

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058353.D
 Acq On : 23 Jun 2018 21:00
 Operator : VA/AP
 Sample : J3671-04MS
 Misc : 6.27g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 01:11:46 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	938832	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.72	114	1296467	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	1013866	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.92	152	496376	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	517050	54.53	ug/l	0.02
Spiked Amount			Recovery	=	109.06%	
35) Dibromofluoromethane	5.57	113	538288	51.01	ug/l	0.02
Spiked Amount			Recovery	=	102.02%	
50) Toluene-d8	8.72	98	1304935	51.12	ug/l	0.01
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.94	95	513614	49.25	ug/l	0.01
Spiked Amount			Recovery	=	98.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	459073	52.51	ug/l	99
3) Chloromethane	1.51	50	256819	63.90	ug/l	93
4) Vinyl Chloride	1.57	62	578128	117.55	ug/l	95
5) Bromomethane	1.81	94	89247	55.00	ug/l	93
6) Chloroethane	1.90	64	118698	70.14	ug/l	98
7) Trichlorofluoromethane	2.10	101	354571	52.58	ug/l	94
8) Diethyl Ether	2.36	74	80382	56.36	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.57	101	223483	52.13	ug/l	94
10) Methyl Iodide	2.71	142	233226	47.83	ug/l	96
11) Tert butyl alcohol	3.28	59	82061	262.37	ug/l	96
12) 1,1-Dichloroethene	2.56	96	170546	52.88	ug/l	92
13) Acrolein	2.48	56	18045	101.07	ug/l	96
14) Allyl chloride	2.95	41	401959	53.54	ug/l	92
15) Acrylonitrile	3.38	53	352011	424.47	ug/l	96
16) Acetone	2.63	43	456677	352.14	ug/l	96
17) Carbon Disulfide	2.78	76	516519	47.07	ug/l	99
18) Methyl Acetate	2.95	43	183398	66.31	ug/l	98
19) Methyl tert-butyl Ether	3.43	73	847963	99.12	ug/l	99
20) Methylene Chloride	3.09	84	200620	60.23	ug/l	95
21) trans-1,2-Dichloroethene	3.41	96	394847	112.01	ug/l	89
22) Diisopropyl ether	4.10	45	1514843	50.81	ug/l	96
23) Vinyl Acetate	4.05	43	3096920	193.76	ug/l	100
24) 1,1-Dichloroethane	4.00	63	921109	57.34	ug/l	99
25) 2-Butanone	4.86	43	612730	216.78	ug/l	99
26) 2,2-Dichloropropane	4.83	77	561415	41.74	ug/l #	32
27) cis-1,2-Dichloroethene	4.83	96	4151779	471.32	ug/l	98
28) Bromochloromethane	5.17	49	365708	50.79	ug/l	94
29) Tetrahydrofuran	5.21	42	371205	246.73	ug/l	98
30) Chloroform	5.35	83	870359	51.32	ug/l	94
31) Cyclohexane	5.61	56	602436	51.85	ug/l	99
32) 1,1,1-Trichloroethane	5.53	97	717557	51.21	ug/l	97
36) 1,1-Dichloropropene	5.77	75	579550	45.19	ug/l	99
37) Ethyl Acetate	4.95	43	340220	46.56	ug/l #	48
38) Carbon Tetrachloride	5.75	117	600387	47.11	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.31	83	580157	46.44	ug/l	99
40) Benzene	6.04	78	1396878	45.72	ug/l	100
41) Methacrylonitrile	5.15	41	180905	51.27	ug/l	97
42) 1,2-Dichloroethane	6.15	62	601225	48.80	ug/l	98
43) Isopropyl Acetate	7.64	43	407624	41.84	ug/l #	98
44) Trichloroethene	7.00	130	1449859	158.04	ug/l	98
45) 1,2-Dichloropropane	7.37	63	410854	49.93	ug/l	99
46) Dibromomethane	7.48	93	268014	47.72	ug/l	98
47) Bromodichloromethane	7.76	83	644403	50.31	ug/l	96
48) Methyl methacrylate	7.52	41	291926	49.30	ug/l	92
49) 1,4-Dioxane	7.51	88	50502	944.87	ug/l #	80
51) 4-Methyl-2-Pentanone	8.62	43	1507095	237.16	ug/l	98
52) Toluene	8.82	92	835232	48.01	ug/l	99
53) t-1,3-Dichloropropene	9.21	75	541240	48.60	ug/l	98
54) cis-1,3-Dichloropropene	8.38	75	620871	47.56	ug/l	97
55) 1,1,2-Trichloroethane	9.47	97	299066	48.59	ug/l	96
56) Ethyl methacrylate	9.33	69	343594	46.68	ug/l	97
57) 1,3-Dichloropropane	9.68	76	486111	46.89	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.21	63	914091	250.85	ug/l	94
59) 2-Hexanone	9.81	43	1126853	245.41	ug/l	92
60) Dibromochloromethane	9.97	129	420110	50.30	ug/l	97
61) 1,2-Dibromoethane	10.11	107	319306	47.40	ug/l	96
64) Tetrachloroethene	9.53	164	433161	50.78	ug/l	98
65) Chlorobenzene	10.74	112	1052872	55.52	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.86	131	377411	51.57	ug/l	99
67) Ethyl Benzene	10.87	91	1650873	49.31	ug/l	100
68) m/p-Xylenes	11.03	106	1076844	96.45	ug/l	98
69) o-Xylene	11.42	106	543608	50.98	ug/l	95
70) Styrene	11.44	104	931243	51.17	ug/l	99
71) Bromoform	11.61	173	302754	51.86	ug/l	94
73) Isopropylbenzene	11.79	105	1498182	50.46	ug/l	99
74) N-amyl acetate	11.66	43	476374	41.50	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.09	83	356302	51.57	ug/l	100
76) 1,2,3-Trichloropropane	12.12	75	364352	50.27	ug/l	99
77) Bromobenzene	12.05	156	470509	52.92	ug/l	88
78) n-propylbenzene	12.17	91	1933645	50.43	ug/l	97
79) 2-Chlorotoluene	12.23	91	1137606	51.85	ug/l	97
80) 1,3,5-Trimethylbenzene	12.33	105	1197922	51.73	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.85	75	85370	48.30	ug/l	97
82) 4-Chlorotoluene	12.34	91	1216683	57.74	ug/l	96
83) tert-Butylbenzene	12.58	119	1355625	50.92	ug/l	95
84) 1,2,4-Trimethylbenzene	12.63	105	1327112	52.72	ug/l	97
85) sec-Butylbenzene	12.77	105	1584809	50.78	ug/l	98
86) p-Isopropyltoluene	12.90	119	1302698	51.51	ug/l	97
87) 1,3-Dichlorobenzene	12.85	146	748951	48.47	ug/l	94
88) 1,4-Dichlorobenzene	12.94	146	742886	49.23	ug/l	96
89) n-Butylbenzene	13.20	91	1269187	47.75	ug/l	99
90) Hexachloroethane	13.41	117	341514	52.03	ug/l	78
91) 1,2-Dichlorobenzene	13.20	146	661538	50.31	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.78	75	56996	51.83	ug/l	87

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Response via : Initial Calibration

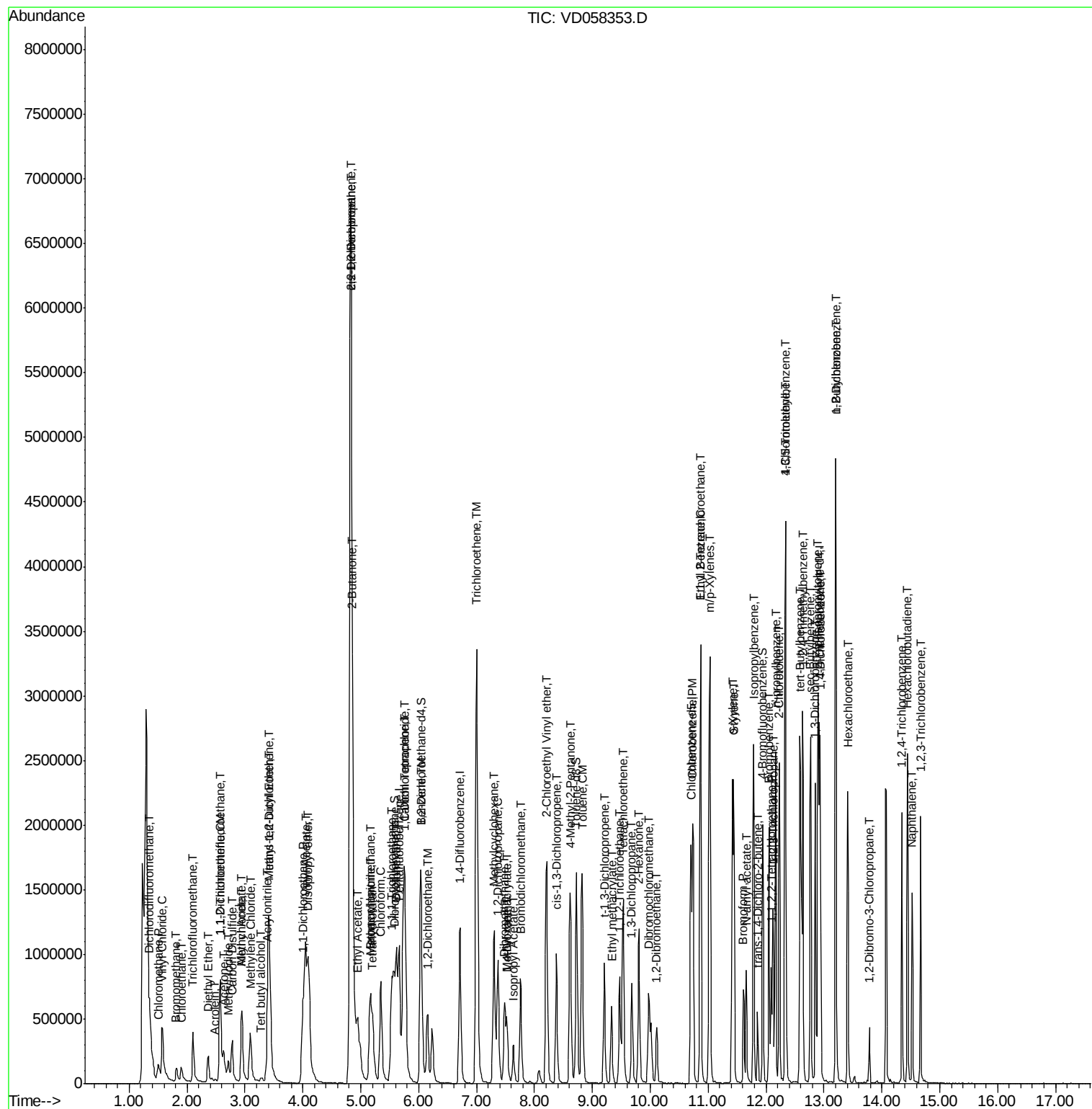
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	558032	44.37	ug/l	98
94) Hexachlorobutadiene	14.44	225	434030	44.12	ug/l	97
95) Naphthalene	14.52	128	810140	48.90	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	511335	46.44	ug/l	99

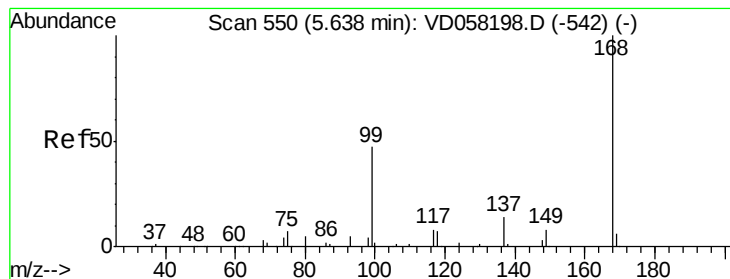
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

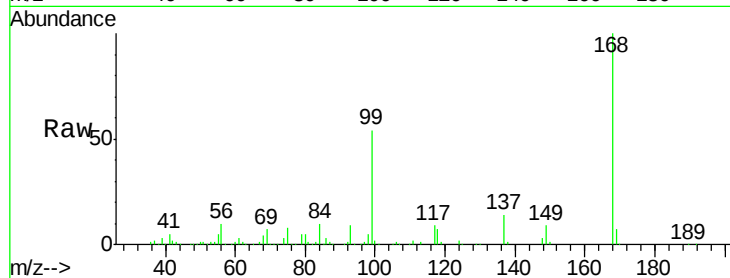
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 938832

Ion Ratio Lower Upper

168 100

99 54.4 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

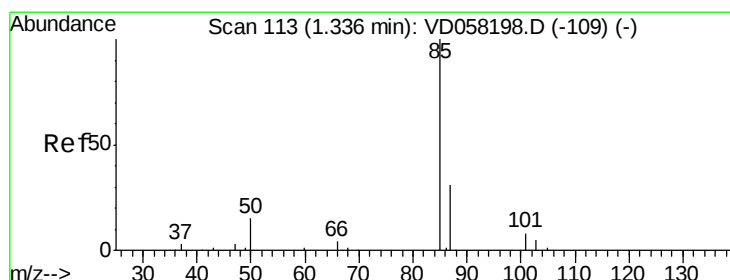
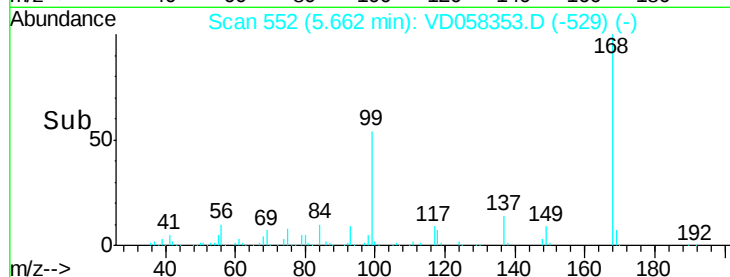
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 52.51 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.03 min

Lab File: VD058353.D

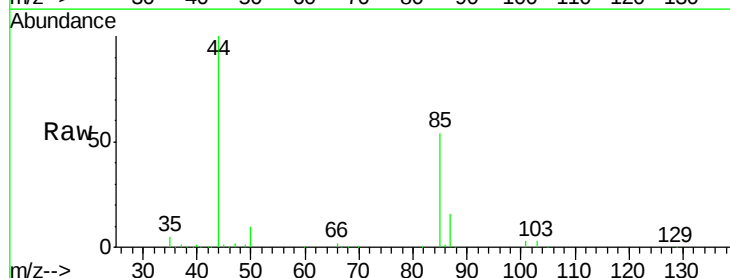
Acq: 23 Jun 2018 21:00

Tgt Ion: 85 Resp: 459073

Ion Ratio Lower Upper

85 100

87 30.5 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

150000

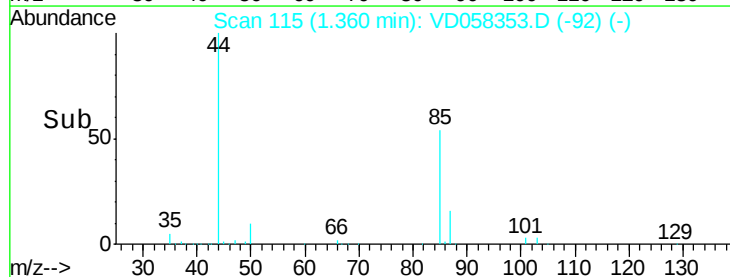
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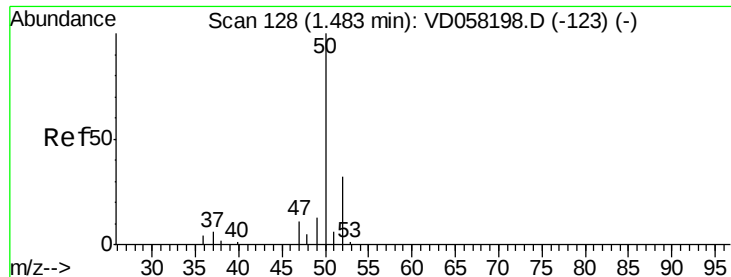
50000

0

Time-->

1.30 1.40 1.50





#3

Chloromethane

Concen: 63.90 ug/l

RT: 1.51 min Scan# 130

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

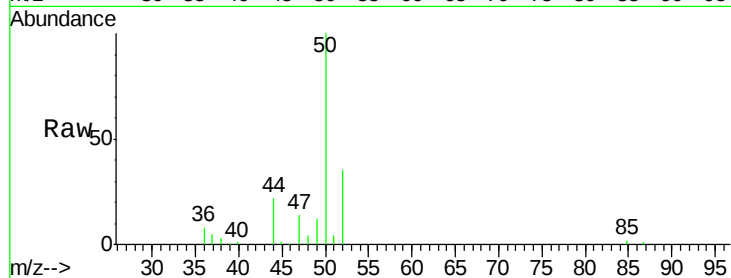
ClientSampleId :

Tot Ion: 50 Resp: 256819

Ion Ratio Lower Upper

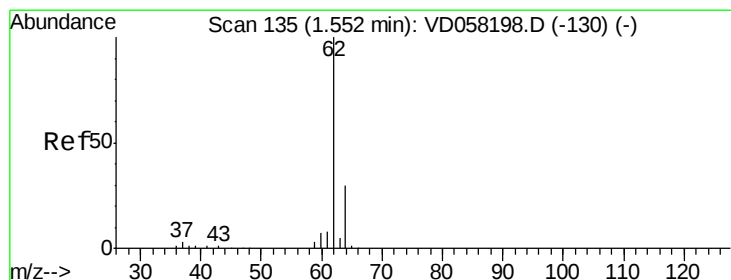
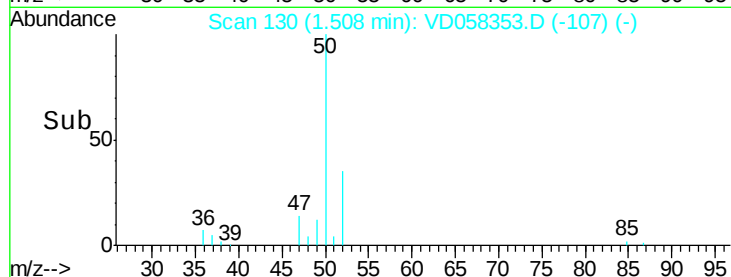
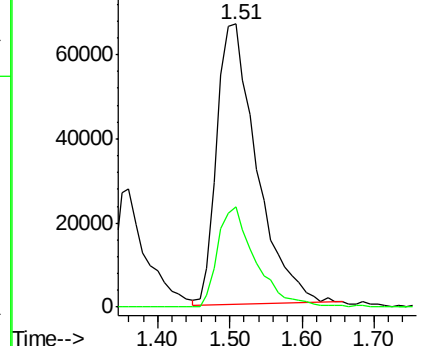
50 100

52 35.3 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: 117.55 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD058353.D

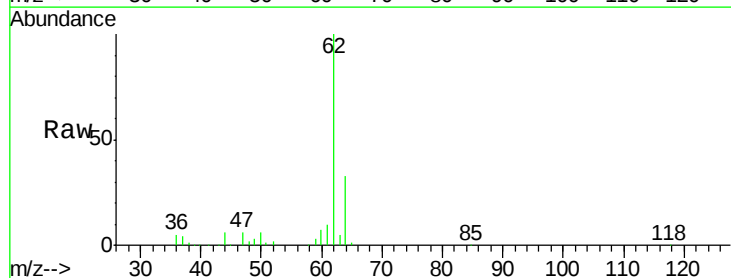
Acq: 23 Jun 2018 21:00

Tgt Ion: 62 Resp: 578128

Ion Ratio Lower Upper

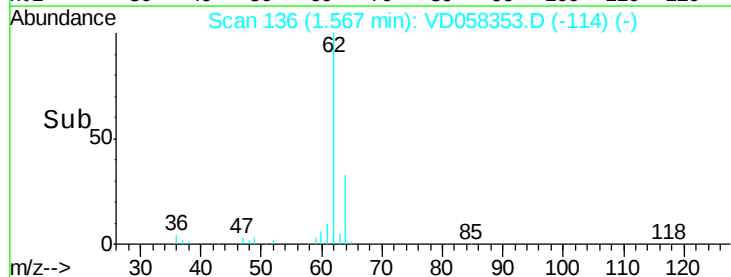
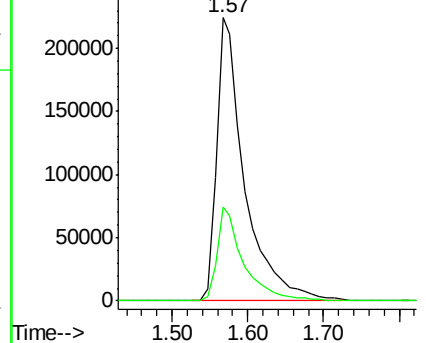
62 100

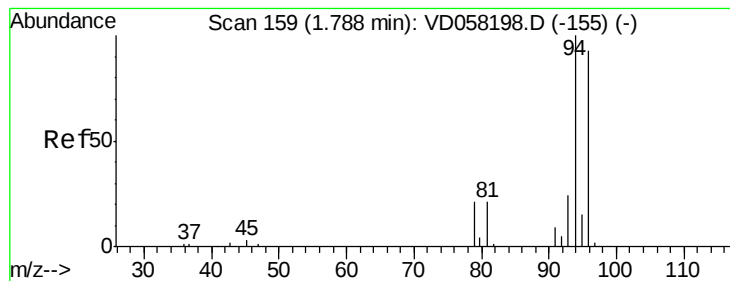
64 33.0 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 55.00 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

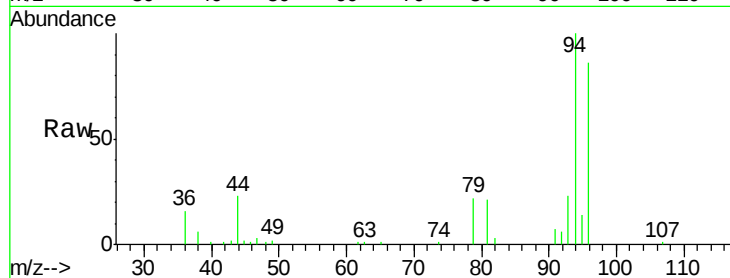
ClientSampleId :

Tot Ion: 94 Resp: 89247

Ion Ratio Lower Upper

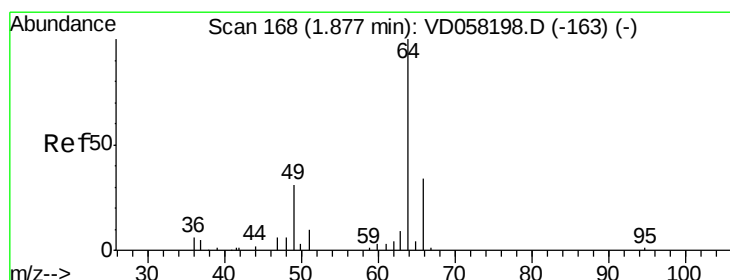
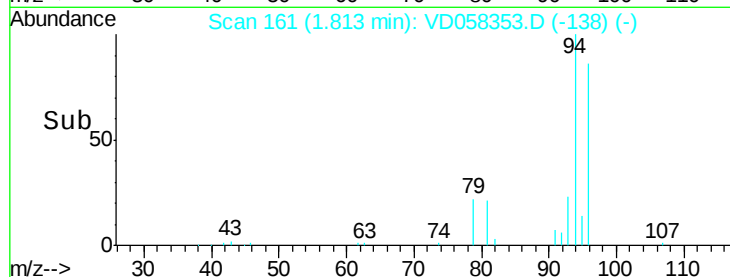
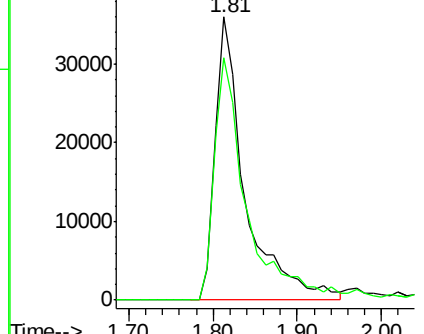
94 100

96 85.8 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 70.14 ug/l

RT: 1.90 min Scan# 170

Delta R.T. 0.02 min

Lab File: VD058353.D

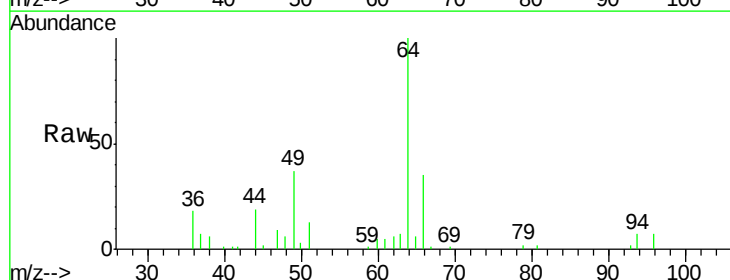
Acq: 23 Jun 2018 21:00

Tgt Ion: 64 Resp: 118698

Ion Ratio Lower Upper

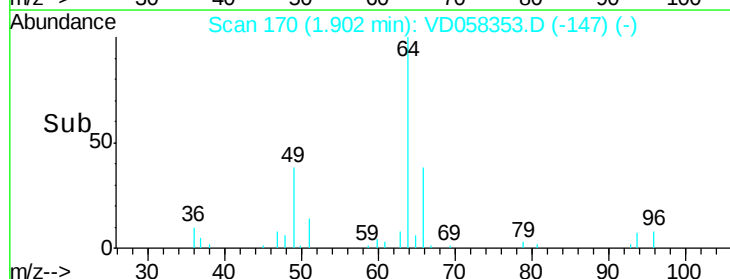
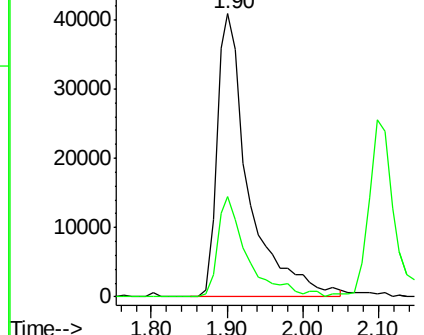
64 100

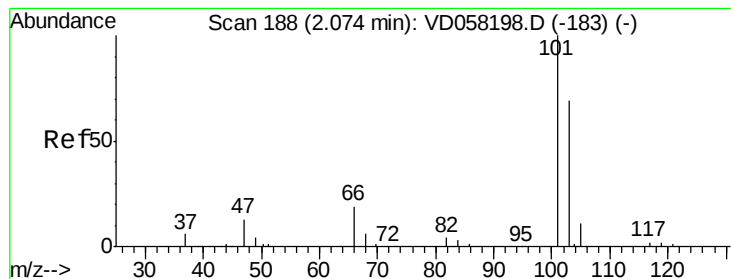
66 35.5 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



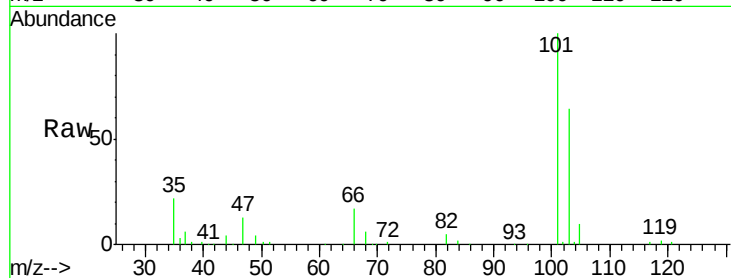


#7

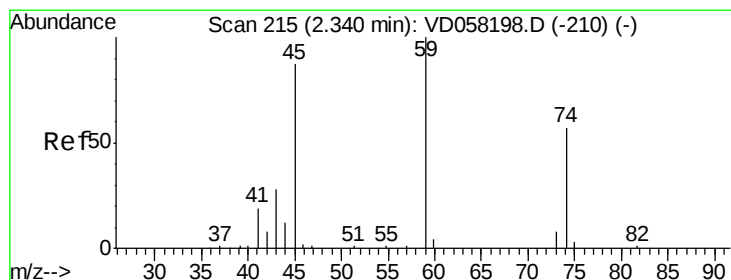
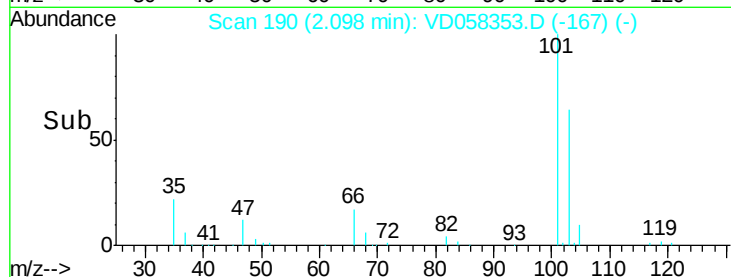
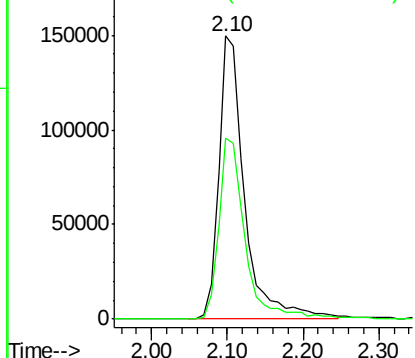
Trichlorofluoromethane
 Concen: 52.58 ug/l
 RT: 2.10 min Scan# 190
 Delta R.T. 0.02 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 354571
 Ion Ratio Lower Upper
 101 100
 103 63.9 55.1 82.7



