 601
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion: 62 Resp: 673050
Ion Ratio Lower Upper
62 100
98 6.3 0.0 13.2



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





#43

Isopropyl Acetate

Concen: 47.903 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

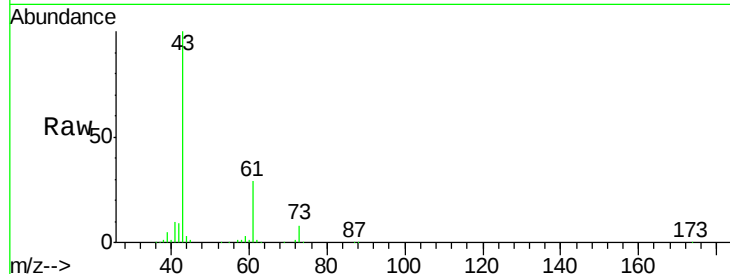
Tot Ion: 43 Resp: 496622

Ion Ratio Lower Upper

43 100

61 29.1 21.8 32.6

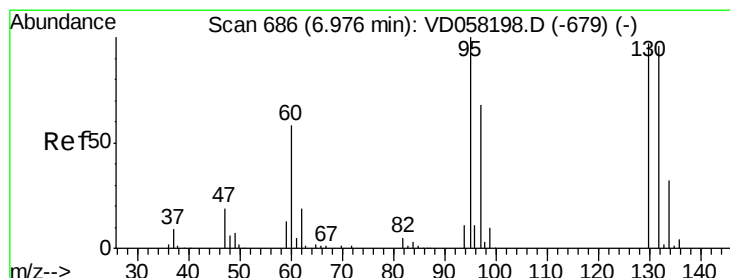
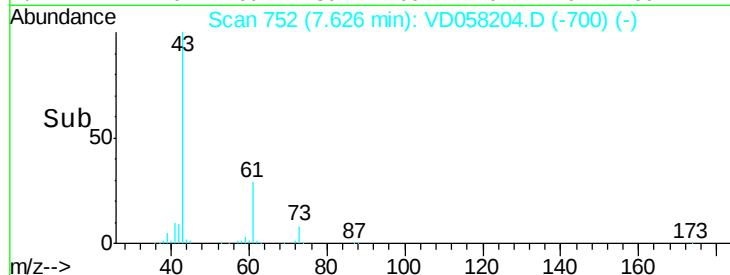
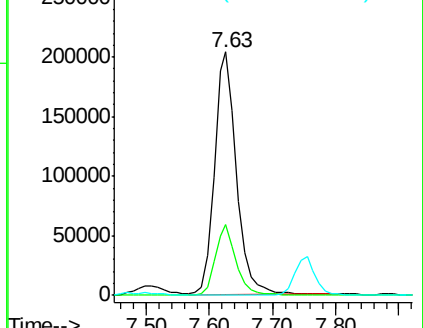
87 0.3 0.3 0.5#



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: 51.074 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD058204.D

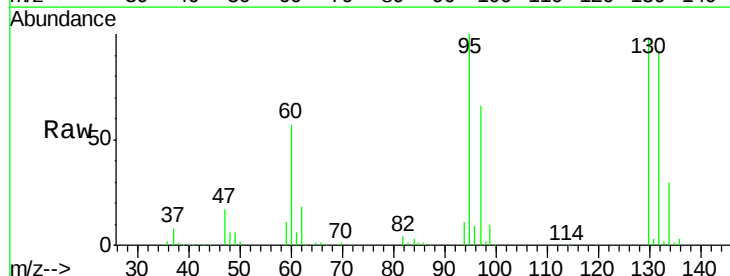
Acq: 20 Jun 2018 11:58

Tgt Ion:130 Resp: 498613

Ion Ratio Lower Upper

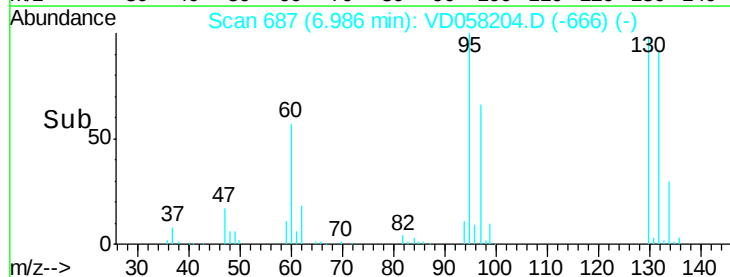
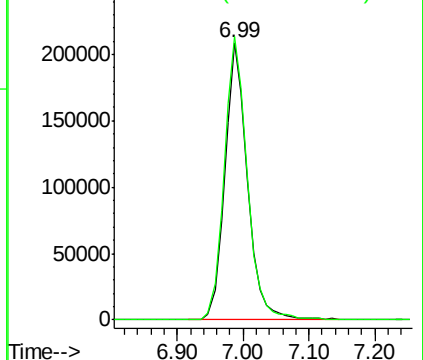
130 100

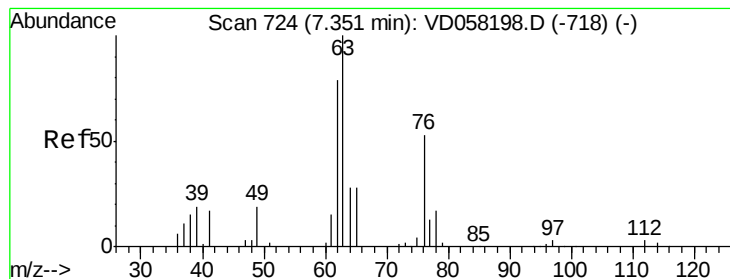
95 102.0 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.157 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

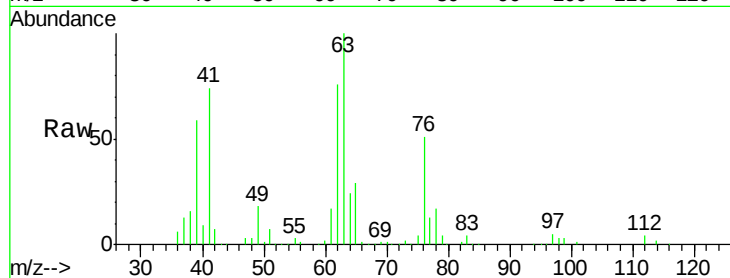
VSTDCCC050

Tot Ion: 63 Resp: 439164

Ion Ratio Lower Upper

63 100

65 29.2 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.36

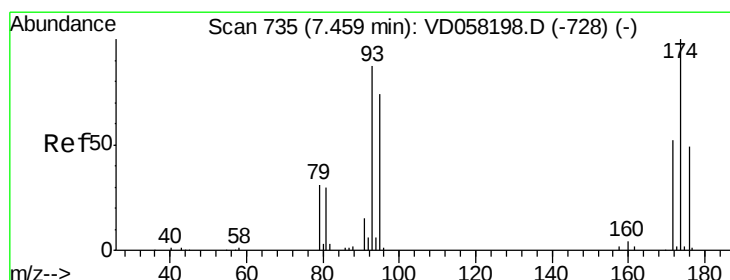
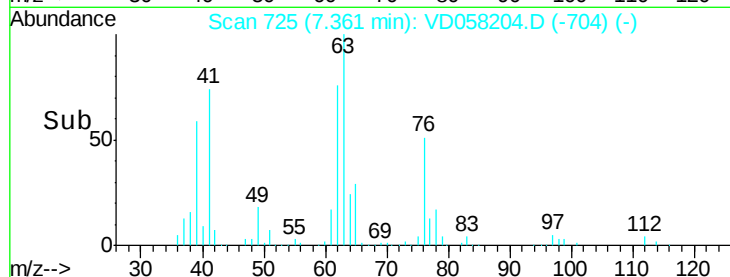
150000

100000

50000

0

Time--> 7.10 7.20 7.30 7.40 7.50



#46

Dibromomethane

Concen: 49.696 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

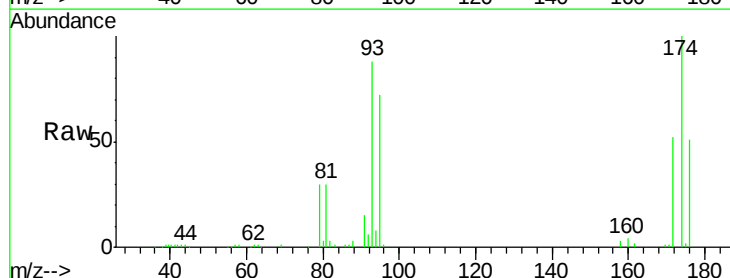
Tgt Ion: 93 Resp: 297041

Ion Ratio Lower Upper

93 100

95 82.4 67.8 101.6

174 113.9 92.2 138.2



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

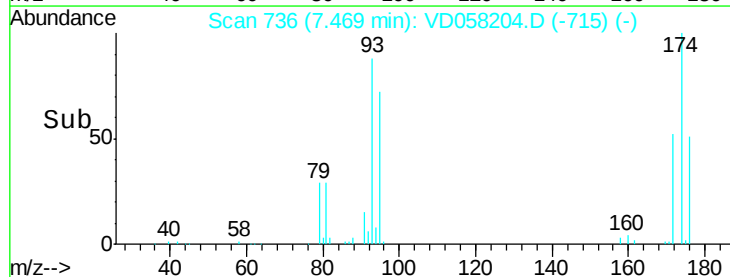
150000

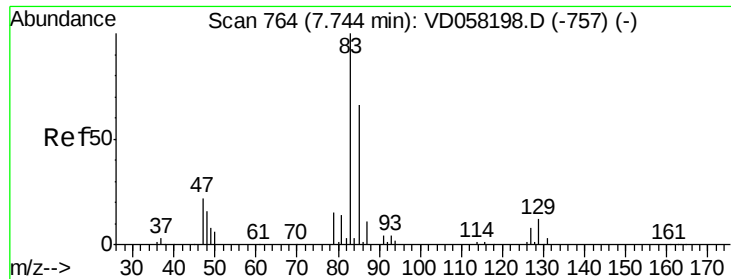
100000

50000

0

Time--> 7.40 7.50 7.60





#47

Bromodichloromethane

Concen: 52.734 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

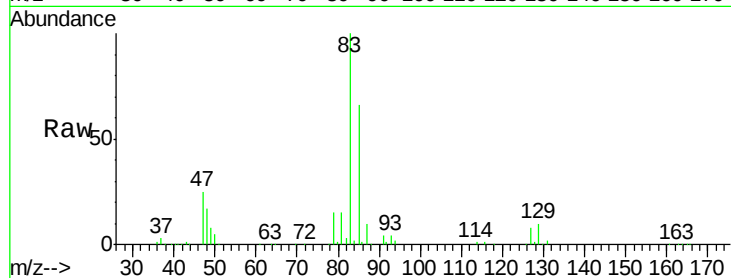
Tot Ion: 83 Resp: 718780

Ion Ratio Lower Upper

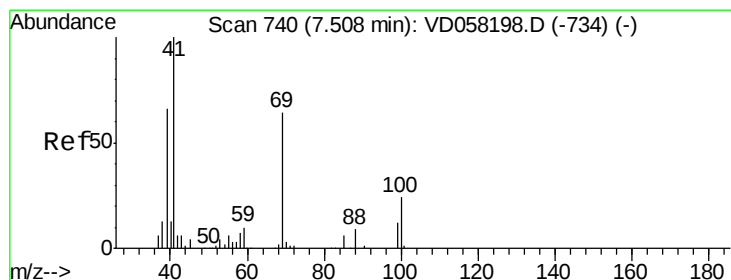
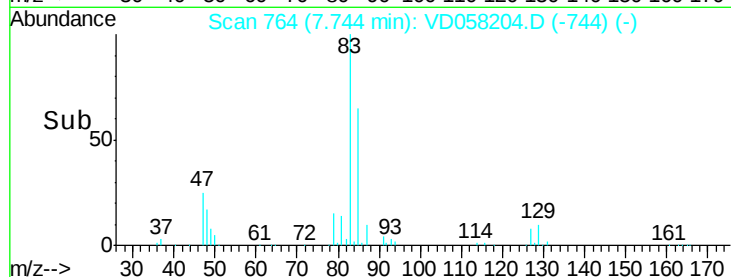
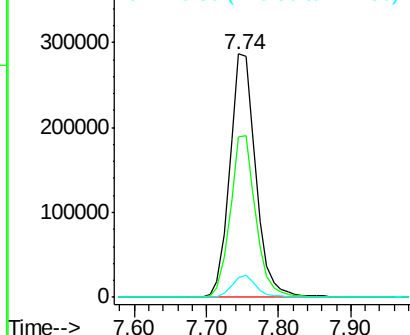
83 100

85 65.7 52.6 78.8

127 8.2 6.2 9.4



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): V



#48

Methyl methacrylate

Concen: 48.399 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

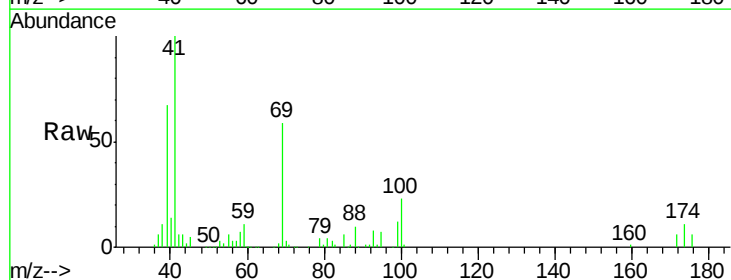
Tgt Ion: 41 Resp: 304959

Ion Ratio Lower Upper

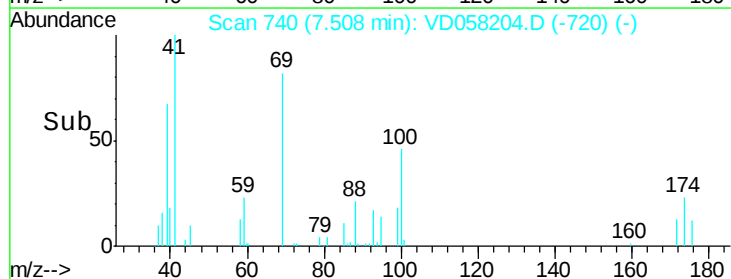
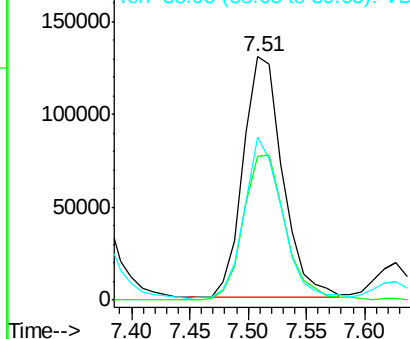
41 100

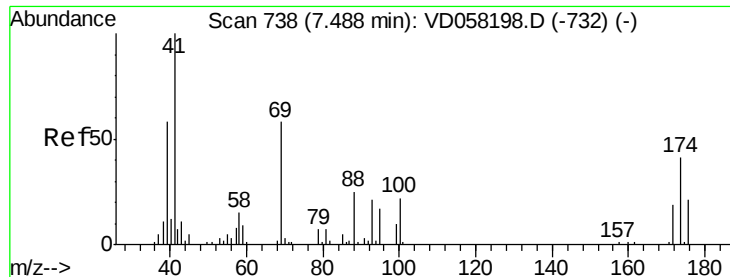
69 59.1 50.7 76.1

39 66.9 52.6 78.8



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

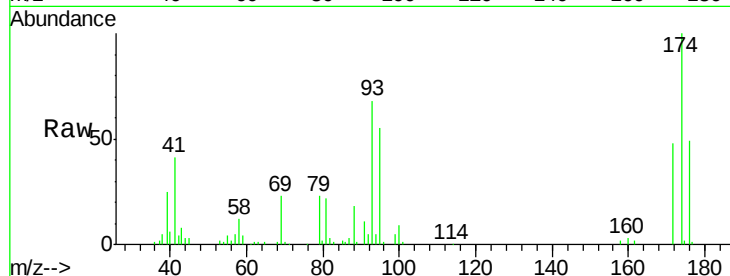




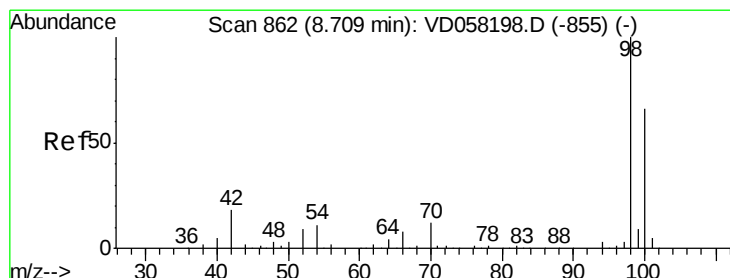
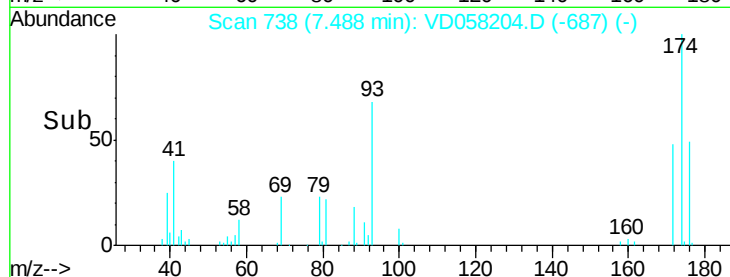
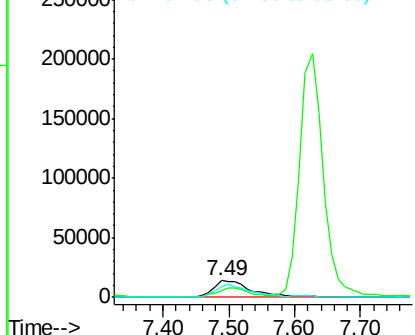
#49
1,4-Dioxane
Concen: 1026.402 ug/l
RT: 7.49 min Scan# 738
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 58379
Ion Ratio Lower Upper
88 100
43 42.3 34.2 51.2
58 64.1 47.9 71.9

