

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058132.D
 Acq On : 14 Jun 2018 13:34
 Operator : VA/AP
 Sample : VD0614SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:03:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	885279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1157905	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	888683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	477224	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	395016	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	
35) Dibromofluoromethane	5.55	113	426447	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
50) Toluene-d8	8.71	98	985256	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	
62) 4-Bromofluorobenzene	11.93	95	414638	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	249944	21.036	ug/l	100
3) Chloromethane	1.49	50	115533	19.744	ug/l	100
4) Vinyl Chloride	1.56	62	111873	19.751	ug/l	98
5) Bromomethane	1.79	94	41641	18.757	ug/l	100
6) Chloroethane	1.88	64	40543	18.142	ug/l	97
7) Trichlorofluoromethane	2.09	101	163146	21.071	ug/l	96
8) Diethyl Ether	2.36	74	29209	20.307	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.56	101	100941	21.856	ug/l	97
10) Methyl Iodide	2.70	142	113311	19.014	ug/l	91
11) Tert butyl alcohol	3.27	59	19661	82.925	ug/l	95
12) 1,1-Dichloroethene	2.55	96	70751	19.927	ug/l	84
13) Acrolein	2.47	56	27482	80.936	ug/l	88
14) Allyl chloride	2.93	41	162238	19.808	ug/l	99
15) Acrylonitrile	3.38	53	111389	80.307	ug/l	88
16) Acetone	2.62	43	123470	96.829	ug/l	97
17) Carbon Disulfide	2.76	76	247061	19.208	ug/l #	95
18) Methyl Acetate	2.95	43	46835	18.987	ug/l #	85
19) Methyl tert-butyl Ether	3.41	73	325127	20.811	ug/l	98
20) Methylene Chloride	3.07	84	77597	20.491	ug/l	97
21) trans-1,2-Dichloroethene	3.39	96	160780	20.331	ug/l	97
22) Diisopropyl ether	4.08	45	627615	19.342	ug/l	98
23) Vinyl Acetate	4.03	43	1602912	95.609	ug/l	98
24) 1,1-Dichloroethane	3.98	63	369149	20.700	ug/l	99
25) 2-Butanone	4.85	43	269491	92.995	ug/l #	88
26) 2,2-Dichloropropane	4.81	77	305696	20.809	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	199082	21.226	ug/l	97
28) Bromochloromethane	5.15	49	157523	20.409	ug/l	88
29) Tetrahydrofuran	5.19	42	143378	94.384	ug/l	98
30) Chloroform	5.33	83	376267	20.965	ug/l	97
31) Cyclohexane	5.60	56	310111	20.151	ug/l	96
32) 1,1,1-Trichloroethane	5.52	97	312992	20.828	ug/l	98
36) 1,1-Dichloropropene	5.75	75	279863	21.938	ug/l	97
37) Ethyl Acetate	4.92	43	141316	20.301	ug/l	98
38) Carbon Tetrachloride	5.73	117	267001	21.237	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	277738	21.962	ug/l	96
40) Benzene	6.02	78	651996	21.878	ug/l	99
41) Methacrylonitrile	5.13	41	66032	20.747	ug/l	98
42) 1,2-Dichloroethane	6.14	62	245007	20.334	ug/l	99
43) Isopropyl Acetate	7.62	43	173826	19.065	ug/l #	97
44) Trichloroethene	6.98	130	187318	21.519	ug/l	95
45) 1,2-Dichloropropane	7.36	63	174179	21.029	ug/l	100
46) Dibromomethane	7.46	93	108889	20.465	ug/l	99
47) Bromodichloromethane	7.75	83	255576	20.515	ug/l	97
48) Methyl methacrylate	7.51	41	99866	17.796	ug/l	95
49) 1,4-Dioxane	7.49	88	16783	361.005	ug/l #	86
51) 4-Methyl-2-Pentanone	8.61	43	590556	100.982	ug/l	95
52) Toluene	8.80	92	373600	21.844	ug/l	98
53) t-1,3-Dichloropropene	9.20	75	221198	20.608	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	262527	20.761	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	118781	21.459	ug/l	96
56) Ethyl methacrylate	9.32	69	138685	20.425	ug/l	99
57) 1,3-Dichloropropane	9.67	76	207351	21.358	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	354176	103.244	ug/l	99
59) 2-Hexanone	9.79	43	417223	97.351	ug/l	98
60) Dibromochloromethane	9.96	129	159051	20.376	ug/l	98
61) 1,2-Dibromoethane	10.10	107	131292	20.625	ug/l	98
64) Tetrachloroethene	9.52	164	184606	23.236	ug/l	97
65) Chlorobenzene	10.73	112	404959	22.509	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	151567	21.928	ug/l	97
67) Ethyl Benzene	10.86	91	720124	22.156	ug/l	100
68) m/p-Xylenes	11.02	106	502389	47.414	ug/l	91
69) o-Xylene	11.41	106	233522	22.203	ug/l	97
70) Styrene	11.43	104	381963	21.938	ug/l	99
71) Bromoform	11.61	173	111189	21.383	ug/l	97
73) Isopropylbenzene	11.78	105	635302	20.099	ug/l	99
74) N-amyl acetate	11.65	43	231453	18.976	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	138111	20.041	ug/l	94
76) 1,2,3-Trichloropropane	12.11	75	146944	20.498	ug/l	96
77) Bromobenzene	12.04	156	199377	21.309	ug/l	96
78) n-propylbenzene	12.16	91	914206	22.227	ug/l	100
79) 2-Chlorotoluene	12.22	91	481582	20.524	ug/l	95
80) 1,3,5-Trimethylbenzene	12.33	105	544904	22.105	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	36768	20.708	ug/l	97
82) 4-Chlorotoluene	12.33	91	577891	23.647	ug/l	98
83) tert-Butylbenzene	12.58	119	597812	21.477	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	560289	21.139	ug/l	97
85) sec-Butylbenzene	12.76	105	707646	21.066	ug/l	98
86) p-Isopropyltoluene	12.89	119	570091	21.056	ug/l	98
87) 1,3-Dichlorobenzene	12.85	146	323288	20.426	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	329201	21.348	ug/l	96
89) n-Butylbenzene	13.20	91	624233	23.243	ug/l	96
90) Hexachloroethane	13.40	117	144057	20.847	ug/l	64
91) 1,2-Dichlorobenzene	13.19	146	278625	21.784	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	20754	19.513	ug/l	87

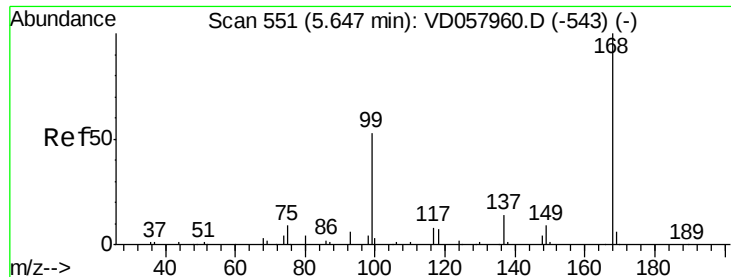
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	258641	21.644	ug/l	98
94) Hexachlorobutadiene	14.44	225	198490	21.118	ug/l	97
95) Naphthalene	14.52	128	326367	21.183	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	221429	21.743	ug/l	100

(#) = 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: VD058132.D

Acq: 14 Jun 2018 13:34

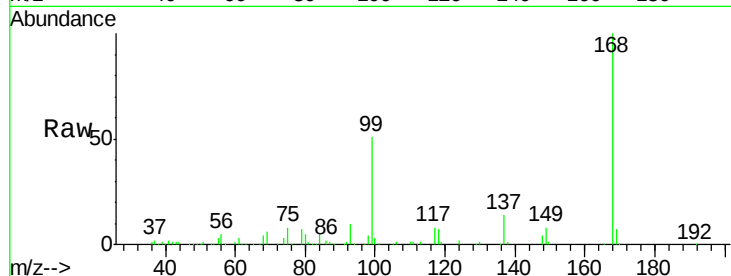
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 885279

Ion Ratio Lower Upper

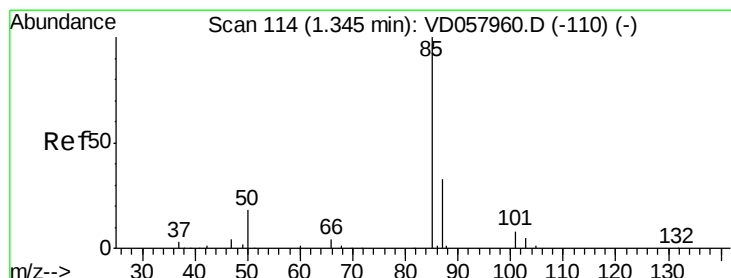
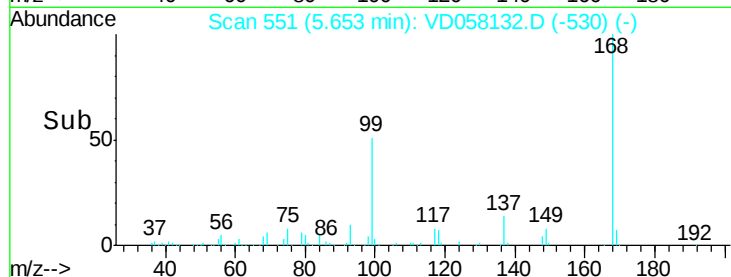
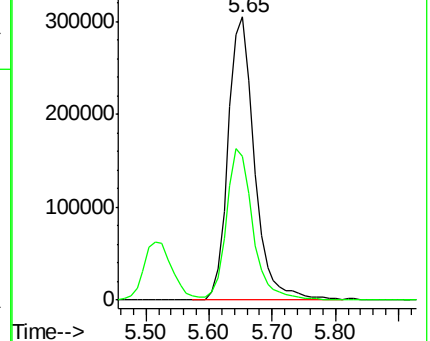
168 100

99 50.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.036 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.00 min

Lab File: VD058132.D

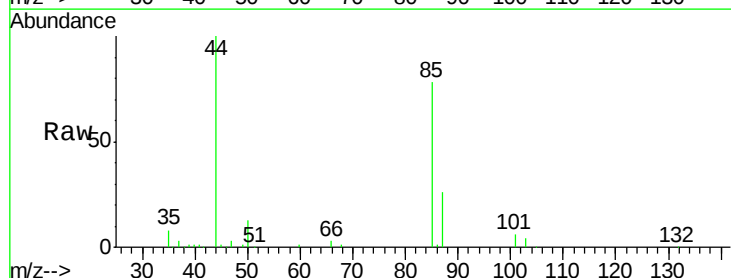
Acq: 14 Jun 2018 13:34

Tgt Ion: 85 Resp: 249944

Ion Ratio Lower Upper

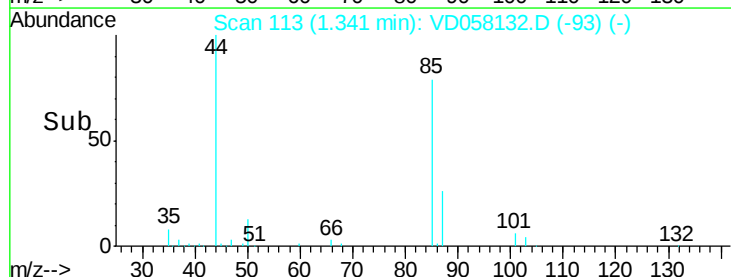
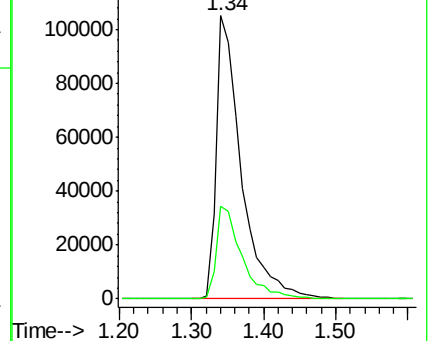
85 100

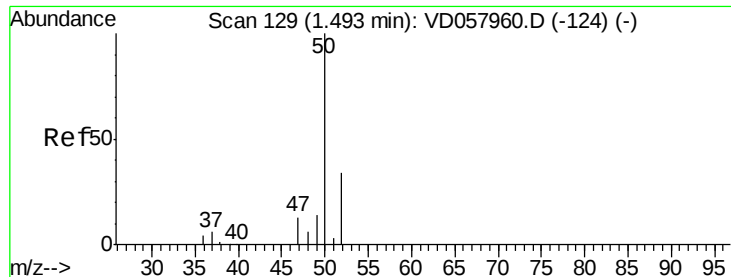
87 32.7 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.744 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

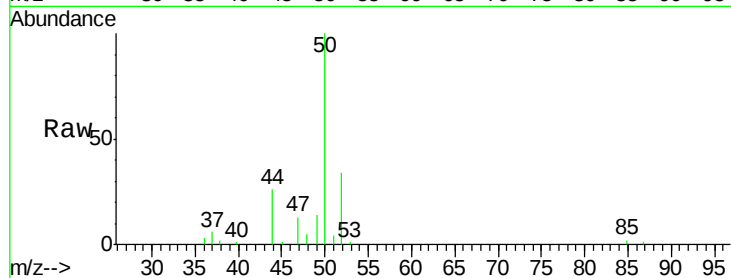
ClientSampleId :

Tot Ion: 50 Resp: 115533

Ion Ratio Lower Upper

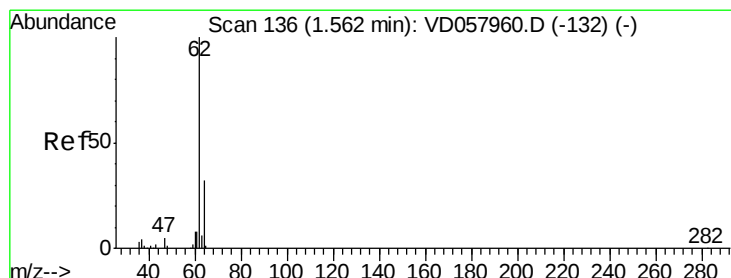
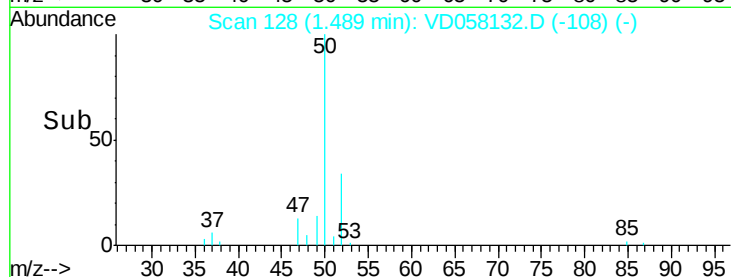
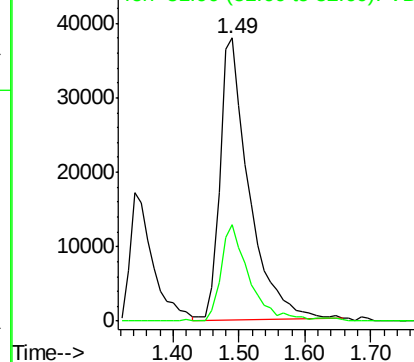
50 100

52 34.2 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.751 ug/l

RT: 1.56 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058132.D

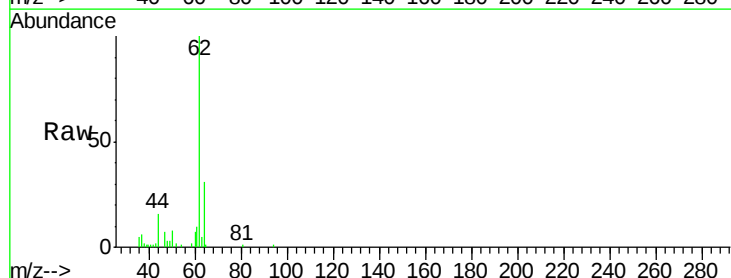
Acq: 14 Jun 2018 13:34

Tgt Ion: 62 Resp: 111873

Ion Ratio Lower Upper

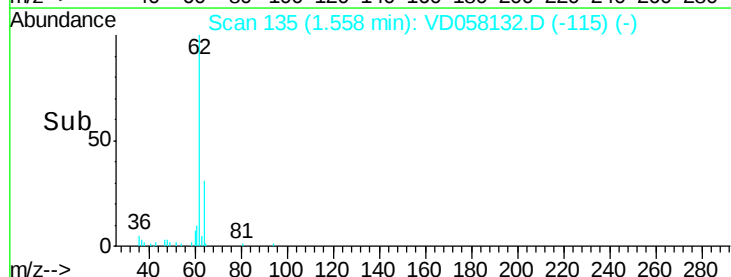
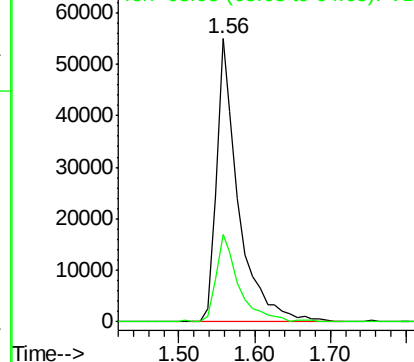
62 100

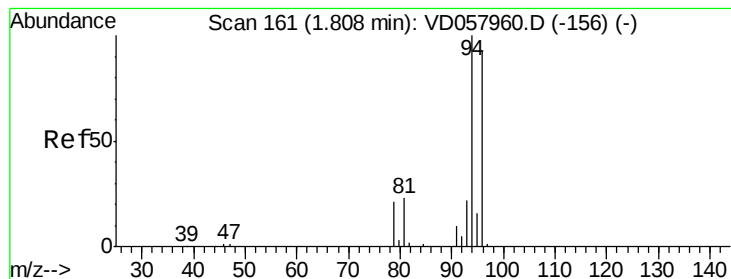
64 30.8 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.757 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

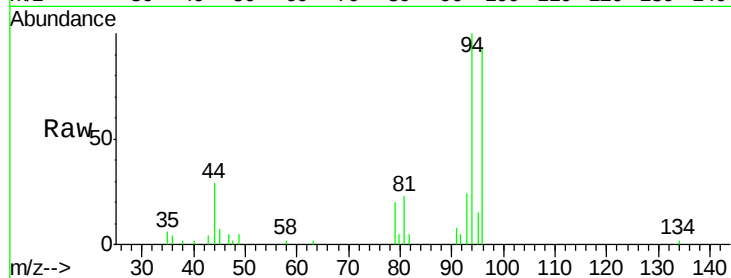
ClientSampleId :

Tot Ion: 94 Resp: 41641

Ion Ratio Lower Upper

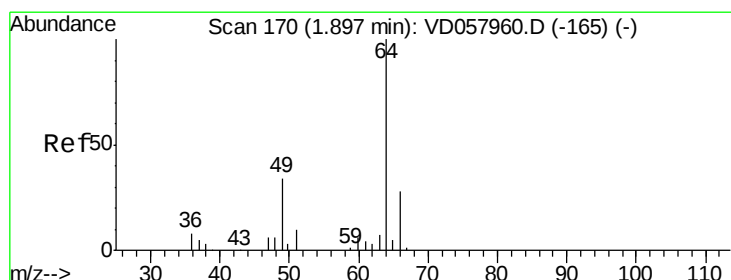
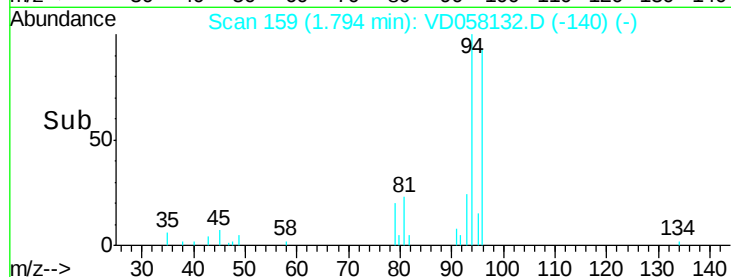
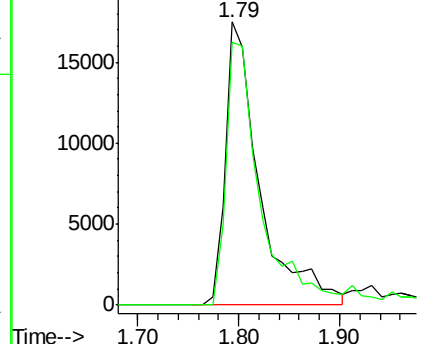
94 100

96 92.9 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.142 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD058132.D

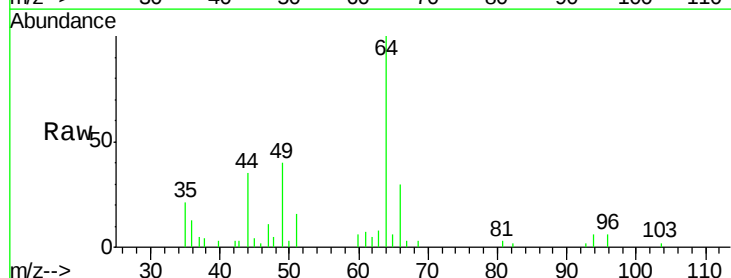
Acq: 14 Jun 2018 13:34

Tgt Ion: 64 Resp: 40543

Ion Ratio Lower Upper

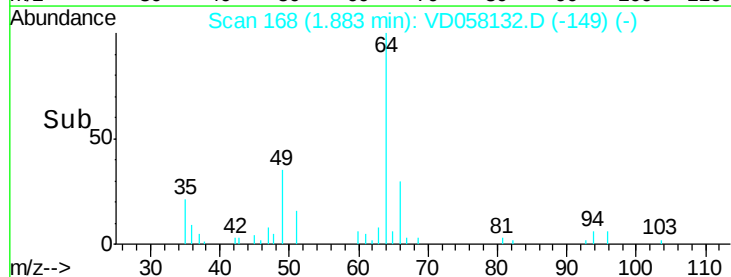
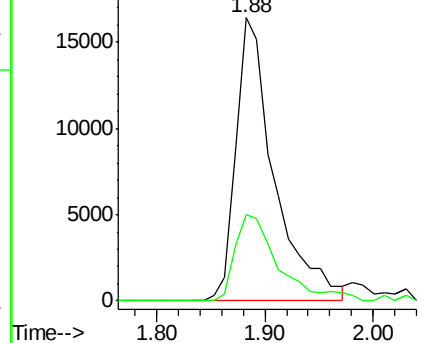
64 100

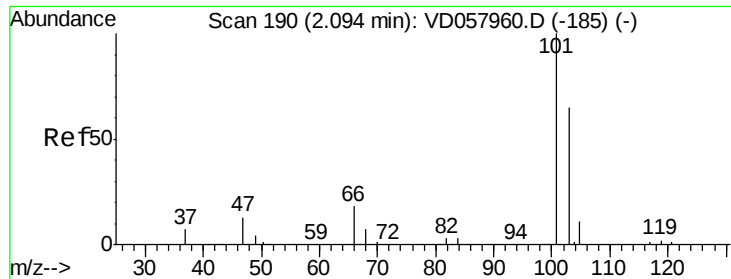
66 30.3 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



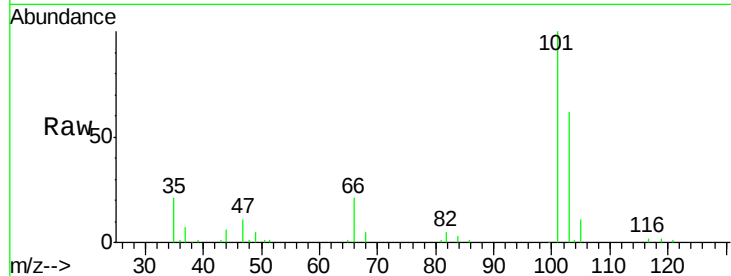


#7

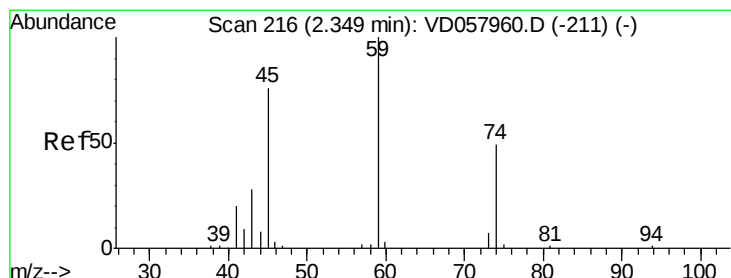
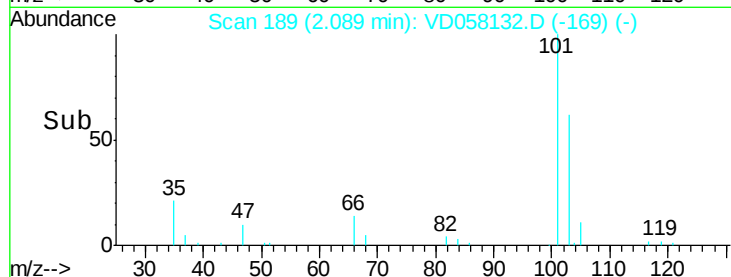
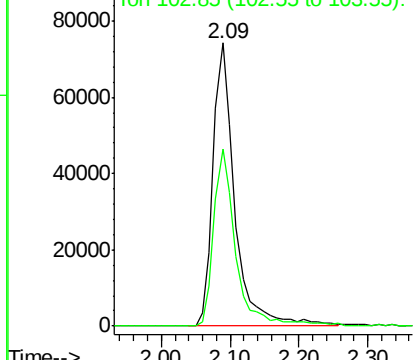
Trichlorofluoromethane
 Concen: 21.071 ug/l
 RT: 2.09 min Scan# 189
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 163146
 Ion Ratio Lower Upper
 101 100
 103 62.4 52.4 78.6



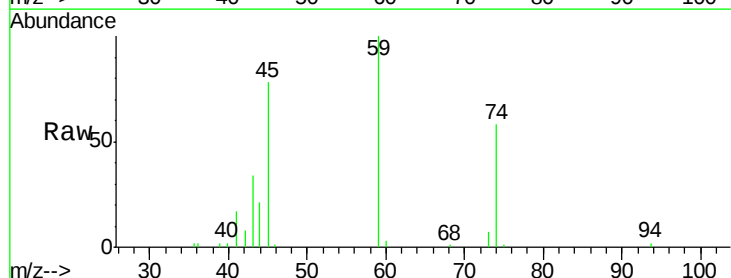
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



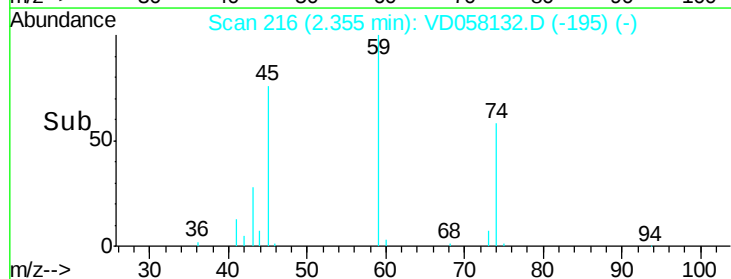
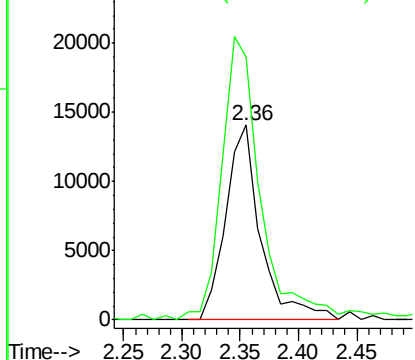
#8

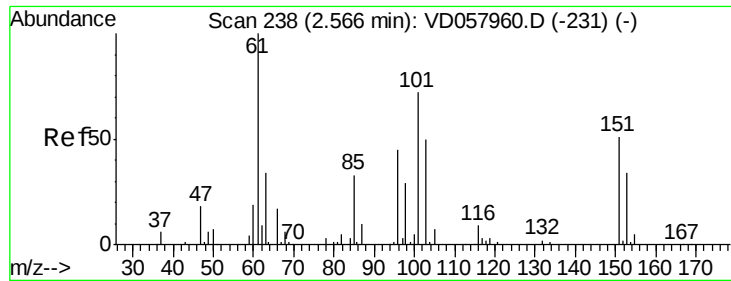
Diethyl Ether
 Concen: 20.307 ug/l
 RT: 2.36 min Scan# 216
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion: 74 Resp: 29209
 Ion Ratio Lower Upper
 74 100
 45 135.2 77.1 231.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.856 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

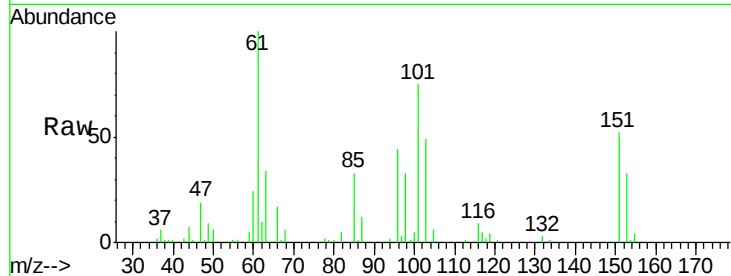
Tot Ion:101 Resp: 100941

Ion Ratio Lower Upper

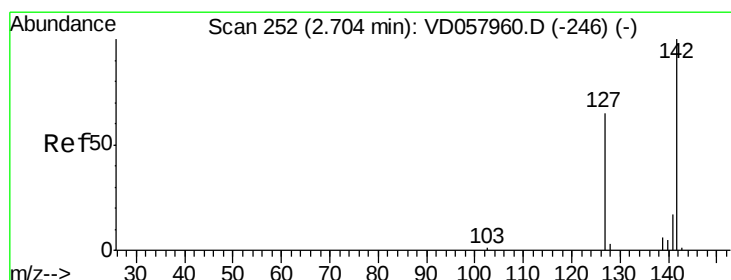
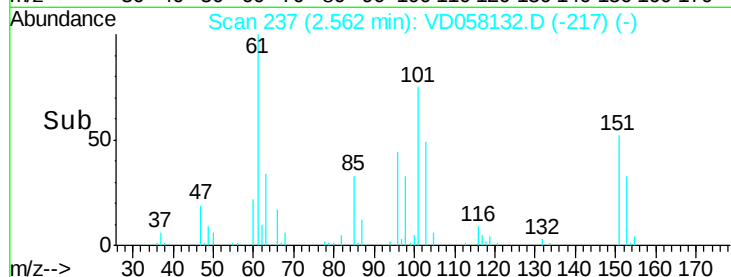
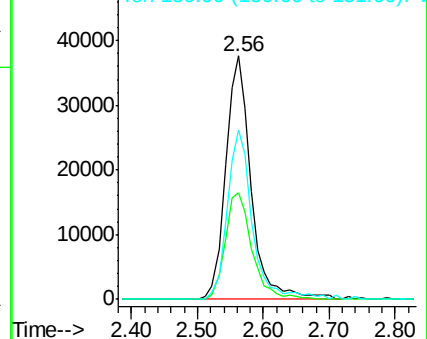
101 100

85 44.0 37.3 55.9

151 69.5 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.014 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

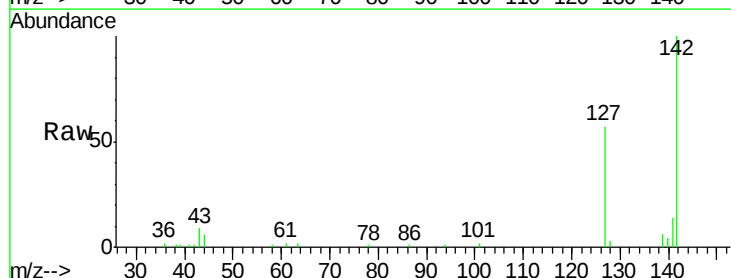
Tgt Ion:142 Resp: 113311

Ion Ratio Lower Upper

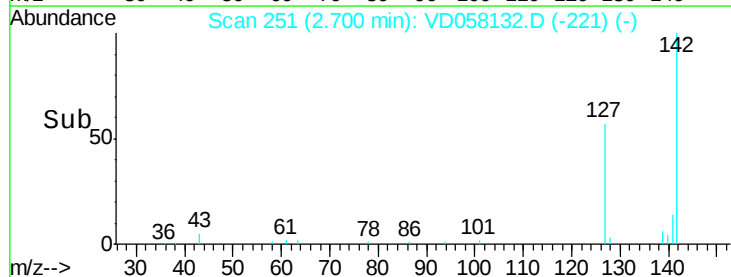
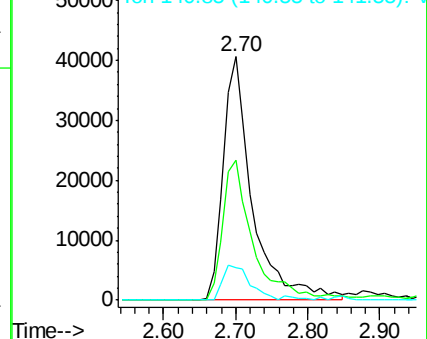
142 100

