

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058342.D
 Acq On : 23 Jun 2018 15:50
 Operator : VA/AP
 Sample : VD0623SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 01:07:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	979290	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.72	114	1289827	50.00	ug/l	0.03
63) Chlorobenzene-d5	10.70	117	1025751	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.92	152	532875	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	519133	52.48	ug/l	0.03
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	5.57	113	529158	50.41	ug/l	0.03
Spiked Amount			Recovery	=	100.82%	
50) Toluene-d8	8.72	98	1296569	51.05	ug/l	0.02
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.94	95	536950	51.75	ug/l	0.02
Spiked Amount			Recovery	=	103.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	234678	23.41	ug/l	98
3) Chloromethane	1.51	50	110152	23.46	ug/l	98
4) Vinyl Chloride	1.58	62	111659	21.77	ug/l	99
5) Bromomethane	1.81	94	38698	20.01	ug/l	95
6) Chloroethane	1.89	64	38891	19.44	ug/l	94
7) Trichlorofluoromethane	2.10	101	156425	22.24	ug/l	89
8) Diethyl Ether	2.36	74	31783	21.36	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.57	101	104714	23.42	ug/l	92
10) Methyl Iodide	2.71	142	106854	21.01	ug/l #	88
11) Tert butyl alcohol	3.29	59	26480	81.17	ug/l #	88
12) 1,1-Dichloroethene	2.56	96	78503	23.33	ug/l	93
13) Acrolein	2.49	56	17668	94.87	ug/l	98
14) Allyl chloride	2.95	41	170004	21.71	ug/l	97
15) Acrylonitrile	3.39	53	153952	177.97	ug/l	99
16) Acetone	2.63	43	146367	108.20	ug/l	96
17) Carbon Disulfide	2.77	76	236429	20.65	ug/l	99
18) Methyl Acetate	2.96	43	58759	20.37	ug/l	95
19) Methyl tert-butyl Ether	3.43	73	379186	42.49	ug/l	98
20) Methylene Chloride	3.09	84	83781	20.96	ug/l	95
21) trans-1,2-Dichloroethene	3.41	96	179903	48.93	ug/l	93
22) Diisopropyl ether	4.10	45	665500	21.40	ug/l	99
23) Vinyl Acetate	4.04	43	1746226	104.74	ug/l	99
24) 1,1-Dichloroethane	4.00	63	374491	22.35	ug/l	99
25) 2-Butanone	4.87	43	306993	104.12	ug/l	99
26) 2,2-Dichloropropane	4.83	77	320634	22.85	ug/l	97
27) cis-1,2-Dichloroethene	4.83	96	218105	23.74	ug/l	93
28) Bromochloromethane	5.17	49	173721	23.13	ug/l #	99
29) Tetrahydrofuran	5.21	42	159849	101.86	ug/l	97
30) Chloroform	5.35	83	397148	22.45	ug/l	96
31) Cyclohexane	5.61	56	297551	21.48	ug/l	99
32) 1,1,1-Trichloroethane	5.53	97	317833	21.75	ug/l #	93
36) 1,1-Dichloropropene	5.76	75	276143	21.64	ug/l	95
37) Ethyl Acetate	4.94	43	155619	21.41	ug/l	99
38) Carbon Tetrachloride	5.75	117	258740	20.41	ug/l	98

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Instrument :
 MSVOA_D
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Quant Time: Jun 25 01:07:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.30	83	276708	22.26	ug/l	96
40) Benzene	6.04	78	682255	22.45	ug/l	98
41) Methacrylonitrile	5.15	41	70038	19.95	ug/l	94
42) 1,2-Dichloroethane	6.16	62	269852	22.02	ug/l	98
43) Isopropyl Acetate	7.64	43	189100	19.51	ug/l #	99
44) Trichloroethene	7.00	130	197787	21.67	ug/l	97
45) 1,2-Dichloropropane	7.38	63	185487	22.66	ug/l	96
46) Dibromomethane	7.48	93	121525	21.75	ug/l	96
47) Bromodichloromethane	7.76	83	276587	21.71	ug/l	96
48) Methyl methacrylate	7.52	41	118340	20.09	ug/l	98
49) 1,4-Dioxane	7.51	88	22475	422.66	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	668080	105.67	ug/l	100
52) Toluene	8.82	92	378122	21.85	ug/l	98
53) t-1,3-Dichloropropene	9.21	75	240434	21.70	ug/l	96
54) cis-1,3-Dichloropropene	8.38	75	285917	22.01	ug/l	96
55) 1,1,2-Trichloroethane	9.47	97	124893	20.40	ug/l	89
56) Ethyl methacrylate	9.33	69	159003	21.71	ug/l	92
57) 1,3-Dichloropropane	9.69	76	217414	21.08	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.20	63	408677	112.73	ug/l	99
59) 2-Hexanone	9.81	43	489823	107.22	ug/l	94
60) Dibromochloromethane	9.97	129	170401	20.51	ug/l	96
61) 1,2-Dibromoethane	10.11	107	139834	20.86	ug/l	98
64) Tetrachloroethene	9.53	164	192718	22.33	ug/l	92
65) Chlorobenzene	10.73	112	427699	22.29	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	165898	22.40	ug/l	93
67) Ethyl Benzene	10.87	91	770514	22.75	ug/l	97
68) m/p-Xylenes	11.03	106	512700	45.39	ug/l	100
69) o-Xylene	11.42	106	249284	23.11	ug/l	97
70) Styrene	11.44	104	401554	21.81	ug/l	97
71) Bromoform	11.61	173	117811	19.95	ug/l #	96
73) Isopropylbenzene	11.79	105	688368	21.60	ug/l	98
74) N-amyl acetate	11.66	43	250538	20.33	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.09	83	157625	21.25	ug/l	100
76) 1,2,3-Trichloropropane	12.12	75	169335	21.77	ug/l	100
77) Bromobenzene	12.05	156	213440	22.36	ug/l	85
78) n-propylbenzene	12.16	91	908434	22.07	ug/l	96
79) 2-Chlorotoluene	12.23	91	520394	22.09	ug/l	96
80) 1,3,5-Trimethylbenzene	12.33	105	548716	22.07	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	35817	18.88	ug/l	89
82) 4-Chlorotoluene	12.34	91	582071	22.35	ug/l	94
83) tert-Butylbenzene	12.58	119	638866	22.35	ug/l	92
84) 1,2,4-Trimethylbenzene	12.63	105	601528	22.26	ug/l	97
85) sec-Butylbenzene	12.77	105	705667	21.06	ug/l	95
86) p-Isopropyltoluene	12.90	119	610141	22.47	ug/l	95
87) 1,3-Dichlorobenzene	12.85	146	355599	21.44	ug/l	98
88) 1,4-Dichlorobenzene	12.94	146	367860	22.71	ug/l	96
89) n-Butylbenzene	13.20	91	651749	22.84	ug/l	97
90) Hexachloroethane	13.41	117	151420	21.49	ug/l	79
91) 1,2-Dichlorobenzene	13.20	146	304850	21.59	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.78	75	21750	18.42	ug/l	94

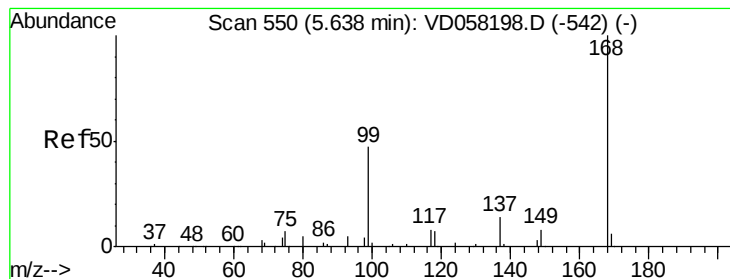
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
Data File : VD058342.D
Acq On : 23 Jun 2018 15:50
Operator : VA/AP
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	285788	21.17	ug/l	97
94) Hexachlorobutadiene	14.44	225	206083	19.51	ug/l	99
95) Naphthalene	14.52	128	360389	20.26	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	239623	20.27	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

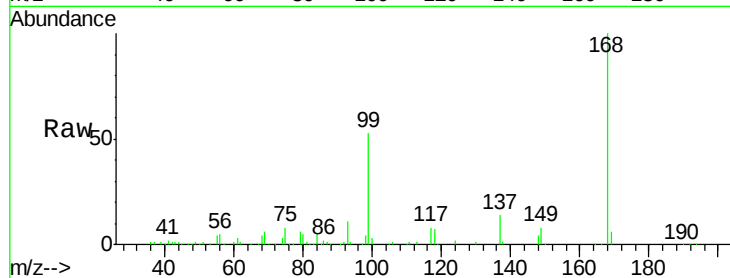
ClientSampleId :

Tot Ion:168 Resp: 979290

Ion Ratio Lower Upper

168 100

99 53.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

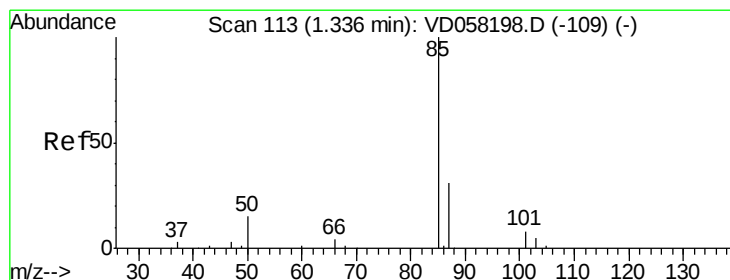
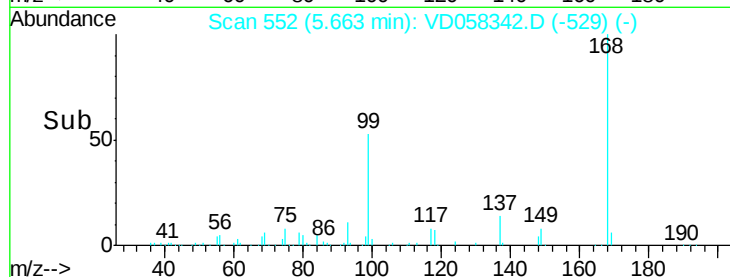
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.41 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.03 min

Lab File: VD058342.D

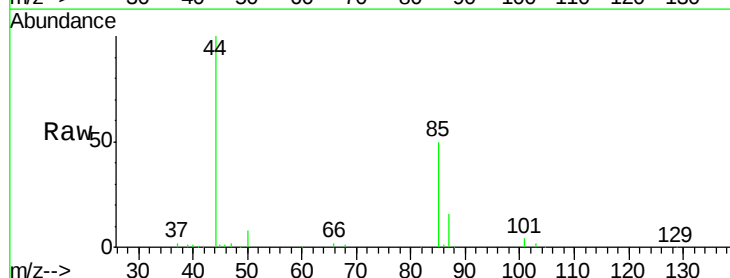
Acq: 23 Jun 2018 15:50

Tgt Ion: 85 Resp: 234678

Ion Ratio Lower Upper

85 100

87 32.5 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.36

80000

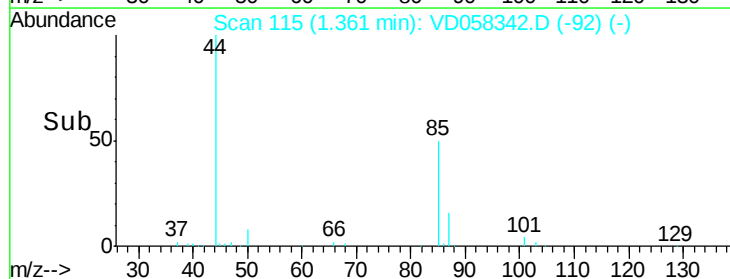
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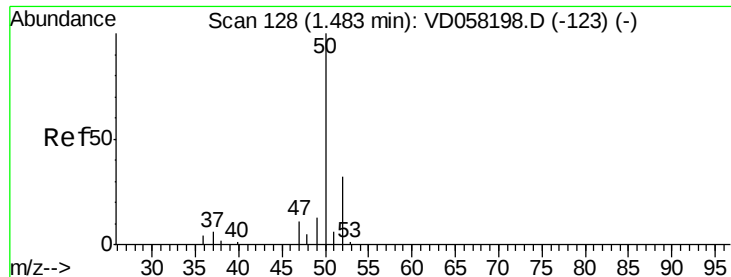
40000

20000

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Time-->





#3

Chloromethane

Concen: 23.46 ug/l

RT: 1.51 min Scan# 130

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

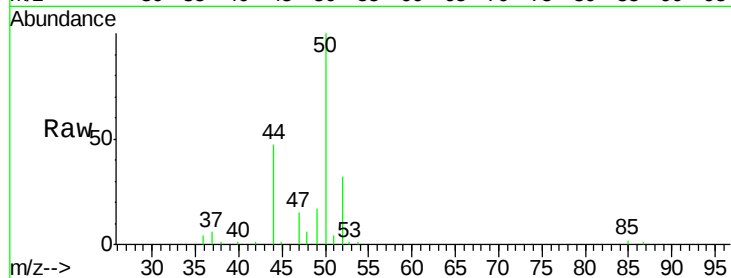
ClientSampleId :

Tot Ion: 50 Resp: 110152

Ion Ratio Lower Upper

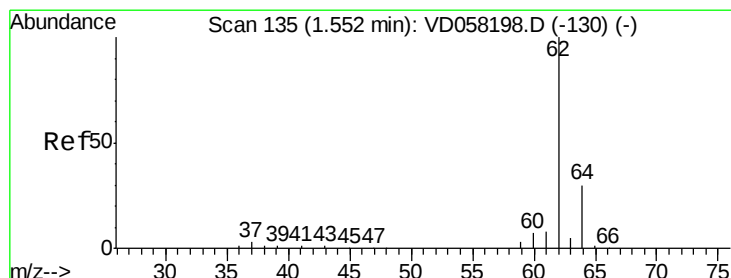
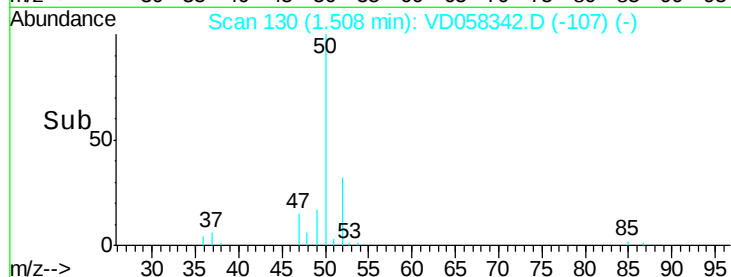
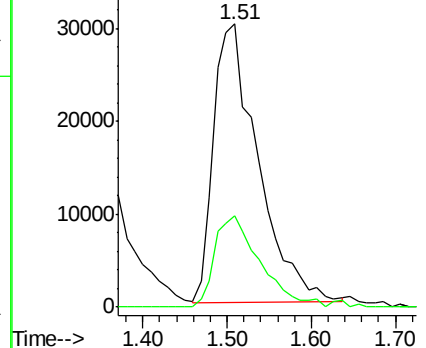
50 100

52 32.3 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.77 ug/l

RT: 1.58 min Scan# 137

Delta R.T. 0.03 min

Lab File: VD058342.D

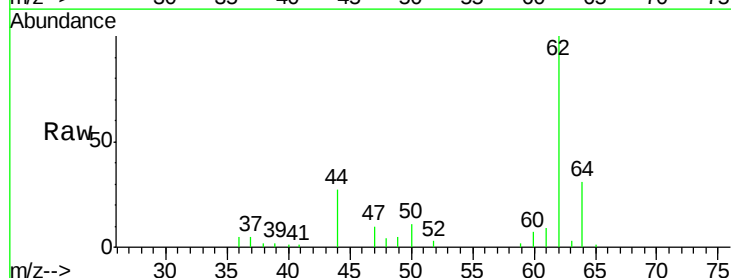
Acq: 23 Jun 2018 15:50

Tgt Ion: 62 Resp: 111659

Ion Ratio Lower Upper

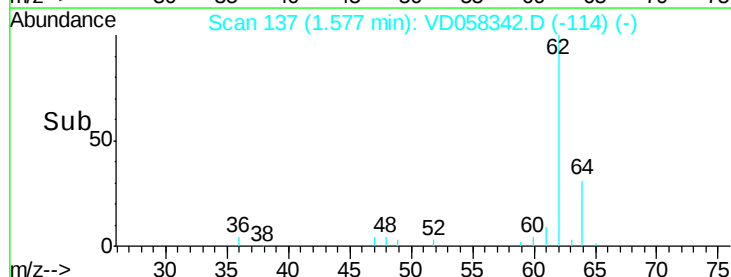
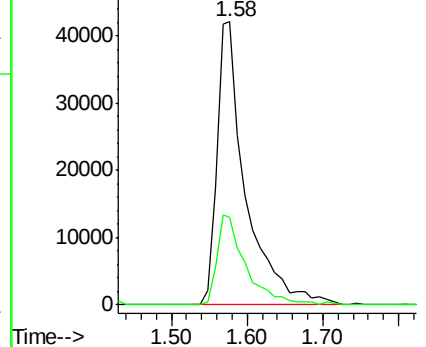
62 100

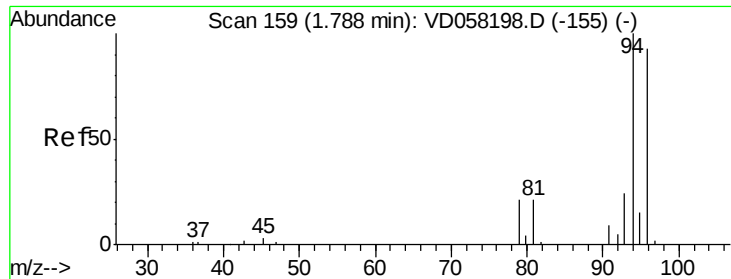
64 30.9 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

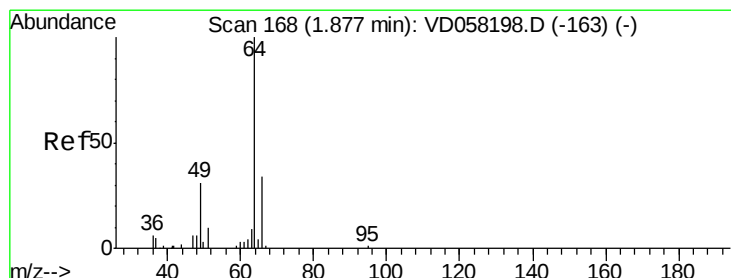
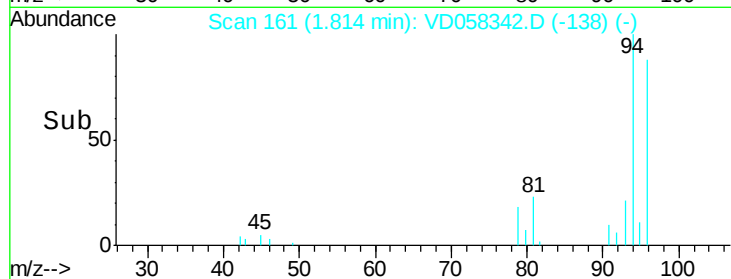
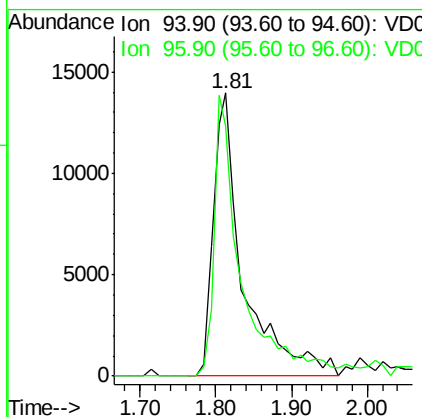
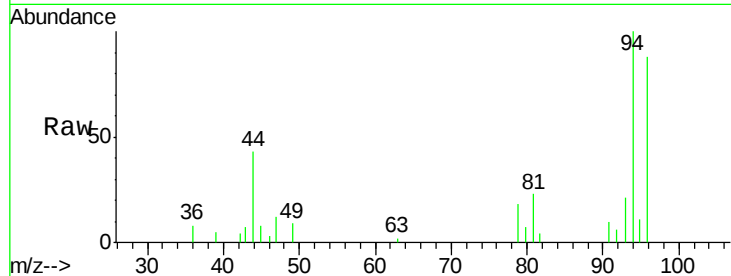




#5
Bromomethane
Concen: 20.01 ug/l
RT: 1.81 min Scan# 161
Delta R.T. 0.03 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

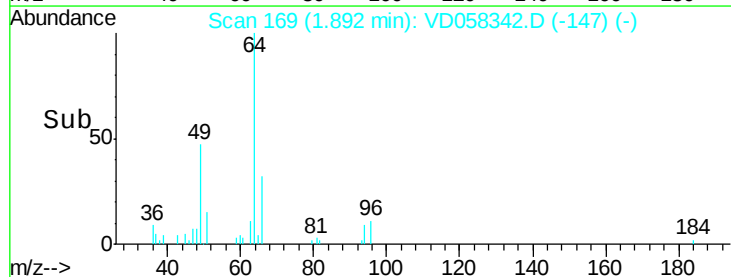
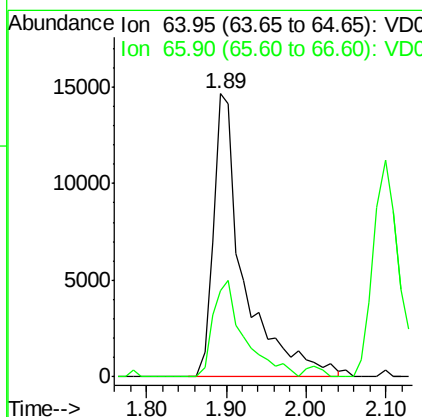
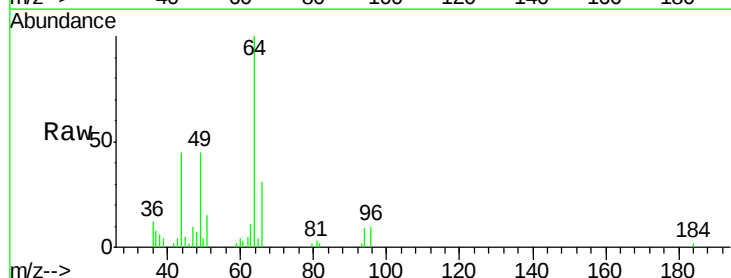
Instrument :
MSVOA_D
ClientSampleId :

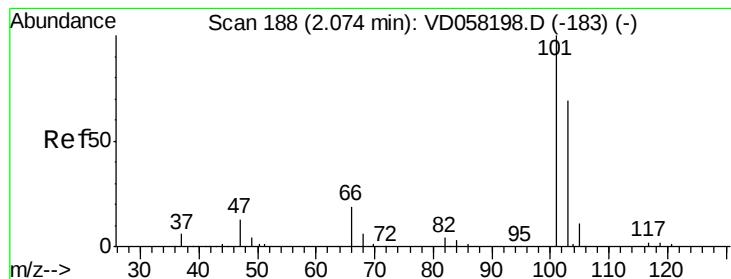
Tot Ion: 94 Resp: 38698
Ion Ratio Lower Upper
94 100
96 88.3 74.2 111.2



#6
Chloroethane
Concen: 19.44 ug/l
RT: 1.89 min Scan# 169
Delta R.T. 0.02 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Tgt Ion: 64 Resp: 38891
Ion Ratio Lower Upper
64 100
66 30.5 27.3 40.9



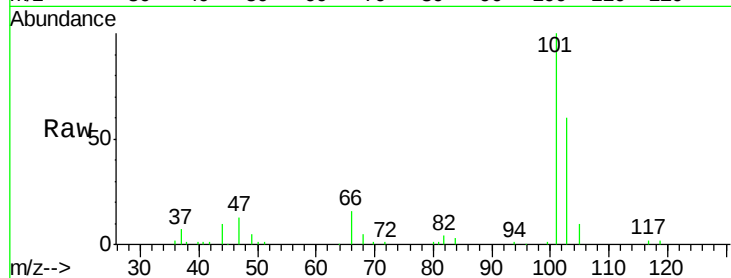


#7

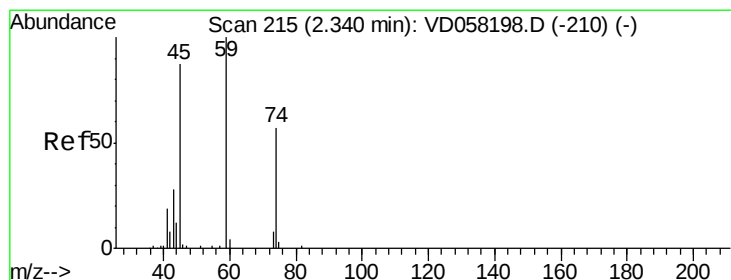
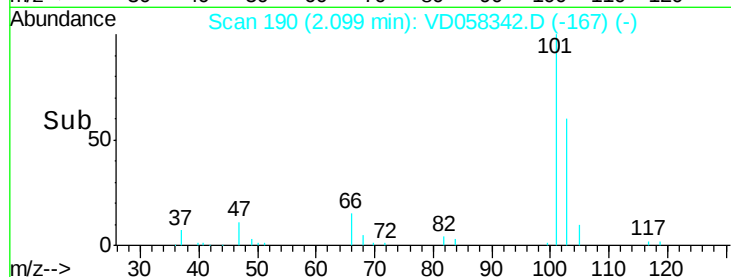
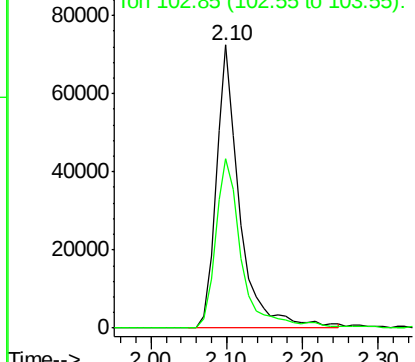
Trichlorofluoromethane
 Concen: 22.24 ug/l
 RT: 2.10 min Scan# 190
 Delta R.T. 0.03 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 156425
 Ion Ratio Lower Upper
 101 100
 103 59.7 55.1 82.7



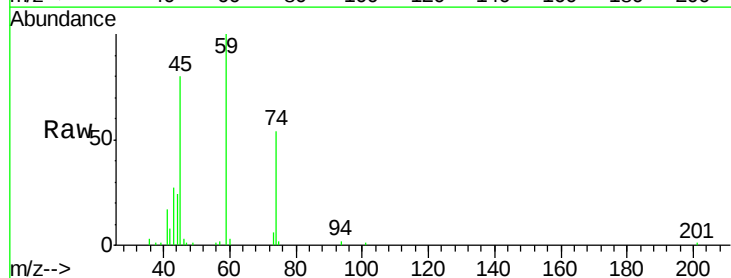
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



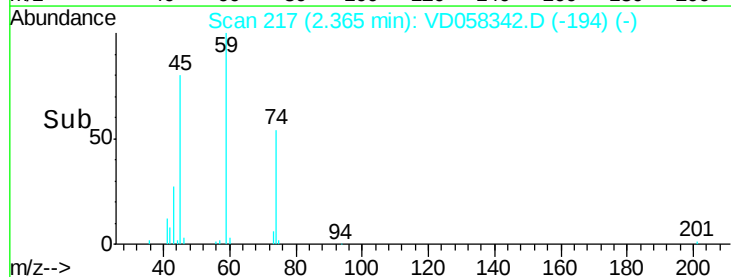
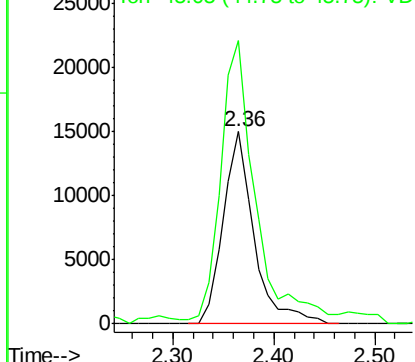
#8

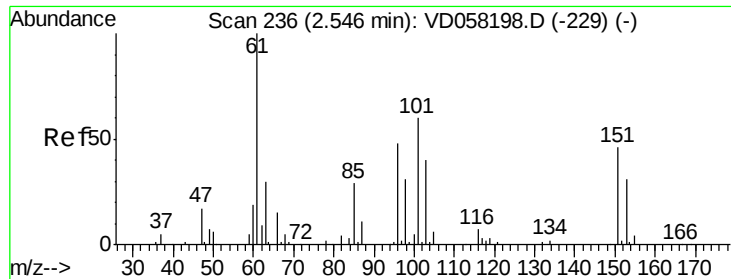
Diethyl Ether
 Concen: 21.36 ug/l
 RT: 2.36 min Scan# 217
 Delta R.T. 0.03 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Tgt Ion: 74 Resp: 31783
 Ion Ratio Lower Upper
 74 100
 45 147.4 77.5 232.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.42 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

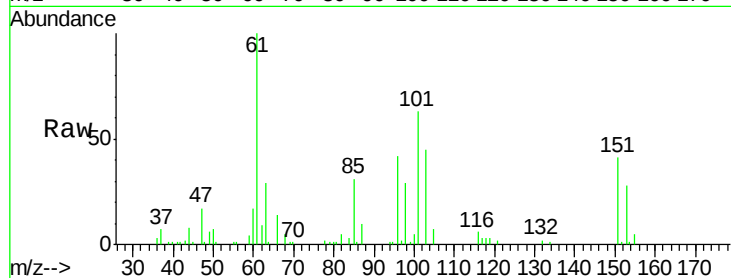
Tot Ion:101 Resp: 104714

Ion Ratio Lower Upper

101 100

85 48.6 39.0 58.4

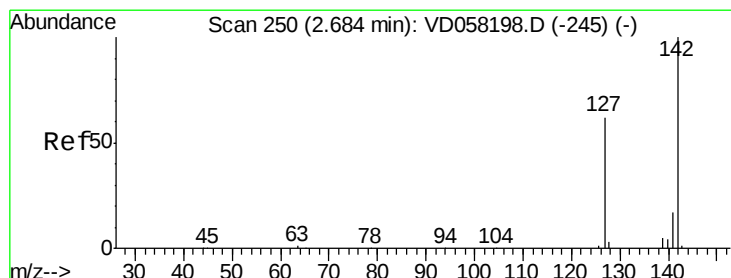
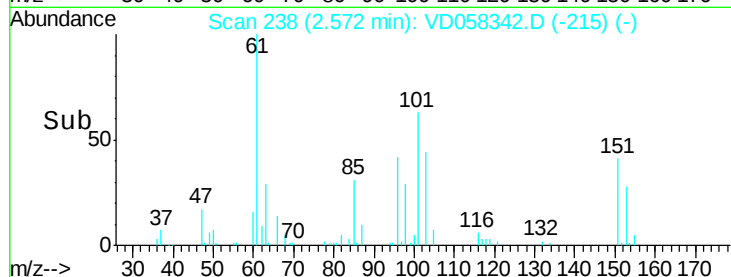
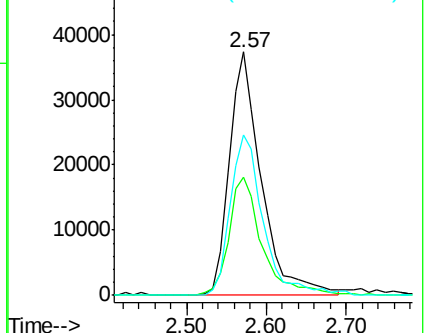
151 65.8 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 21.01 ug/l

RT: 2.71 min Scan# 252

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

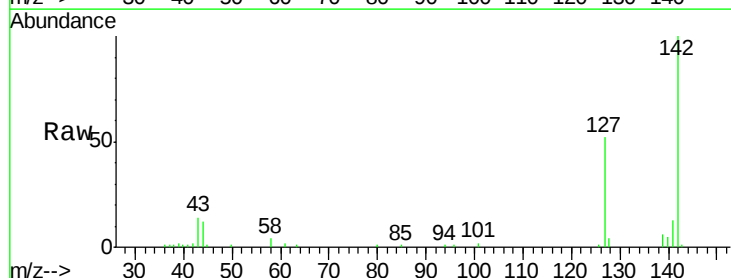
Tgt Ion:142 Resp: 106854

Ion Ratio Lower Upper

142 100

127 52.2 49.4 74.0

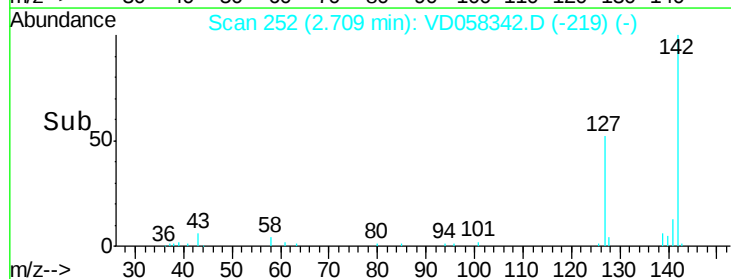
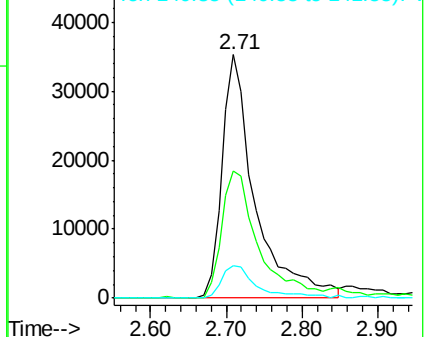
141 13.3 13.5 20.3#