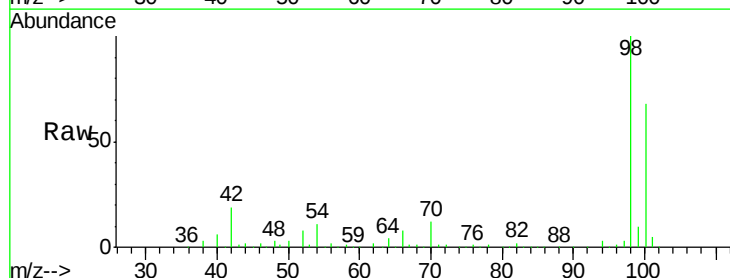


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

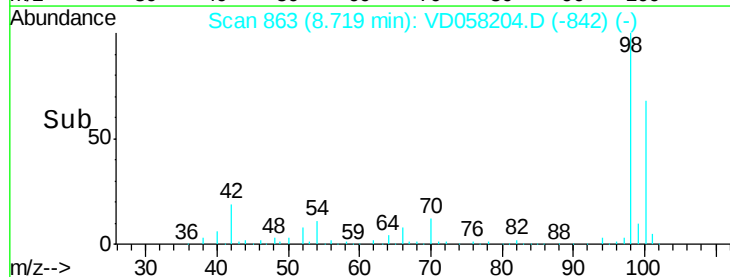
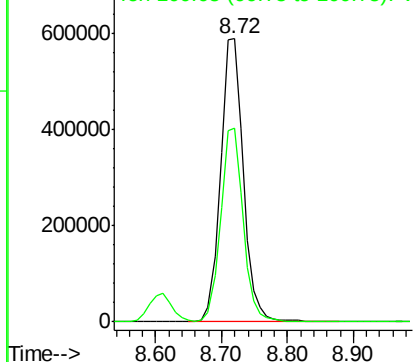


#50
Toluene-d8
Concen: 1026.402 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion: 98 Resp: 1421855
Ion Ratio Lower Upper
98 100
100 68.4 53.6 80.4



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: 232.770 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

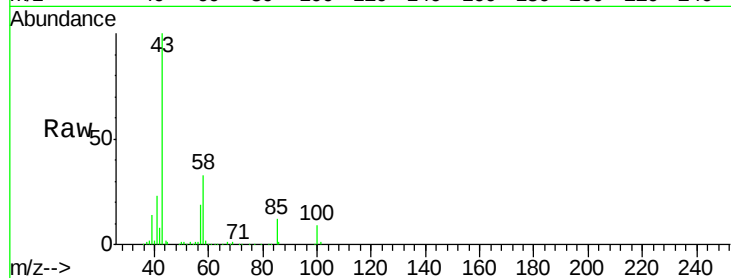
VSTDCCC050

Tot Ion: 43 Resp: 1574060

Ion Ratio Lower Upper

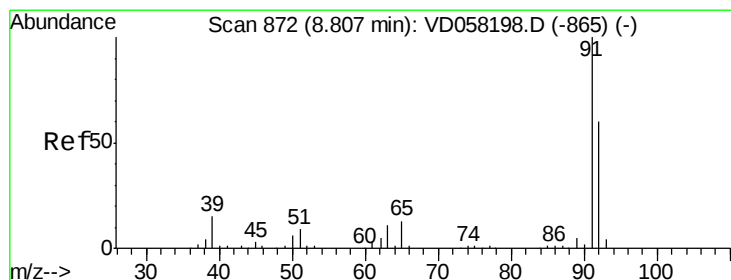
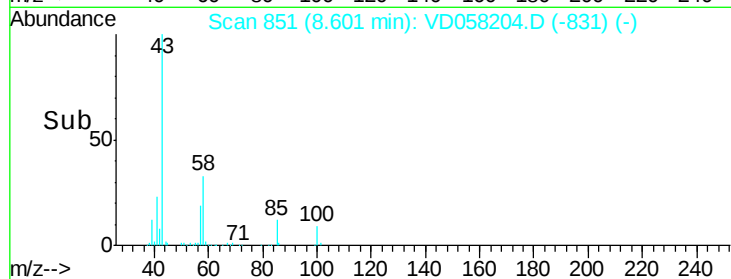
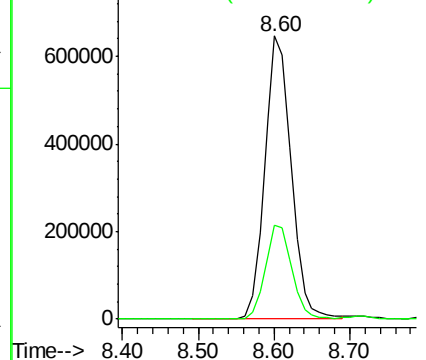
43 100

58 33.2 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 48.287 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058204.D

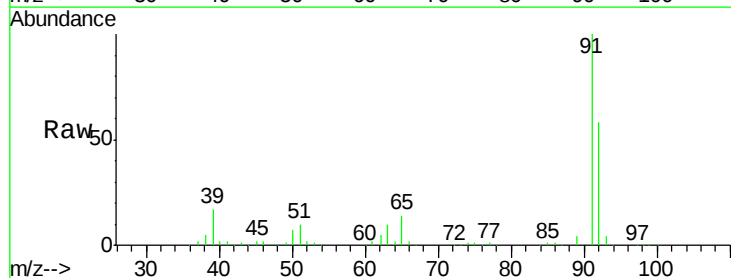
Acq: 20 Jun 2018 11:58

Tgt Ion: 92 Resp: 893908

Ion Ratio Lower Upper

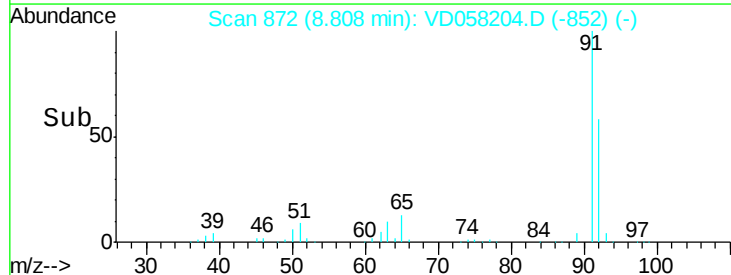
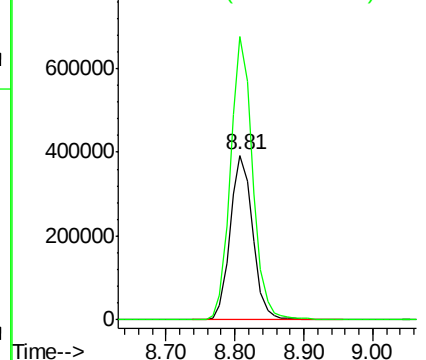
92 100

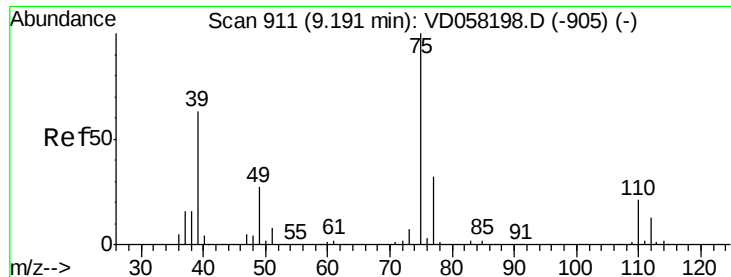
91 171.7 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

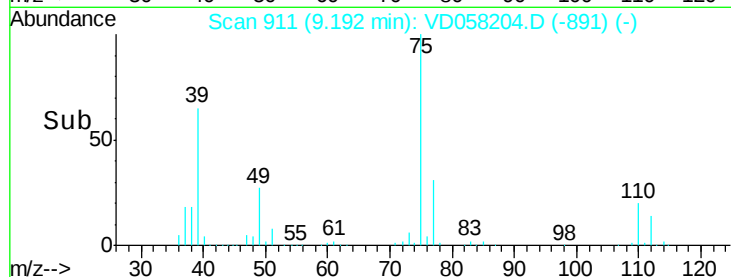
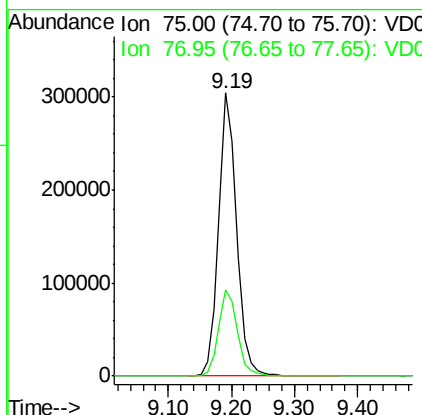
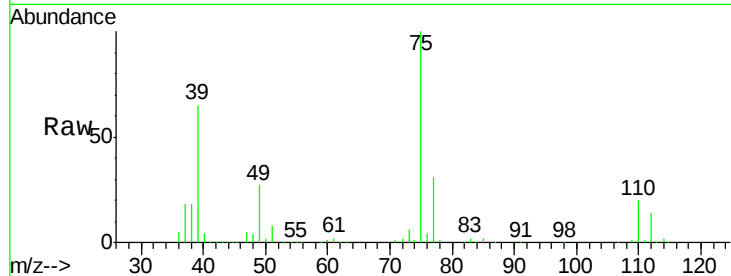




#53
 t-1,3-Dichloropropene
 Concen: 52.397 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

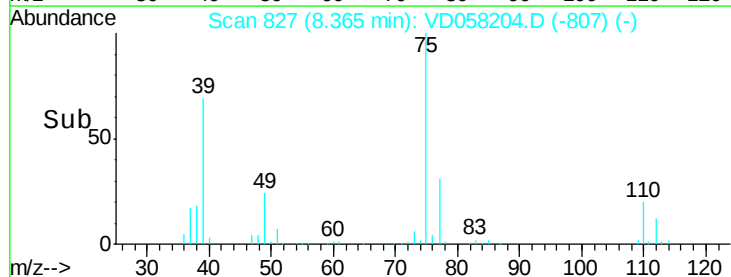
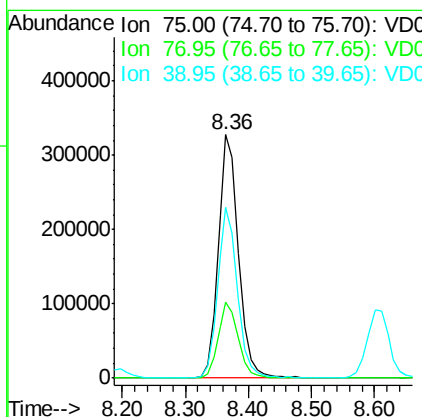
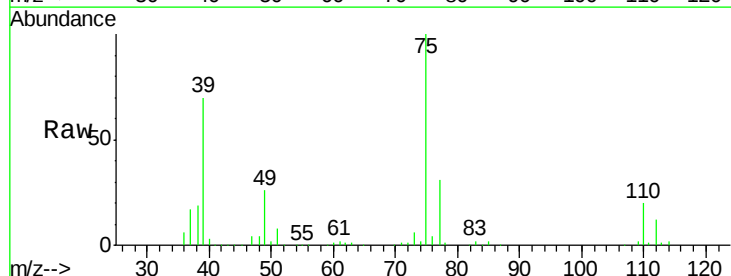
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

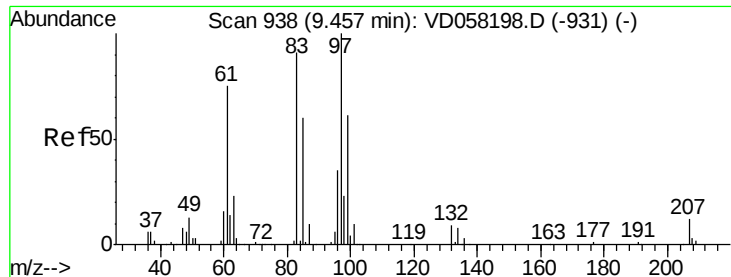
Tot Ion: 75 Resp: 620921
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 52.945 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion: 75 Resp: 735556
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.5 39.7
 39 69.9 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 48.973 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 320760

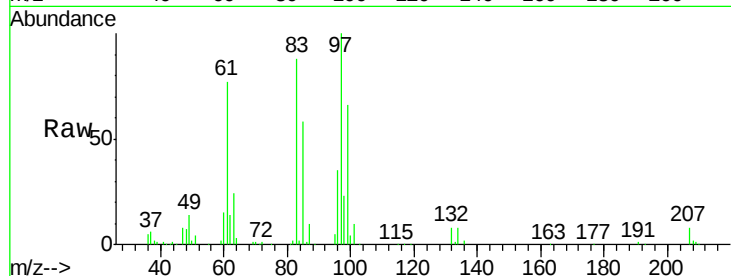
Ion Ratio Lower Upper

97 100

83 88.4 72.9 109.3

85 57.8 48.2 72.4

99 65.7 48.9 73.3

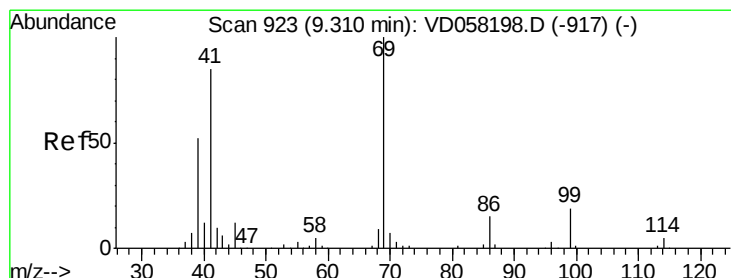
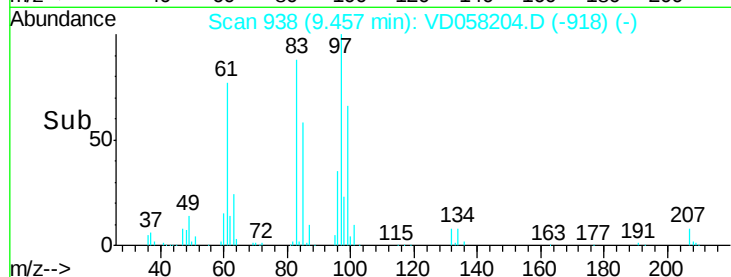
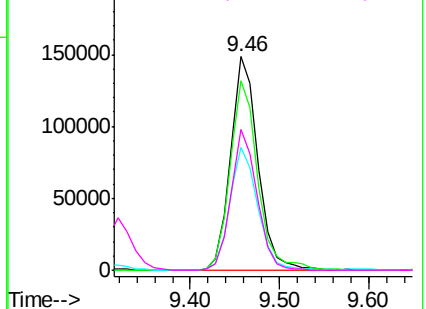


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 49.776 ug/l

RT: 9.32 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

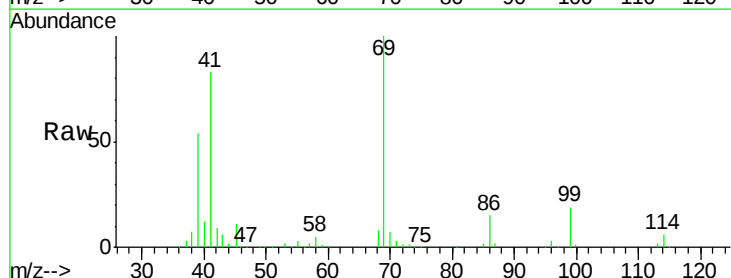
Tgt Ion: 69 Resp: 389898

Ion Ratio Lower Upper

69 100

41 83.1 67.6 101.4

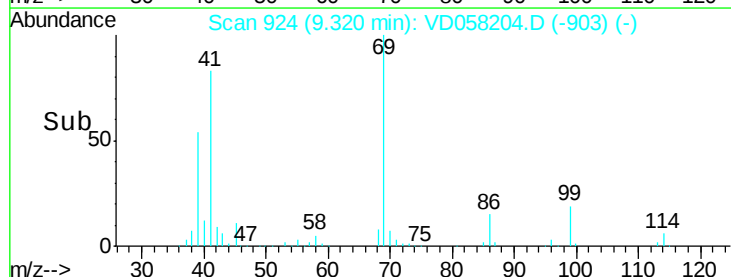
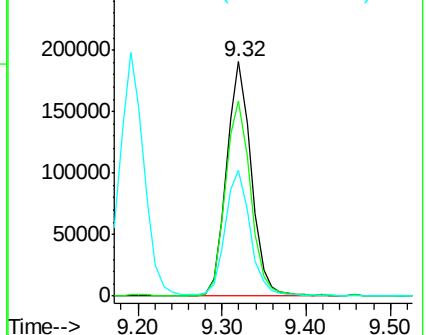
39 53.8 42.2 63.2