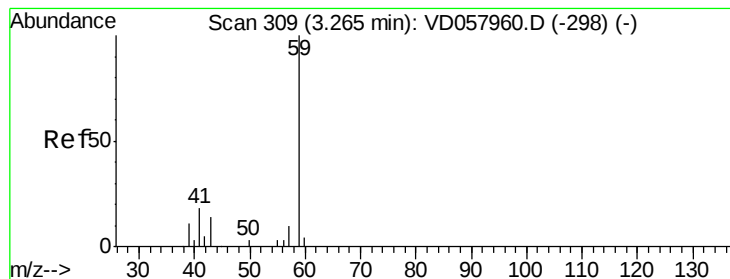
127 57.4 52.0 78.0

141 13.5 13.2 19.8



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V



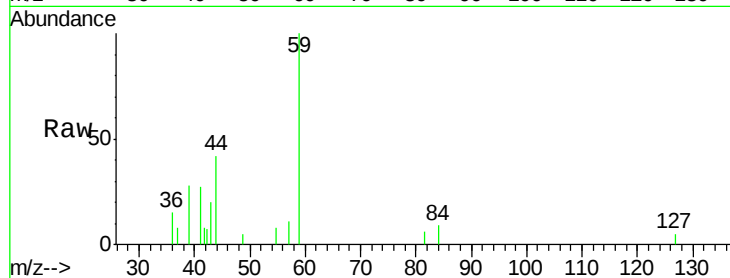


#11

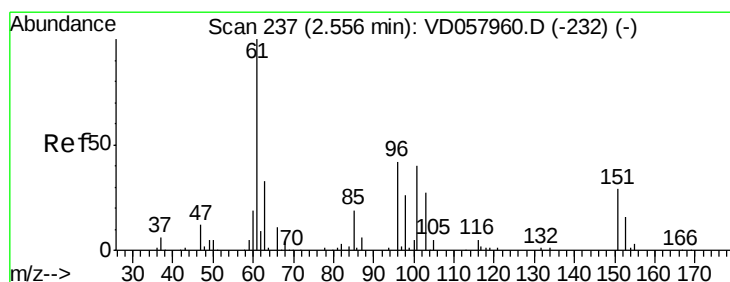
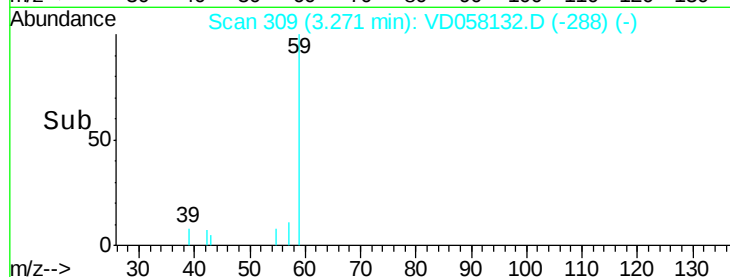
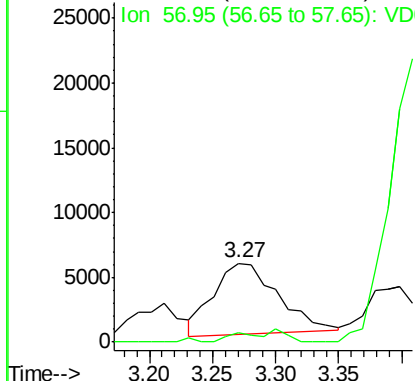
Tert butyl alcohol
Concen: 82.925 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 19661
Ion Ratio Lower Upper
59 100
57 11.4 7.8 11.6



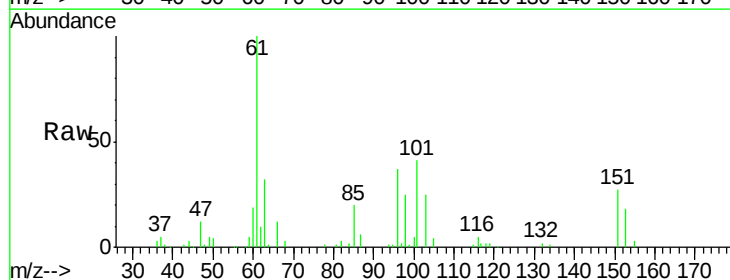
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



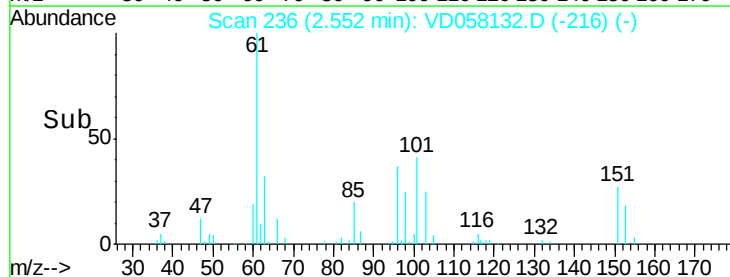
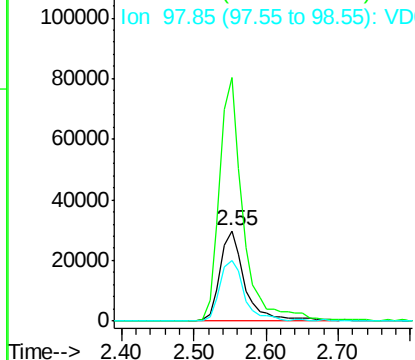
#12

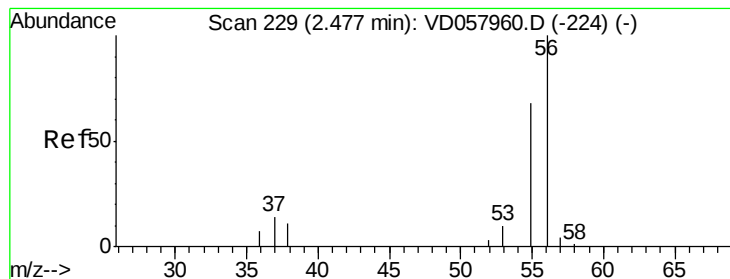
1,1-Dichloroethene
Concen: 19.927 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion: 96 Resp: 70751
Ion Ratio Lower Upper
96 100
61 269.0 190.2 285.4
98 66.8 49.6 74.4



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





#13

Acrolein

Concen: 80.936 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

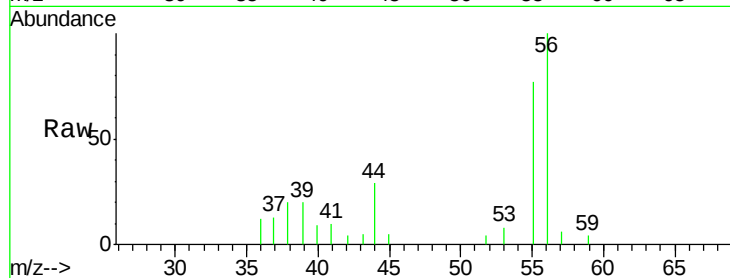
ClientSampled :

Tot Ion: 56 Resp: 27482

Ion Ratio Lower Upper

56 100

55 76.9 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

12000

10000

8000

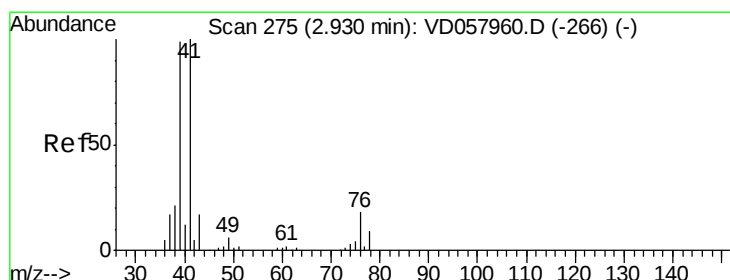
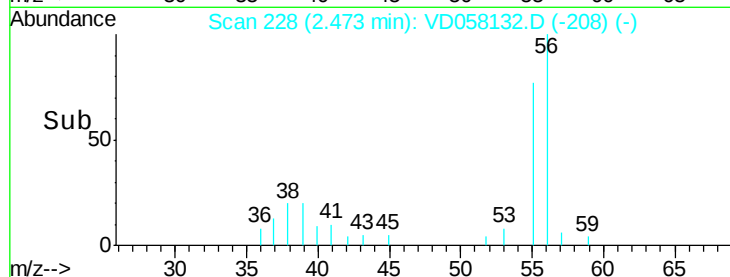
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 19.808 ug/l

RT: 2.93 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

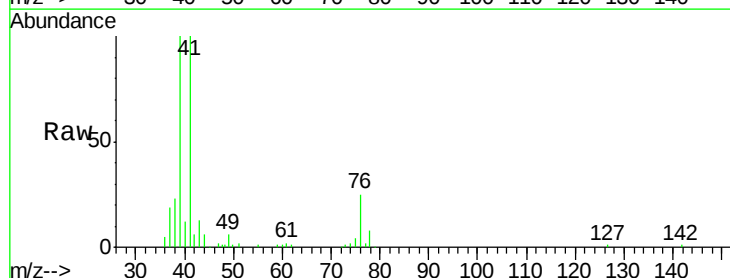
Tgt Ion: 41 Resp: 162238

Ion Ratio Lower Upper

41 100

39 99.5 79.5 119.3

76 24.9 20.7 31.1



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

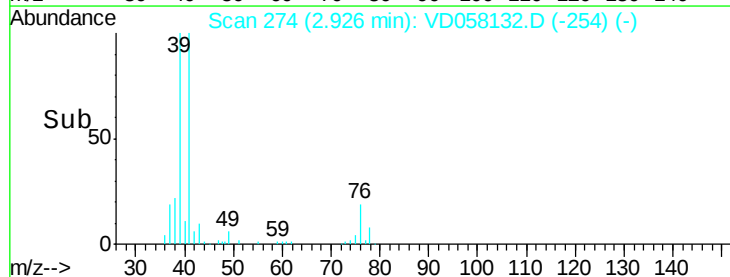
15000

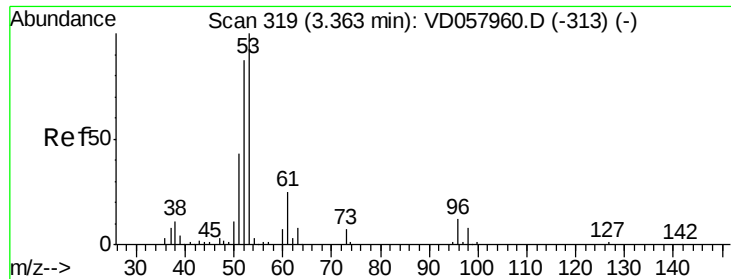
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 80.307 ug/l

RT: 3.38 min Scan# 320

Delta R.T. 0.02 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

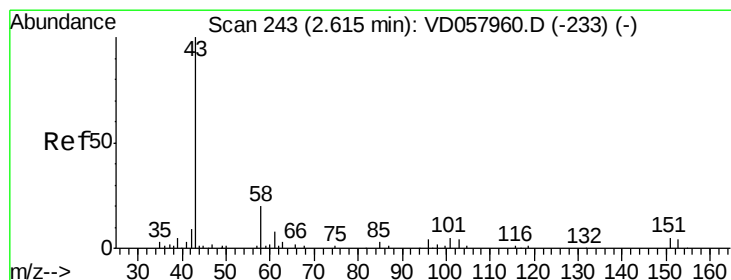
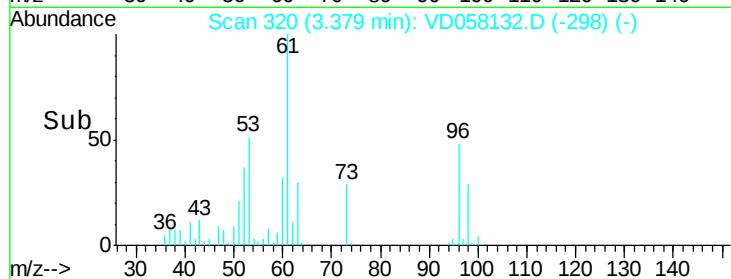
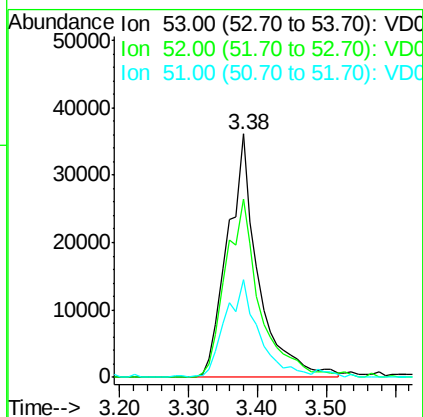
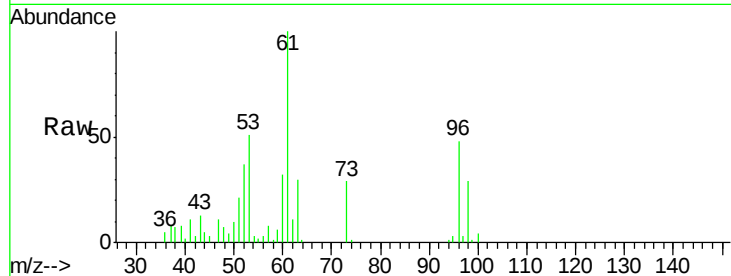
Tot Ion: 53 Resp: 111389

Ion Ratio Lower Upper

53 100

52 73.3 69.9 104.9

51 40.3 34.3 51.5



#16

Acetone

Concen: 96.829 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058132.D

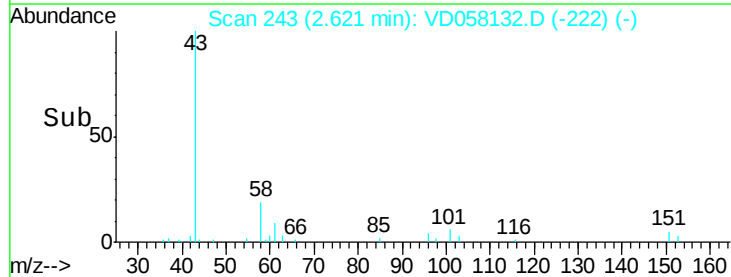
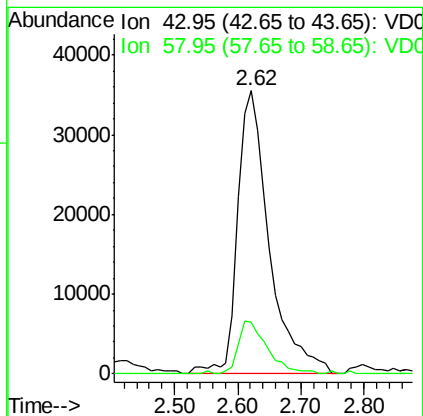
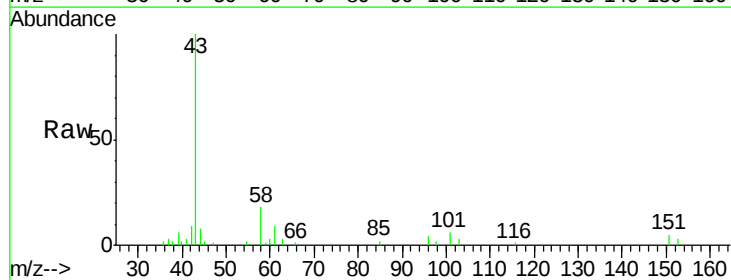
Acq: 14 Jun 2018 13:34

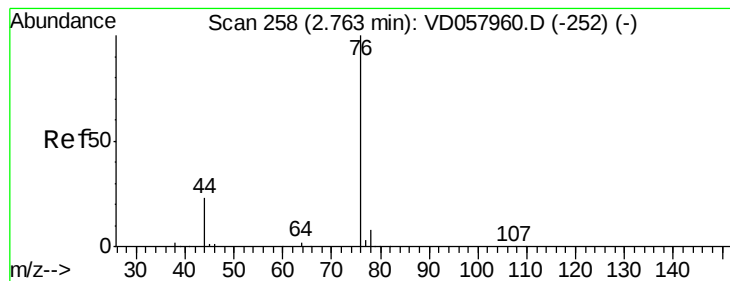
Tgt Ion: 43 Resp: 123470

Ion Ratio Lower Upper

43 100

58 18.4 15.8 23.8





#17

Carbon Disulfide

Concen: 19.208 ug/l

RT: 2.76 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

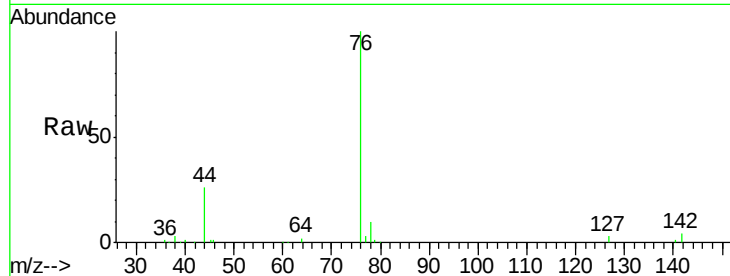
ClientSampled :

Tot Ion: 76 Resp: 247061

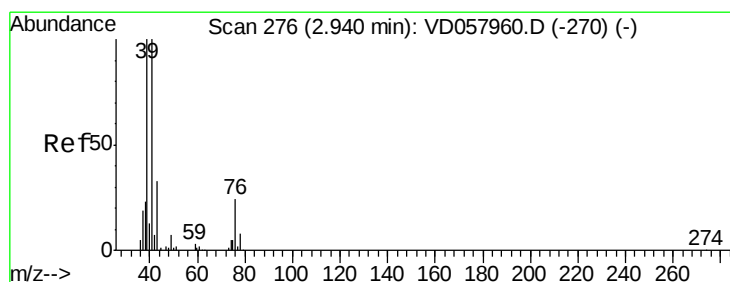
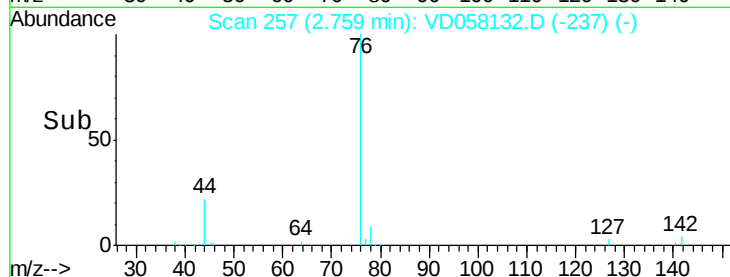
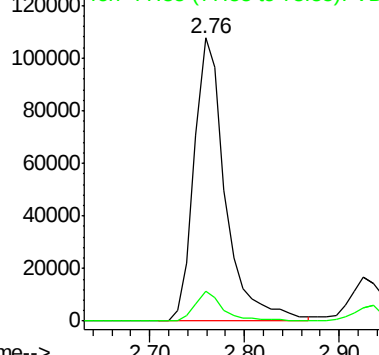
Ion Ratio Lower Upper

76 100

78 10.4 6.7 10.1#



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



#18

Methyl Acetate

Concen: 18.987 ug/l

RT: 2.95 min Scan# 276

Delta R.T. 0.01 min

Lab File: VD058132.D

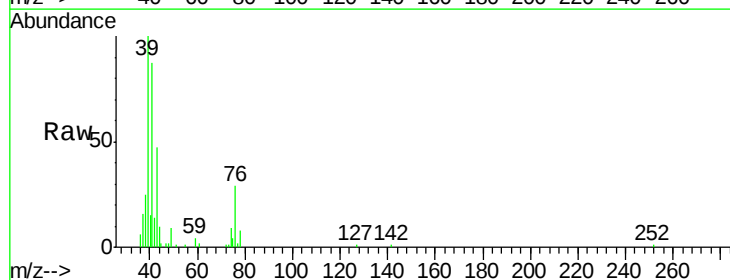
Acq: 14 Jun 2018 13:34

Tgt Ion: 43 Resp: 46835

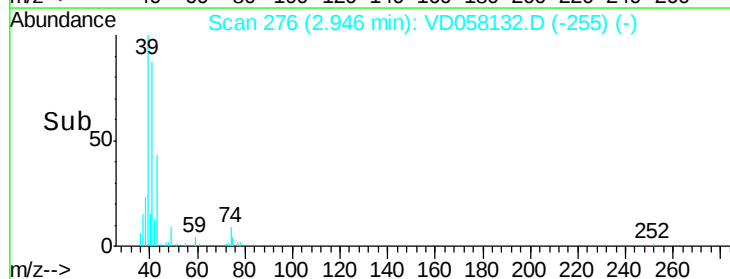
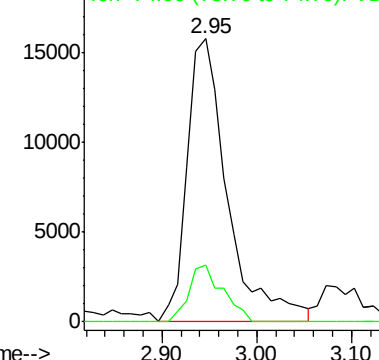
Ion Ratio Lower Upper

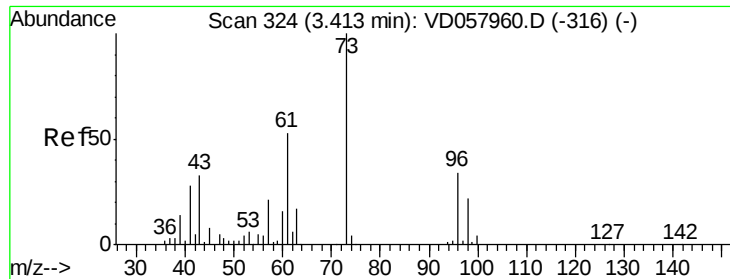
43 100

74 20.0 11.2 16.8#



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

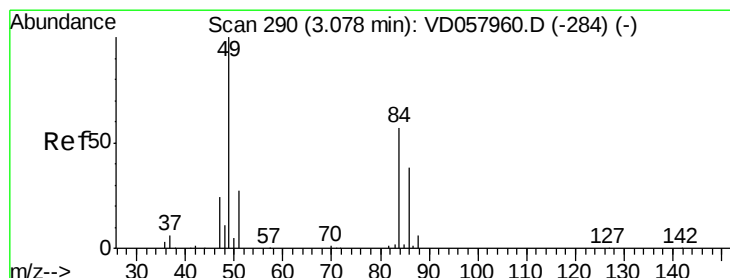
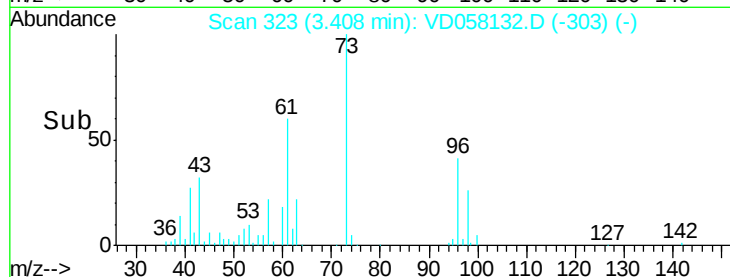
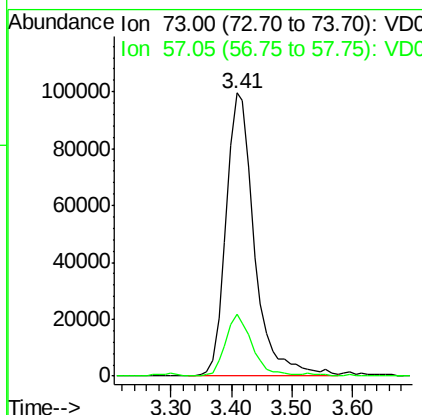
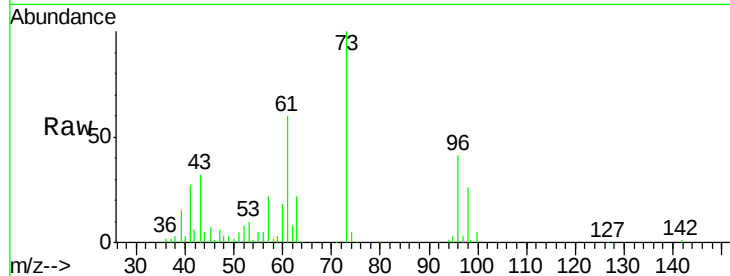




#19
Methyl tert-butyl Ether
Concen: 20.811 ug/l
RT: 3.41 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

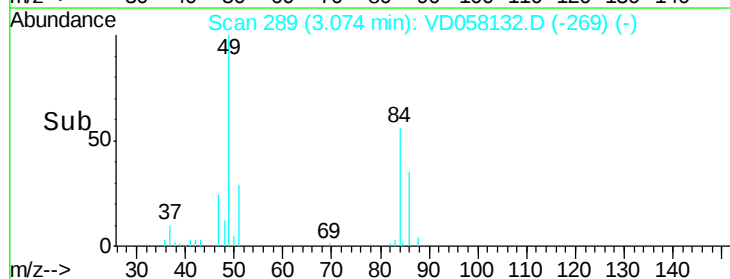
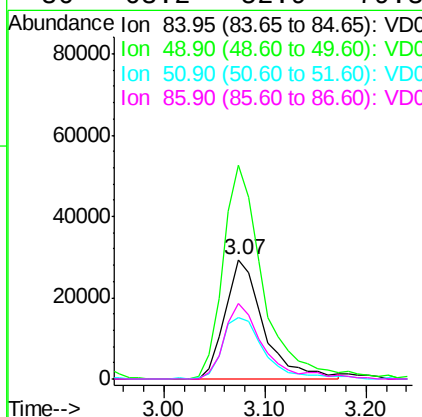
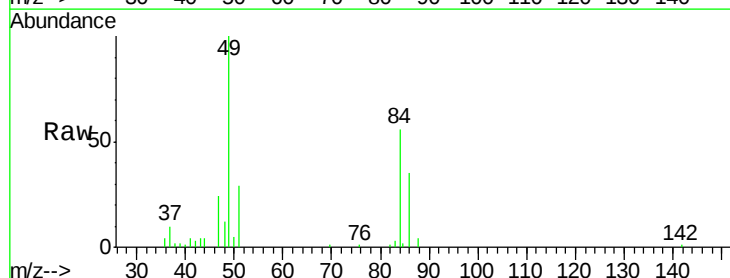
Instrument :
MSVOA_D
ClientSampleId :

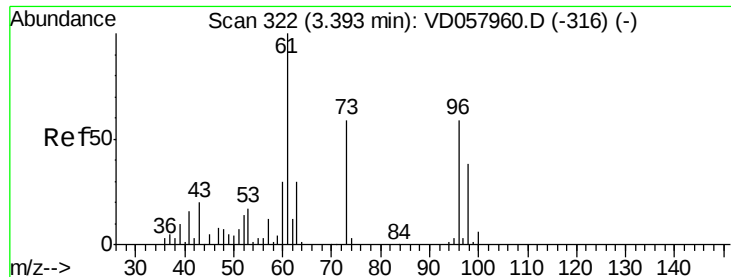
Tot Ion: 73 Resp: 325127
Ion Ratio Lower Upper
73 100
57 22.0 16.7 25.1



#20
Methylene Chloride
Concen: 20.491 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion: 84 Resp: 77597
Ion Ratio Lower Upper
84 100
49 178.5 141.4 212.0
51 51.6 38.3 57.5
86 63.2 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 20.331 ug/l

RT: 3.39 min Scan# 321

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

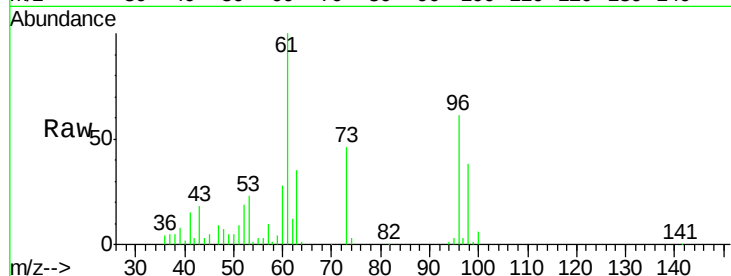
Tot Ion: 96 Resp: 160780

Ion Ratio Lower Upper

96 100

61 164.5 135.2 202.8

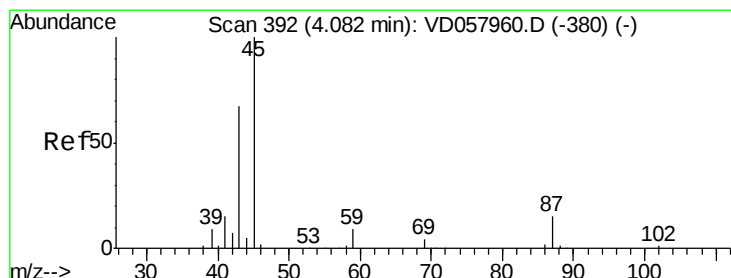
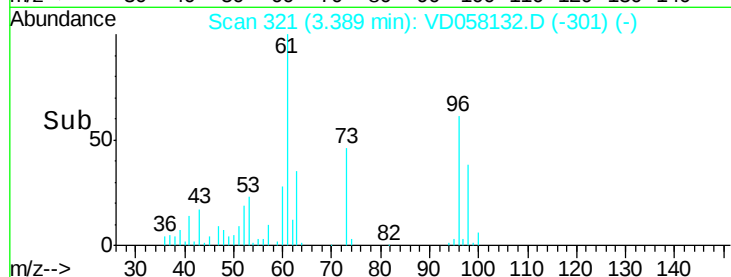
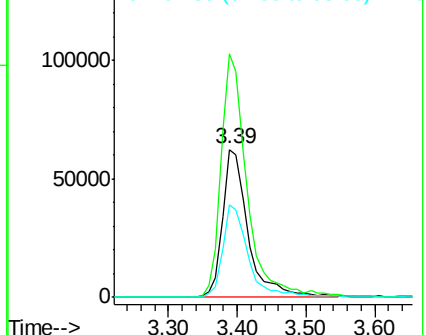
98 62.8 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.342 ug/l

RT: 4.08 min Scan# 391

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Tgt Ion: 45 Resp: 627615

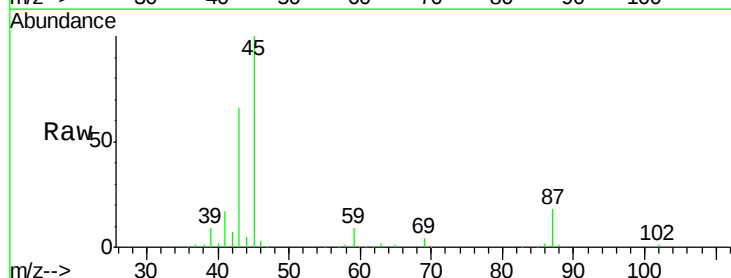
Ion Ratio Lower Upper

45 100

43 66.5 53.8 80.8

87 17.5 12.5 18.7

59 8.9 7.3 10.9

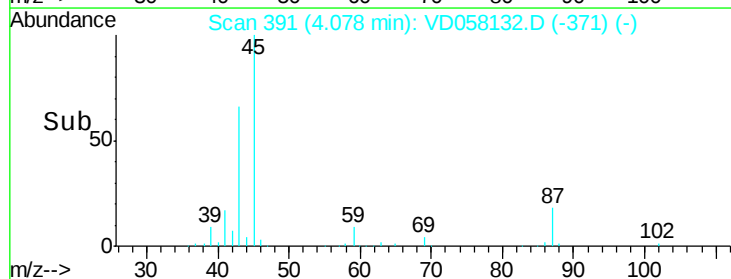
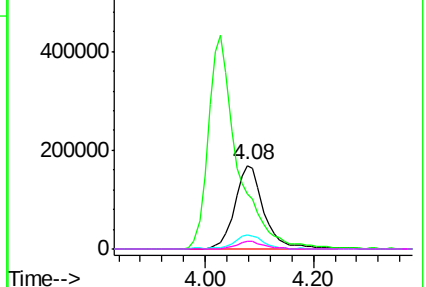