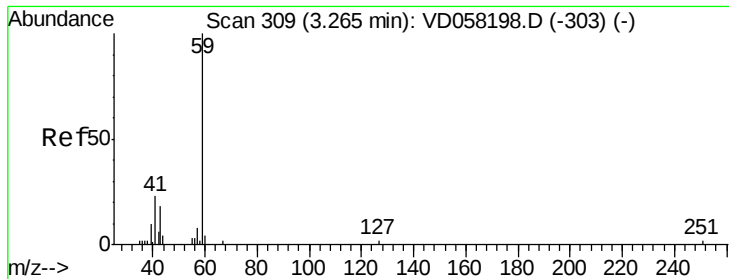


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



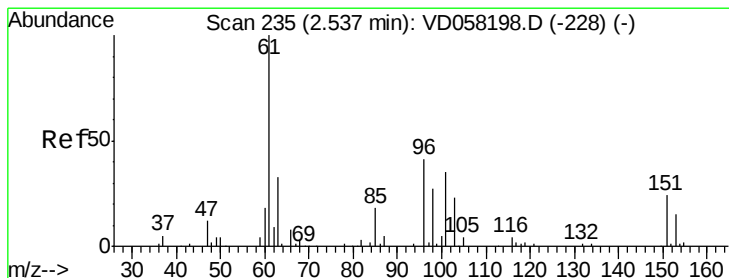
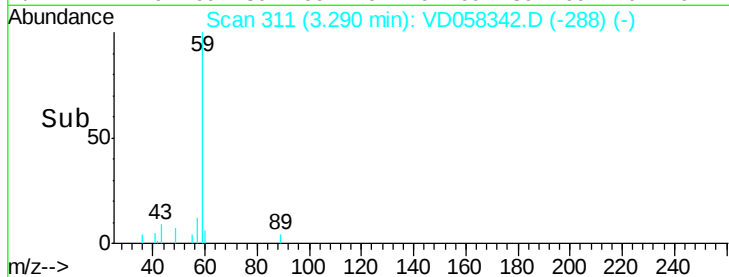
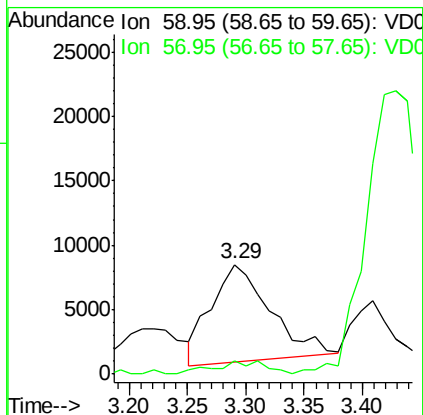
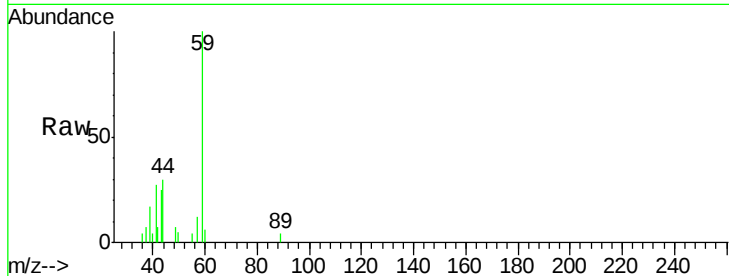


#11

Tert butyl alcohol
Concen: 81.17 ug/l
RT: 3.29 min Scan# 311
Delta R.T. 0.03 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Instrument :
MSVOA_D
ClientSampled :

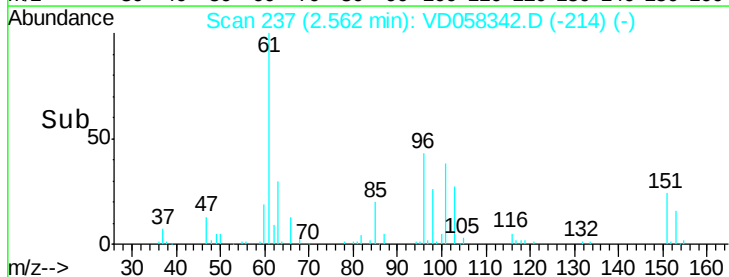
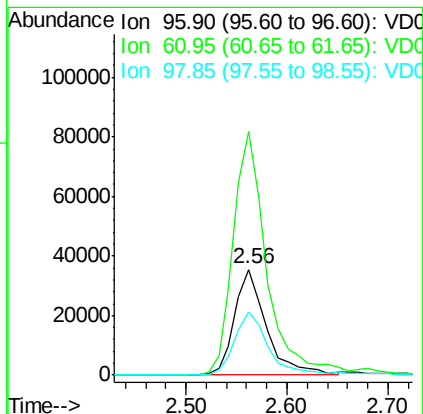
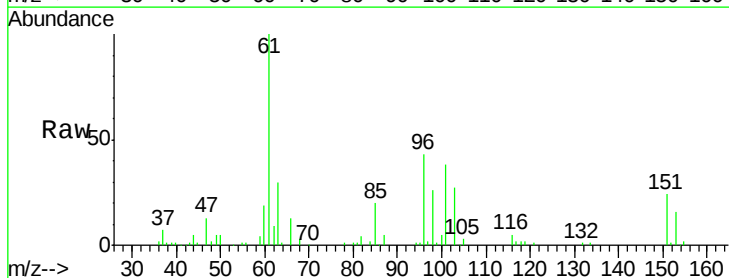
Tot Ion: 59 Resp: 26480
Ion Ratio Lower Upper
59 100
57 11.8 6.2 9.4#

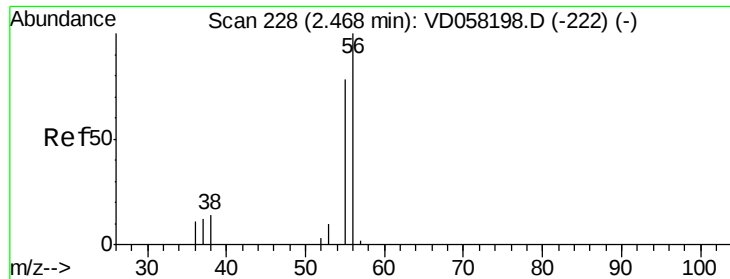


#12

1,1-Dichloroethene
Concen: 23.33 ug/l
RT: 2.56 min Scan# 237
Delta R.T. 0.03 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Tgt Ion: 96 Resp: 78503
Ion Ratio Lower Upper
96 100
61 229.9 193.9 290.9
98 59.8 51.7 77.5





#13

Acrolein

Concen: 94.87 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

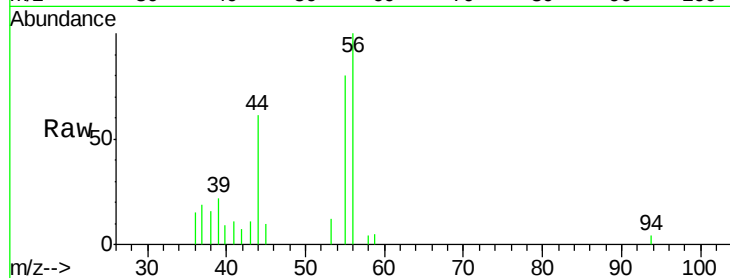
ClientSampled :

Tot Ion: 56 Resp: 17668

Ion Ratio Lower Upper

56 100

55 79.5 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.49

8000

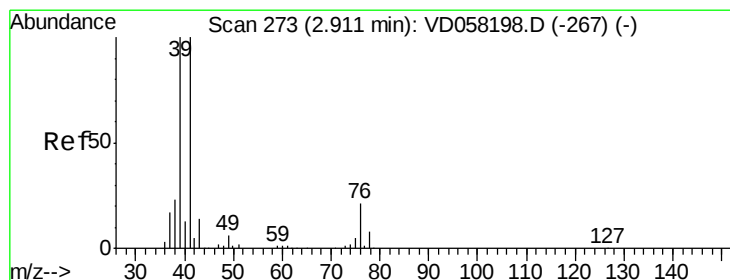
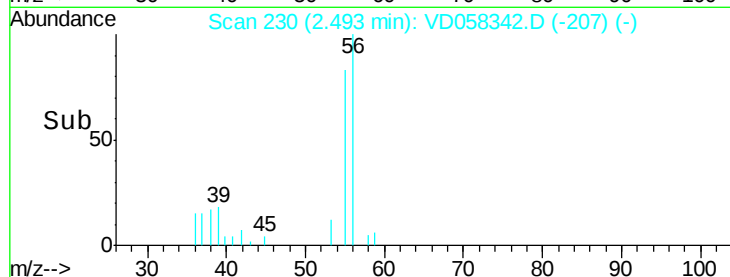
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 21.71 ug/l

RT: 2.95 min Scan# 276

Delta R.T. 0.04 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

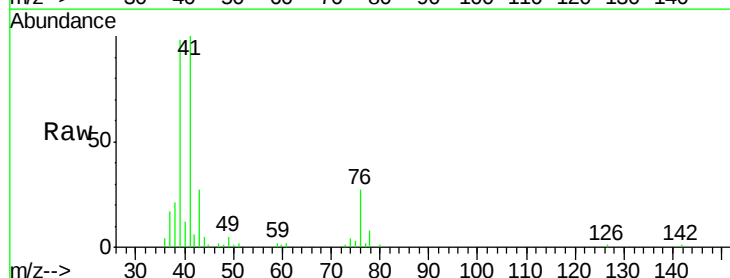
Tgt Ion: 41 Resp: 170004

Ion Ratio Lower Upper

41 100

39 97.7 80.1 120.1

76 27.2 19.4 29.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

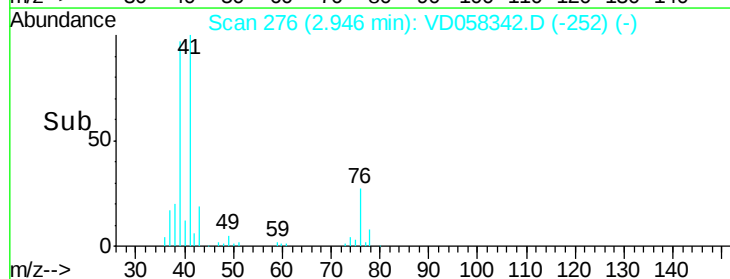
2.95

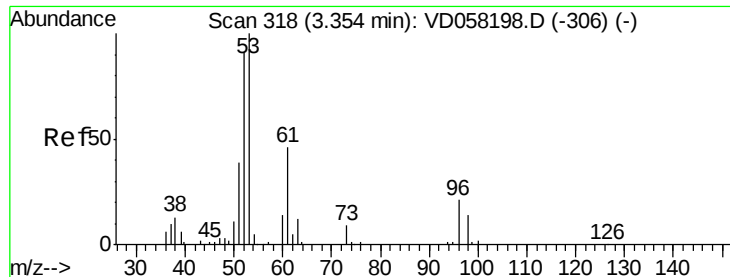
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 177.97 ug/l

RT: 3.39 min Scan# 321

Delta R.T. 0.04 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

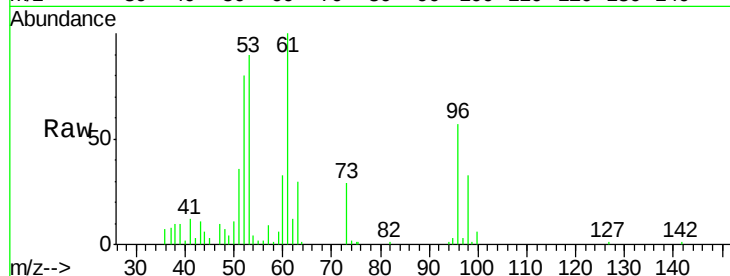
Tot Ion: 53 Resp: 153952

Ion Ratio Lower Upper

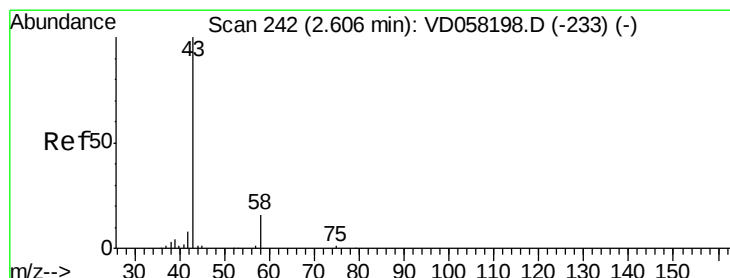
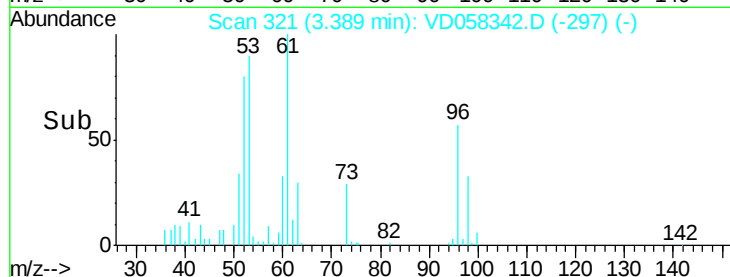
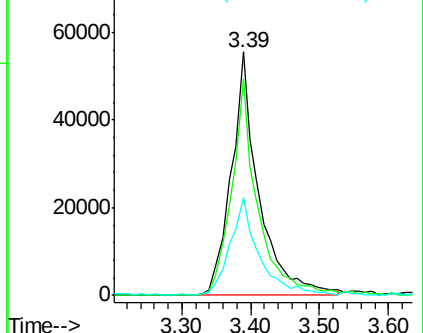
53 100

52 89.0 72.6 108.8

51 40.1 32.2 48.4



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



#16

Acetone

Concen: 108.20 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD058342.D

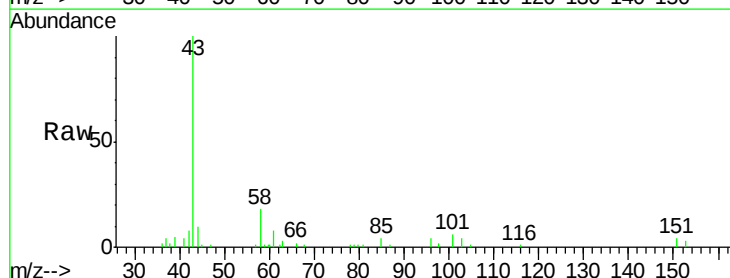
Acq: 23 Jun 2018 15:50

Tgt Ion: 43 Resp: 146367

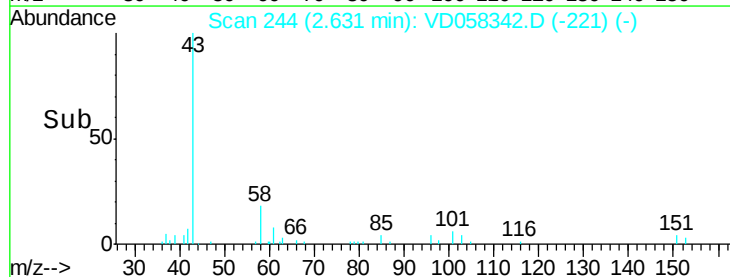
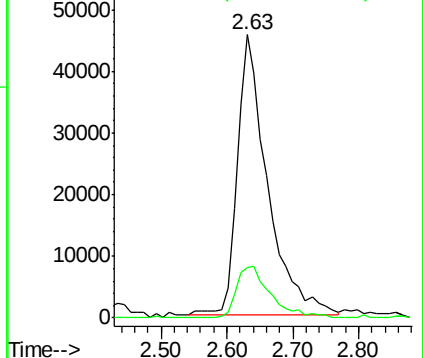
Ion Ratio Lower Upper

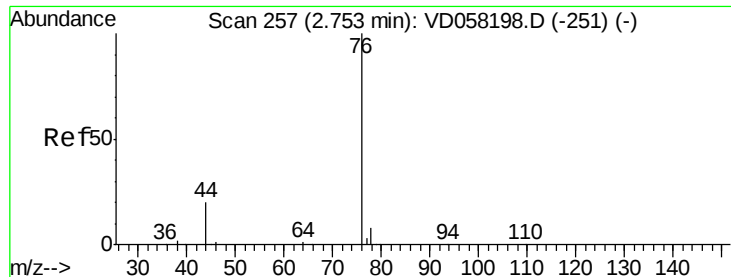
43 100

58 17.8 12.7 19.1



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

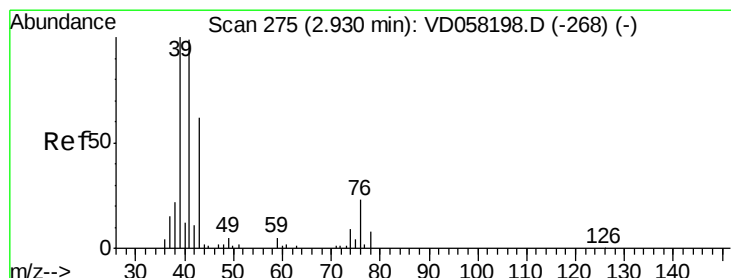
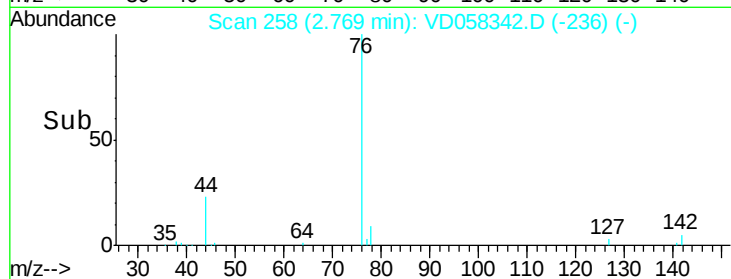
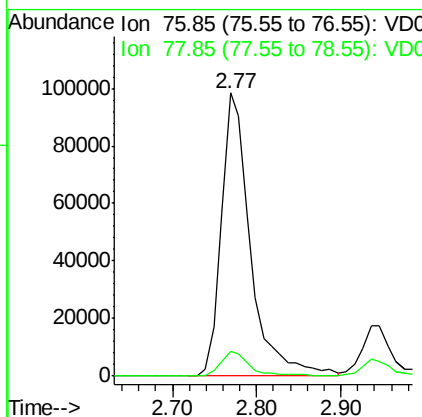
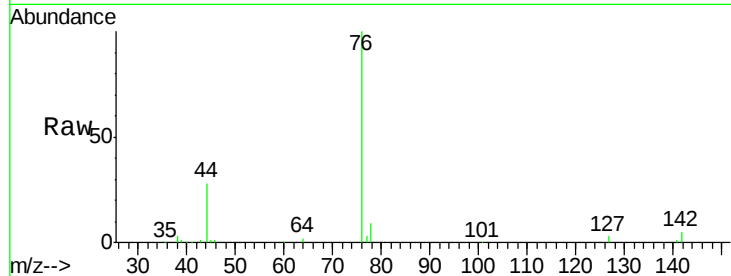




#17
Carbon Disulfide
Concen: 20.65 ug/l
RT: 2.77 min Scan# 258
Delta R.T. 0.02 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

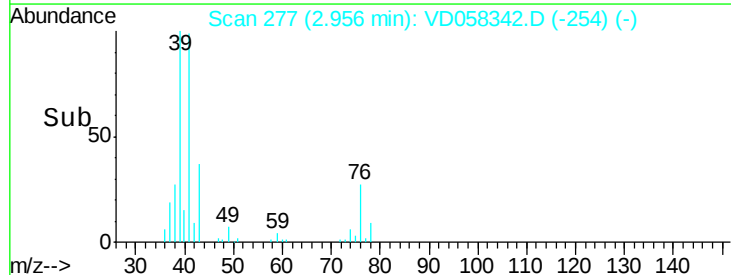
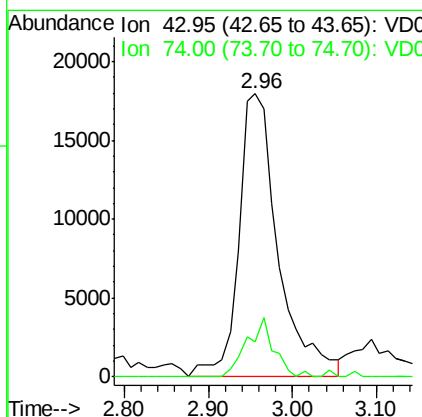
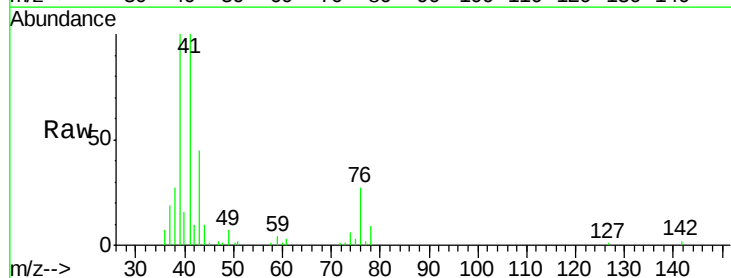
Instrument :
MSVOA_D
ClientSampleId :

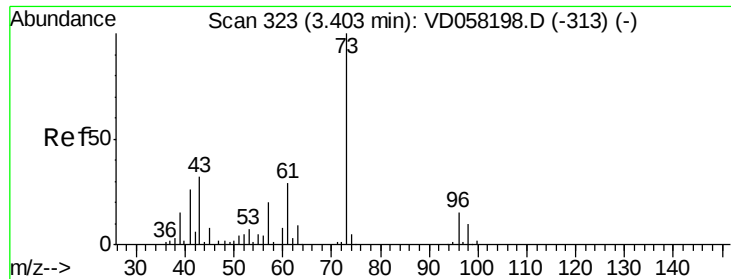
Tot Ion: 76 Resp: 236429
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2



#18
Methyl Acetate
Concen: 20.37 ug/l
RT: 2.96 min Scan# 277
Delta R.T. 0.03 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Tgt Ion: 43 Resp: 58759
Ion Ratio Lower Upper
43 100
74 12.5 11.7 17.5

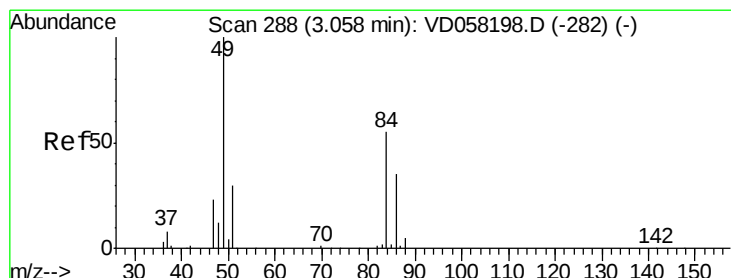
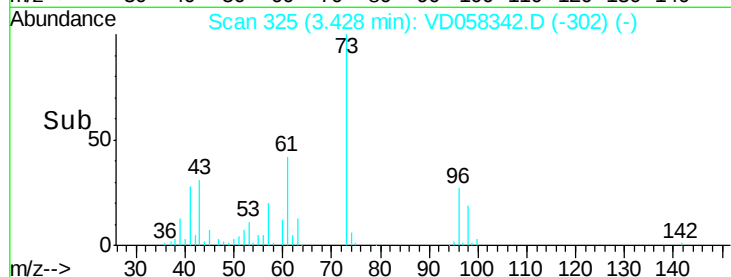
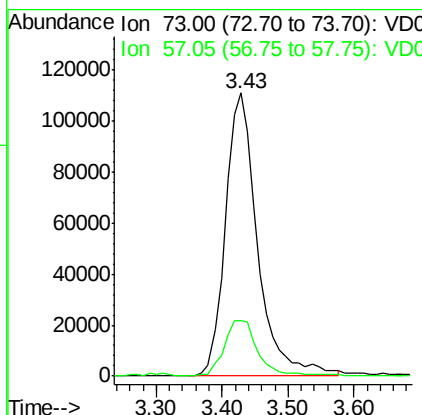
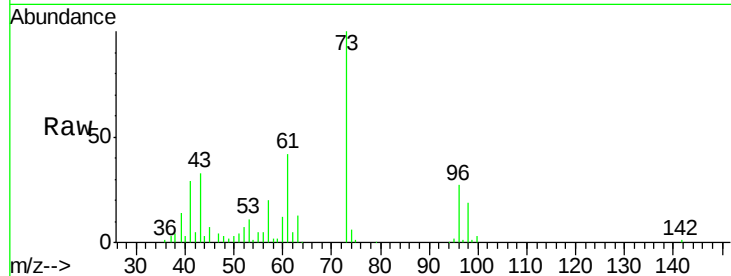




#19
Methvl tert-butvl Ether
Concen: 42.49 ug/l
RT: 3.43 min Scan# 325
Delta R.T. 0.03 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

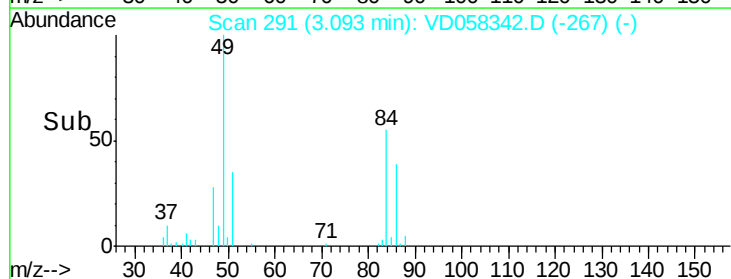
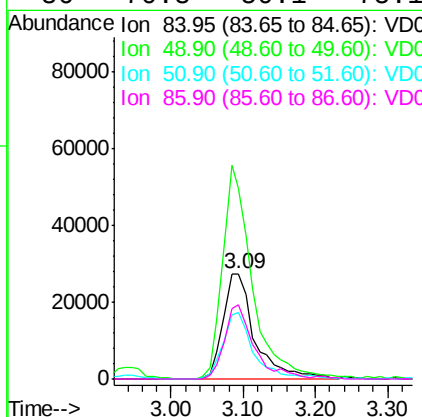
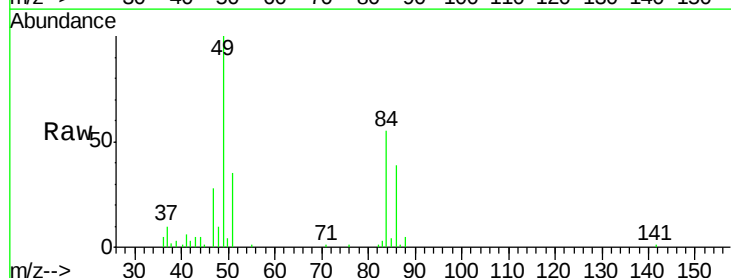
Instrument :
MSVOA_D
ClientSampleId :

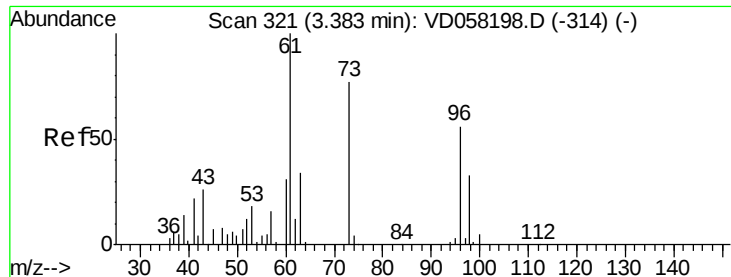
Tot Ion: 73 Resp: 379186
Ion Ratio Lower Upper
73 100
57 19.8 16.6 24.8



#20
Methylene Chloride
Concen: 20.96 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.04 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Tgt Ion: 84 Resp: 83781
Ion Ratio Lower Upper
84 100
49 180.9 145.0 217.6
51 63.0 42.9 64.3
86 70.8 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 48.93 ug/l

RT: 3.41 min Scan# 323

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

ClientSampleID :

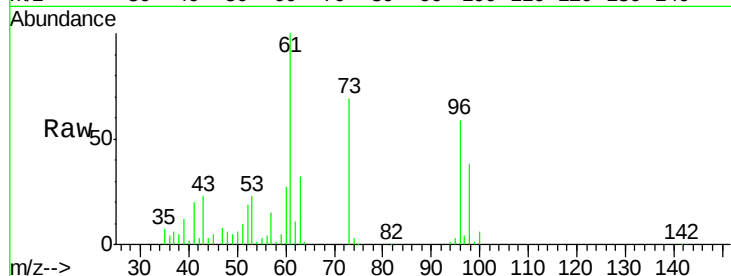
Tot Ion: 96 Resp: 179903

Ion Ratio Lower Upper

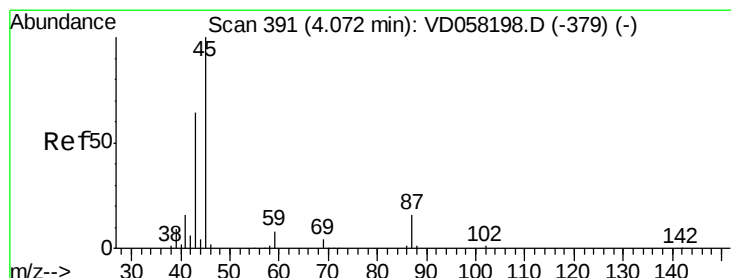
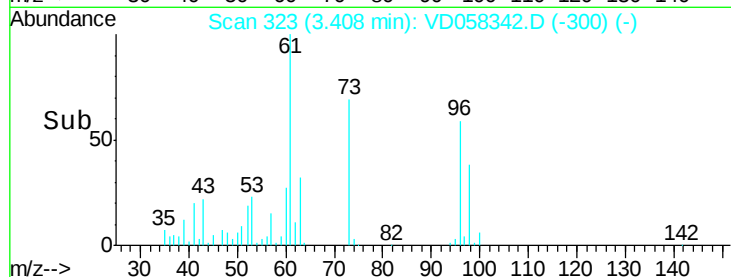
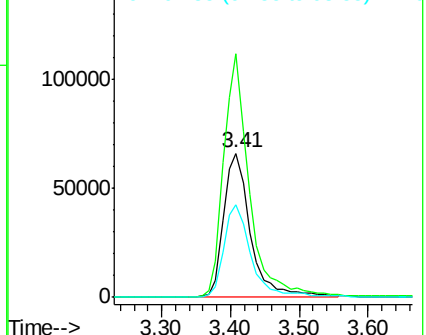
96 100

61 168.8 143.8 215.6

98 63.8 48.0 72.0



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



#22

Diisopropyl ether

Concen: 21.40 ug/l

RT: 4.10 min Scan# 393

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Tgt Ion: 45 Resp: 665500

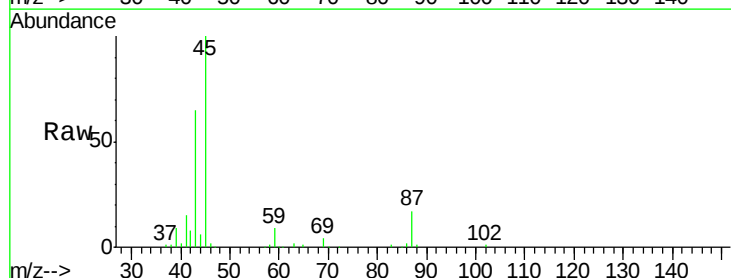
Ion Ratio Lower Upper

45 100

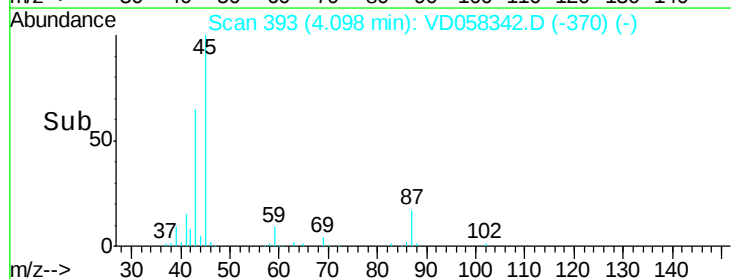
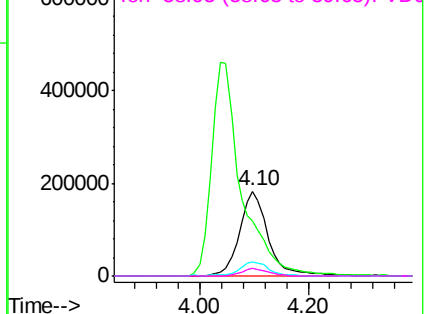
43 65.4 51.4 77.0