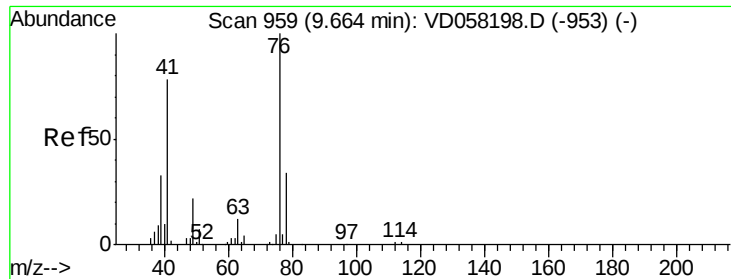


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 47.623 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

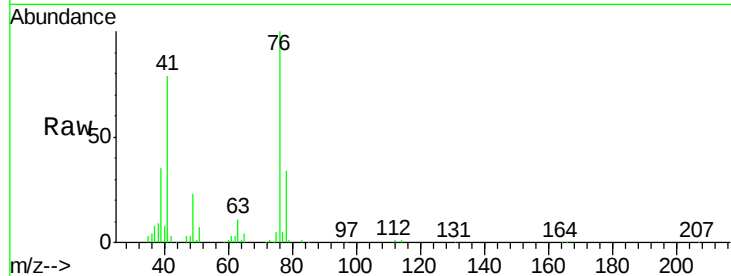
VSTDCCC050

Tot Ion: 76 Resp: 525415

Ion Ratio Lower Upper

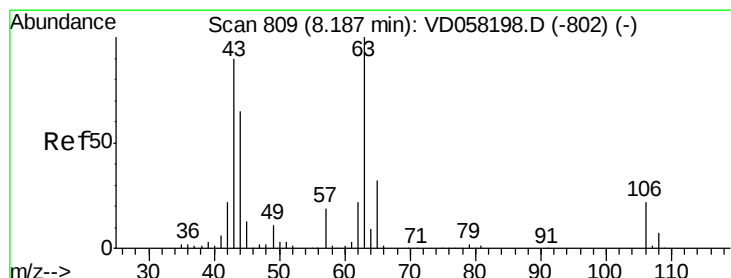
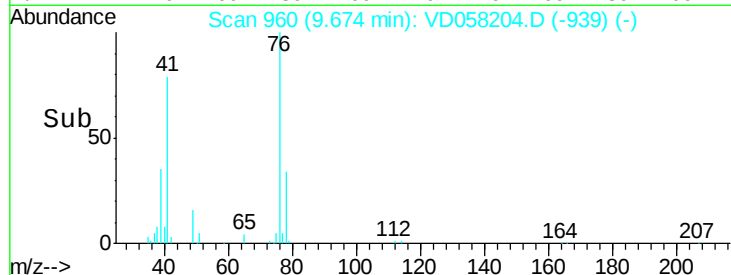
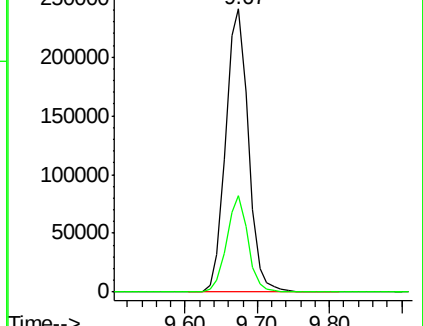
76 100

78 34.2 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 249.721 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058204.D

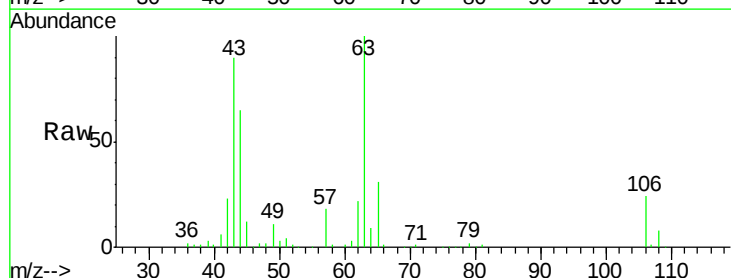
Acq: 20 Jun 2018 11:58

Tgt Ion: 63 Resp: 968362

Ion Ratio Lower Upper

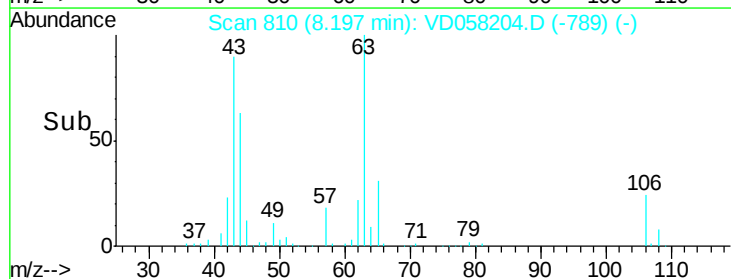
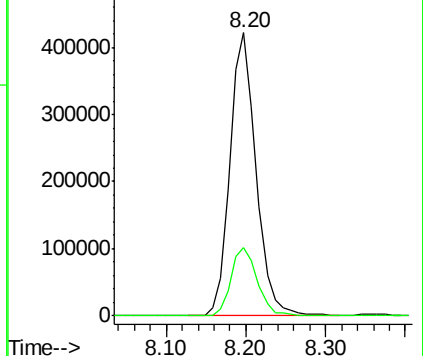
63 100

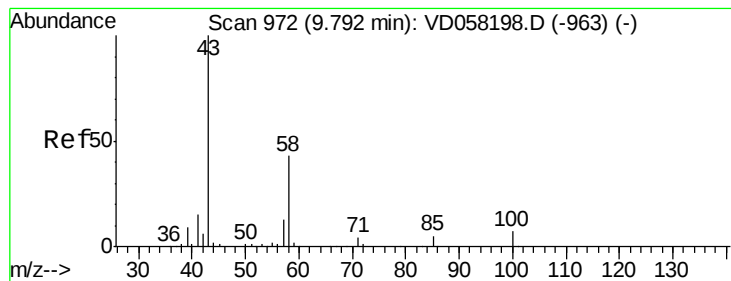
106 24.0 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 255.716 ug/l

RT: 9.79 min Scan# 972

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

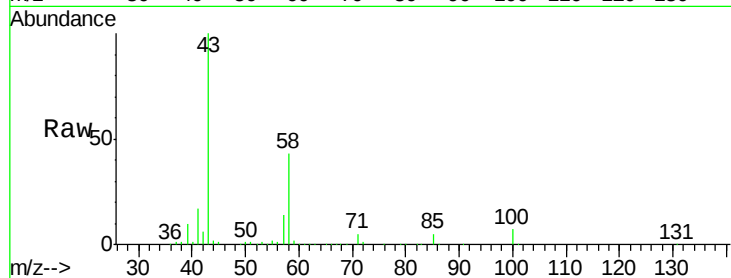
VSTDCCC050

Tot Ion: 43 Resp: 1249509

Ion Ratio Lower Upper

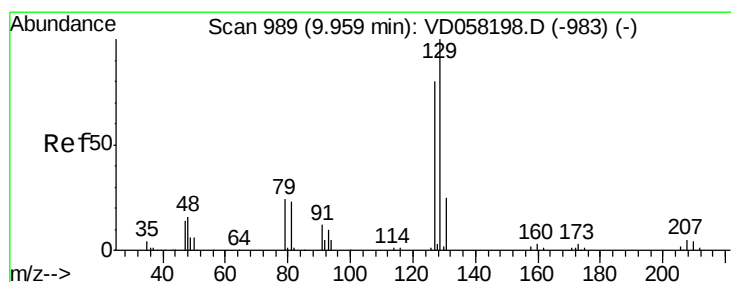
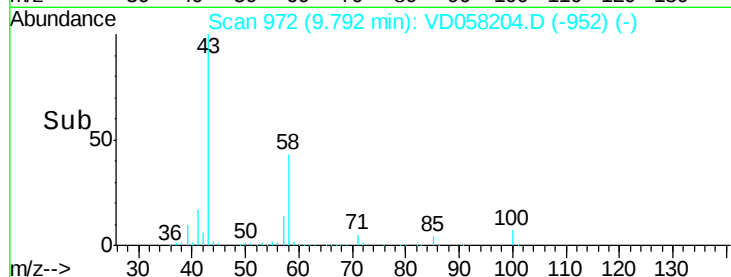
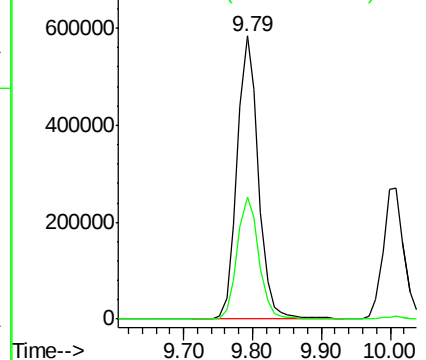
43 100

58 43.3 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 53.735 ug/l

RT: 9.97 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD058204.D

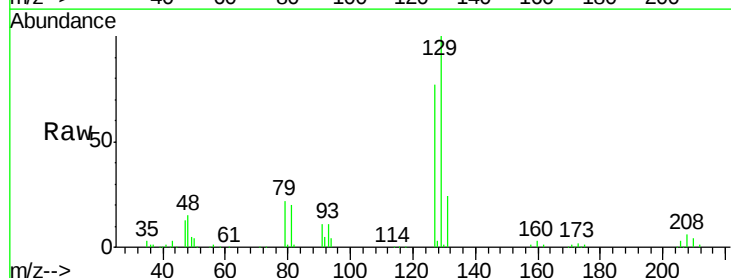
Acq: 20 Jun 2018 11:58

Tgt Ion:129 Resp: 477636

Ion Ratio Lower Upper

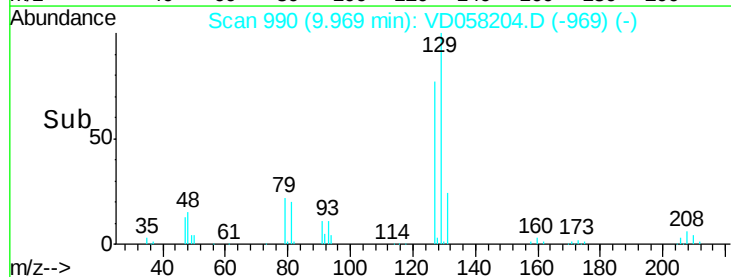
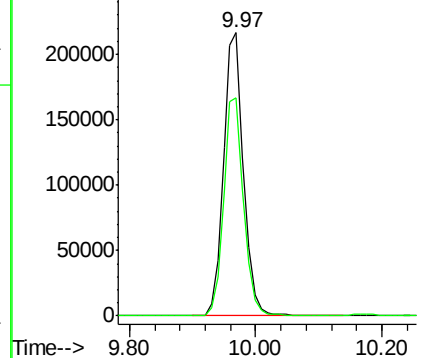
129 100

127 77.0 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

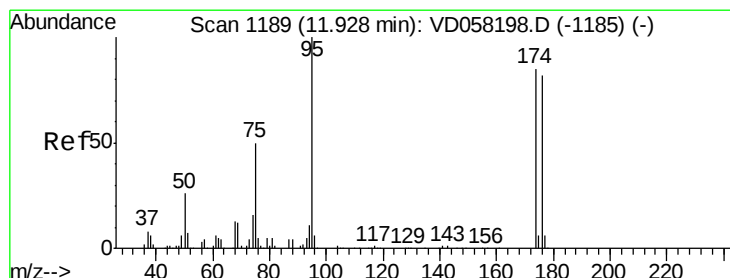
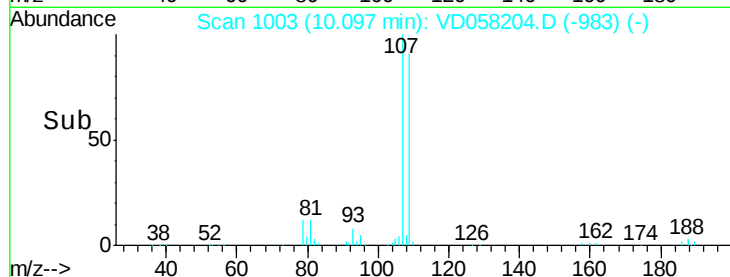
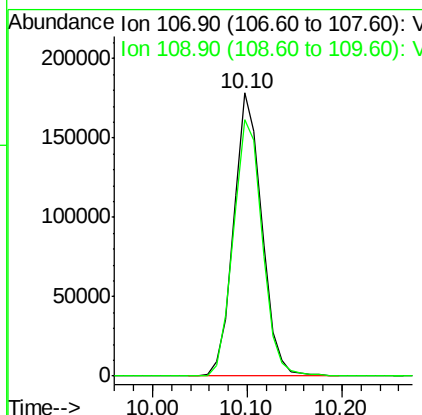
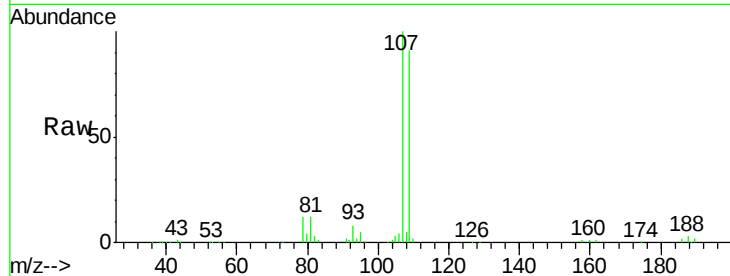




#61
1,2-Dibromoethane
Concen: 51.072 ug/l
RT: 10.10 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

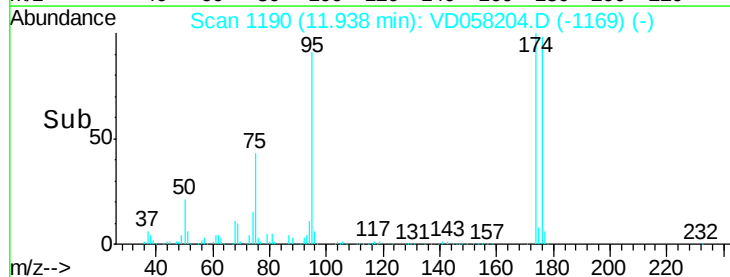
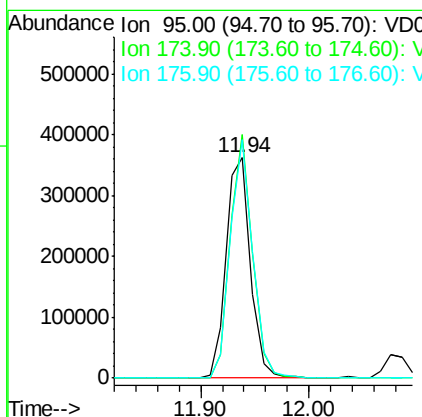
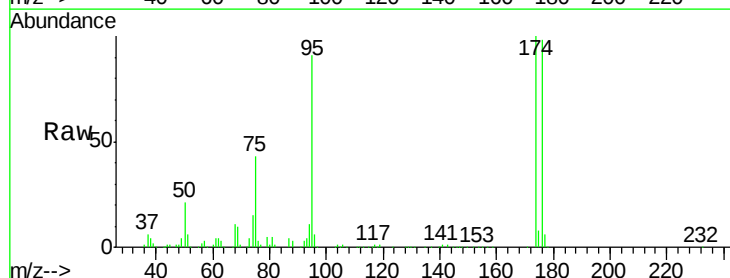
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

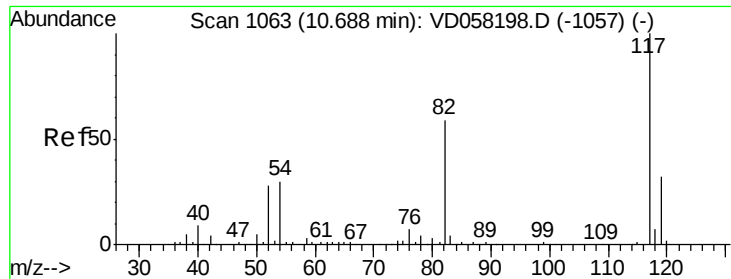
Tot Ion: 107 Resp: 366116
Ion Ratio Lower Upper
107 100
109 90.7 74.8 112.2



#62
4-Bromofluorobenzene
Concen: 51.072 ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion: 95 Resp: 566123
Ion Ratio Lower Upper
95 100
174 110.5 0.0 170.2
176 108.1 0.0 164.6