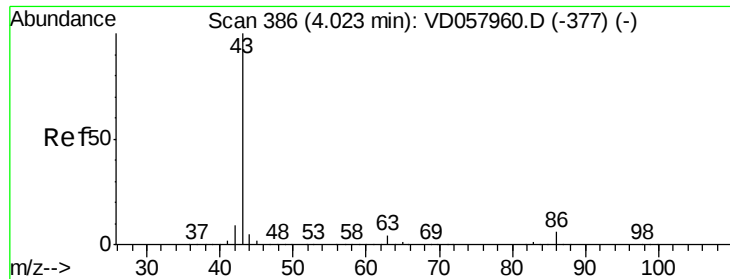
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

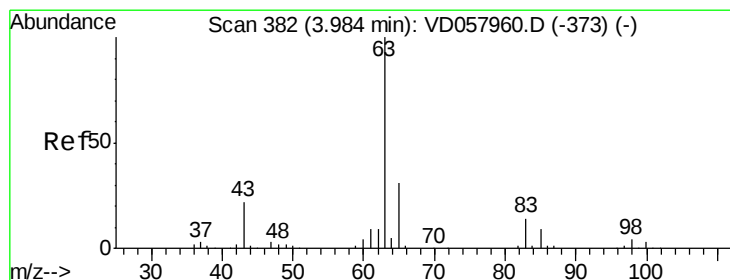
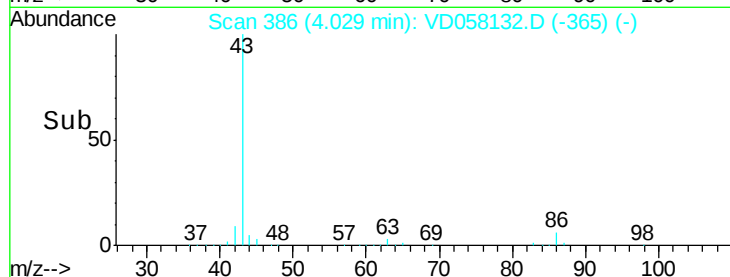
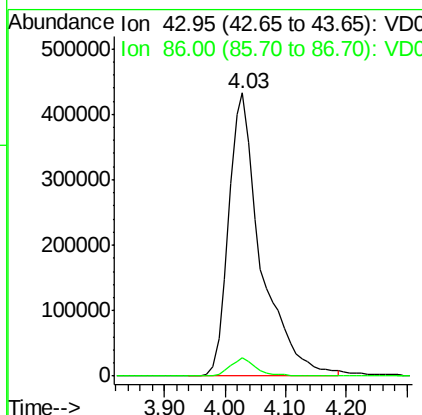
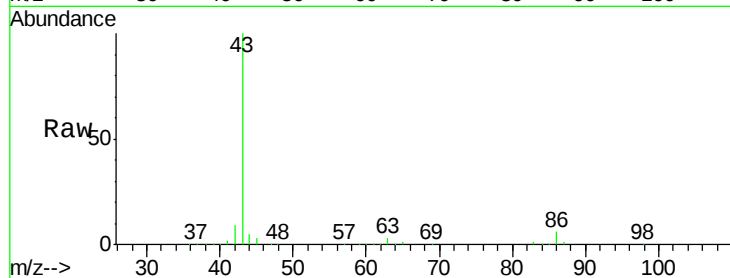




#23
 Vinyl Acetate
 Concen: 95.609 ug/l
 RT: 4.03 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

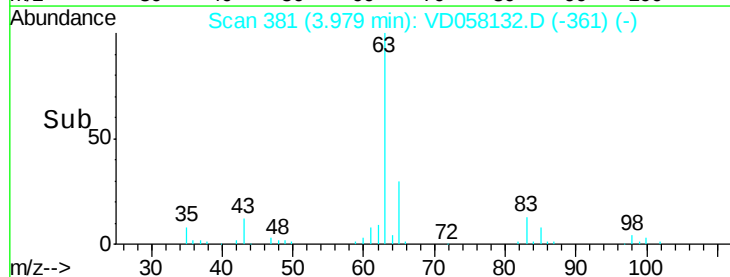
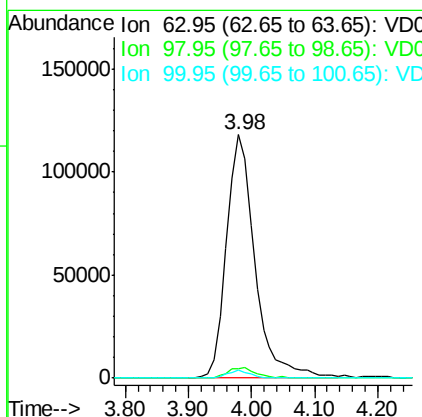
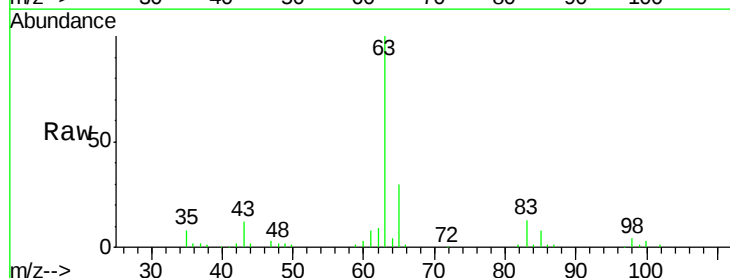
Instrument :
 MSVOA_D
 ClientSampleID :

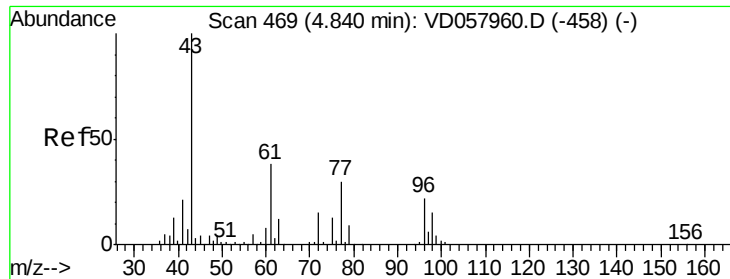
Tot Ion: 43 Resp: 1602912
 Ion Ratio Lower Upper
 43 100
 86 6.4 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 20.700 ug/l
 RT: 3.98 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion: 63 Resp: 369149
 Ion Ratio Lower Upper
 63 100
 98 4.0 2.0 5.8
 100 3.2 1.4 4.2





#25

2-Butanone

Concen: 92.995 ug/l

RT: 4.85 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

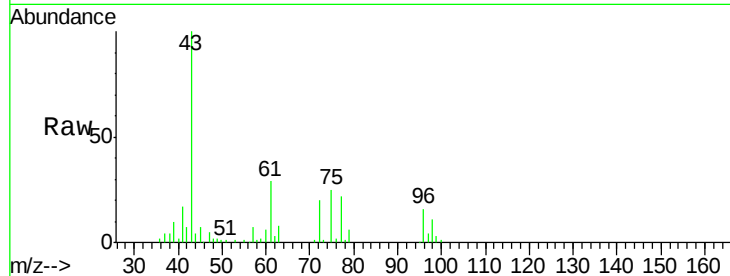
ClientSampleId :

Tot Ion: 43 Resp: 269491

Ion Ratio Lower Upper

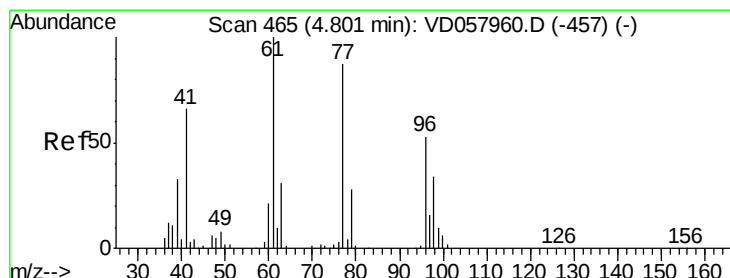
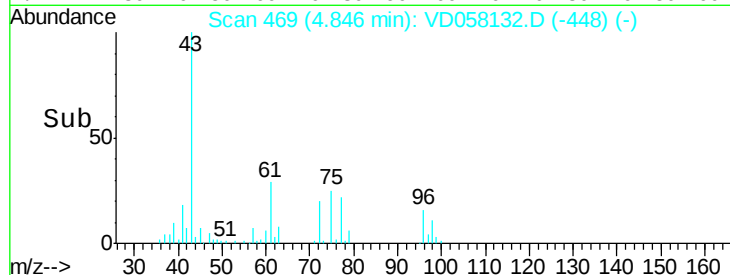
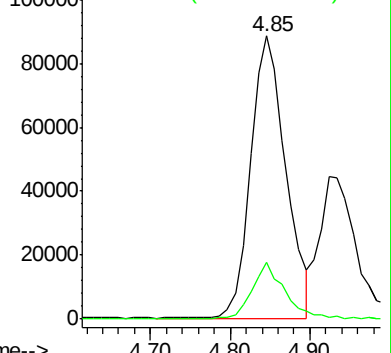
43 100

72 19.9 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.809 ug/l

RT: 4.81 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD058132.D

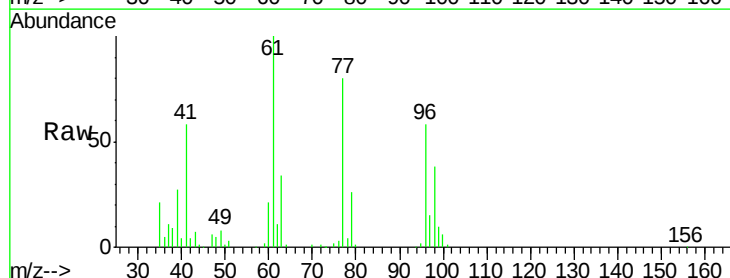
Acq: 14 Jun 2018 13:34

Tgt Ion: 77 Resp: 305696

Ion Ratio Lower Upper

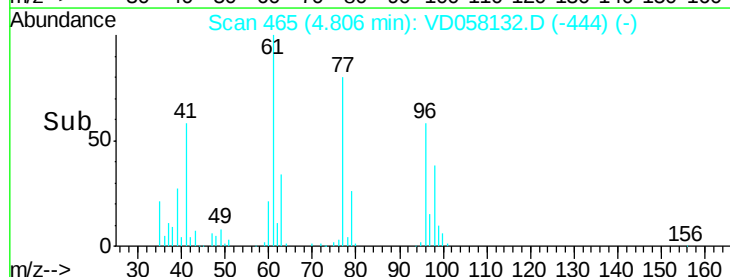
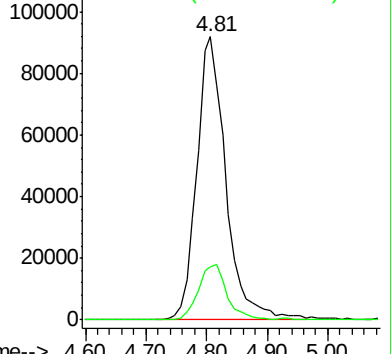
77 100

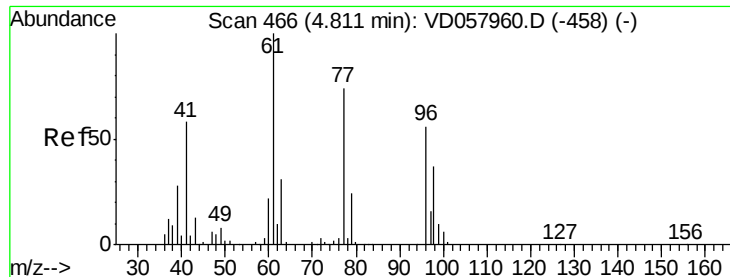
97 18.8 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



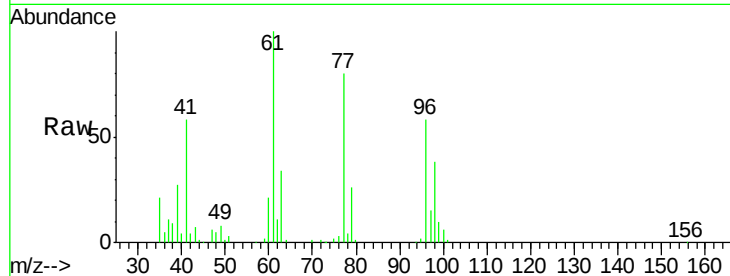


#27

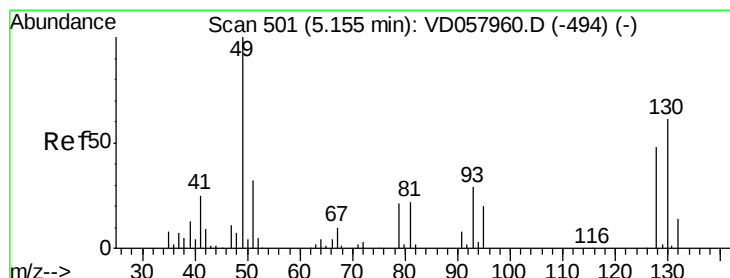
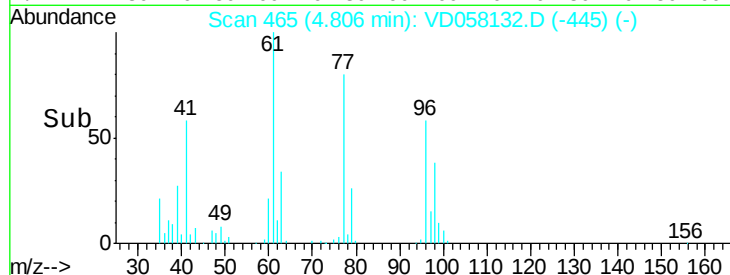
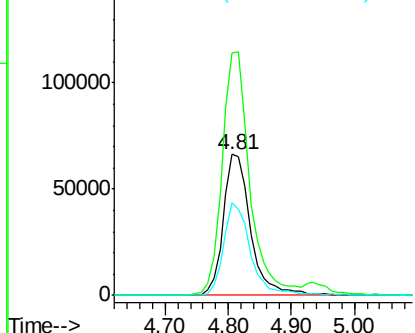
cis-1,2-Dichloroethene
Concen: 21.226 ug/l
RT: 4.81 min Scan# 465
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	96	Resp	199082
Ion	Ratio	Lower	Upper
96	100		
61	172.2	0.0	355.0
98	65.8	0.0	129.6



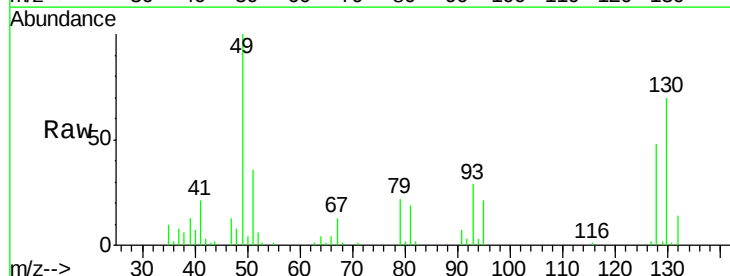
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



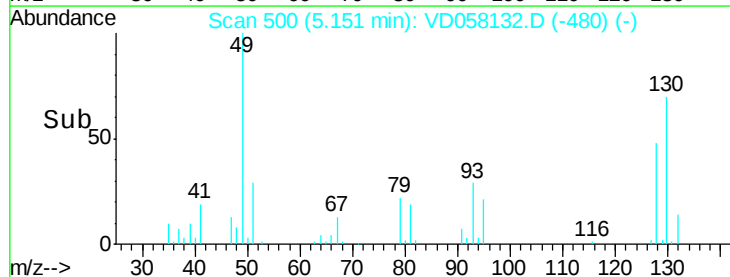
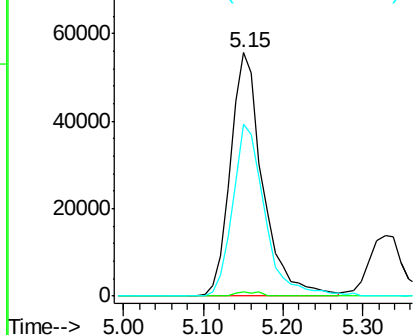
#28

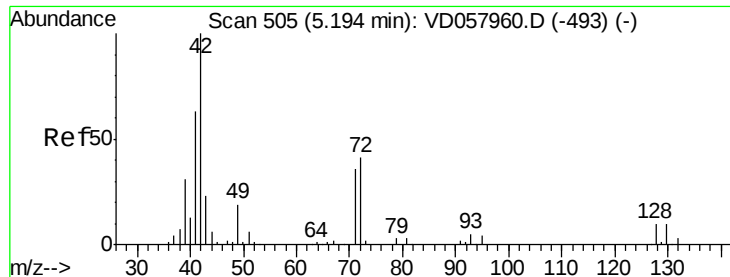
Bromochloromethane
Concen: 20.409 ug/l
RT: 5.15 min Scan# 500
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion	49	Resp	157523
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	70.4	48.8	73.2



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

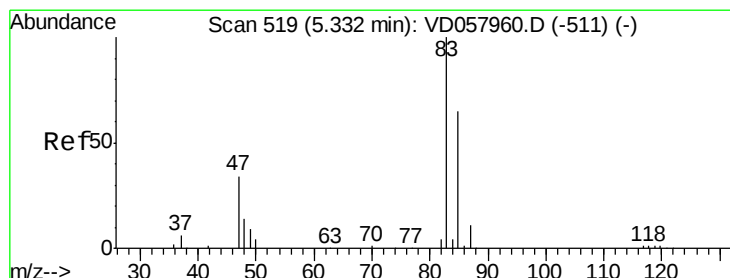
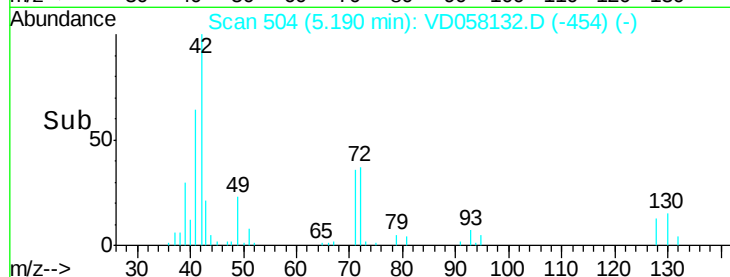
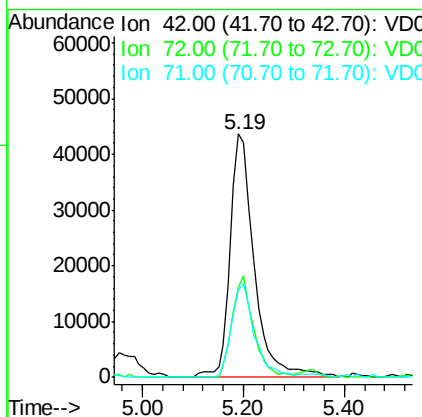
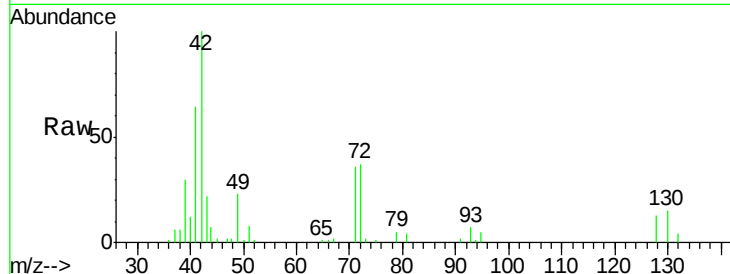




#29
Tetrahydrofuran
Concen: 94.384 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

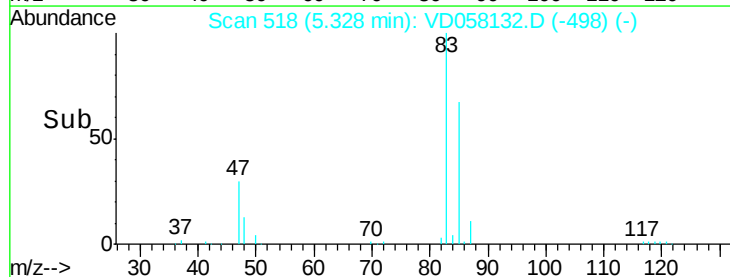
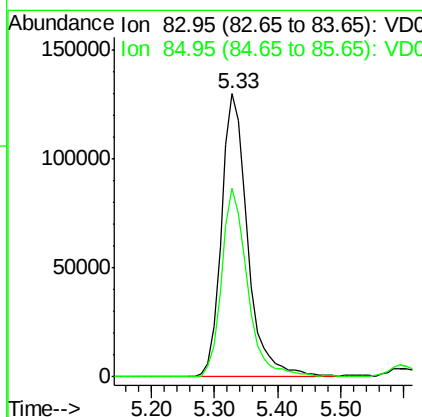
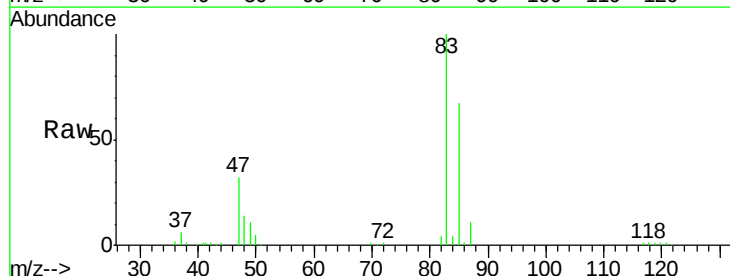
Instrument :
MSVOA_D
ClientSampled :

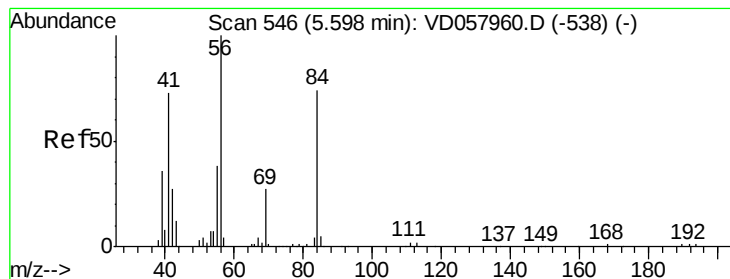
Tot Ion: 42 Resp: 143378
Ion Ratio Lower Upper
42 100
72 36.4 28.5 42.7
71 36.9 27.9 41.9



#30
Chloroform
Concen: 20.965 ug/l
RT: 5.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion: 83 Resp: 376267
Ion Ratio Lower Upper
83 100
85 66.6 51.6 77.4





#31

Cyclohexane

Concen: 20.151 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :

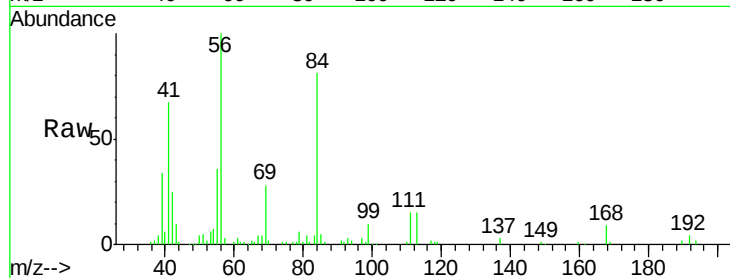
Tot Ion: 56 Resp: 310111

Ion Ratio Lower Upper

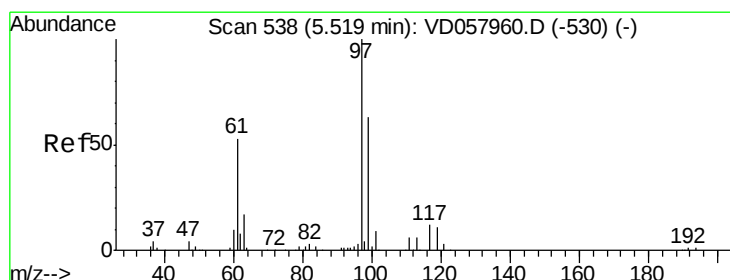
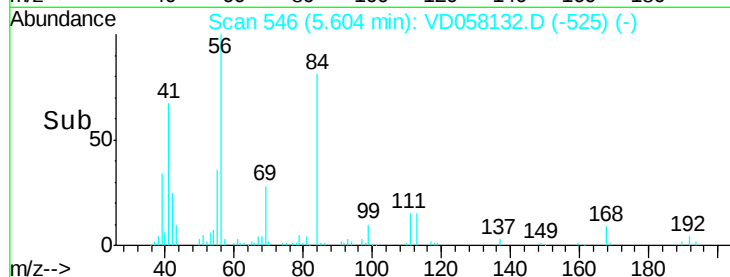
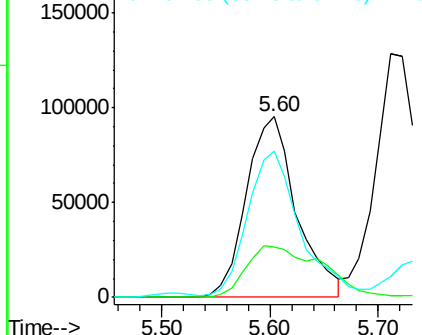
56 100

69 27.6 21.5 32.3

84 81.0 61.0 91.6



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



#32

1,1,1-Trichloroethane

Concen: 20.828 ug/l

RT: 5.52 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

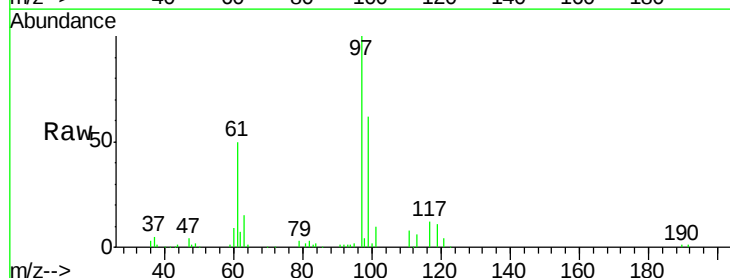
Tgt Ion: 97 Resp: 312992

Ion Ratio Lower Upper

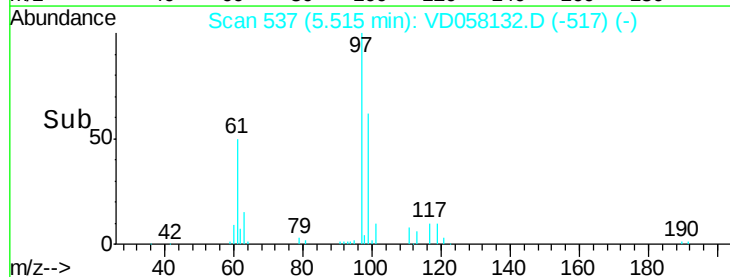
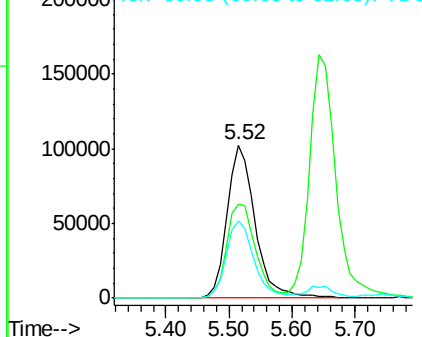
97 100

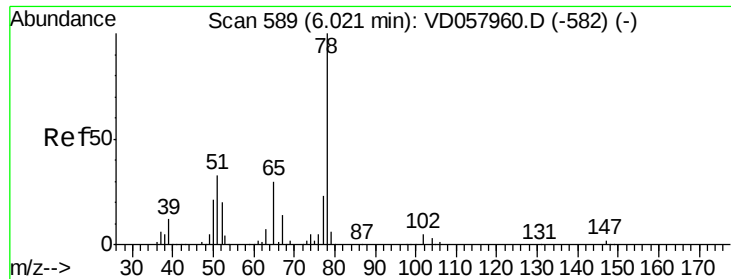
99 61.6 50.1 75.1

61 50.2 42.2 63.4



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





#33

1,2-Dichloroethane-d4

Concen: 20.828 ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

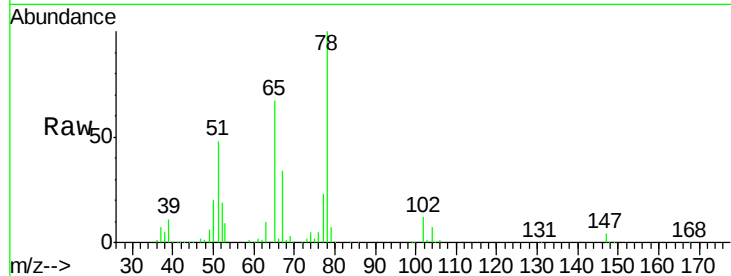
ClientSampleId :

Tot Ion: 65 Resp: 395016

Ion Ratio Lower Upper

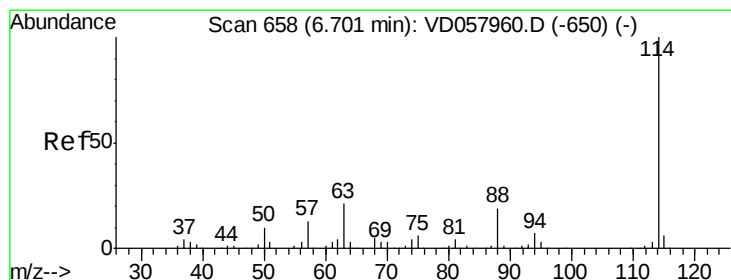
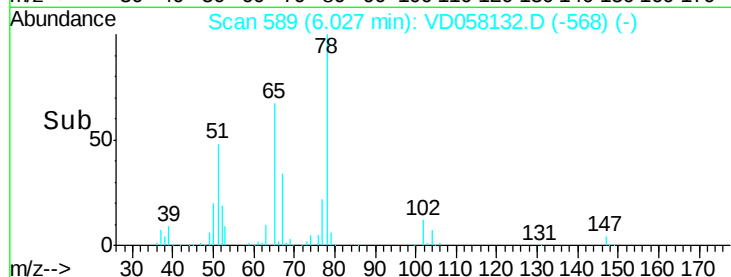
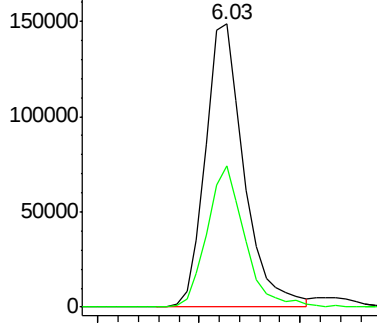
65 100

67 49.9 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

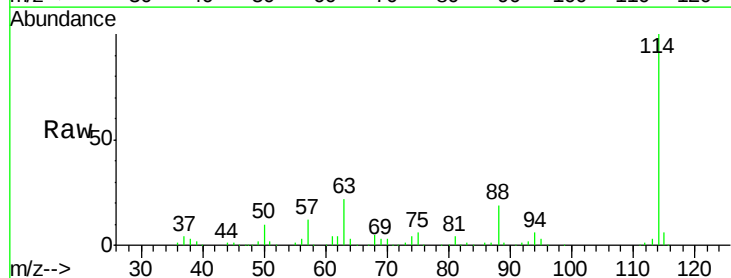
Tgt Ion: 114 Resp: 1157905

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.8

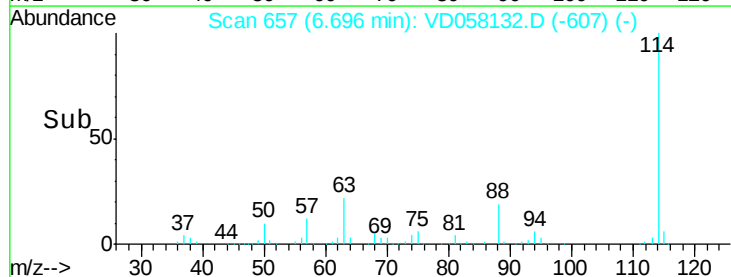
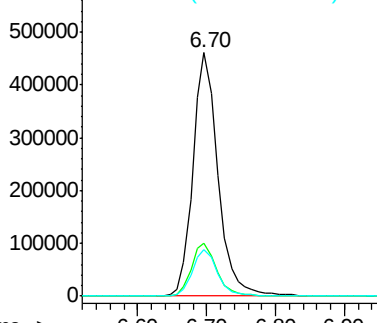
88 19.1 0.0 37.8