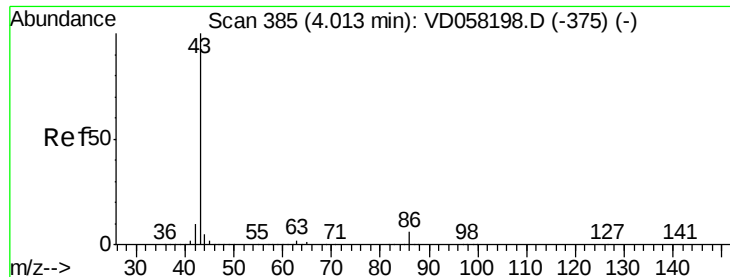
87 16.6 13.0 19.4

59 8.5 6.9 10.3



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





#23

Vinyl Acetate

Concen: 104.74 ug/l

RT: 4.04 min Scan# 387

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

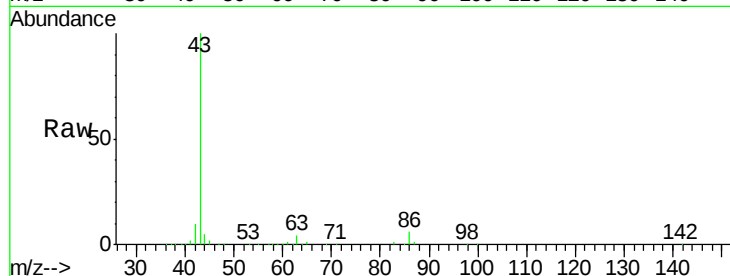
ClientSampled :

Tot Ion: 43 Resp: 1746226

Ion Ratio Lower Upper

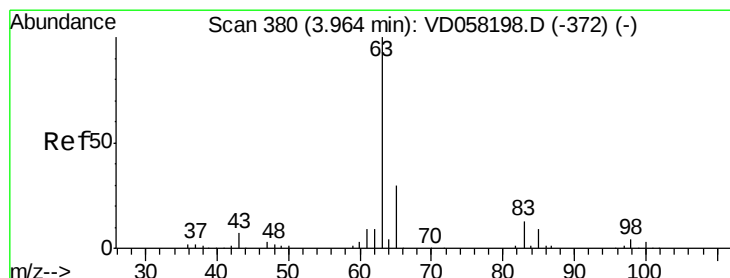
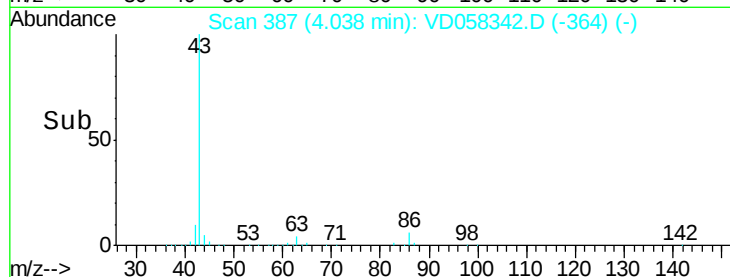
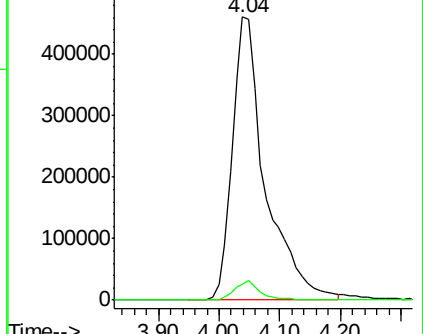
43 100

86 5.8 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.35 ug/l

RT: 4.00 min Scan# 383

Delta R.T. 0.04 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

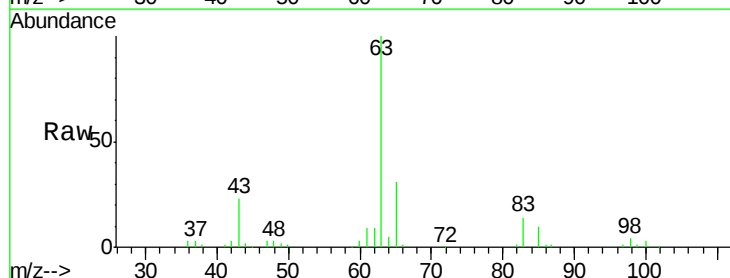
Tgt Ion: 63 Resp: 374491

Ion Ratio Lower Upper

63 100

98 4.4 1.9 5.7

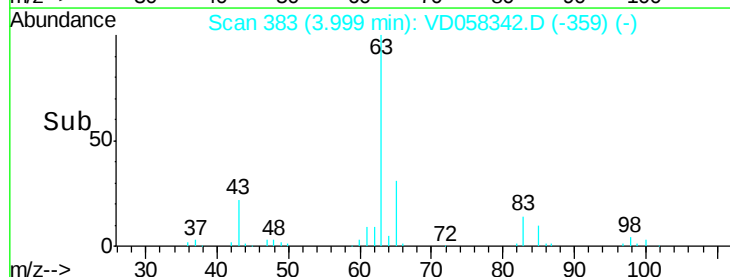
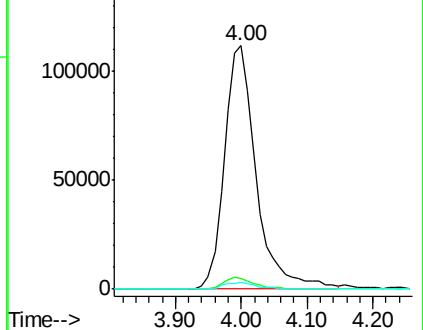
100 2.8 1.3 3.9

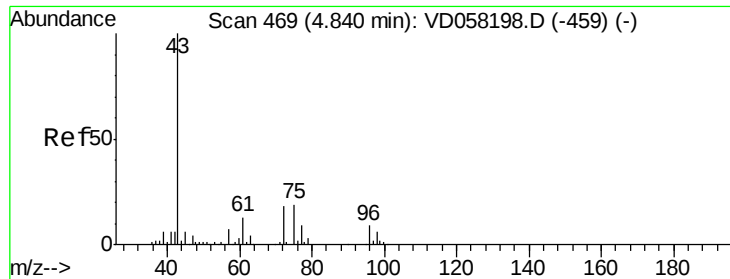


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 104.12 ug/l

RT: 4.87 min Scan# 471

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

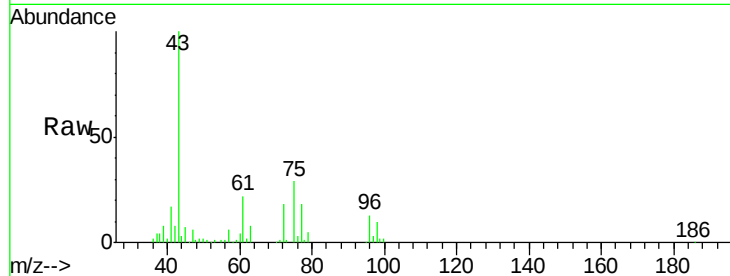
ClientSampleId :

Tot Ion: 43 Resp: 306993

Ion Ratio Lower Upper

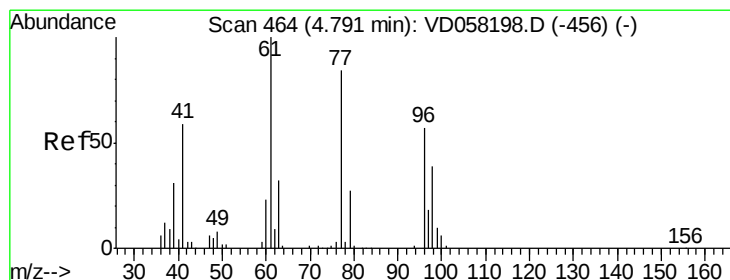
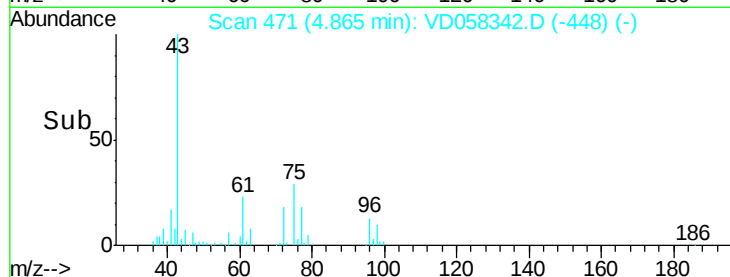
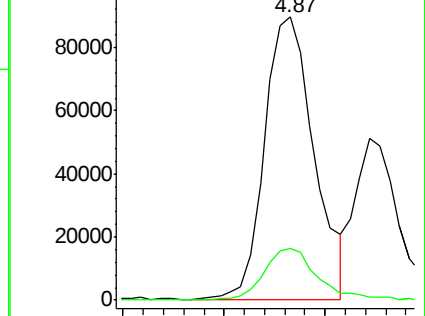
43 100

72 18.3 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.85 ug/l

RT: 4.83 min Scan# 467

Delta R.T. 0.04 min

Lab File: VD058342.D

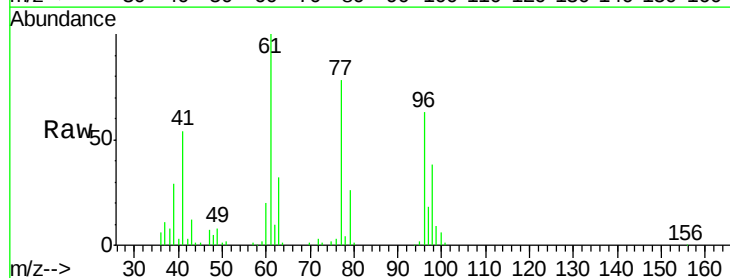
Acq: 23 Jun 2018 15:50

Tgt Ion: 77 Resp: 320634

Ion Ratio Lower Upper

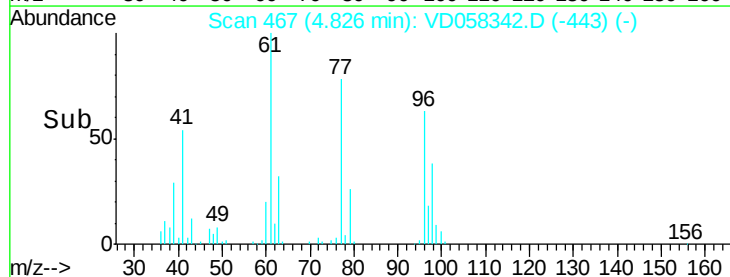
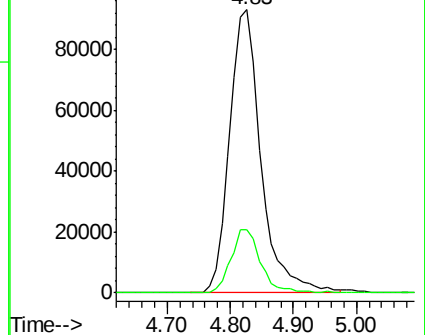
77 100

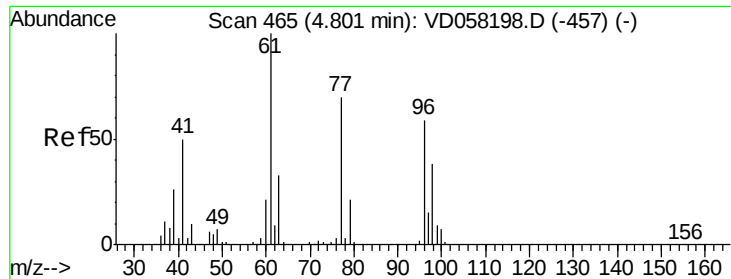
97 22.4 10.5 31.6



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: 23.74 ug/l

RT: 4.83 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

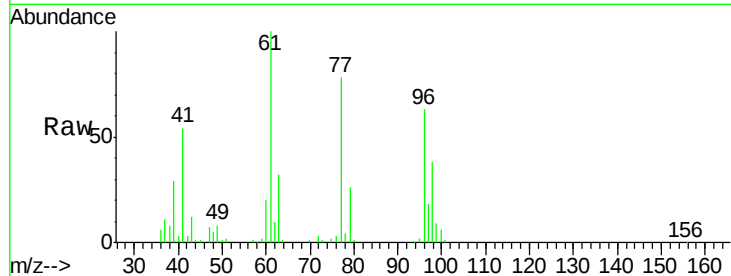
Tot Ion: 96 Resp: 218105

Ion Ratio Lower Upper

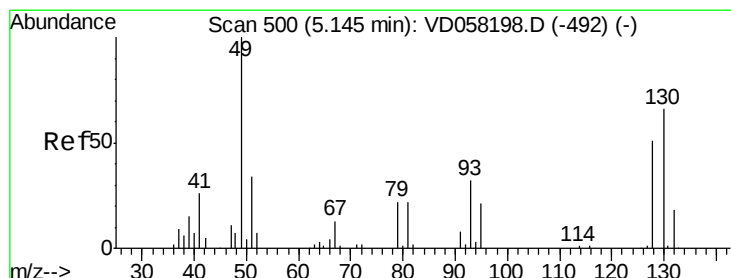
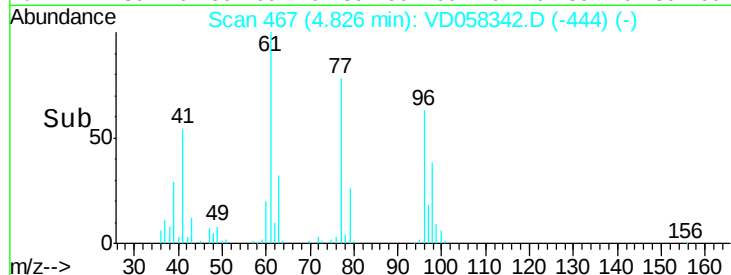
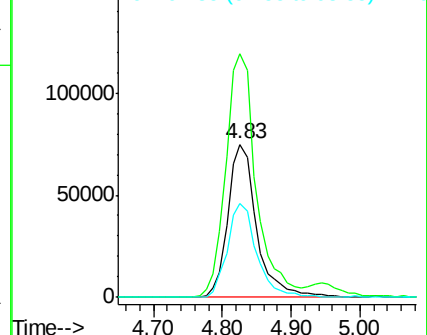
96 100

61 159.2 0.0 338.6

98 61.2 0.0 130.2



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



#28

Bromochloromethane

Concen: 23.13 ug/l

RT: 5.17 min Scan# 502

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

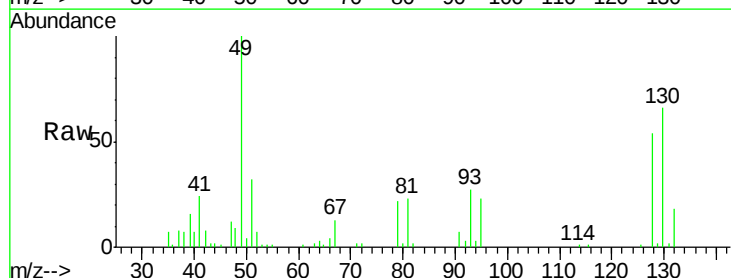
Tgt Ion: 49 Resp: 173721

Ion Ratio Lower Upper

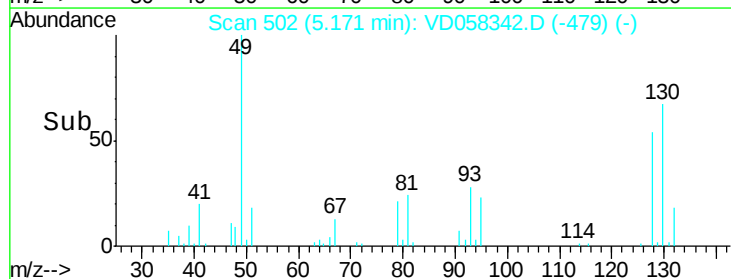
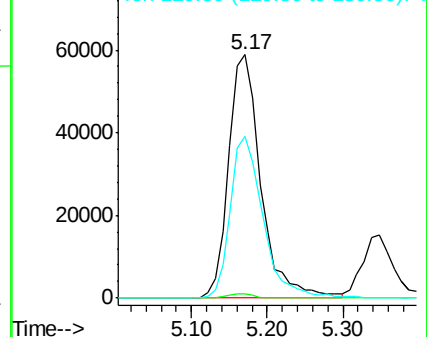
49 100

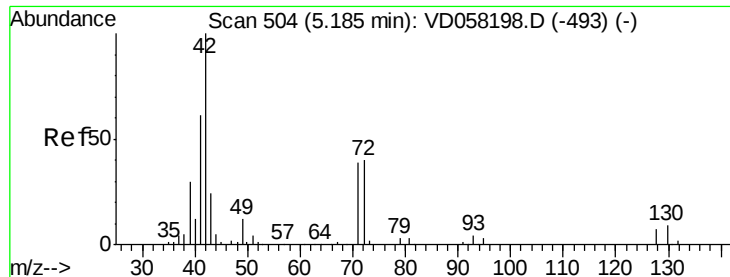
129 1.5 0.0 0.0#

130 66.3 52.6 79.0



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

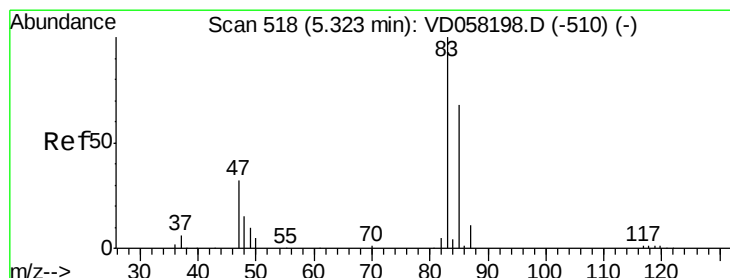
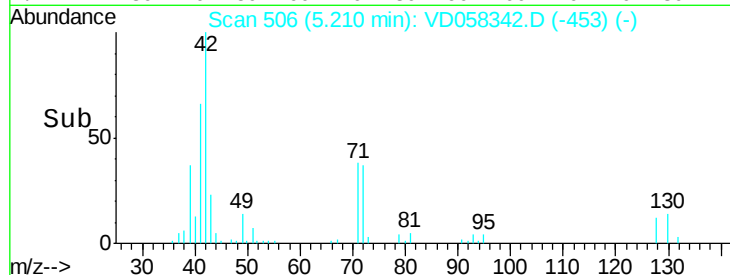
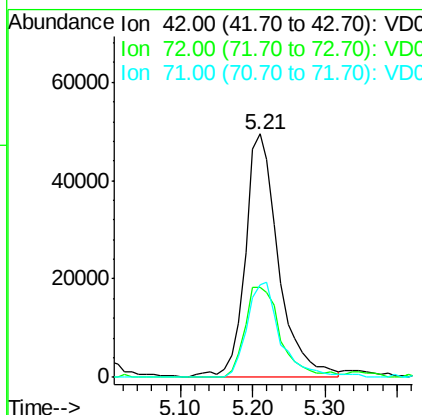
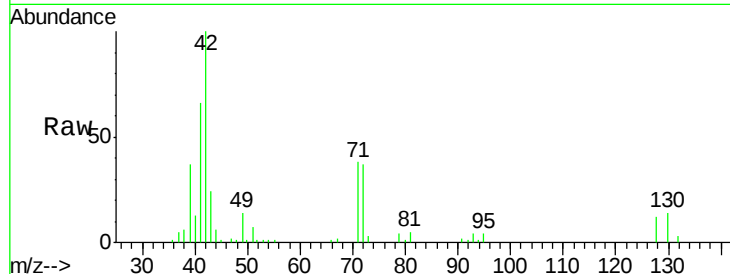




#29
Tetrahydrofuran
Concen: 101.86 ug/l
RT: 5.21 min Scan# 506
Delta R.T. 0.03 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

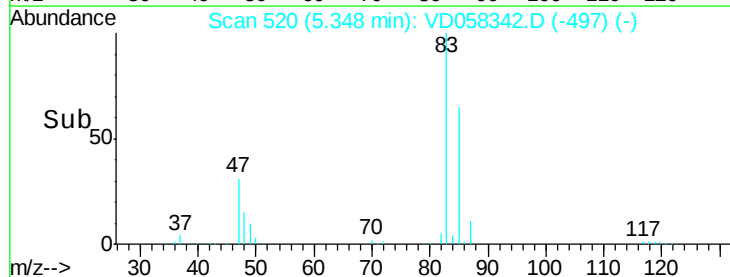
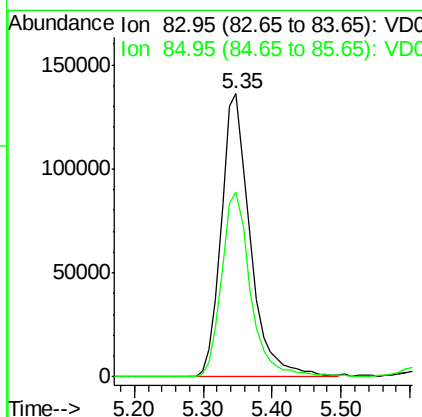
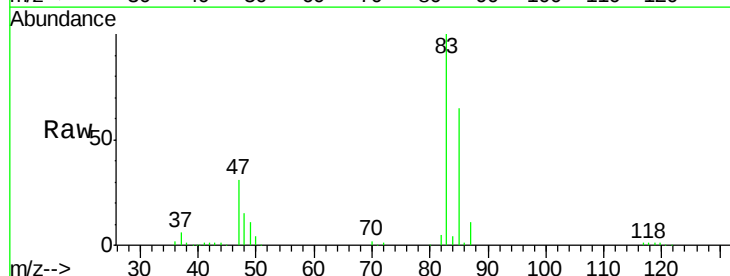
Instrument :
MSVOA_D
ClientSampleId :

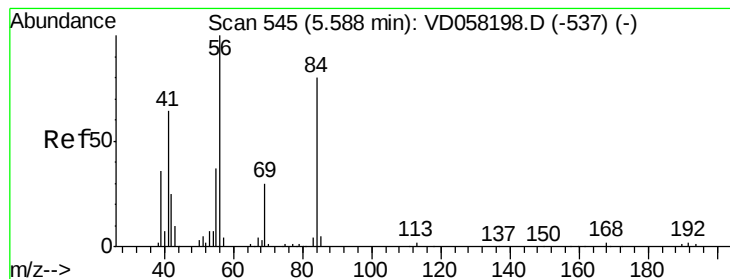
Tot Ion: 42 Resp: 159849
Ion Ratio Lower Upper
42 100
72 40.1 30.2 45.2
71 39.0 30.1 45.1



#30
Chloroform
Concen: 22.45 ug/l
RT: 5.35 min Scan# 520
Delta R.T. 0.03 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Tgt Ion: 83 Resp: 397148
Ion Ratio Lower Upper
83 100
85 65.1 54.8 82.2





#31

Cyclohexane

Concen: 21.48 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :
MSVOA_D
ClientSampled :

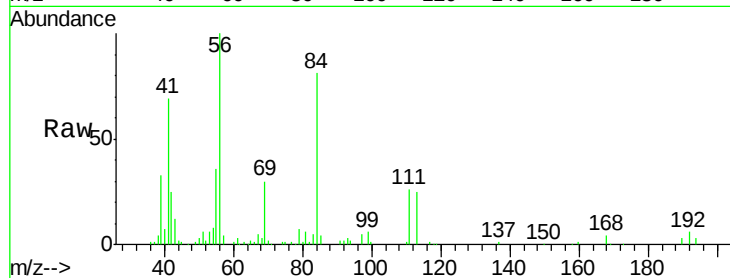
Tot Ion: 56 Resp: 297551

Ion Ratio Lower Upper

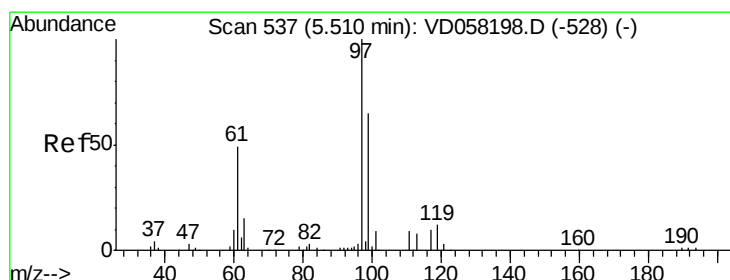
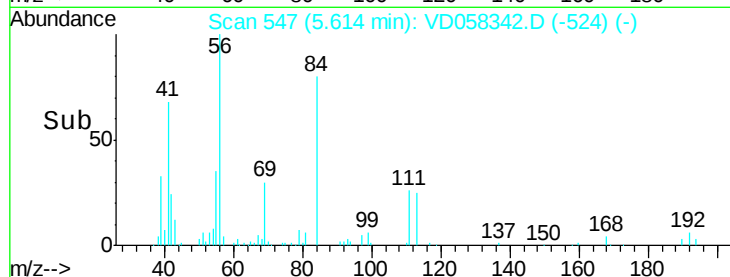
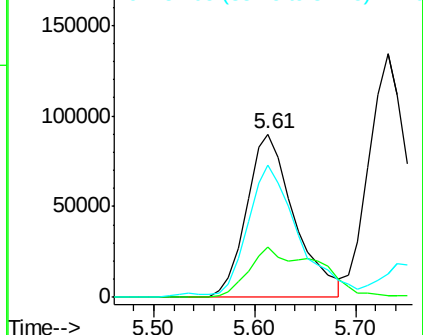
56 100

69 30.5 23.6 35.4

84 81.1 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 21.75 ug/l

RT: 5.53 min Scan# 539

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

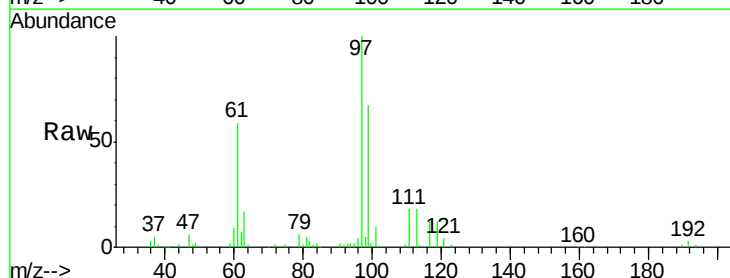
Tgt Ion: 97 Resp: 317833

Ion Ratio Lower Upper

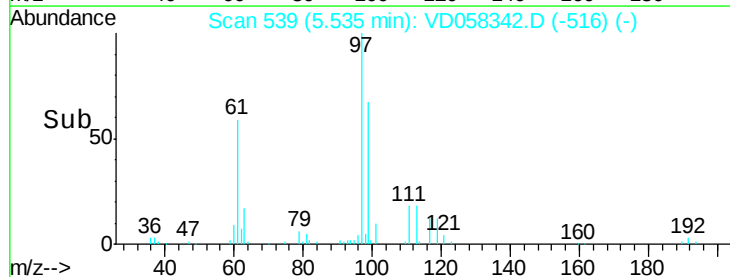
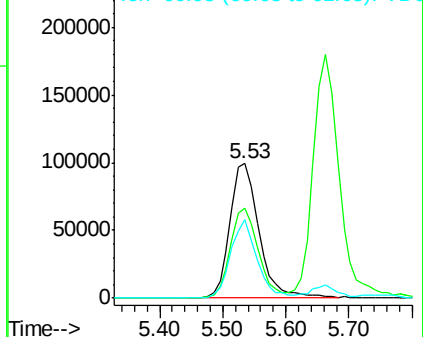
97 100

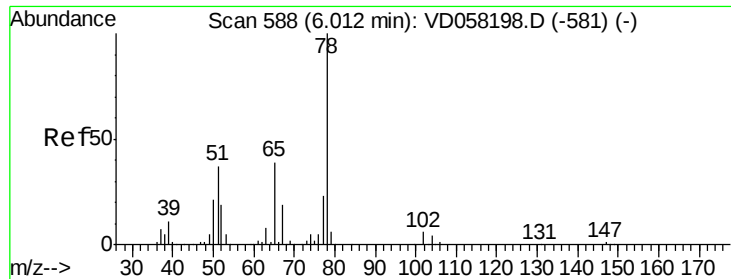
99 66.6 52.2 78.4

61 58.6 39.0 58.4#



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





#33

1,2-Dichloroethane-d4

Concen: 21.75 ug/l

RT: 6.04 min Scan# 590

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

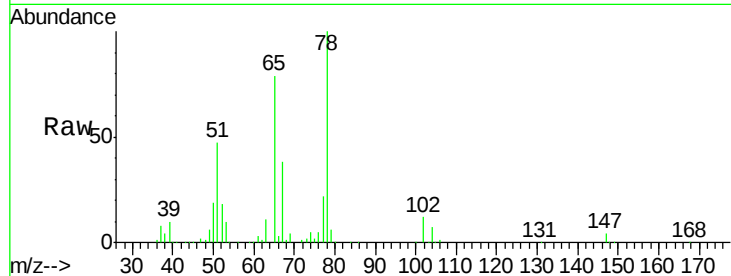
ClientSampled :

Tot Ion: 65 Resp: 519133

Ion Ratio Lower Upper

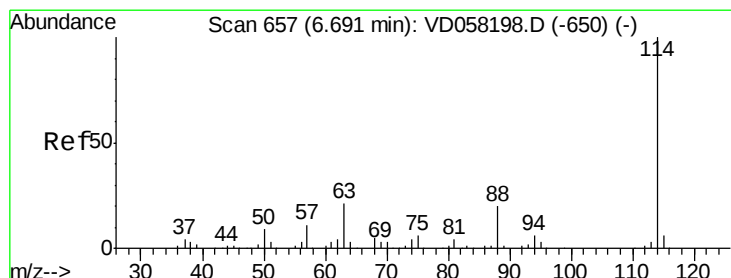
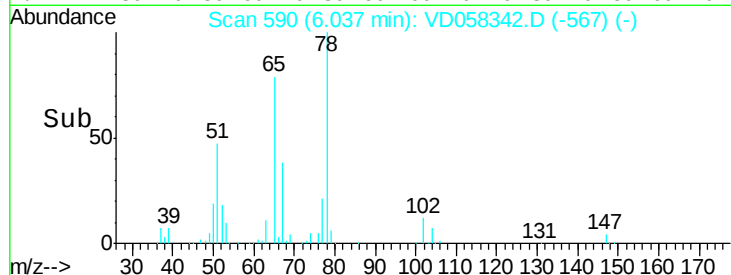
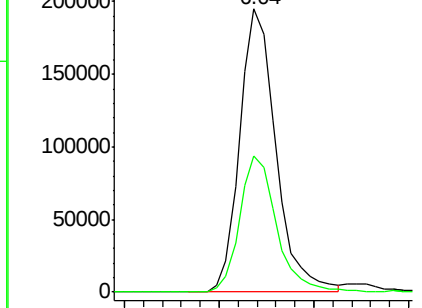
65 100

67 48.2 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.72 min Scan# 659

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

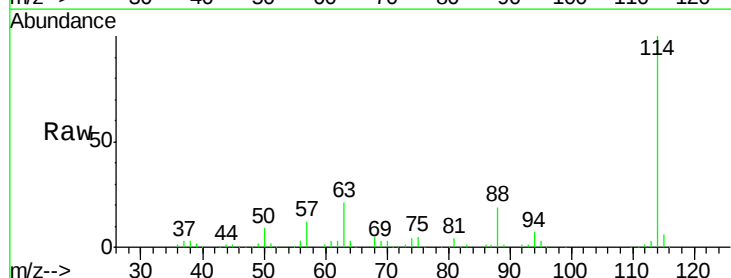
Tgt Ion: 114 Resp: 1289827

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

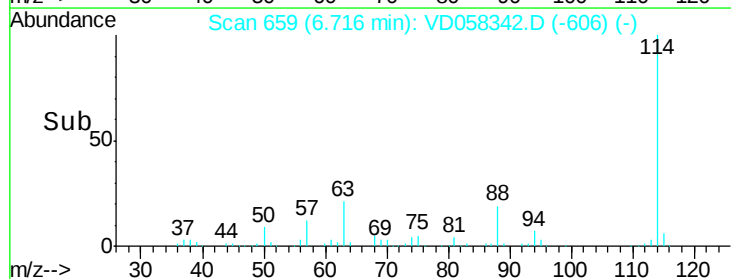
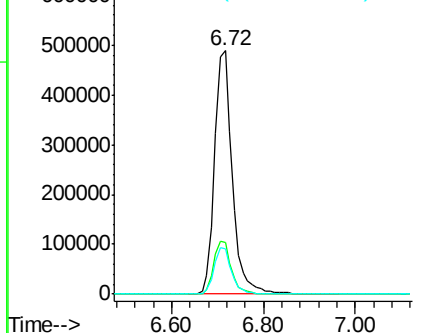
88 18.7 0.0 40.6

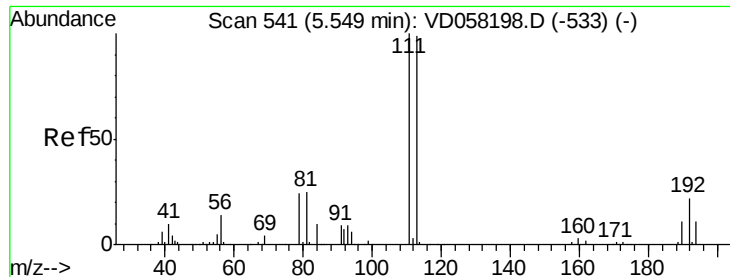


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.57 min Scan# 543

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :
MSVOA_D
ClientSampled :