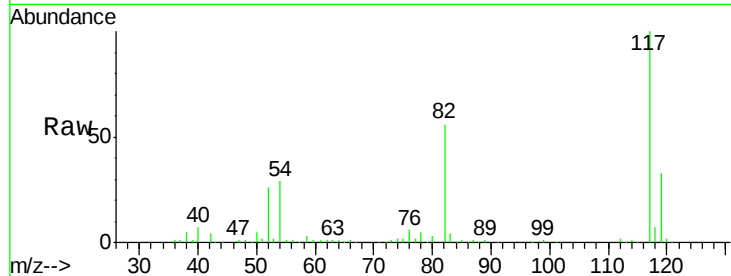




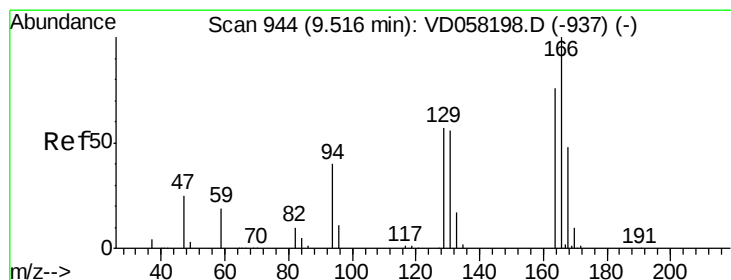
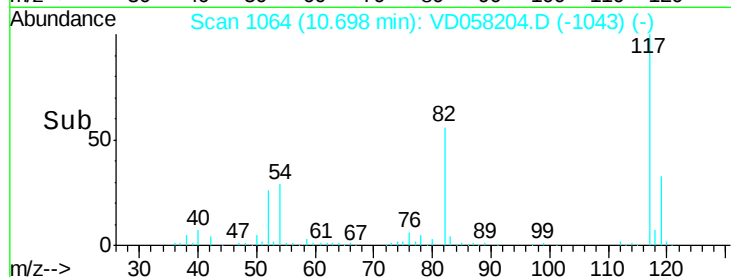
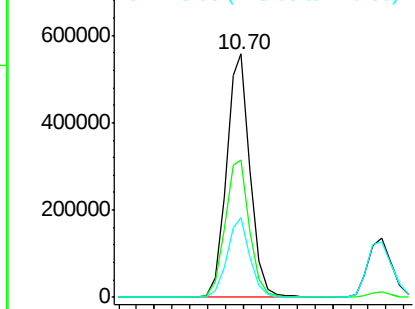
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1039083
Ion Ratio Lower Upper
117 100
82 56.5 47.0 70.6
119 33.0 25.3 37.9



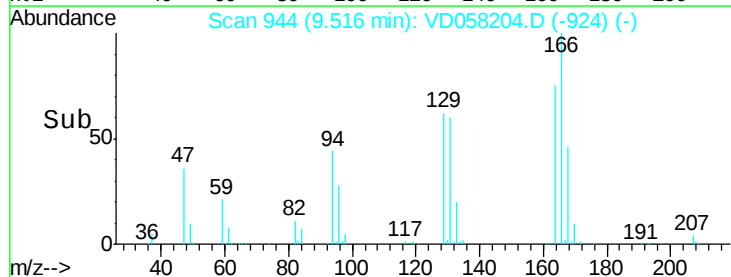
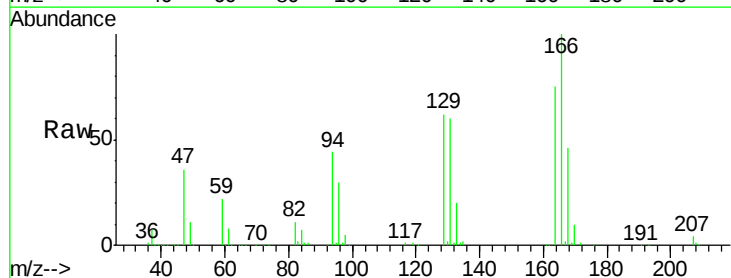
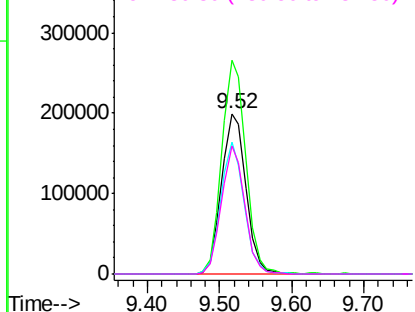
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

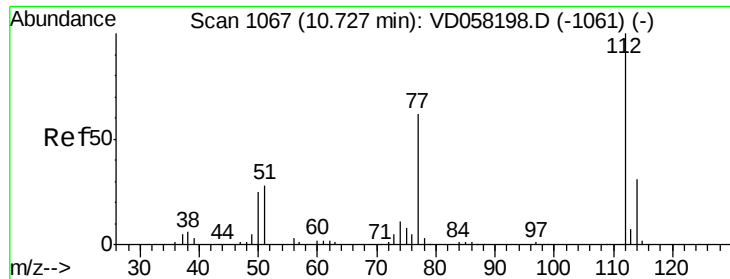


#64
Tetrachloroethene
Concen: 53.275 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion:164 Resp: 465786
Ion Ratio Lower Upper
164 100
166 133.4 105.4 158.0
129 82.4 59.6 89.4
131 80.4 59.4 89.2

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

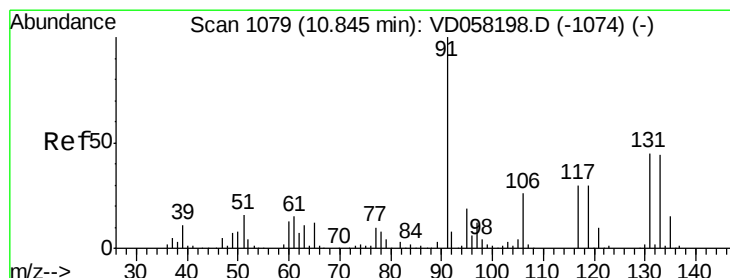
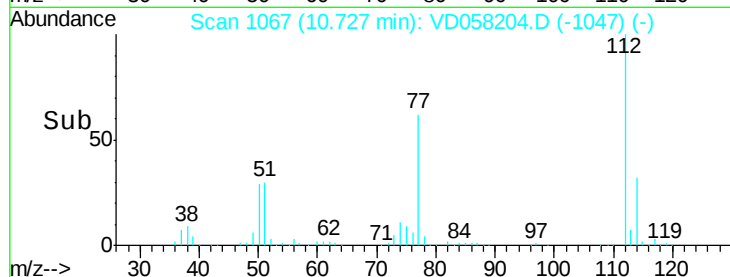
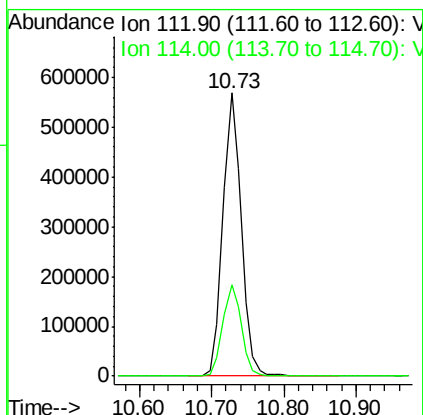
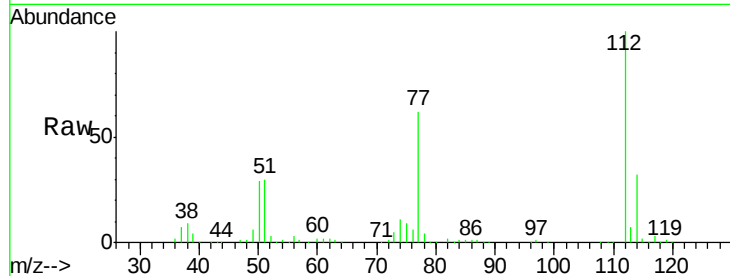




#65
Chlorobenzene
Concen: 51.568 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

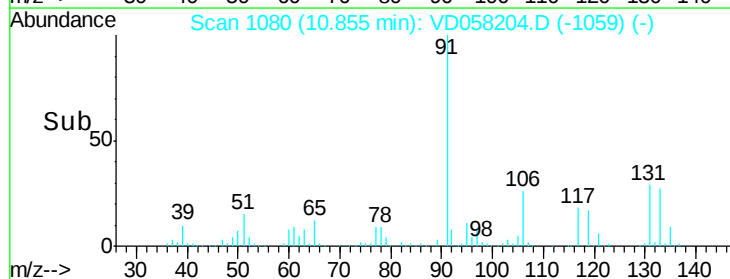
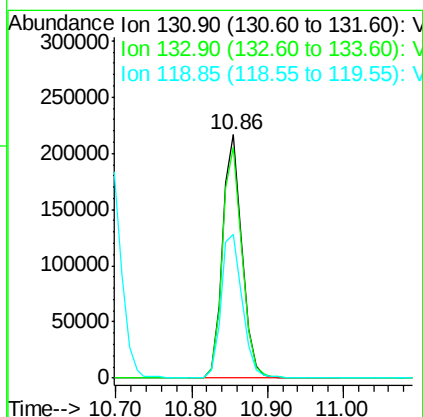
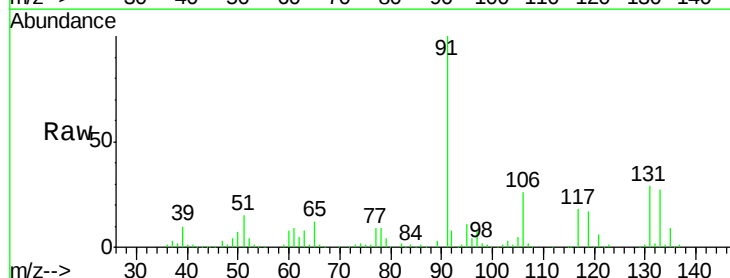
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1002309
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.355 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion:131 Resp: 385201
Ion Ratio Lower Upper
131 100
133 94.9 48.6 145.9
119 59.2 33.0 99.0

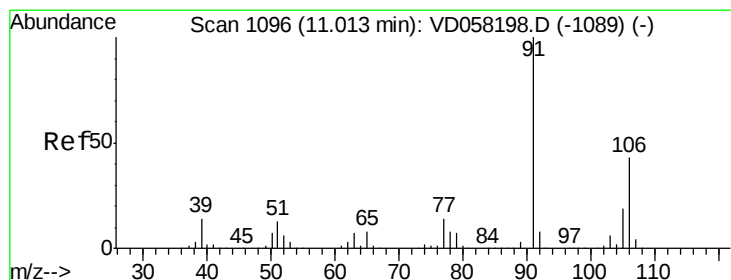
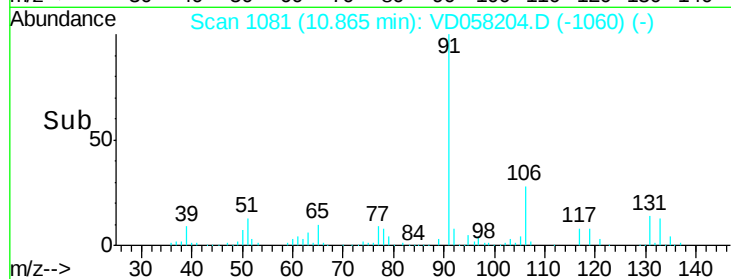
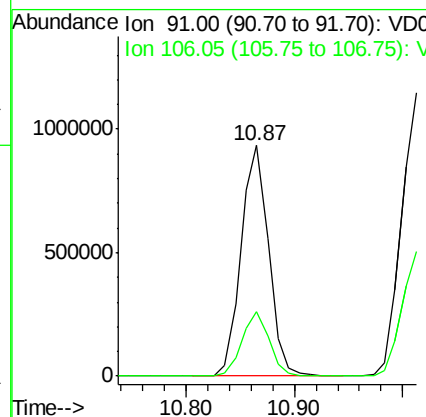
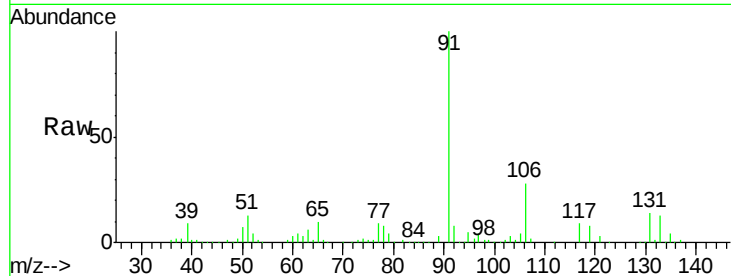




#67
Ethvl Benzene
Concen: 48.089 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

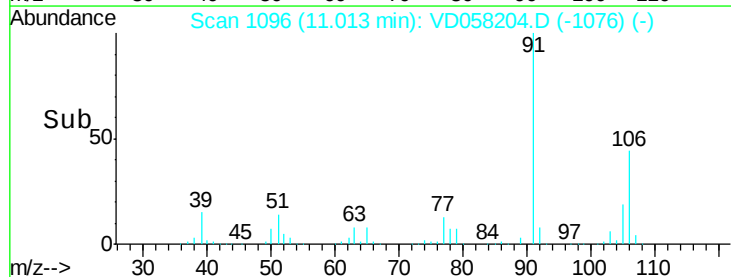
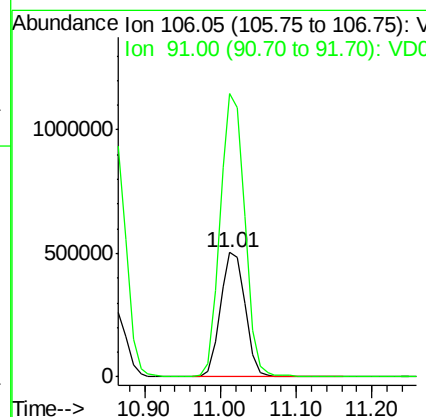
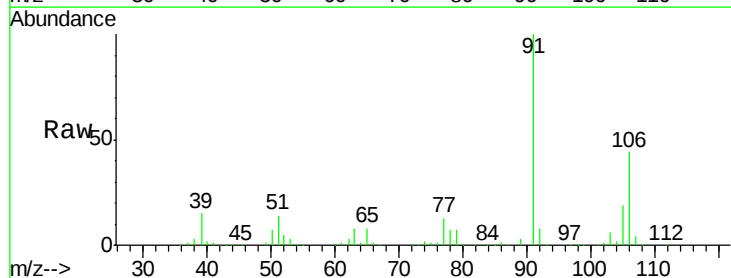
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

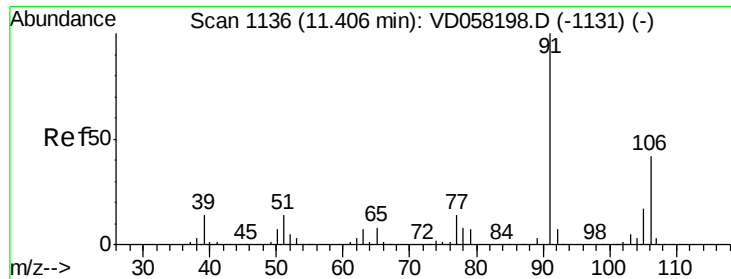
Tot Ion: 91 Resp: 1650146
Ion Ratio Lower Upper
91 100
106 28.1 22.0 33.0



#68
m/p-Xylenes
Concen: 100.175 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion:106 Resp: 1146301
Ion Ratio Lower Upper
106 100
91 227.8 185.0 277.6

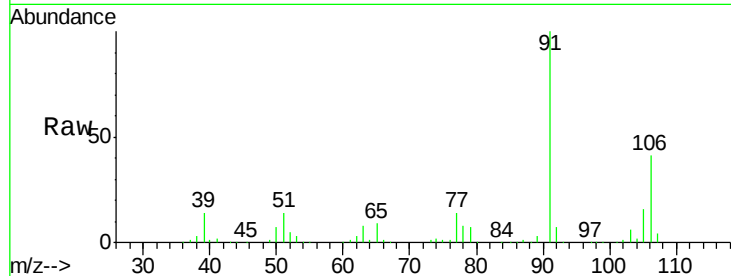




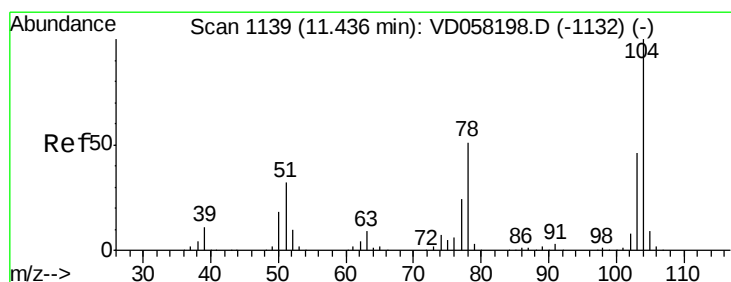
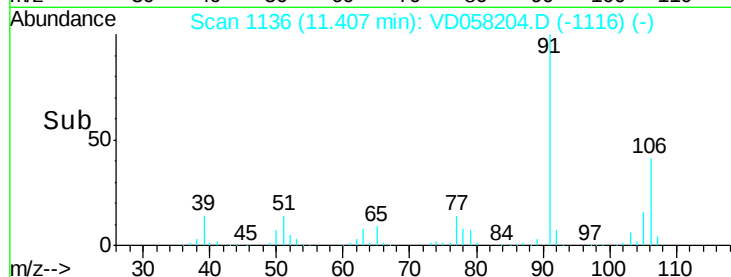
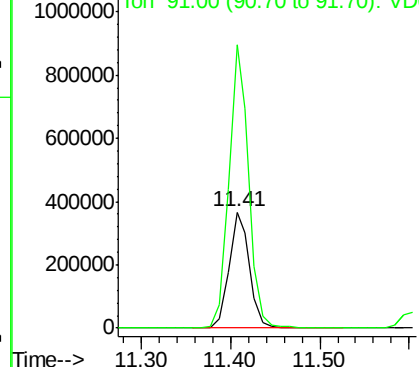
#69
o-Xylene
Concen: 54.147 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 591791
Ion Ratio Lower Upper
106 100
91 243.8 120.2 360.6