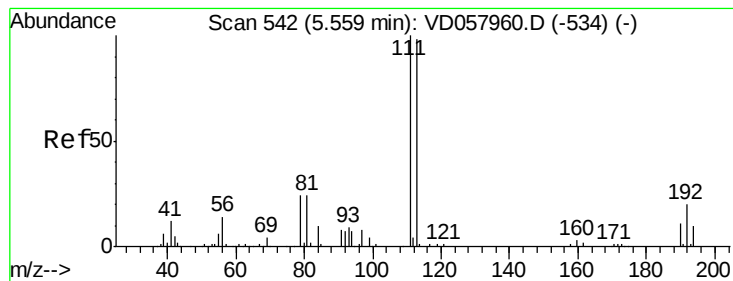


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

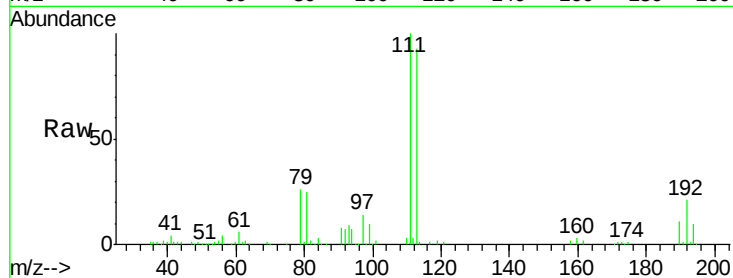
Tot Ion:113 Resp: 426447

Ion Ratio Lower Upper

113 100

111 107.6 81.5 122.3

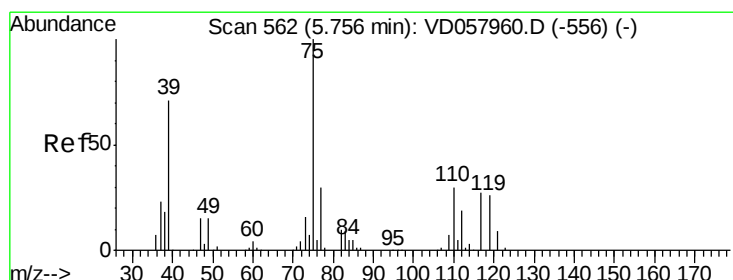
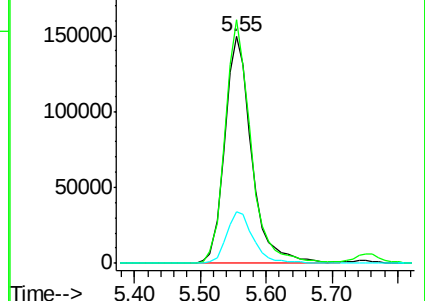
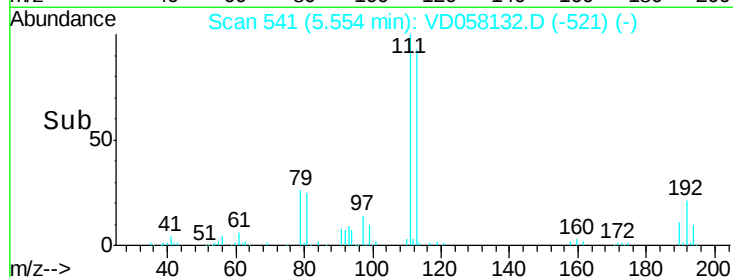
192 22.9 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.938 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

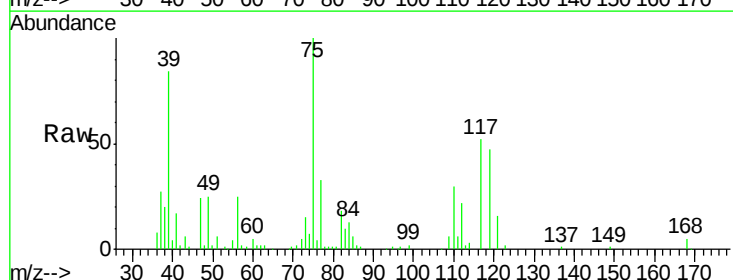
Tgt Ion: 75 Resp: 279863

Ion Ratio Lower Upper

75 100

110 29.9 14.8 44.3

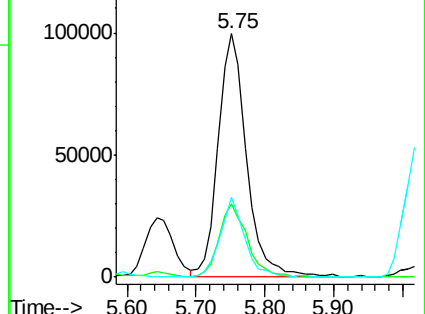
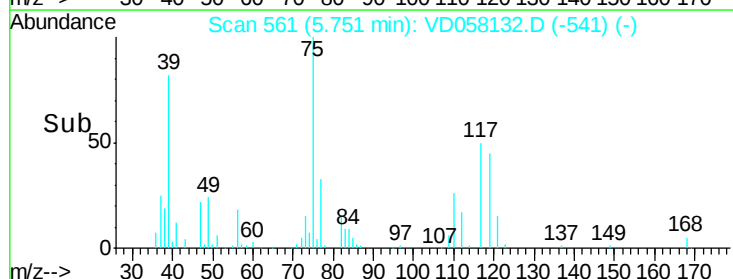
77 32.6 23.9 35.9

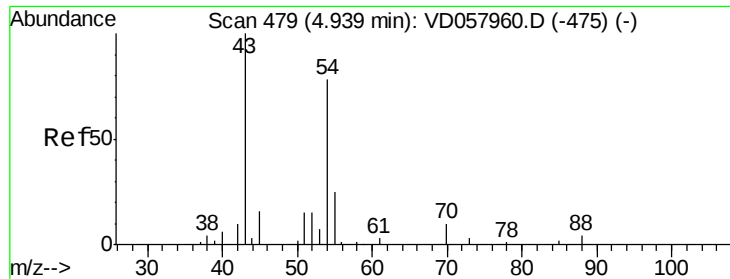


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

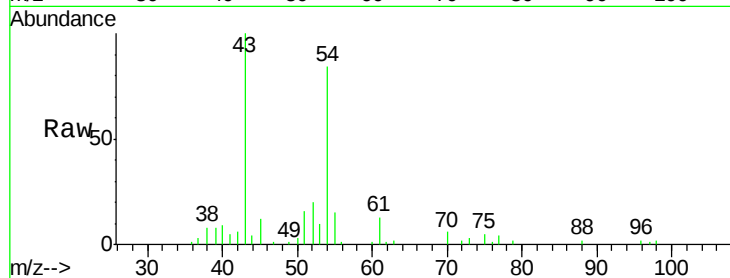




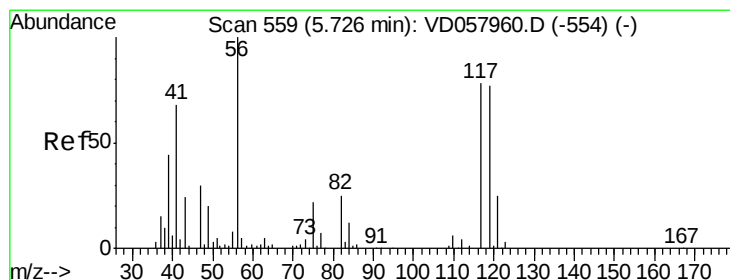
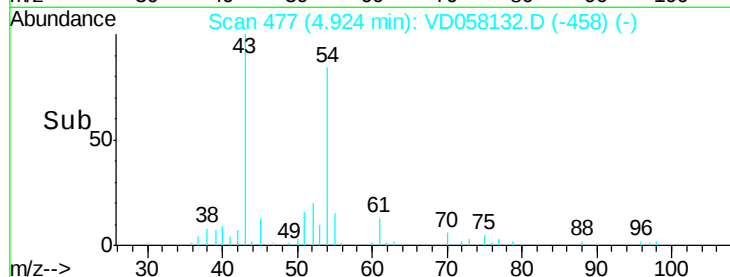
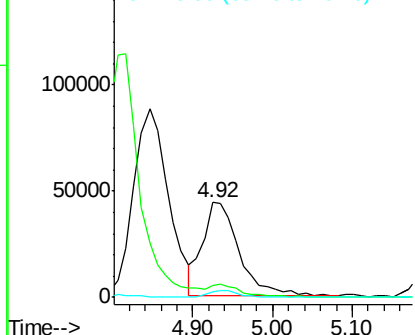
#37
Ethyl Acetate
Concen: 20.301 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 141316
Ion Ratio Lower Upper
43 100
61 13.0 9.9 14.9
70 6.4 5.7 8.5

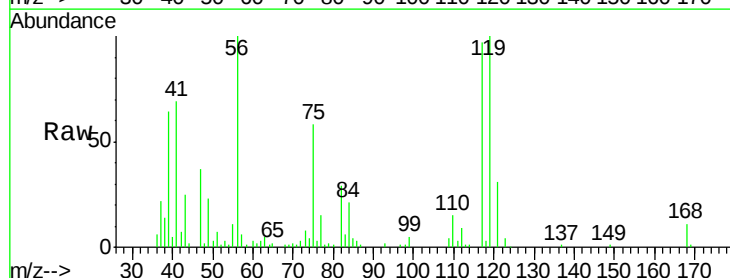


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

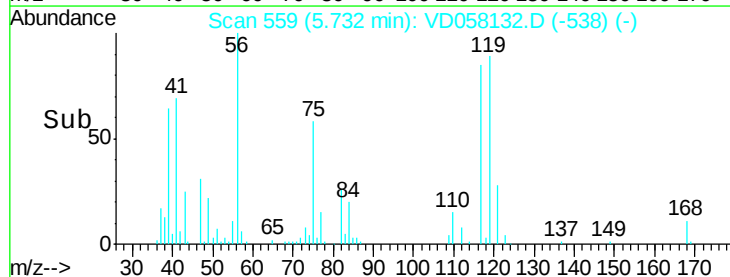
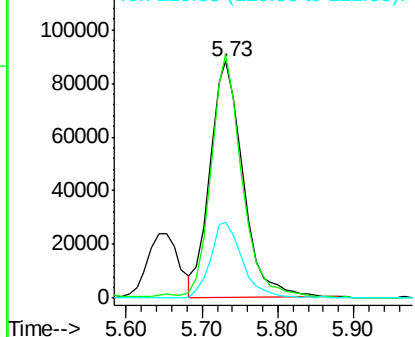


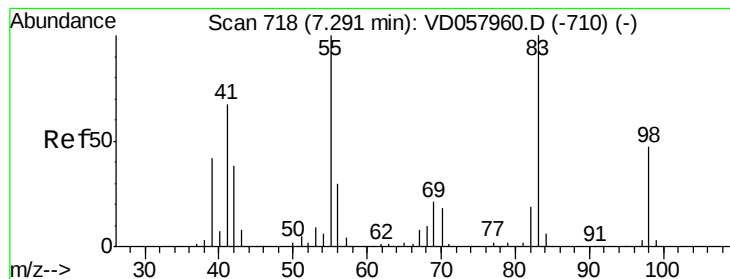
#38
Carbon Tetrachloride
Concen: 21.237 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion: 117 Resp: 267001
Ion Ratio Lower Upper
117 100
119 102.9 76.1 114.1
121 31.9 24.9 37.3



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





#39

Methvlcvclohexane

Concen: 21.962 ug/l

RT: 7.29 min Scan# 717

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :

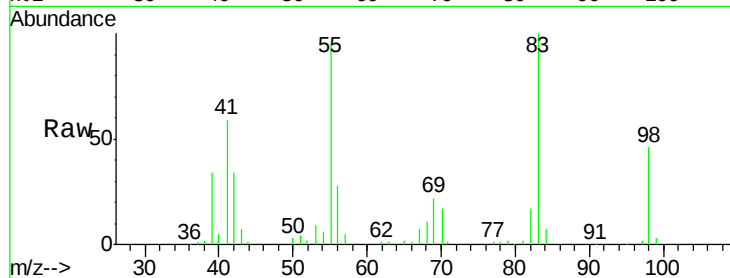
Tot Ion: 83 Resp: 277738

Ion Ratio Lower Upper

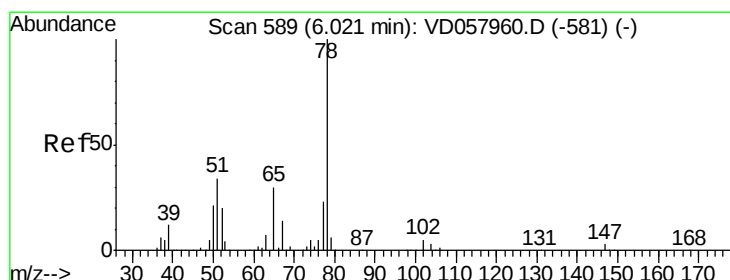
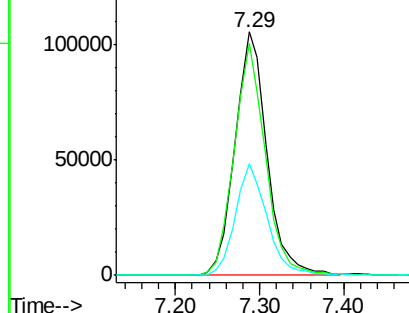
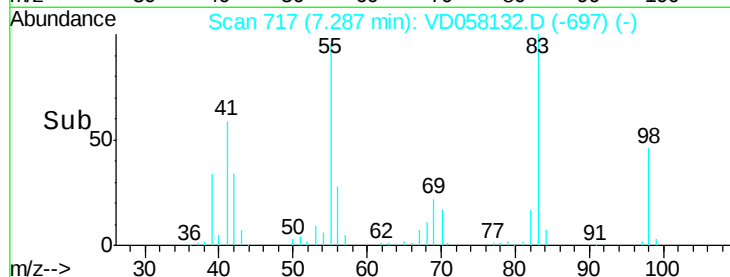
83 100

55 95.2 80.3 120.5

98 45.9 38.0 57.0



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



#40

Benzene

Concen: 21.878 ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD058132.D

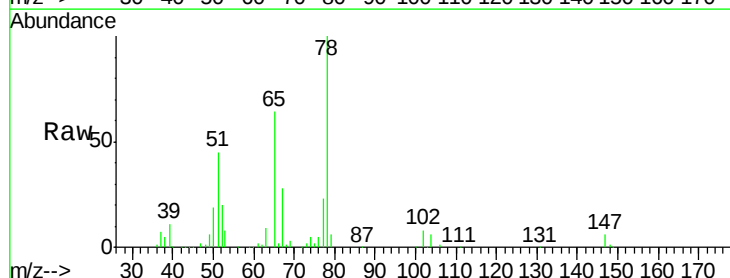
Acq: 14 Jun 2018 13:34

Tgt Ion: 78 Resp: 651996

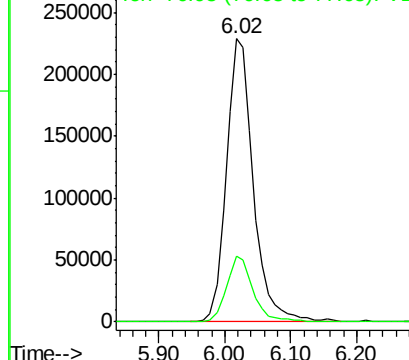
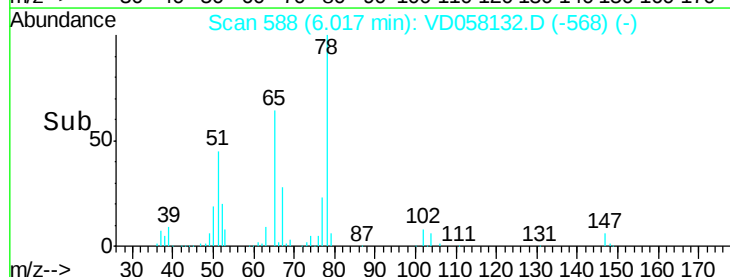
Ion Ratio Lower Upper

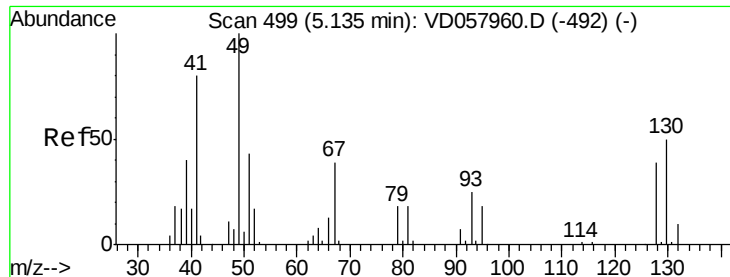
78 100

77 23.1 18.1 27.1



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





#41

Methacrylonitrile

Concen: 20.747 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 66032

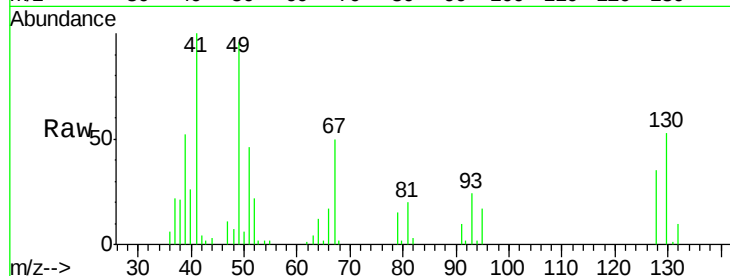
Ion Ratio Lower Upper

41 100

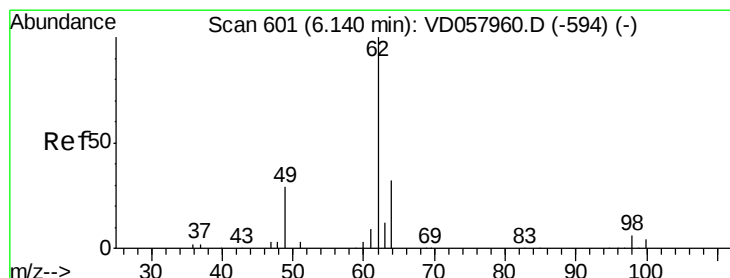
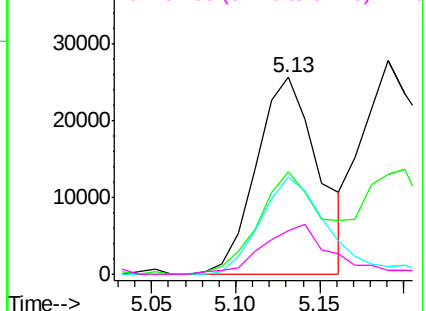
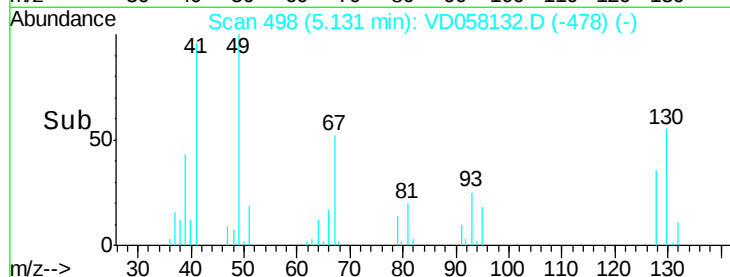
39 52.0 40.7 61.1

67 49.8 38.8 58.2

52 21.9 17.3 25.9



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



#42

1,2-Dichloroethane

Concen: 20.334 ug/l

RT: 6.14 min Scan# 600

Delta R.T. -0.00 min

Lab File: VD058132.D

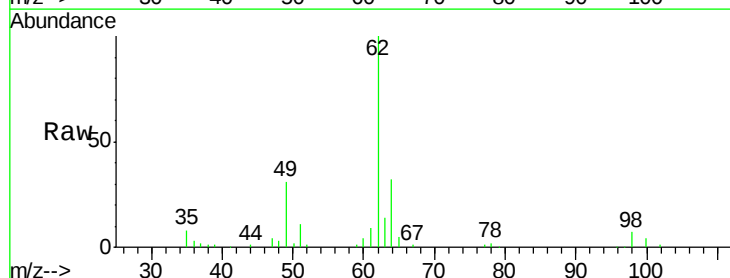
Acq: 14 Jun 2018 13:34

Tgt Ion: 62 Resp: 245007

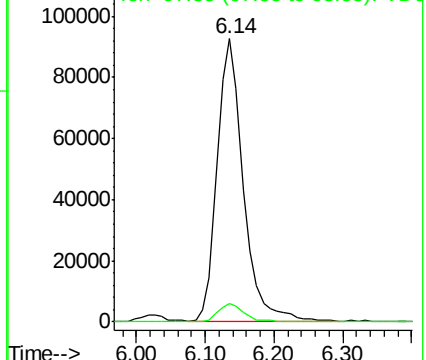
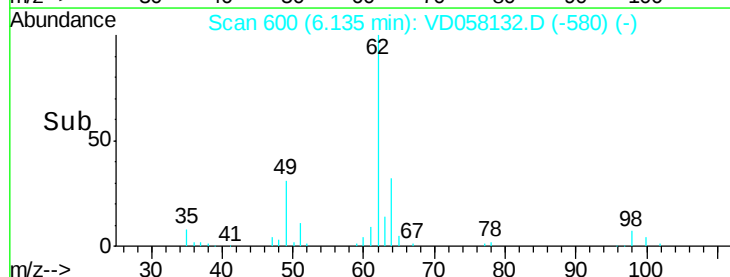
Ion Ratio Lower Upper

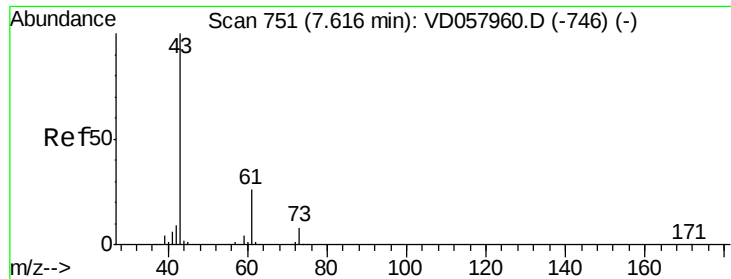
62 100

98 6.7 0.0 12.8



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



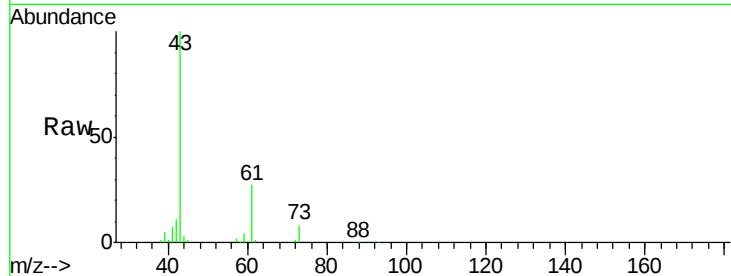


#43

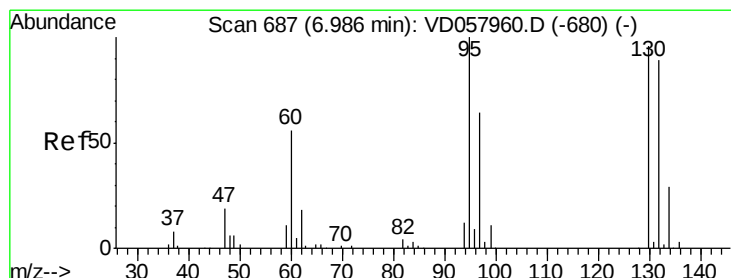
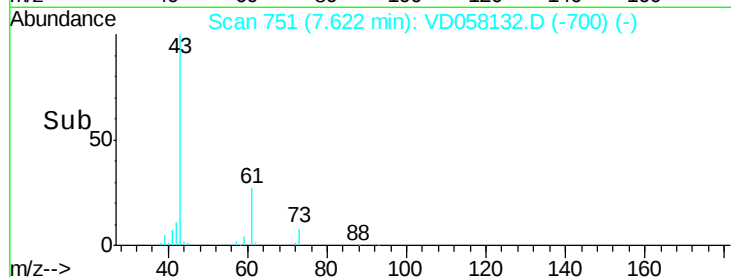
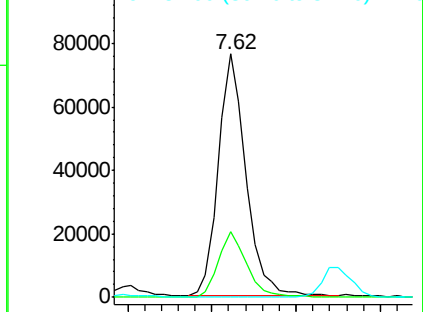
Isopropyl Acetate
 Concen: 19.065 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 173826
 Ion Ratio Lower Upper
 43 100
 61 27.0 20.6 30.8
 87 0.0 0.2 0.4#



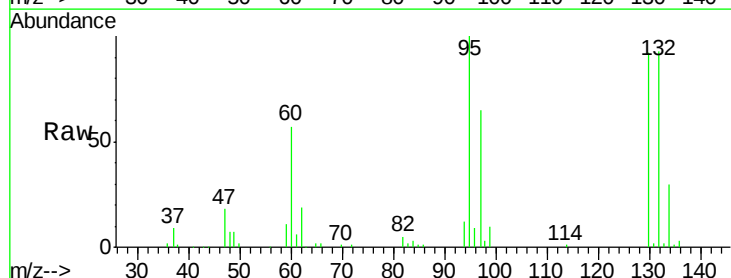
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



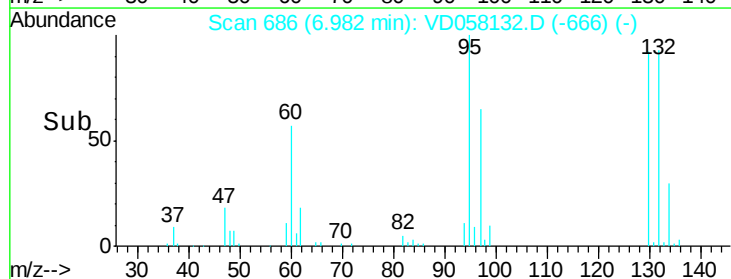
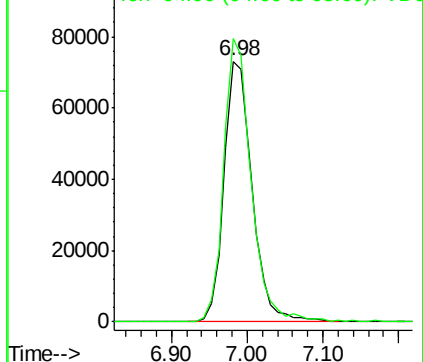
#44

Trichloroethene
 Concen: 21.519 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion:130 Resp: 187318
 Ion Ratio Lower Upper
 130 100
 95 108.5 0.0 207.4



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





#45

1,2-Dichloropropane

Concen: 21.029 ug/l

RT: 7.36 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

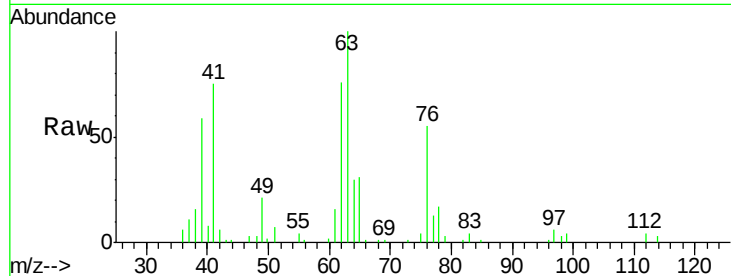
ClientSampleId :

Tot Ion: 63 Resp: 174179

Ion Ratio Lower Upper

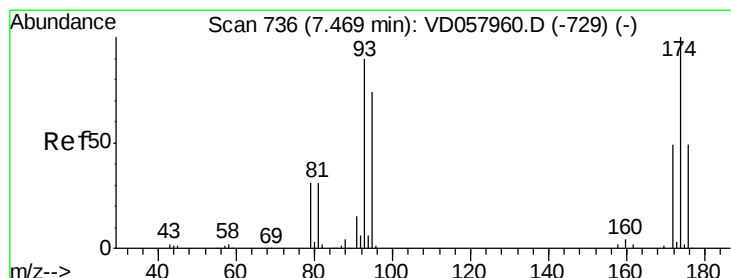
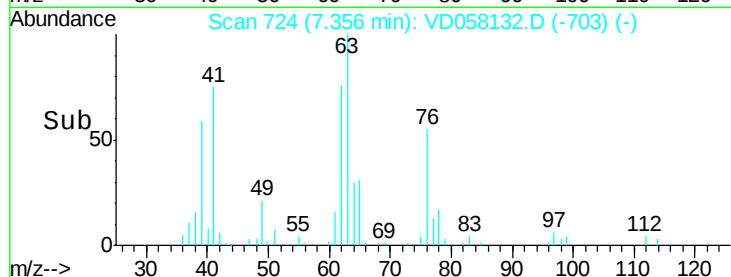
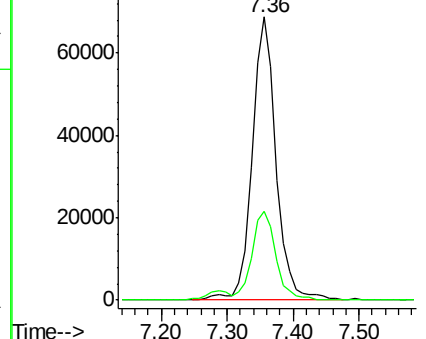
63 100

65 31.2 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.465 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

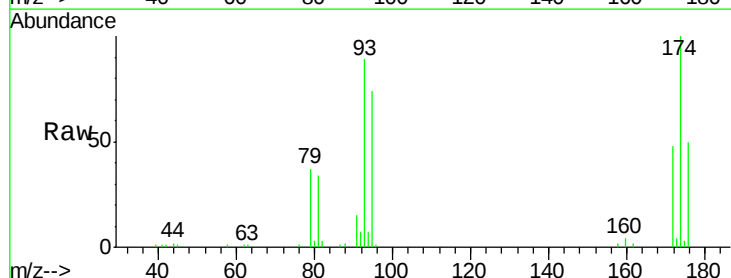
Tgt Ion: 93 Resp: 108889

Ion Ratio Lower Upper

93 100

95 82.8 65.7 98.5

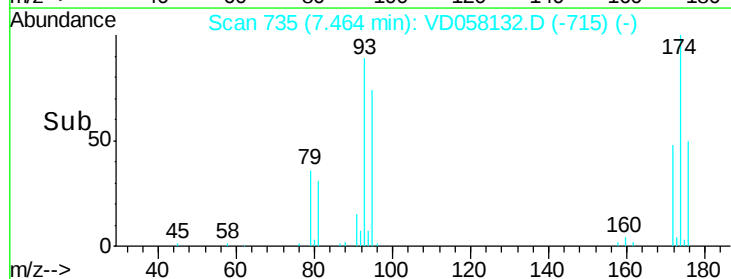
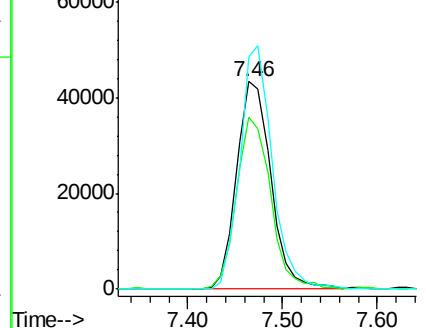
174 111.9 89.0 133.4

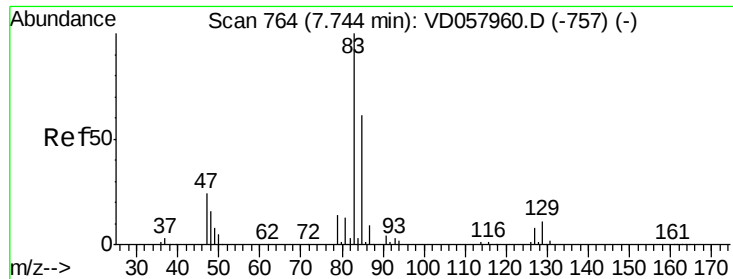


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.515 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