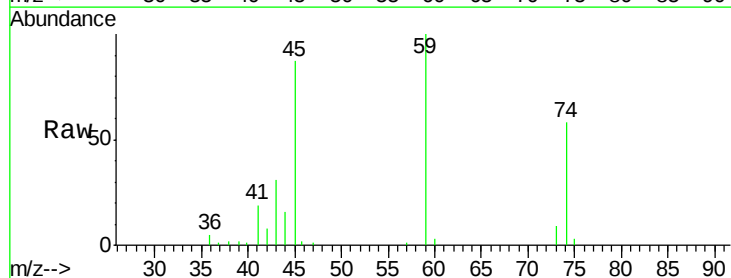
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



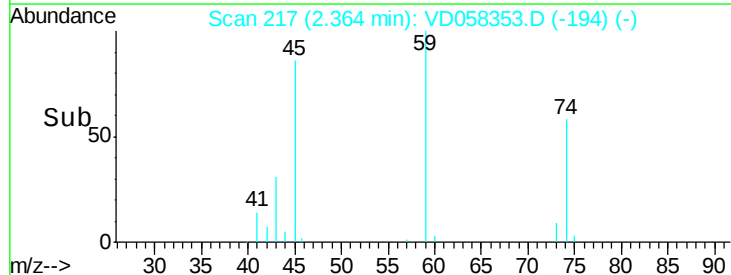
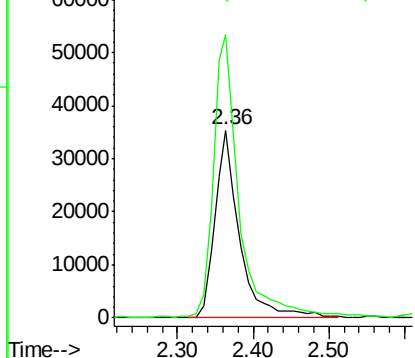
#8

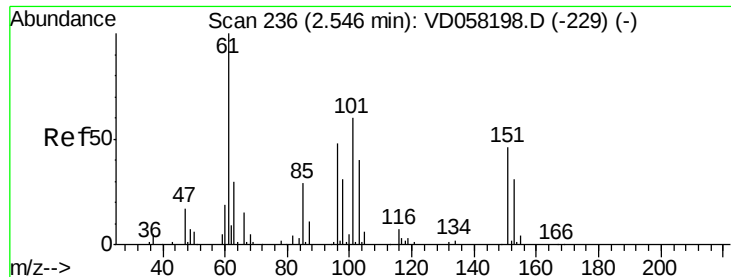
Diethyl Ether
 Concen: 56.36 ug/l
 RT: 2.36 min Scan# 217
 Delta R.T. 0.02 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

Tgt Ion: 74 Resp: 80382
 Ion Ratio Lower Upper
 74 100
 45 150.6 77.5 232.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.13 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

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ClientSampled :

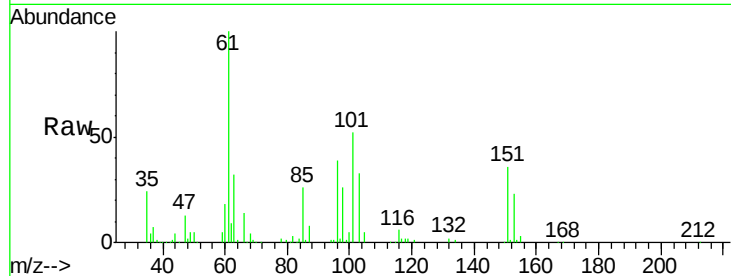
Tot Ion:101 Resp: 223483

Ion Ratio Lower Upper

101 100

85 49.8 39.0 58.4

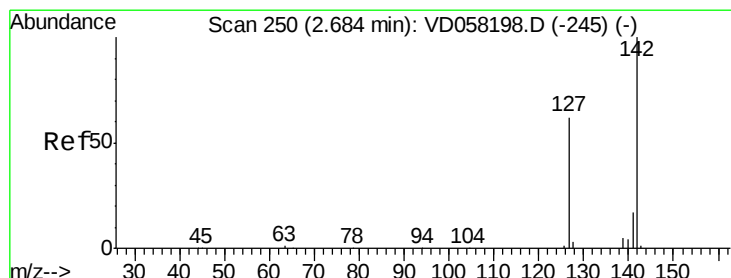
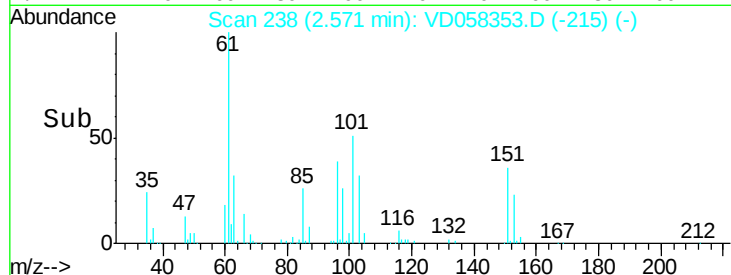
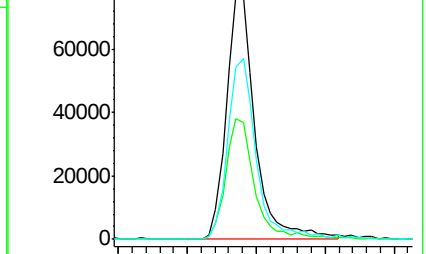
151 70.4 61.8 92.8



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: 47.83 ug/l

RT: 2.71 min Scan# 252

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

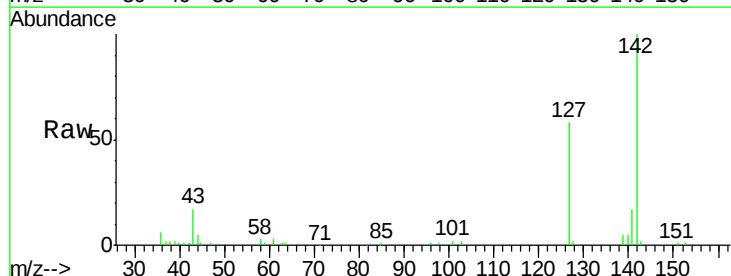
Tgt Ion:142 Resp: 233226

Ion Ratio Lower Upper

142 100

127 58.3 49.4 74.0

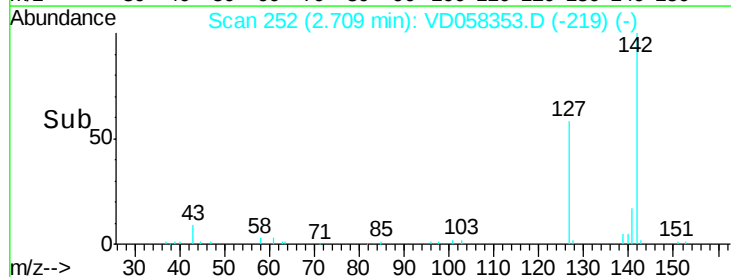
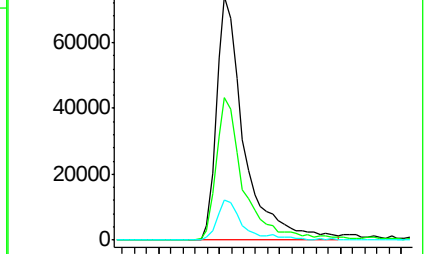
141 16.6 13.5 20.3



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



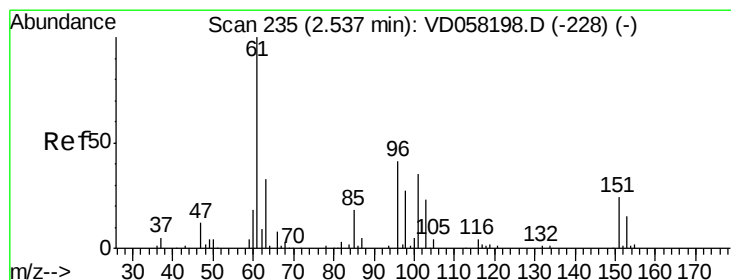
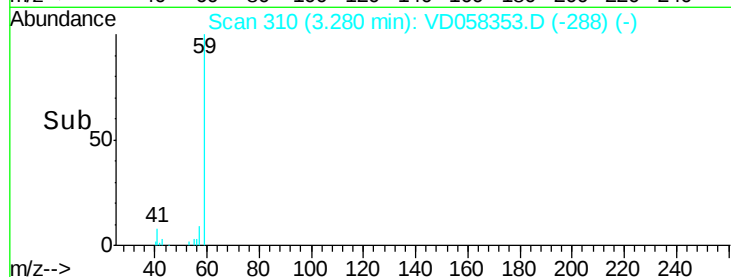
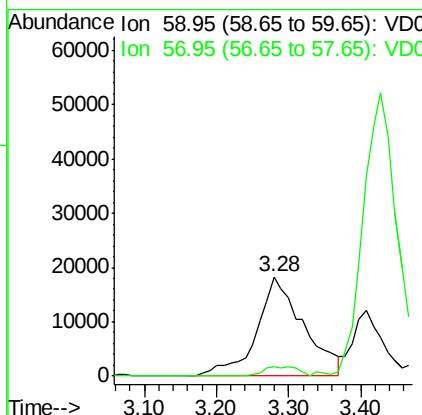
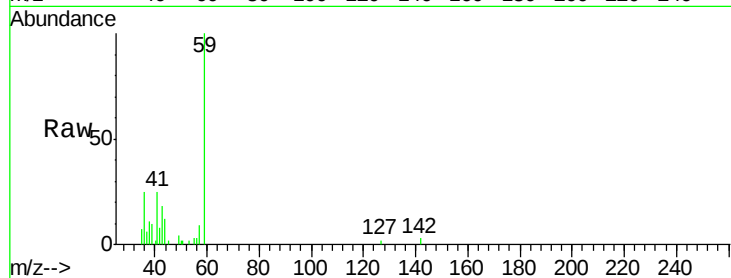


#11

Tert butyl alcohol
 Concen: 262.37 ug/l
 RT: 3.28 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

Instrument :
 MSVOA_D
 ClientSampleID :

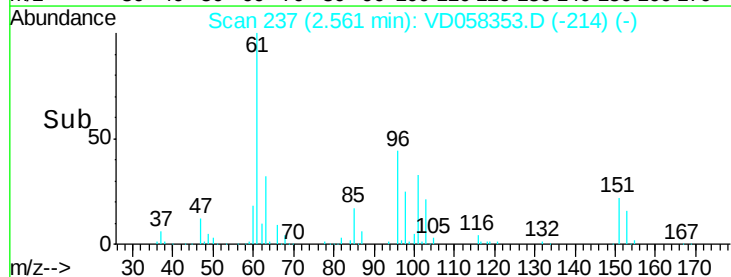
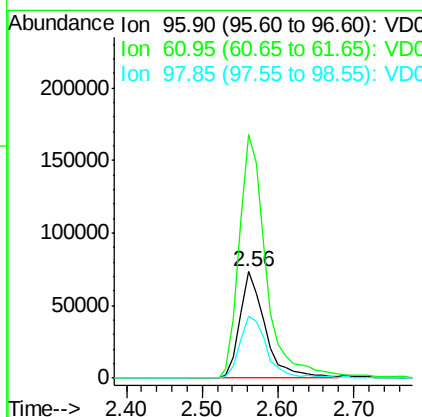
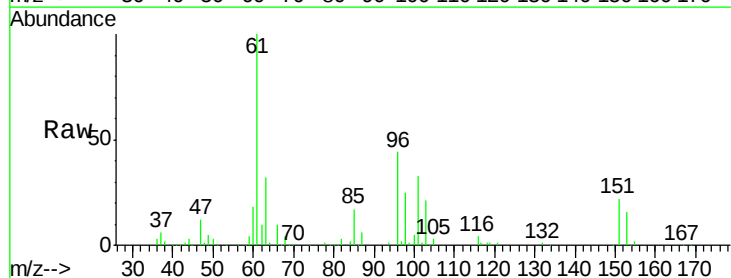
Tot Ion: 59 Resp: 82061
 Ion Ratio Lower Upper
 59 100
 57 9.2 6.2 9.4

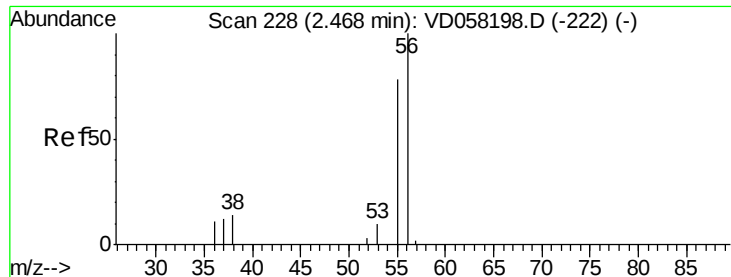


#12

1,1-Dichloroethene
 Concen: 52.88 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. 0.02 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

Tgt Ion: 96 Resp: 170546
 Ion Ratio Lower Upper
 96 100
 61 229.4 193.9 290.9
 98 58.2 51.7 77.5





#13

Acrolein

Concen: 101.07 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

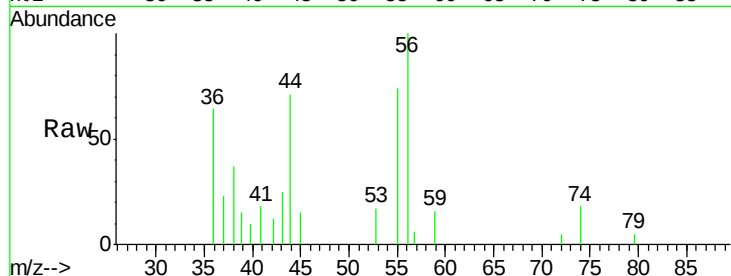
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 18045

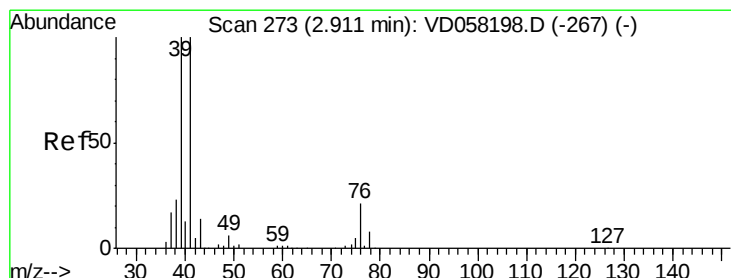
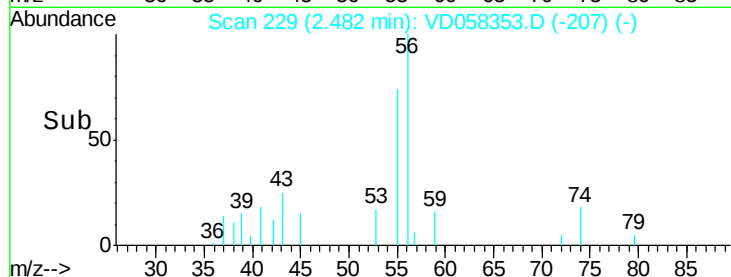
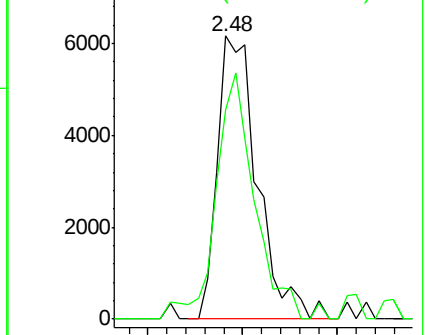
Ion Ratio Lower Upper

56 100

55 74.0 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.54 ug/l

RT: 2.95 min Scan# 276

Delta R.T. 0.03 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

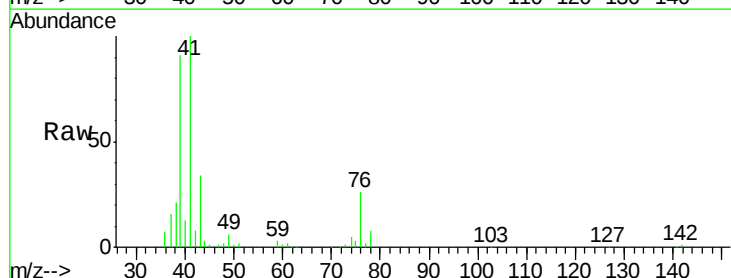
Tgt Ion: 41 Resp: 401959

Ion Ratio Lower Upper

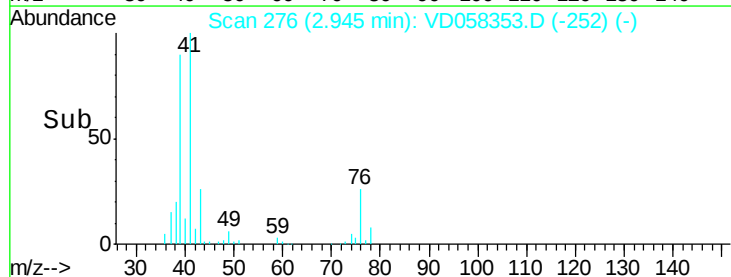
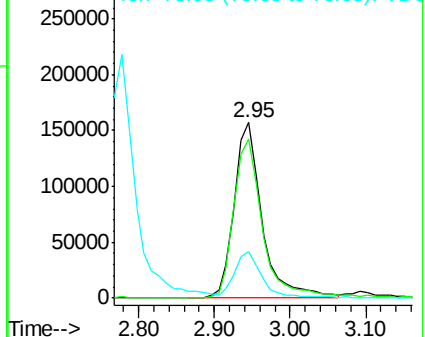
41 100

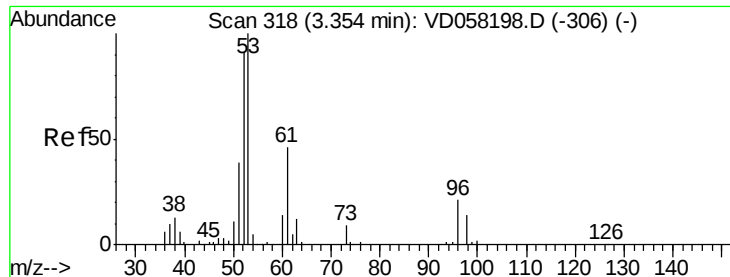
39 90.5 80.1 120.1

76 26.2 19.4 29.2



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 424.47 ug/l

RT: 3.38 min Scan# 320

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

ClientSampleId :

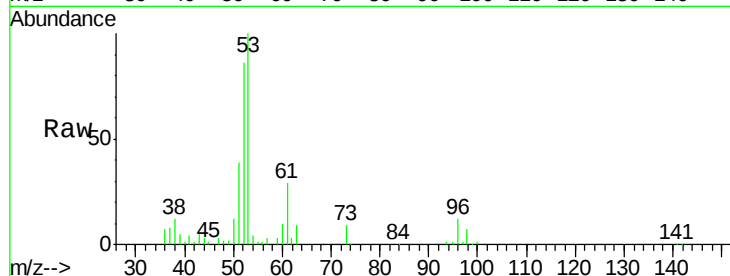
Tot Ion: 53 Resp: 352011

Ion Ratio Lower Upper

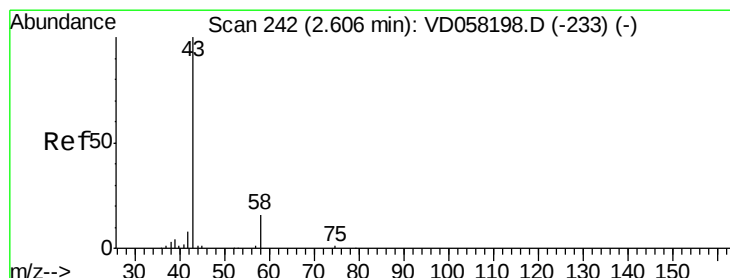
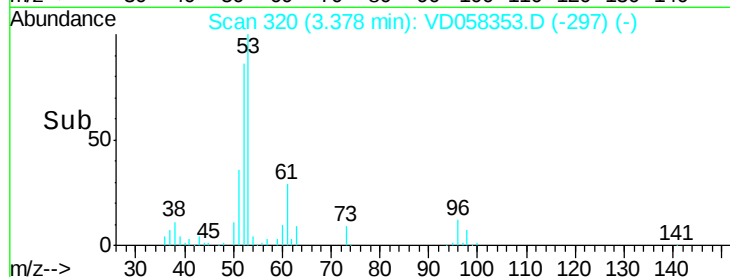
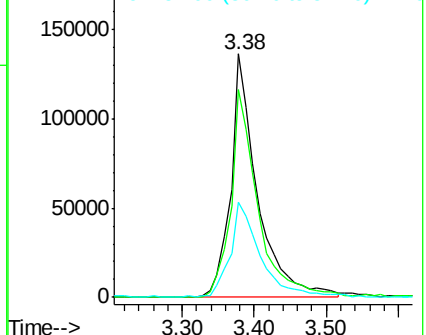
53 100

52 85.5 72.6 108.8

51 39.2 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: 352.14 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058353.D

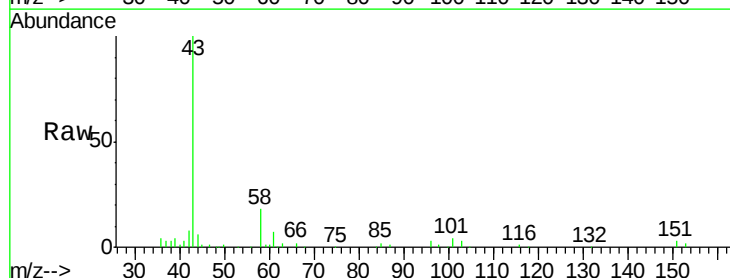
Acq: 23 Jun 2018 21:00

Tgt Ion: 43 Resp: 456677

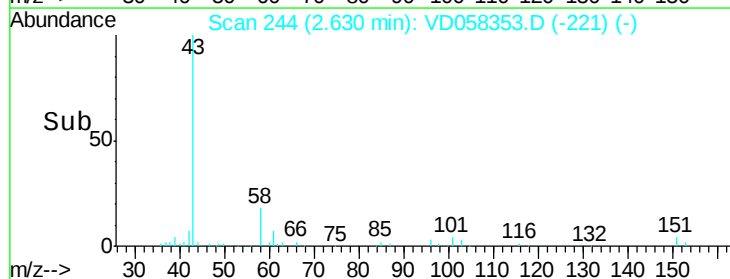
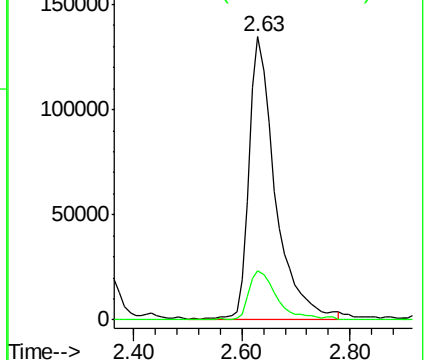
Ion Ratio Lower Upper

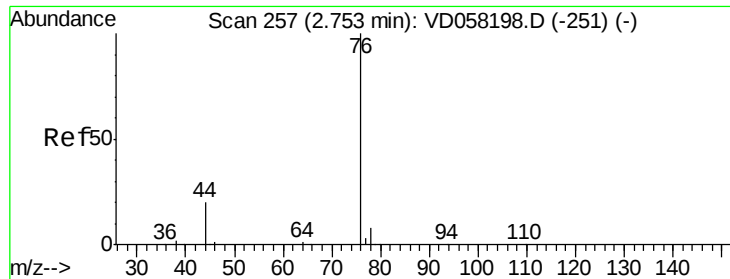
43 100

58 17.6 12.7 19.1



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

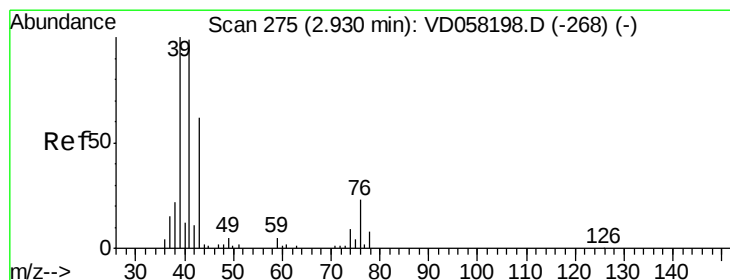
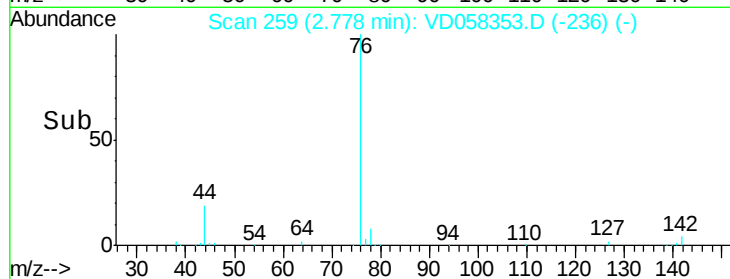
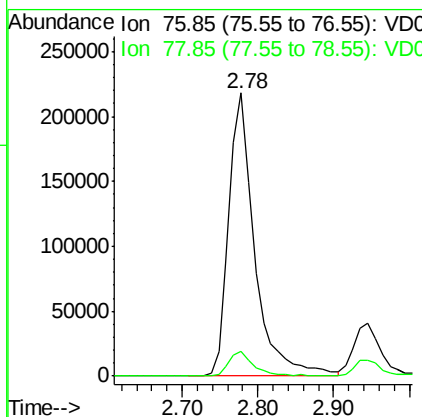
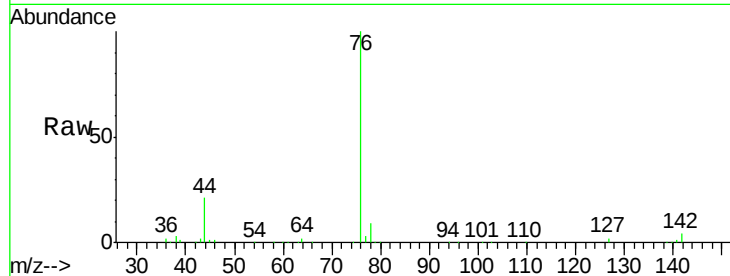




#17
Carbon Disulfide
Concen: 47.07 ug/l
RT: 2.78 min Scan# 259
Delta R.T. 0.02 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