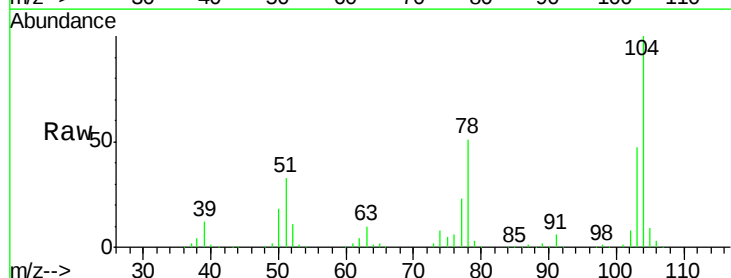


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

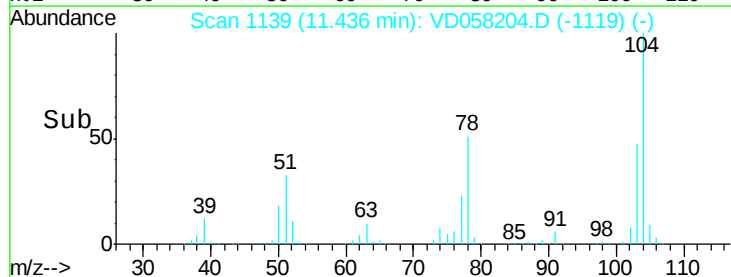
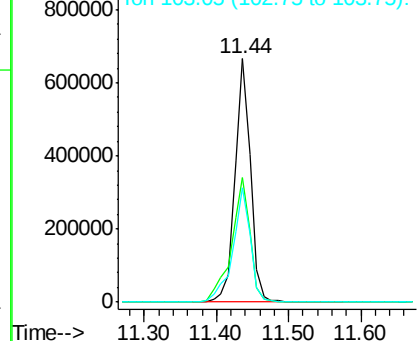


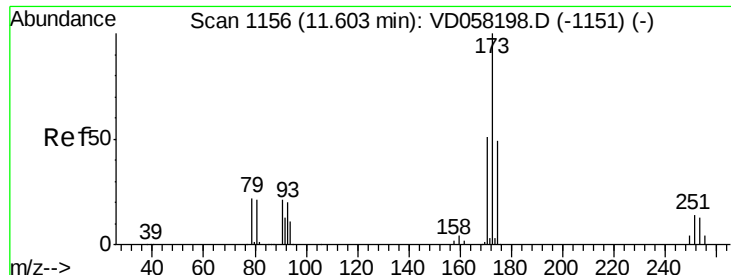
#70
Styrene
Concen: 53.471 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion:104 Resp: 997222
Ion Ratio Lower Upper
104 100
78 51.0 40.8 61.2
103 46.9 37.0 55.6



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

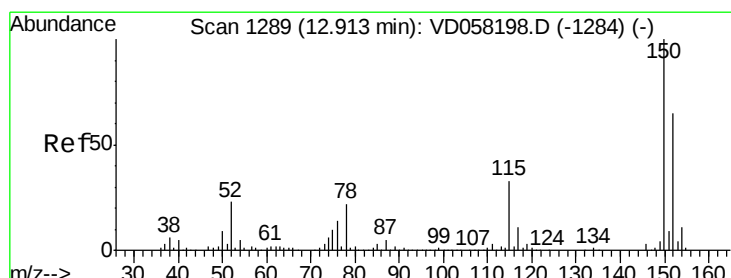
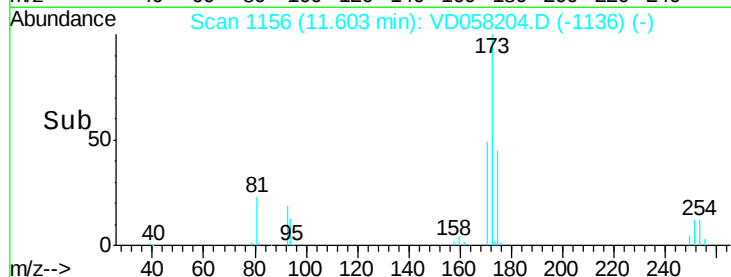
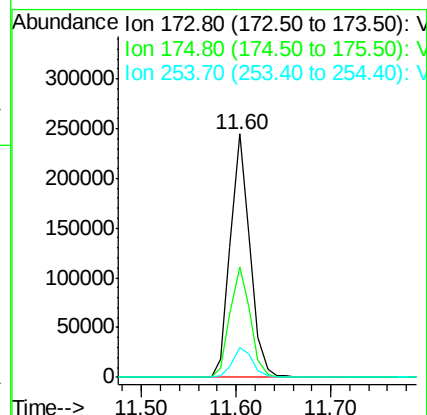
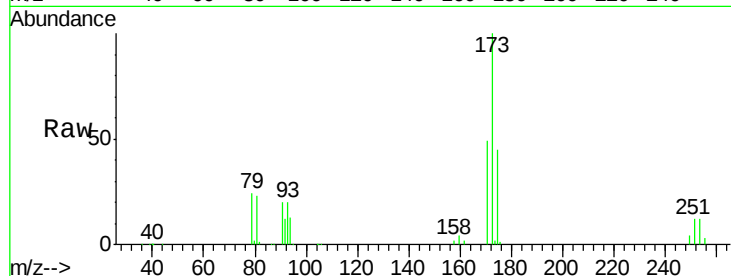




#71
Bromoform
Concen: 58.347 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

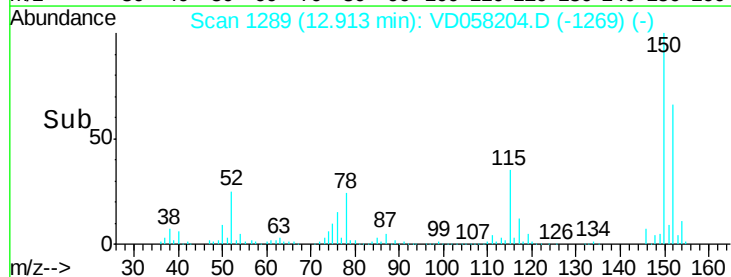
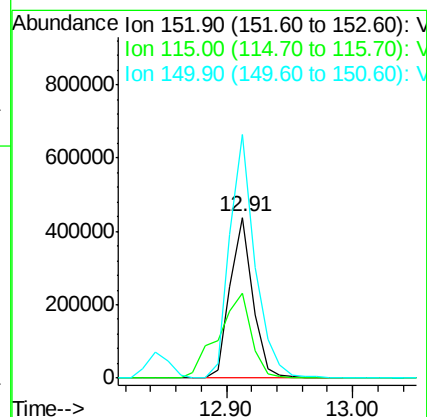
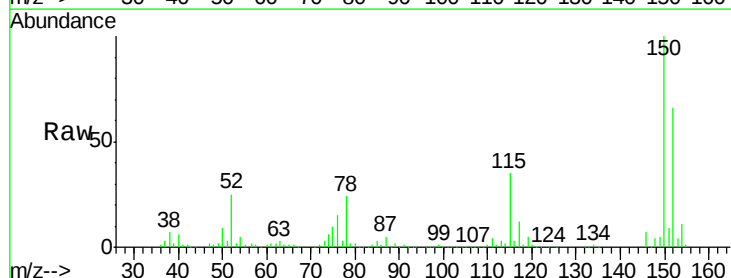
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

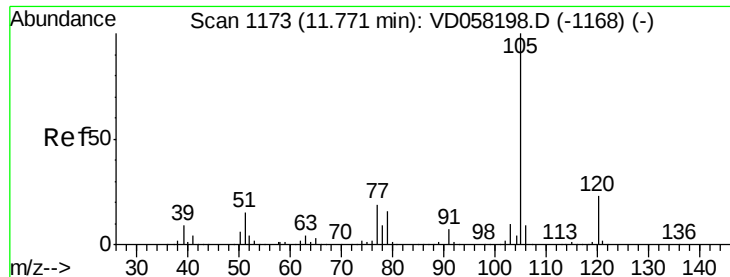
Tot Ion:173 Resp: 349122
Ion Ratio Lower Upper
173 100
175 45.5 24.6 74.0
254 12.0 10.3 15.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion:152 Resp: 543404
Ion Ratio Lower Upper
152 100
115 52.9 25.1 75.3
150 151.6 0.0 308.8





#73

Isopropylbenzene

Concen: 51.740 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

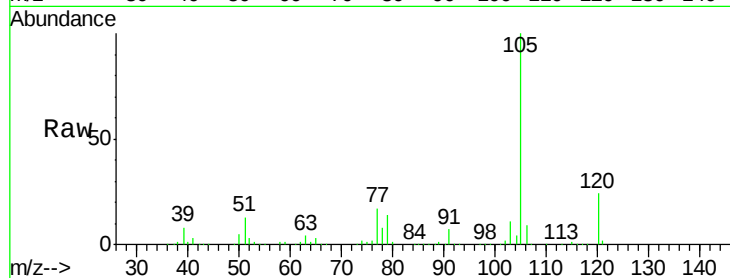
VSTDCCC050

Tot Ion:105 Resp: 1681741

Ion Ratio Lower Upper

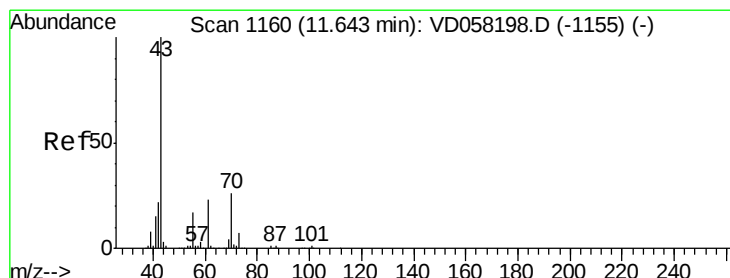
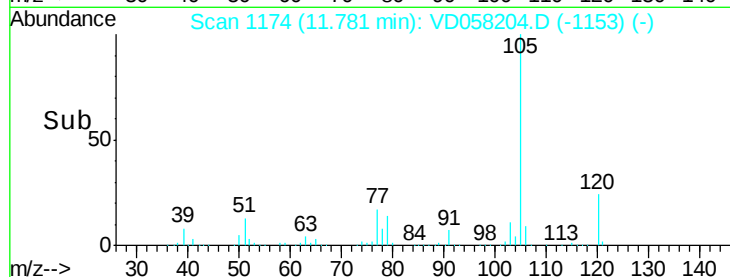
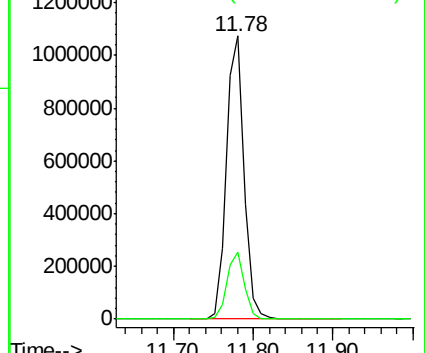
105 100

120 23.8 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.240 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Tgt Ion: 43 Resp: 631405

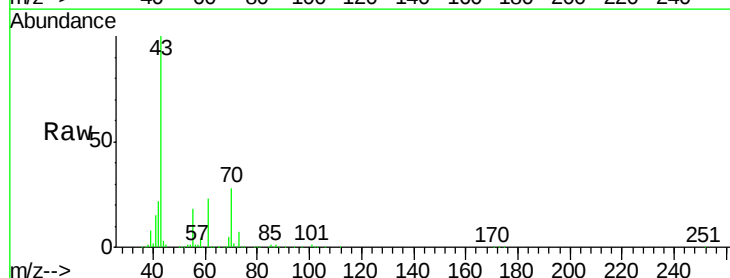
Ion Ratio Lower Upper

43 100

70 28.2 20.9 31.3

55 18.1 13.5 20.3

61 23.2 18.2 27.2

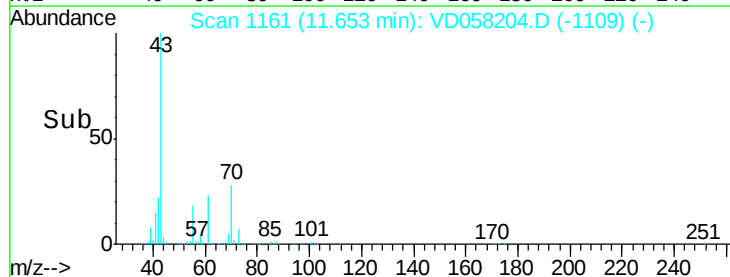
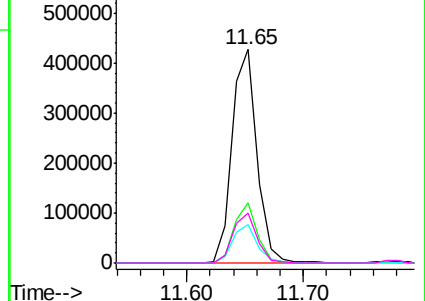


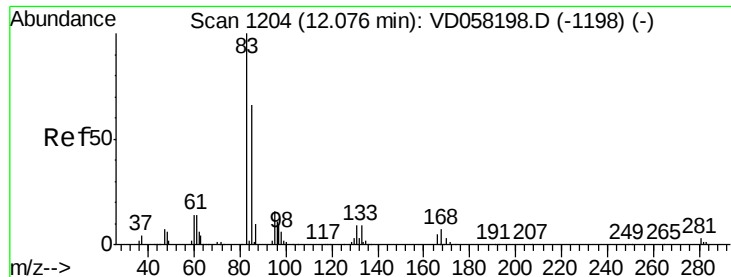
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 48.678 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

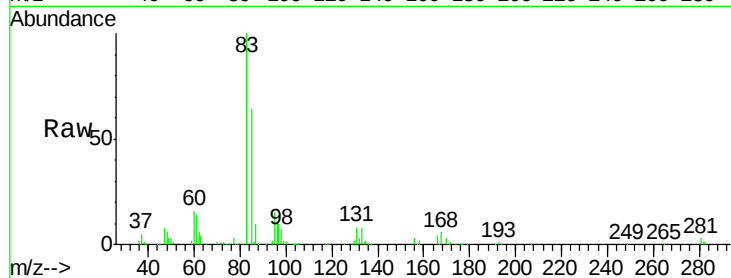
Tot Ion: 83 Resp: 368201

Ion Ratio Lower Upper

83 100

131 8.2 4.8 14.3

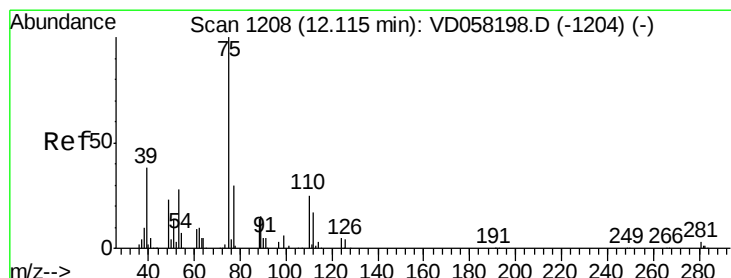
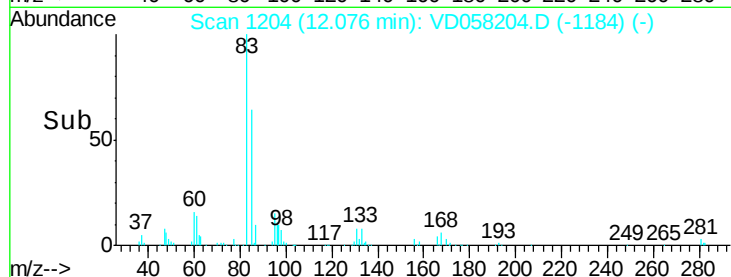
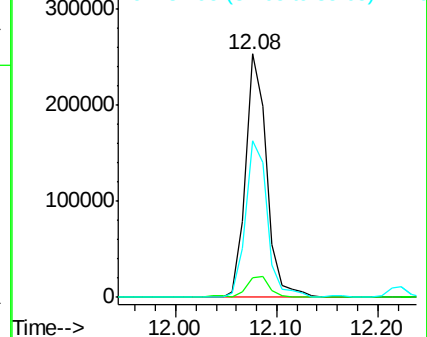
85 64.2 33.1 99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 48.691 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058204.D

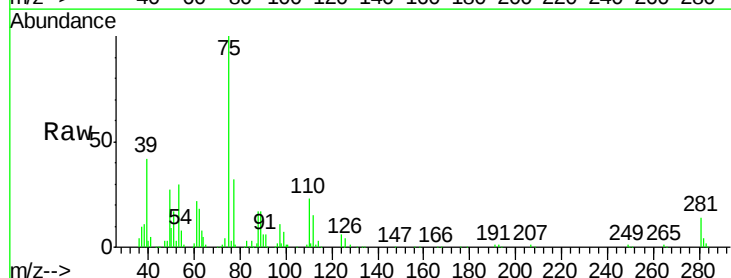
Acq: 20 Jun 2018 11:58

Tgt Ion: 75 Resp: 386304

Ion Ratio Lower Upper

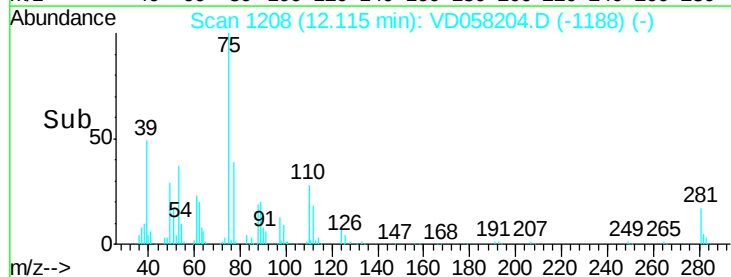
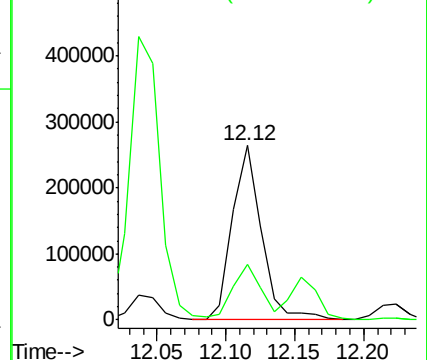
75 100