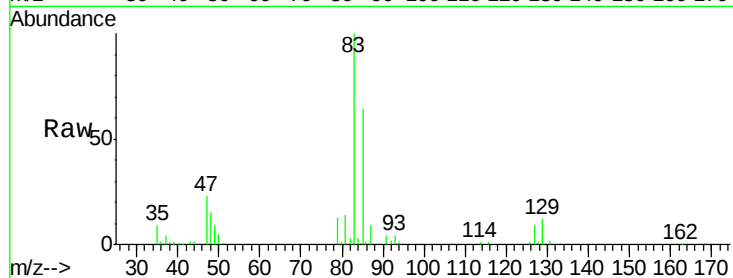
Tot Ion: 83 Resp: 255576

Ion Ratio Lower Upper

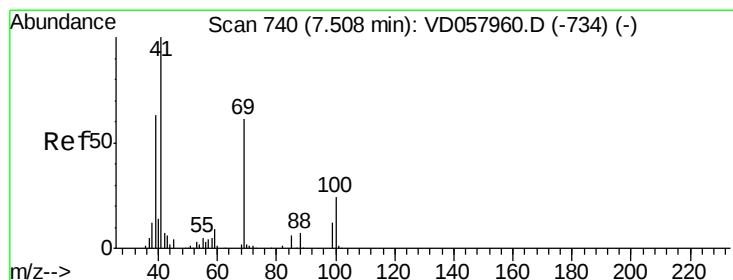
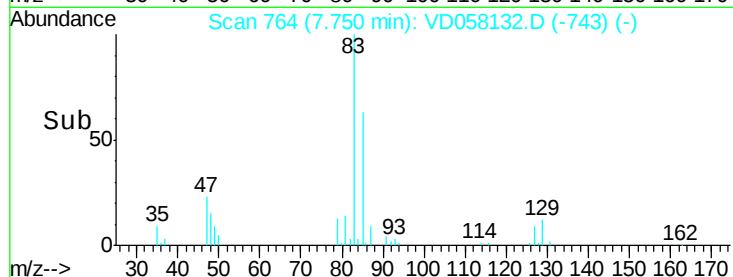
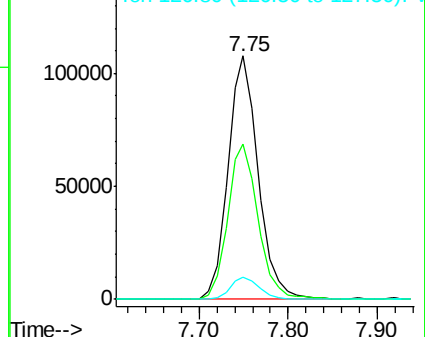
83 100

85 63.7 49.1 73.7

127 9.0 6.2 9.2



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



#48

Methyl methacrylate

Concen: 17.796 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

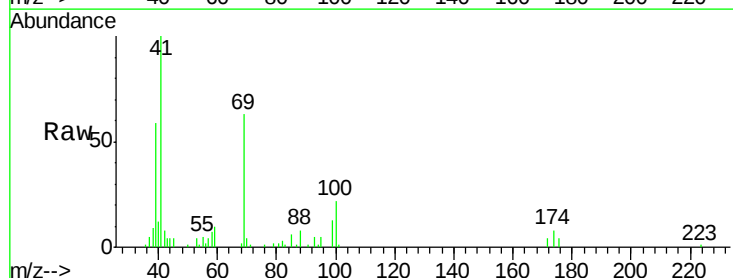
Tgt Ion: 41 Resp: 99866

Ion Ratio Lower Upper

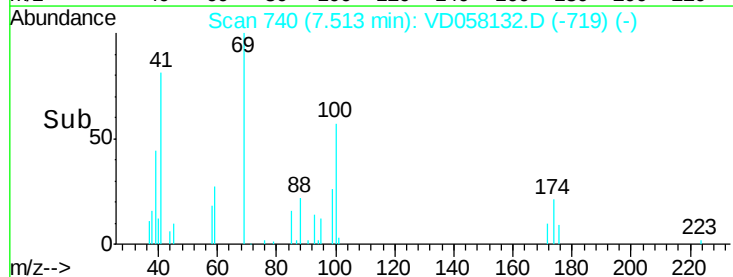
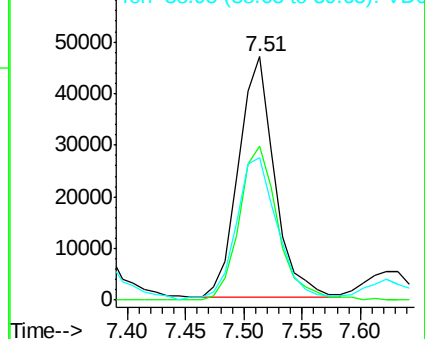
41 100

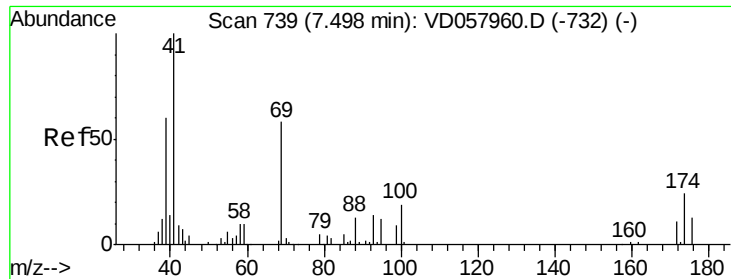
69 63.5 48.0 72.0

39 58.6 50.7 76.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

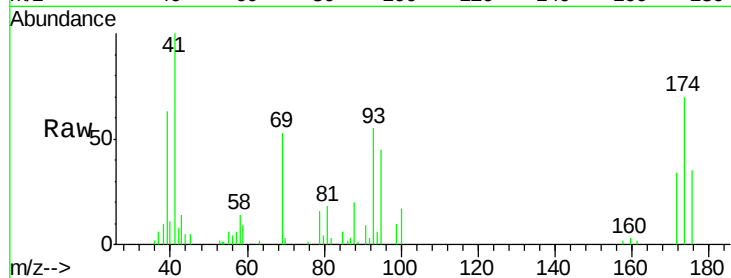




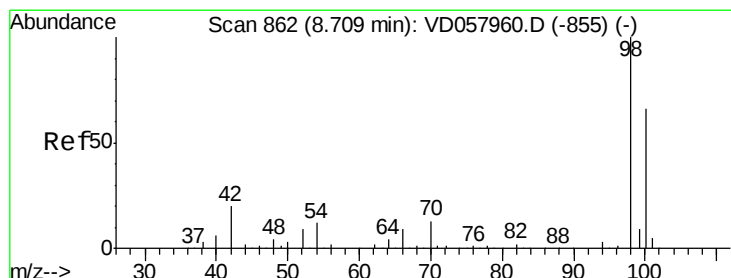
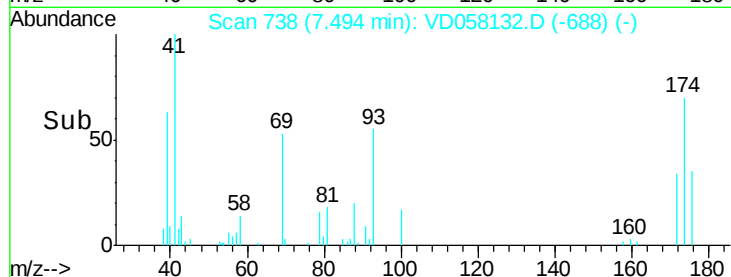
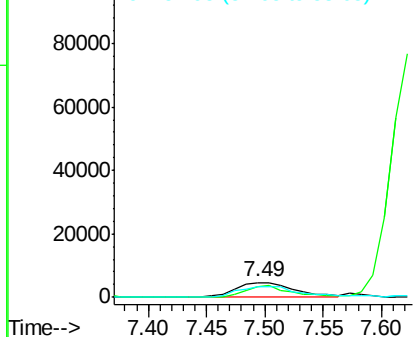
#49
1,4-Dioxane
Concen: 361.005 ug/l
RT: 7.49 min Scan# 738
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 16783
Ion Ratio Lower Upper
88 100
43 71.0 46.6 69.8#
58 68.9 63.6 95.4

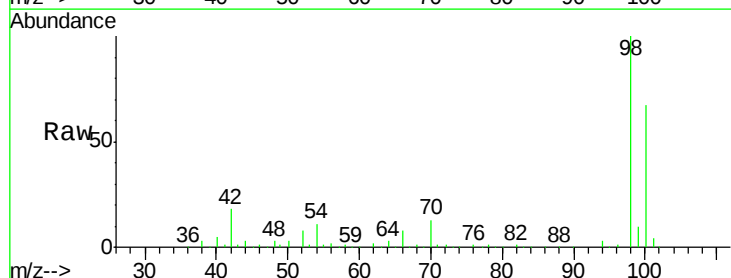


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

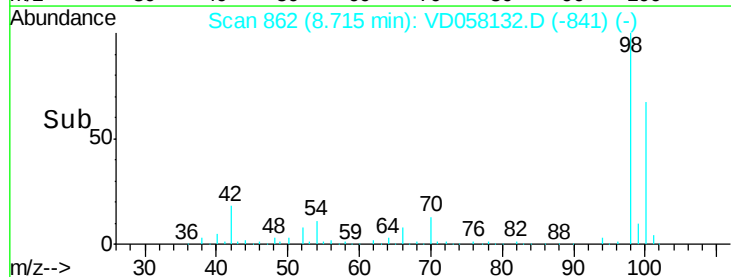
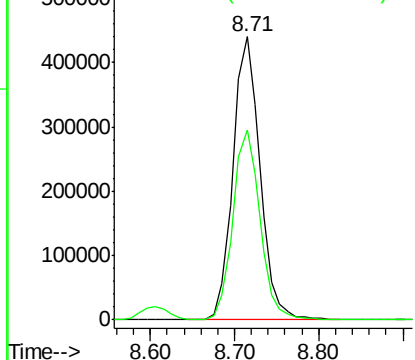


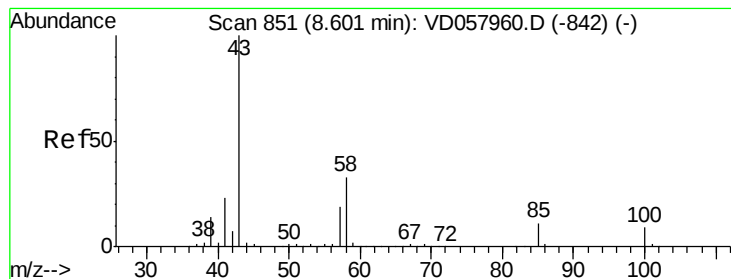
#50
Toluene-d8
Concen: 361.005 ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion: 98 Resp: 985256
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.0



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





#51

4-Methyl-2-Pentanone

Concen: 100.982 ug/l

RT: 8.61 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

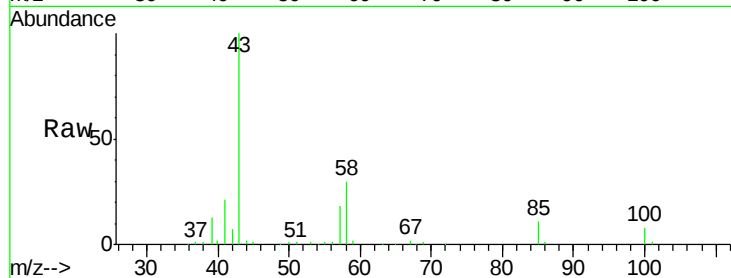
ClientSampled :

Tot Ion: 43 Resp: 590556

Ion Ratio Lower Upper

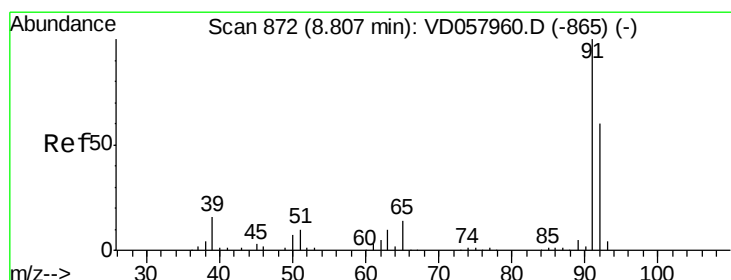
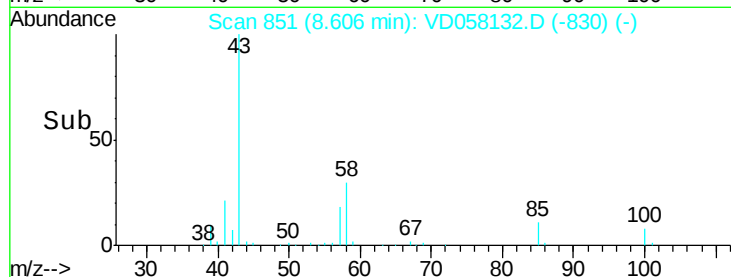
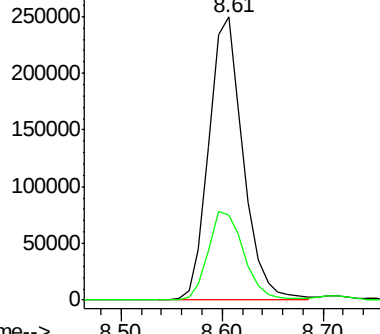
43 100

58 30.0 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.844 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD058132.D

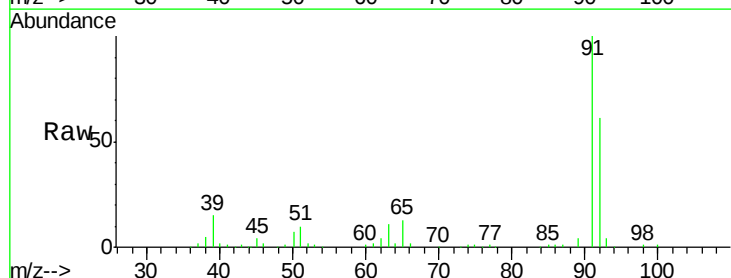
Acq: 14 Jun 2018 13:34

Tgt Ion: 92 Resp: 373600

Ion Ratio Lower Upper

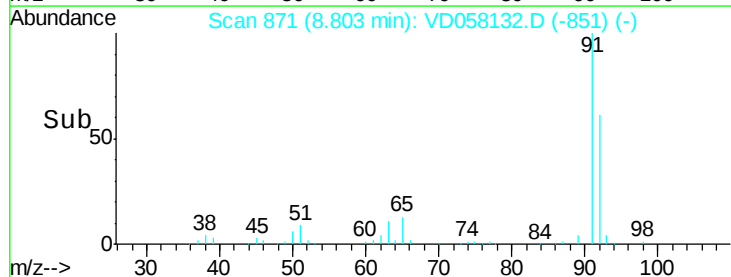
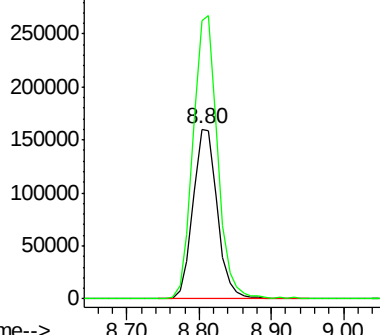
92 100

91 164.0 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

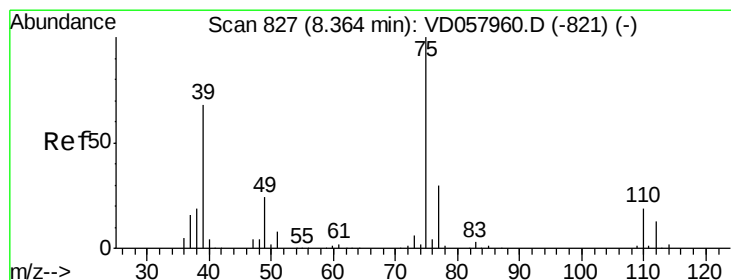
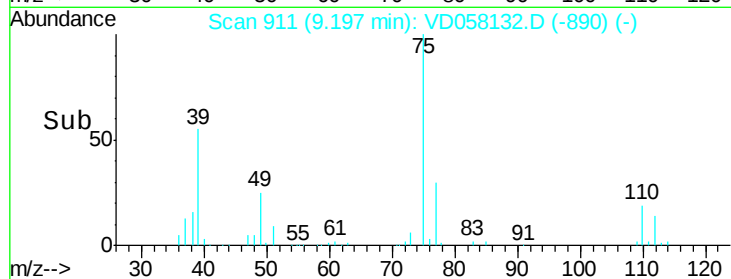
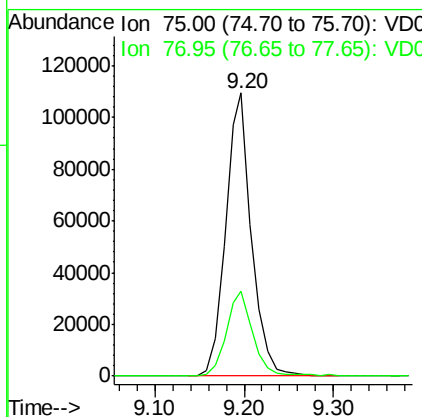
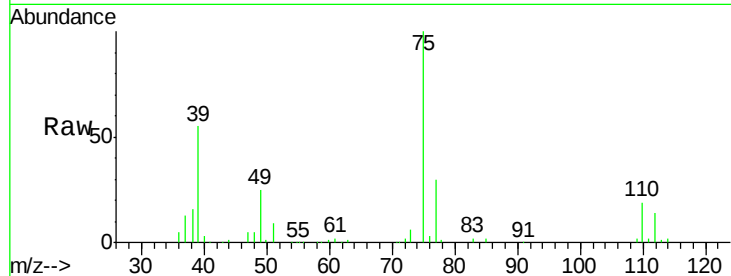




#53
t-1,3-Dichloropropene
Concen: 20.608 ug/l
RT: 9.20 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

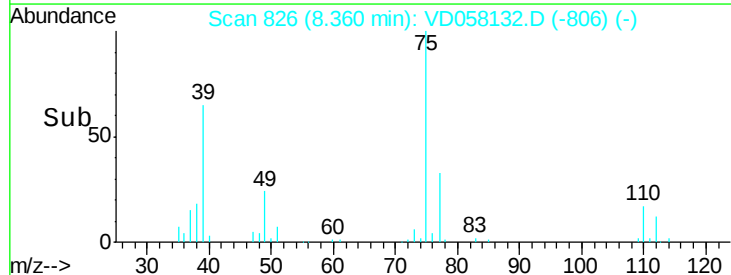
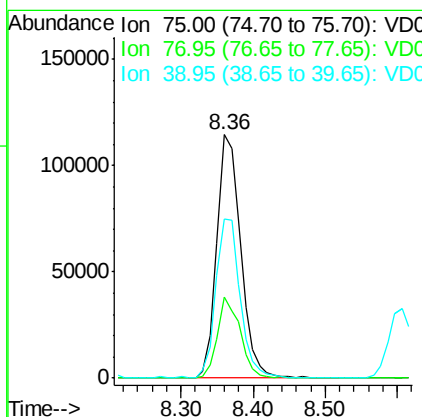
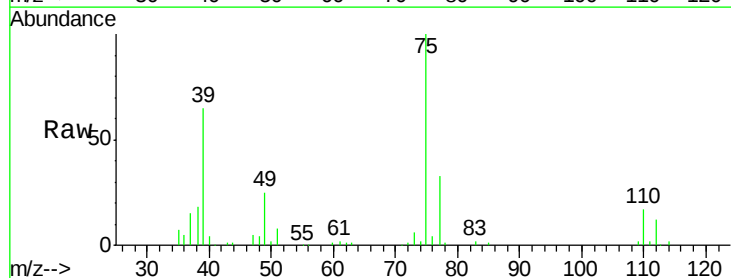
Instrument :
MSVOA_D
ClientSampleId :

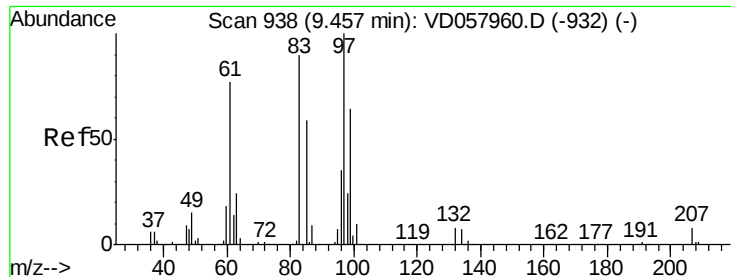
Tot Ion: 75 Resp: 221198
Ion Ratio Lower Upper
75 100
77 30.1 24.3 36.5



#54
cis-1,3-Dichloropropene
Concen: 20.761 ug/l
RT: 8.36 min Scan# 826
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion: 75 Resp: 262527
Ion Ratio Lower Upper
75 100
77 33.0 24.1 36.1
39 65.4 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 21.459 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 118781

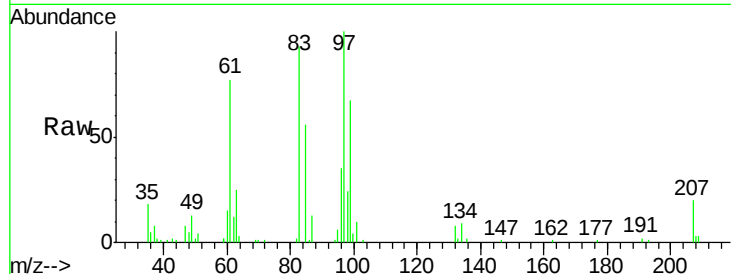
Ion Ratio Lower Upper

97 100

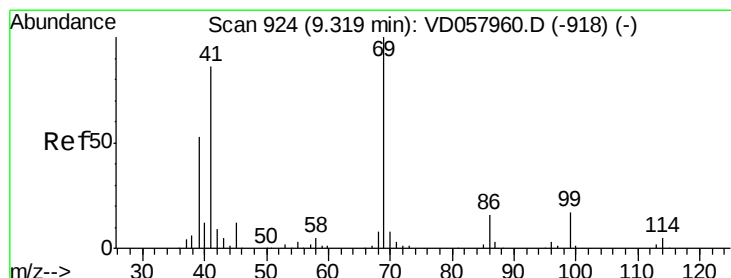
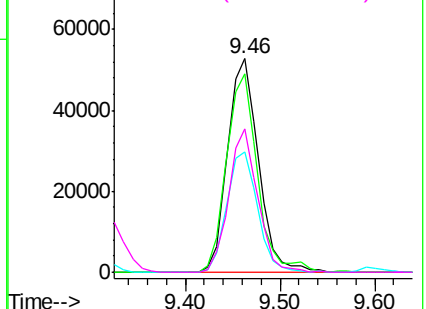
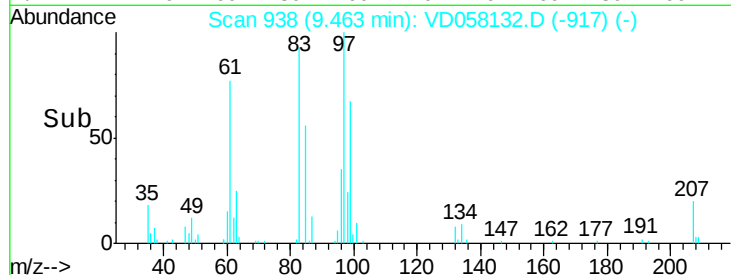
83 93.2 71.8 107.8

85 56.5 47.2 70.8

99 67.4 51.4 77.0



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



#56

Ethyl methacrylate

Concen: 20.425 ug/l

RT: 9.32 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

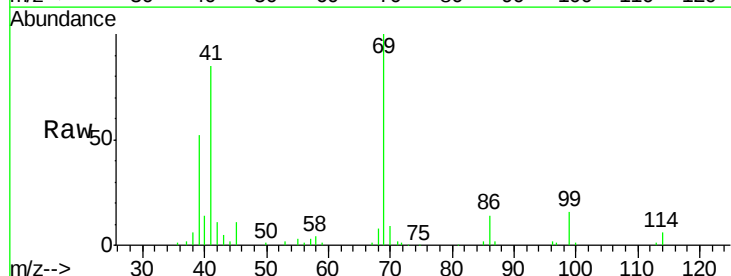
Tgt Ion: 69 Resp: 138685

Ion Ratio Lower Upper

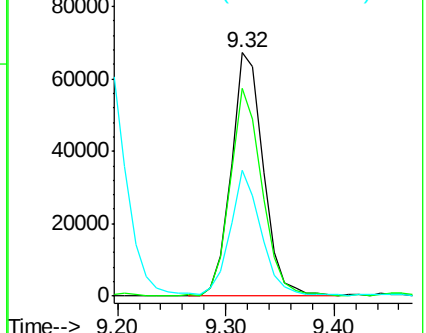
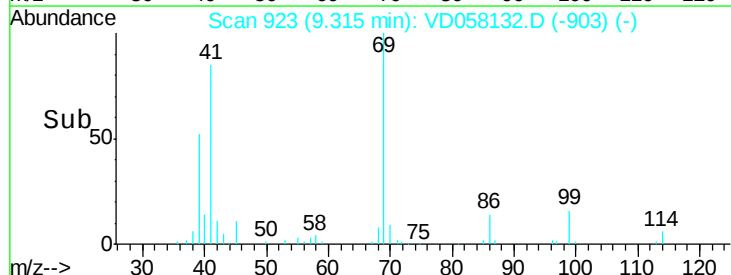
69 100

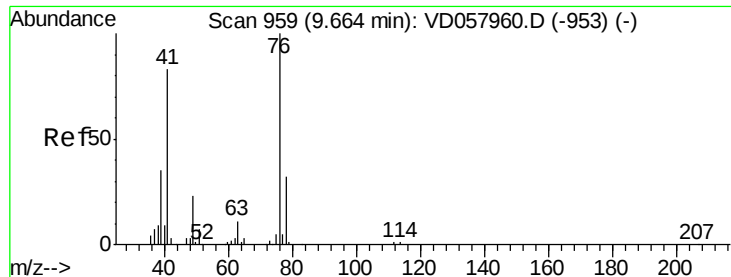
41 85.5 68.4 102.6

39 51.6 43.0 64.4



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

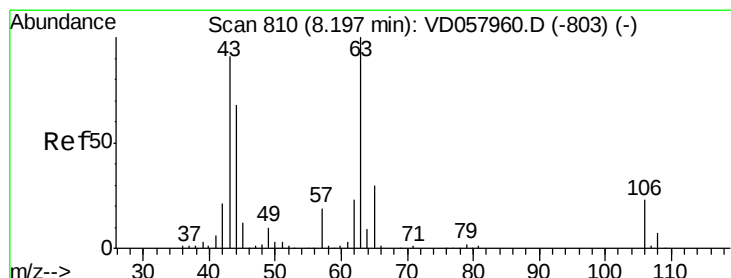
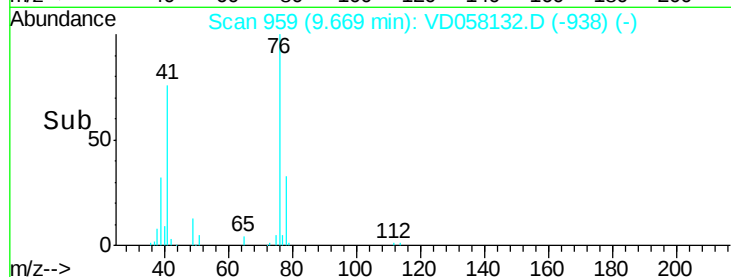
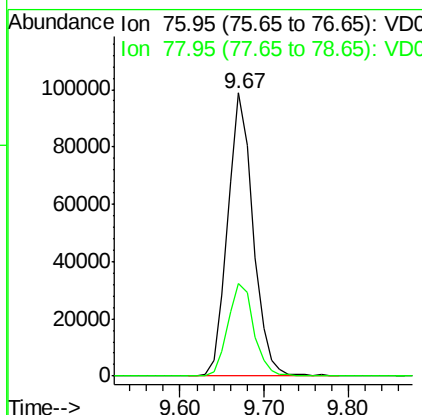
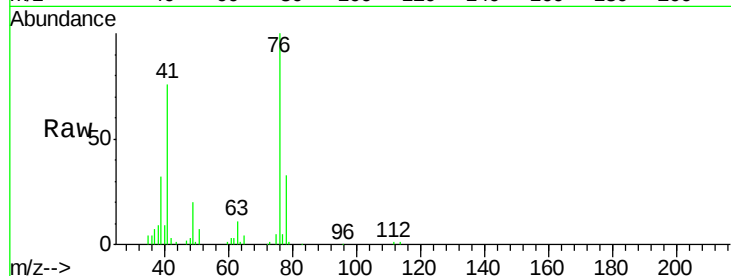




#57
 1,3-Dichloropropane
 Concen: 21.358 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

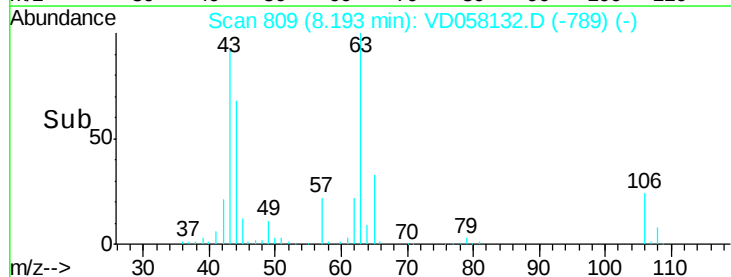
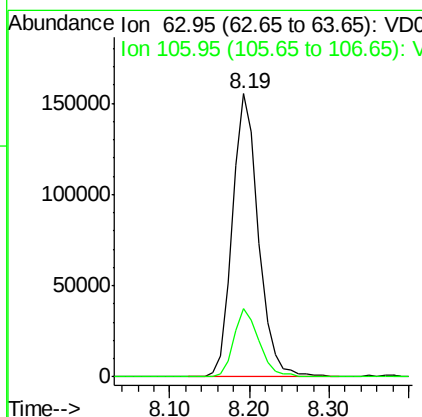
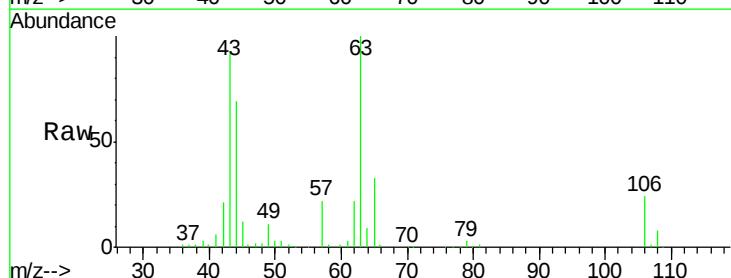
Instrument :
 MSVOA_D
 ClientSampled :

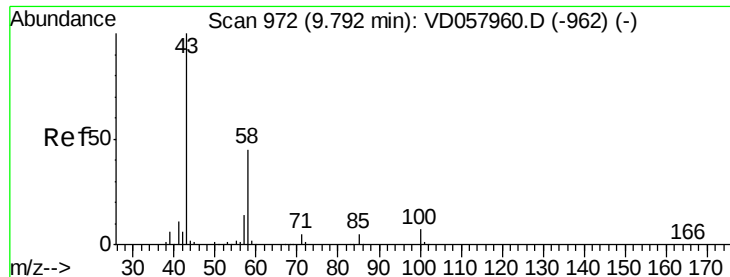
Tot Ion: 76 Resp: 207351
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.244 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion: 63 Resp: 354176
 Ion Ratio Lower Upper
 63 100
 106 24.1 18.7 28.1