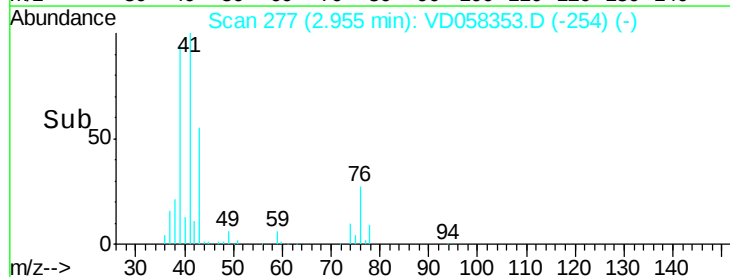
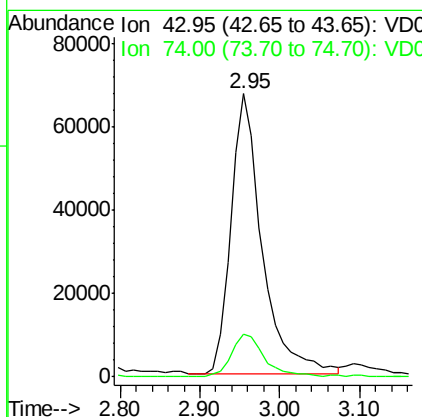
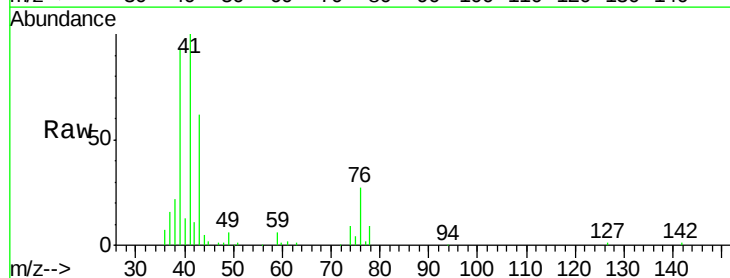
Instrument :
MSVOA_D
ClientSampleId :

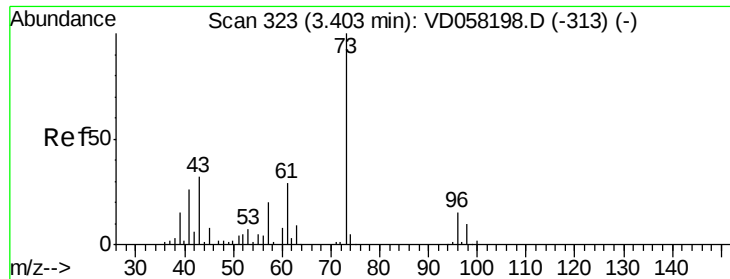
Tot Ion: 76 Resp: 516519
Ion Ratio Lower Upper
76 100
78 8.8 6.8 10.2



#18
Methyl Acetate
Concen: 66.31 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Tgt Ion: 43 Resp: 183398
Ion Ratio Lower Upper
43 100
74 15.2 11.7 17.5

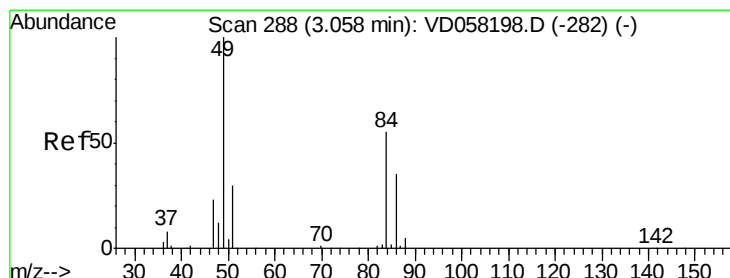
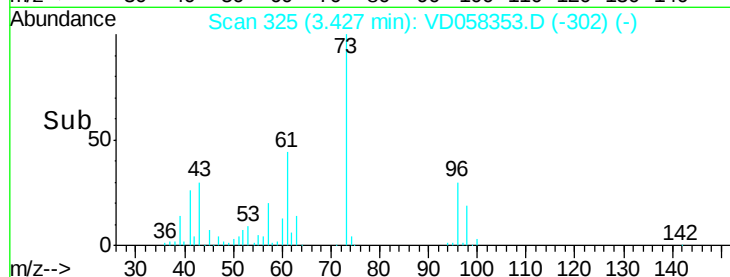
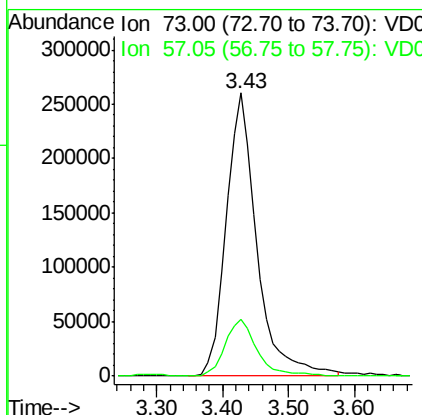
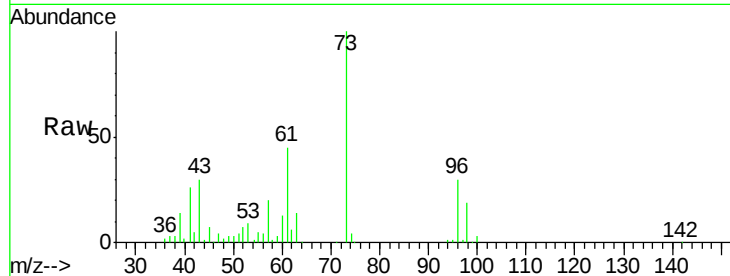




#19
Methvl tert-butvl Ether
Concen: 99.12 ug/l
RT: 3.43 min Scan# 325
Delta R.T. 0.02 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

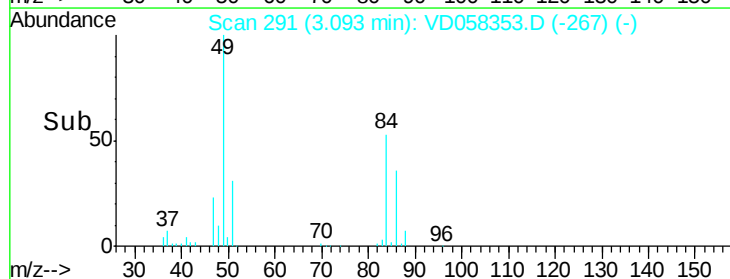
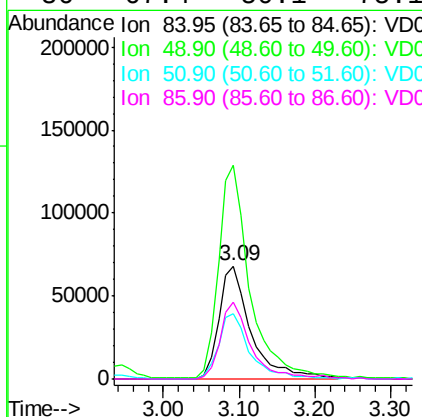
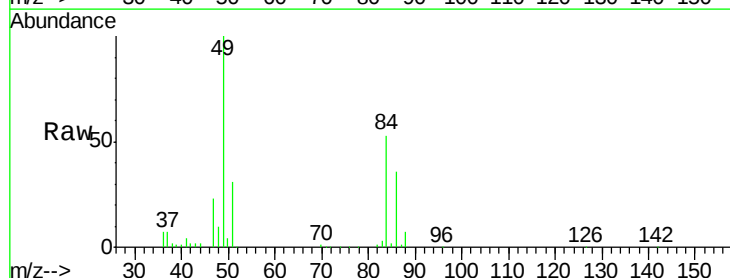
Instrument :
MSVOA_D
ClientSampled :

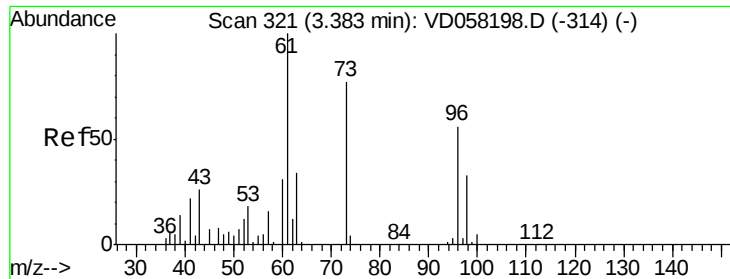
Tot Ion: 73 Resp: 847963
Ion Ratio Lower Upper
73 100
57 20.0 16.6 24.8



#20
Methylene Chloride
Concen: 60.23 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Tgt Ion: 84 Resp: 200620
Ion Ratio Lower Upper
84 100
49 188.6 145.0 217.6
51 57.7 42.9 64.3
86 67.4 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 112.01 ug/l

RT: 3.41 min Scan# 323

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

ClientSampleId :

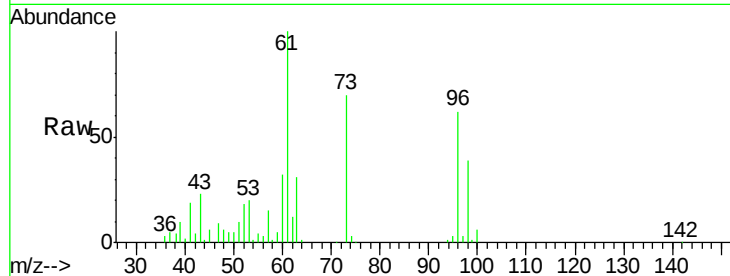
Tot Ion: 96 Resp: 394847

Ion Ratio Lower Upper

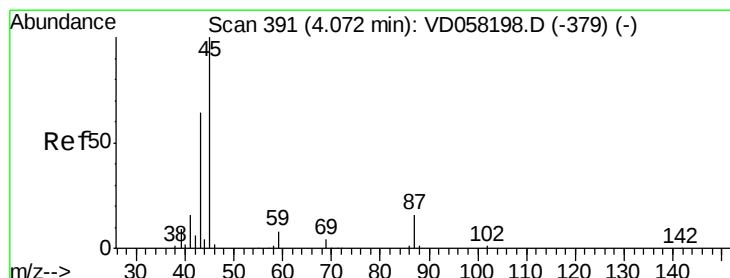
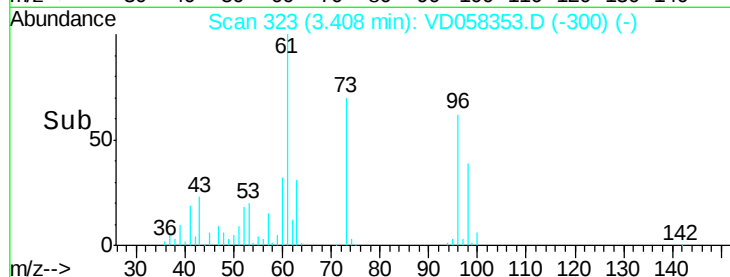
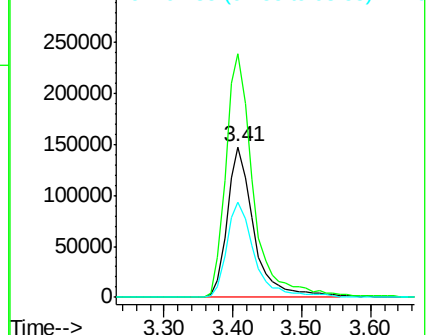
96 100

61 161.9 143.8 215.6

98 63.6 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: 50.81 ug/l

RT: 4.10 min Scan# 393

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Tgt Ion: 45 Resp: 1514843

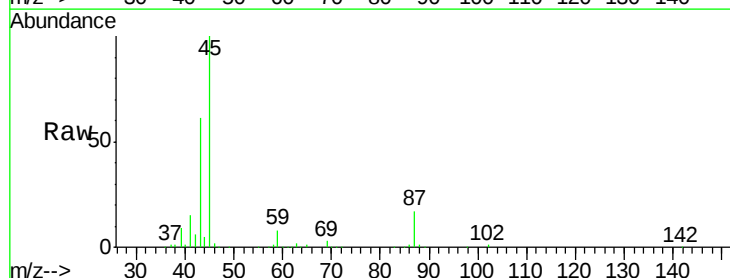
Ion Ratio Lower Upper

45 100

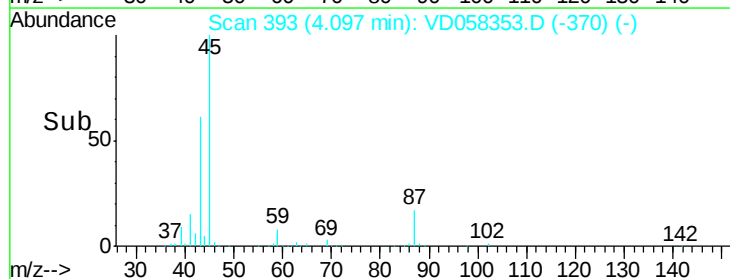
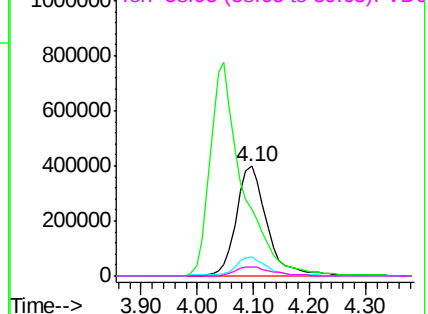
43 60.6 51.4 77.0

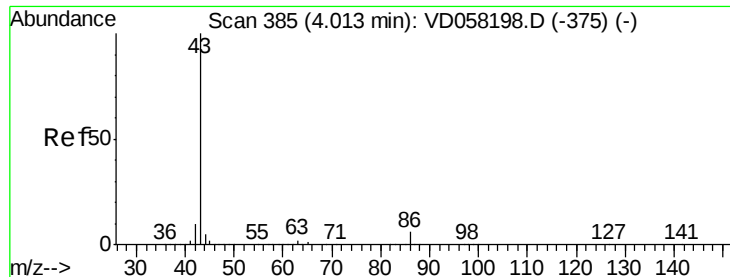
87 17.3 13.0 19.4

59 8.4 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

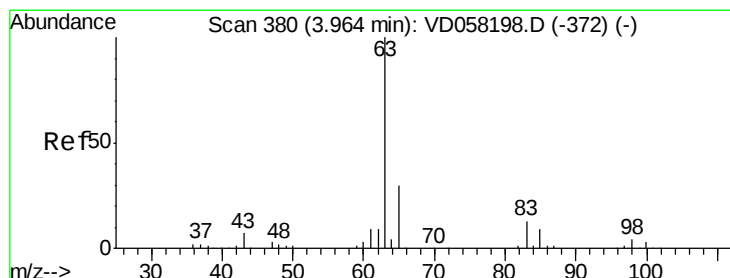
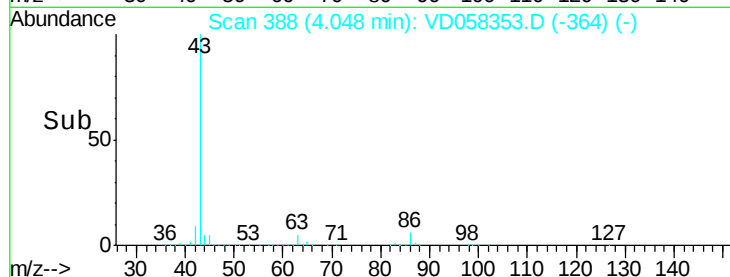
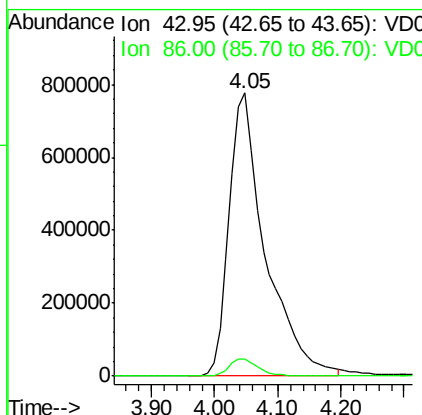
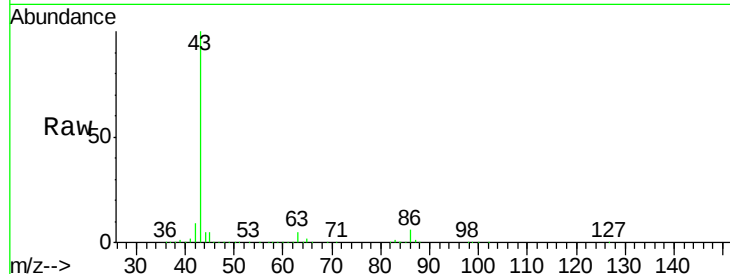




#23
 Vinyl Acetate
 Concen: 193.76 ug/l
 RT: 4.05 min Scan# 388
 Delta R.T. 0.03 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

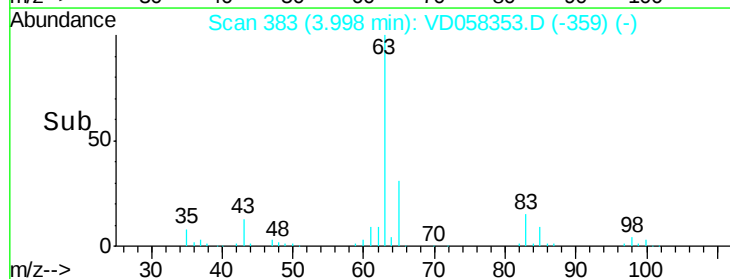
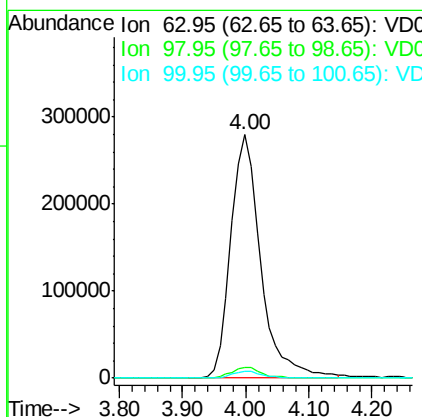
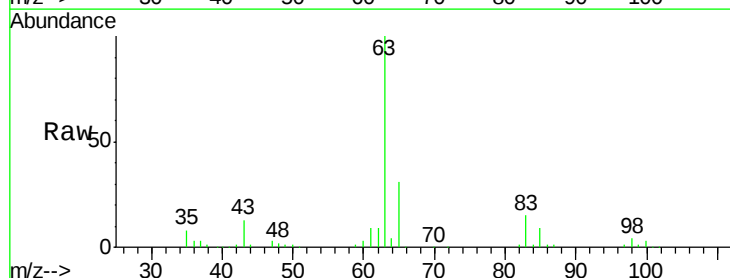
Instrument :
 MSVOA_D
 ClientSampled :

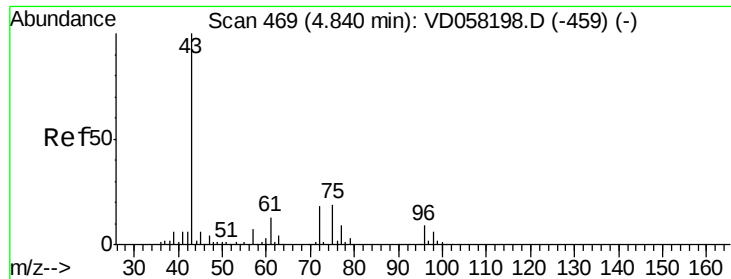
Tot Ion: 43 Resp: 3096920
 Ion Ratio Lower Upper
 43 100
 86 6.2 5.0 7.4



#24
 1,1-Dichloroethane
 Concen: 57.34 ug/l
 RT: 4.00 min Scan# 383
 Delta R.T. 0.03 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

Tgt Ion: 63 Resp: 921109
 Ion Ratio Lower Upper
 63 100
 98 4.2 1.9 5.7
 100 2.5 1.3 3.9





#25

2-Butanone

Concen: 216.78 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

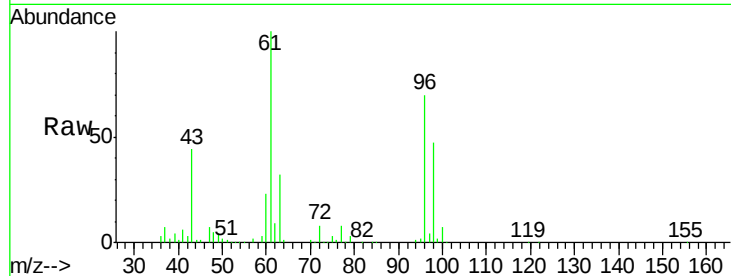
ClientSampled :

Tot Ion: 43 Resp: 612730

Ion Ratio Lower Upper

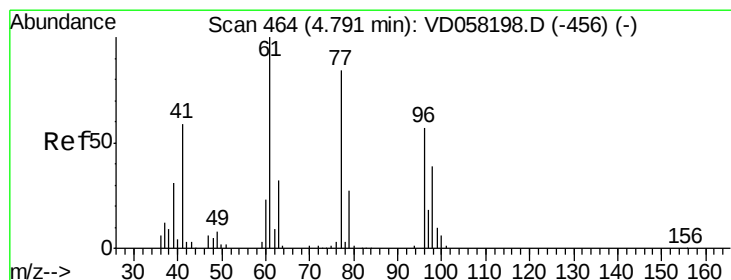
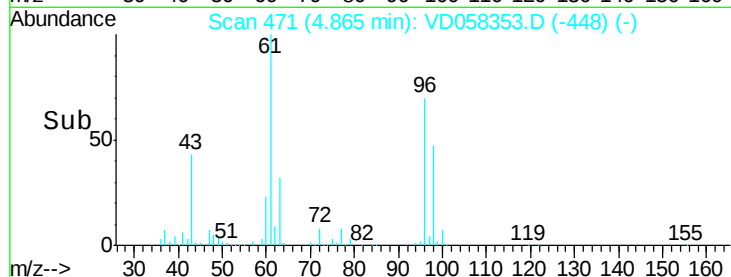
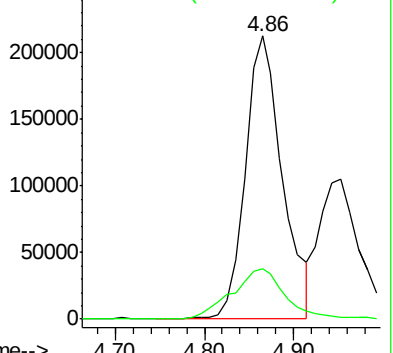
43 100

72 18.0 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: 41.74 ug/l

RT: 4.83 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD058353.D

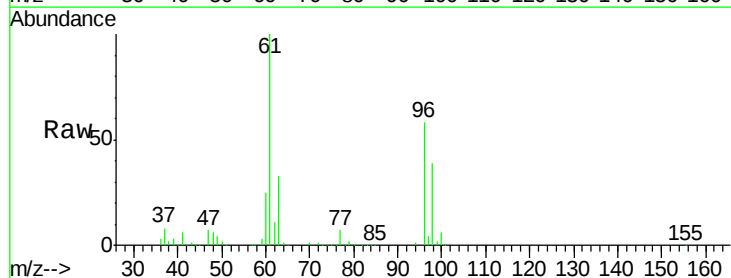
Acq: 23 Jun 2018 21:00

Tgt Ion: 77 Resp: 561415

Ion Ratio Lower Upper

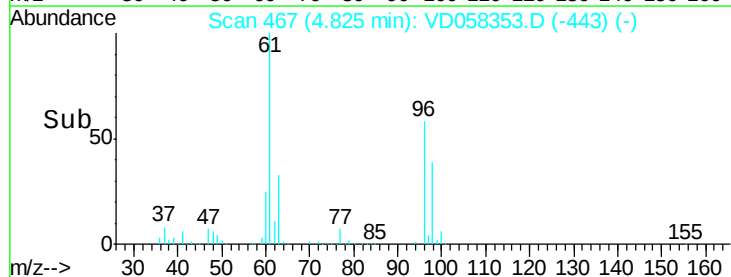
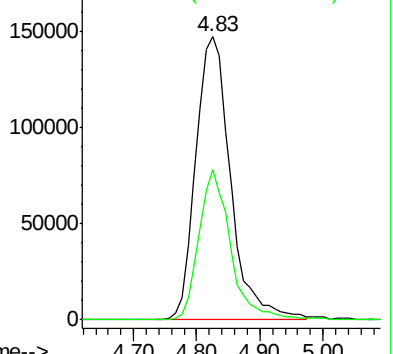
77 100

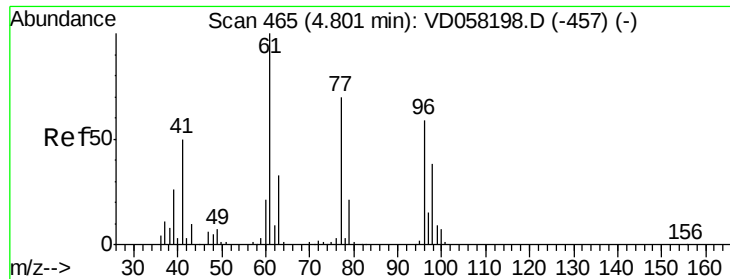
97 52.9 10.5 31.6#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



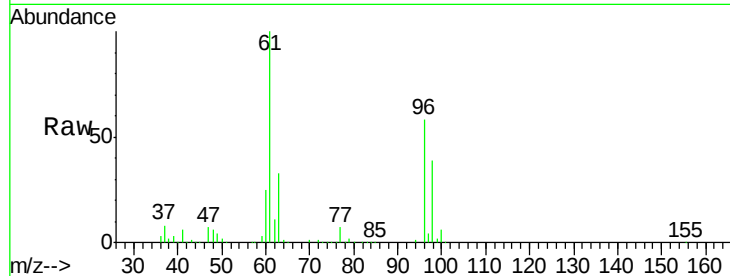


#27

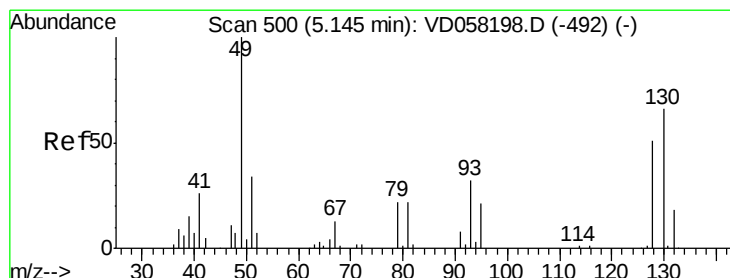
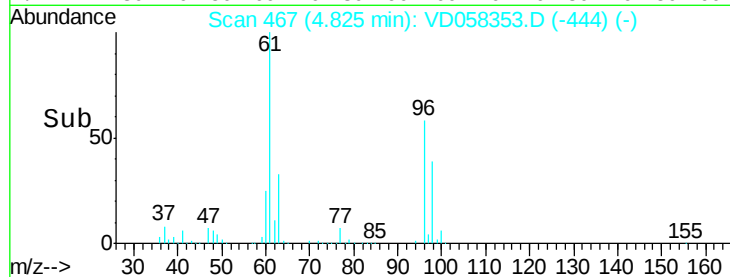
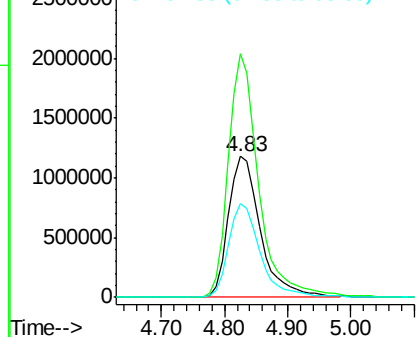
cis-1,2-Dichloroethene
Concen: 471.32 ug/l
RT: 4.83 min Scan# 467
Delta R.T. 0.02 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 4151779
Ion Ratio Lower Upper
96 100
61 172.7 0.0 338.6
98 66.9 0.0 130.2



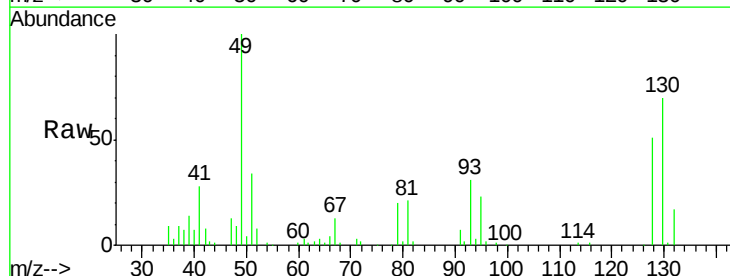
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