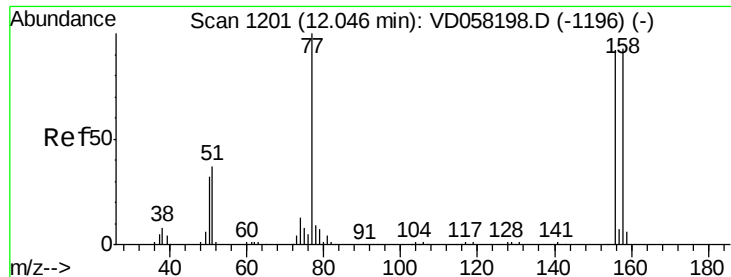
77 32.1 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.277 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

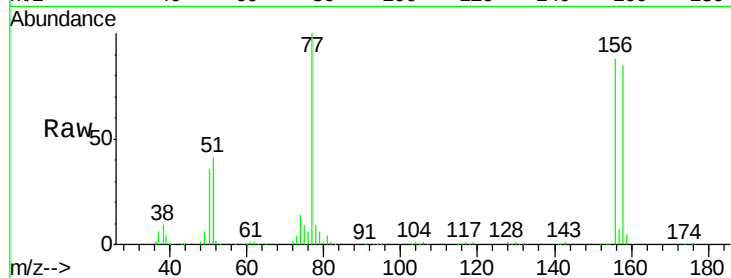
Tot Ion:156 Resp: 499089

Ion Ratio Lower Upper

156 100

77 113.0 54.5 163.6

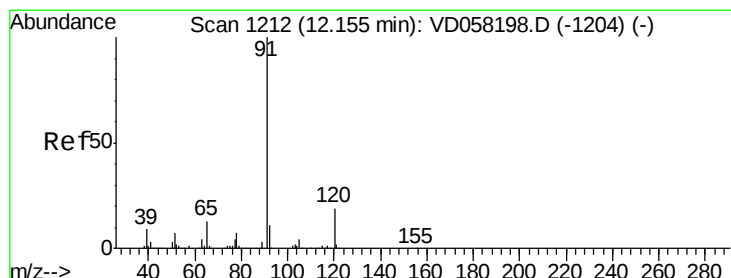
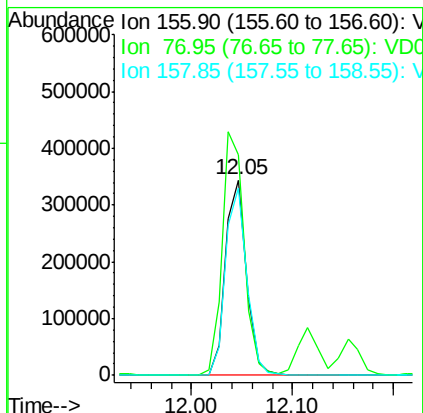
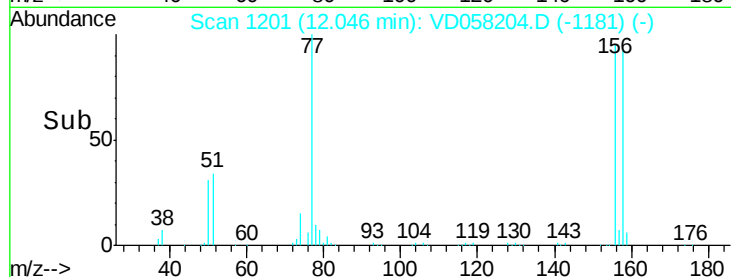
158 96.2 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.666 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058204.D

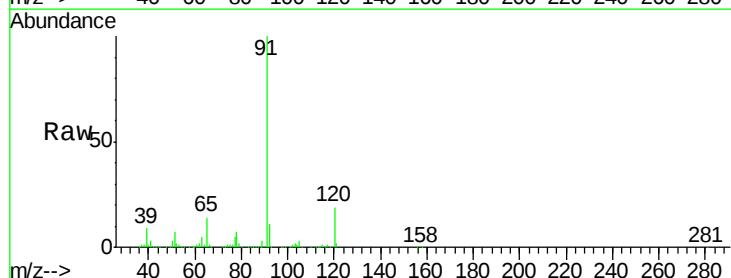
Acq: 20 Jun 2018 11:58

Tgt Ion: 91 Resp: 2084730

Ion Ratio Lower Upper

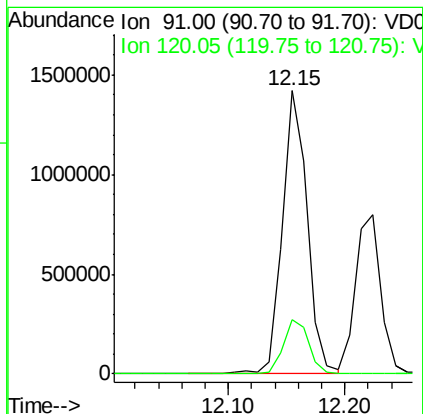
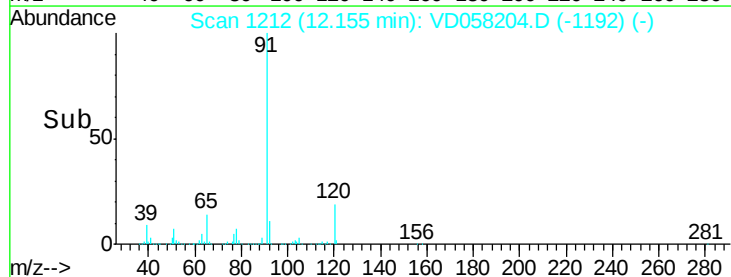
91 100

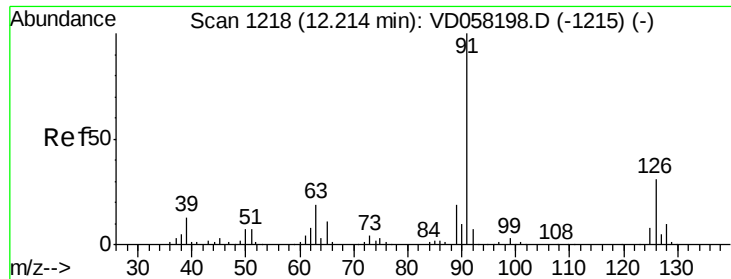
120 19.1 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

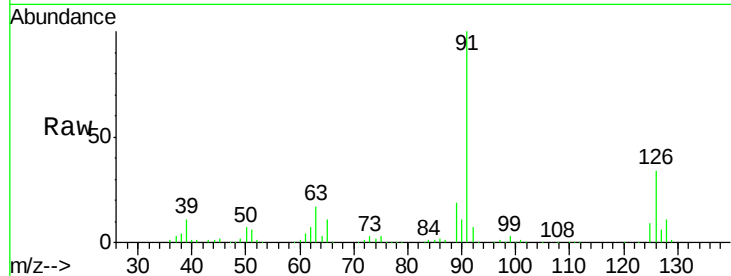




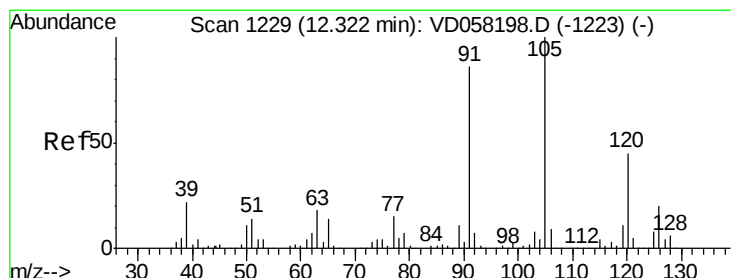
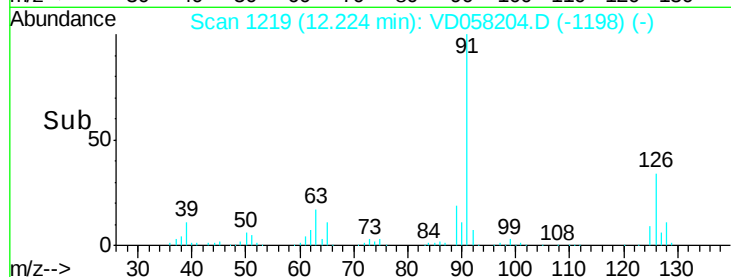
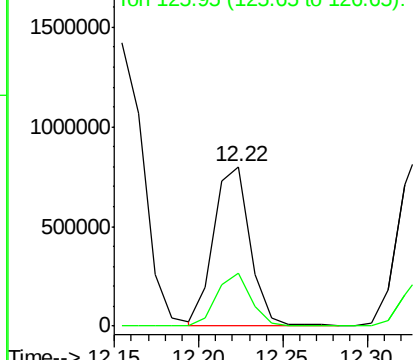
#79
 2-Chlorotoluene
 Concen: 49.443 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1187612
 Ion Ratio Lower Upper
 91 100
 126 33.5 14.9 44.5

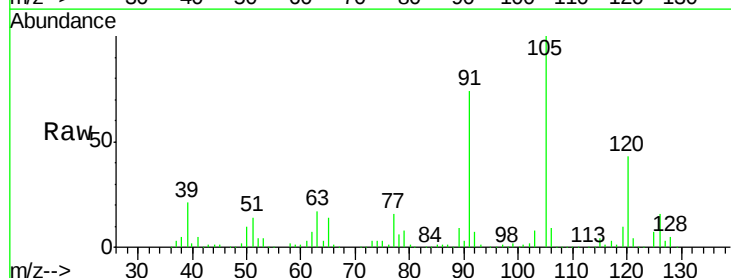


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

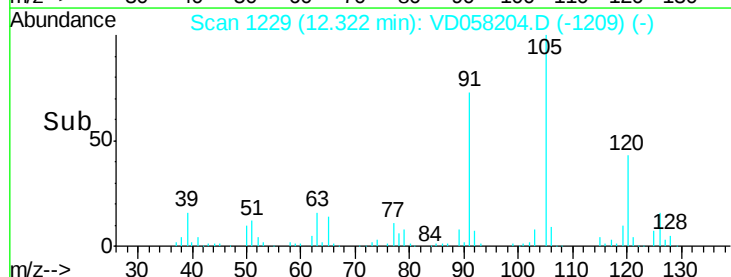
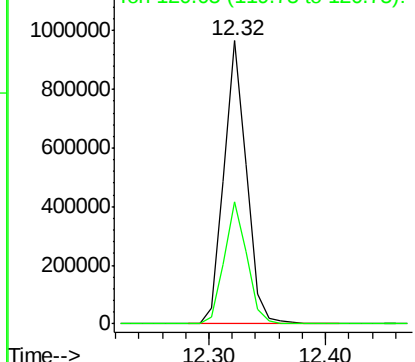


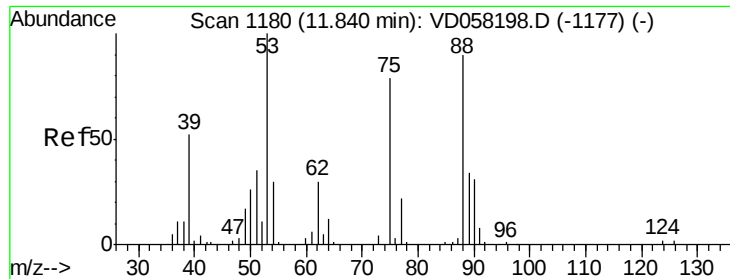
#80
 1,3,5-Trimethylbenzene
 Concen: 50.918 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion: 105 Resp: 1290864
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.5 67.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 56.376 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

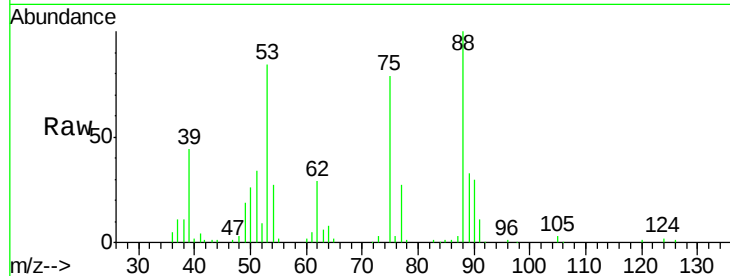
Tot Ion: 75 Resp: 109089

Ion Ratio Lower Upper

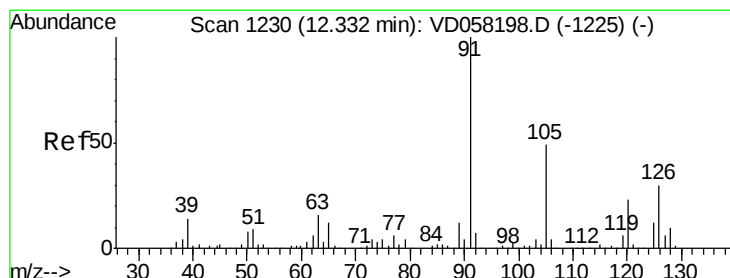
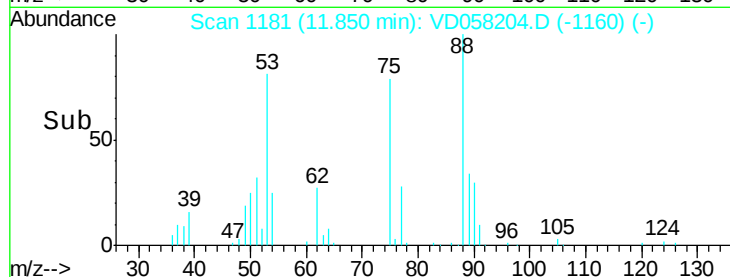
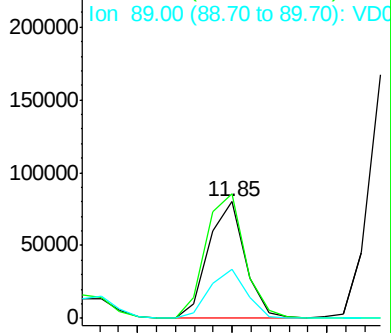
75 100

53 106.7 100.8 151.2

89 42.5 34.6 52.0



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: 57.826 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058204.D

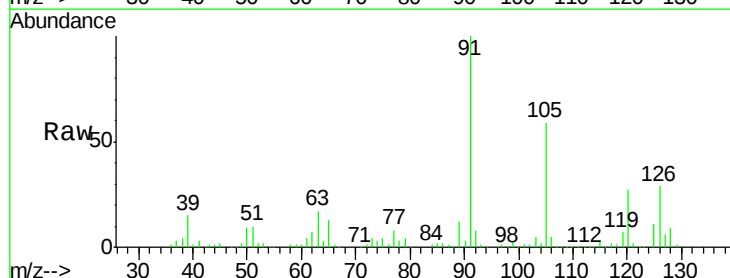
Acq: 20 Jun 2018 11:58

Tgt Ion: 91 Resp: 1333707

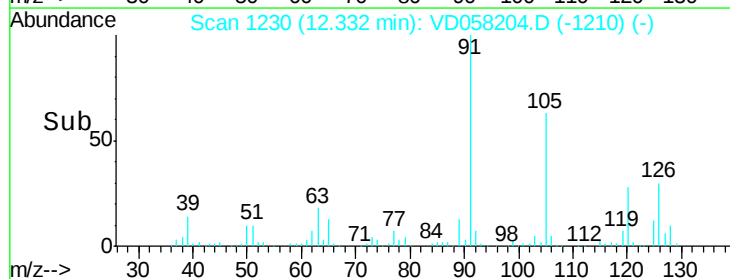
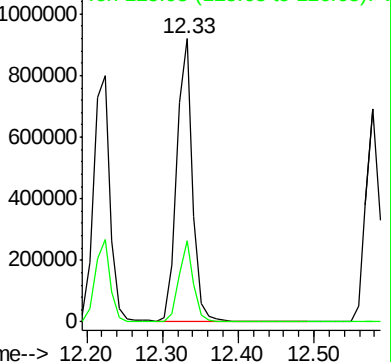
Ion Ratio Lower Upper