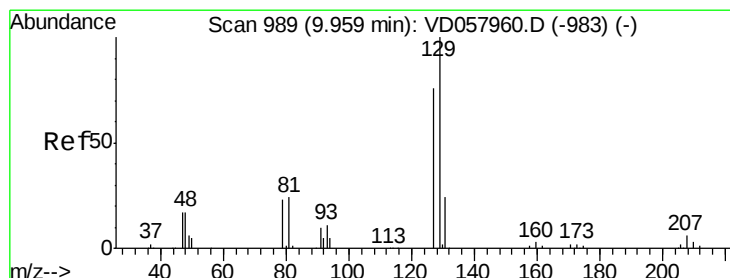
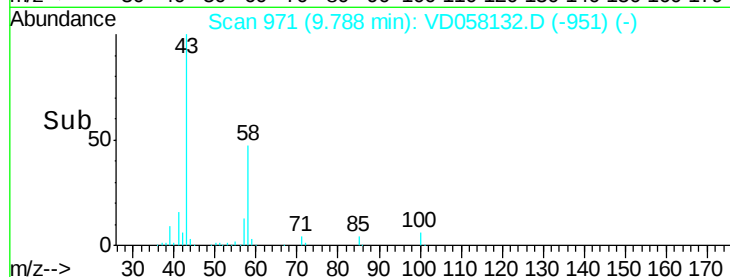
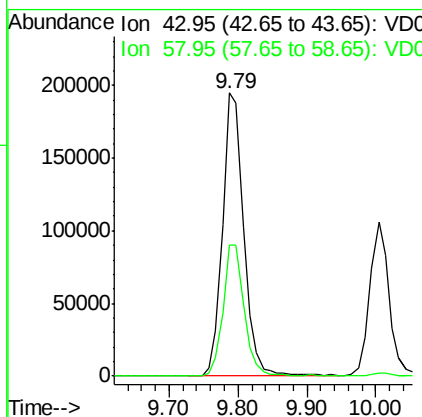
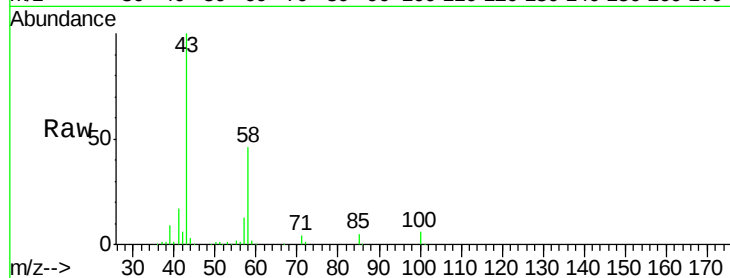




#59
2-Hexanone
Concen: 97.351 ug/l
RT: 9.79 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

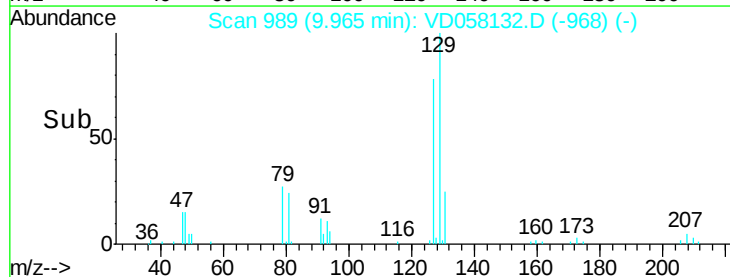
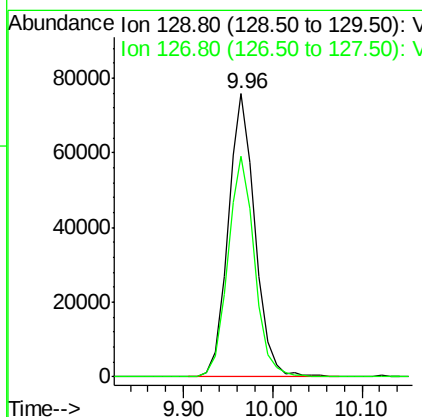
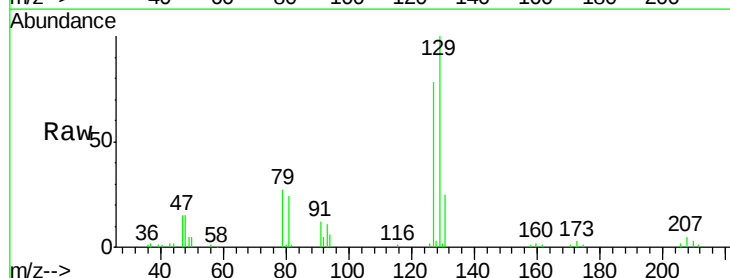
Instrument :
MSVOA_D
ClientSampleId :

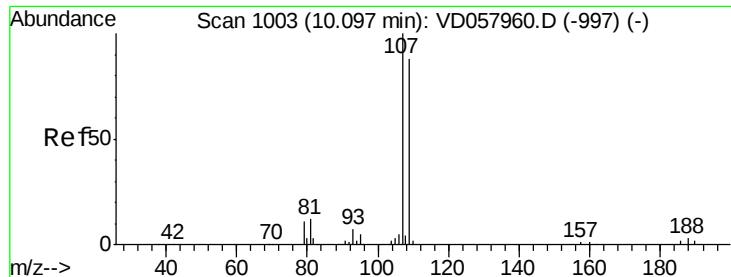
Tot Ion: 43 Resp: 417223
Ion Ratio Lower Upper
43 100
58 46.1 22.5 67.5



#60
Dibromochloromethane
Concen: 20.376 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion: 129 Resp: 159051
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.625 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

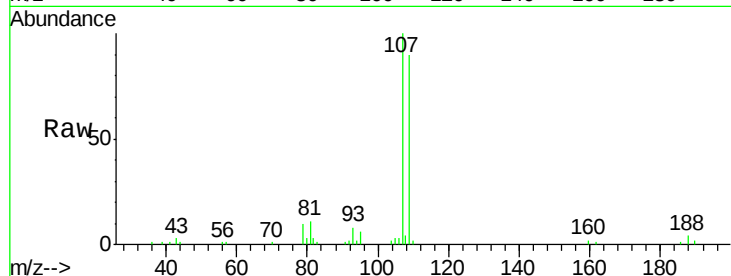
ClientSampleId :

Tot Ion:107 Resp: 131292

Ion Ratio Lower Upper

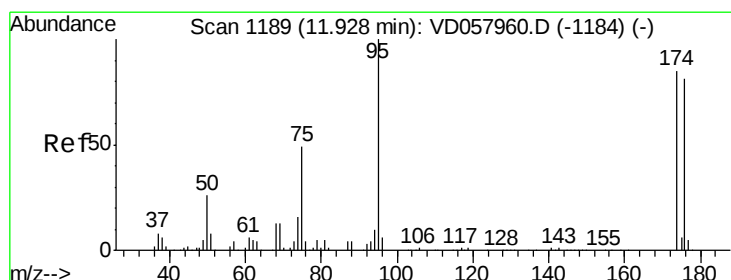
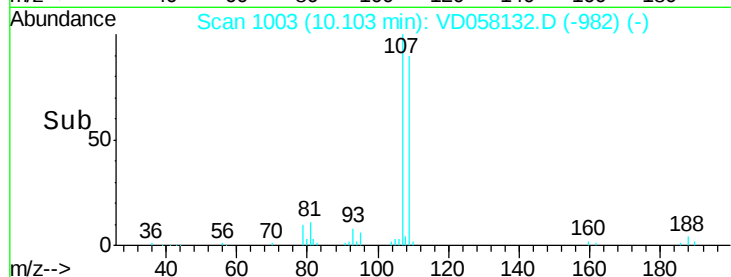
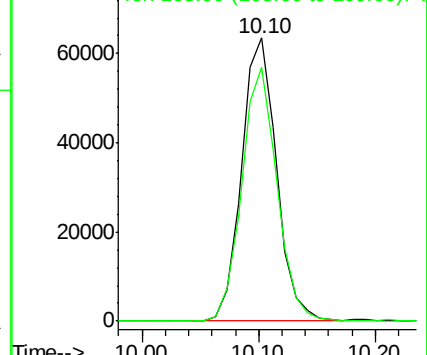
107 100

109 89.7 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.625 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

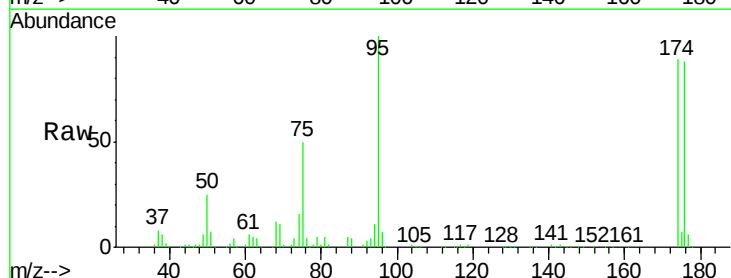
Tgt Ion: 95 Resp: 414638

Ion Ratio Lower Upper

95 100

174 88.9 0.0 169.4

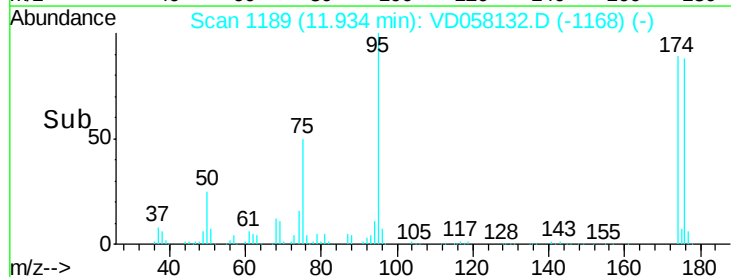
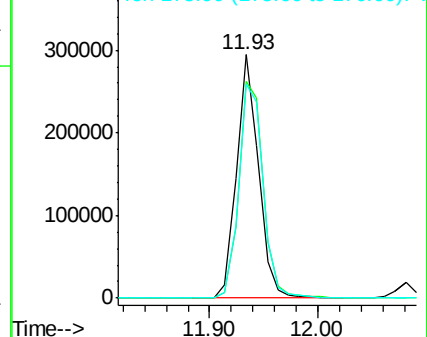
176 87.9 0.0 162.6

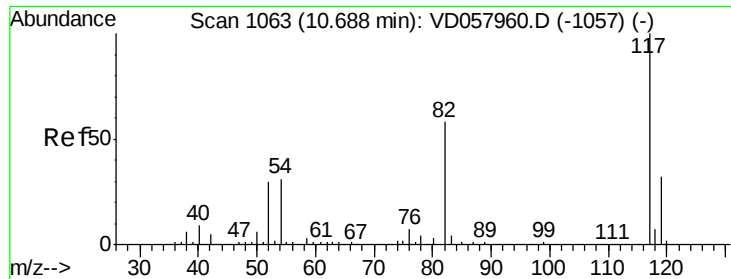


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

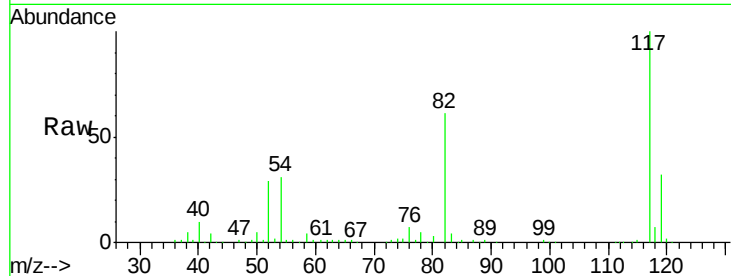




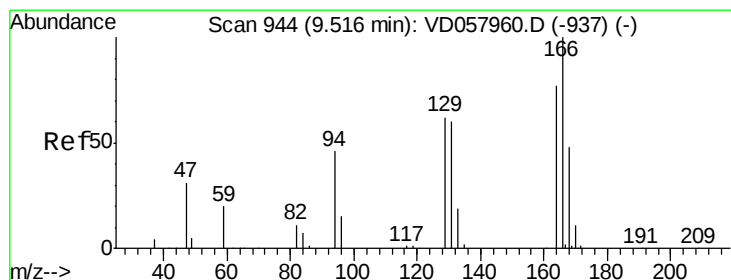
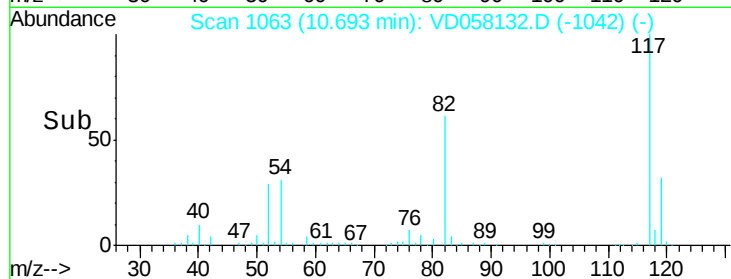
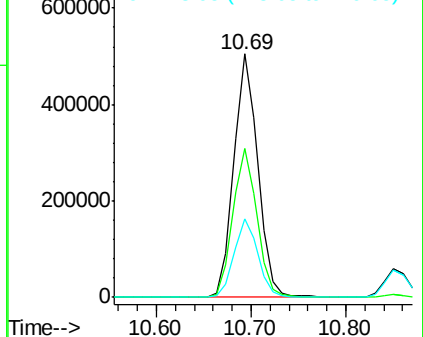
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 888683
Ion Ratio Lower Upper
117 100
82 61.3 46.8 70.2
119 32.5 25.8 38.6

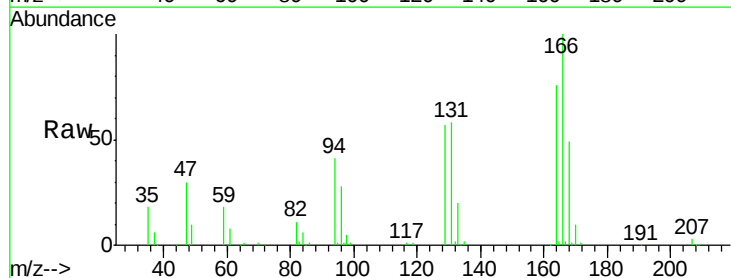


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

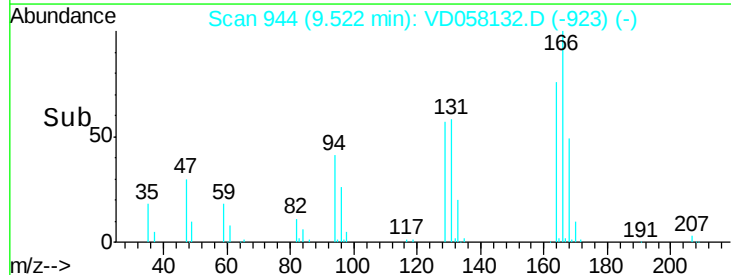
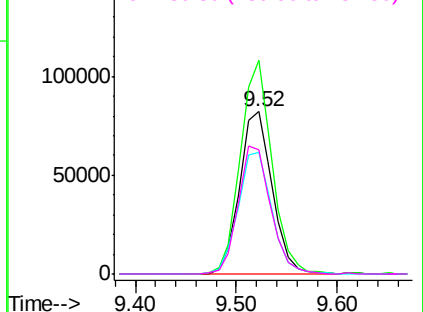


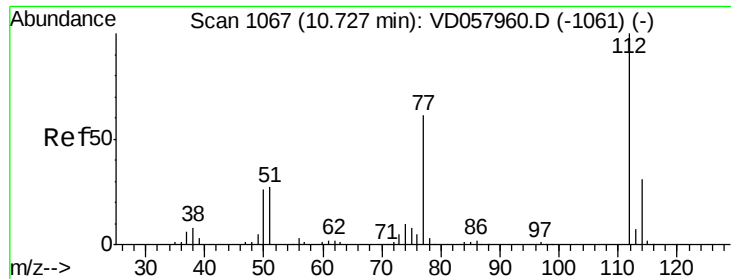
#64
Tetrachloroethene
Concen: 23.236 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion:164 Resp: 184606
Ion Ratio Lower Upper
164 100
166 131.9 104.4 156.6
129 74.7 65.0 97.6
131 76.7 62.9 94.3



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

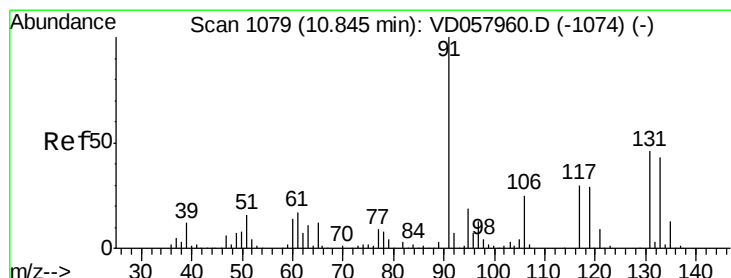
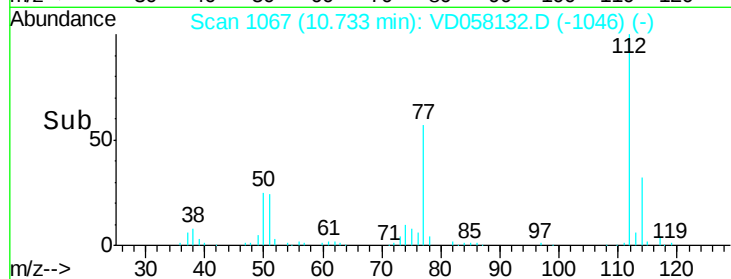
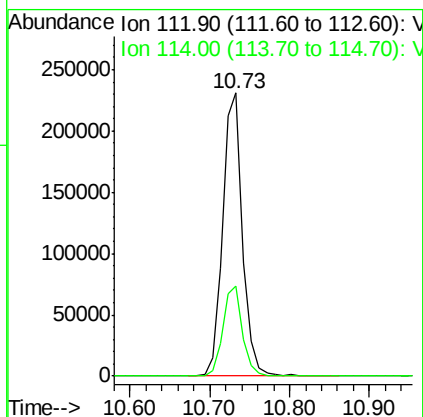
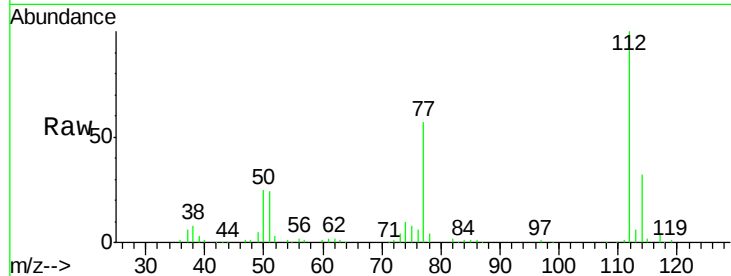




#65
Chlorobenzene
Concen: 22.509 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

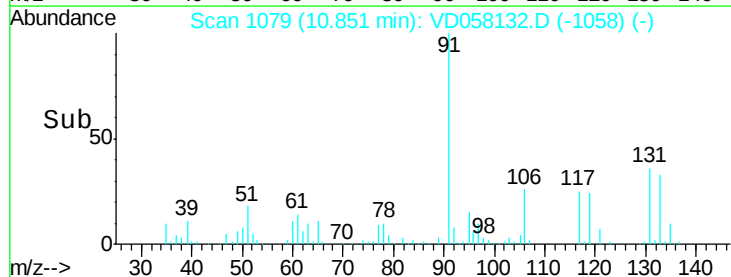
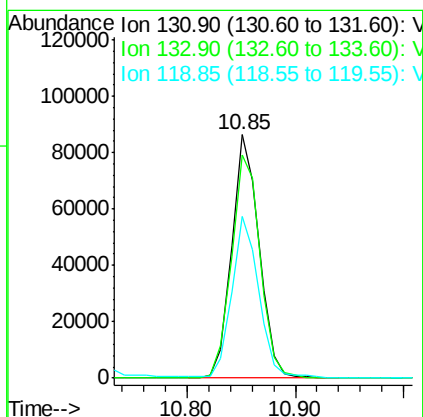
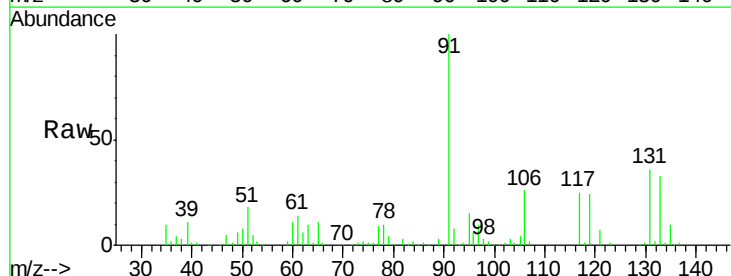
Instrument :
MSVOA_D
ClientSampled :

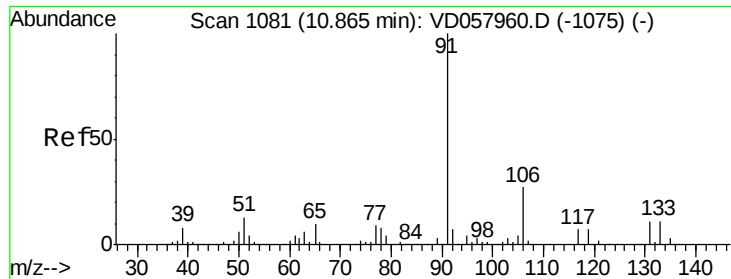
Tot Ion:112 Resp: 404959
Ion Ratio Lower Upper
112 100
114 31.8 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.928 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion:131 Resp: 151567
Ion Ratio Lower Upper
131 100
133 91.9 46.9 140.6
119 66.3 31.8 95.3

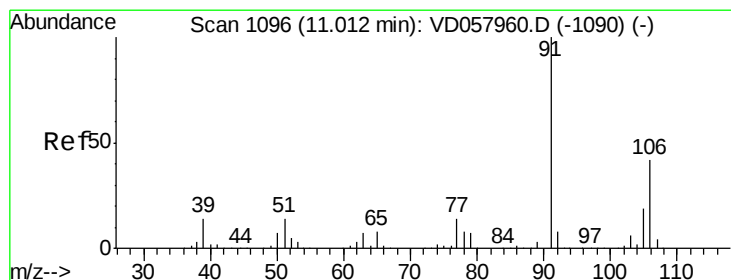
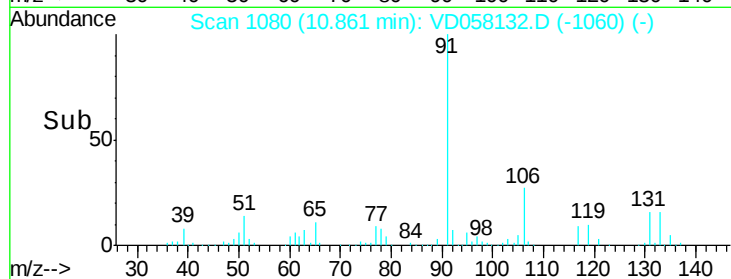
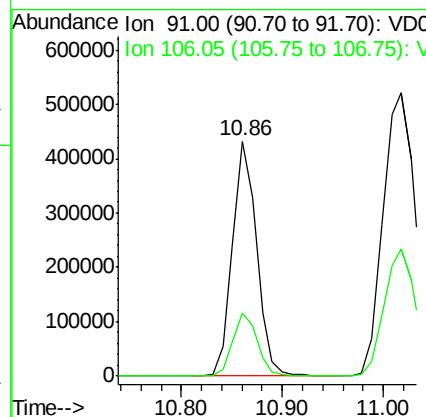
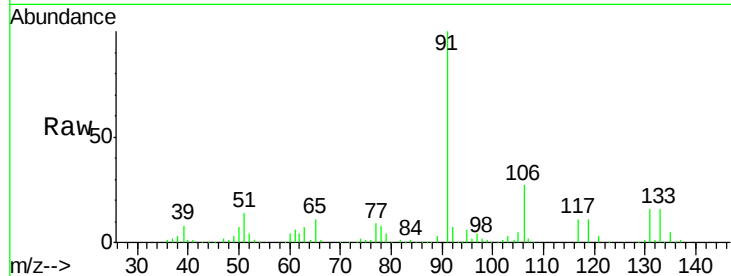




#67
Ethyl Benzene
Concen: 22.156 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

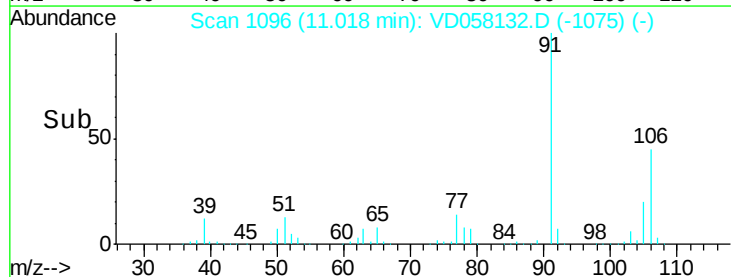
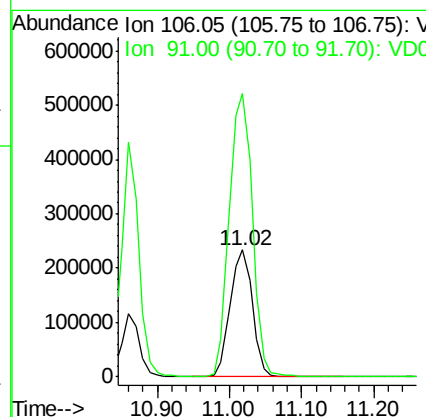
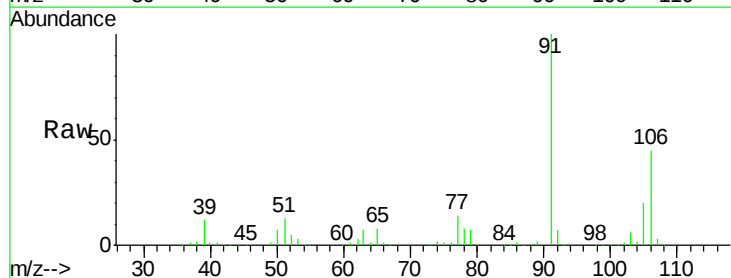
Instrument :
MSVOA_D
ClientSampled :

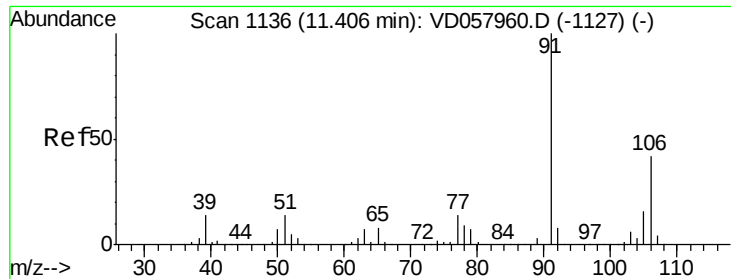
Tot Ion: 91 Resp: 720124
Ion Ratio Lower Upper
91 100
106 26.7 21.5 32.3



#68
m/p-Xylenes
Concen: 47.414 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion: 106 Resp: 502389
Ion Ratio Lower Upper
106 100
91 223.5 190.4 285.6

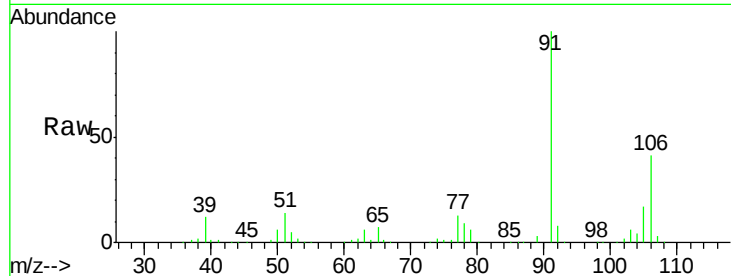




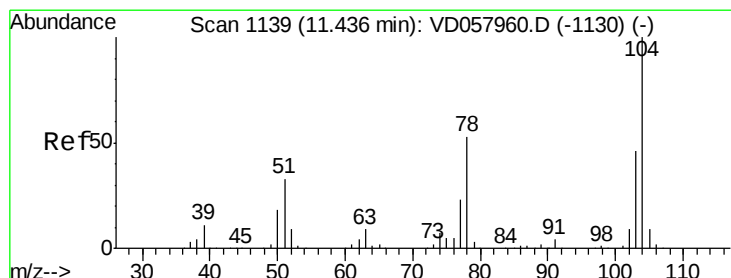
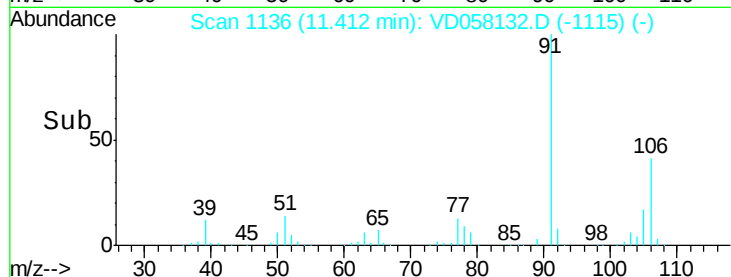
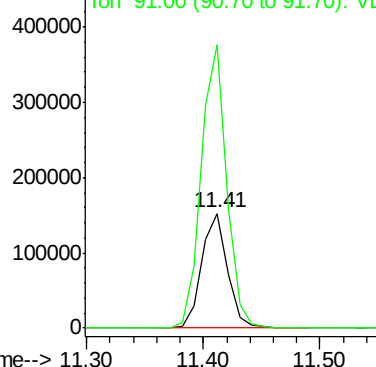
#69
o-Xylene
Concen: 22.203 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 233522
Ion Ratio Lower Upper
106 100
91 246.1 120.6 361.7

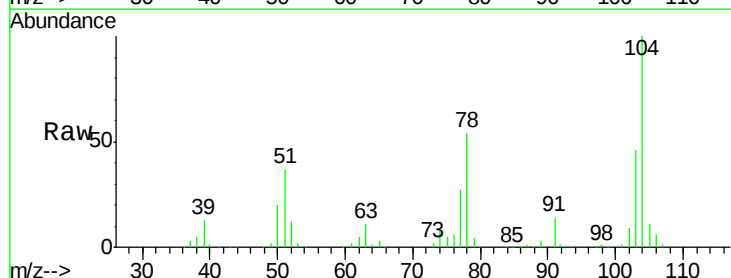


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

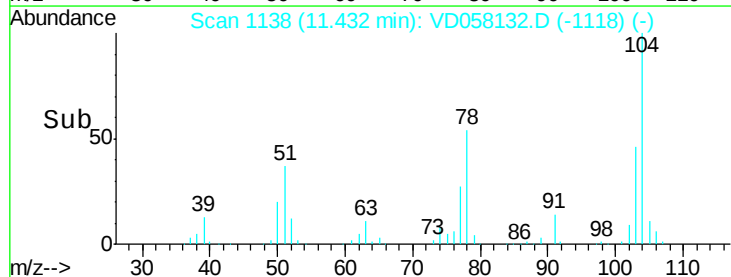
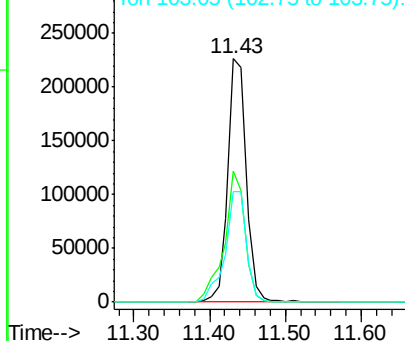


#70
Styrene
Concen: 21.938 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion:104 Resp: 381963
Ion Ratio Lower Upper
104 100
78 53.7 42.1 63.1
103 45.6 37.0 55.6



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

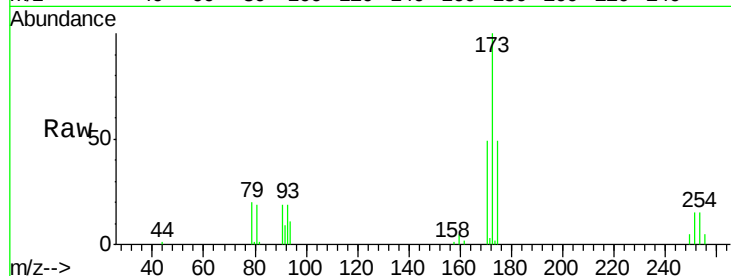




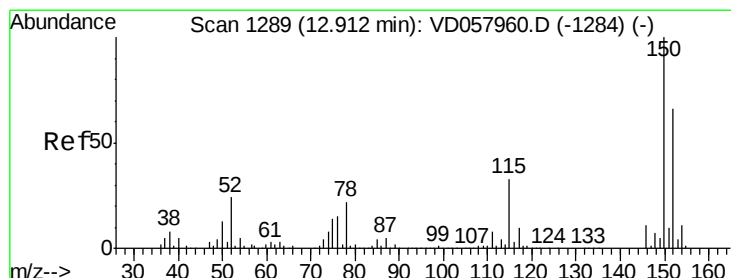
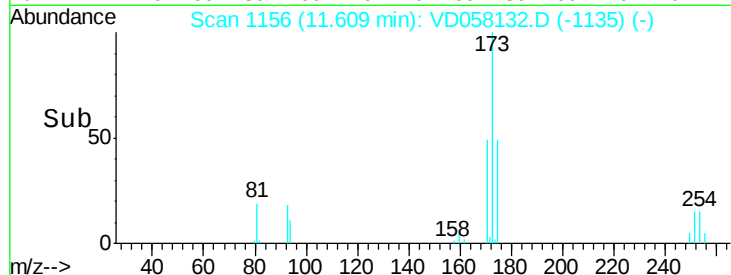
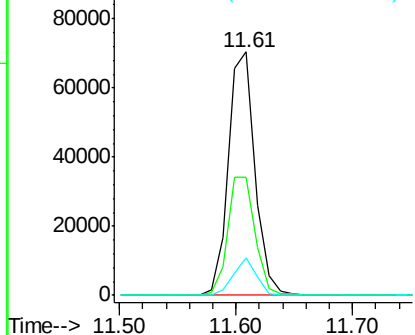
#71
Bromoform
Concen: 21.383 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 111189
Ion Ratio Lower Upper
173 100
175 48.7 25.1 75.2
254 15.4 10.7 16.1