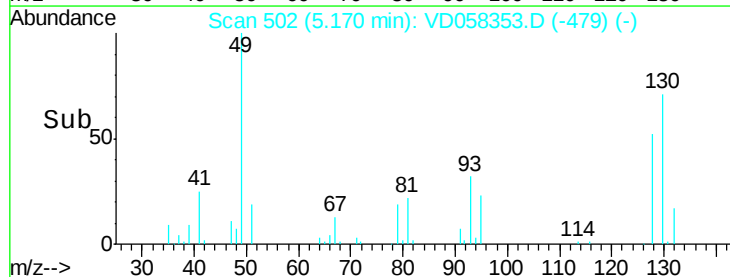
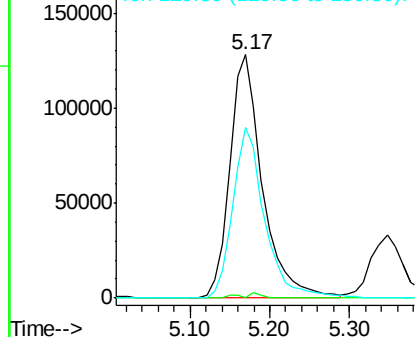
#28

Bromochloromethane
Concen: 50.79 ug/l
RT: 5.17 min Scan# 502
Delta R.T. 0.02 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Tgt Ion: 49 Resp: 365708
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 70.4 52.6 79.0



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

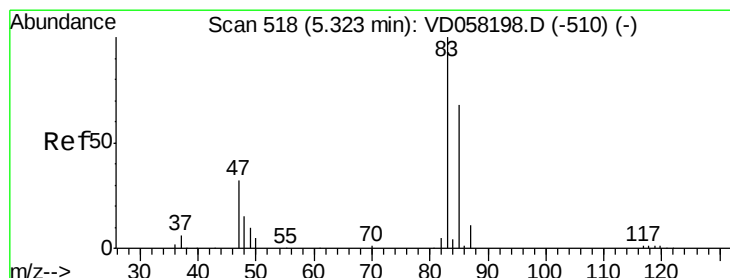
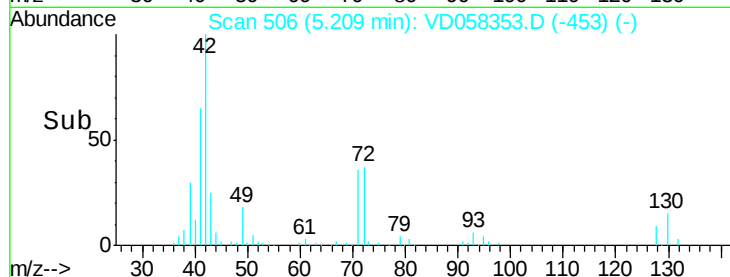
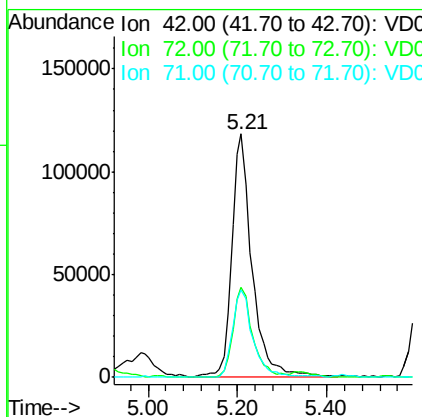
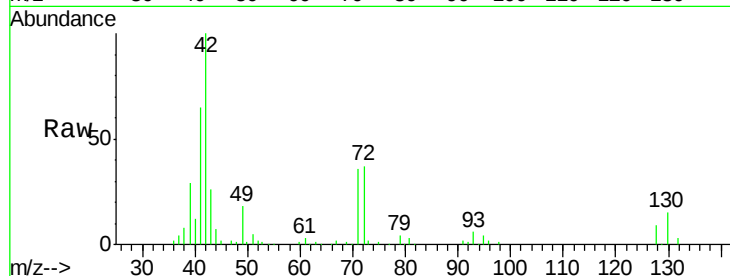




#29
Tetrahydrofuran
Concen: 246.73 ug/l
RT: 5.21 min Scan# 506
Delta R.T. 0.02 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

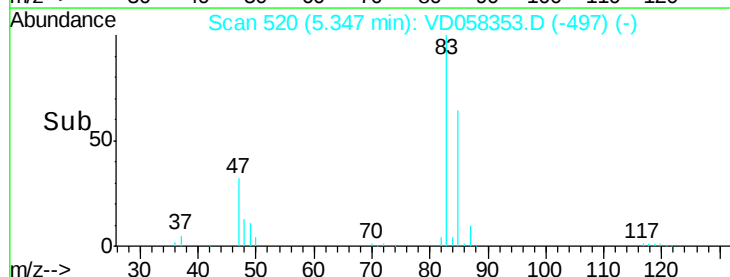
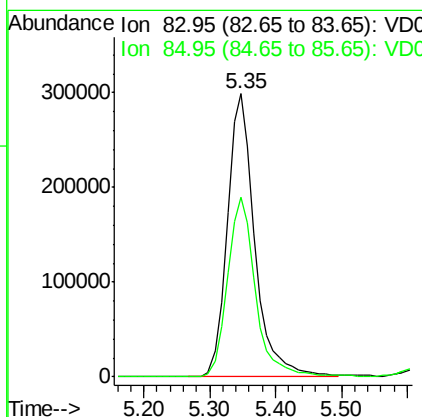
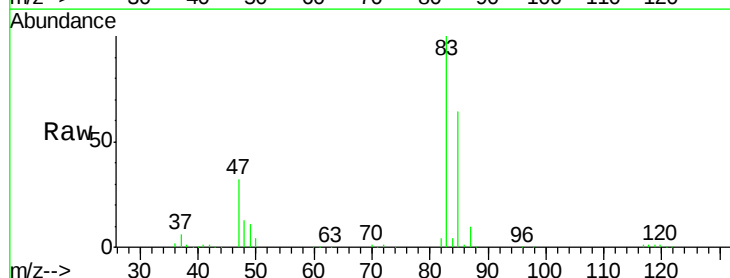
Instrument :
MSVOA_D
ClientSampleId :

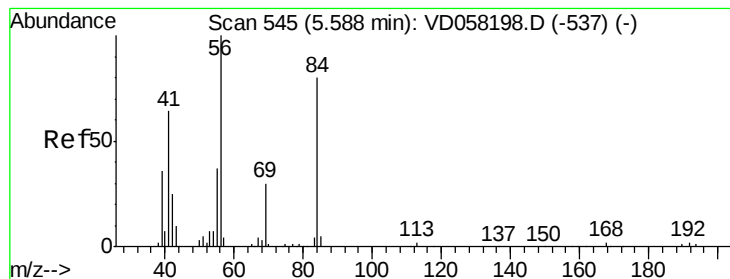
Tot Ion: 42 Resp: 371205
Ion Ratio Lower Upper
42 100
72 36.5 30.2 45.2
71 37.0 30.1 45.1



#30
Chloroform
Concen: 51.32 ug/l
RT: 5.35 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Tgt Ion: 83 Resp: 870359
Ion Ratio Lower Upper
83 100
85 63.7 54.8 82.2





#31

Cyclohexane

Concen: 51.85 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

ClientSampleId :

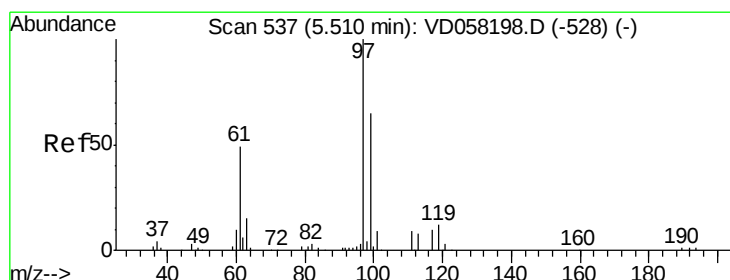
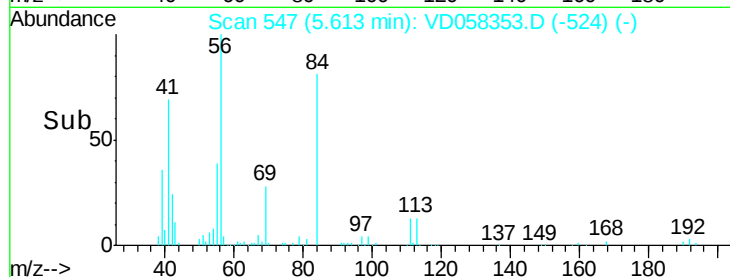
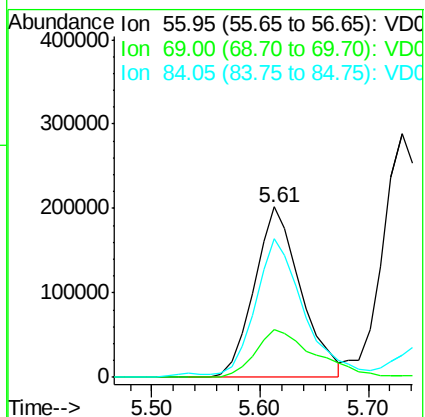
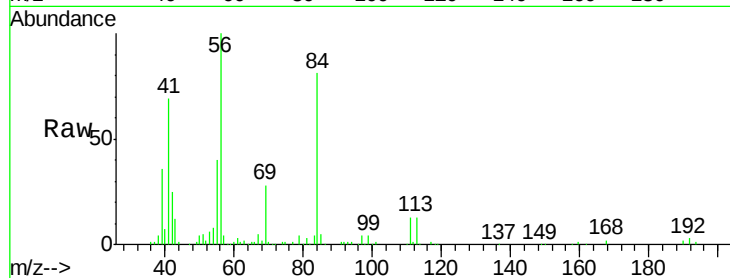
Tot Ion: 56 Resp: 602436

Ion Ratio Lower Upper

56 100

69 27.7 23.6 35.4

84 81.4 65.2 97.8



#32

1,1,1-Trichloroethane

Concen: 51.21 ug/l

RT: 5.53 min Scan# 539

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

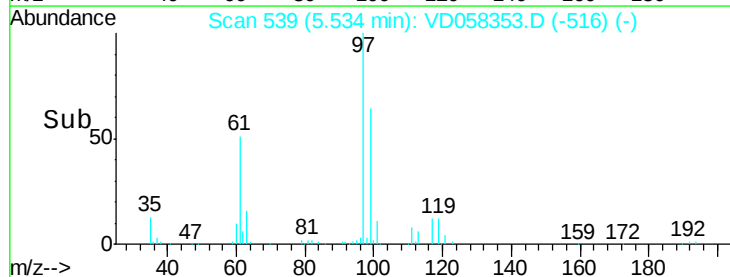
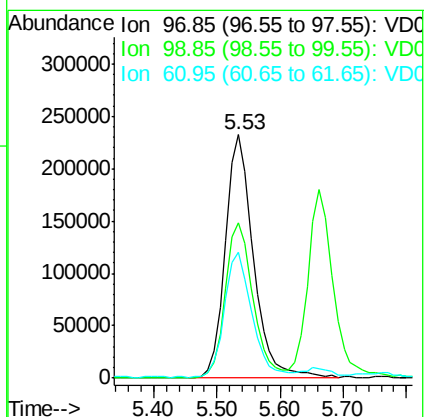
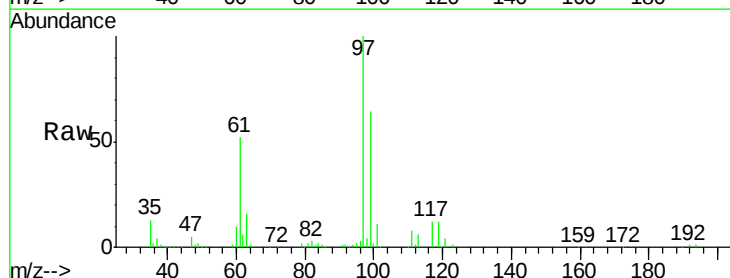
Tgt Ion: 97 Resp: 717557

Ion Ratio Lower Upper

97 100

99 64.0 52.2 78.4

61 51.5 39.0 58.4

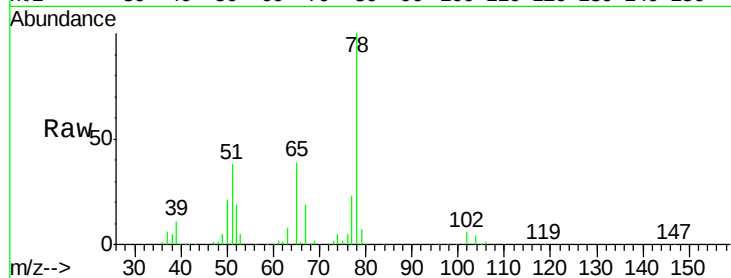




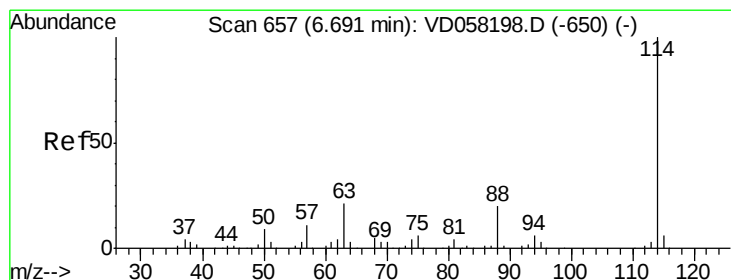
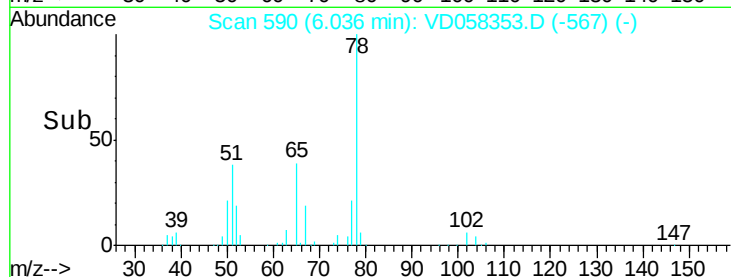
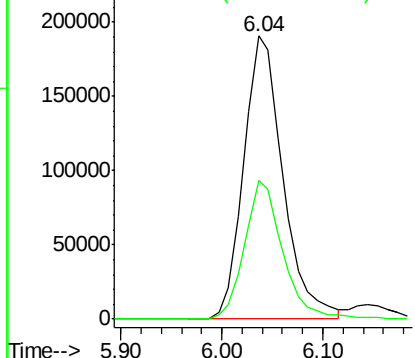
#33
 1,2-Dichloroethane-d4
 Concen: 51.21 ug/l
 RT: 6.04 min Scan# 590
 Delta R.T. 0.02 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 517050
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 97.8

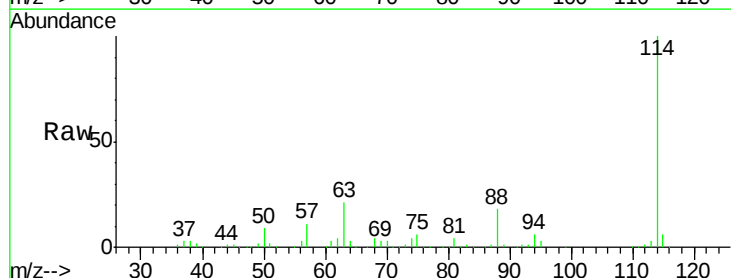


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

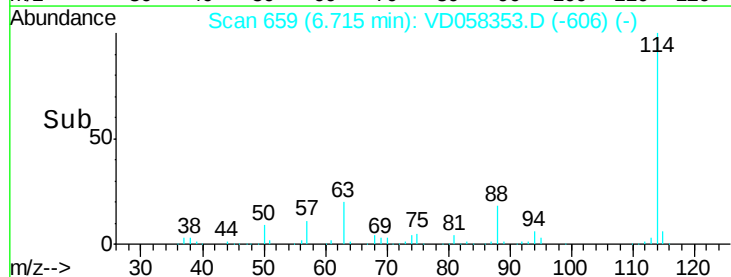
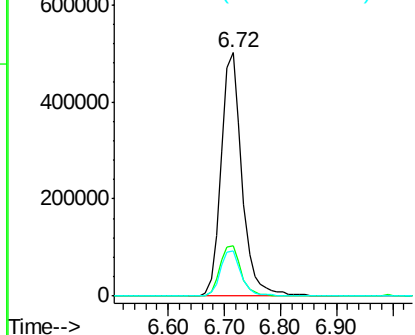


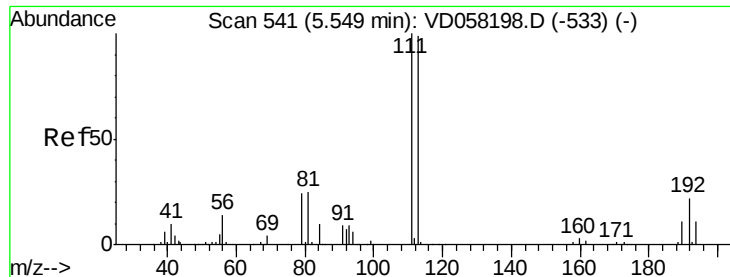
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.72 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

Tgt Ion: 114 Resp: 1296467
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 18.4 0.0 40.6



Abundance Ion 114.00 (113.70 to 114.70): VDC
 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. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :
MSVOA_D
ClientSampled :

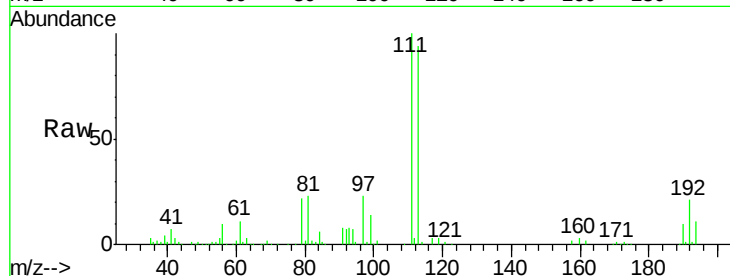
Tot Ion:113 Resp: 538288

Ion Ratio Lower Upper

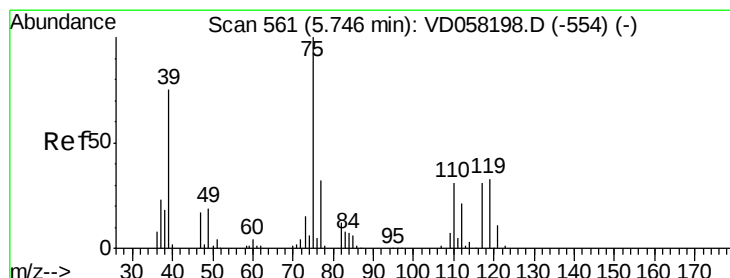
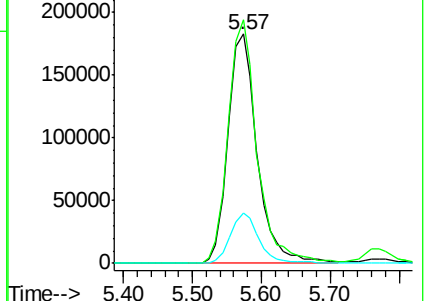
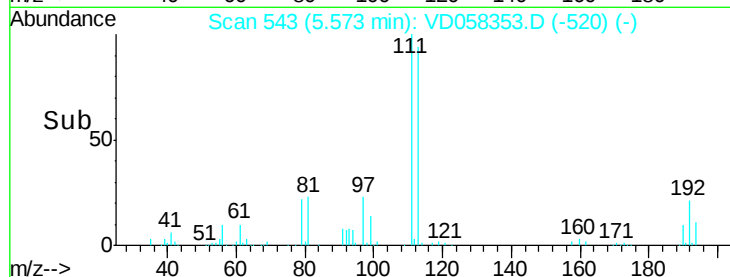
113 100

111 106.2 80.6 121.0

192 22.0 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: 45.19 ug/l

RT: 5.77 min Scan# 563

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

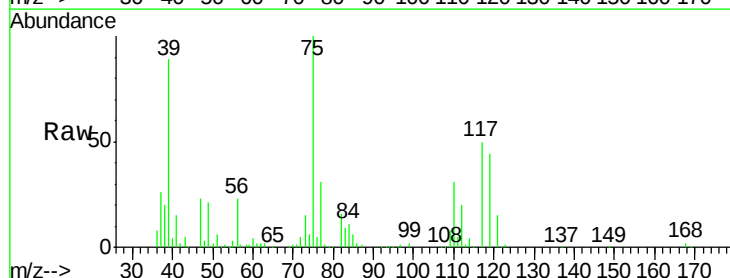
Tgt Ion: 75 Resp: 579550

Ion Ratio Lower Upper

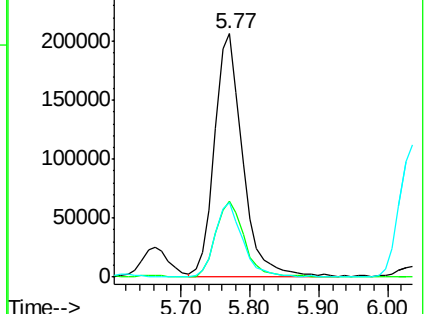
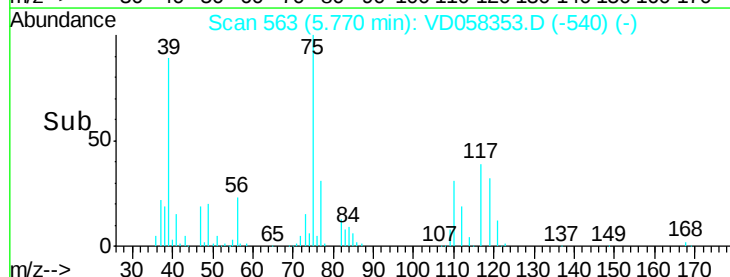
75 100

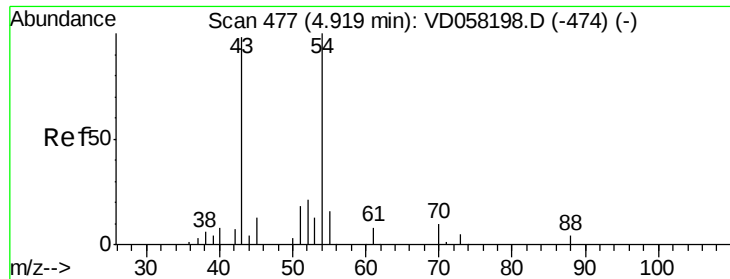
110 31.0 15.4 46.4

77 30.5 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

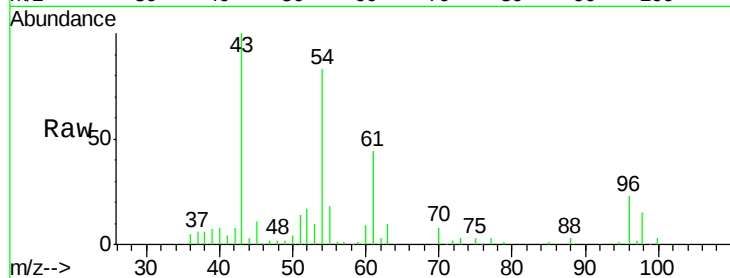




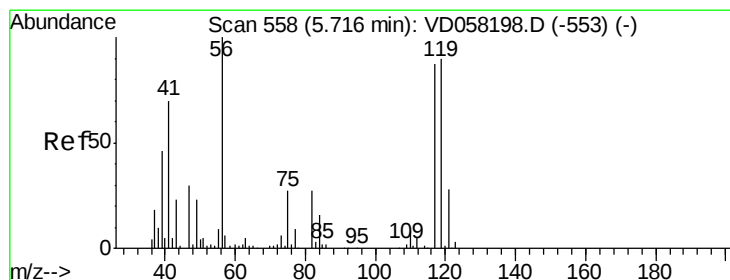
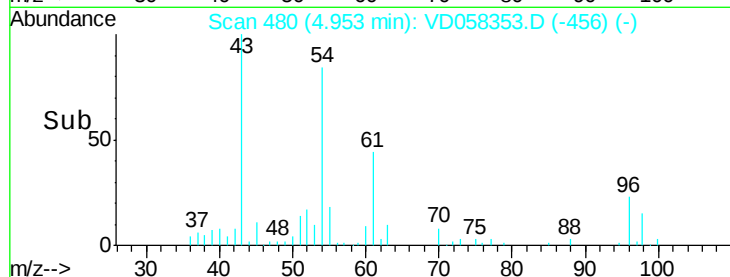
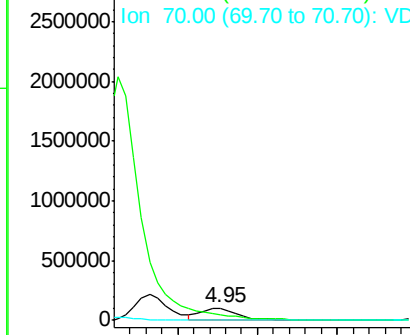
#37
Ethyl Acetate
Concen: 46.56 ug/l
RT: 4.95 min Scan# 480
Delta R.T. 0.03 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 340220
Ion Ratio Lower Upper
43 100
61 44.2 10.3 15.5#
70 8.0 5.7 8.5

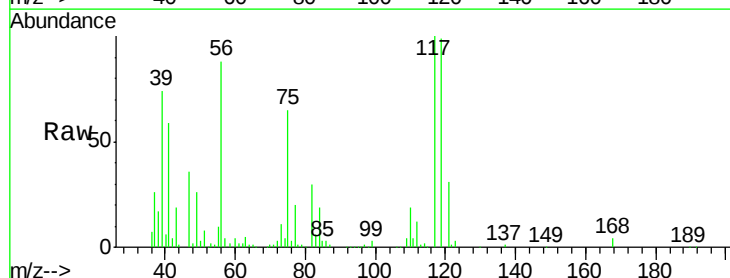


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

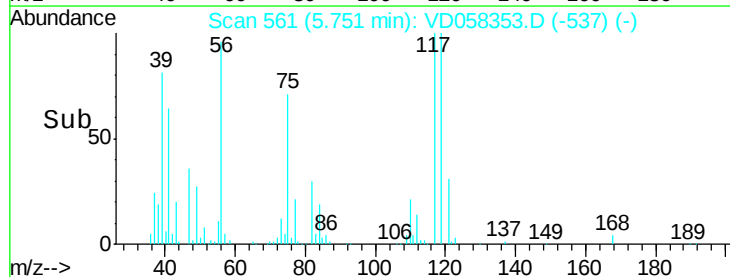
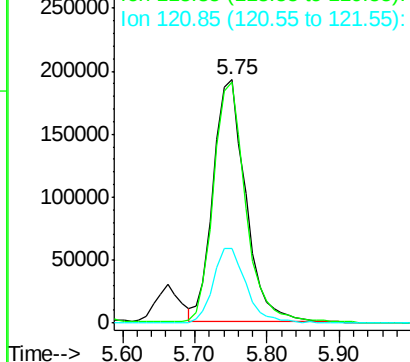


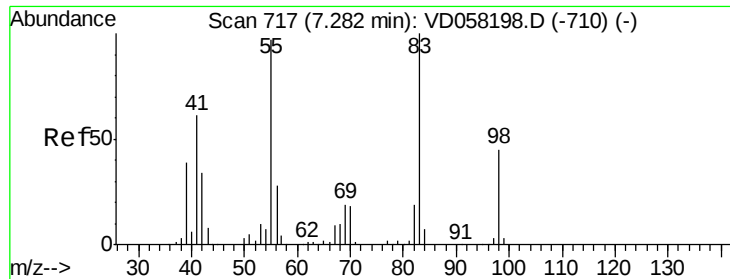
#38
Carbon Tetrachloride
Concen: 47.11 ug/l
RT: 5.75 min Scan# 561
Delta R.T. 0.03 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Tgt Ion: 117 Resp: 600387
Ion Ratio Lower Upper
117 100
119 99.1 78.8 118.2
121 30.8 25.0 37.6