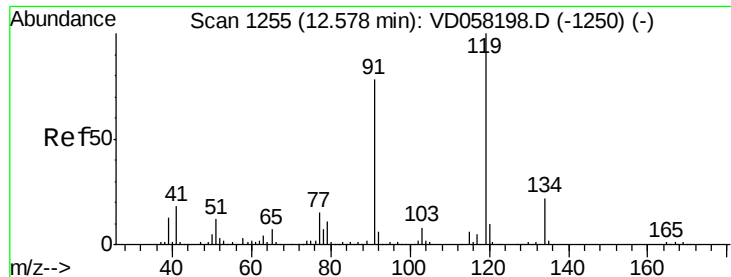
91 100

126 28.6 14.9 44.9



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





#83

tert-Butylbenzene

Concen: 53.102 ug/l

RT: 12.58 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

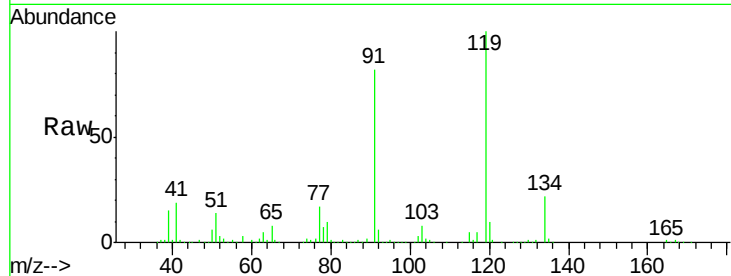
Tot Ion:119 Resp: 1547746

Ion Ratio Lower Upper

119 100

91 82.3 38.9 116.6

134 22.0 11.2 33.5



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

12.58

800000

600000

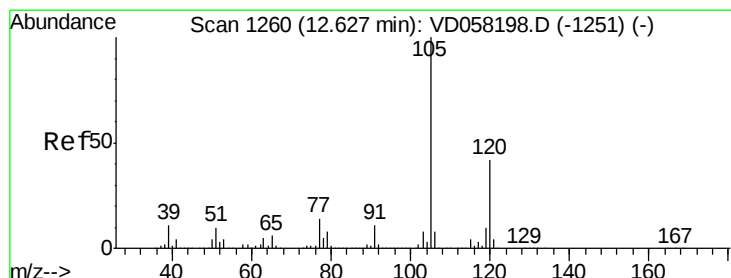
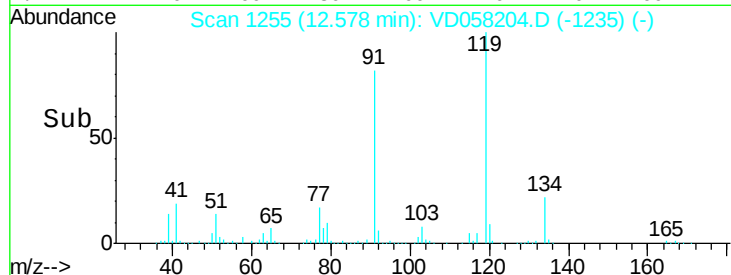
400000

200000

0

Time-->

12.50 12.60 12.70



#84

1,2,4-Trimethylbenzene

Concen: 52.861 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD058204.D

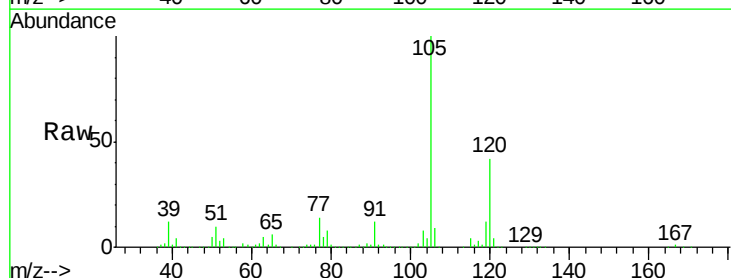
Acq: 20 Jun 2018 11:58

Tgt Ion:105 Resp: 1456713

Ion Ratio Lower Upper

105 100

120 41.5 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.63

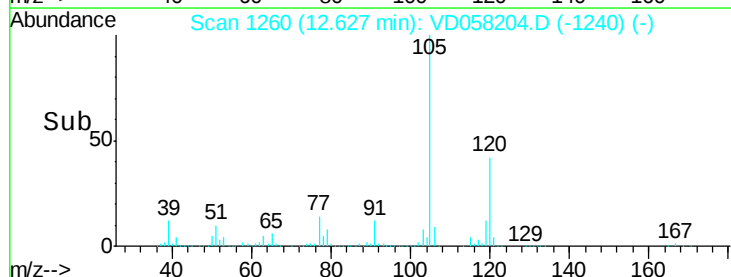
1000000

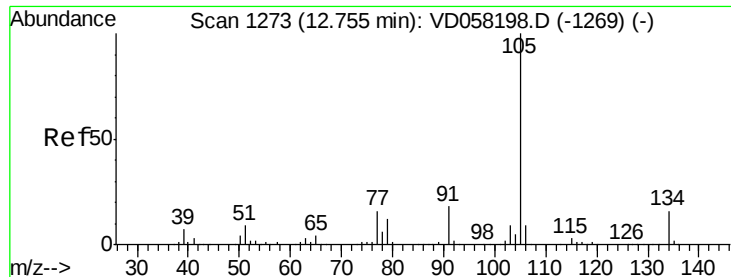
500000

0

Time-->

12.50 12.60 12.70





#85

sec-Butylbenzene

Concen: 53.927 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

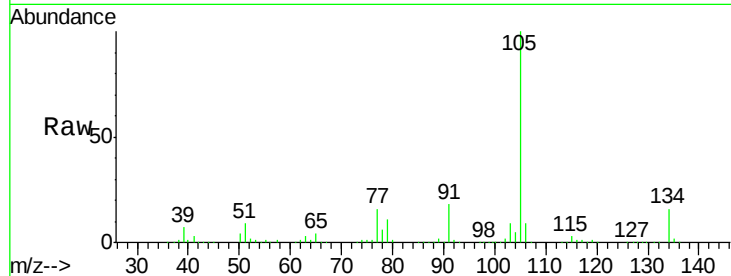
VSTDCCC050

Tot Ion:105 Resp: 1842372

Ion Ratio Lower Upper

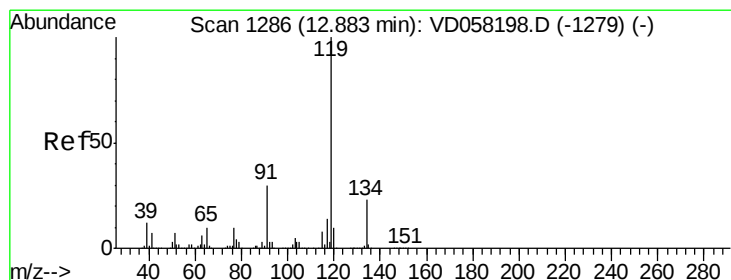
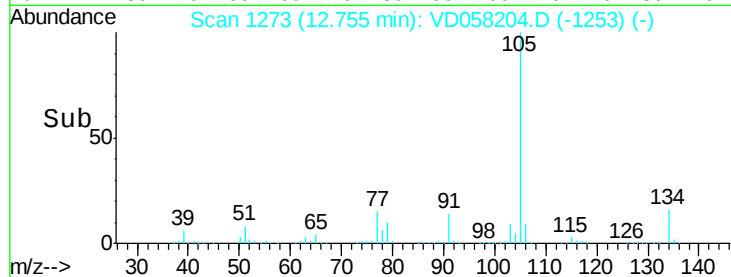
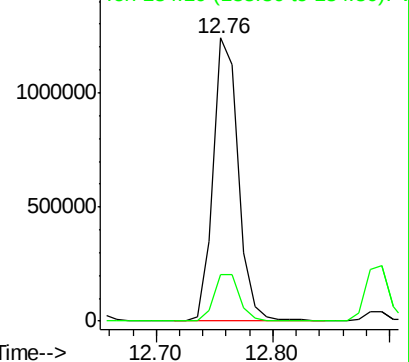
105 100

134 16.4 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 53.354 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

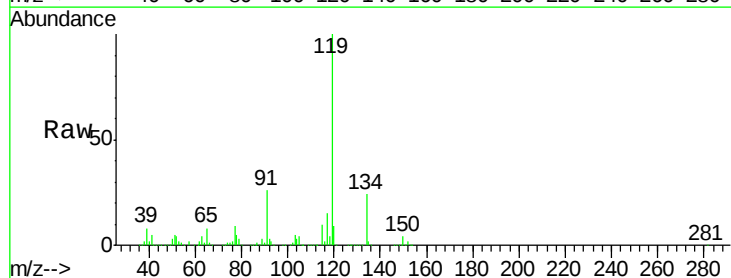
Tgt Ion:119 Resp: 1477132

Ion Ratio Lower Upper

119 100

134 24.5 11.6 34.8

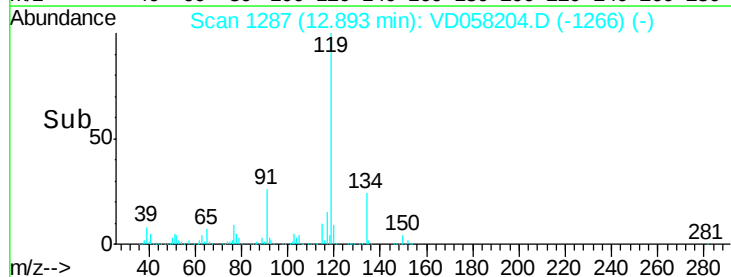
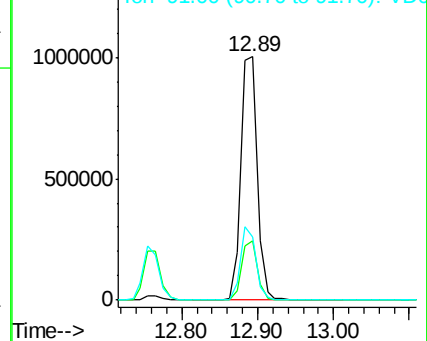
91 25.7 15.0 45.1

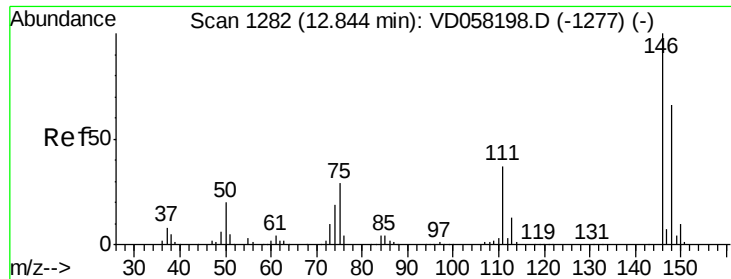


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

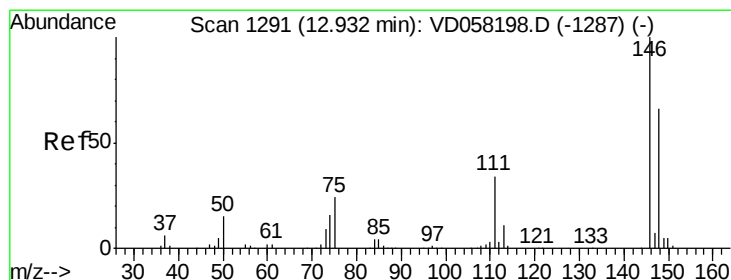
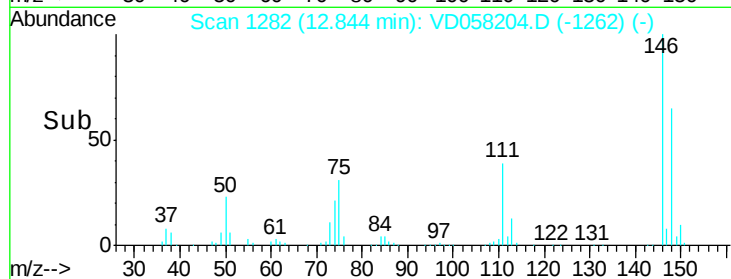
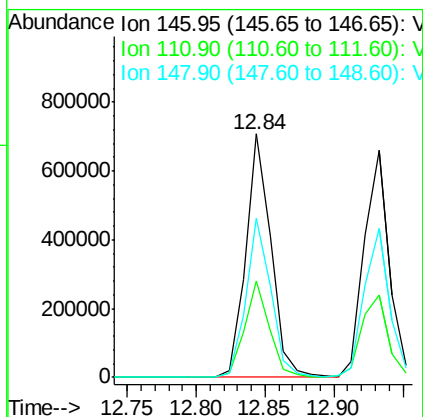
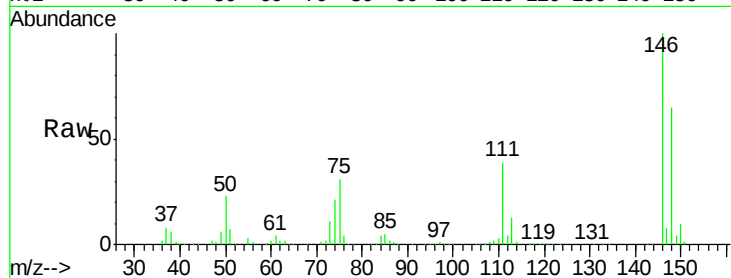




#87
 1,3-Dichlorobenzene
 Concen: 53.519 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

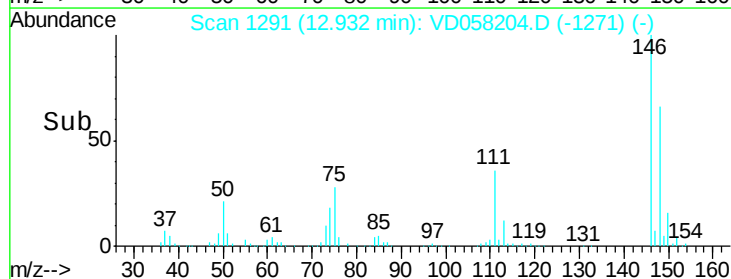
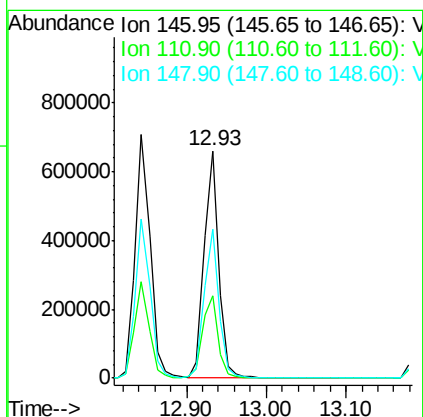
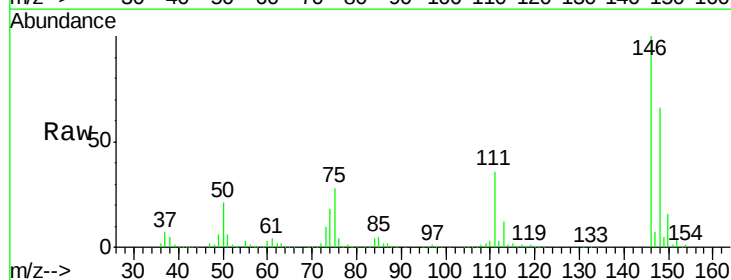
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

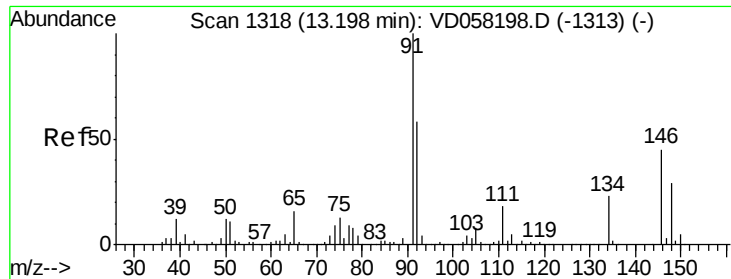
Tot Ion:146 Resp: 905388
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.4 55.0
 148 65.5 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 50.957 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion:146 Resp: 841808
 Ion Ratio Lower Upper
 146 100
 111 36.3 17.2 51.5
 148 65.5 33.1 99.3

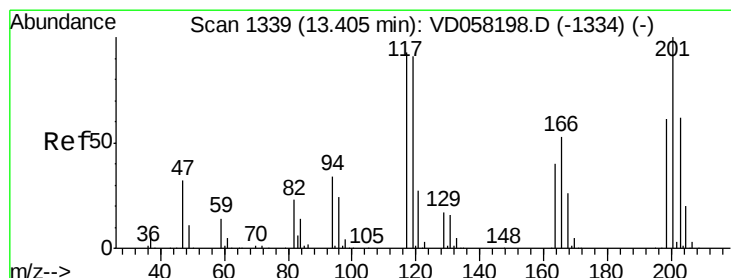
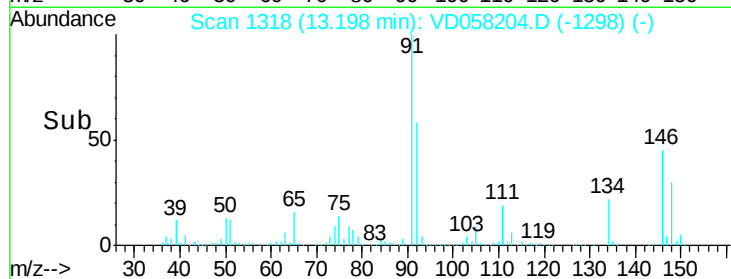
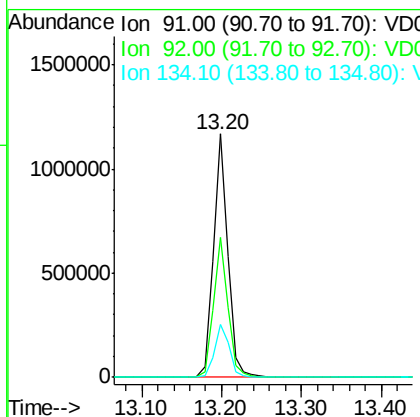
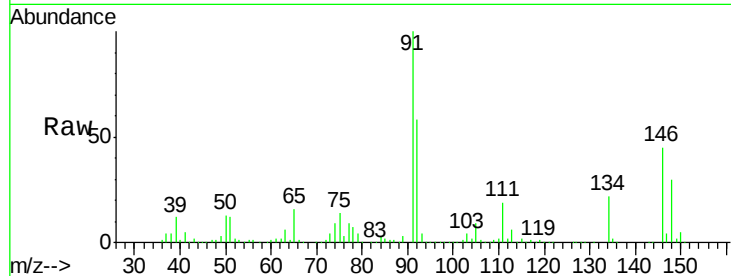