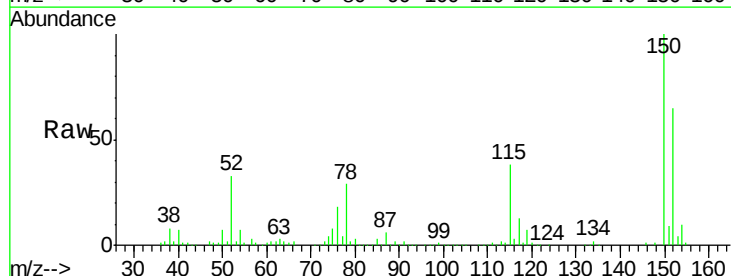


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

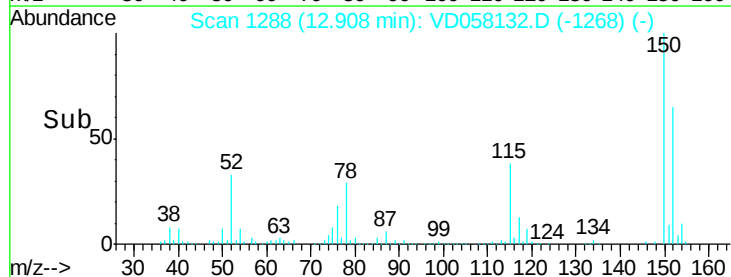
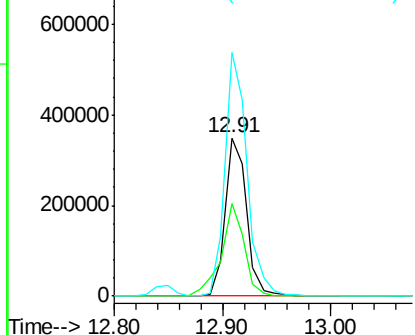


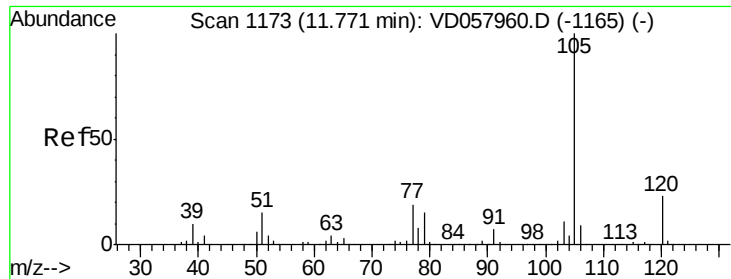
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion:152 Resp: 477224
Ion Ratio Lower Upper
152 100
115 58.9 25.6 76.6
150 153.8 0.0 306.8



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





#73

Isopropylbenzene

Concen: 20.099 ug/l

RT: 11.78 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

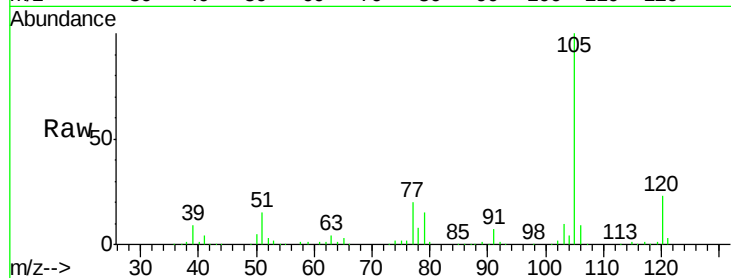
ClientSampled :

Tot Ion:105 Resp: 635302

Ion Ratio Lower Upper

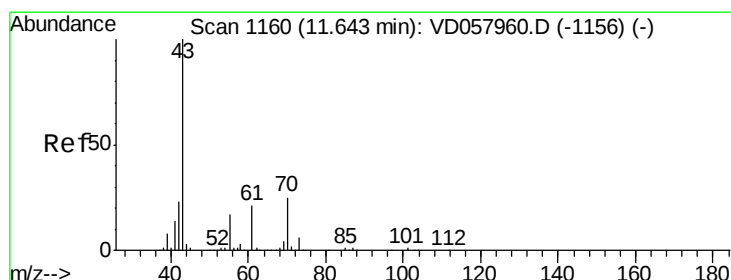
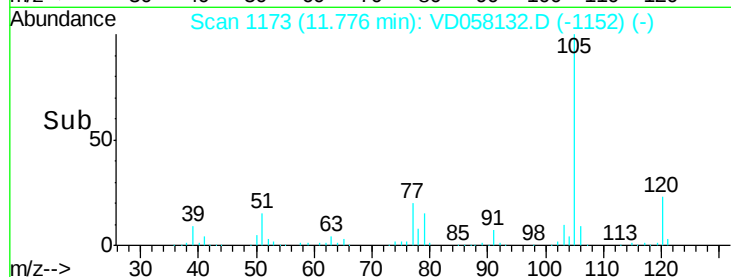
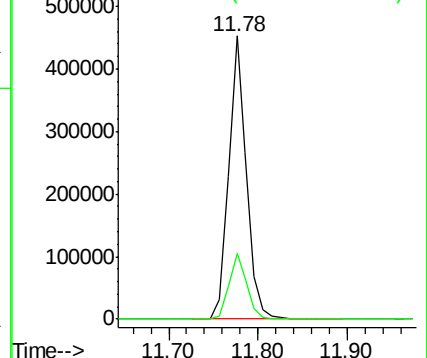
105 100

120 23.2 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.976 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Tgt Ion: 43 Resp: 231453

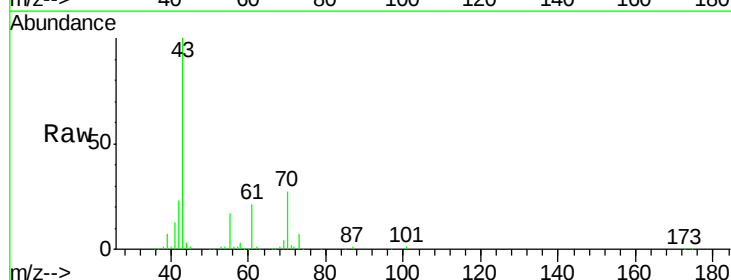
Ion Ratio Lower Upper

43 100

70 27.0 20.3 30.5

55 17.1 13.9 20.9

61 21.3 16.6 24.8

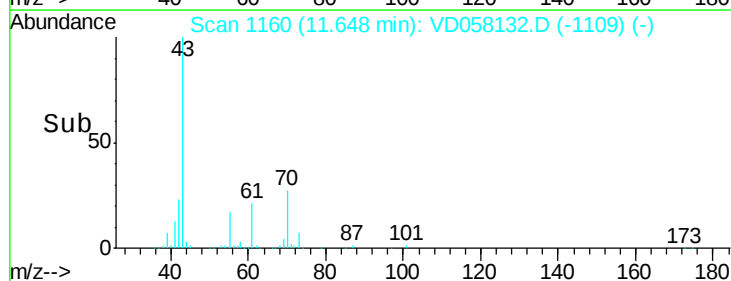
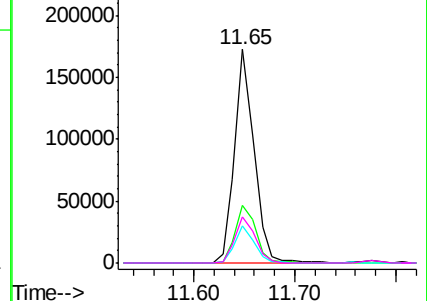


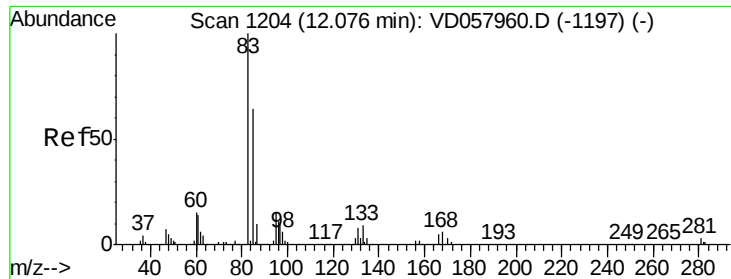
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 20.041 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

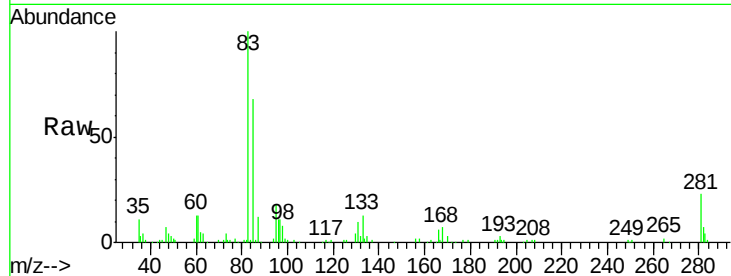
Tot Ion: 83 Resp: 138111

Ion Ratio Lower Upper

83 100

131 10.3 4.2 12.6

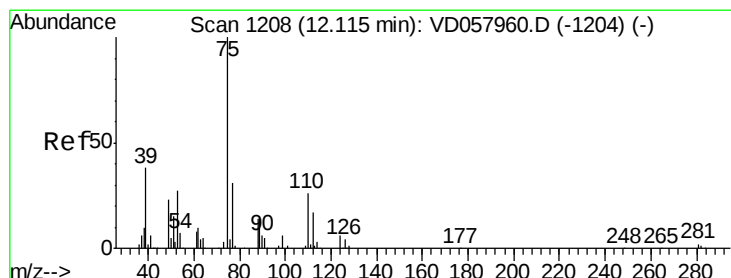
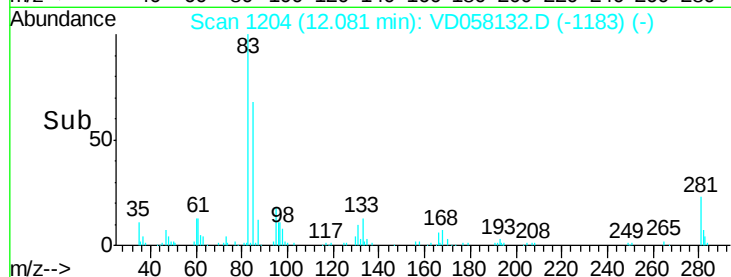
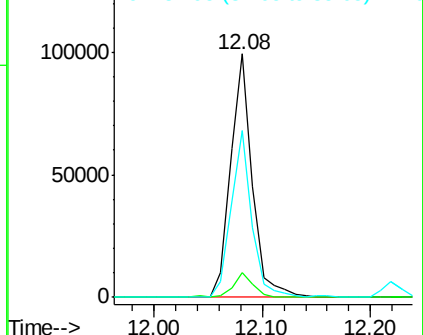
85 68.5 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.498 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD058132.D

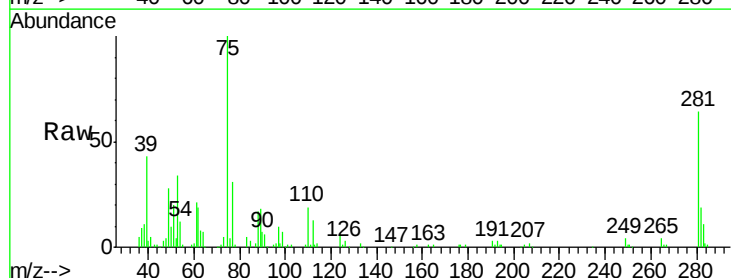
Acq: 14 Jun 2018 13:34

Tgt Ion: 75 Resp: 146944

Ion Ratio Lower Upper

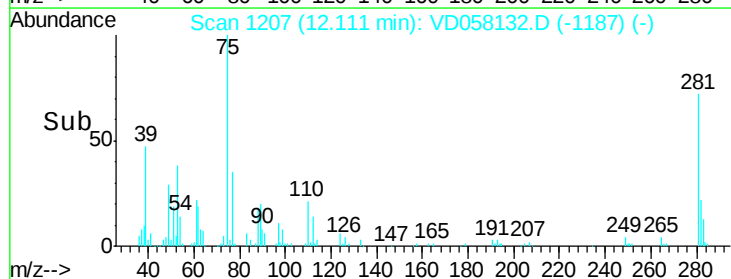
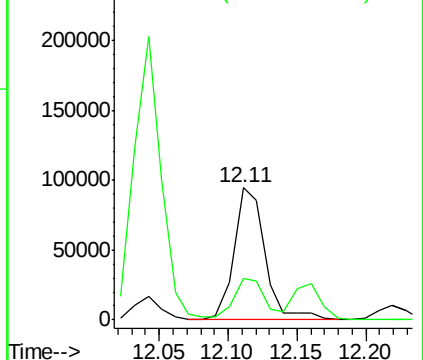
75 100

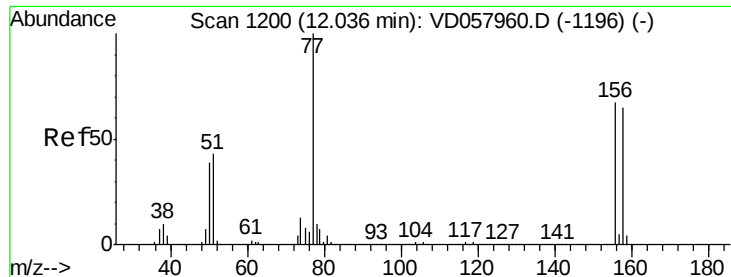
77 31.3 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

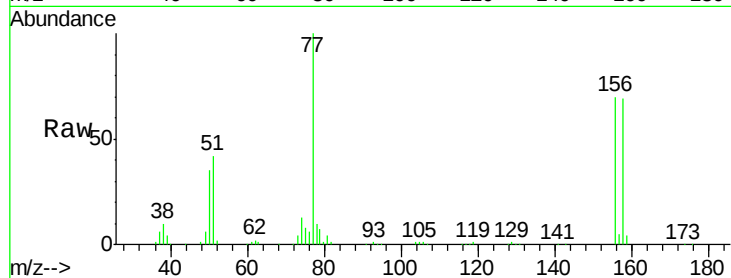




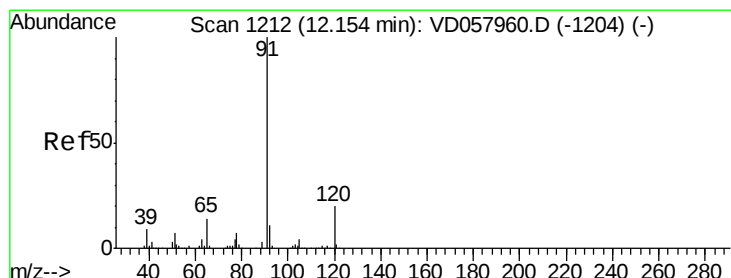
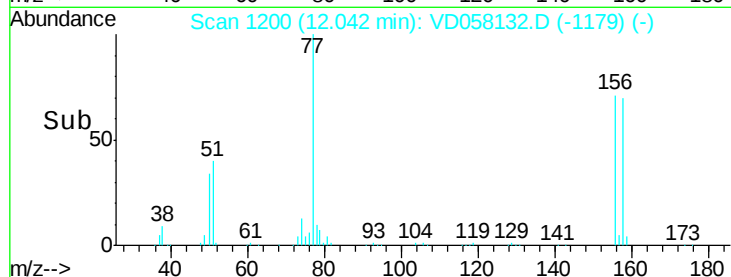
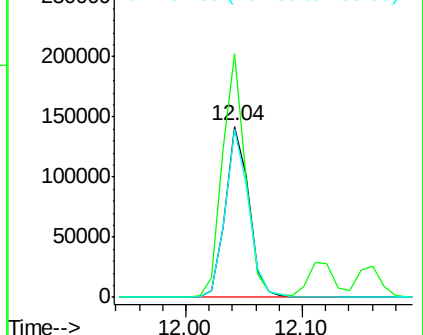
#77
Bromobenzene
Concen: 21.309 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 199377
Ion Ratio Lower Upper
156 100
77 142.6 75.0 224.8
158 98.5 48.6 145.9

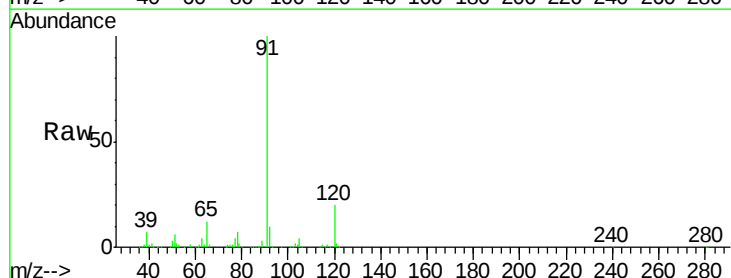


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

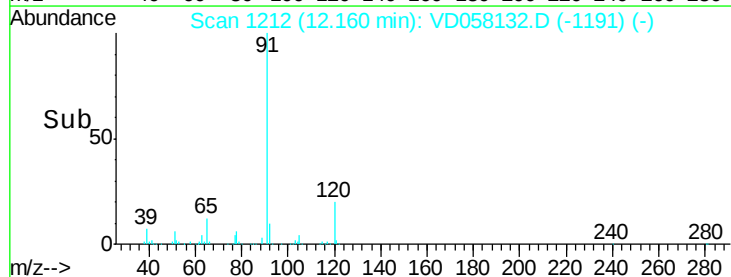
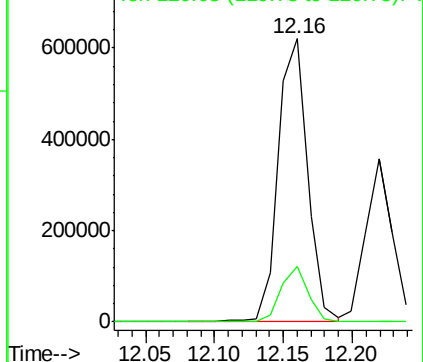


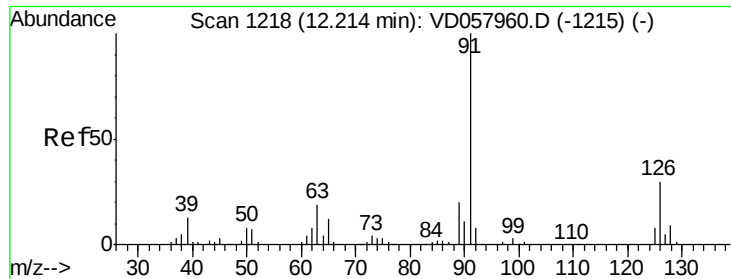
#78
n-propylbenzene
Concen: 22.227 ug/l
RT: 12.16 min Scan# 1212
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion: 91 Resp: 914206
Ion Ratio Lower Upper
91 100
120 19.8 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

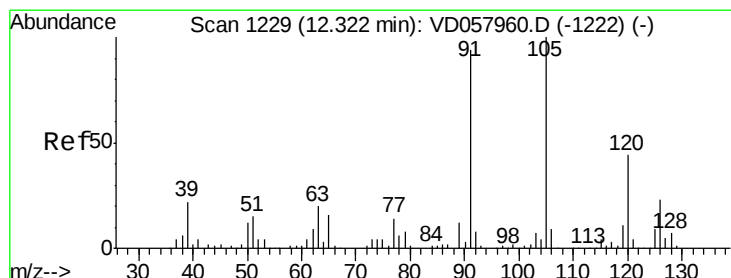
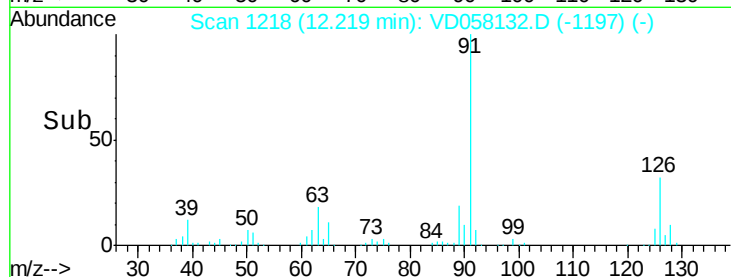
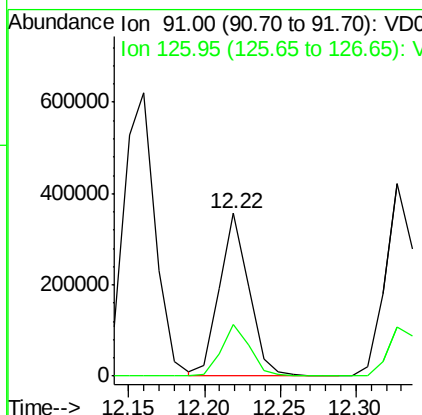
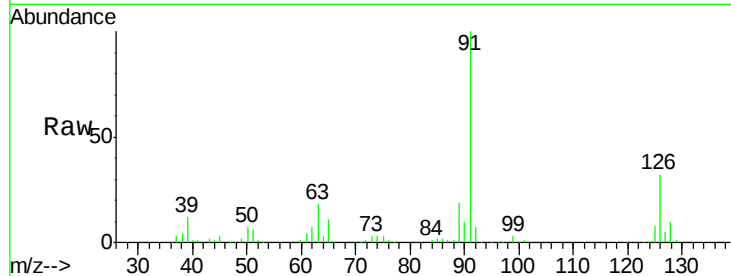




#79
 2-Chlorotoluene
 Concen: 20.524 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

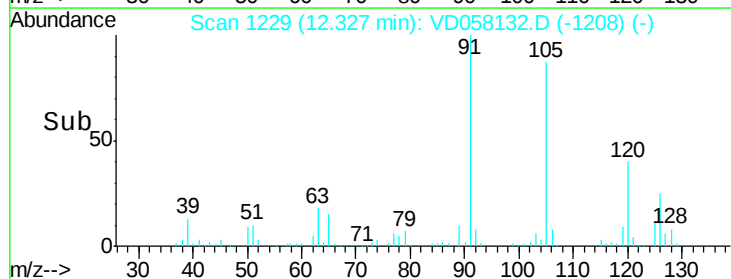
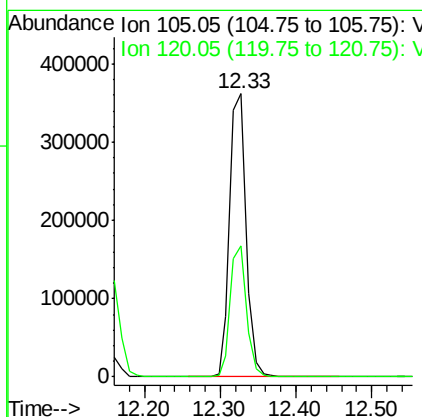
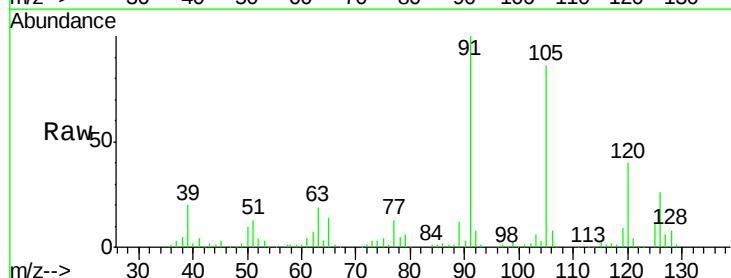
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 481582
 Ion Ratio Lower Upper
 91 100
 126 31.9 14.6 44.0



#80
 1,3,5-Trimethylbenzene
 Concen: 22.105 ug/l
 RT: 12.33 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion: 105 Resp: 544904
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.0 66.0

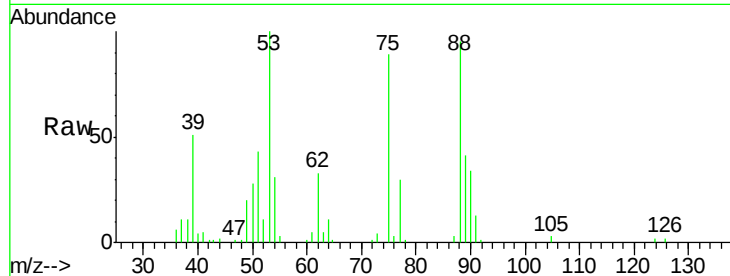




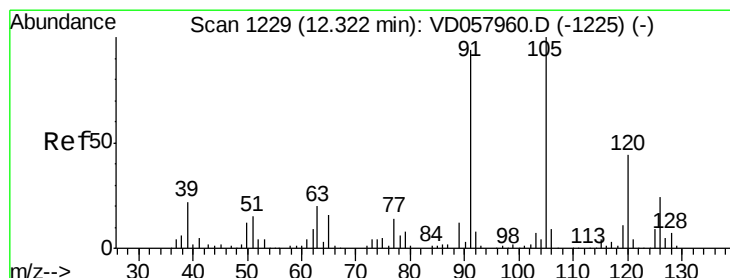
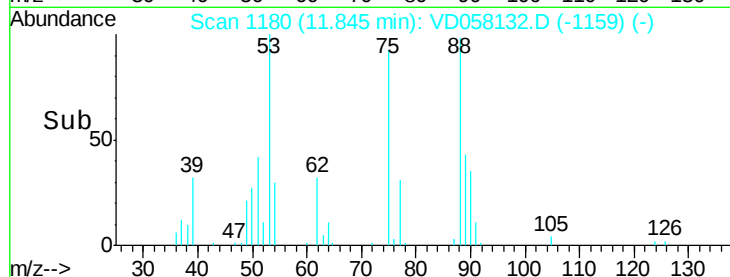
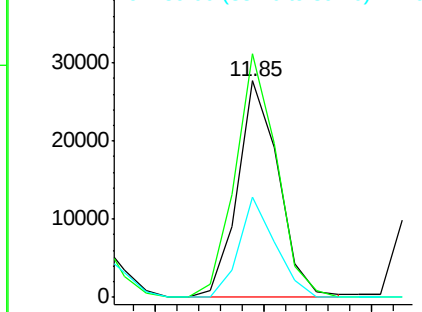
#81
trans-1,4-Dichloro-2-butene
Concen: 20.708 ug/l
RT: 11.85 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 36768
Ion Ratio Lower Upper
75 100
53 112.4 89.3 133.9
89 46.3 33.3 49.9

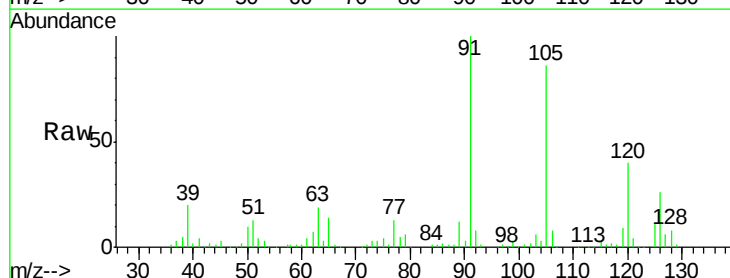


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

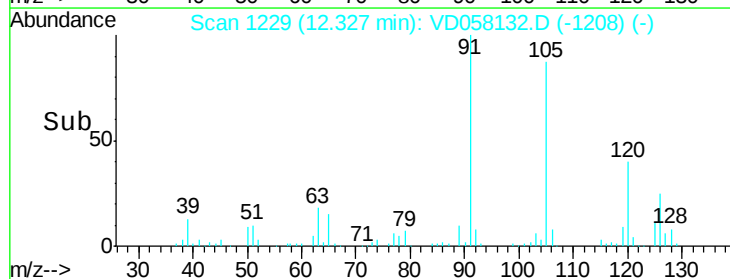
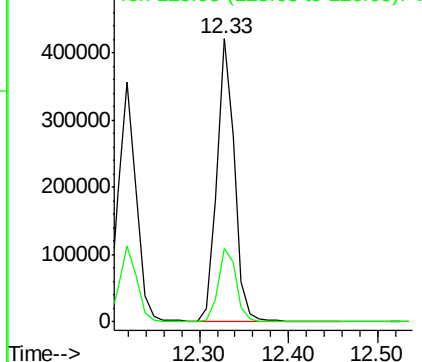


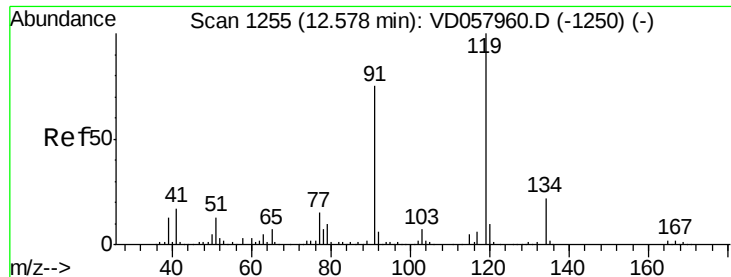
#82
4-Chlorotoluene
Concen: 23.647 ug/l
RT: 12.33 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion: 91 Resp: 577891
Ion Ratio Lower Upper
91 100
126 25.8 12.5 37.5



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

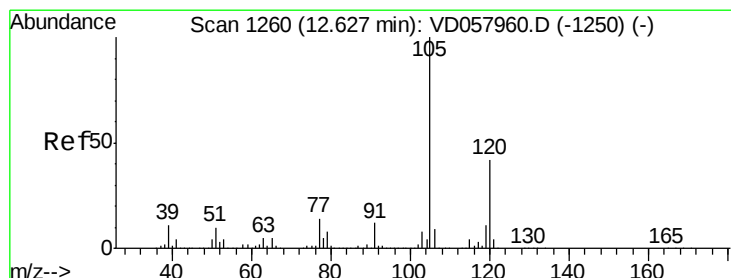
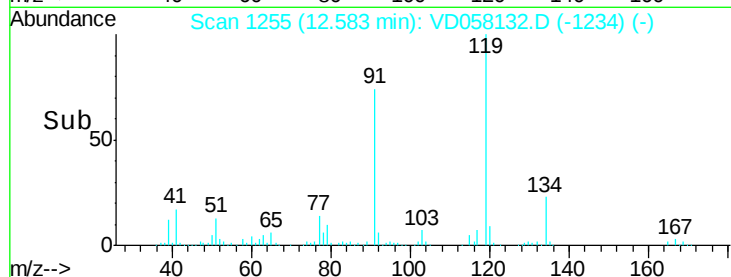
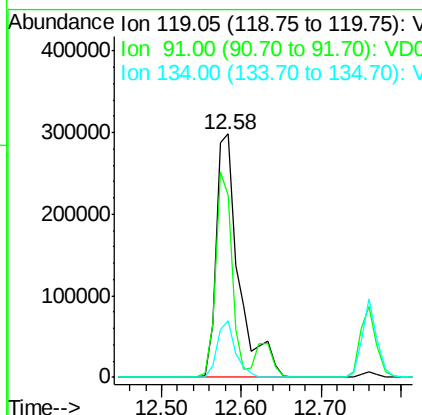
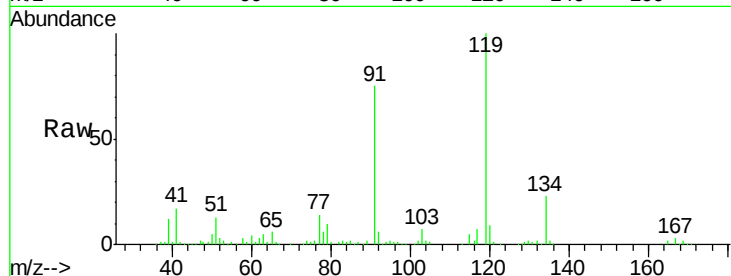




#83
 tert-Butylbenzene
 Concen: 21.477 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