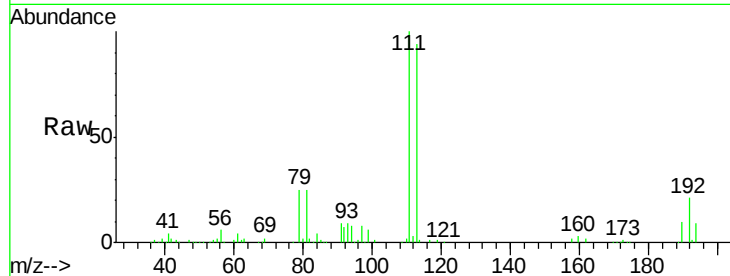
Tot Ion:113 Resp: 529158

Ion Ratio Lower Upper

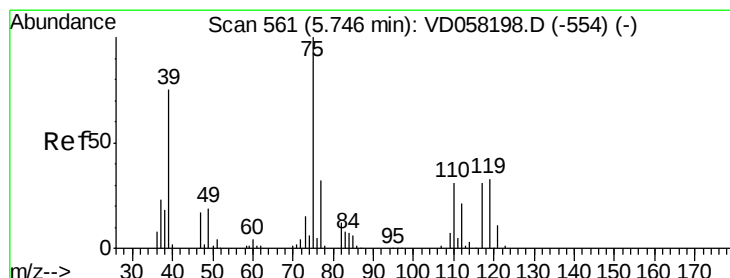
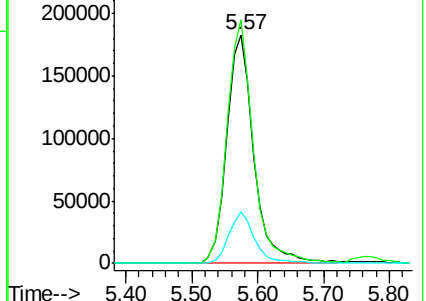
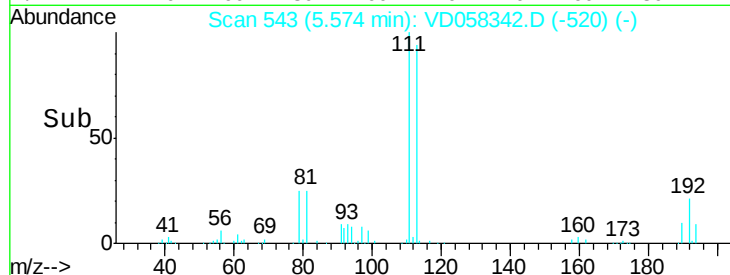
113 100

111 106.7 80.6 121.0

192 22.5 17.8 26.6



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



#36

1,1-Dichloropropene

Concen: 21.64 ug/l

RT: 5.76 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

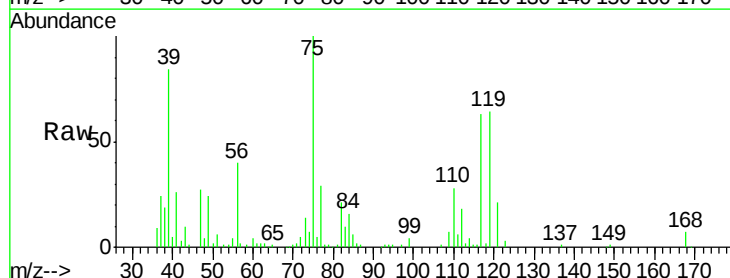
Tgt Ion: 75 Resp: 276143

Ion Ratio Lower Upper

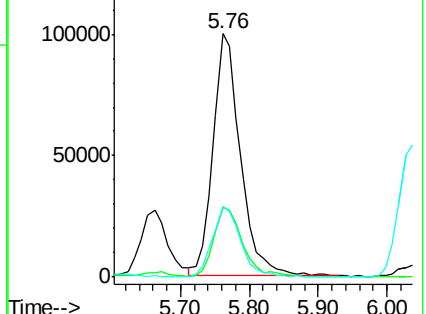
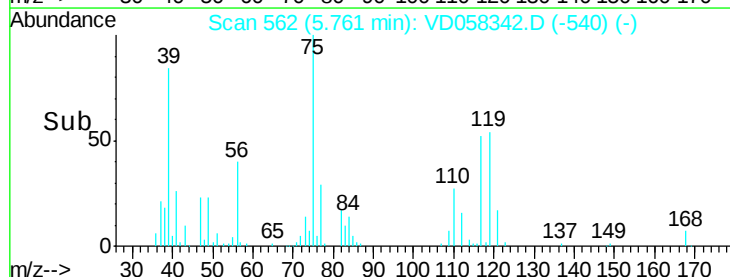
75 100

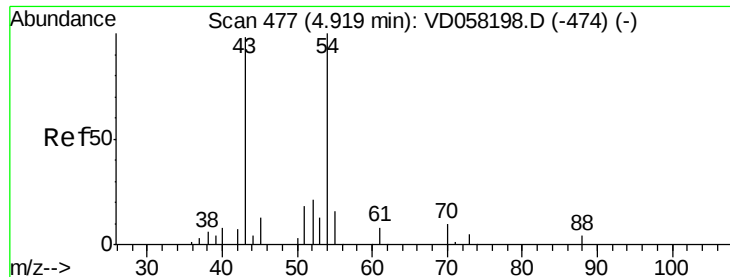
110 28.4 15.4 46.4

77 29.3 25.4 38.2



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

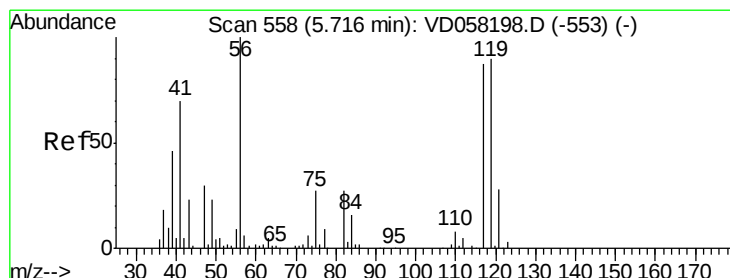
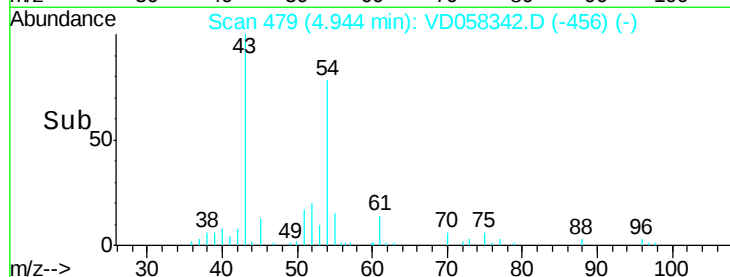
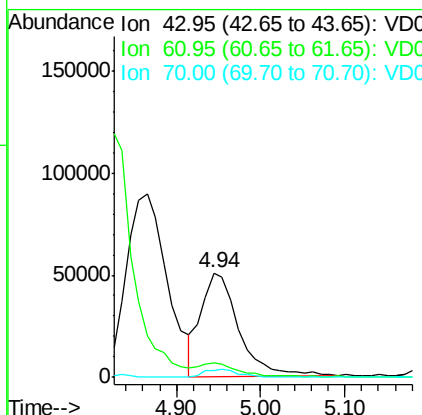
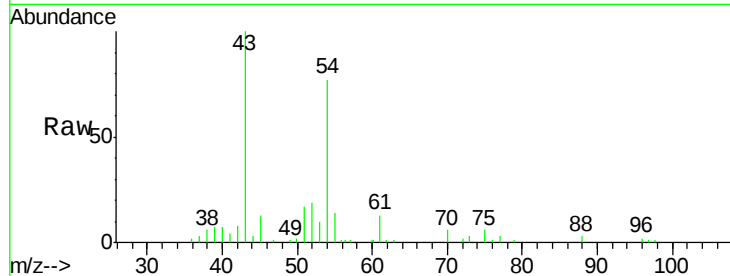




#37
Ethyl Acetate
Concen: 21.41 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.03 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

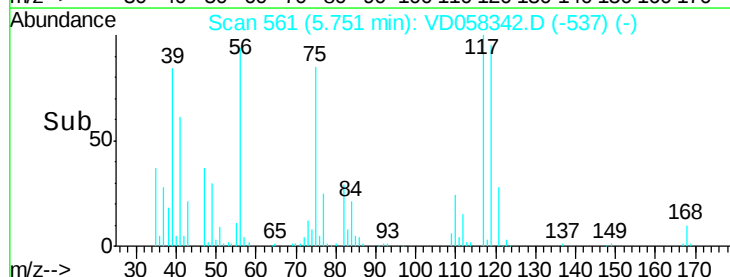
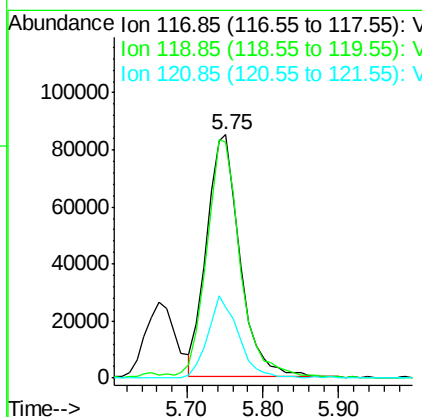
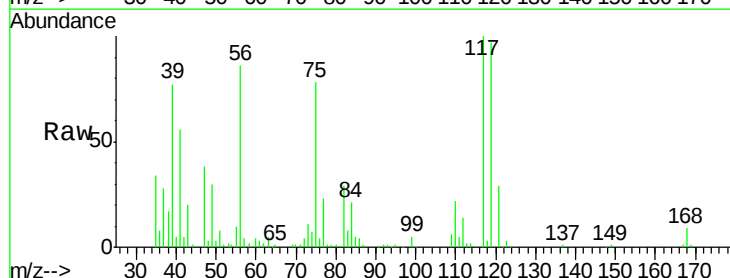
Instrument :
MSVOA_D
ClientSampleId :

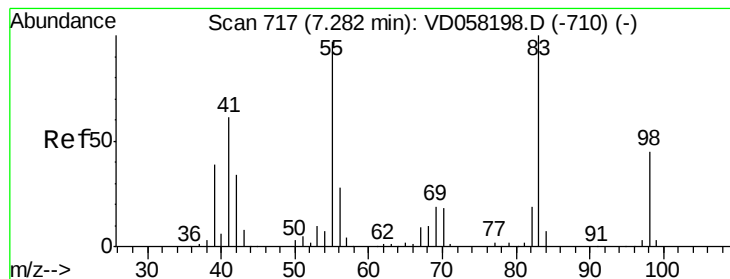
Tot Ion: 43 Resp: 155619
Ion Ratio Lower Upper
43 100
61 13.3 10.3 15.5
70 6.4 5.7 8.5



#38
Carbon Tetrachloride
Concen: 20.41 ug/l
RT: 5.75 min Scan# 561
Delta R.T. 0.04 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Tgt Ion: 117 Resp: 258740
Ion Ratio Lower Upper
117 100
119 97.1 78.8 118.2
121 28.8 25.0 37.6





#39

Methvlcvclohexane

Concen: 22.26 ug/l

RT: 7.30 min Scan# 718

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

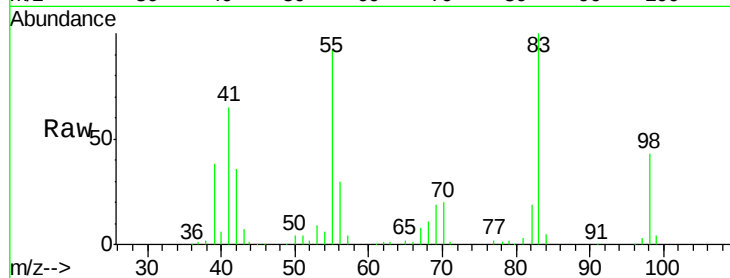
Tot Ion: 83 Resp: 276708

Ion Ratio Lower Upper

83 100

55 91.6 77.4 116.2

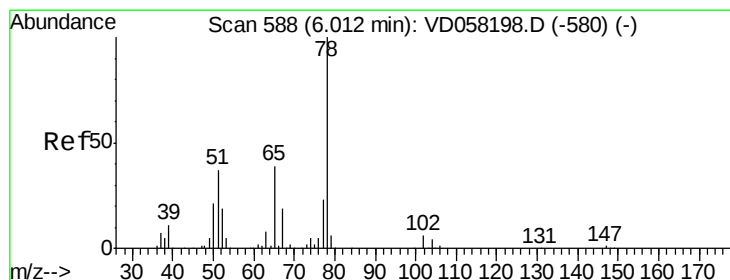
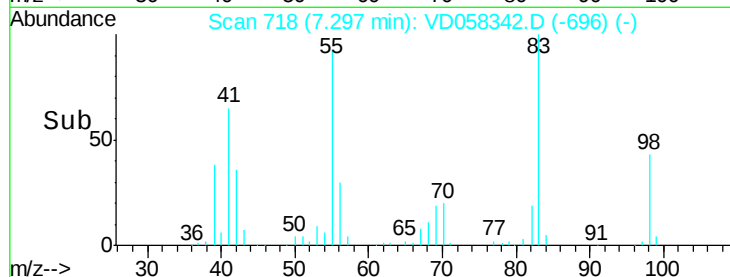
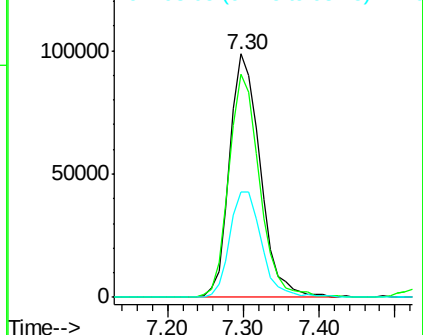
98 43.4 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 22.45 ug/l

RT: 6.04 min Scan# 590

Delta R.T. 0.03 min

Lab File: VD058342.D

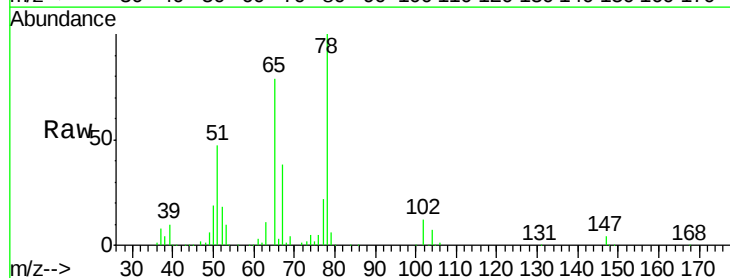
Acq: 23 Jun 2018 15:50

Tgt Ion: 78 Resp: 682255

Ion Ratio Lower Upper

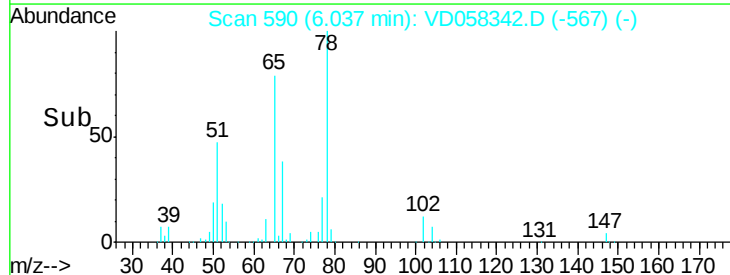
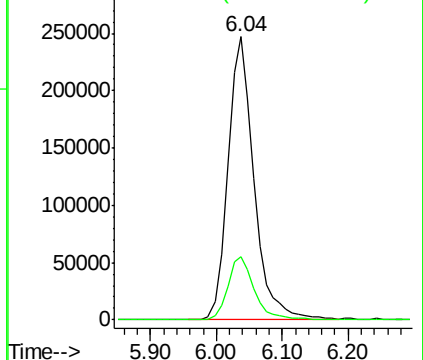
78 100

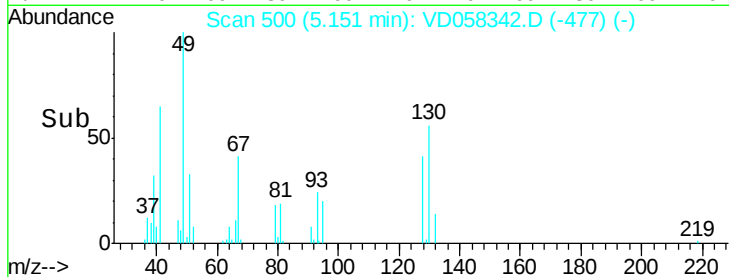
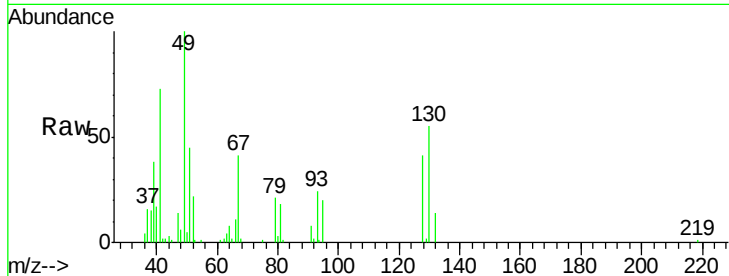
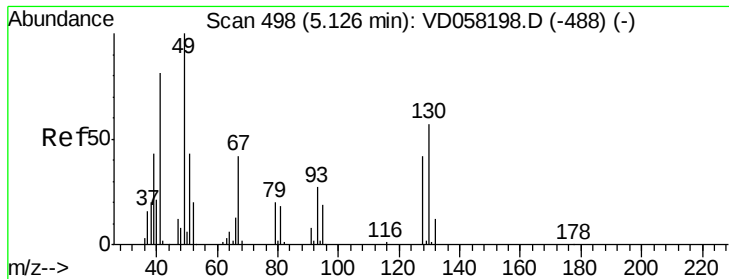
77 22.1 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.95 ug/l

RT: 5.15 min Scan# 500

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Tot Ion: 41 Resp: 70038

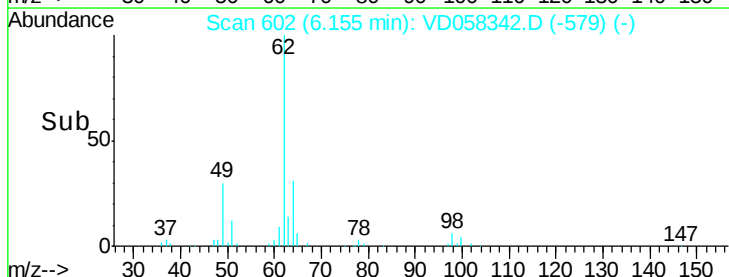
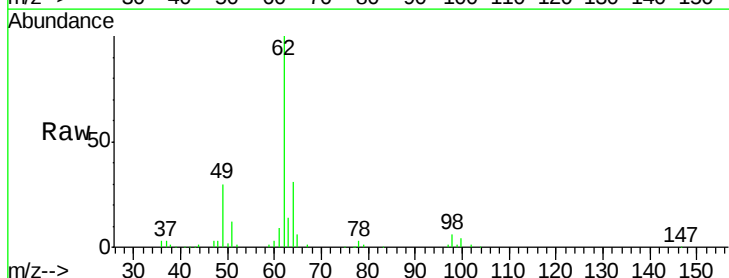
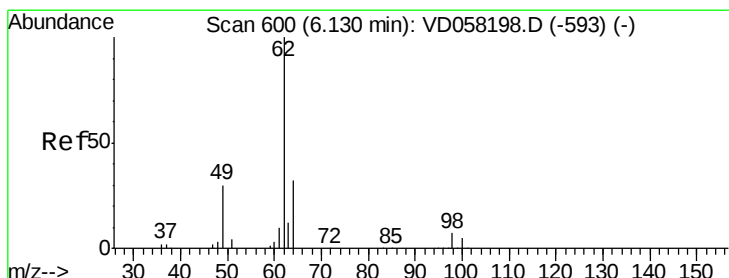
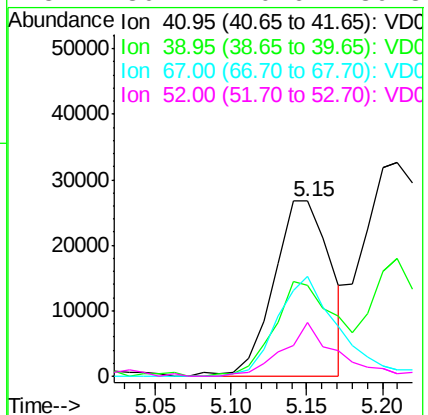
Ion Ratio Lower Upper

41 100

39 52.2 43.4 65.2

67 56.7 41.7 62.5

52 30.4 20.6 30.8



#42

1,2-Dichloroethane

Concen: 22.02 ug/l

RT: 6.16 min Scan# 602

Delta R.T. 0.03 min

Lab File: VD058342.D

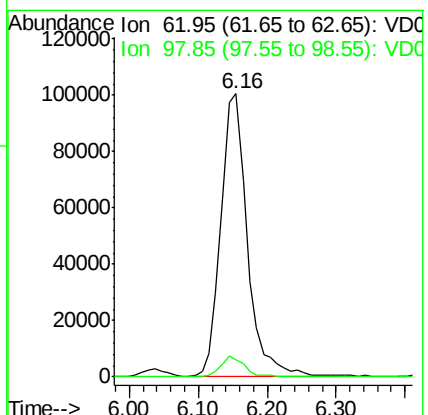
Acq: 23 Jun 2018 15:50

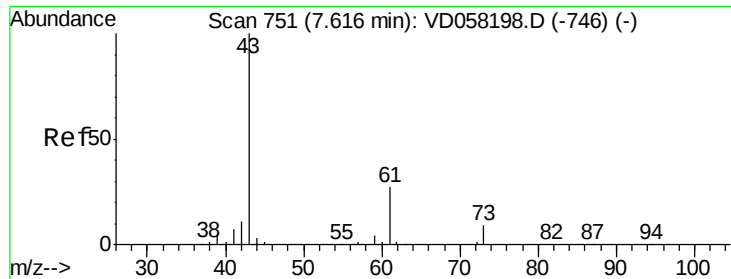
Tgt Ion: 62 Resp: 269852

Ion Ratio Lower Upper

62 100

98 5.8 0.0 13.2



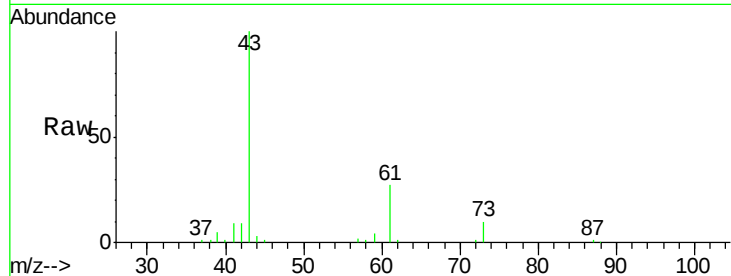


#43

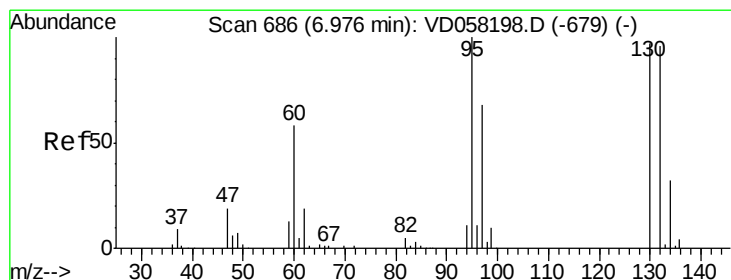
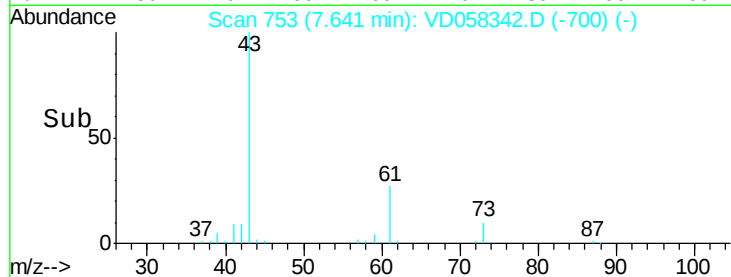
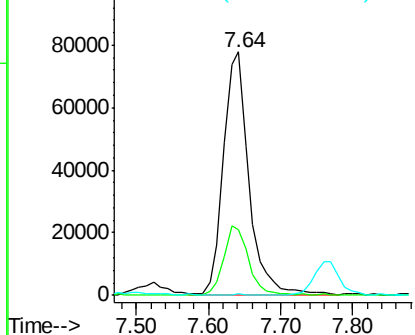
Isopropyl Acetate
 Concen: 19.51 ug/l
 RT: 7.64 min Scan# 753
 Delta R.T. 0.03 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 189100
 Ion Ratio Lower Upper
 43 100
 61 26.9 21.8 32.6
 87 0.5 0.3 0.5#



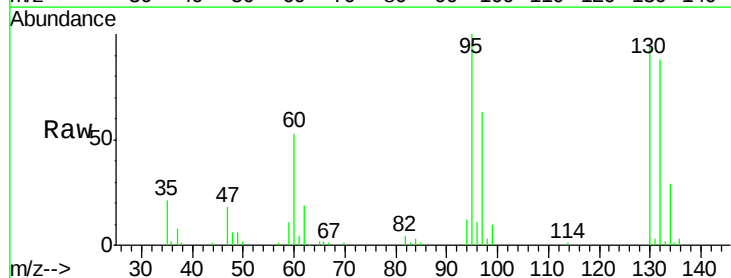
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



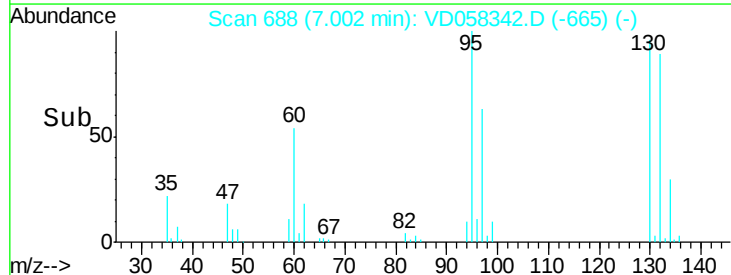
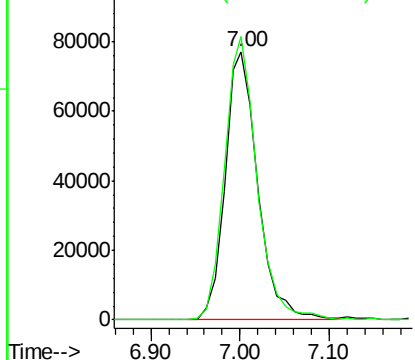
#44

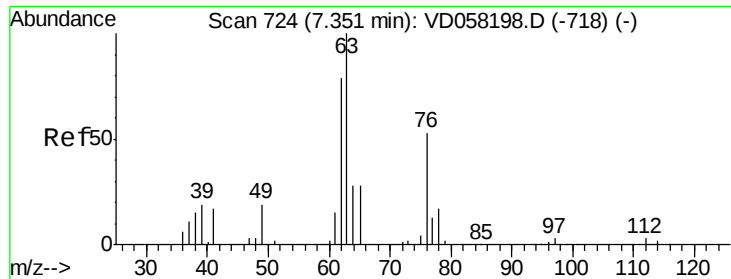
Trichloroethene
 Concen: 21.67 ug/l
 RT: 7.00 min Scan# 688
 Delta R.T. 0.03 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Tgt Ion:130 Resp: 197787
 Ion Ratio Lower Upper
 130 100
 95 105.5 0.0 205.6



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





#45

1,2-Dichloropropane

Concen: 22.66 ug/l

RT: 7.38 min Scan# 726

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

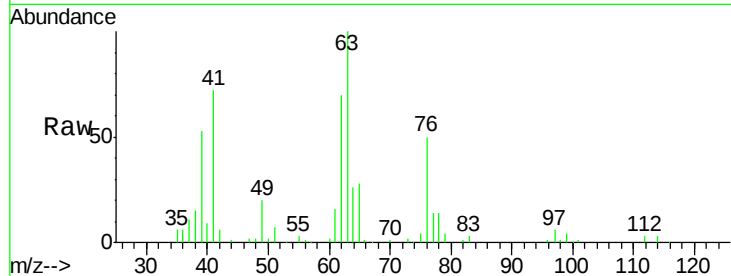
ClientSampled :

Tot Ion: 63 Resp: 185487

Ion Ratio Lower Upper

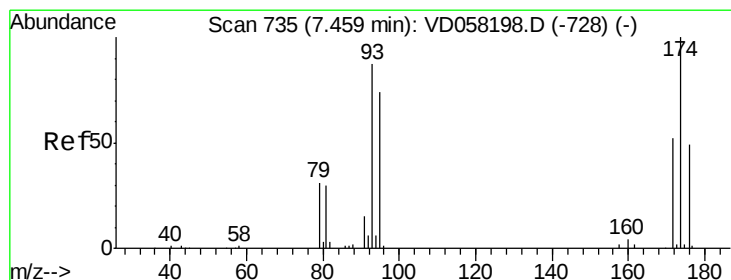
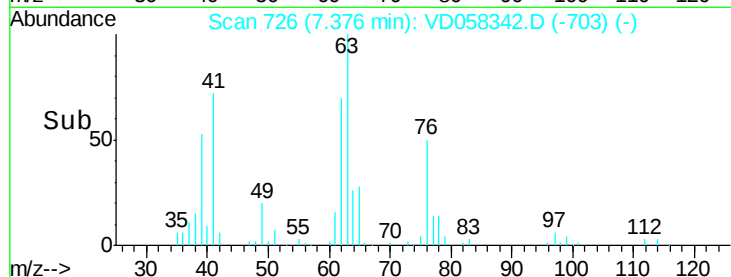
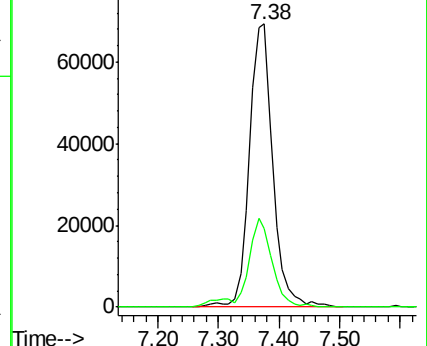
63 100

65 28.0 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.75 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

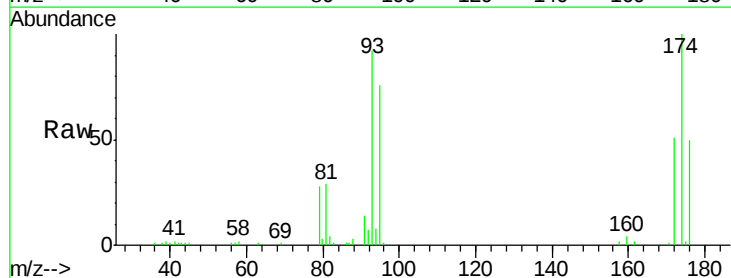
Tgt Ion: 93 Resp: 121525

Ion Ratio Lower Upper

93 100

95 83.2 67.8 101.6

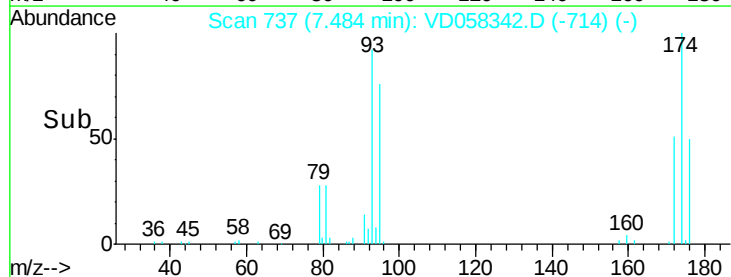
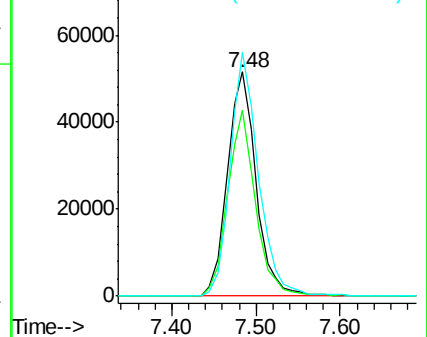
174 108.7 92.2 138.2