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

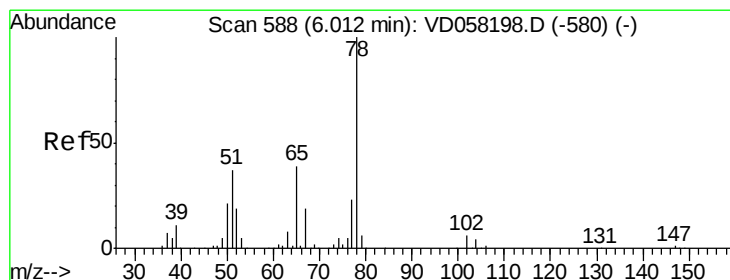
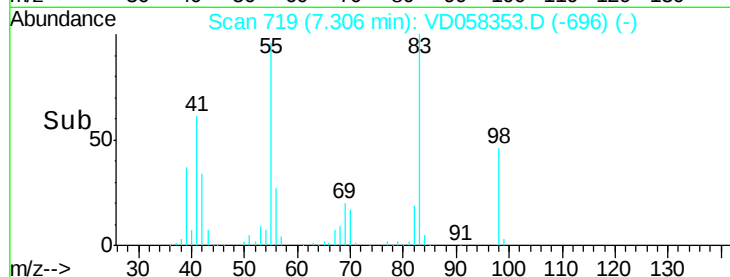
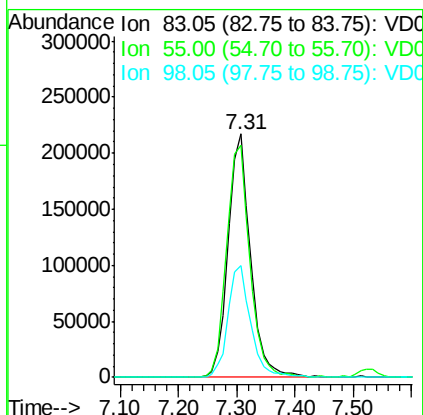
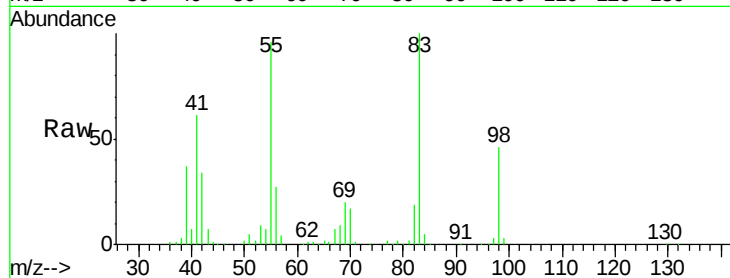




#39
Methvlcvclohexane
Concen: 46.44 ug/l
RT: 7.31 min Scan# 719
Delta R.T. 0.02 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

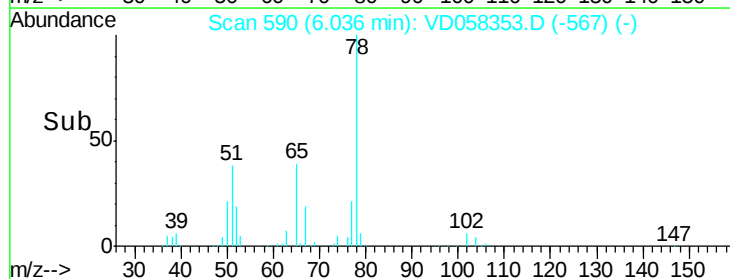
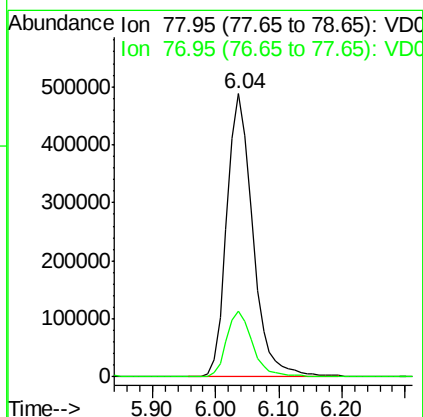
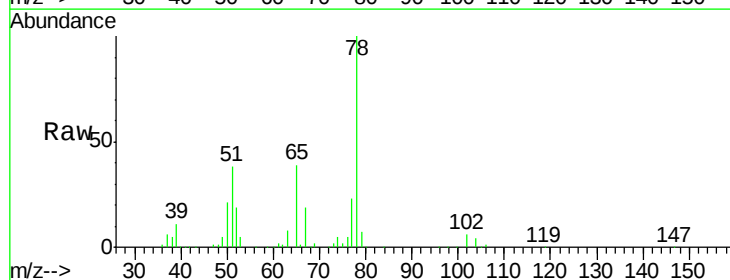
Instrument :
MSVOA_D
ClientSampleId :

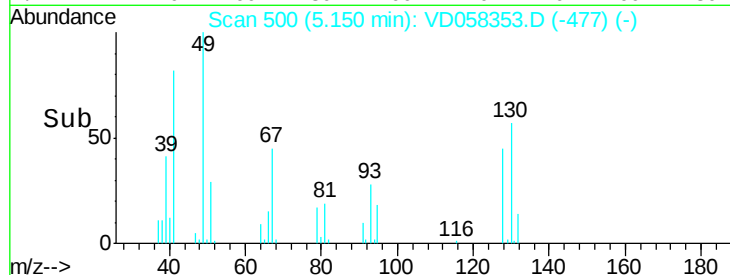
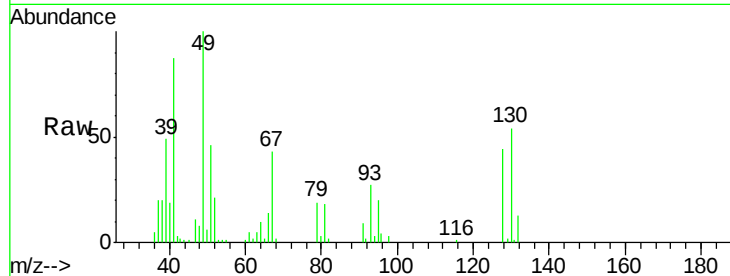
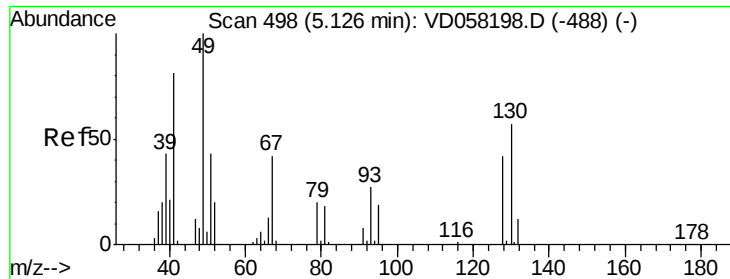
Tot Ion: 83 Resp: 580157
Ion Ratio Lower Upper
83 100
55 95.6 77.4 116.2
98 46.1 35.9 53.9



#40
Benzene
Concen: 45.72 ug/l
RT: 6.04 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

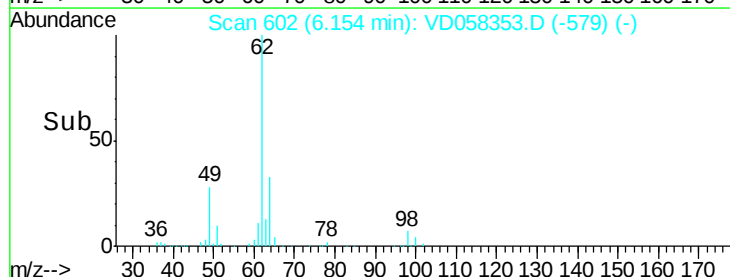
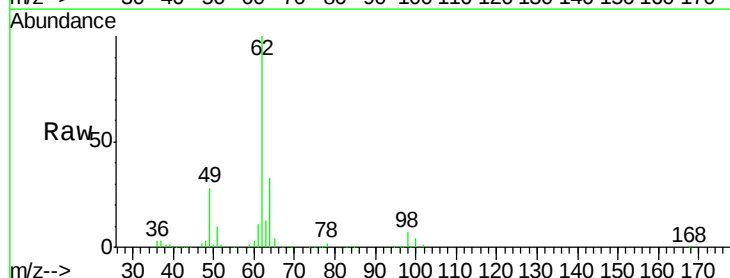
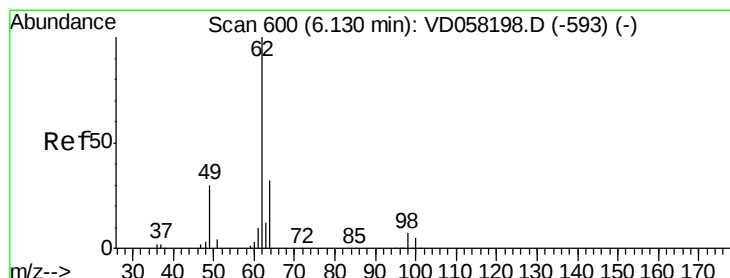
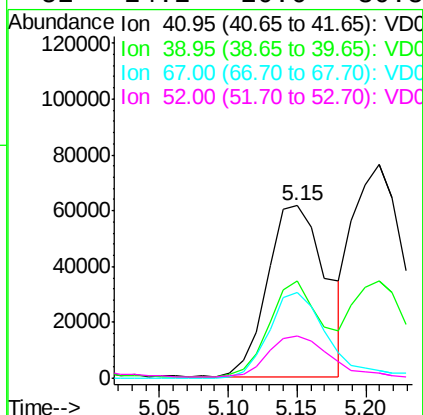
Tgt Ion: 78 Resp: 1396878
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7





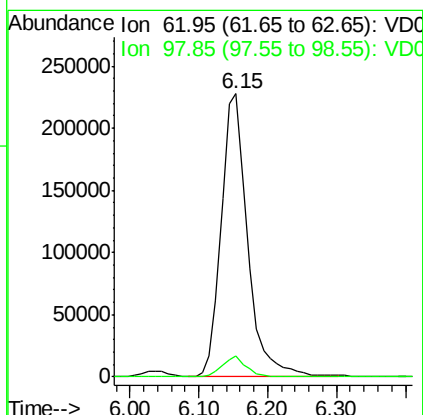
#41
Methacrylonitrile
Concen: 51.27 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.02 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

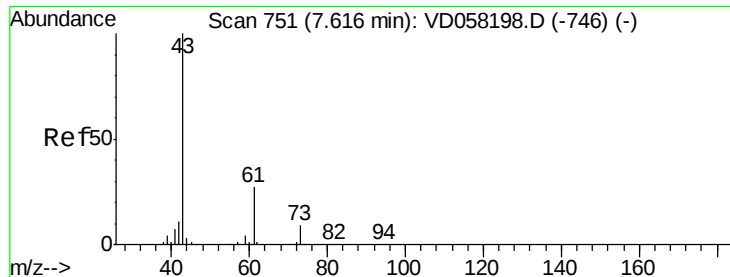
Tot Ion: 41 Resp: 180905
Ion Ratio Lower Upper
41 100
39 56.5 43.4 65.2
67 49.8 41.7 62.5
52 24.2 20.6 30.8



#42
1,2-Dichloroethane
Concen: 48.80 ug/l
RT: 6.15 min Scan# 602
Delta R.T. 0.02 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Tgt Ion: 62 Resp: 601225
Ion Ratio Lower Upper
62 100
98 7.3 0.0 13.2





#43

Isopropyl Acetate

Concen: 41.84 ug/l

RT: 7.64 min Scan# 753

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

ClientSampleId :

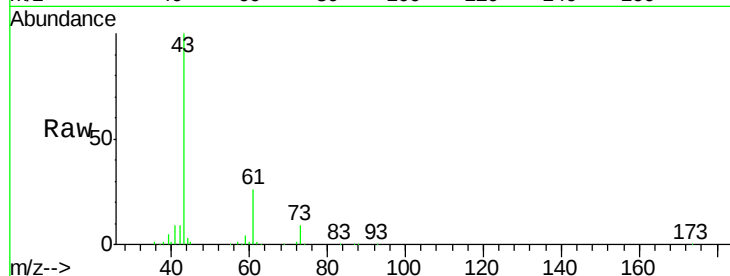
Tot Ion: 43 Resp: 407624

Ion Ratio Lower Upper

43 100

61 26.2 21.8 32.6

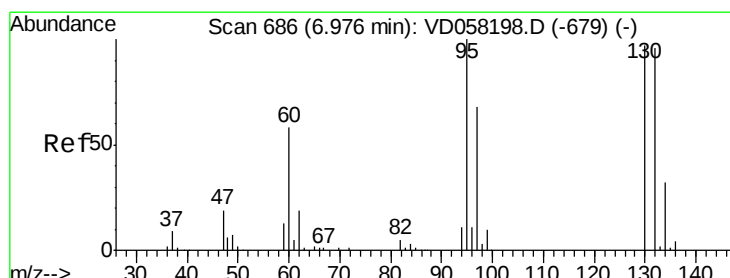
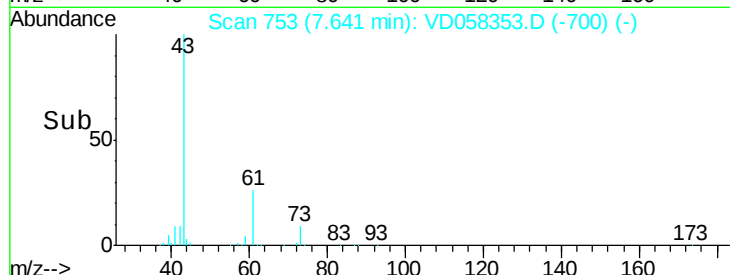
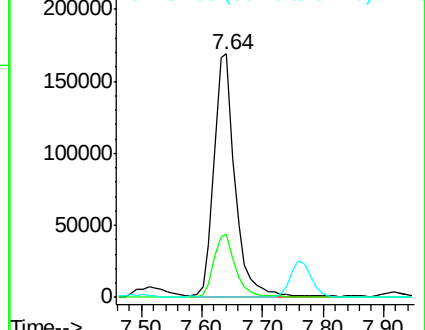
87 0.2 0.3 0.5#



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: 158.04 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.02 min

Lab File: VD058353.D

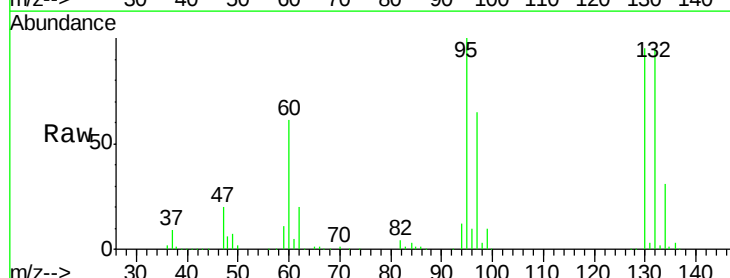
Acq: 23 Jun 2018 21:00

Tgt Ion:130 Resp: 1449859

Ion Ratio Lower Upper

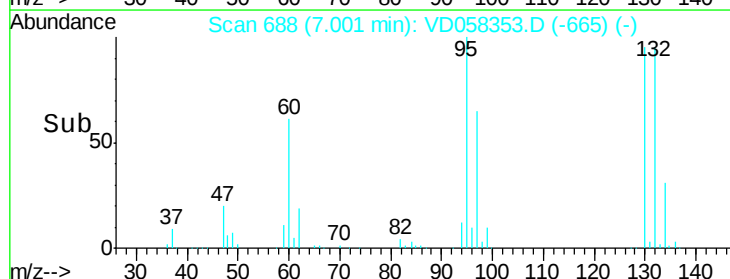
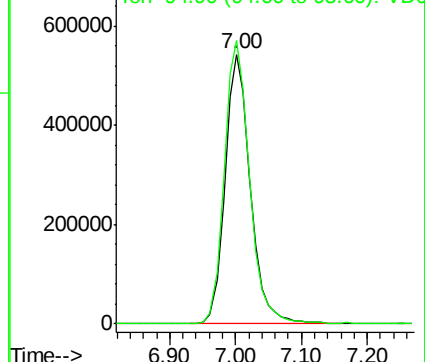
130 100

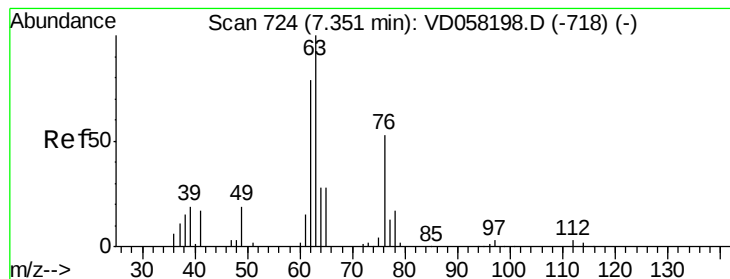
95 104.9 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.93 ug/l

RT: 7.37 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

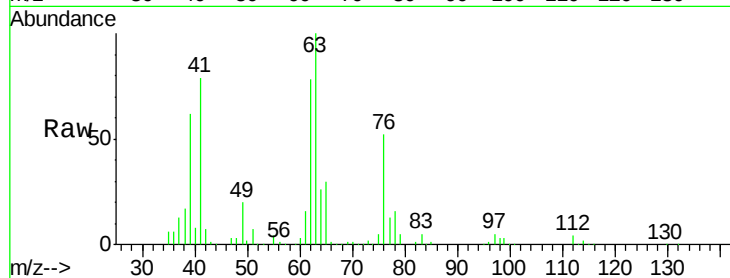
ClientSampleId :

Tot Ion: 63 Resp: 410854

Ion Ratio Lower Upper

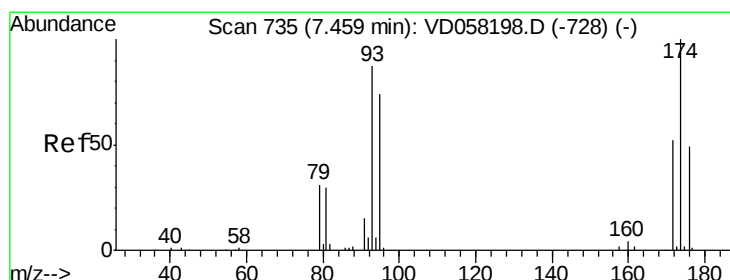
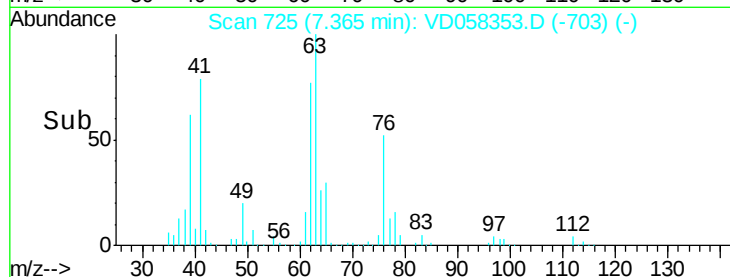
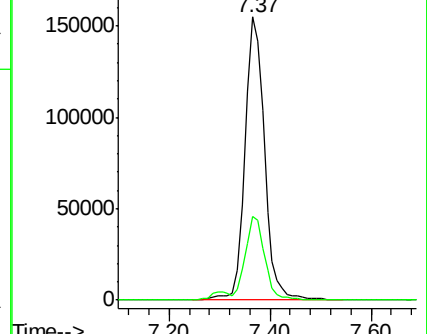
63 100

65 29.7 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: 47.72 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

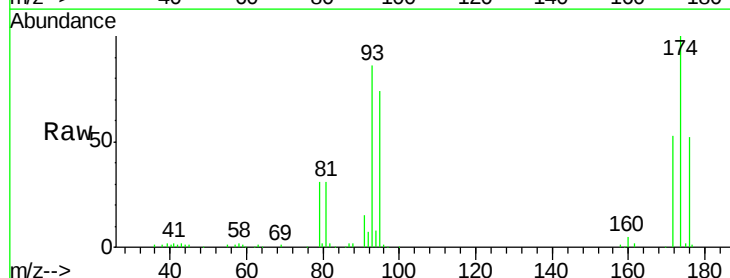
Tgt Ion: 93 Resp: 268014

Ion Ratio Lower Upper

93 100

95 86.7 67.8 101.6

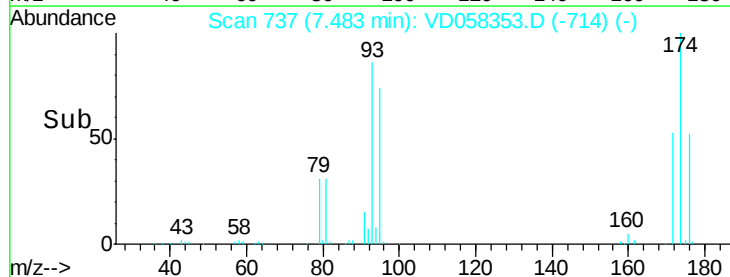
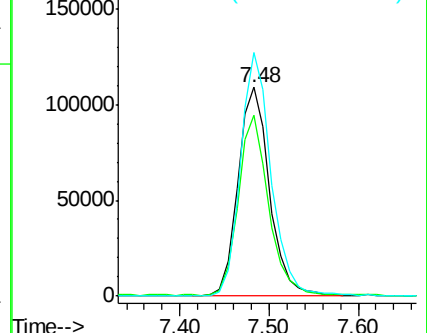
174 116.7 92.2 138.2

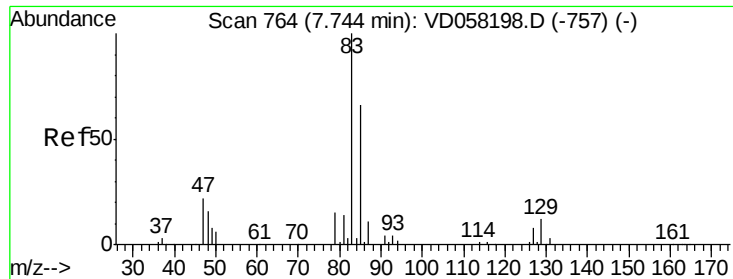


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 50.31 ug/l

RT: 7.76 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

ClientSampleId :

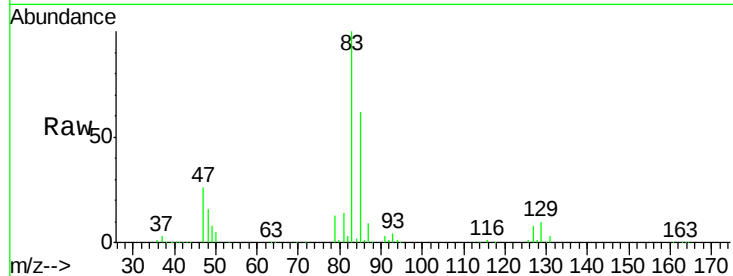
Tot Ion: 83 Resp: 644403

Ion Ratio Lower Upper

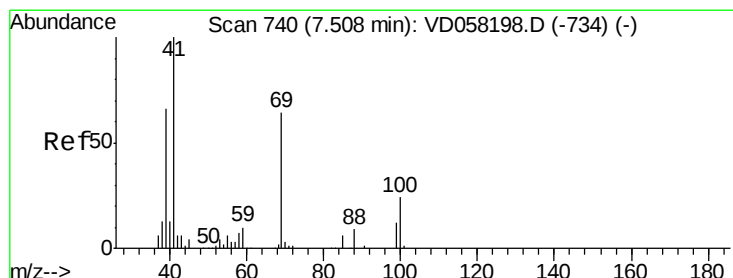
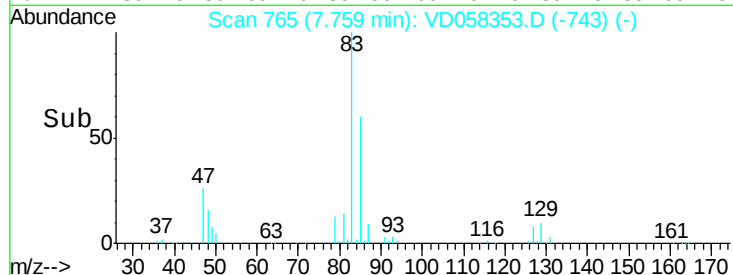
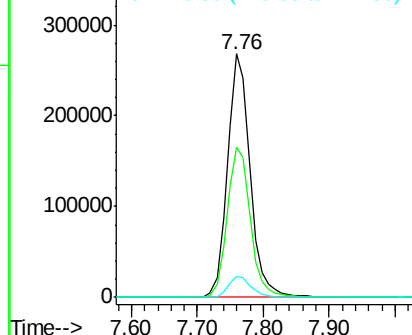
83 100

85 61.9 52.6 78.8

127 8.4 6.2 9.4



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



#48

Methyl methacrylate

Concen: 49.30 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

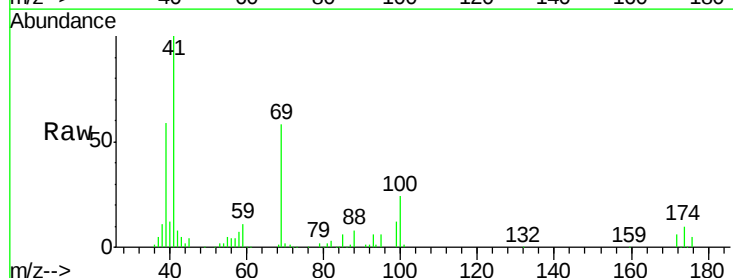
Tgt Ion: 41 Resp: 291926

Ion Ratio Lower Upper

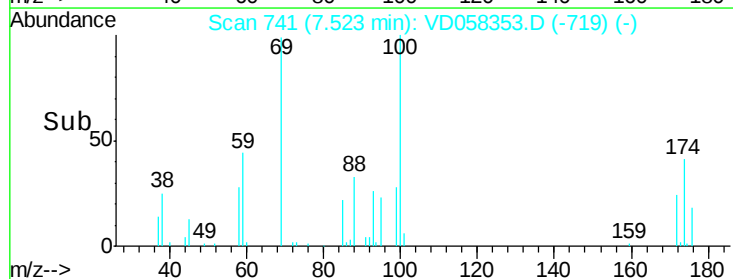
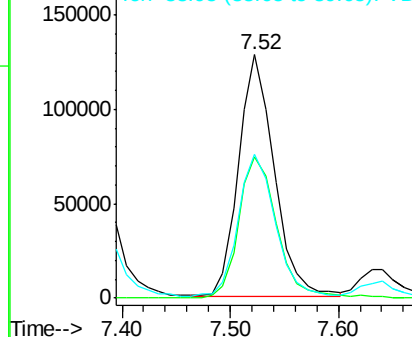
41 100

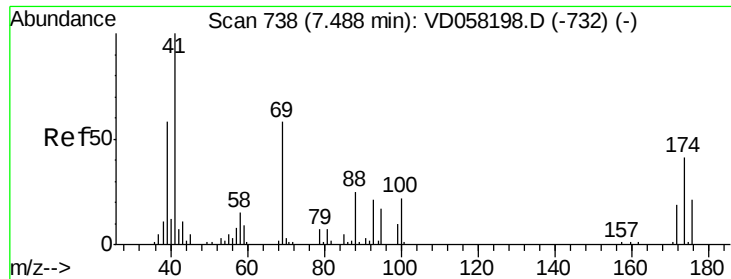
69 58.0 50.7 76.1

39 59.1 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

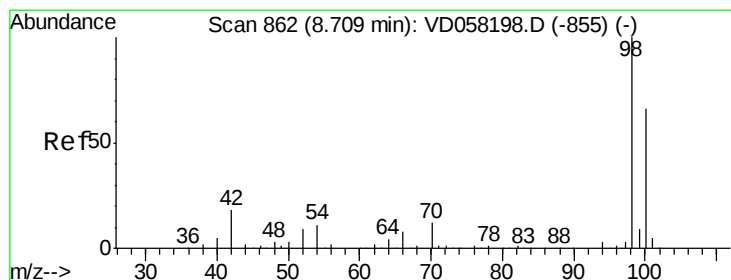
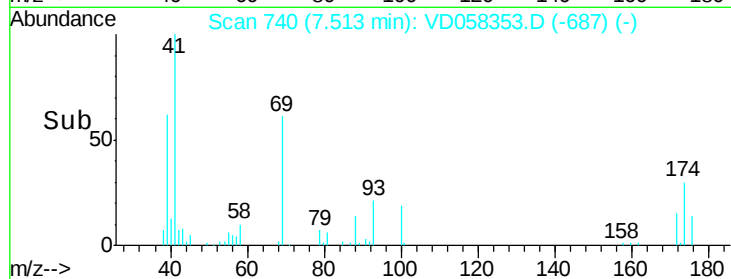
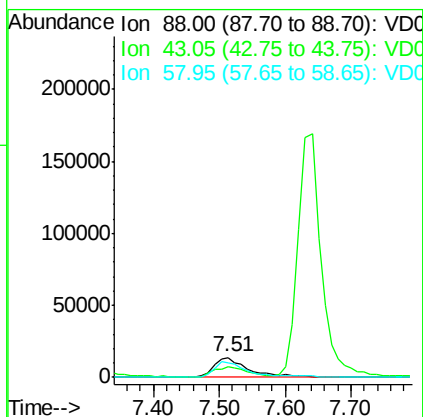
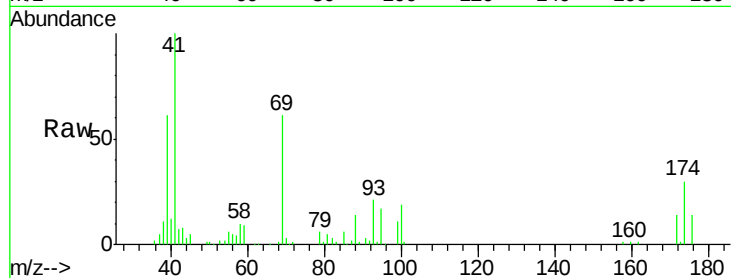