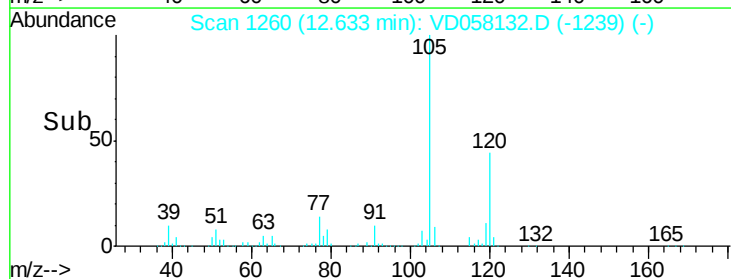
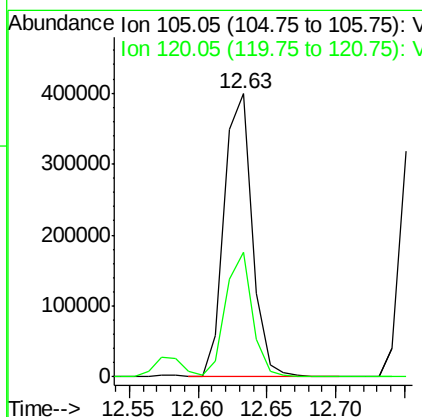
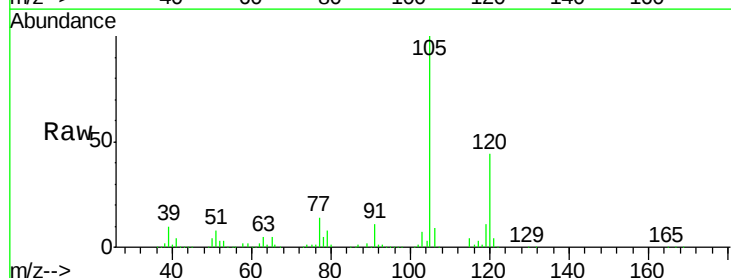
Instrument :
 MSVOA_D
 ClientSampleId :

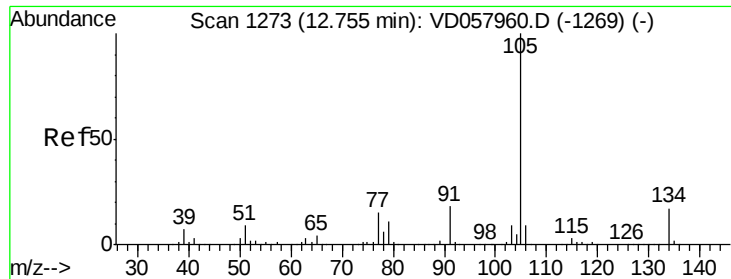
Tot Ion:119 Resp: 597812
 Ion Ratio Lower Upper
 119 100
 91 74.6 37.6 112.9
 134 23.3 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.139 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion:105 Resp: 560289
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.2 63.6

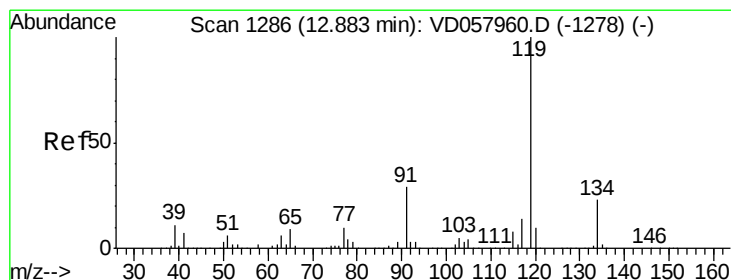
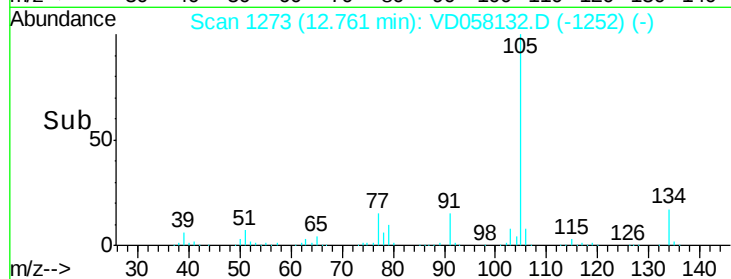
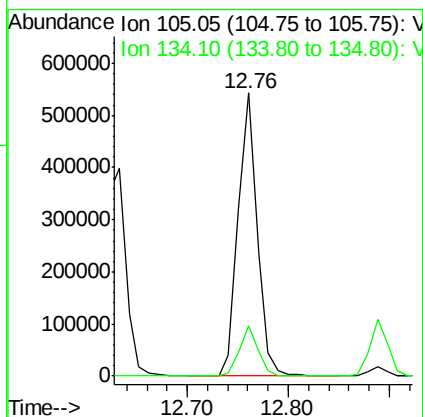
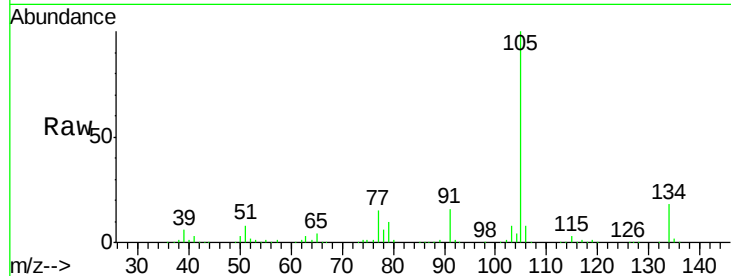




#85
 sec-Butylbenzene
 Concen: 21.066 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

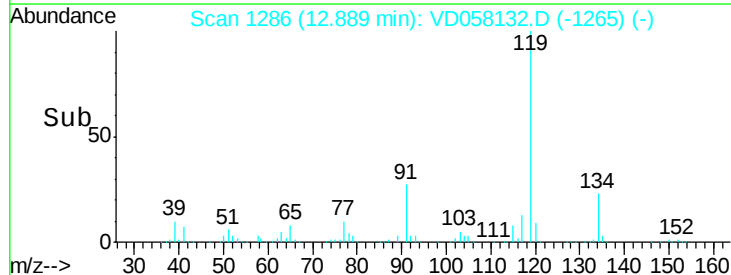
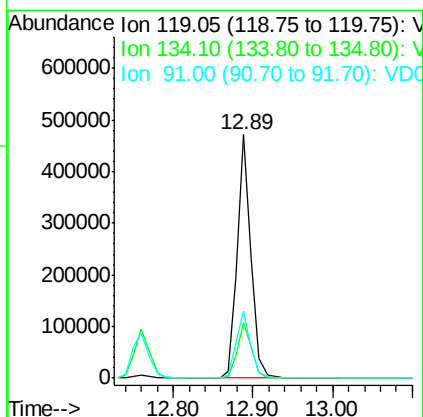
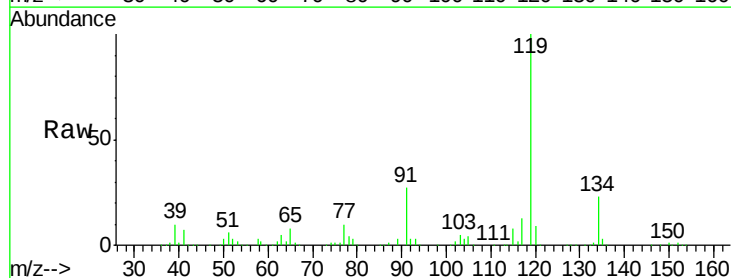
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:105 Resp: 707646
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 21.056 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion:119 Resp: 570091
 Ion Ratio Lower Upper
 119 100
 134 23.0 11.5 34.4
 91 27.3 14.5 43.6

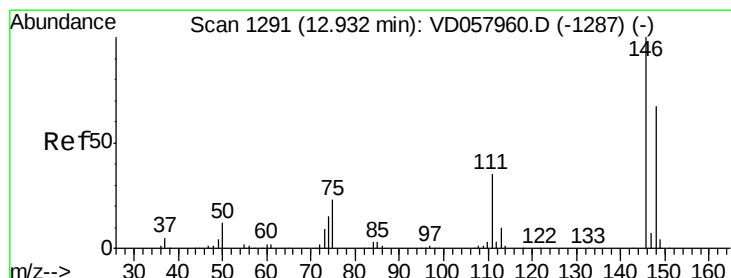
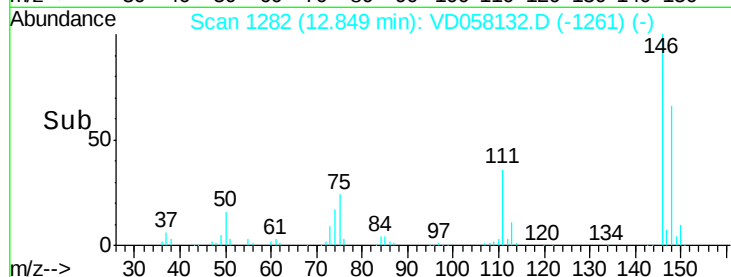
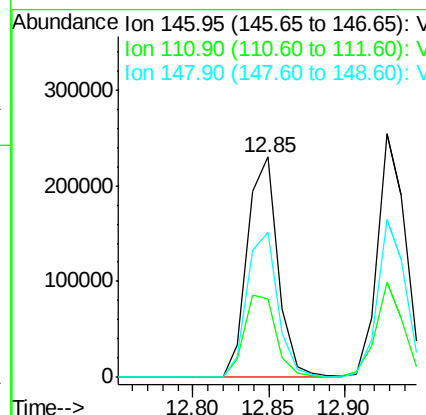
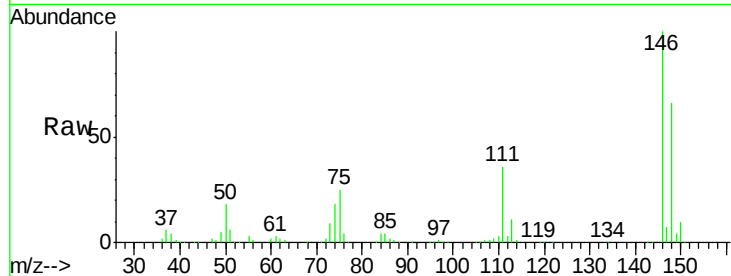




#87
 1,3-Dichlorobenzene
 Concen: 20.426 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

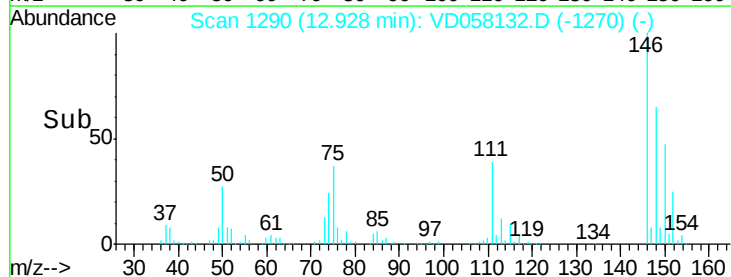
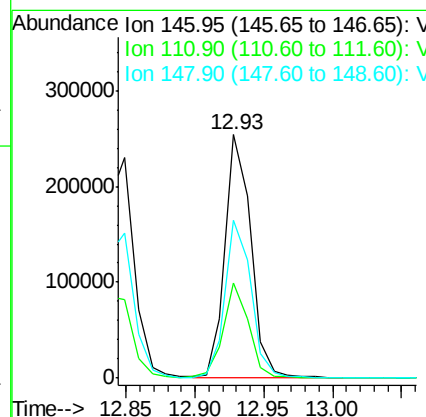
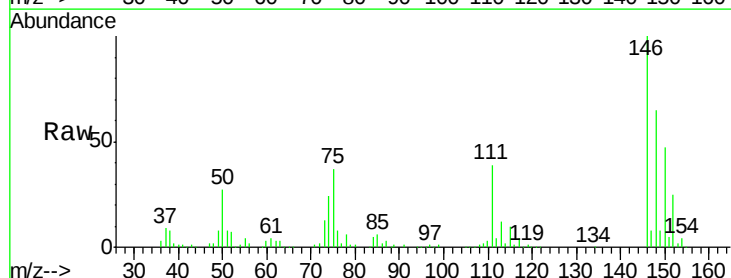
Instrument :
 MSVOA_D
 ClientSampleId :

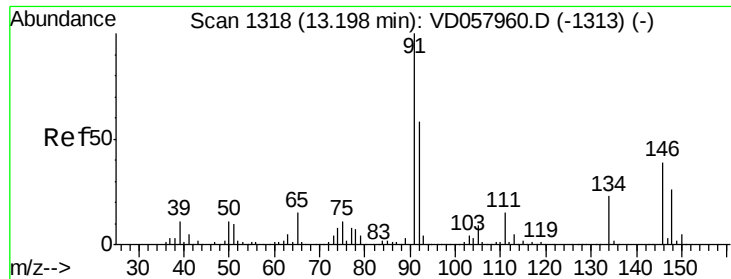
Tot Ion:146 Resp: 323288
 Ion Ratio Lower Upper
 146 100
 111 35.7 19.1 57.3
 148 66.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.348 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion:146 Resp: 329201
 Ion Ratio Lower Upper
 146 100
 111 39.0 17.3 52.0
 148 64.9 33.4 100.2

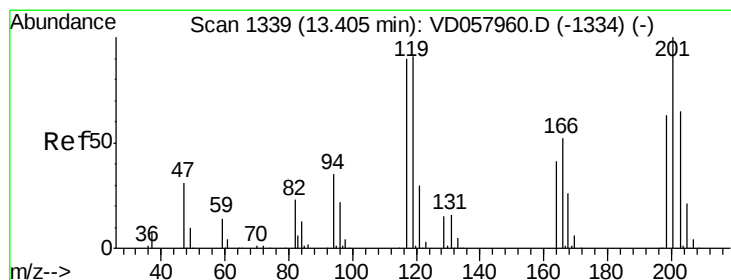
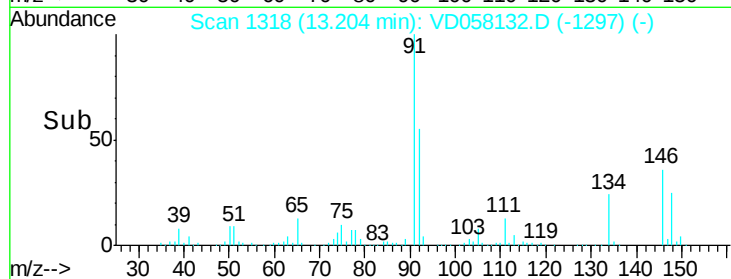
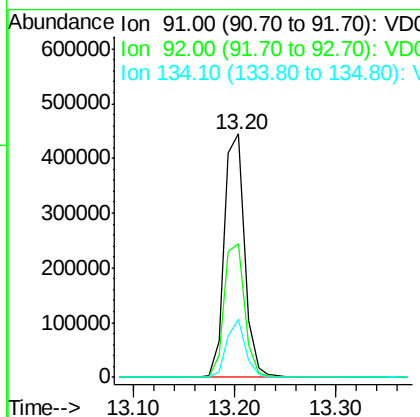
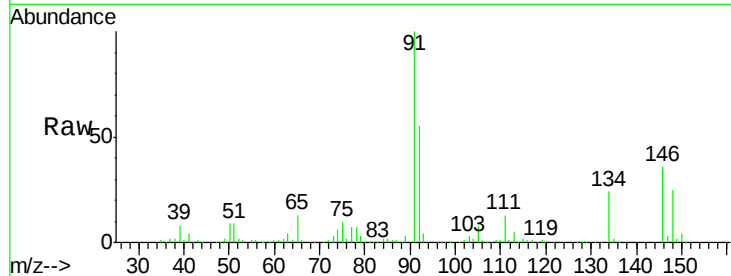




#89
n-Butylbenzene
Concen: 23.243 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

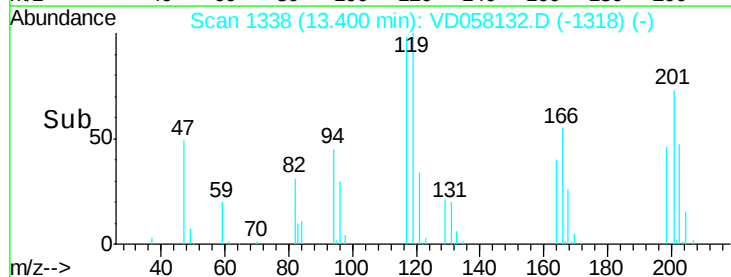
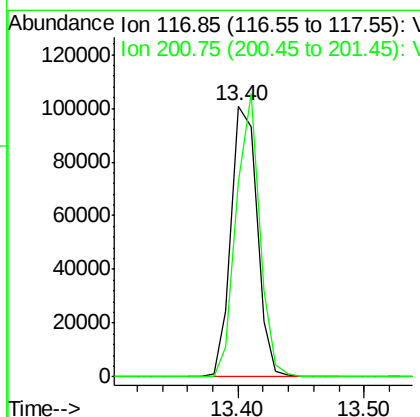
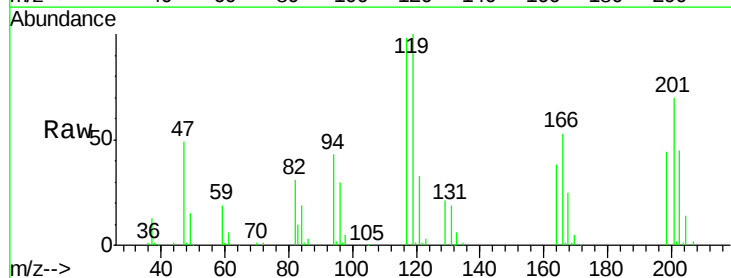
Instrument :
MSVOA_D
ClientSampleId :

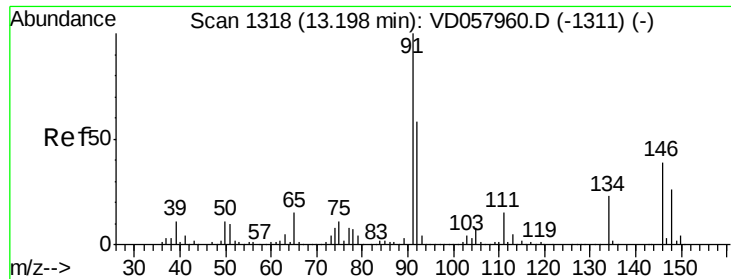
Tot Ion: 91 Resp: 624233
Ion Ratio Lower Upper
91 100
92 54.7 29.2 87.6
134 23.8 11.3 33.9



#90
Hexachloroethane
Concen: 20.847 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion: 117 Resp: 144057
Ion Ratio Lower Upper
117 100
201 72.1 55.4 166.0





#91

1,2-Dichlorobenzene

Concen: 21.784 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

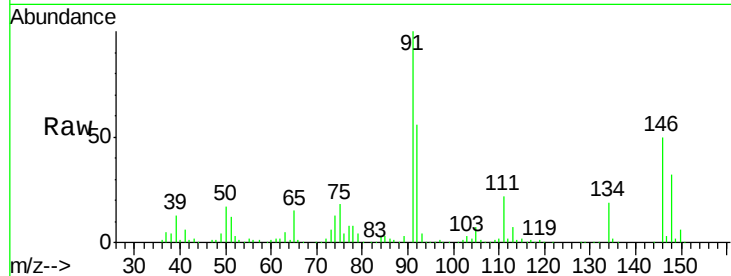
Tot Ion:146 Resp: 278625

Ion Ratio Lower Upper

146 100

111 43.0 19.4 58.2

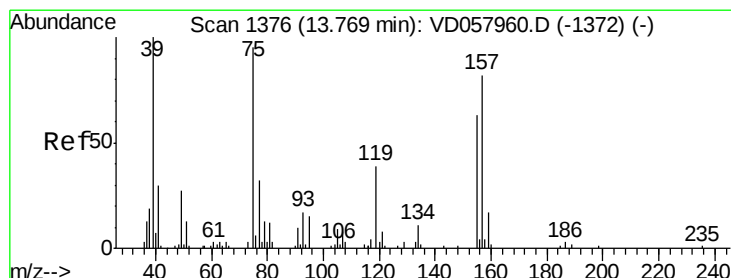
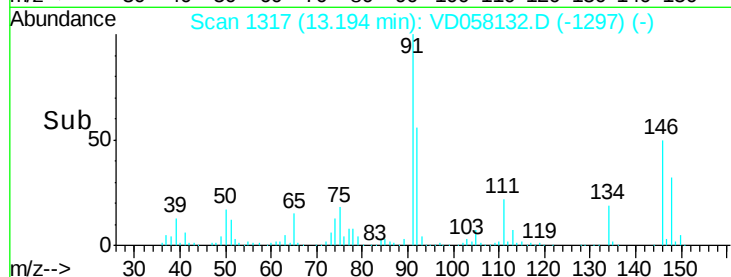
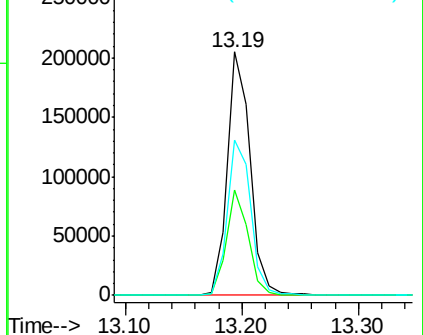
148 63.6 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.513 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VD058132.D

Acq: 14 Jun 2018 13:34

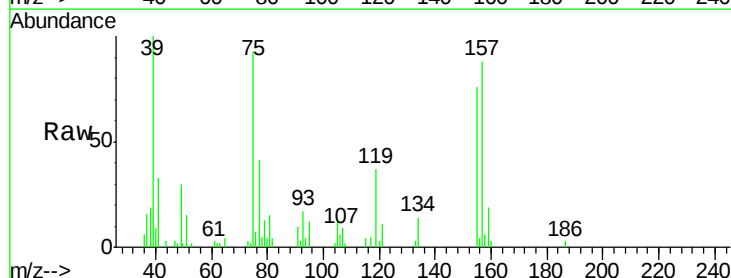
Tgt Ion: 75 Resp: 20754

Ion Ratio Lower Upper

75 100

155 81.0 33.4 100.1

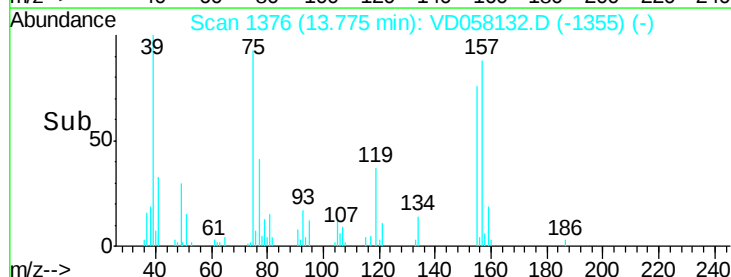
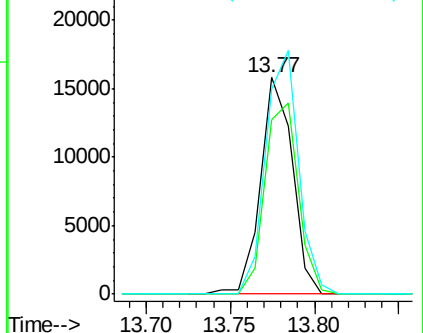
157 94.8 42.9 128.5

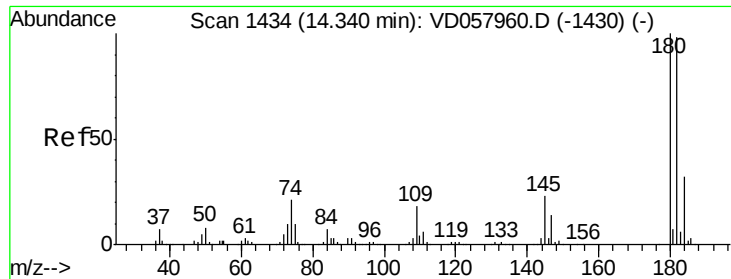


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

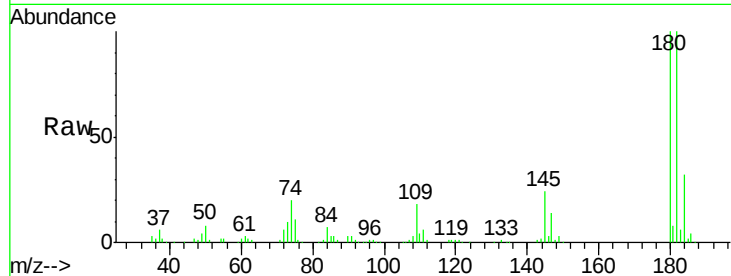




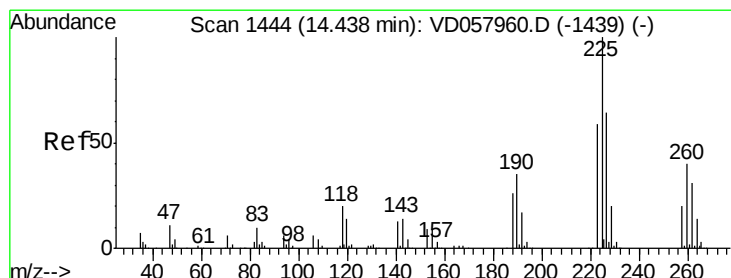
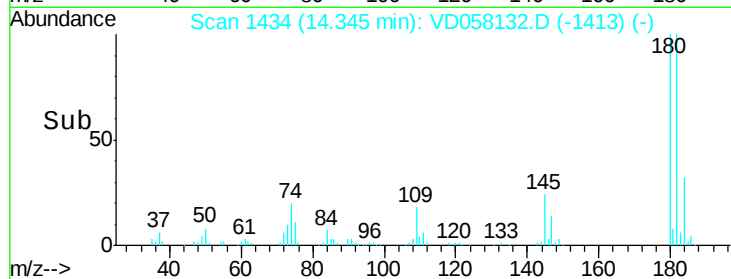
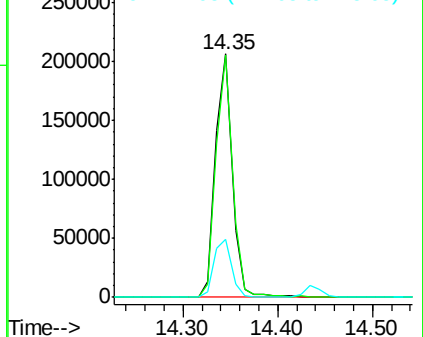
#93
 1,2,4-Trichlorobenzene
 Concen: 21.644 ug/l
 RT: 14.35 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 258641
 Ion Ratio Lower Upper
 180 100
 182 99.8 49.0 147.2
 145 24.1 11.8 35.3

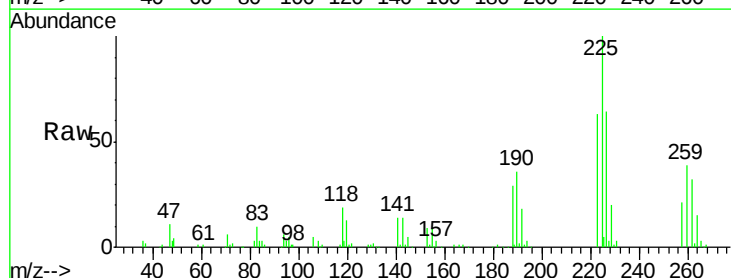


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

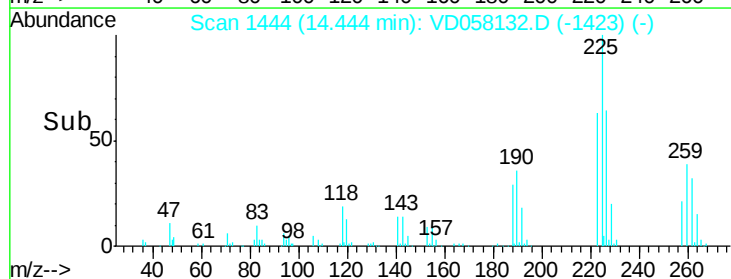
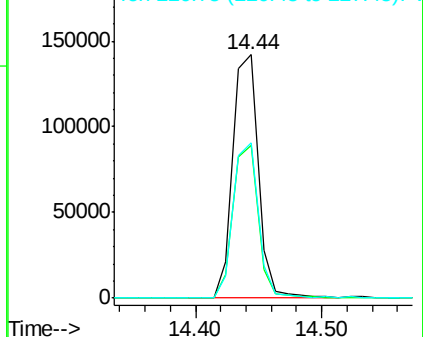


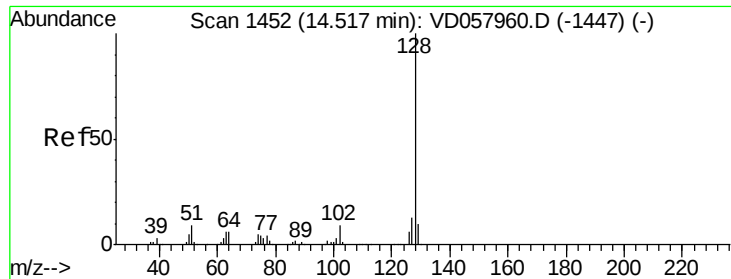
#94
 Hexachlorobutadiene
 Concen: 21.118 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD058132.D
 Acq: 14 Jun 2018 13:34

Tgt Ion:225 Resp: 198490
 Ion Ratio Lower Upper
 225 100
 223 62.9 29.5 88.6
 227 63.8 32.0 96.0



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

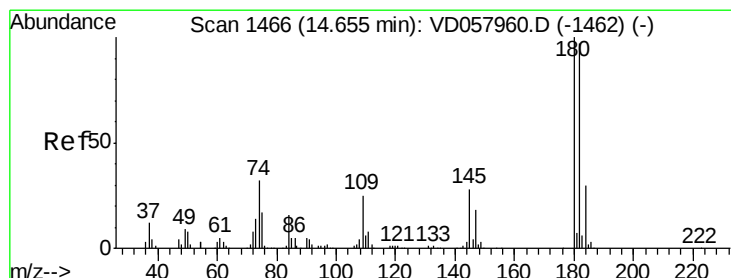
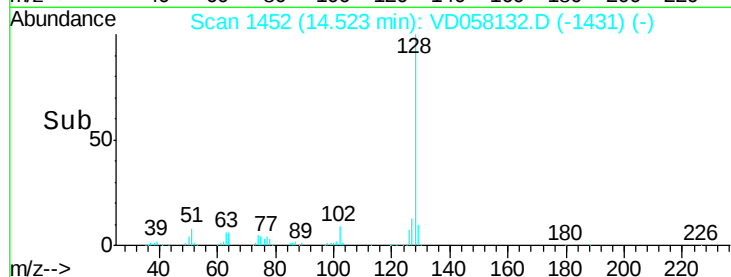
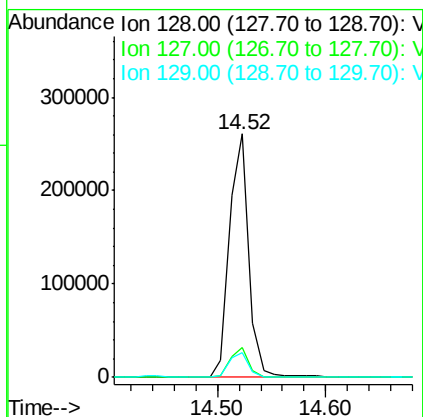
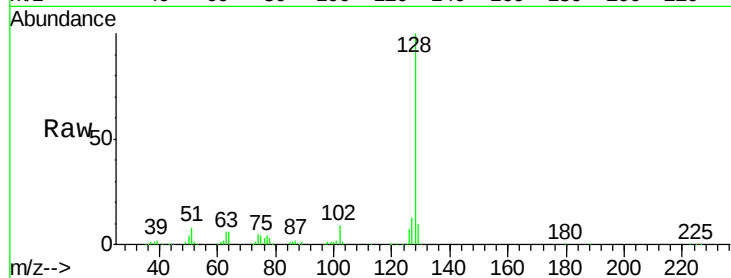




#95
Naphthalene
Concen: 21.183 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 326367
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.2 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 21.743 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. 0.01 min
Lab File: VD058132.D
Acq: 14 Jun 2018 13:34

Tgt Ion:180 Resp: 221429
Ion Ratio Lower Upper
180 100
182 96.4 48.5 145.5
145 28.4 14.2 42.8