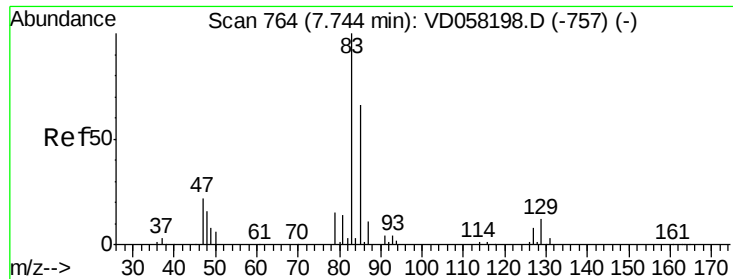


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.71 ug/l

RT: 7.76 min Scan# 765

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

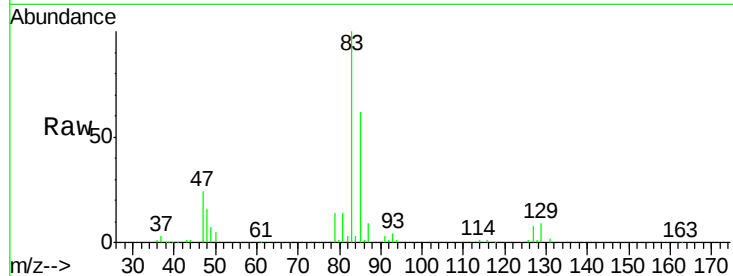
Tot Ion: 83 Resp: 276587

Ion Ratio Lower Upper

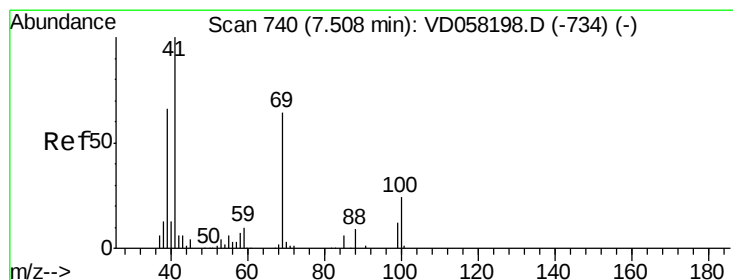
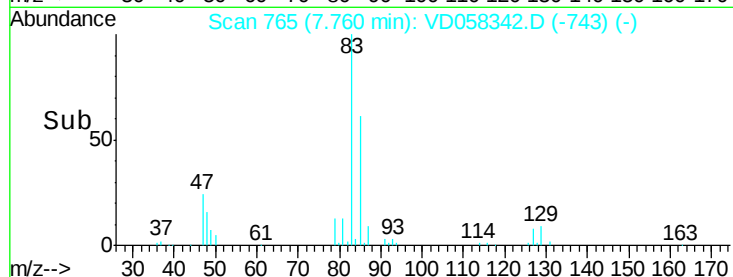
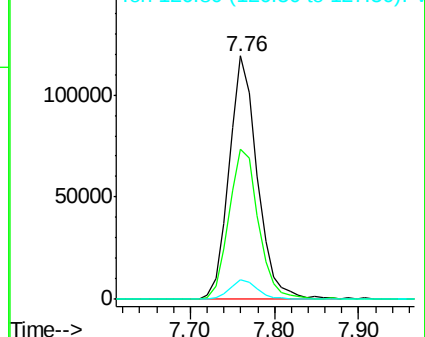
83 100

85 61.9 52.6 78.8

127 8.0 6.2 9.4



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



#48

Methyl methacrylate

Concen: 20.09 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

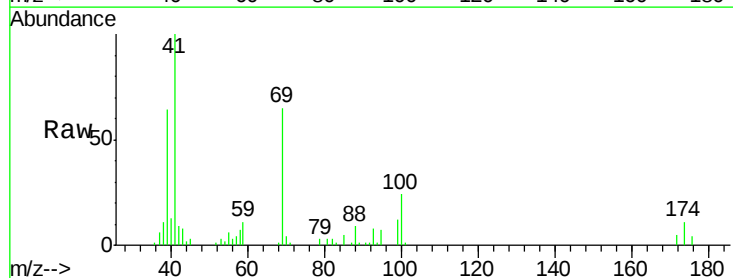
Tgt Ion: 41 Resp: 118340

Ion Ratio Lower Upper

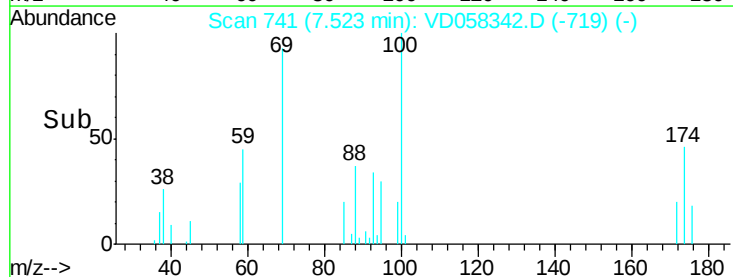
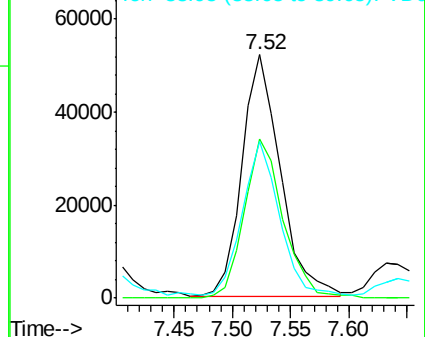
41 100

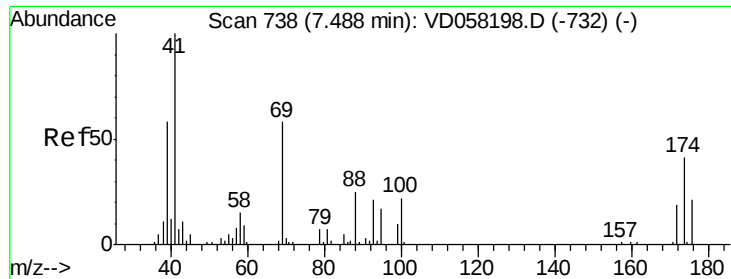
69 65.3 50.7 76.1

39 64.4 52.6 78.8



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

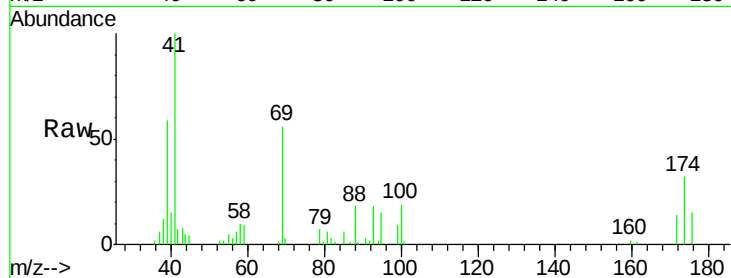




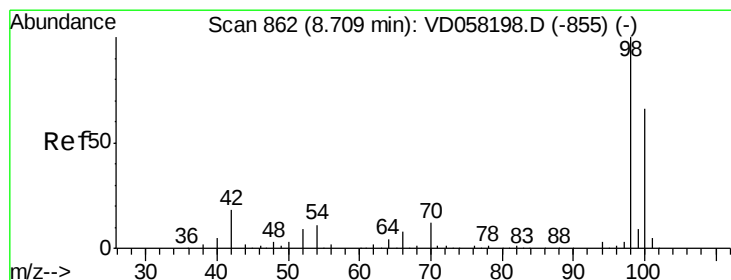
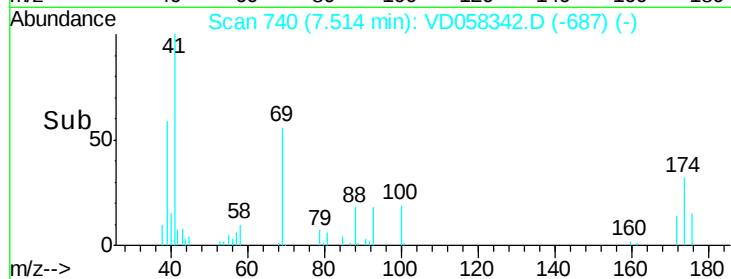
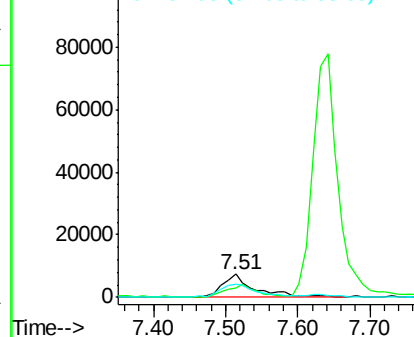
#49
 1,4-Dioxane
 Concen: 422.66 ug/l
 RT: 7.51 min Scan# 740
 Delta R.T. 0.03 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 88 Resp: 22475
 Ion Ratio Lower Upper
 88 100
 43 43.1 34.2 51.2
 58 58.5 47.9 71.9

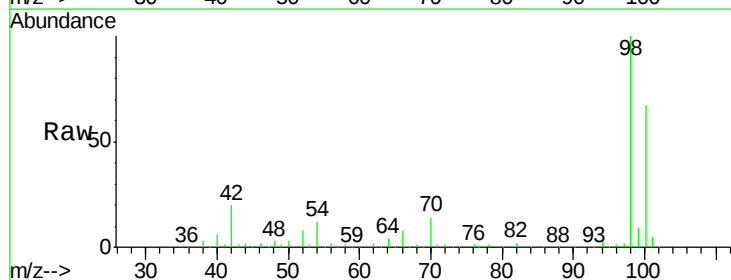


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

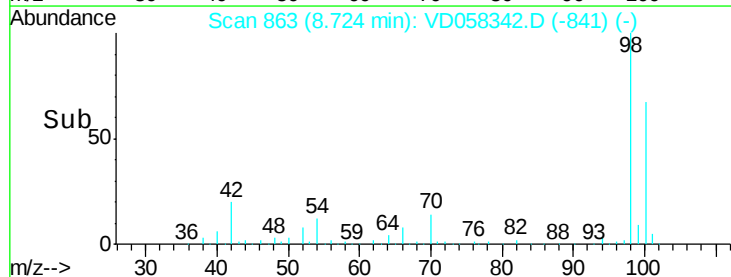
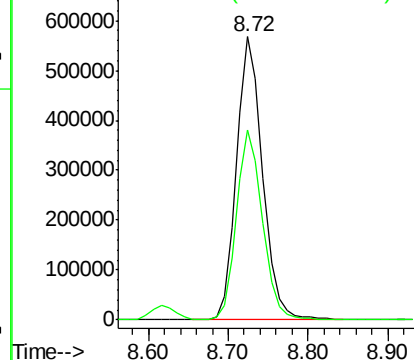


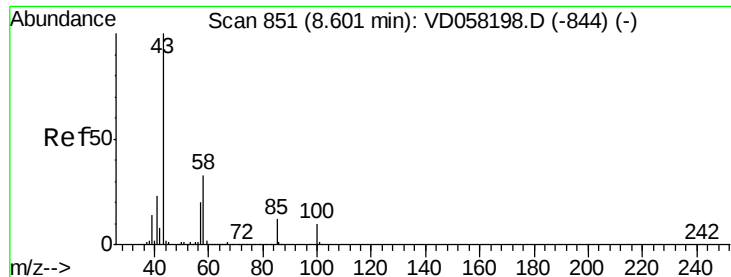
#50
 Toluene-d8
 Concen: 422.66 ug/l
 RT: 8.72 min Scan# 863
 Delta R.T. 0.02 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Tgt Ion: 98 Resp: 1296569
 Ion Ratio Lower Upper
 98 100
 100 66.9 53.6 80.4



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





#51

4-Methyl-2-Pentanone

Concen: 105.67 ug/l

RT: 8.62 min Scan# 852

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

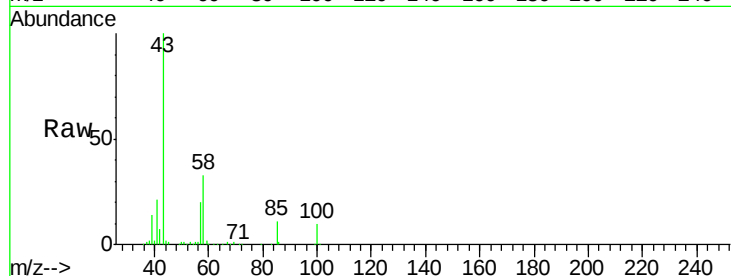
ClientSampleId :

Tot Ion: 43 Resp: 668080

Ion Ratio Lower Upper

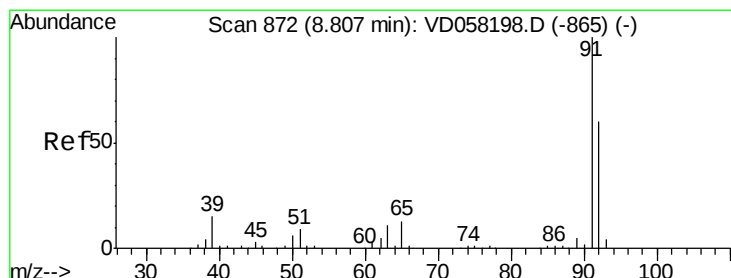
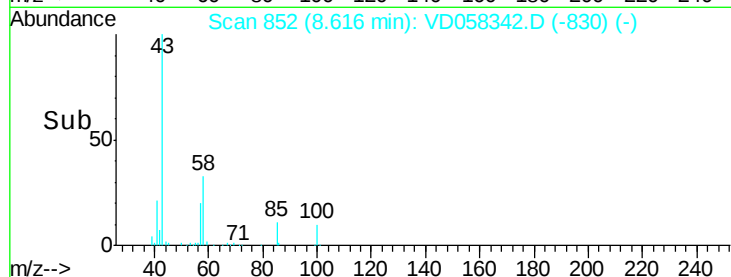
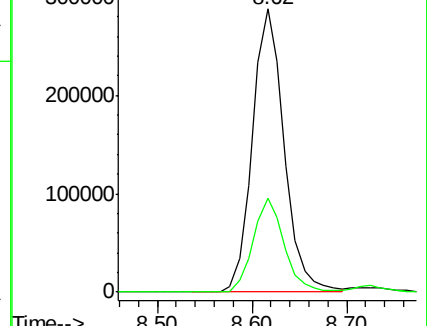
43 100

58 33.3 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.85 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.02 min

Lab File: VD058342.D

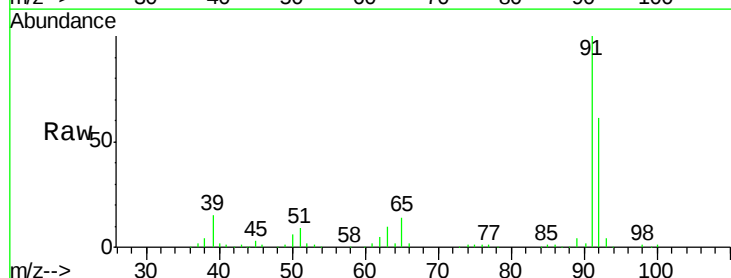
Acq: 23 Jun 2018 15:50

Tgt Ion: 92 Resp: 378122

Ion Ratio Lower Upper

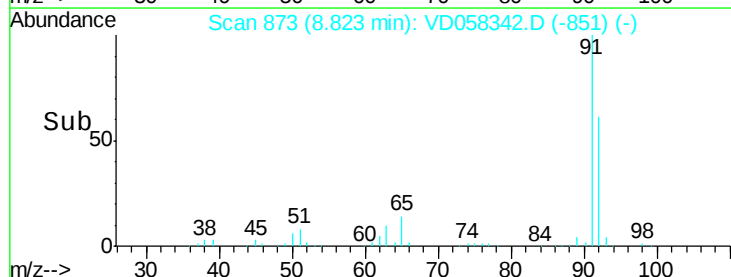
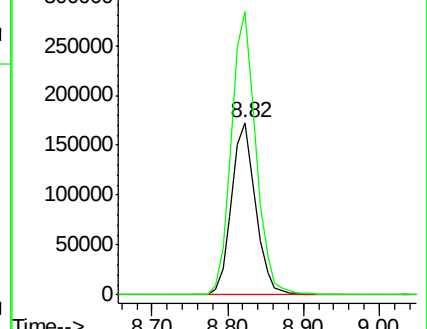
92 100

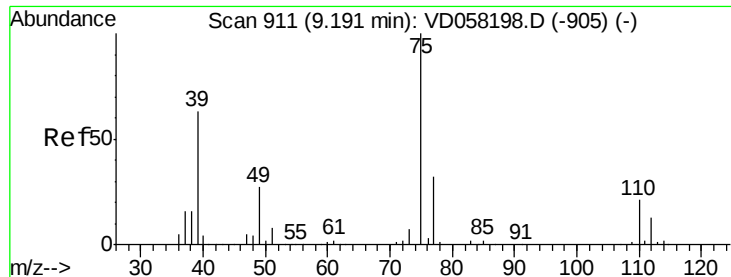
91 164.1 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.70 ug/l

RT: 9.21 min Scan# 912

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

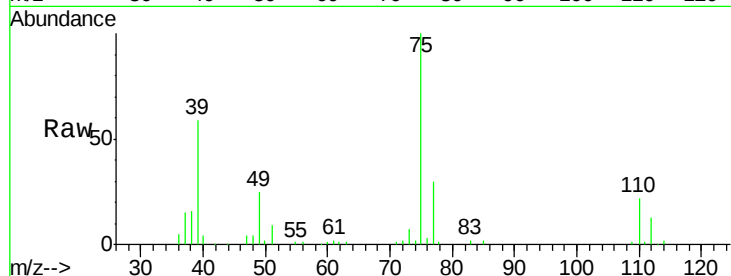
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 240434

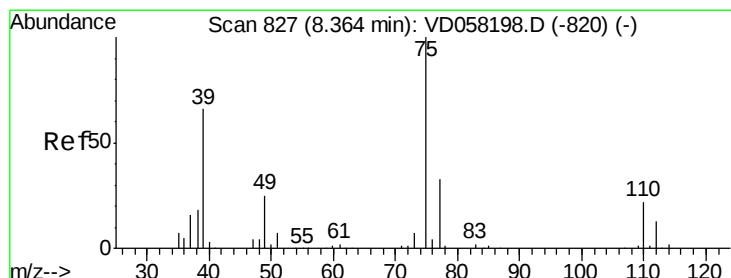
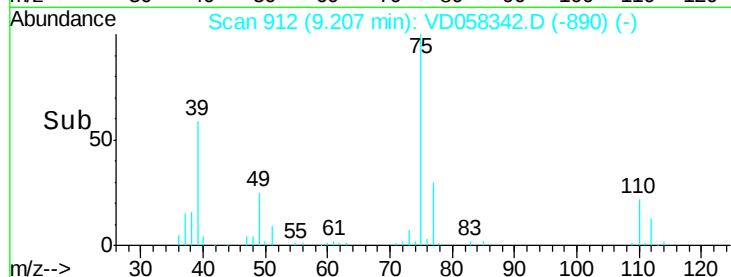
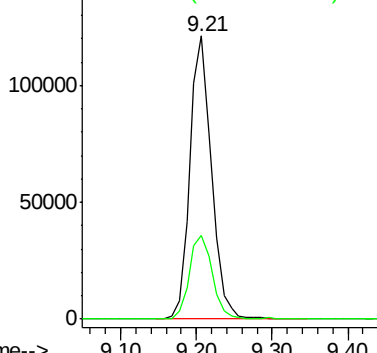
Ion Ratio Lower Upper

75 100

77 29.8 25.8 38.8



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



#54

cis-1,3-Dichloropropene

Concen: 22.01 ug/l

RT: 8.38 min Scan# 828

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

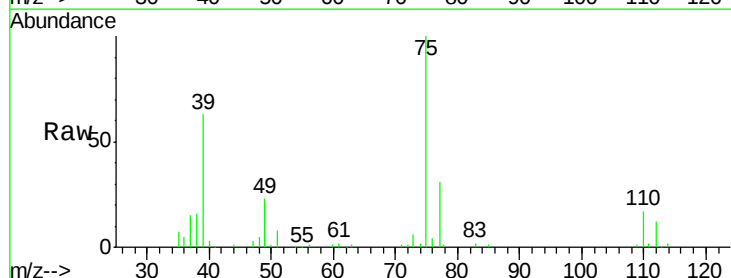
Tgt Ion: 75 Resp: 285917

Ion Ratio Lower Upper

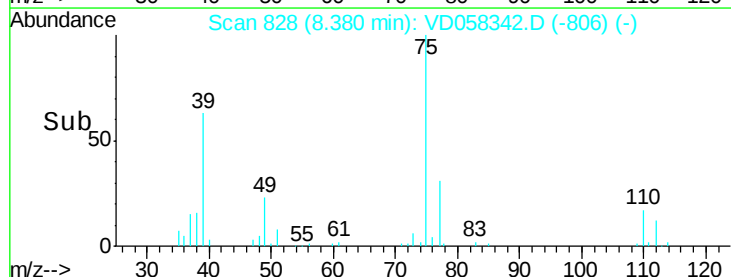
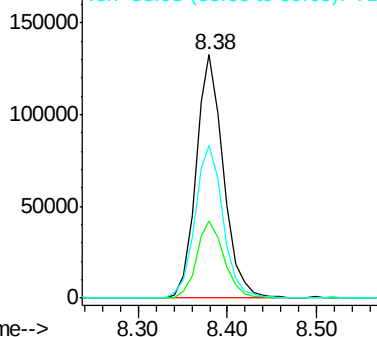
75 100

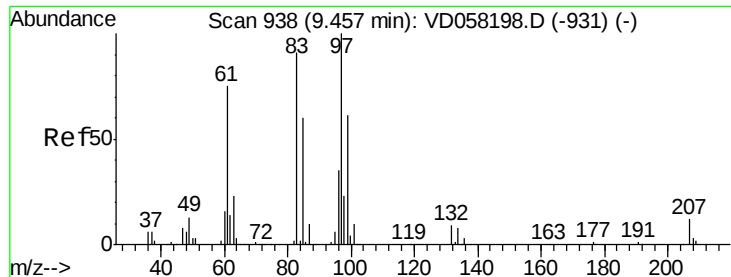
77 31.5 26.5 39.7

39 62.5 52.9 79.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 20.40 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 124893

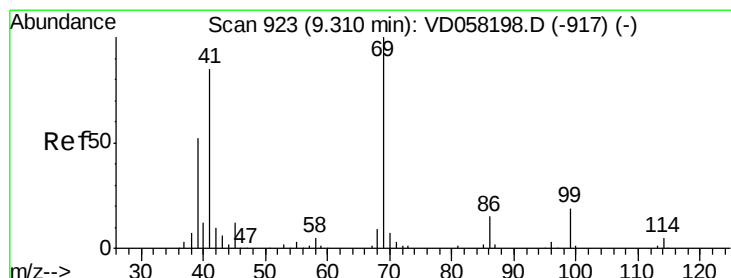
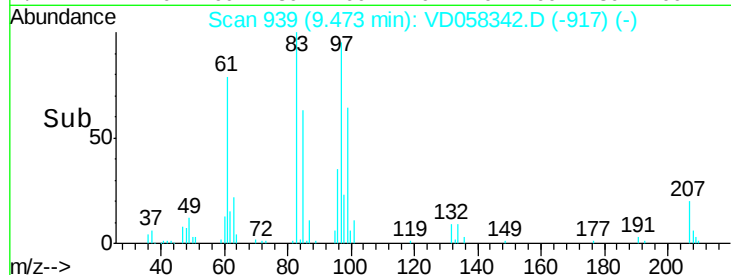
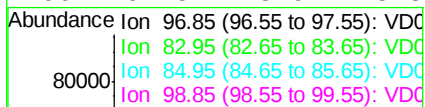
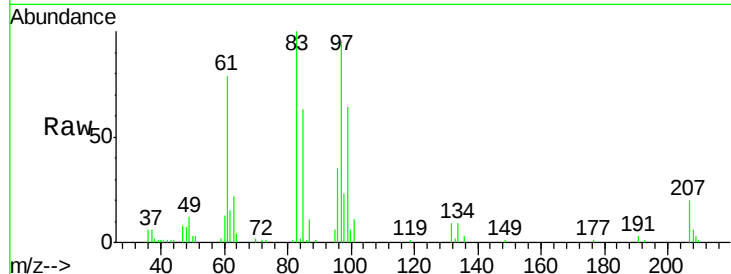
Ion	Ratio	Lower	Upper
97	100		
83	105.7	72.9	109.3
85	66.3	48.2	72.4
99	67.5	48.9	73.3

97 100

83 105.7 72.9 109.3

85 66.3 48.2 72.4

99 67.5 48.9 73.3



#56

Ethyl methacrylate

Concen: 21.71 ug/l

RT: 9.33 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

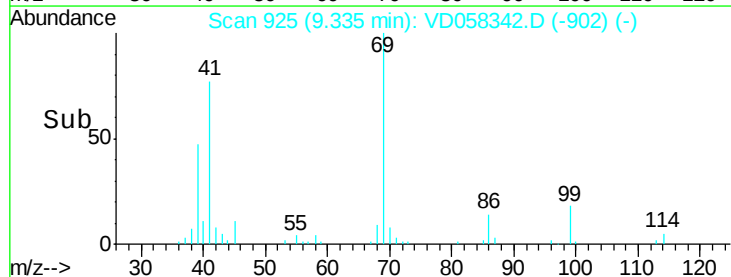
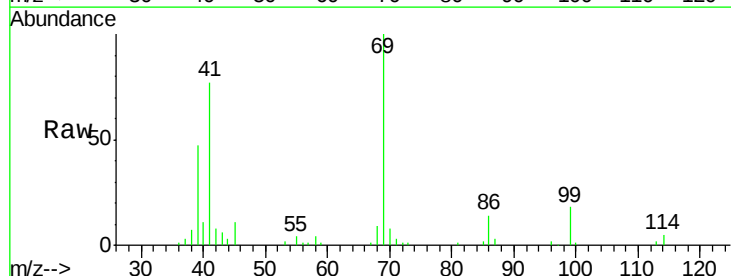
Tgt Ion: 69 Resp: 159003

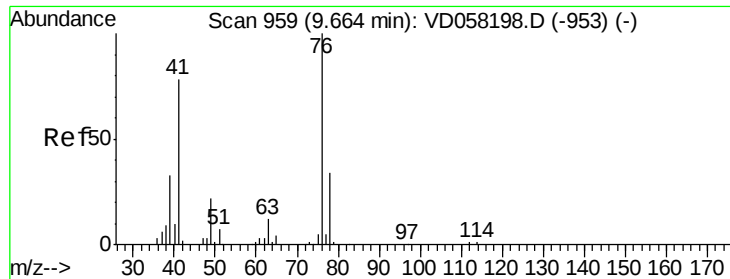
Ion	Ratio	Lower	Upper
69	100		
41	76.8	67.6	101.4
39	47.4	42.2	63.2

69 100

41 76.8 67.6 101.4

39 47.4 42.2 63.2

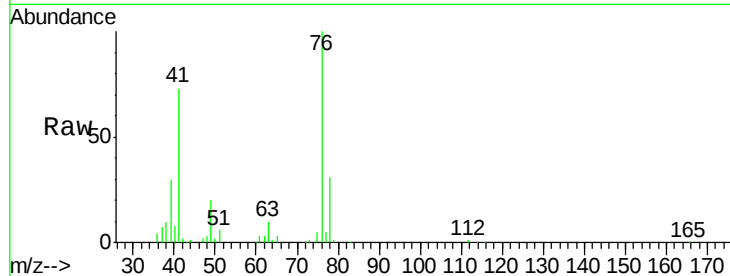




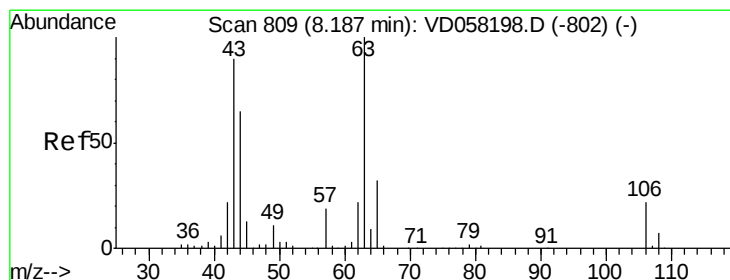
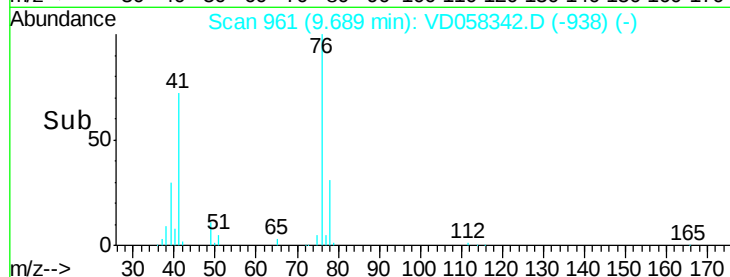
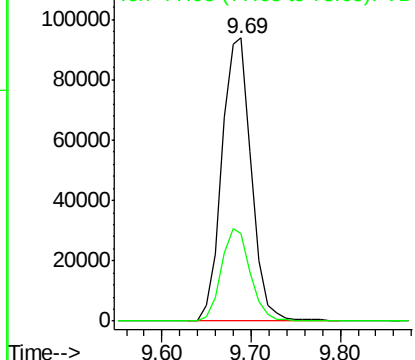
#57
 1,3-Dichloropropane
 Concen: 21.08 ug/l
 RT: 9.69 min Scan# 961
 Delta R.T. 0.03 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 76 Resp: 217414
 Ion Ratio Lower Upper
 76 100
 78 30.8 27.0 40.6

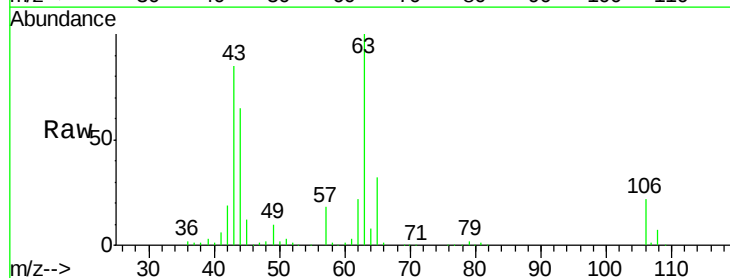


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

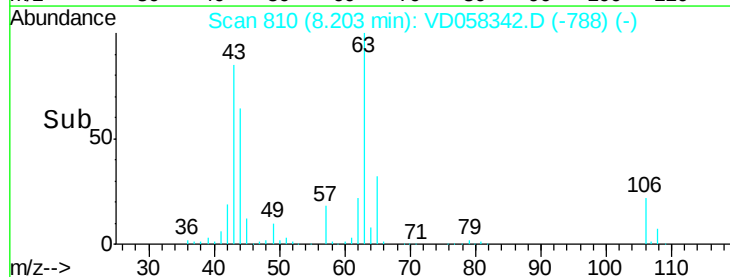
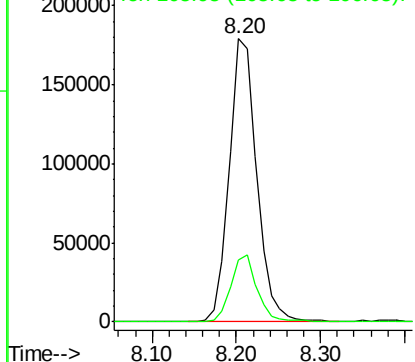


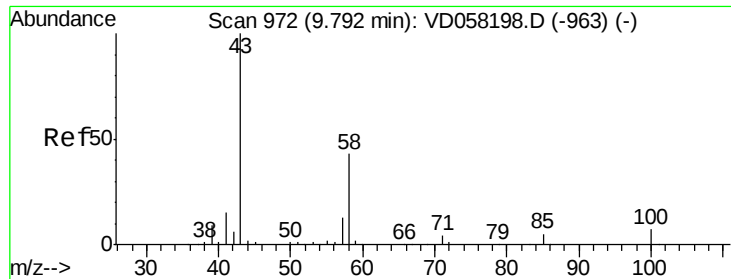
#58
 2-Chloroethyl Vinyl ether
 Concen: 112.73 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. 0.02 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Tgt Ion: 63 Resp: 408677
 Ion Ratio Lower Upper
 63 100
 106 22.1 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