#49
1,4-Dioxane
Concen: 944.87 ug/l
RT: 7.51 min Scan# 740
Delta R.T. 0.02 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

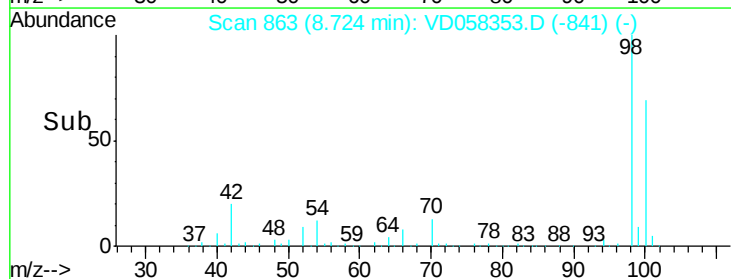
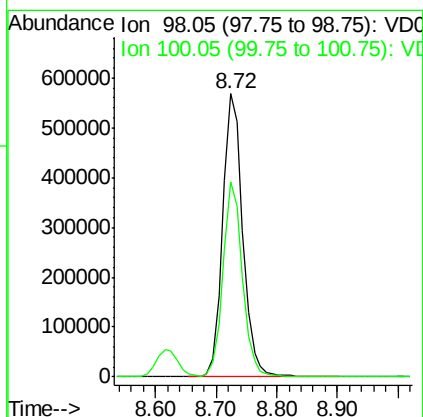
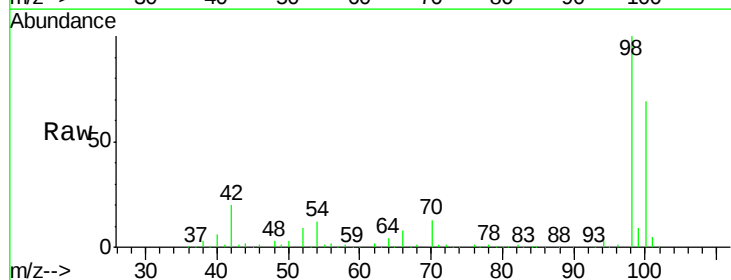
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 50502
Ion Ratio Lower Upper
88 100
43 55.0 34.2 51.2#
58 75.3 47.9 71.9#



#50
Toluene-d8
Concen: 944.87 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Tgt Ion: 98 Resp: 1304935
Ion Ratio Lower Upper
98 100
100 69.1 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 237.16 ug/l

RT: 8.62 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

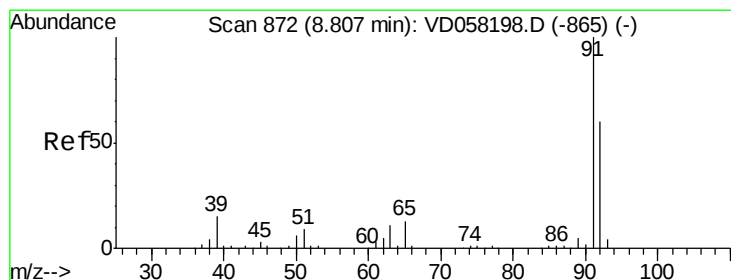
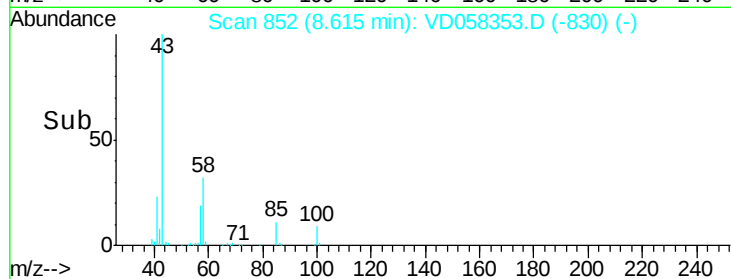
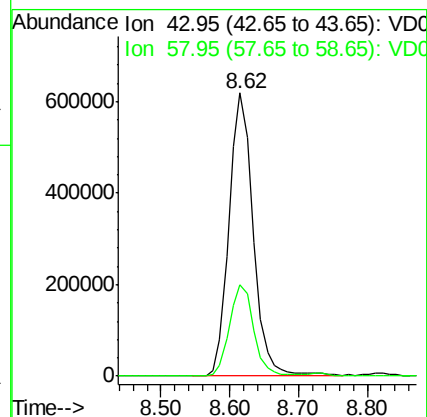
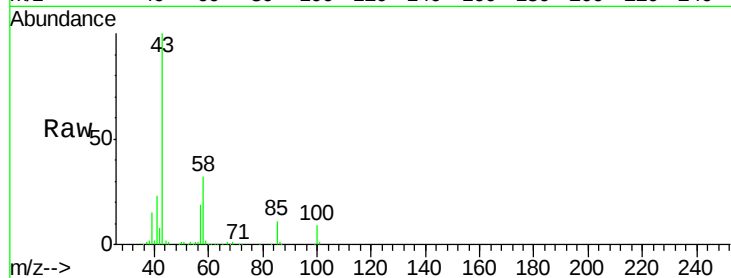
ClientSampleId :

Tot Ion: 43 Resp: 1507095

Ion Ratio Lower Upper

43 100

58 32.4 26.7 40.1



#52

Toluene

Concen: 48.01 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058353.D

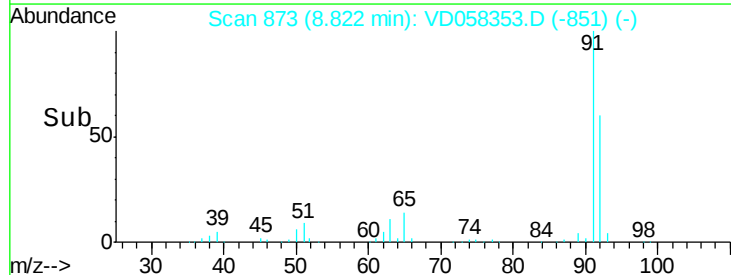
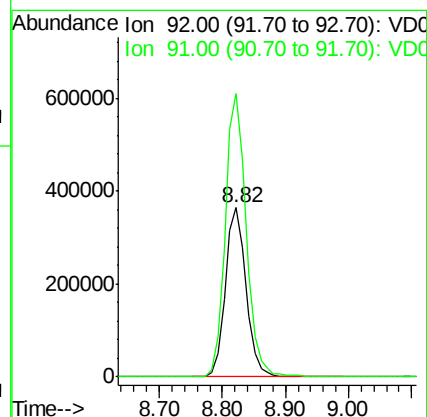
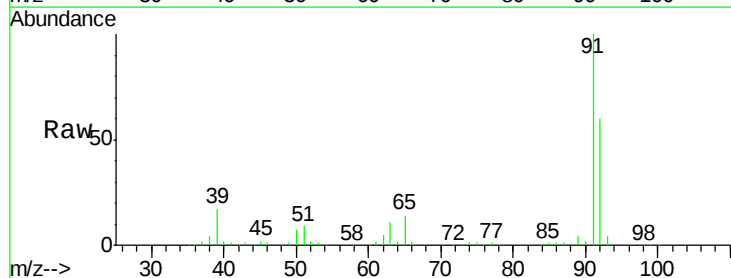
Acq: 23 Jun 2018 21:00

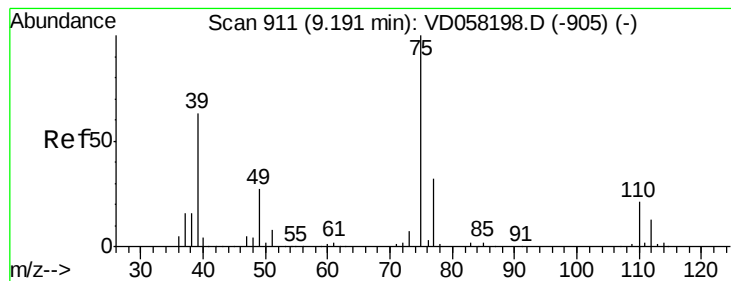
Tgt Ion: 92 Resp: 835232

Ion Ratio Lower Upper

92 100

91 167.6 133.2 199.8





#53

t-1,3-Dichloropropene

Concen: 48.60 ug/l

RT: 9.21 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

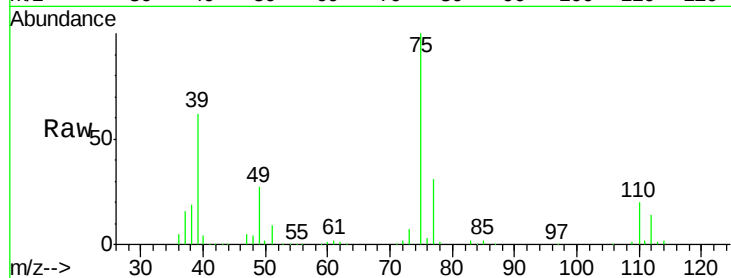
ClientSampleId :

Tot Ion: 75 Resp: 541240

Ion Ratio Lower Upper

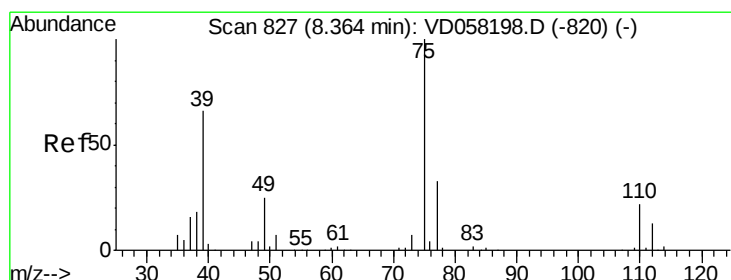
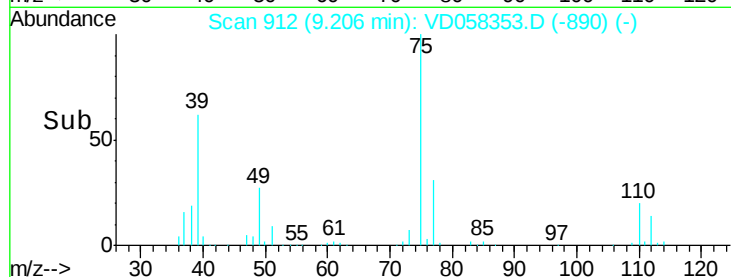
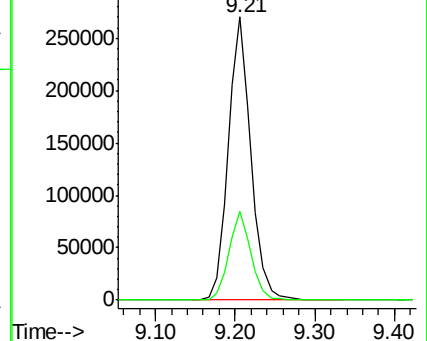
75 100

77 31.2 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: 47.56 ug/l

RT: 8.38 min Scan# 828

Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

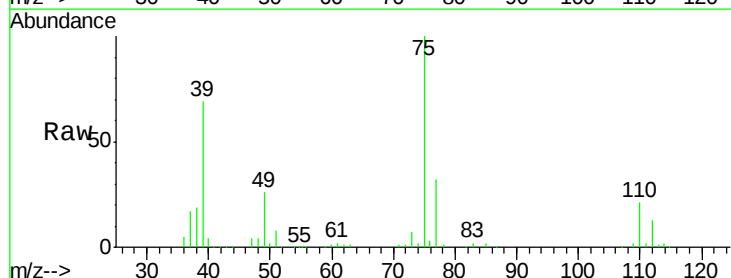
Tgt Ion: 75 Resp: 620871

Ion Ratio Lower Upper

75 100

77 31.9 26.5 39.7

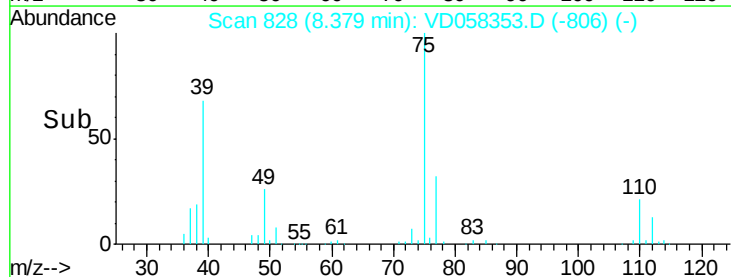
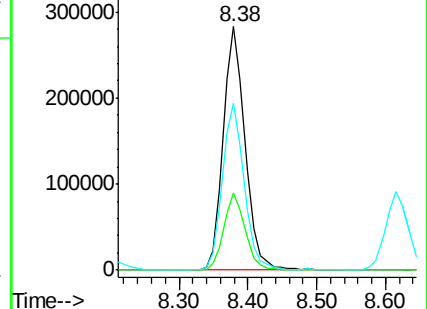
39 68.6 52.9 79.3

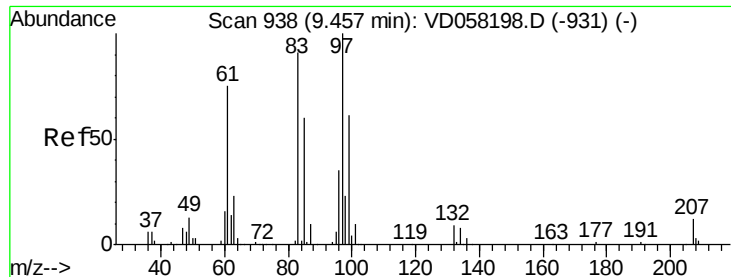


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 48.59 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 299066

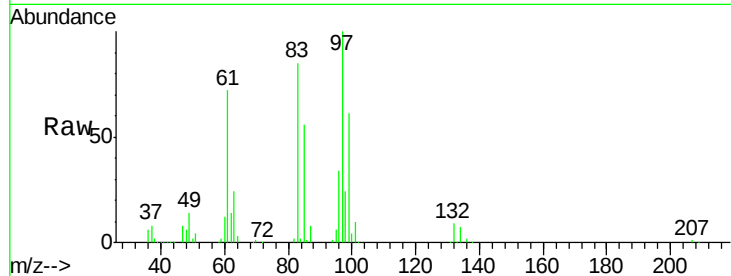
Ion Ratio Lower Upper

97 100

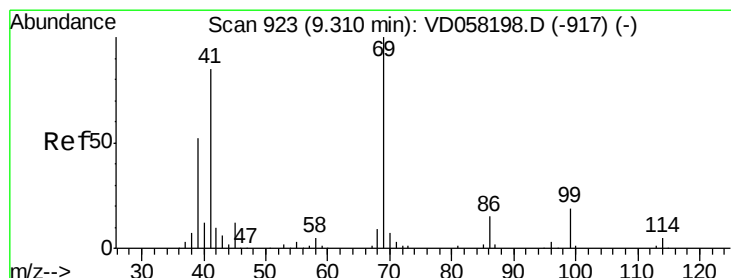
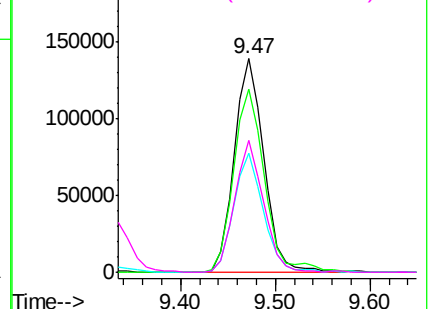
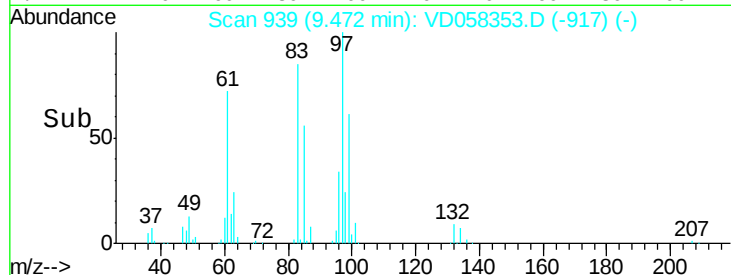
83 85.4 72.9 109.3

85 55.8 48.2 72.4

99 61.5 48.9 73.3



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



#56

Ethyl methacrylate

Concen: 46.68 ug/l

RT: 9.33 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

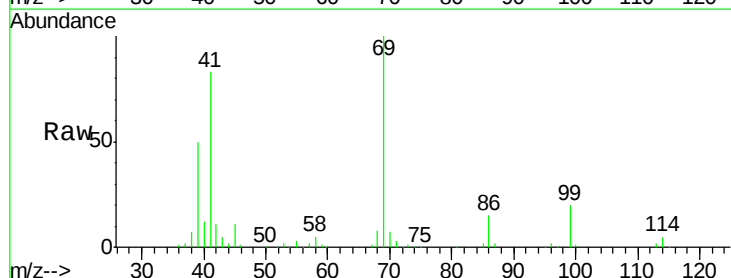
Tgt Ion: 69 Resp: 343594

Ion Ratio Lower Upper

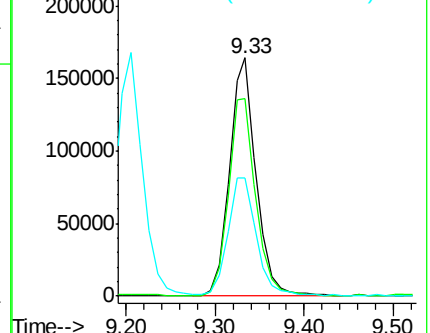
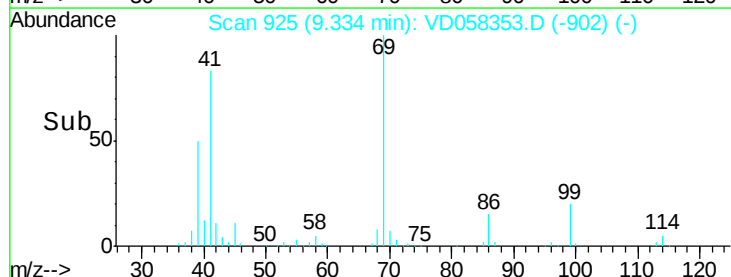
69 100

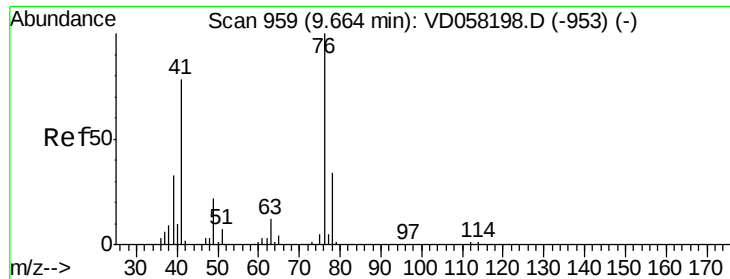
41 82.9 67.6 101.4

39 49.8 42.2 63.2



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

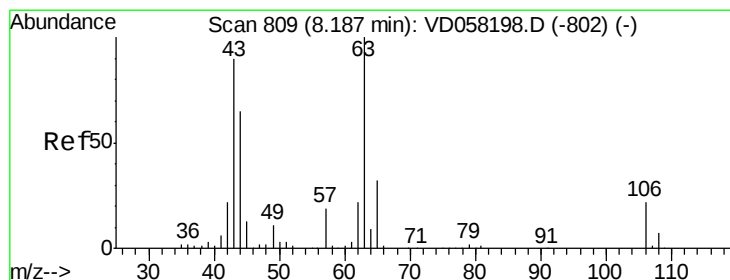
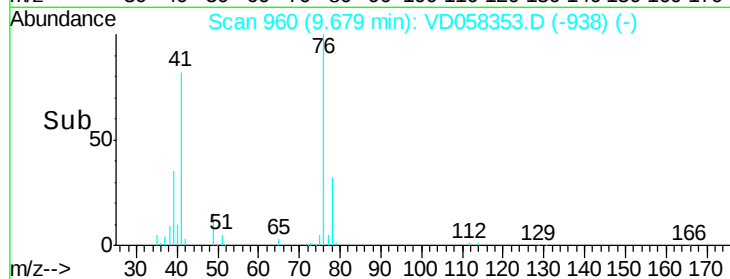
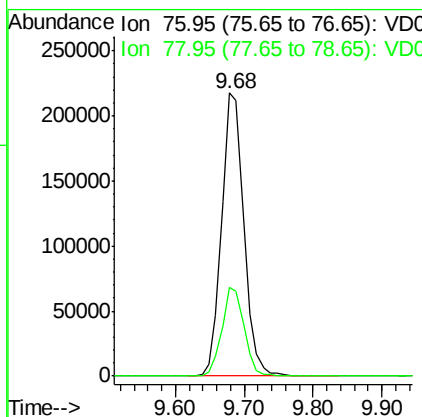
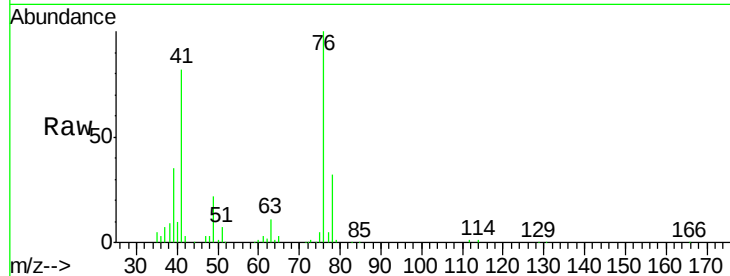




#57
 1,3-Dichloropropane
 Concen: 46.89 ug/l
 RT: 9.68 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

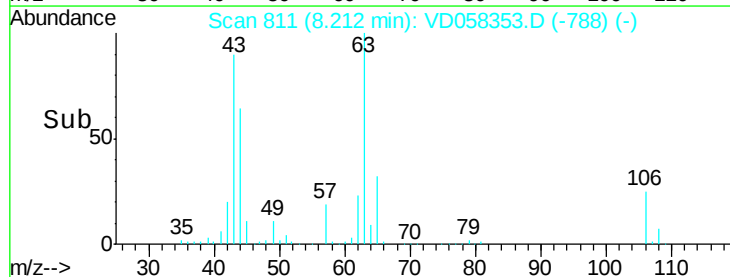
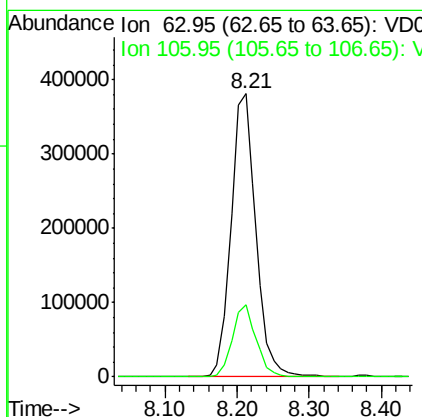
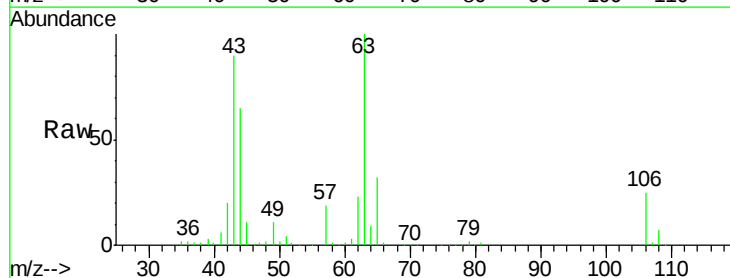
Instrument :
 MSVOA_D
 ClientSampleId :

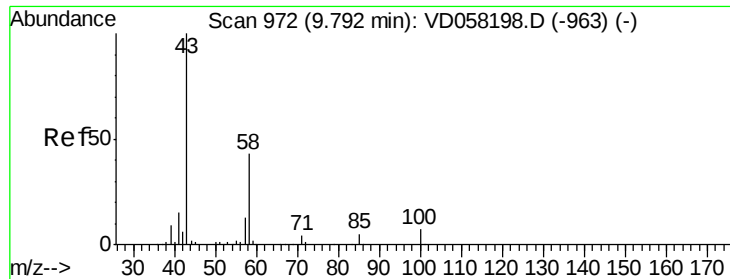
Tot Ion: 76 Resp: 486111
 Ion Ratio Lower Upper
 76 100
 78 31.5 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.85 ug/l
 RT: 8.21 min Scan# 811
 Delta R.T. 0.02 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

Tgt Ion: 63 Resp: 914091
 Ion Ratio Lower Upper
 63 100
 106 25.4 18.0 27.0

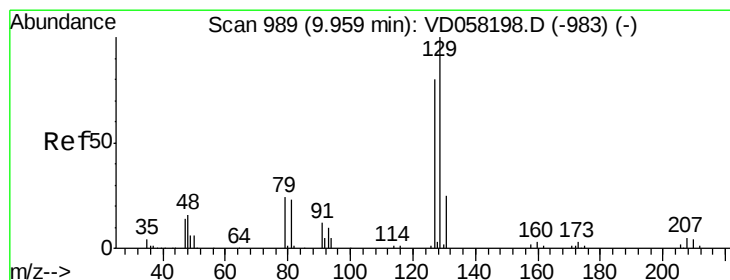
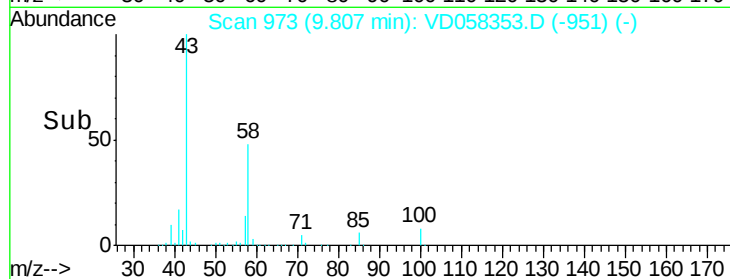
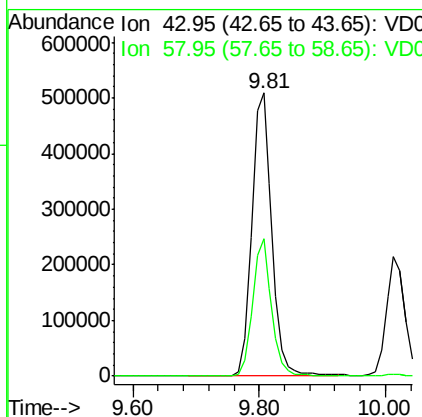
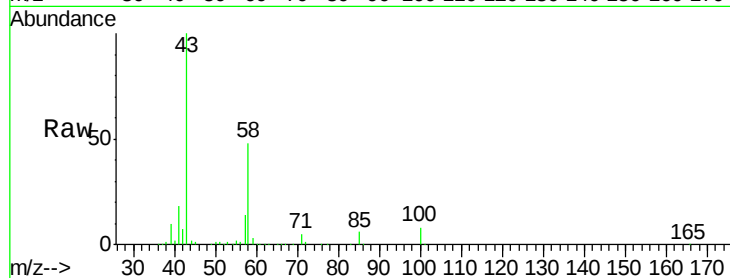




#59
2-Hexanone
Concen: 245.41 ug/l
RT: 9.81 min Scan# 973
Delta R.T. 0.01 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