#89
n-Butylbenzene
Concen: 50.993 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

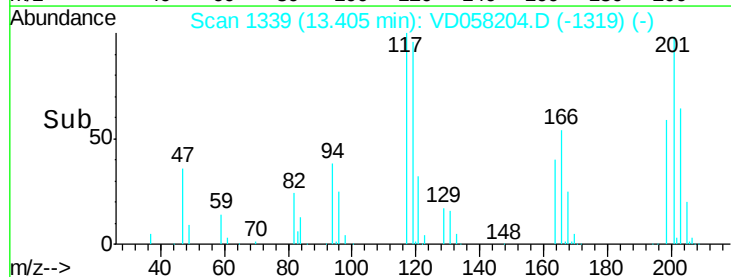
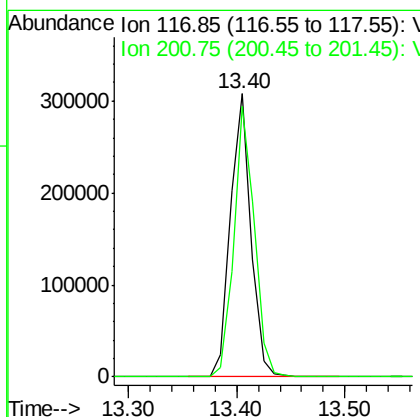
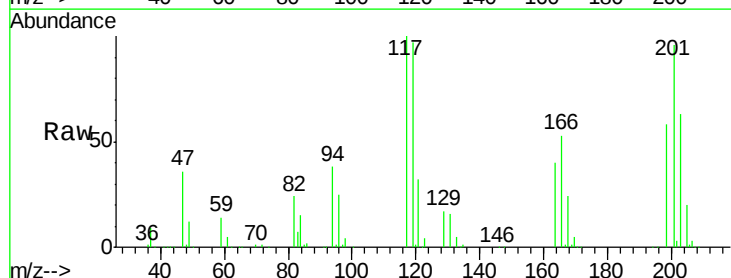
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

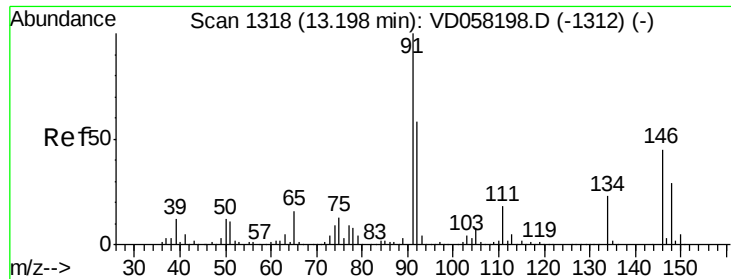
Tot Ion: 91 Resp: 1483752
Ion Ratio Lower Upper
91 100
92 57.5 29.2 87.6
134 21.8 11.3 33.8



#90
Hexachloroethane
Concen: 56.416 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion: 117 Resp: 405402
Ion Ratio Lower Upper
117 100
201 95.7 53.8 161.4

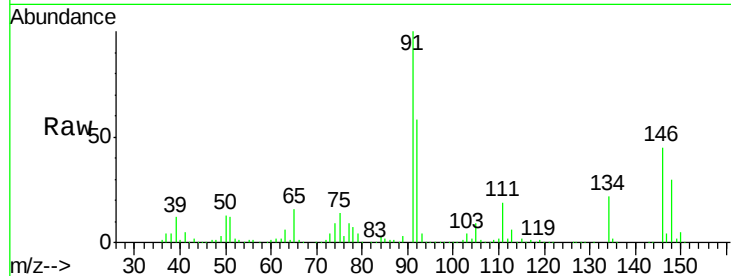




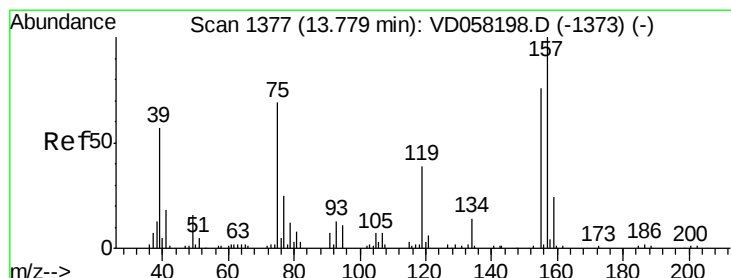
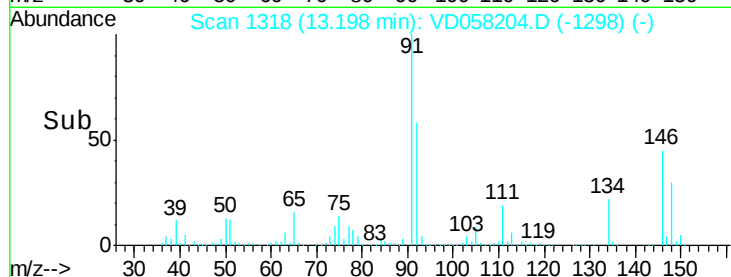
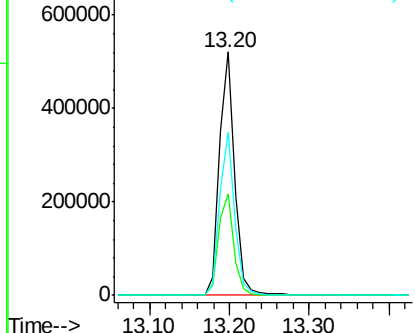
#91
 1,2-Dichlorobenzene
 Concen: 48.921 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 704281
 Ion Ratio Lower Upper
 146 100
 111 41.6 19.6 58.7
 148 66.8 32.0 96.2

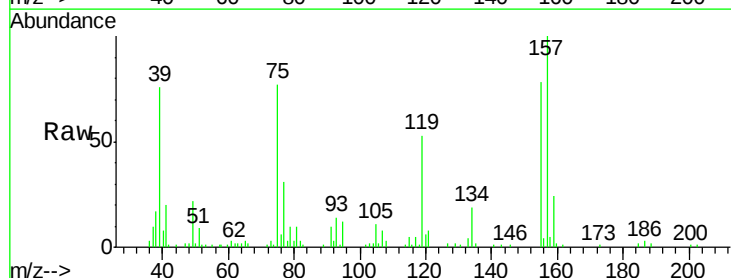


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

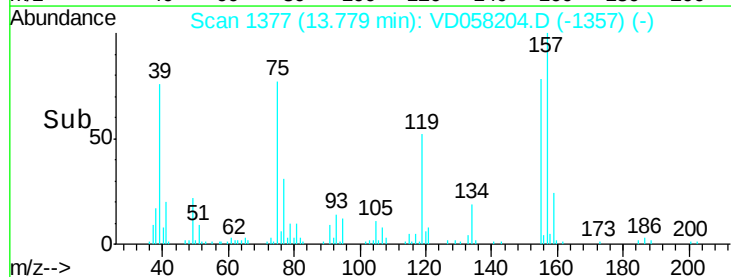
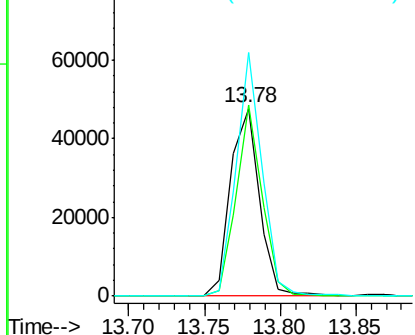


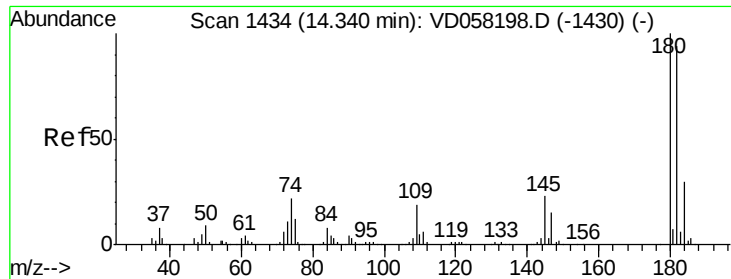
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.602 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion: 75 Resp: 63322
 Ion Ratio Lower Upper
 75 100
 155 101.7 54.5 163.5
 157 129.6 72.0 215.9



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

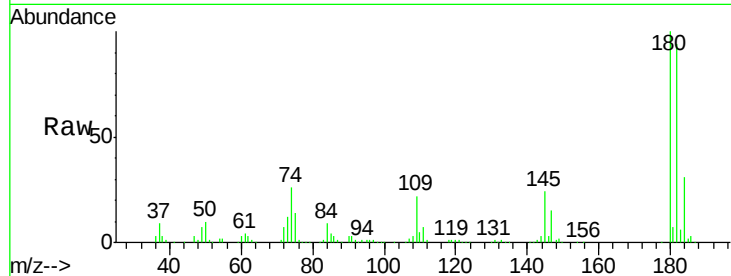




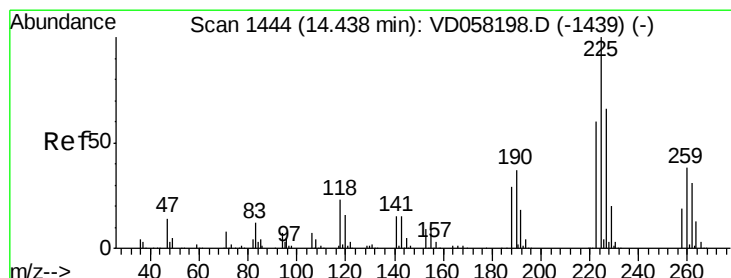
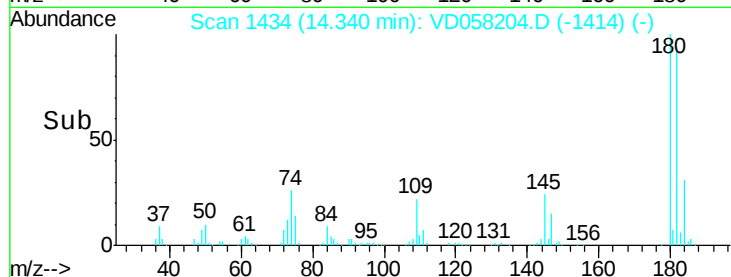
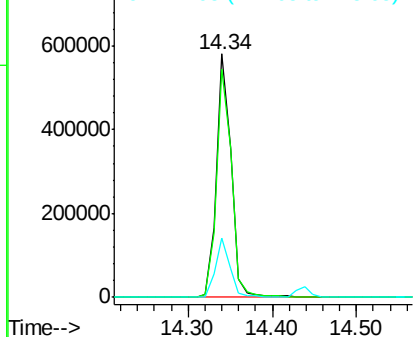
#93
 1,2,4-Trichlorobenzene
 Concen: 51.205 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 705044
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.1 141.3
 145 24.2 11.7 35.0

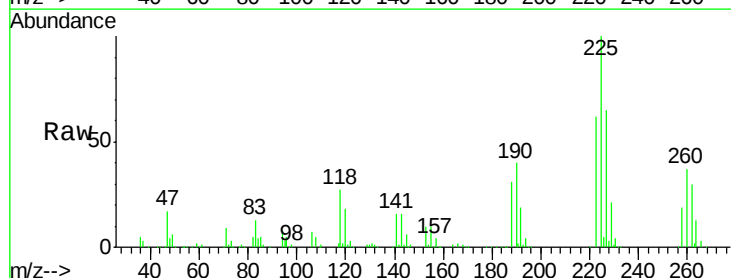


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

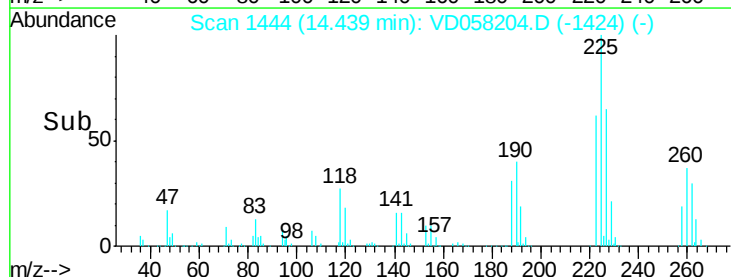
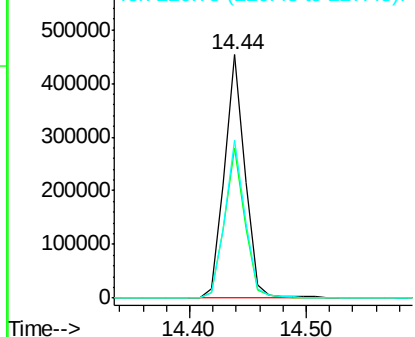


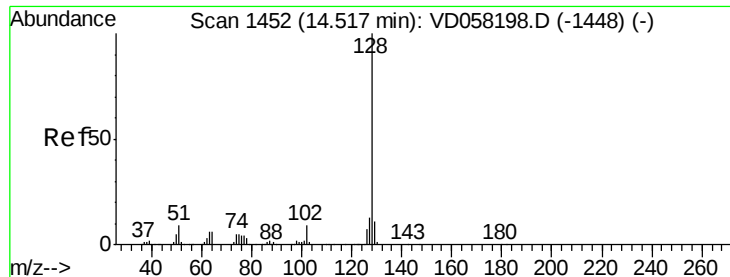
#94
 Hexachlorobutadiene
 Concen: 51.698 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion:225 Resp: 556759
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.1 90.3
 227 65.0 33.0 98.9



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: 50.887 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

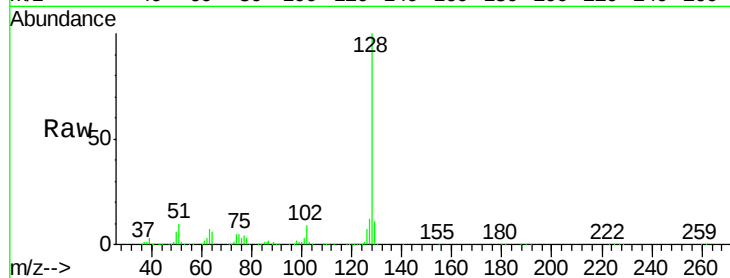
Tot Ion:128 Resp: 922943

Ion Ratio Lower Upper

128 100

127 11.8 10.0 15.0

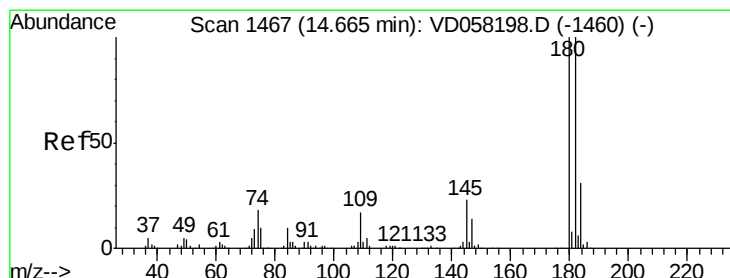
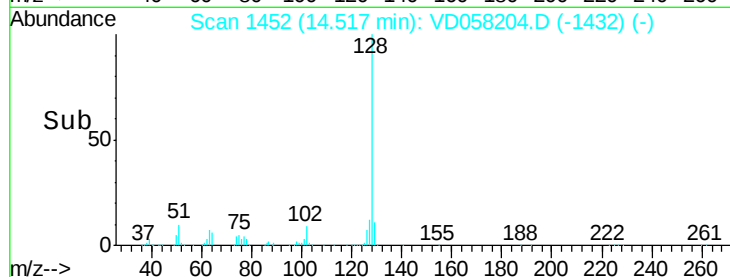
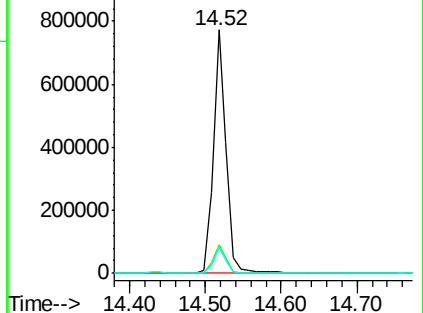
129 10.6 8.7 13.1



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: 50.493 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

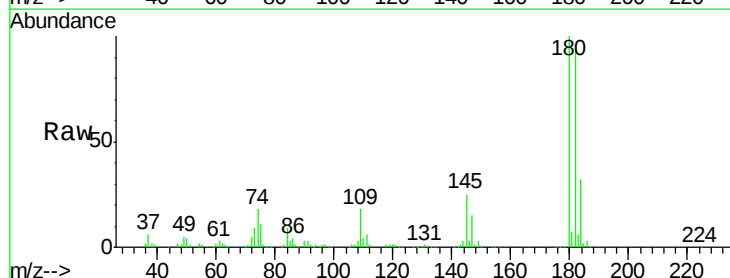
Tgt Ion:180 Resp: 608633

Ion Ratio Lower Upper

180 100

182 94.2 49.9 149.6

145 24.9 11.7 35.1



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