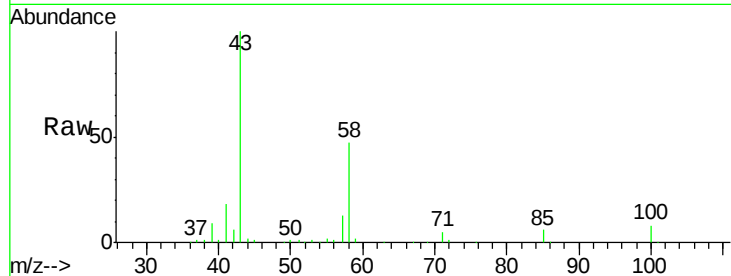




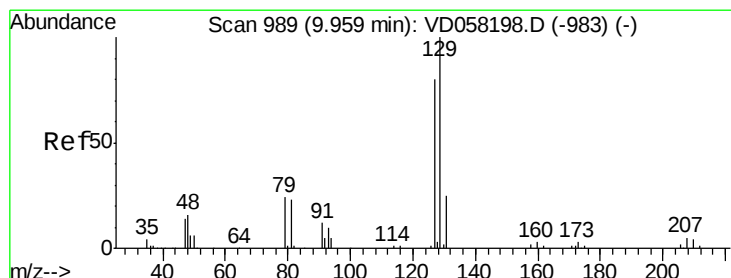
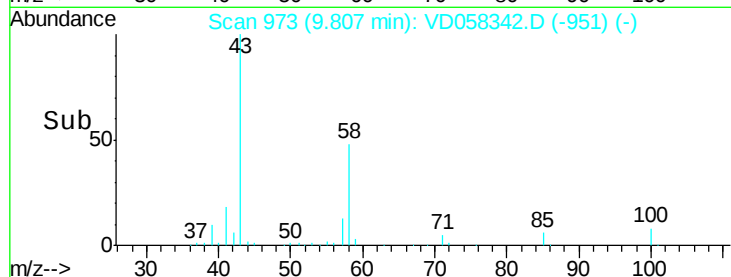
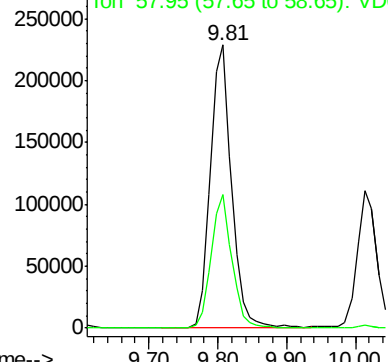
#59
2-Hexanone
Concen: 107.22 ug/l
RT: 9.81 min Scan# 973
Delta R.T. 0.02 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 489823
Ion Ratio Lower Upper
43 100
58 47.2 21.7 65.1

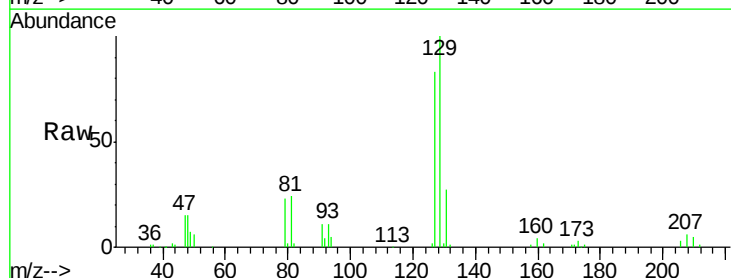


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

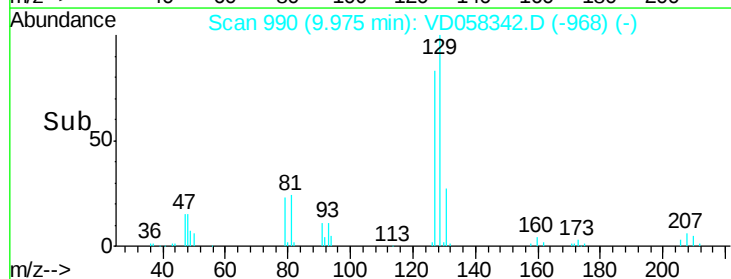
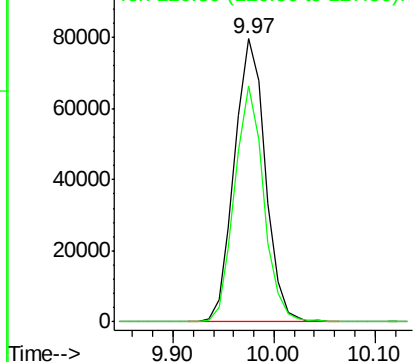


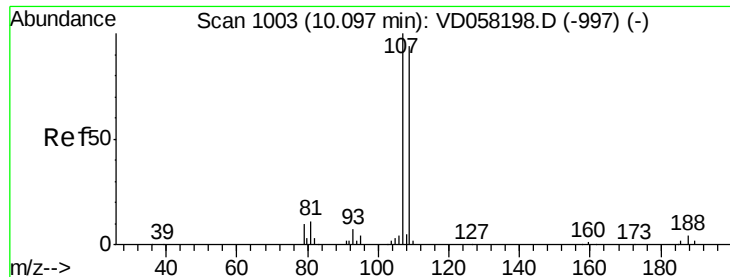
#60
Dibromochloromethane
Concen: 20.51 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.02 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Tgt Ion: 129 Resp: 170401
Ion Ratio Lower Upper
129 100
127 83.3 39.8 119.4



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





#61

1,2-Dibromoethane

Concen: 20.86 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

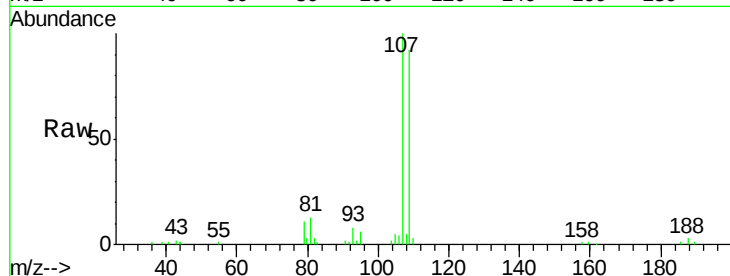
ClientSampleId :

Tot Ion:107 Resp: 139834

Ion Ratio Lower Upper

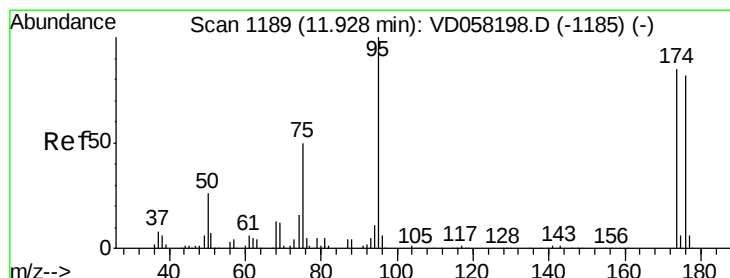
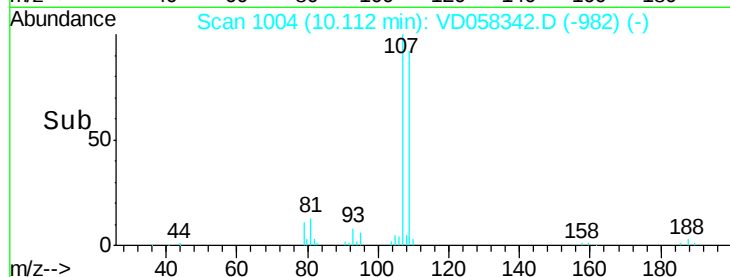
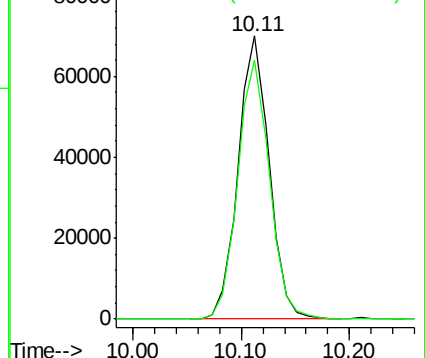
107 100

109 91.7 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.86 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

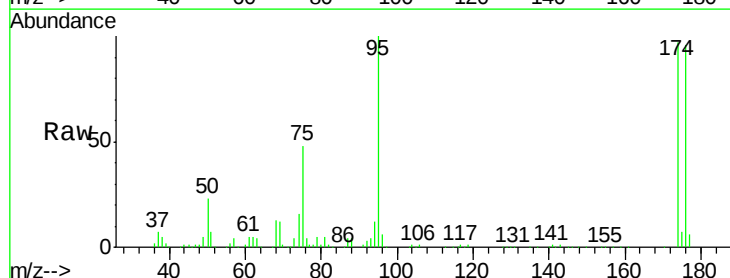
Tgt Ion: 95 Resp: 536950

Ion Ratio Lower Upper

95 100

174 97.0 0.0 170.2

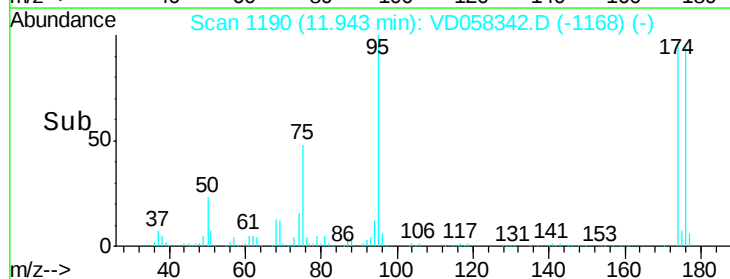
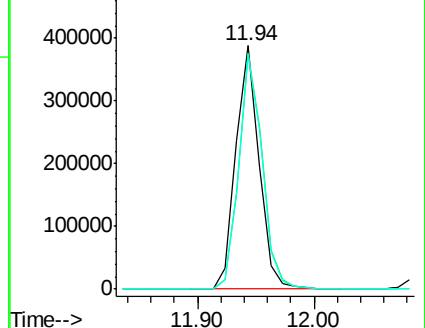
176 96.2 0.0 164.6

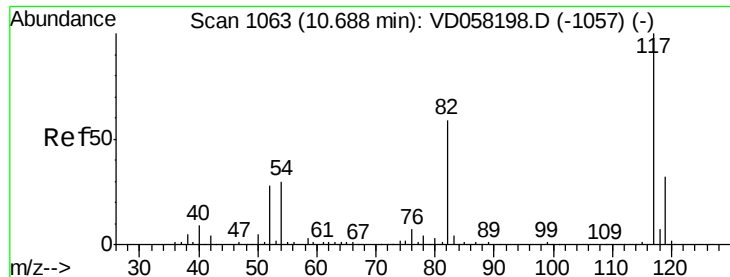


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

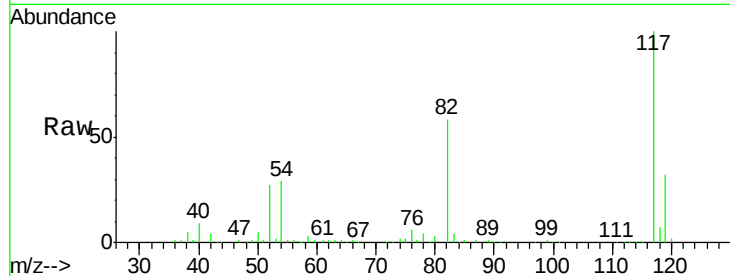




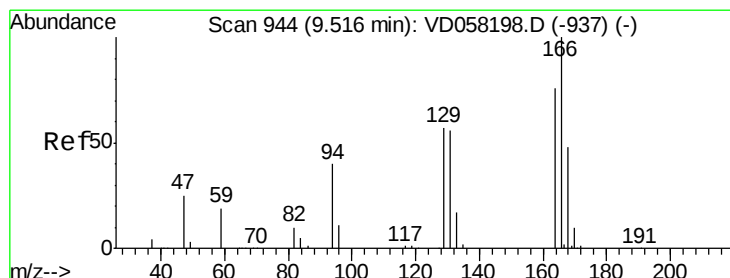
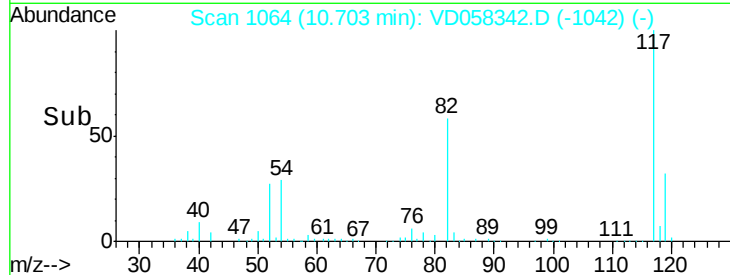
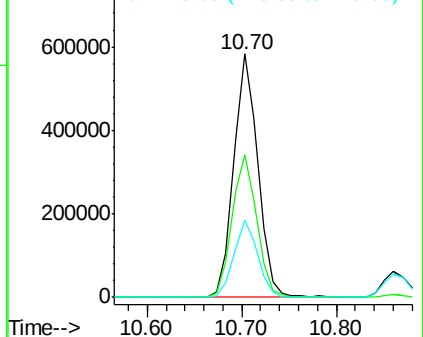
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.02 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1025751
Ion Ratio Lower Upper
117 100
82 58.5 47.0 70.6
119 31.9 25.3 37.9

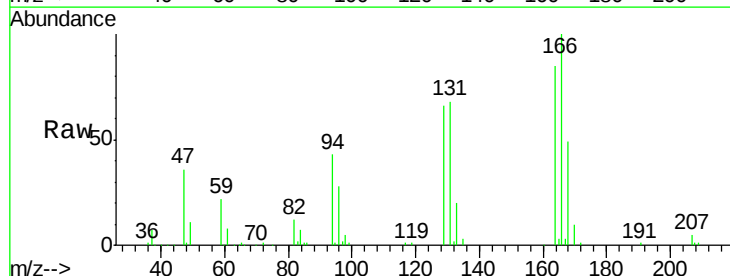


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

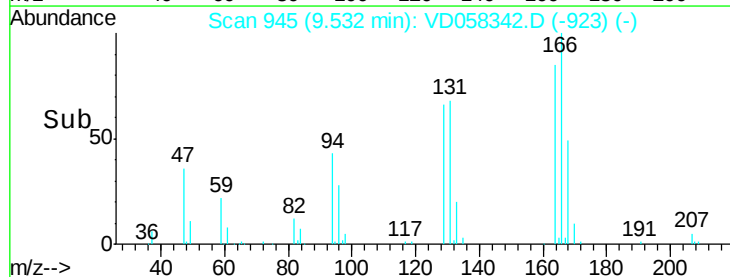
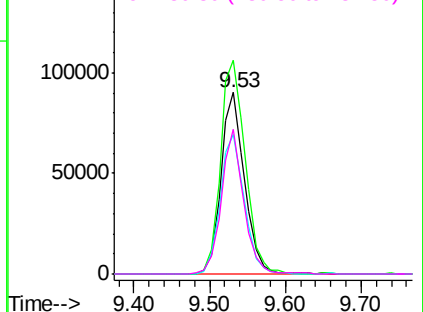


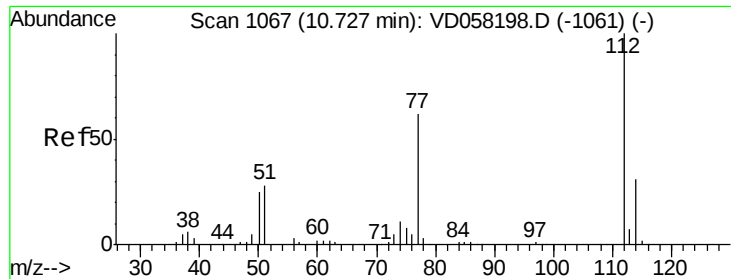
#64
Tetrachloroethene
Concen: 22.33 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.02 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Tgt Ion:164 Resp: 192718
Ion Ratio Lower Upper
164 100
166 117.9 105.4 158.0
129 77.3 59.6 89.4
131 79.6 59.4 89.2



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

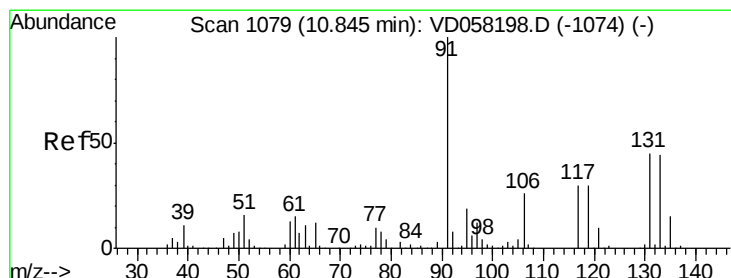
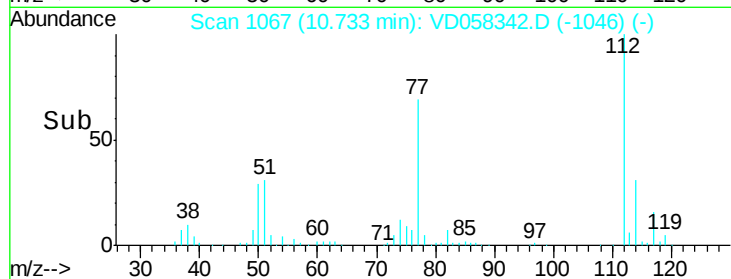
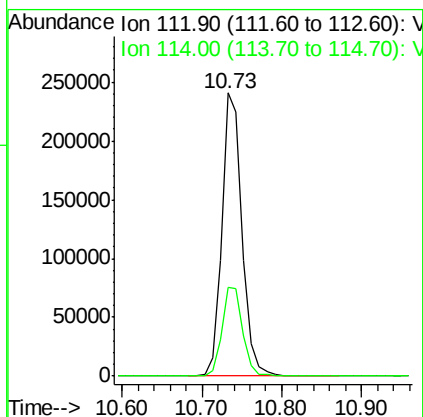
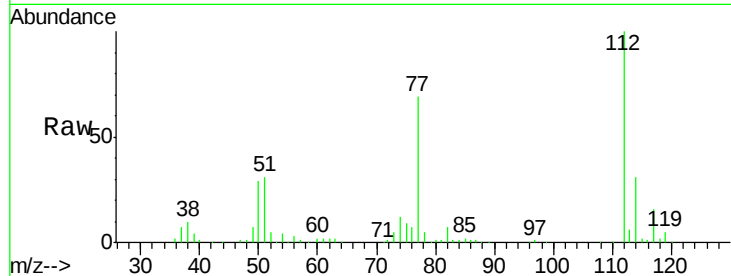




#65
Chlorobenzene
Concen: 22.29 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

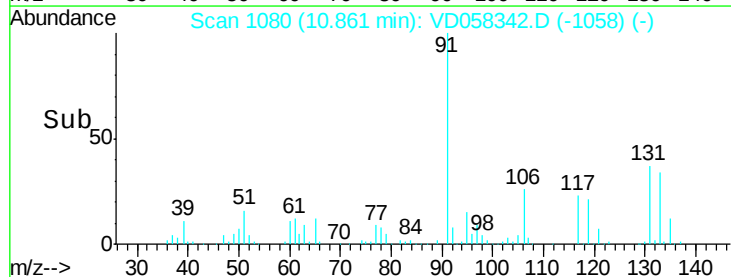
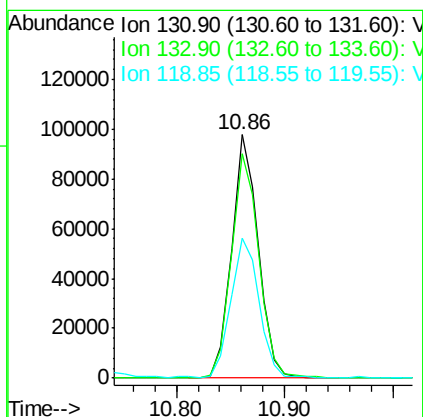
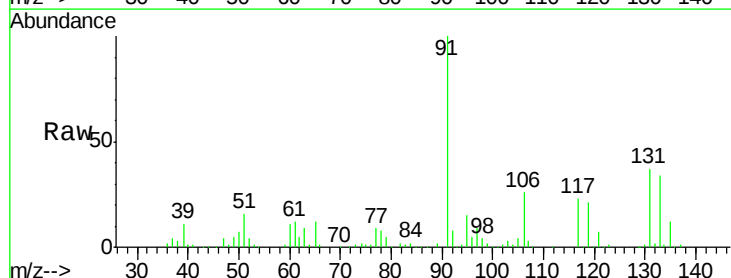
Instrument :
MSVOA_D
ClientSampleId :

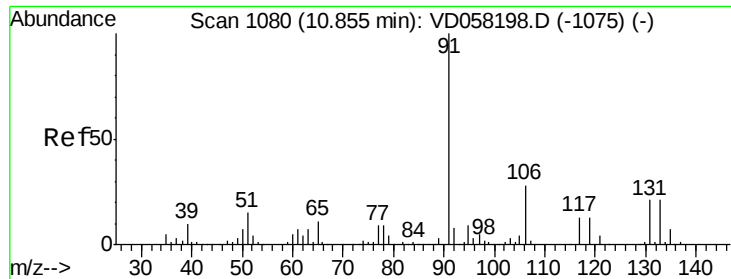
Tot Ion:112 Resp: 427699
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.40 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.02 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Tgt Ion:131 Resp: 165898
Ion Ratio Lower Upper
131 100
133 92.3 48.6 145.9
119 57.4 33.0 99.0

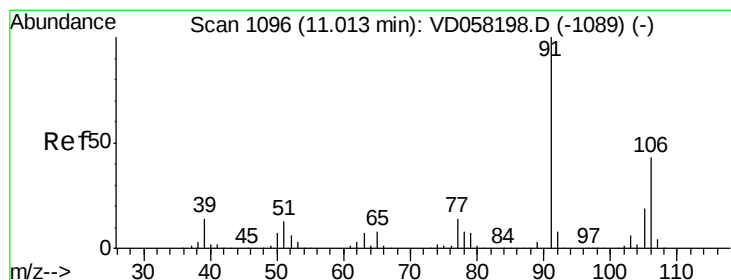
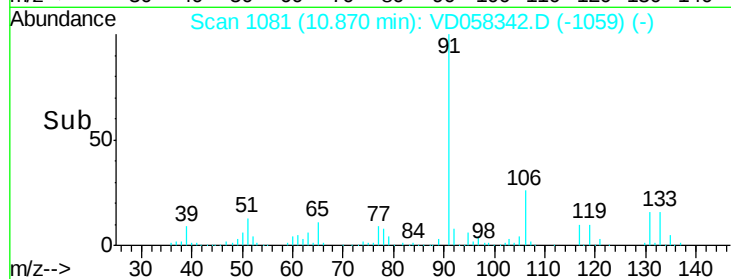
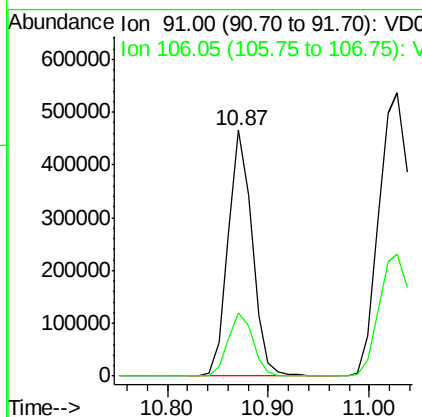
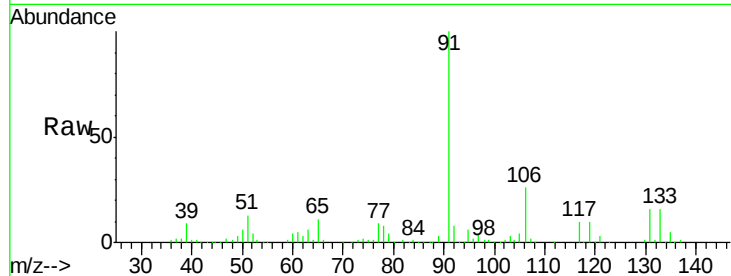




#67
Ethyl Benzene
Concen: 22.75 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.02 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

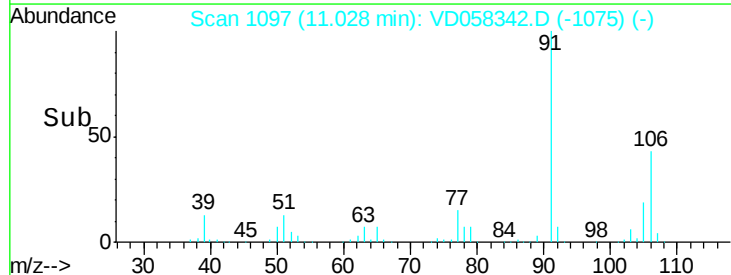
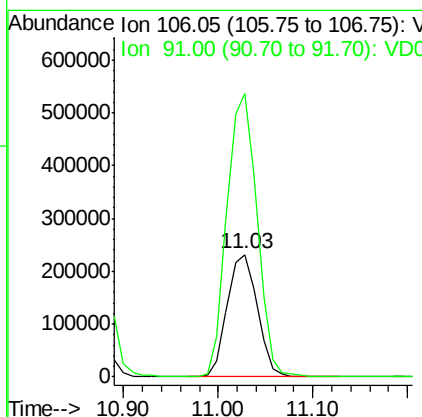
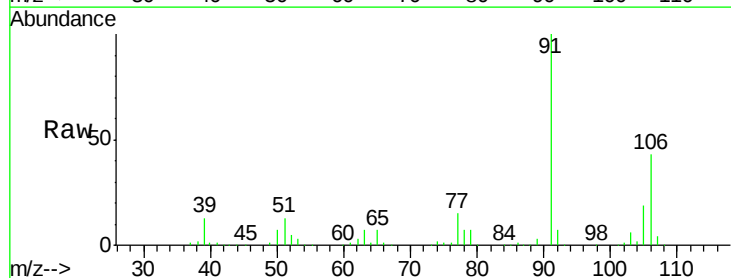
Instrument :
MSVOA_D
ClientSampled :

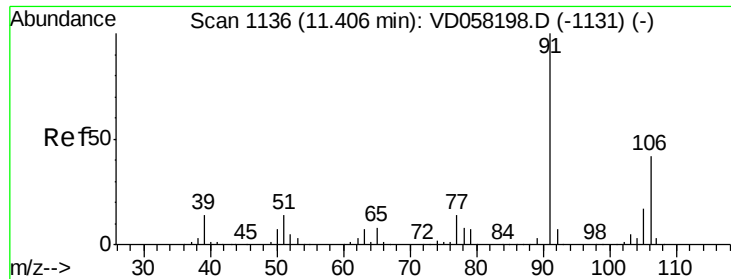
Tot Ion: 91 Resp: 770514
Ion Ratio Lower Upper
91 100
106 25.8 22.0 33.0



#68
m/p-Xylenes
Concen: 45.39 ug/l
RT: 11.03 min Scan# 1097
Delta R.T. 0.02 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Tgt Ion: 106 Resp: 512700
Ion Ratio Lower Upper
106 100
91 230.9 185.0 277.6

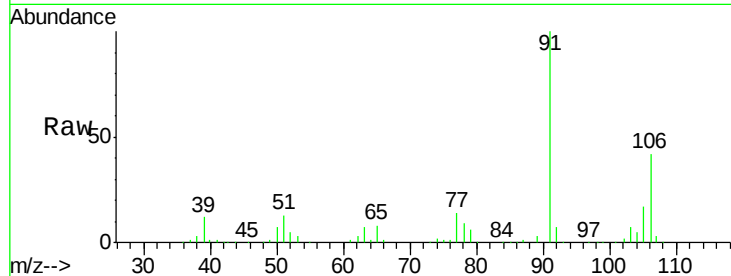




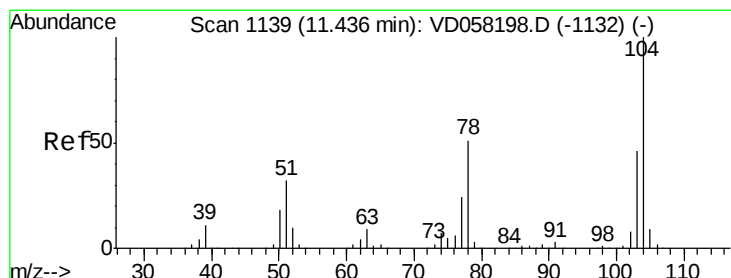
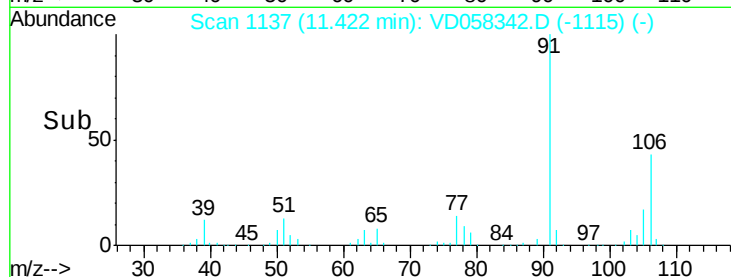
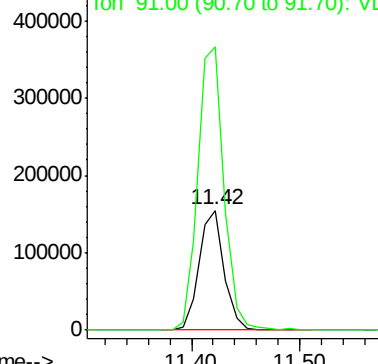
#69
o-Xylene
Concen: 23.11 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.02 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 249284
Ion Ratio Lower Upper
106 100
91 235.5 120.2 360.6

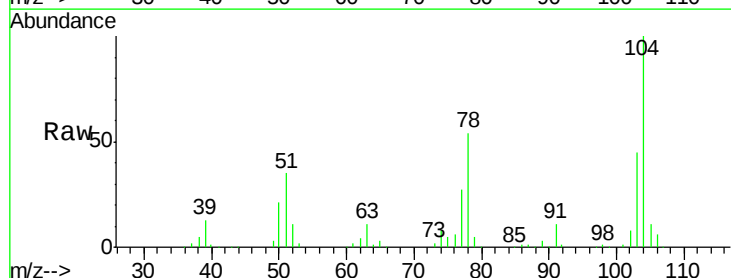


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

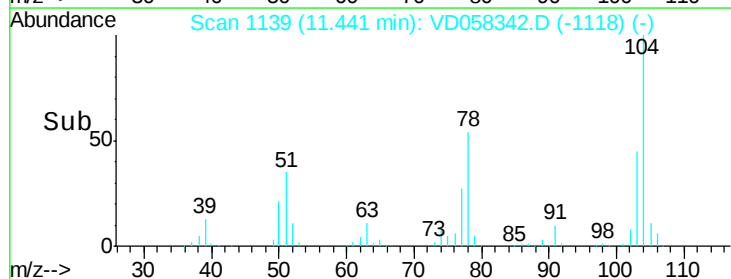
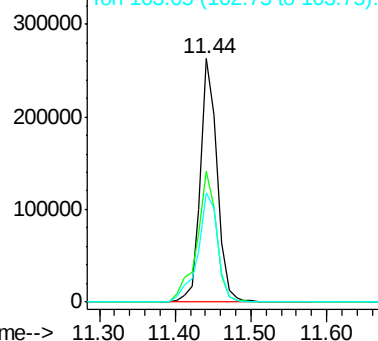


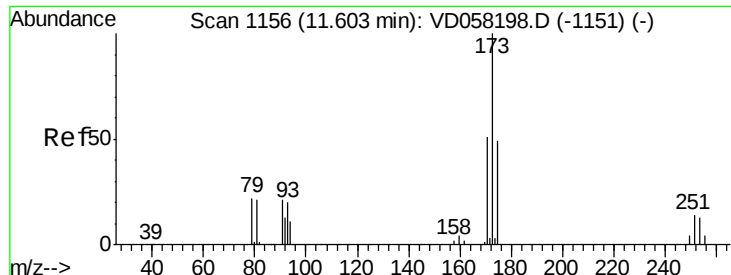
#70
Styrene
Concen: 21.81 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Tgt Ion:104 Resp: 401554
Ion Ratio Lower Upper
104 100
78 53.6 40.8 61.2
103 44.7 37.0 55.6



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

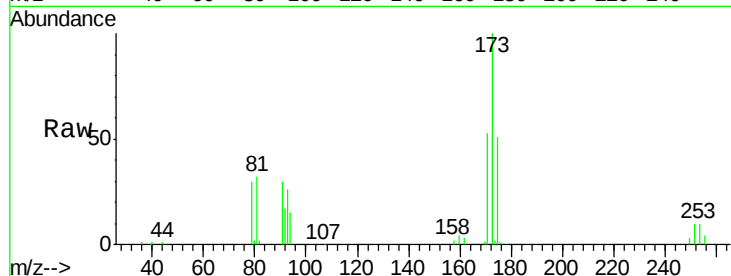




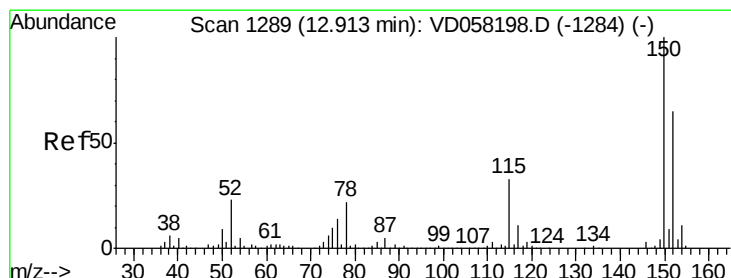
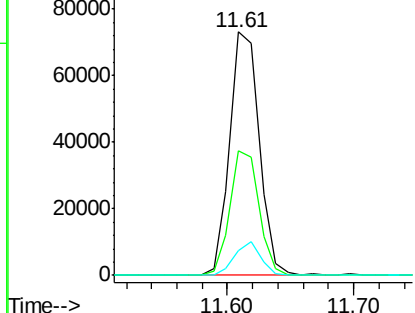
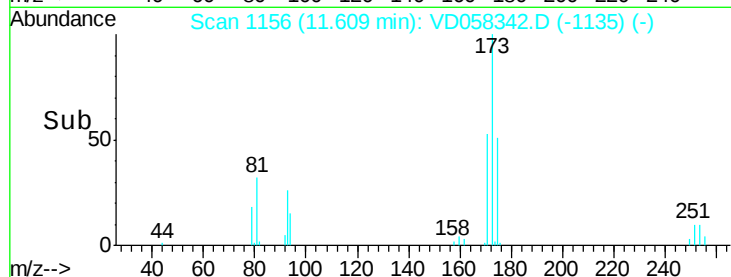
#71
Bromoform
Concen: 19.95 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. 0.01 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 117811
Ion Ratio Lower Upper
173 100
175 51.1 24.6 74.0
254 9.9 10.3 15.5#