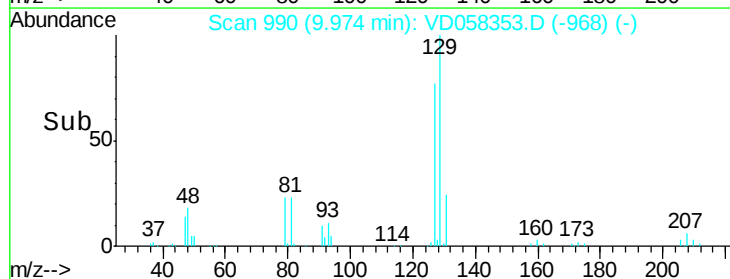
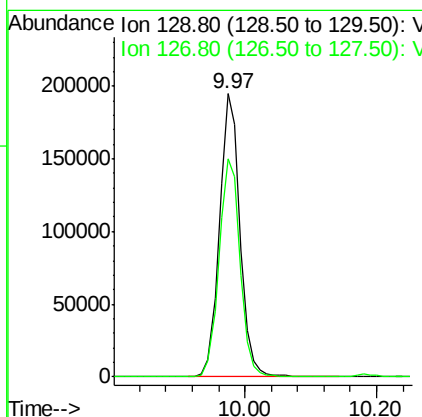
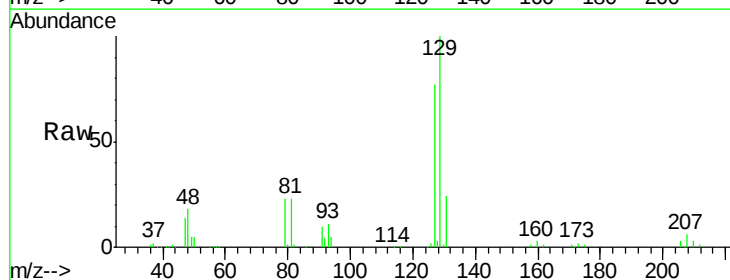
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1126853
Ion Ratio Lower Upper
43 100
58 48.5 21.7 65.1



#60
Dibromochloromethane
Concen: 50.30 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Tgt Ion: 129 Resp: 420110
Ion Ratio Lower Upper
129 100
127 77.0 39.8 119.4





#61

1,2-Dibromoethane

Concen: 47.40 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

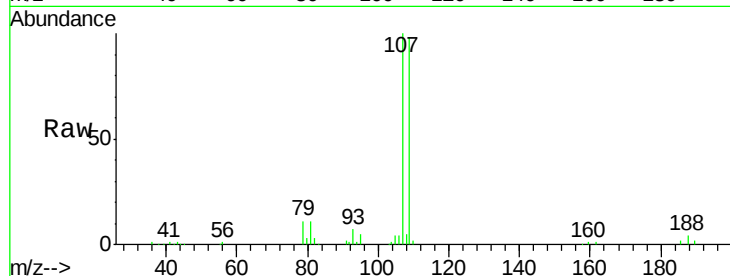
ClientSampleId :

Tot Ion:107 Resp: 319306

Ion Ratio Lower Upper

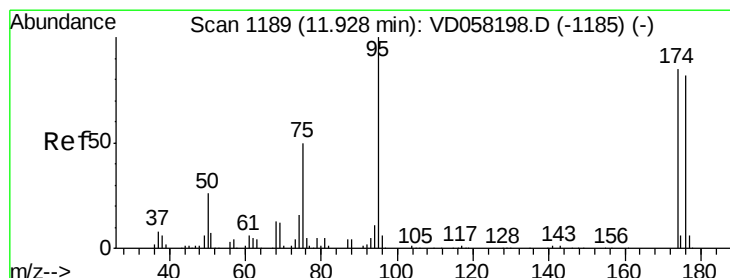
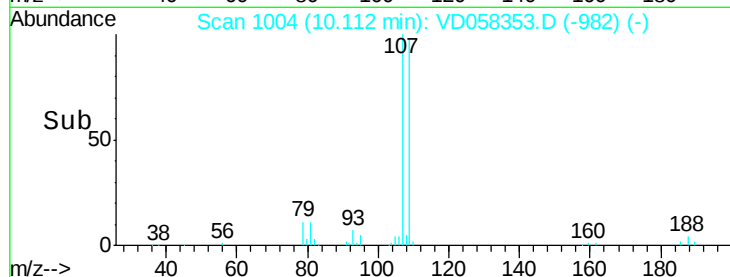
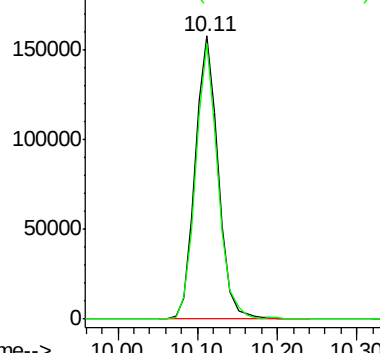
107 100

109 97.6 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: 47.40 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

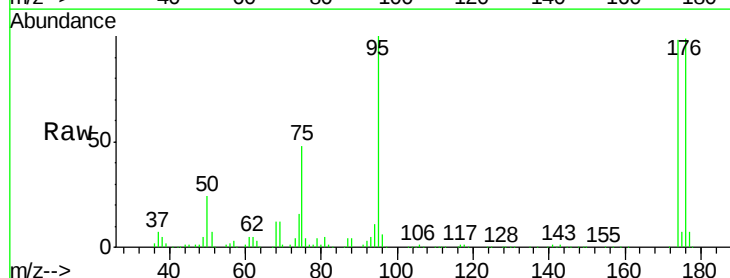
Tgt Ion: 95 Resp: 513614

Ion Ratio Lower Upper

95 100

174 98.3 0.0 170.2

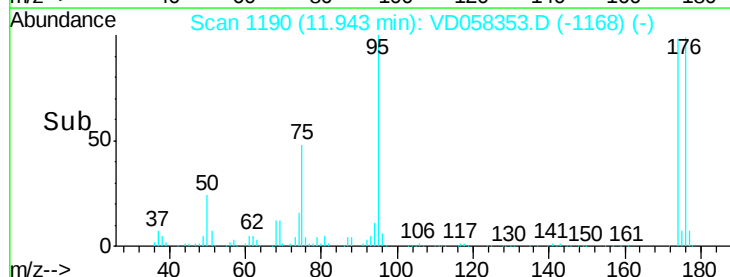
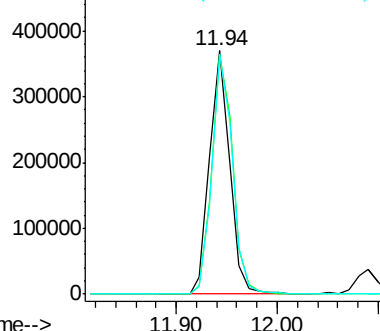
176 98.6 0.0 164.6

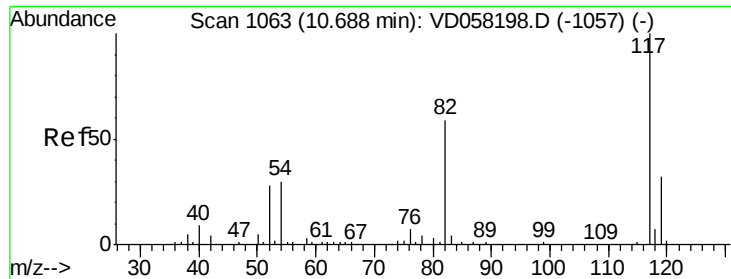


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

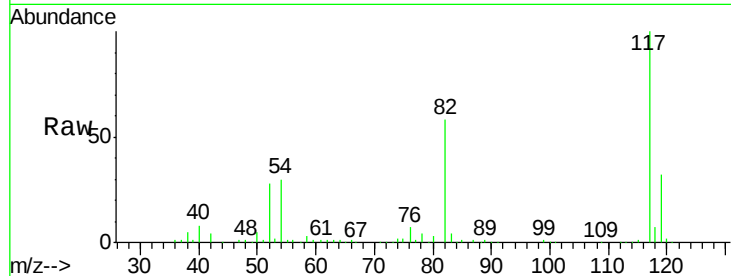




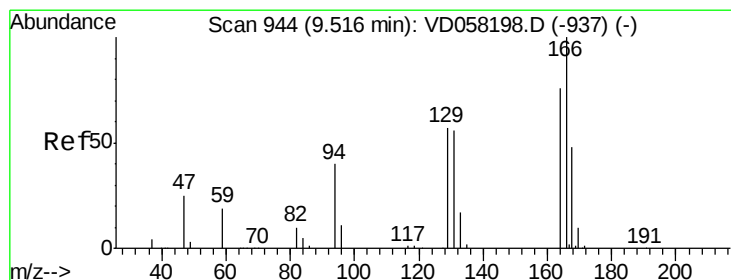
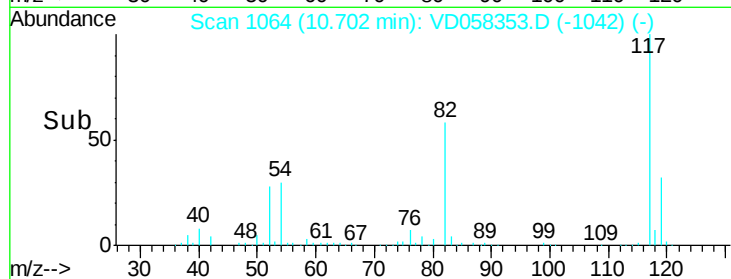
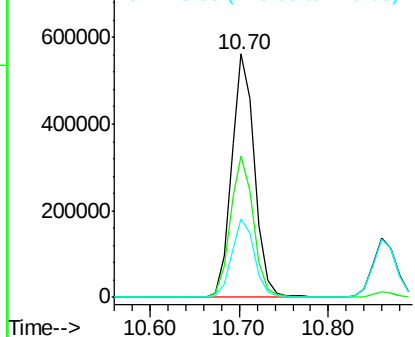
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1013866
Ion Ratio Lower Upper
117 100
82 58.2 47.0 70.6
119 32.4 25.3 37.9

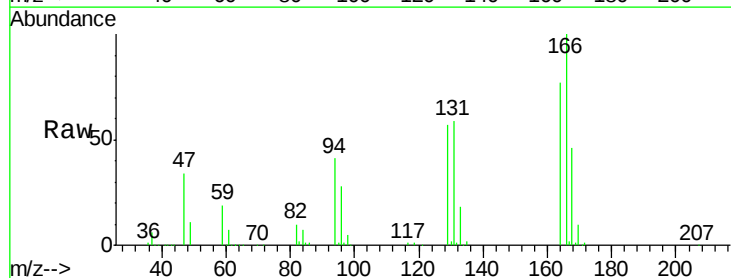


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

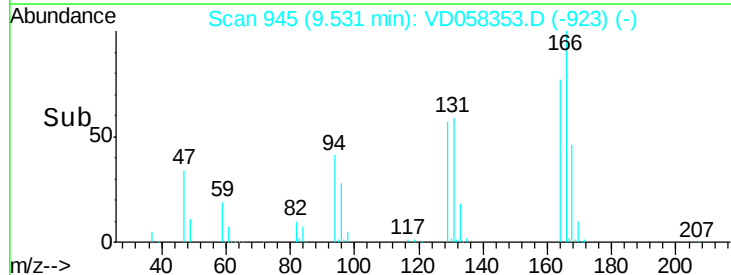
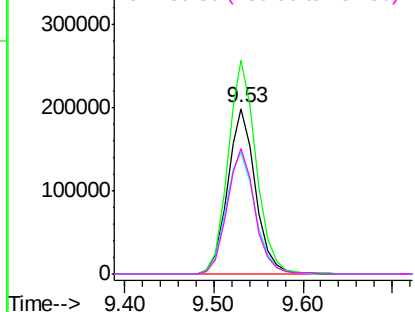


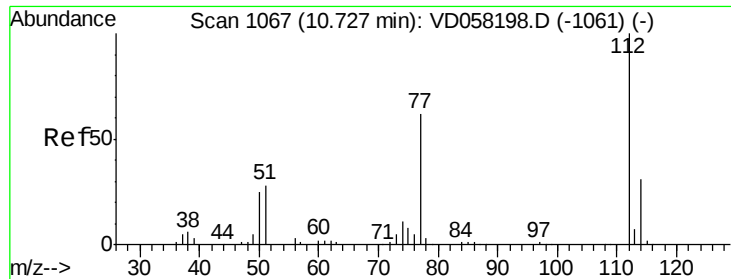
#64
Tetrachloroethene
Concen: 50.78 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Tgt Ion:164 Resp: 433161
Ion Ratio Lower Upper
164 100
166 129.3 105.4 158.0
129 73.7 59.6 89.4
131 75.8 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

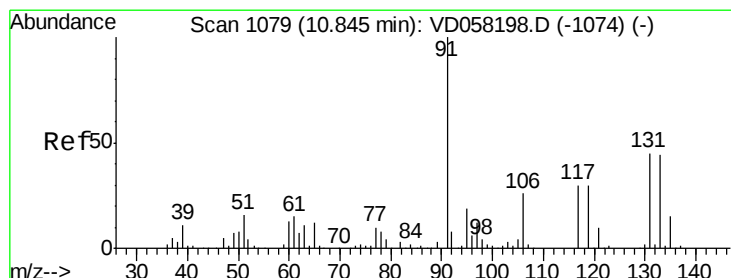
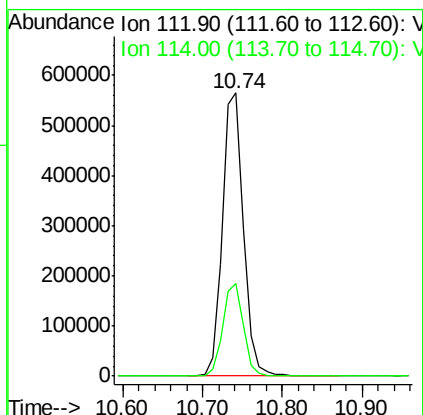
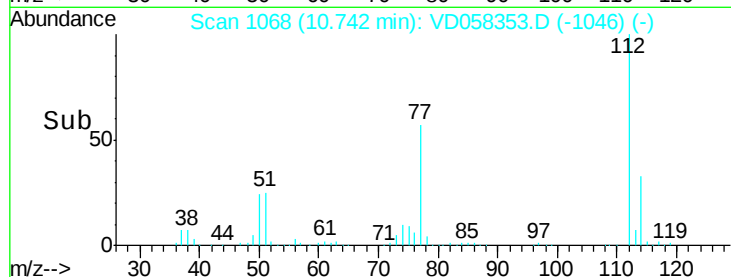
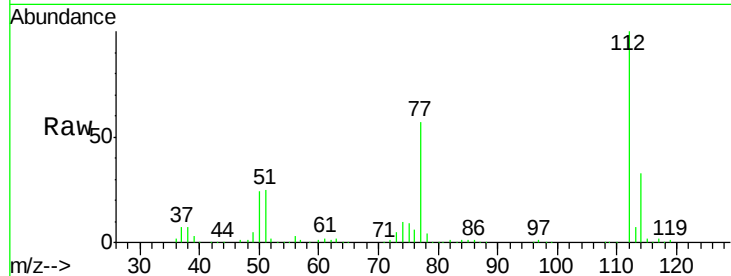




#65
Chlorobenzene
Concen: 55.52 ug/l
RT: 10.74 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

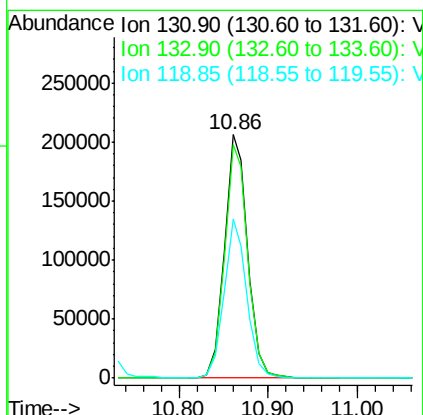
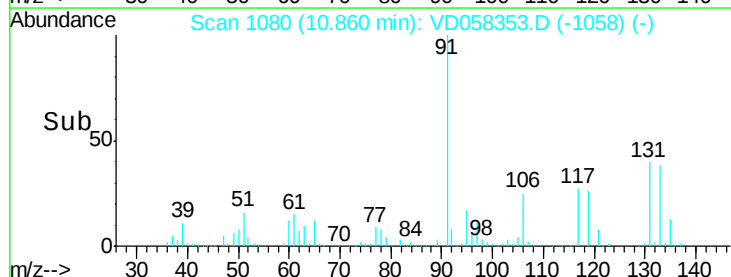
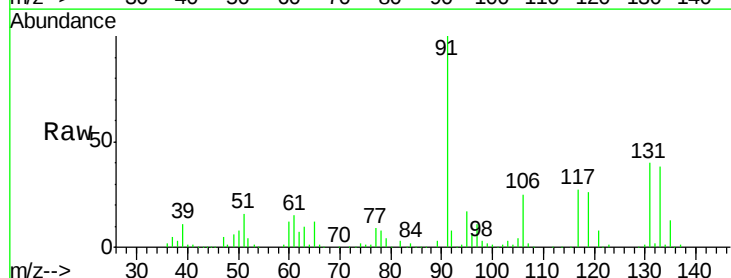
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 1052872
Ion Ratio Lower Upper
112 100
114 32.9 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.57 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Tgt Ion:131 Resp: 377411
Ion Ratio Lower Upper
131 100
133 96.1 48.6 145.9
119 65.6 33.0 99.0

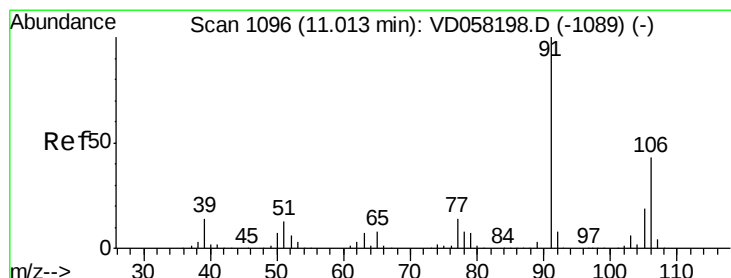
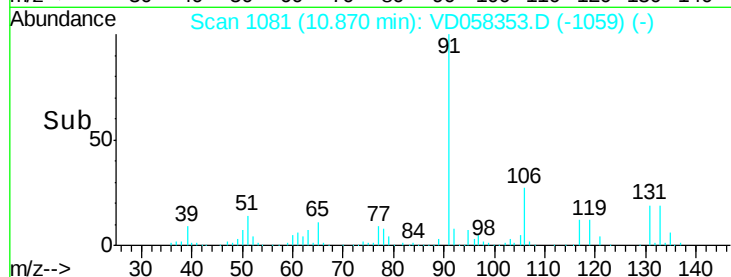
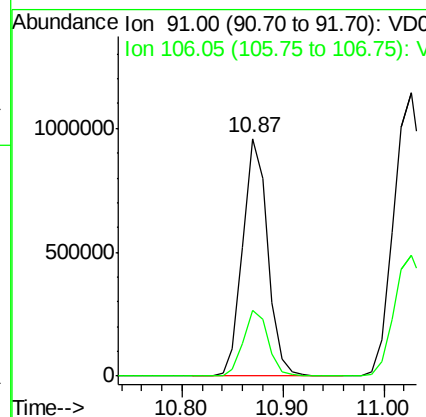
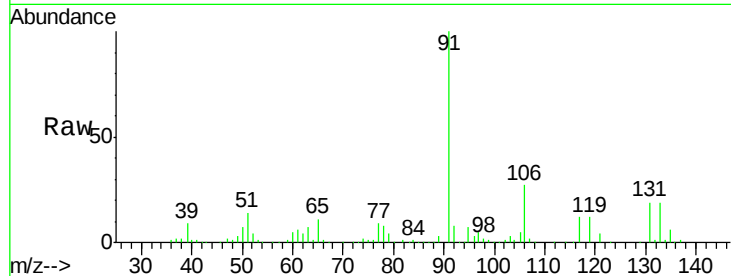




#67
Ethyl Benzene
Concen: 49.31 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

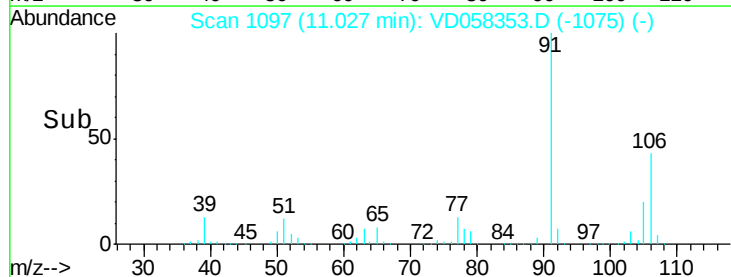
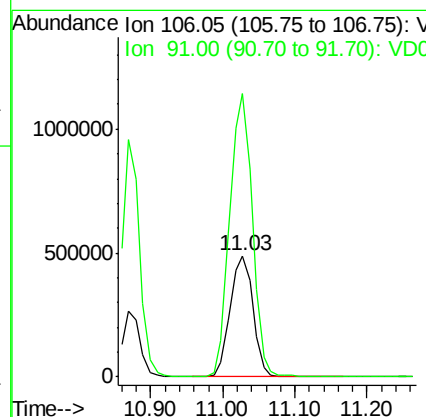
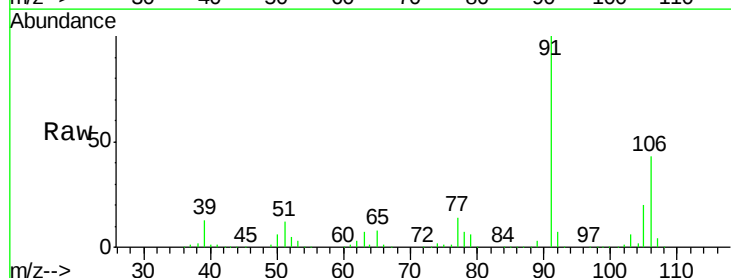
Instrument :
MSVOA_D
ClientSampled :

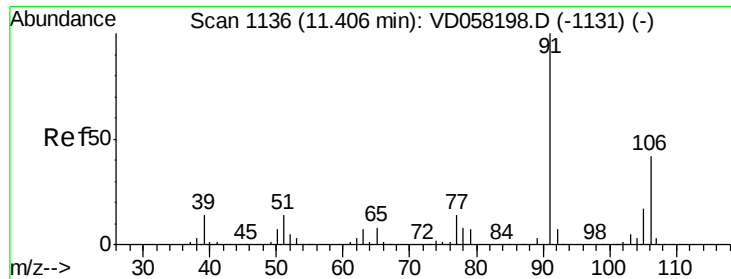
Tot Ion: 91 Resp: 1650873
Ion Ratio Lower Upper
91 100
106 27.5 22.0 33.0



#68
m/p-Xylenes
Concen: 96.45 ug/l
RT: 11.03 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Tgt Ion: 106 Resp: 1076844
Ion Ratio Lower Upper
106 100
91 234.2 185.0 277.6

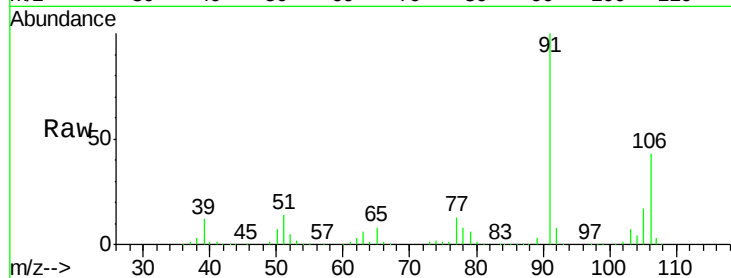




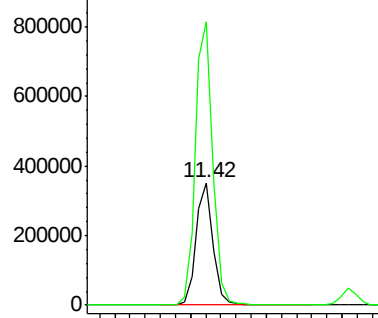
#69
o-Xylene
Concen: 50.98 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Instrument :
MSVOA_D
ClientSampled :

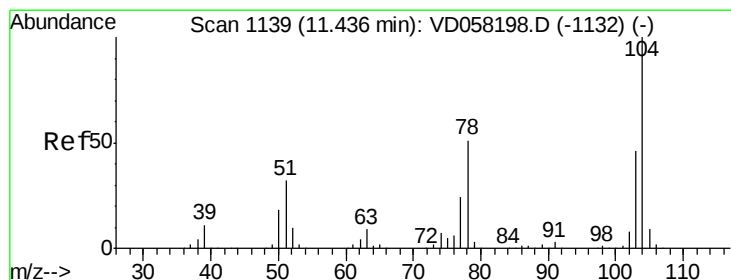
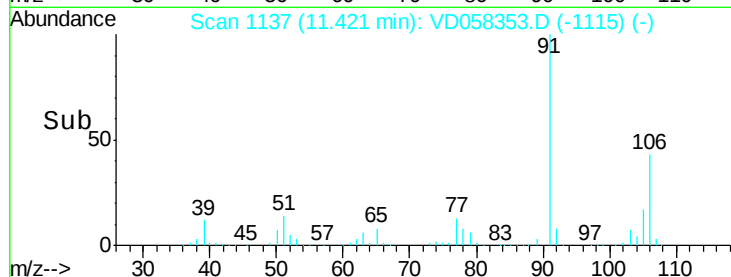
Tot Ion:106 Resp: 543608
Ion Ratio Lower Upper
106 100
91 231.7 120.2 360.6



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

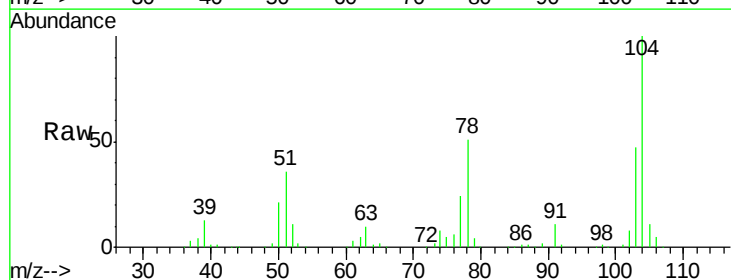


Time-->

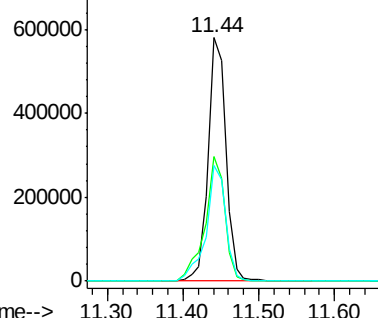


#70
Styrene
Concen: 51.17 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

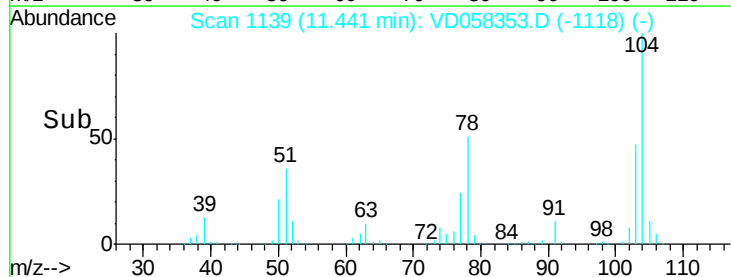
Tgt Ion:104 Resp: 931243
Ion Ratio Lower Upper
104 100
78 51.2 40.8 61.2
103 47.4 37.0 55.6