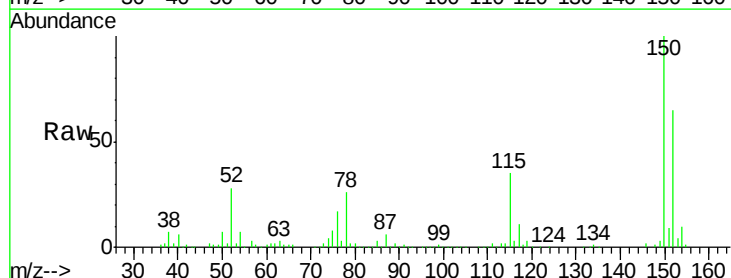


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

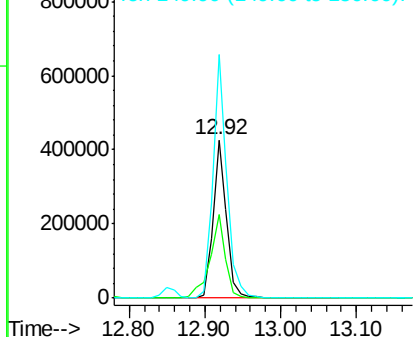
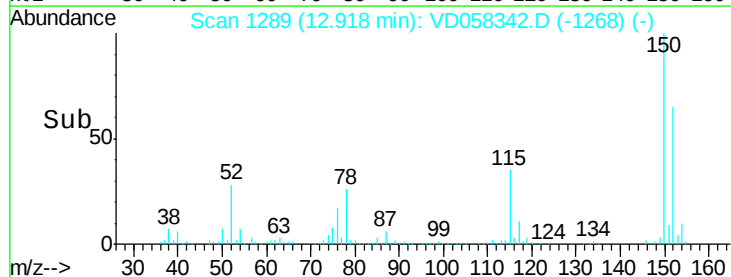


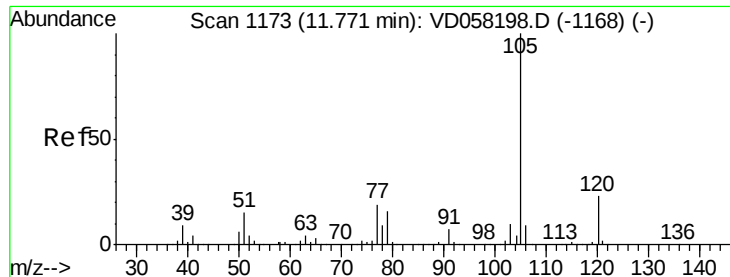
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.92 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Tgt Ion:152 Resp: 532875
Ion Ratio Lower Upper
152 100
115 53.2 25.1 75.3
150 154.0 0.0 308.8



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





#73

Isopropylbenzene

Concen: 21.60 ug/l

RT: 11.79 min Scan# 1174

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

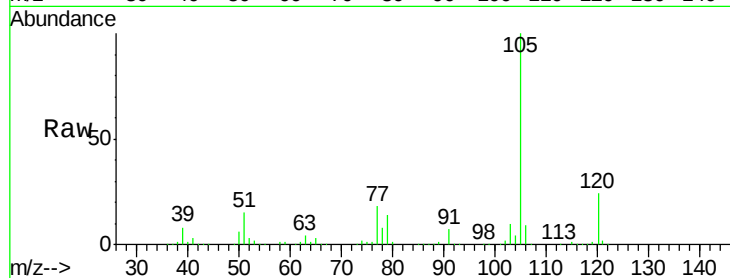
ClientSampleId :

Tot Ion:105 Resp: 688368

Ion Ratio Lower Upper

105 100

120 24.3 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.79

500000

400000

300000

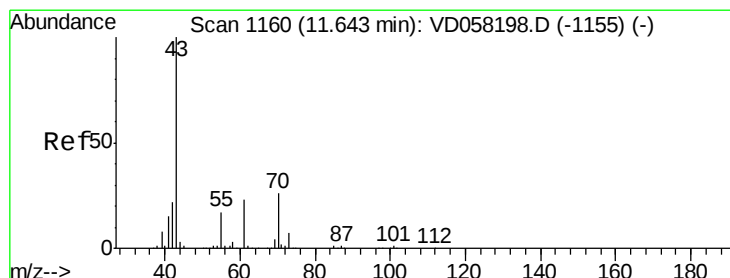
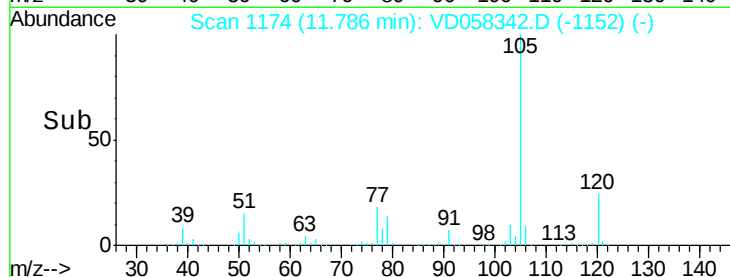
200000

100000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 20.33 ug/l

RT: 11.66 min Scan# 1161

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Tgt Ion: 43 Resp: 250538

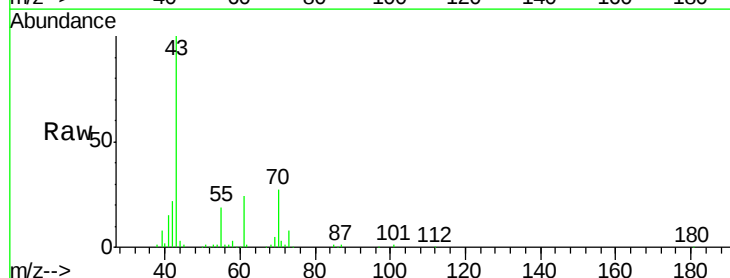
Ion Ratio Lower Upper

43 100

70 26.8 20.9 31.3

55 19.1 13.5 20.3

61 23.8 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

300000

250000

200000

150000

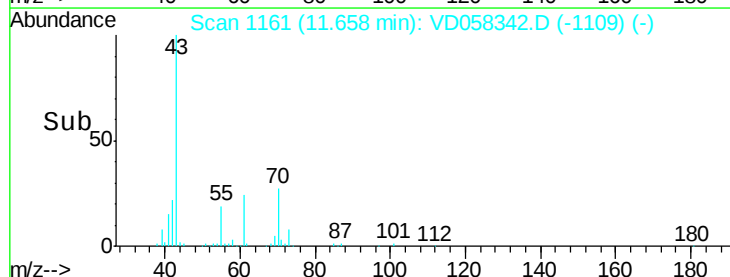
100000

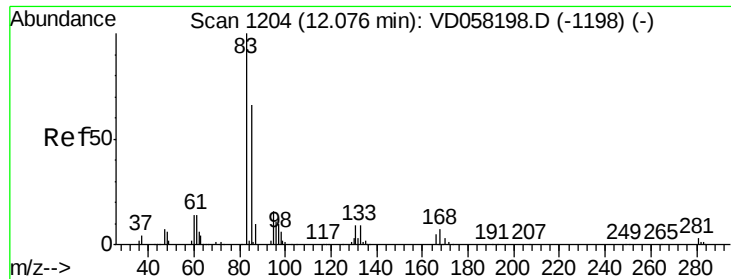
50000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 21.25 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

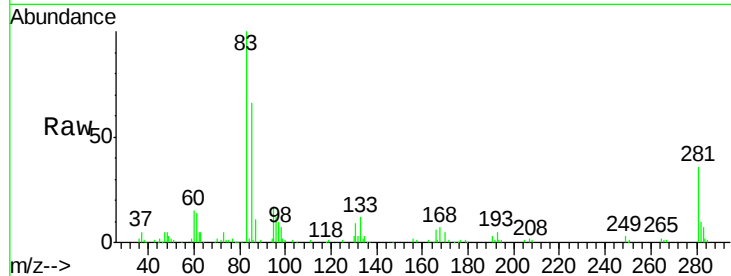
Tot Ion: 83 Resp: 157625

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	66.1	33.1	99.5

83 100

131 9.4 4.8 14.3

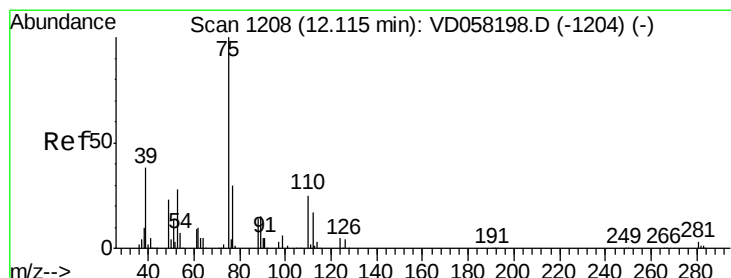
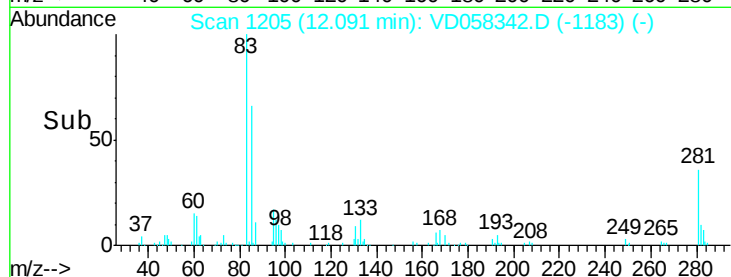
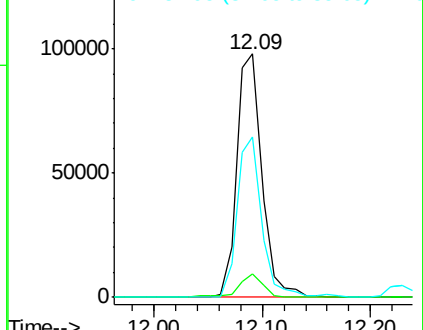
85 66.1 33.1 99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.77 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.01 min

Lab File: VD058342.D

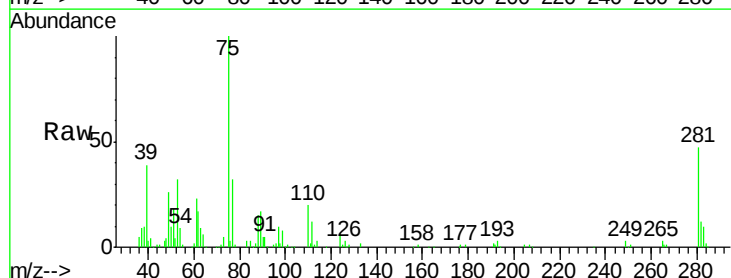
Acq: 23 Jun 2018 15:50

Tgt Ion: 75 Resp: 169335

Ion	Ratio	Lower	Upper
75	100		
77	31.7	16.0	47.9

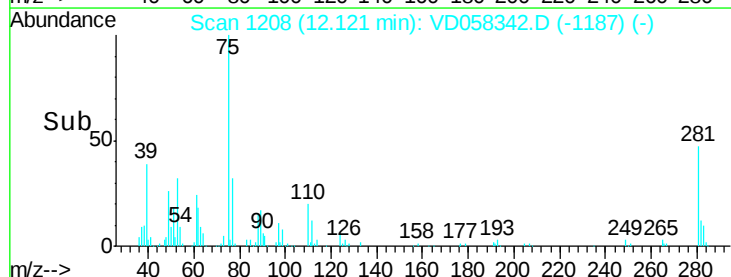
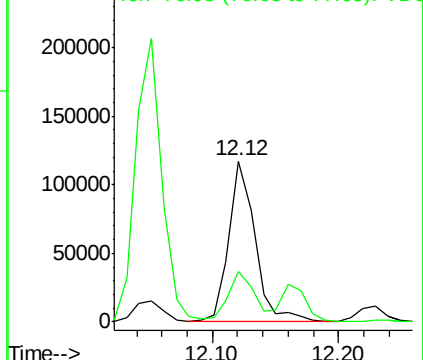
75 100

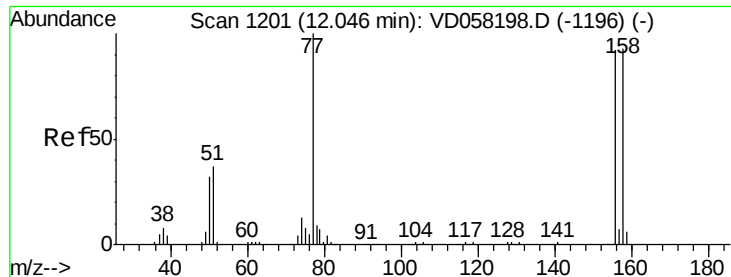
77 31.7 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.36 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

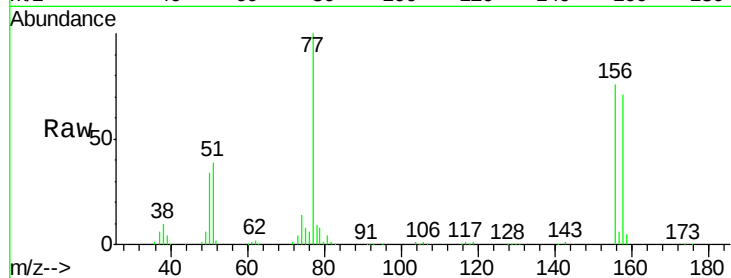
Tot Ion:156 Resp: 213440

Ion Ratio Lower Upper

156 100

77 132.2 54.5 163.6

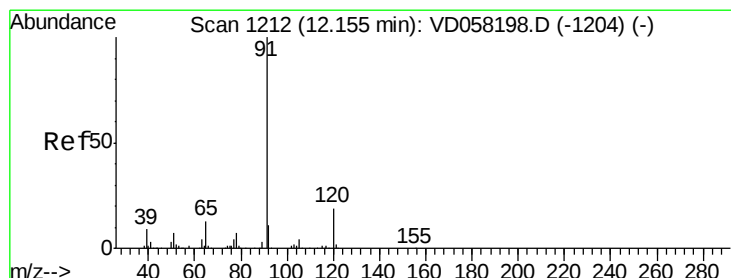
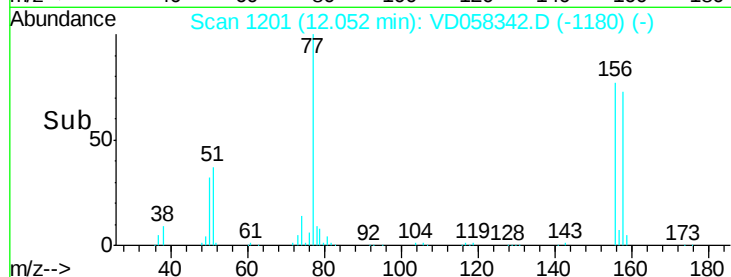
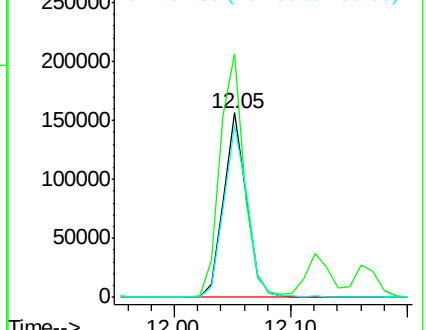
158 93.7 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.07 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD058342.D

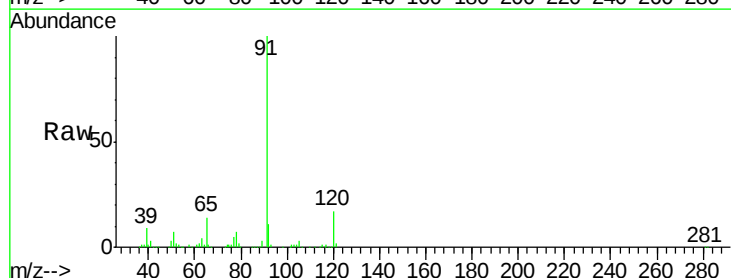
Acq: 23 Jun 2018 15:50

Tgt Ion: 91 Resp: 908434

Ion Ratio Lower Upper

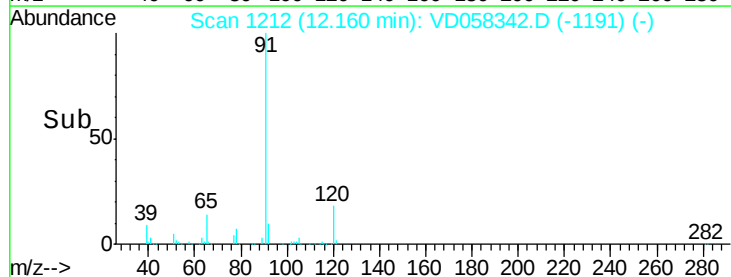
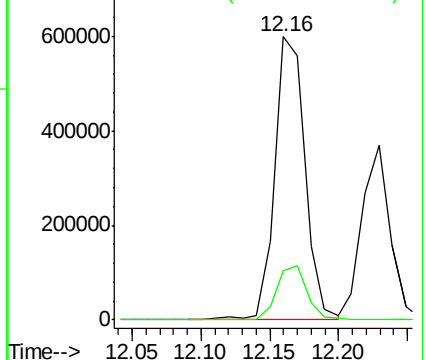
91 100

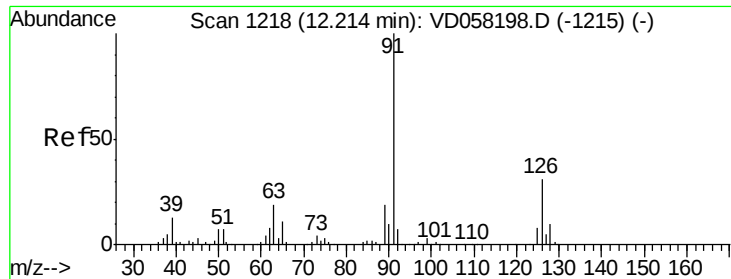
120 17.5 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.09 ug/l

RT: 12.23 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

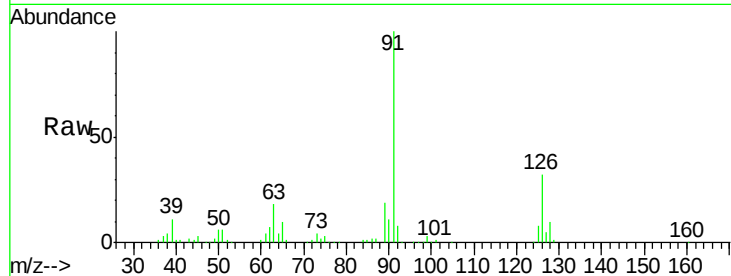
ClientSampleId :

Tot Ion: 91 Resp: 520394

Ion Ratio Lower Upper

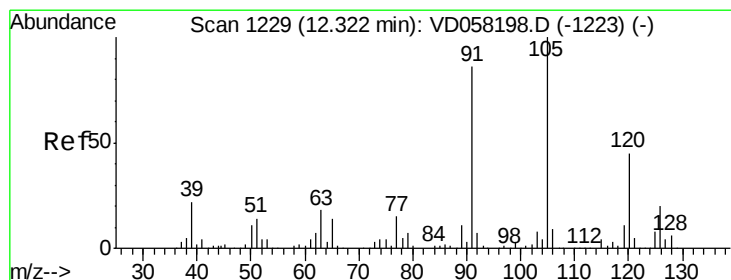
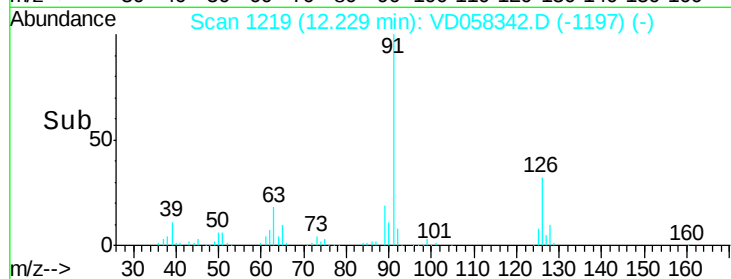
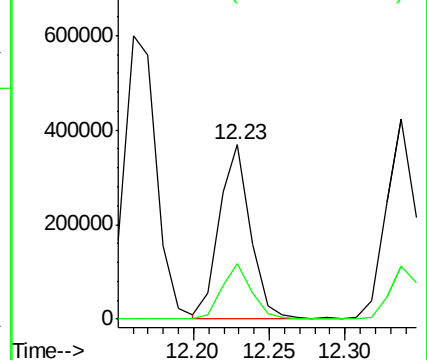
91 100

126 31.8 14.9 44.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.07 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VD058342.D

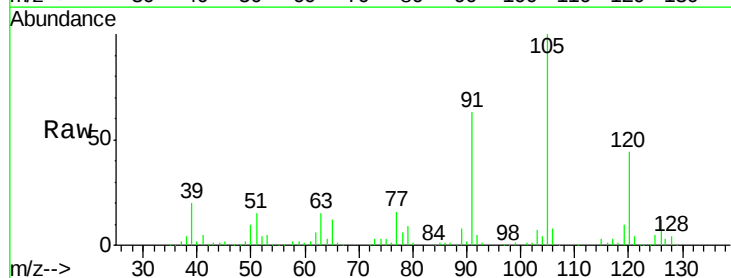
Acq: 23 Jun 2018 15:50

Tgt Ion: 105 Resp: 548716

Ion Ratio Lower Upper

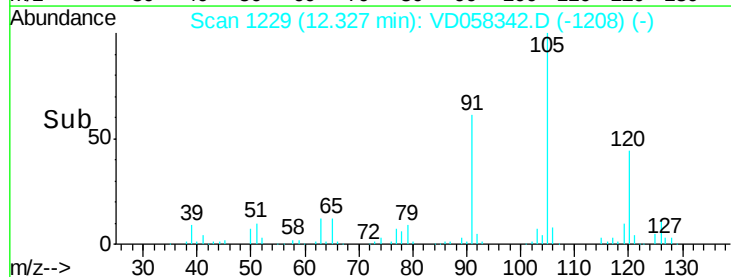
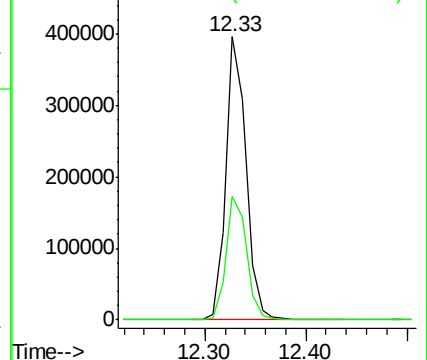
105 100

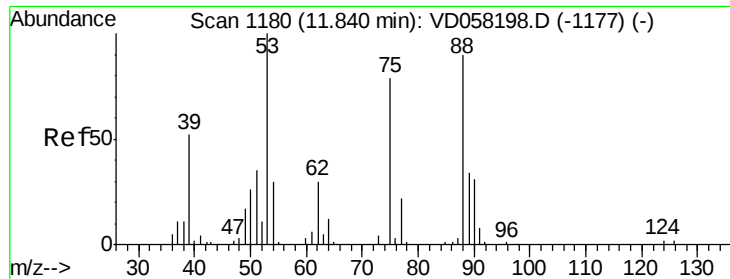
120 43.7 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.88 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.02 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

ClientSampled :

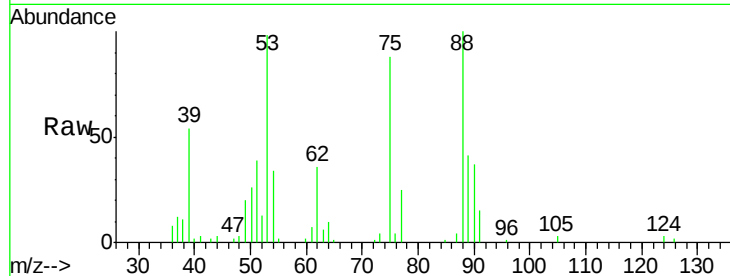
Tot Ion: 75 Resp: 35817

Ion Ratio Lower Upper

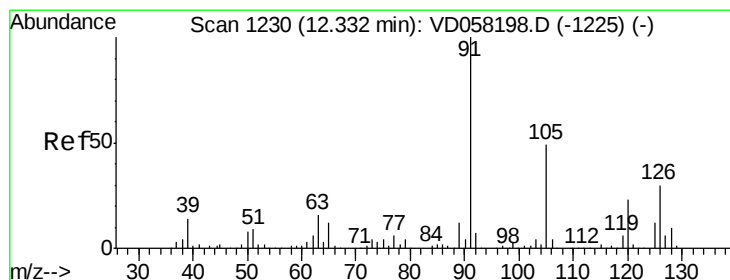
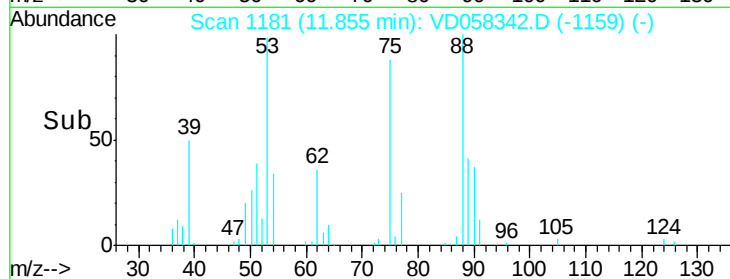
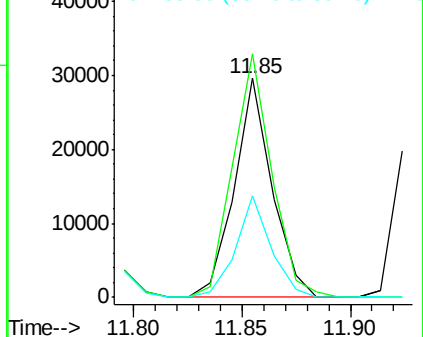
75 100

53 111.1 100.8 151.2

89 46.1 34.6 52.0



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



#82

4-Chlorotoluene

Concen: 22.35 ug/l

RT: 12.34 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD058342.D

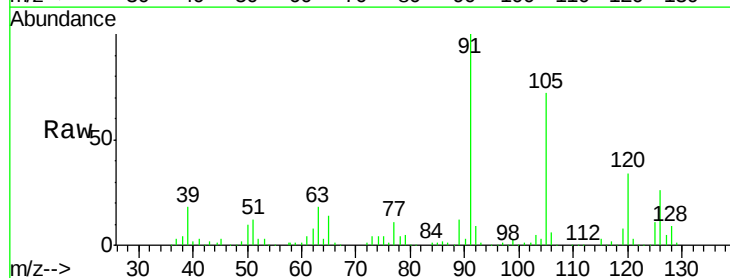
Acq: 23 Jun 2018 15:50

Tgt Ion: 91 Resp: 582071

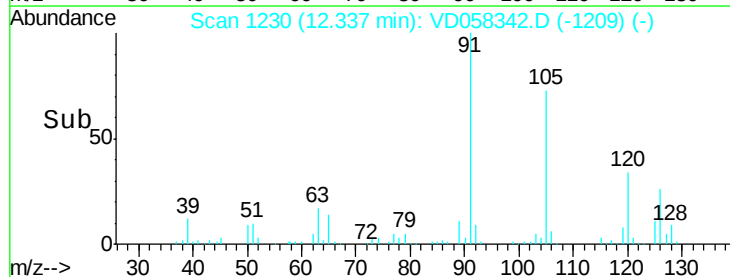
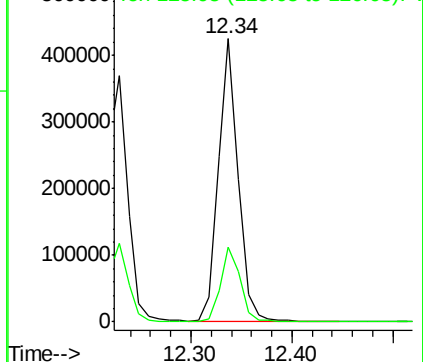
Ion Ratio Lower Upper

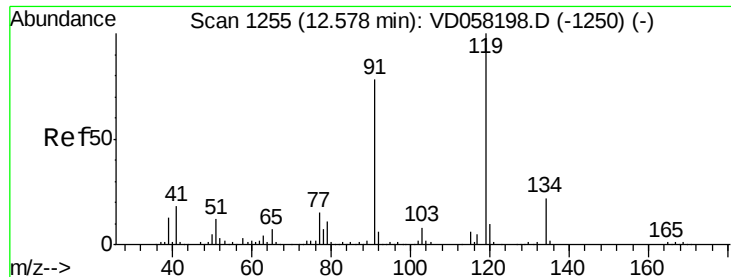
91 100

126 26.4 14.9 44.9



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

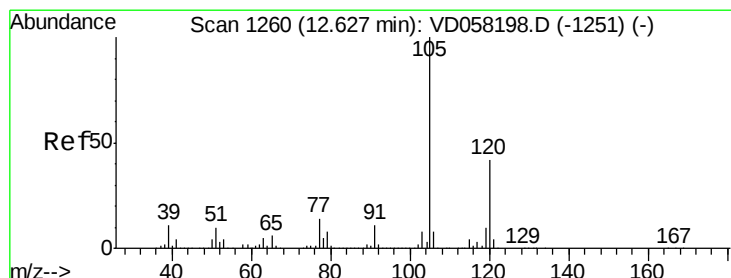
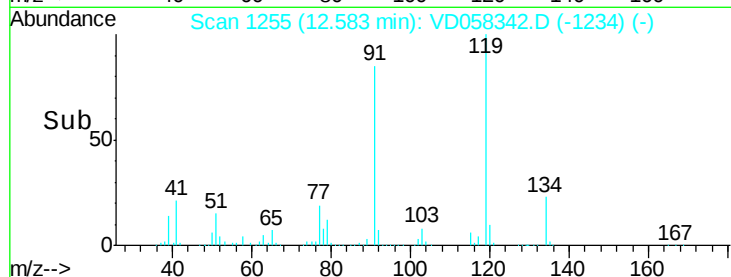
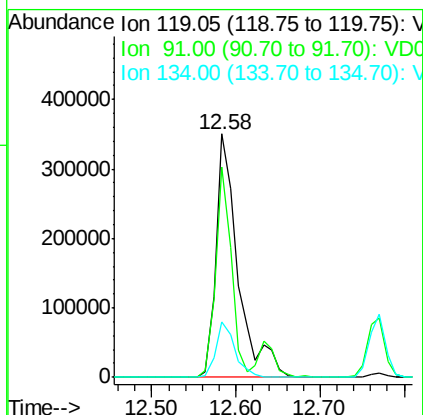
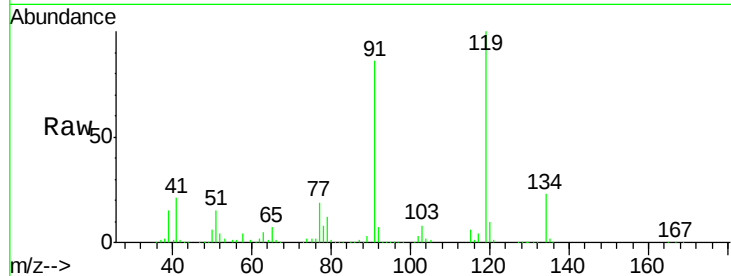




#83
 tert-Butylbenzene
 Concen: 22.35 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

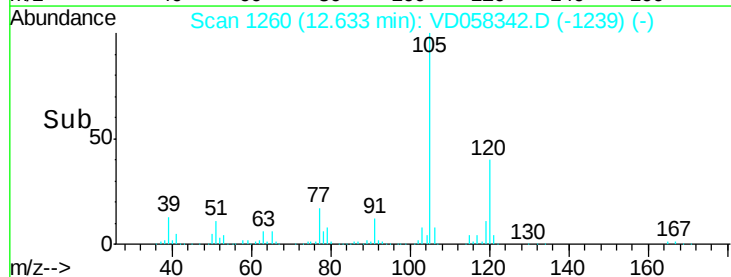
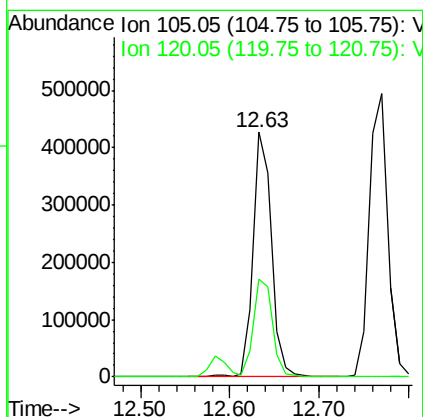
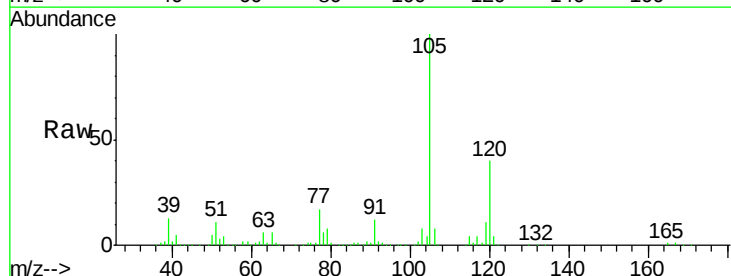
Instrument :
 MSVOA_D
 ClientSampleId :

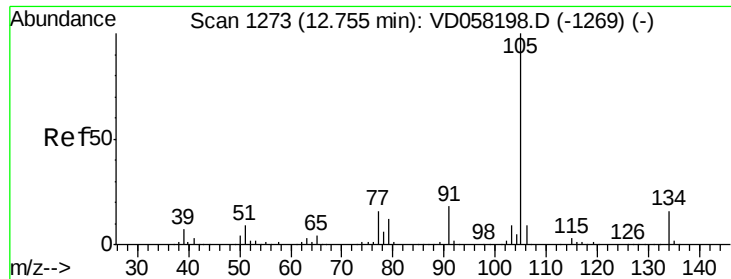
Tot Ion:119 Resp: 638866
 Ion Ratio Lower Upper
 119 100
 91 86.4 38.9 116.6
 134 22.9 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.26 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Tgt Ion:105 Resp: 601528
 Ion Ratio Lower Upper
 105 100
 120 39.8 20.8 62.4

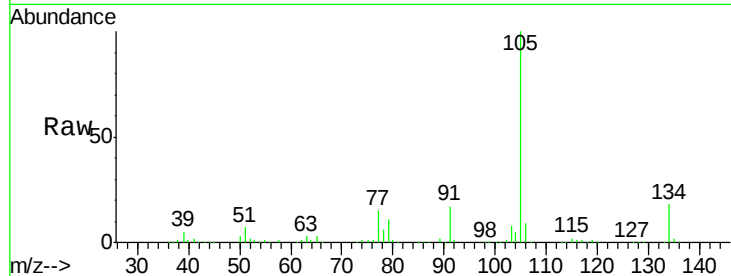




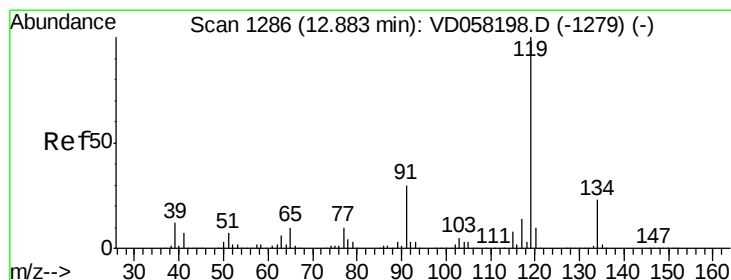
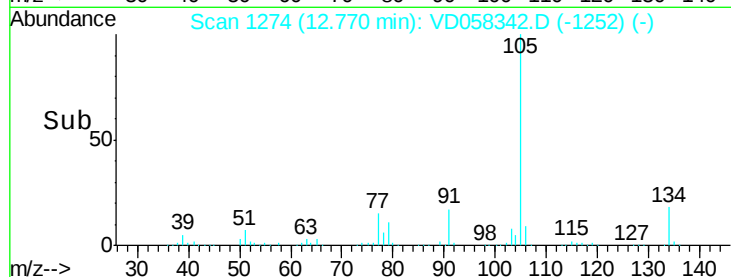
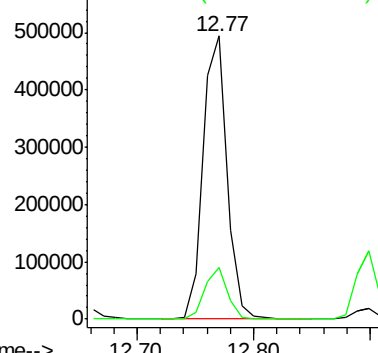
#85
 sec-Butylbenzene
 Concen: 21.06 ug/l
 RT: 12.77 min Scan# 1274
 Delta R.T. 0.02 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:105 Resp: 705667
 Ion Ratio Lower Upper
 105 100
 134 18.5 8.1 24.3

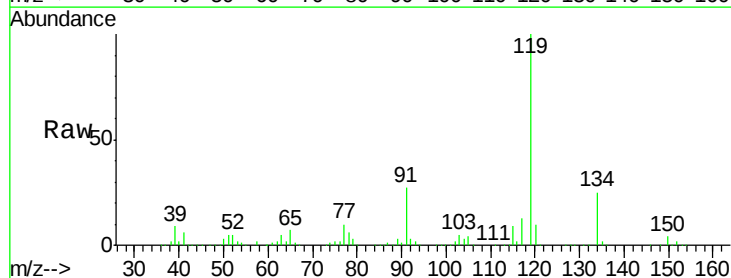


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

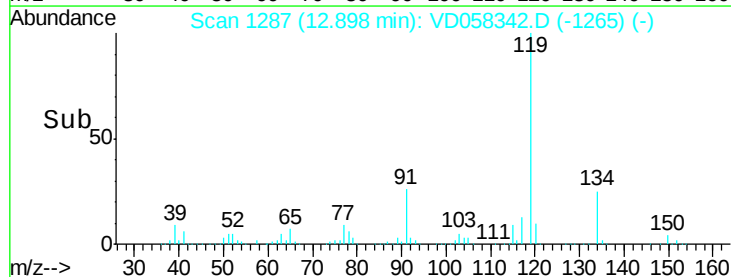
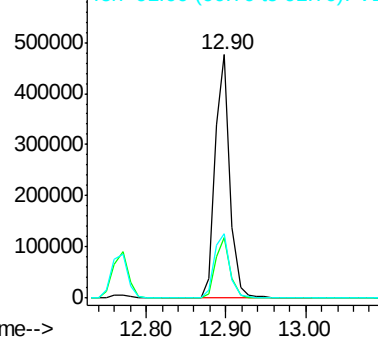


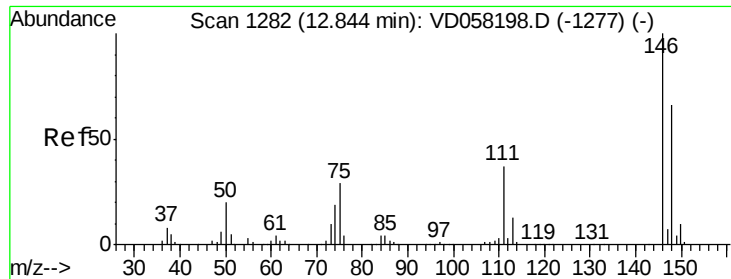
#86
 p-Isopropyltoluene
 Concen: 22.47 ug/l
 RT: 12.90 min Scan# 1287
 Delta R.T. 0.02 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Tgt Ion:119 Resp: 610141
 Ion Ratio Lower Upper
 119 100
 134 24.8 11.6 34.8
 91 26.5 15.0 45.1



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

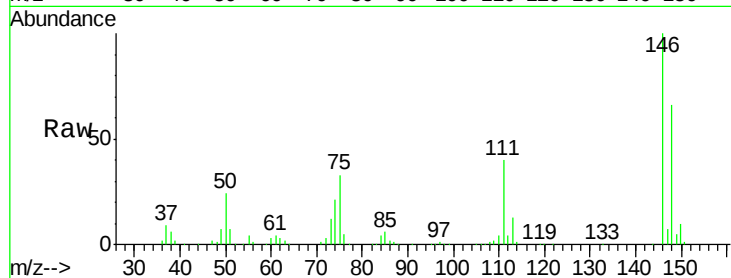




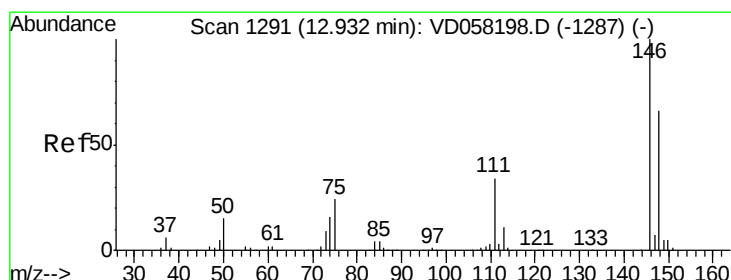
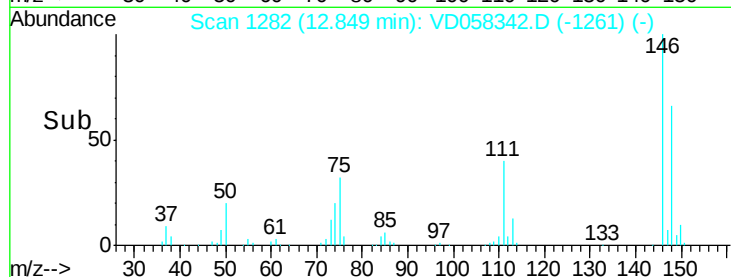
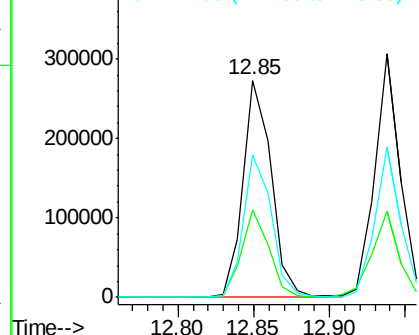
#87
 1,3-Dichlorobenzene
 Concen: 21.44 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	18.4	55.0
148	65.6	32.8	98.4

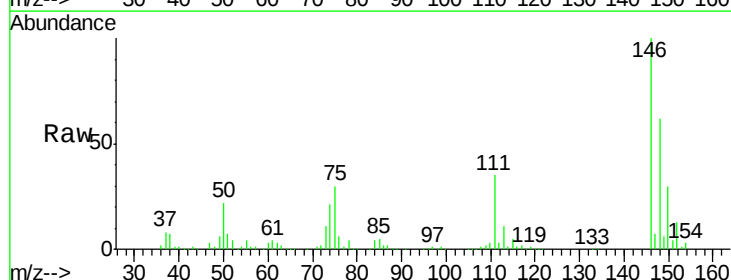


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

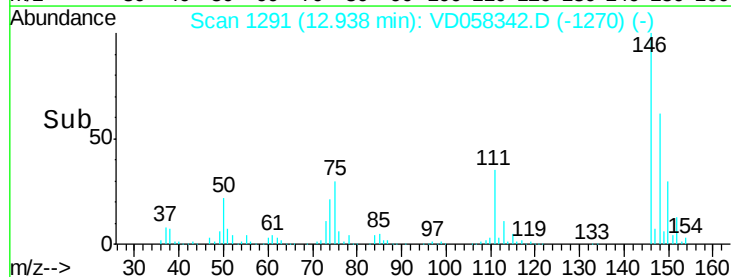
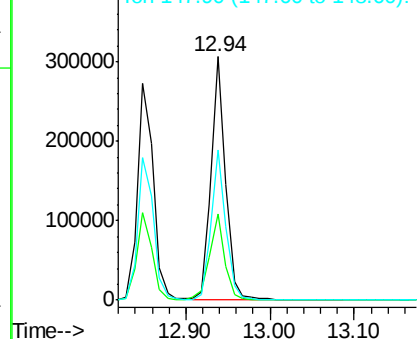


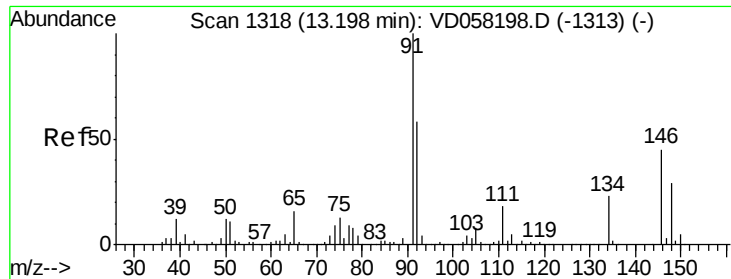
#88
 1,4-Dichlorobenzene
 Concen: 22.71 ug/l
 RT: 12.94 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	17.2	51.5
148	61.5	33.1	99.3



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

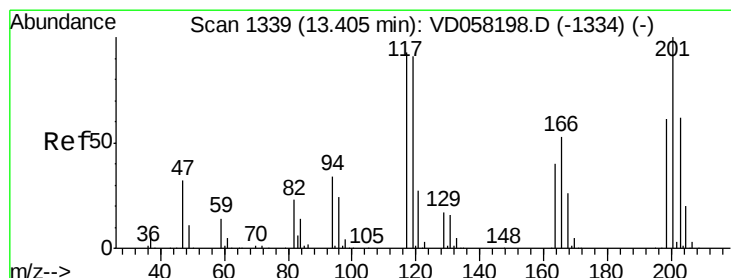
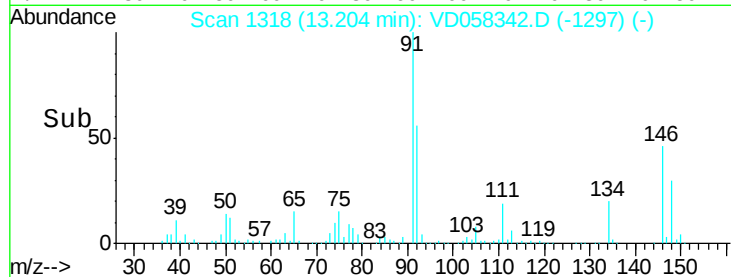
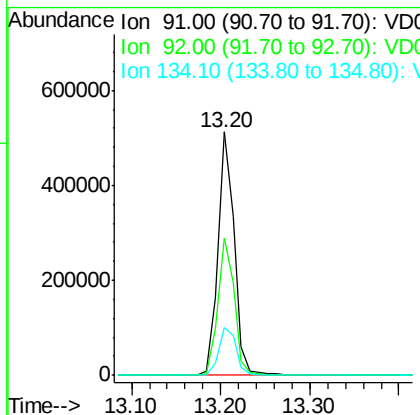
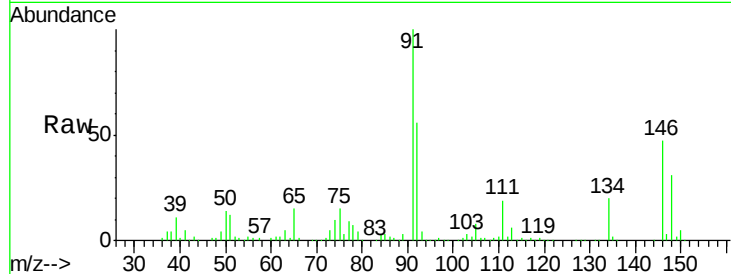




#89
n-Butylbenzene
Concen: 22.84 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

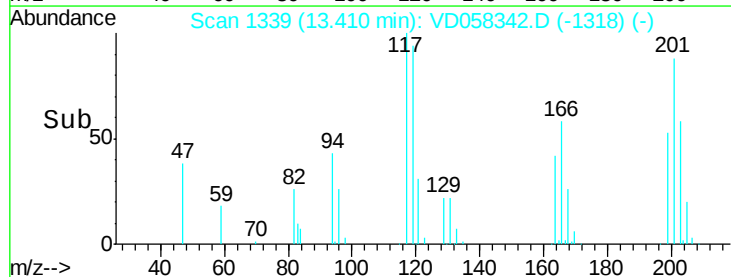
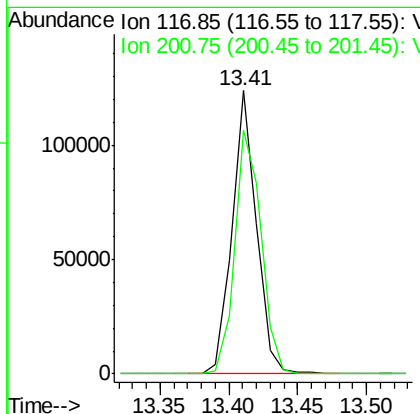
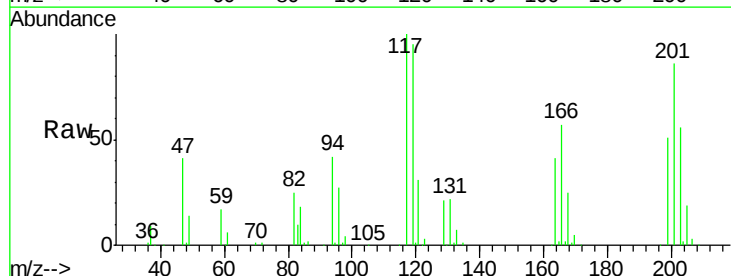
Instrument :
MSVOA_D
ClientSampled :

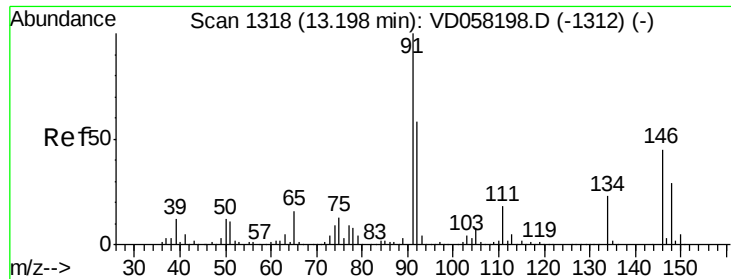
Tot Ion: 91 Resp: 651749
Ion Ratio Lower Upper
91 100
92 56.4 29.2 87.6
134 19.8 11.3 33.8



#90
Hexachloroethane
Concen: 21.49 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VD058342.D
Acq: 23 Jun 2018 15:50

Tgt Ion: 117 Resp: 151420
Ion Ratio Lower Upper
117 100
201 86.1 53.8 161.4

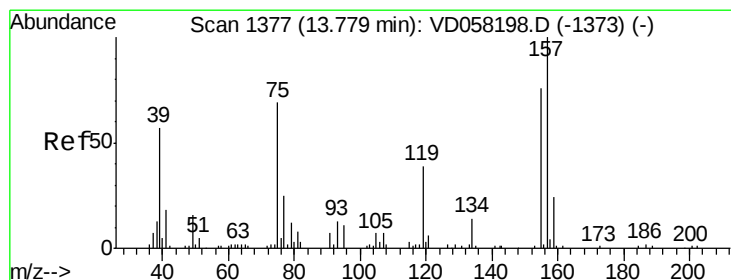
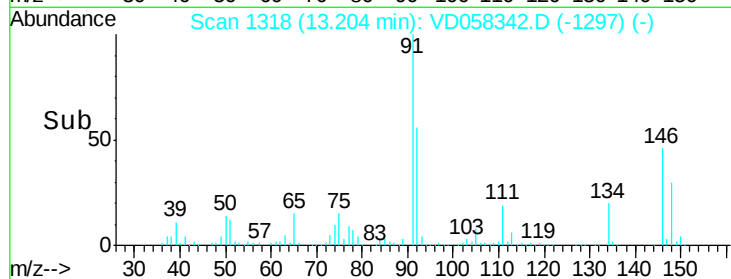
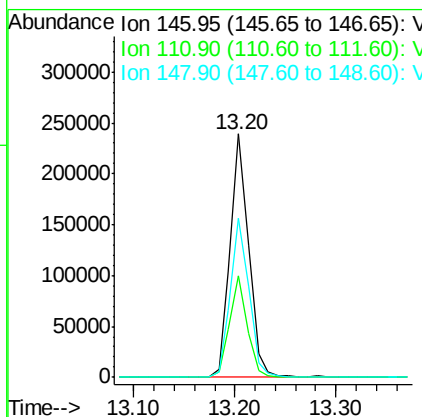
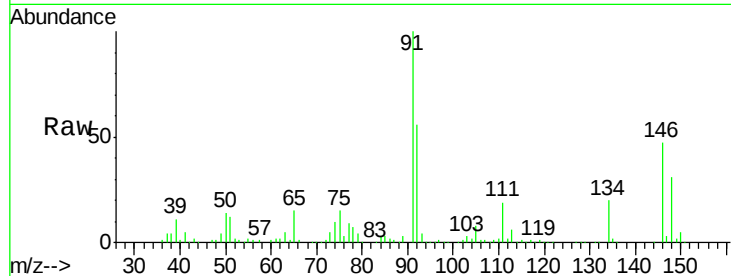




#91
 1,2-Dichlorobenzene
 Concen: 21.59 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

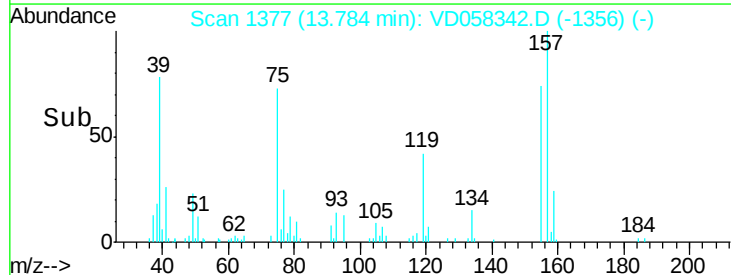
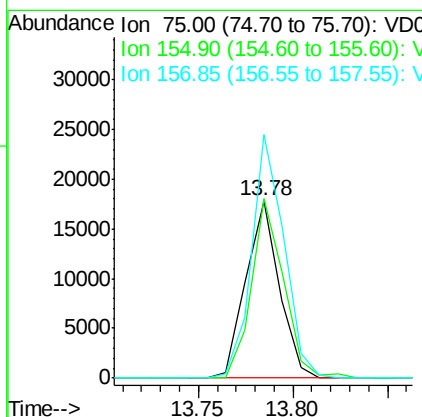
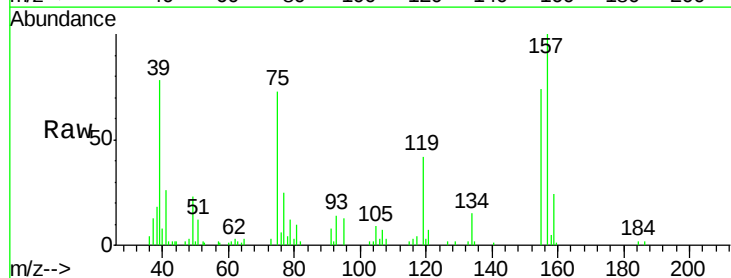
Instrument :
 MSVOA_D
 ClientSampled :

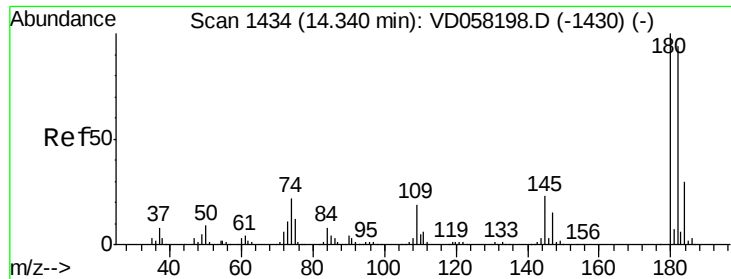
Tot Ion:146 Resp: 304850
 Ion Ratio Lower Upper
 146 100
 111 41.6 19.6 58.7
 148 65.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.42 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Tgt Ion: 75 Resp: 21750
 Ion Ratio Lower Upper
 75 100
 155 101.3 54.5 163.5
 157 137.1 72.0 215.9

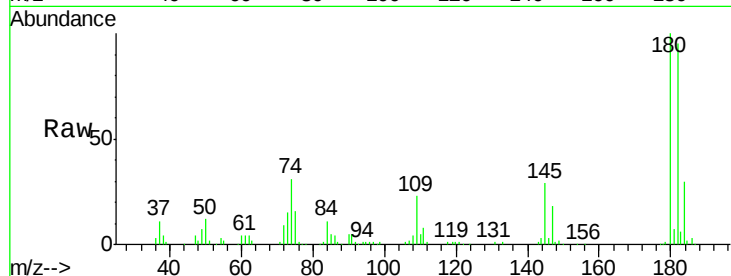




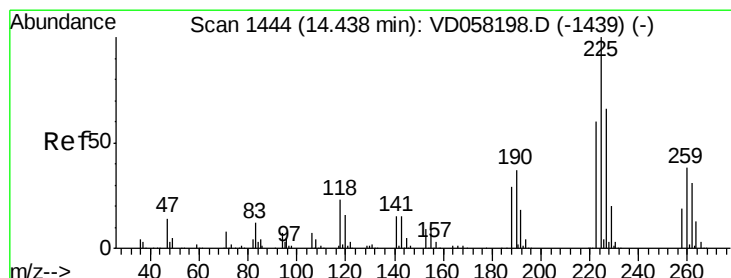
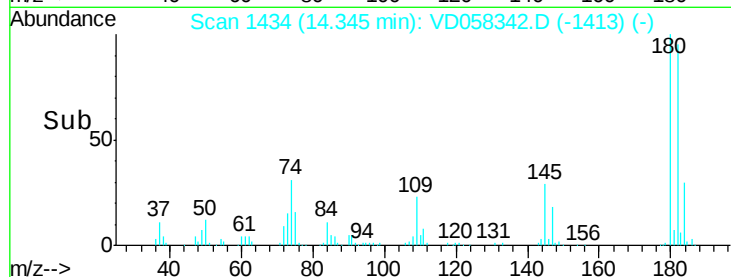
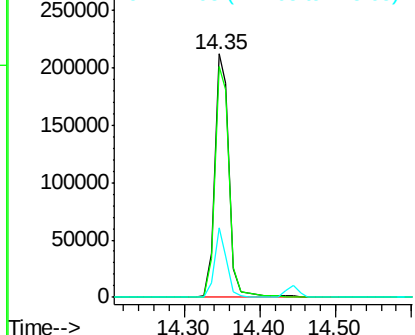
#93
 1,2,4-Trichlorobenzene
 Concen: 21.17 ug/l
 RT: 14.35 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 285788
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.1 141.3
 145 28.7 11.7 35.0

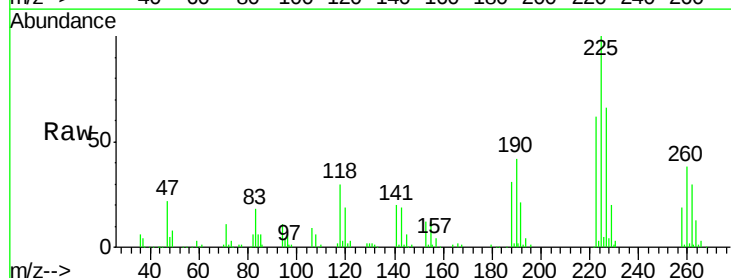


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

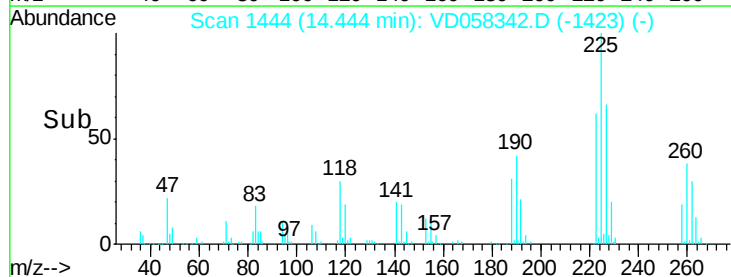
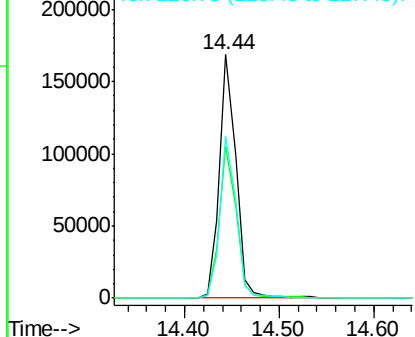


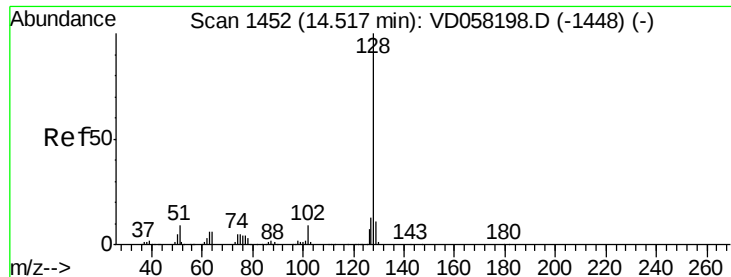
#94
 Hexachlorobutadiene
 Concen: 19.51 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD058342.D
 Acq: 23 Jun 2018 15:50

Tgt Ion:225 Resp: 206083
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.1 90.3
 227 66.2 33.0 98.9



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





#95

Naphthalene

Concen: 20.26 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.01 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

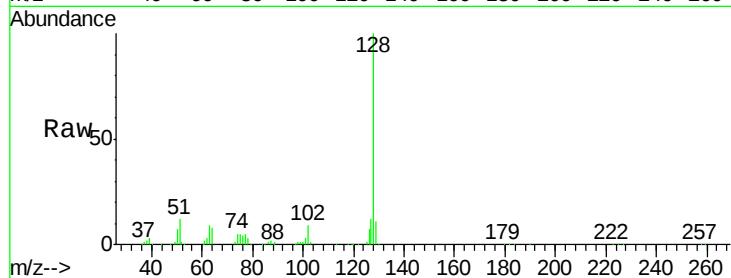
Tot Ion:128 Resp: 360389

Ion Ratio Lower Upper

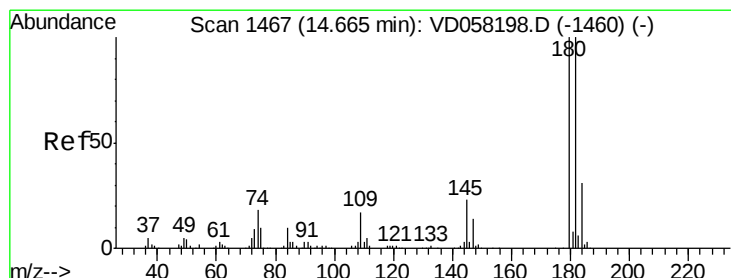
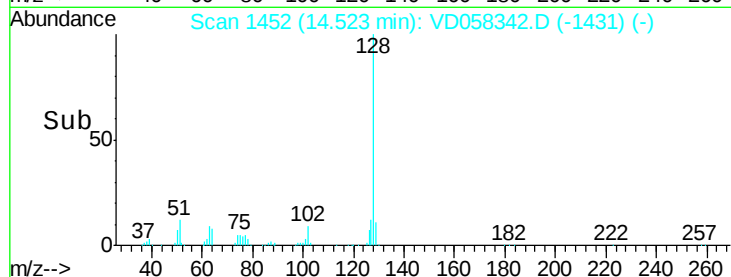
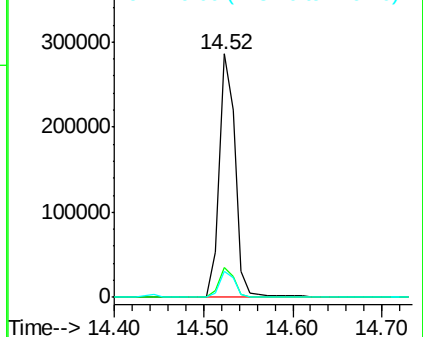
128 100

127 12.4 10.0 15.0

129 10.8 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 20.27 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD058342.D

Acq: 23 Jun 2018 15:50

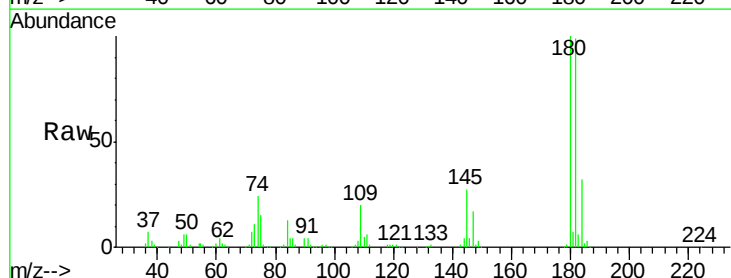
Tgt Ion:180 Resp: 239623

Ion Ratio Lower Upper

180 100

182 99.2 49.9 149.6

145 27.5 11.7 35.1



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