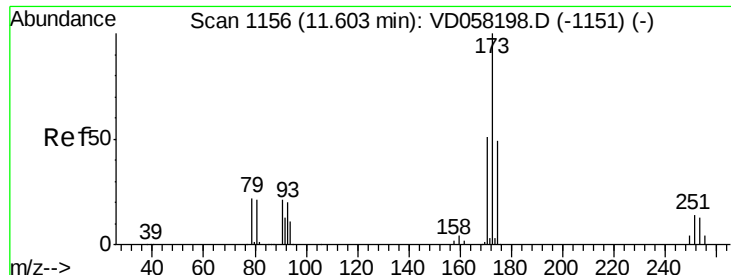


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time-->

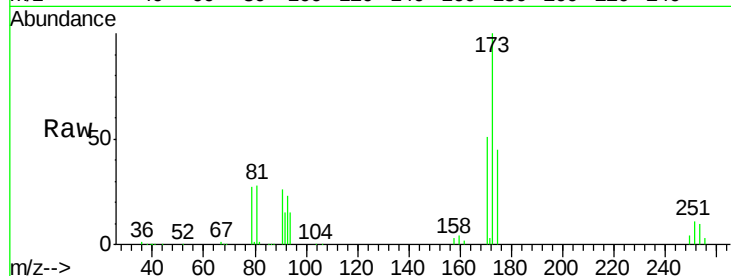




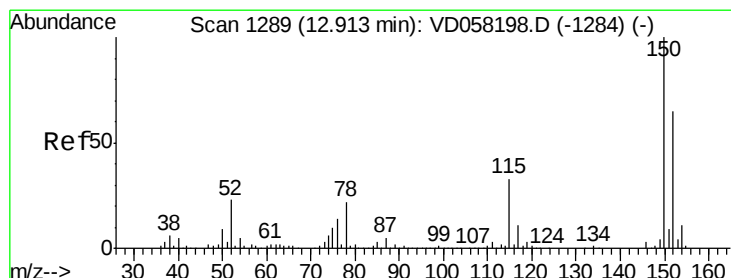
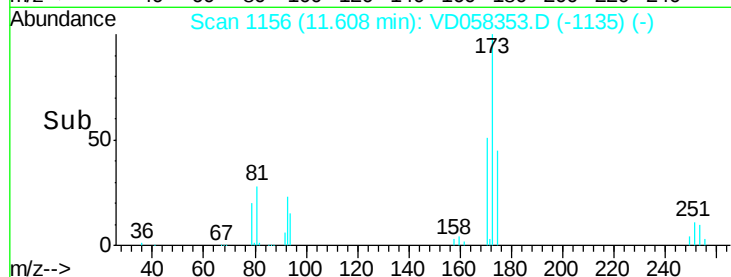
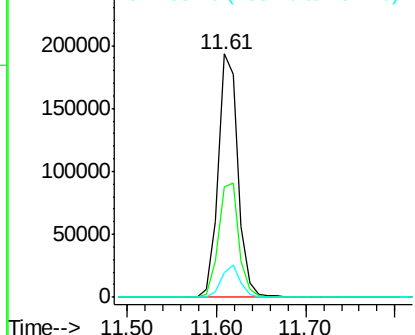
#71
Bromoform
Concen: 51.86 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 302754
Ion Ratio Lower Upper
173 100
175 45.5 24.6 74.0
254 10.4 10.3 15.5

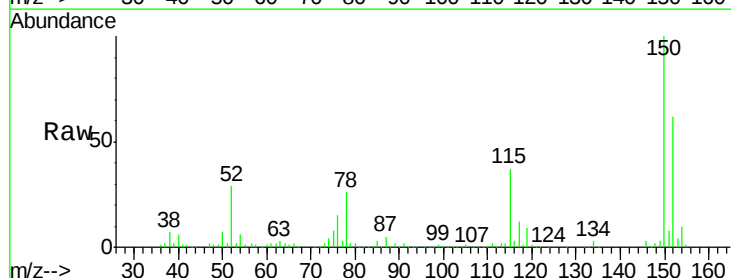


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

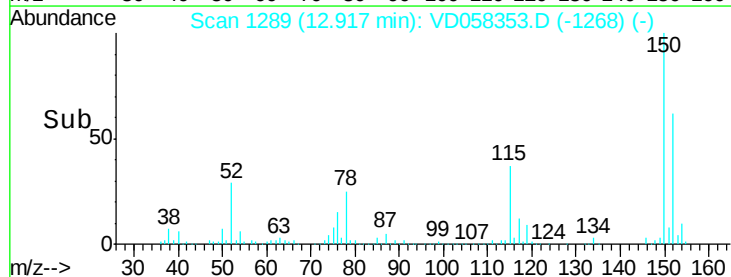
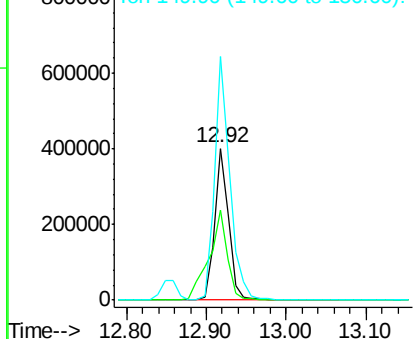


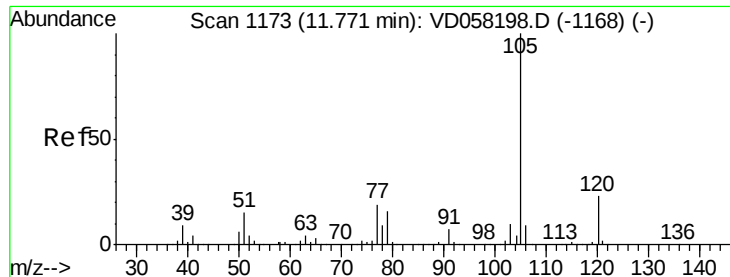
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Tgt Ion:152 Resp: 496376
Ion Ratio Lower Upper
152 100
115 59.4 25.1 75.3
150 160.8 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

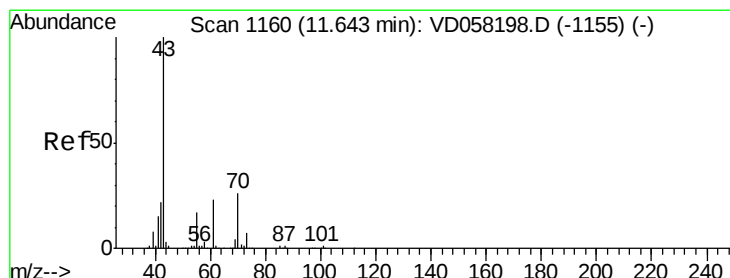
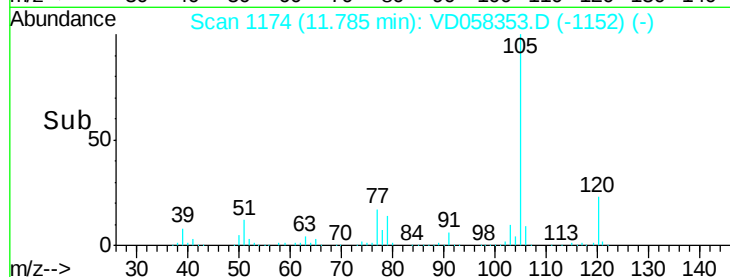
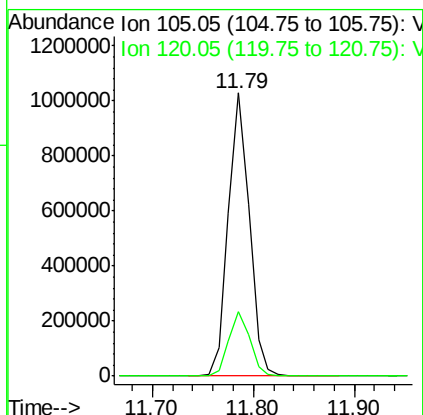
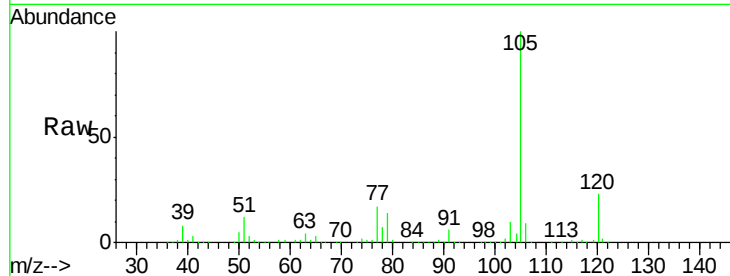




#73
Isopropylbenzene
Concen: 50.46 ug/l
RT: 11.79 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

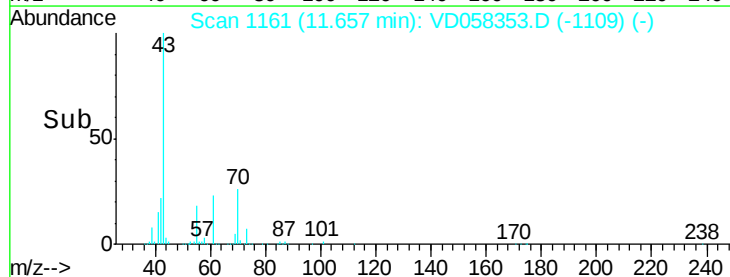
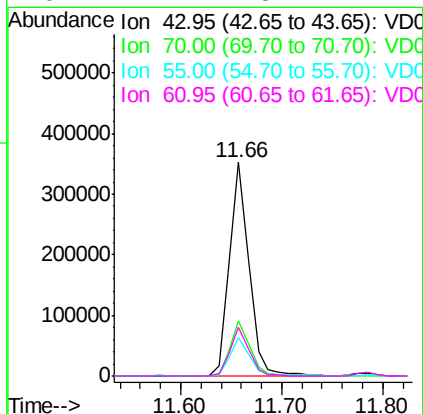
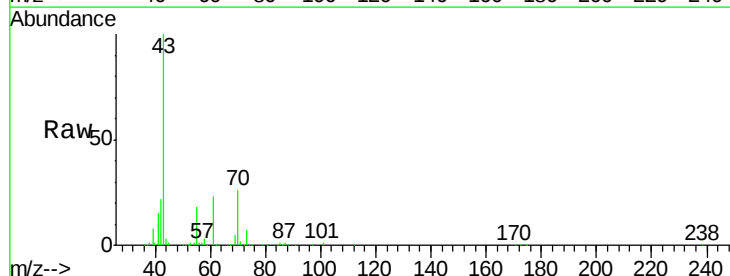
Instrument :
MSVOA_D
ClientSampled :

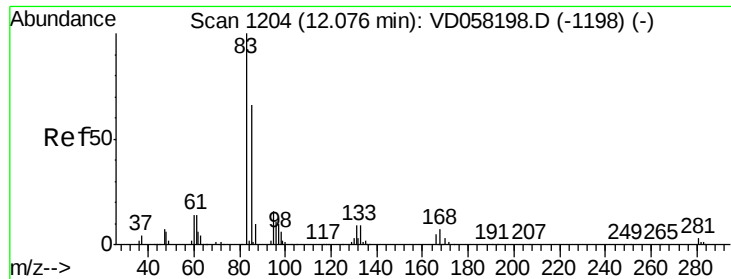
Tot Ion:105 Resp: 1498182
Ion Ratio Lower Upper
105 100
120 22.9 11.6 34.8



#74
N-ethyl acetate
Concen: 41.50 ug/l
RT: 11.66 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Tgt Ion: 43 Resp: 476374
Ion Ratio Lower Upper
43 100
70 25.8 20.9 31.3
55 17.9 13.5 20.3
61 22.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.57 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

ClientSampleId :

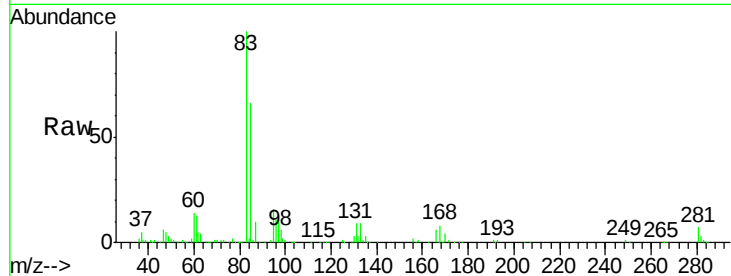
Tot Ion: 83 Resp: 356302

Ion Ratio Lower Upper

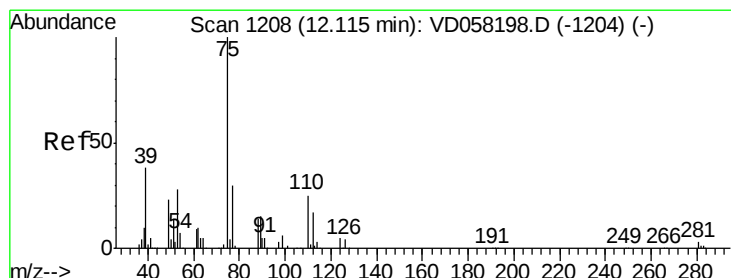
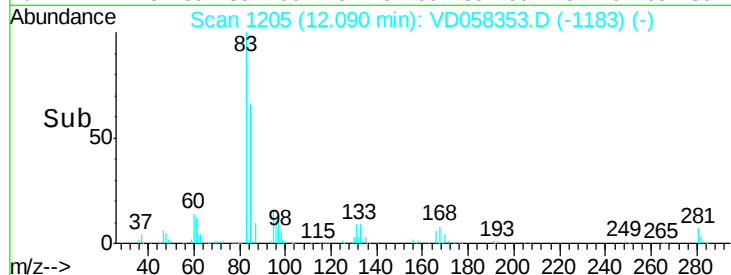
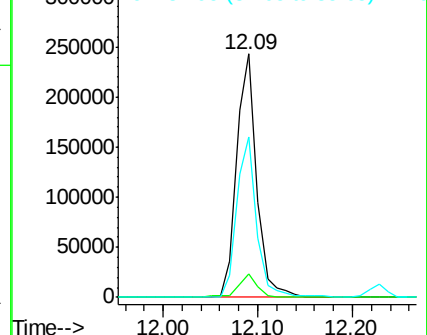
83 100

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: 50.27 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058353.D

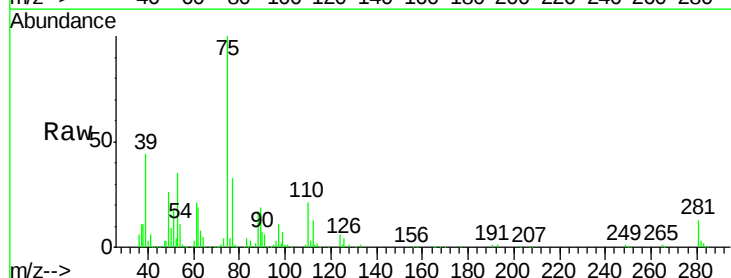
Acq: 23 Jun 2018 21:00

Tgt Ion: 75 Resp: 364352

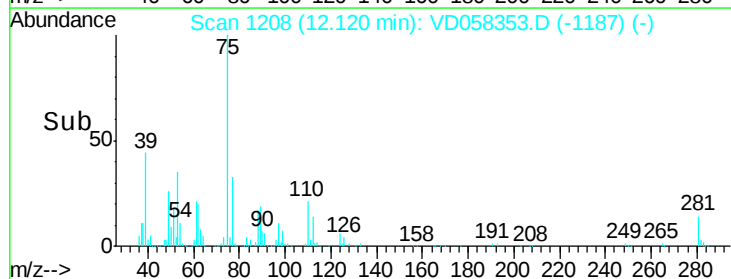
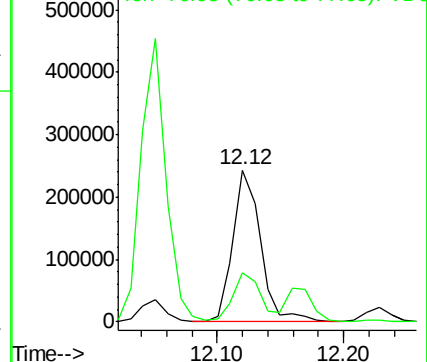
Ion Ratio Lower Upper

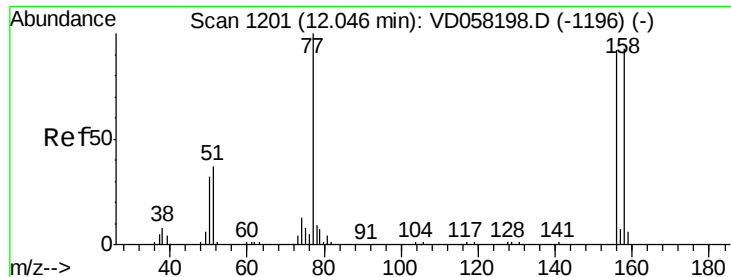
75 100

77 32.6 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: 52.92 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

ClientSampleId :

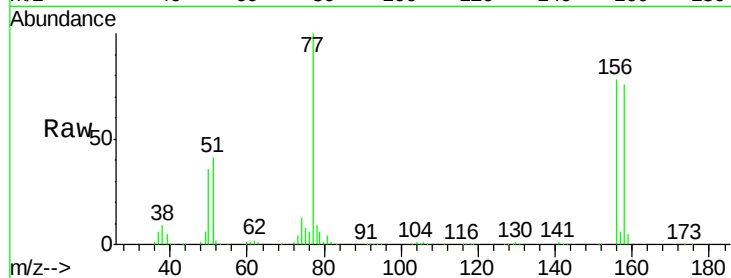
Tot Ion:156 Resp: 470509

Ion Ratio Lower Upper

156 100

77 128.7 54.5 163.6

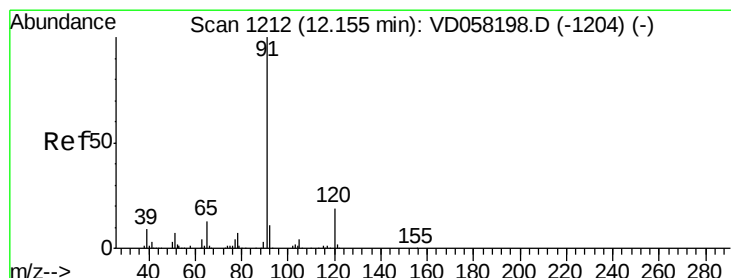
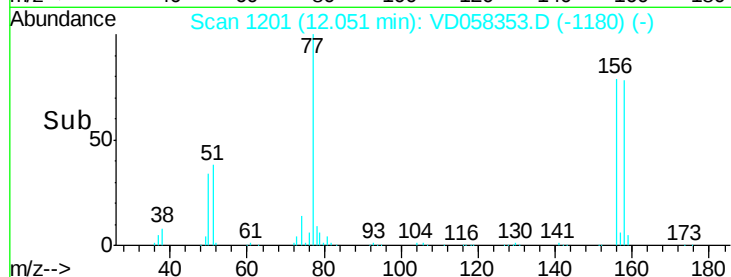
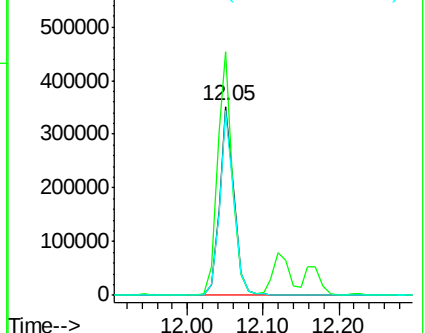
158 97.5 50.8 152.5



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: 50.43 ug/l

RT: 12.17 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD058353.D

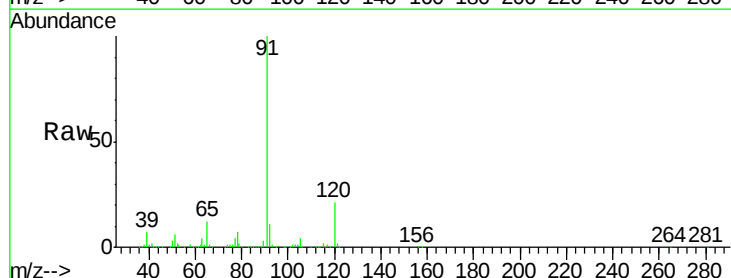
Acq: 23 Jun 2018 21:00

Tgt Ion: 91 Resp: 1933645

Ion Ratio Lower Upper

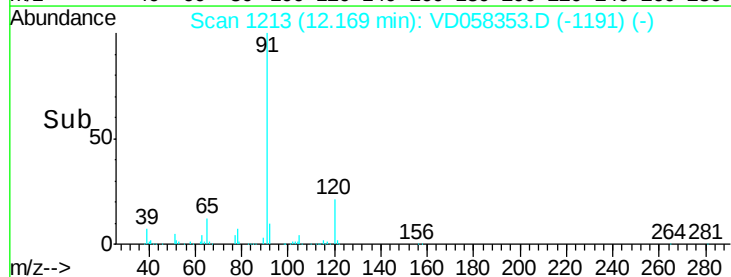
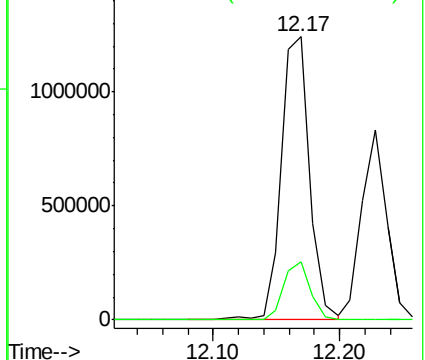
91 100

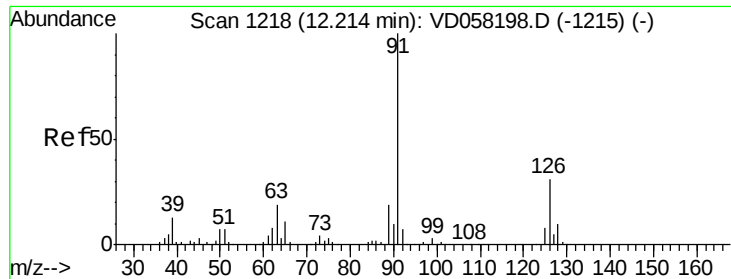
120 20.6 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

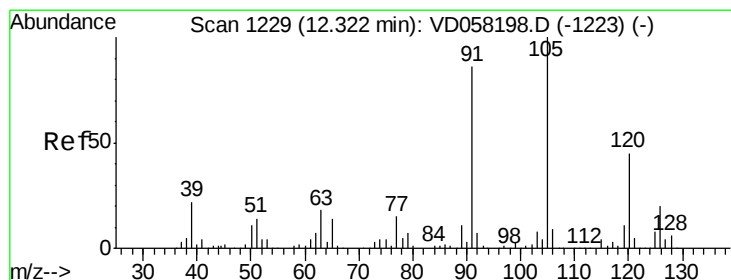
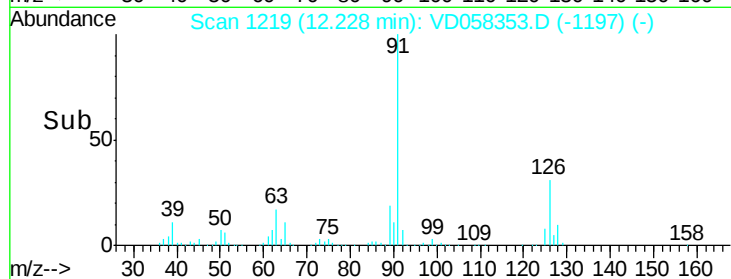
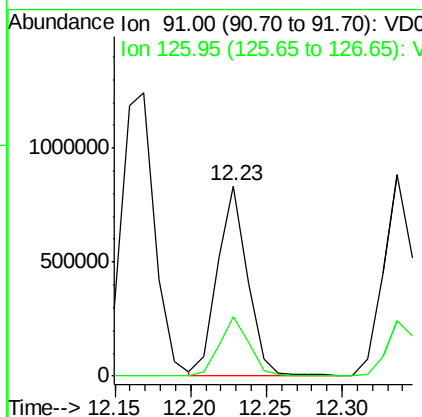
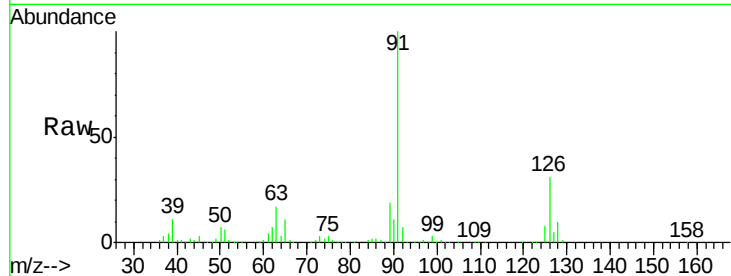




#79
 2-Chlorotoluene
 Concen: 51.85 ug/l
 RT: 12.23 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

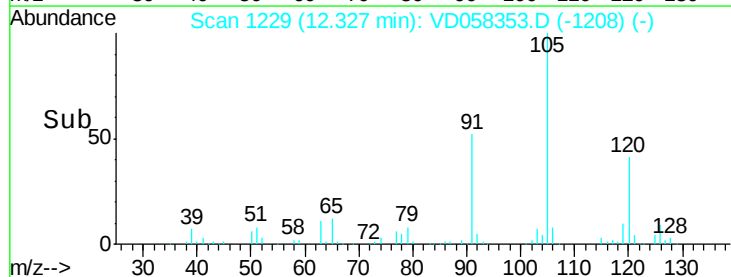
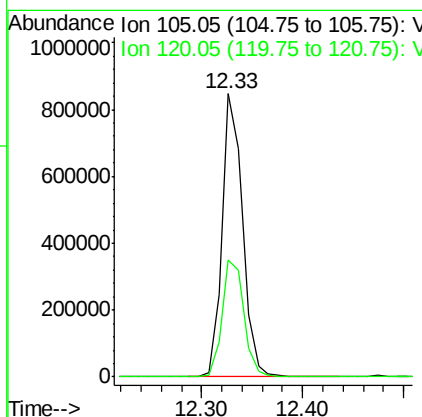
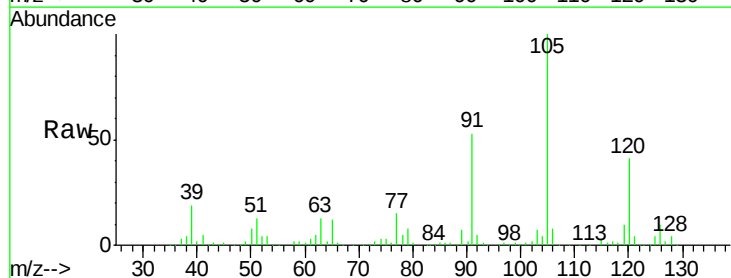
Instrument :
 MSVOA_D
 ClientSampleId :

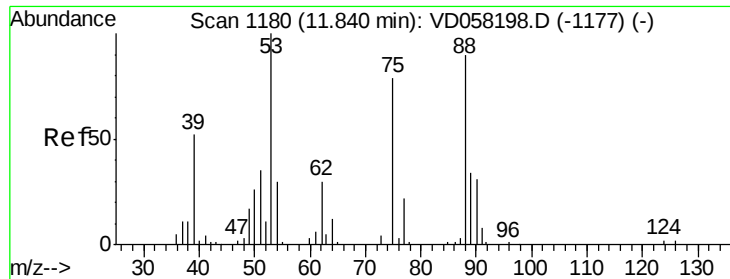
Tot Ion: 91 Resp: 1137606
 Ion Ratio Lower Upper
 91 100
 126 31.2 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 51.73 ug/l
 RT: 12.33 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

Tgt Ion: 105 Resp: 1197922
 Ion Ratio Lower Upper
 105 100
 120 41.1 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 48.30 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

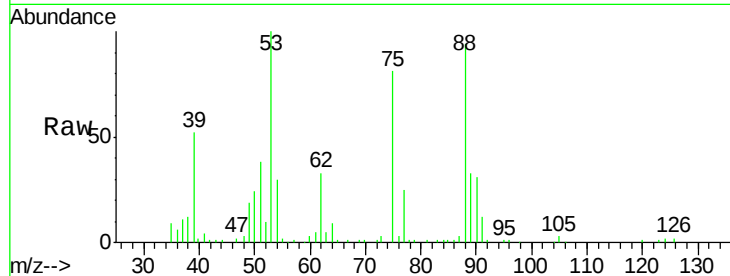
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 85370

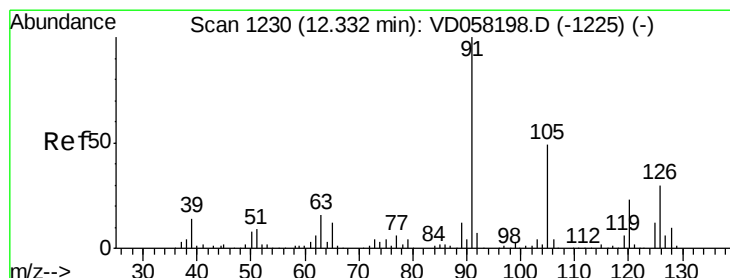
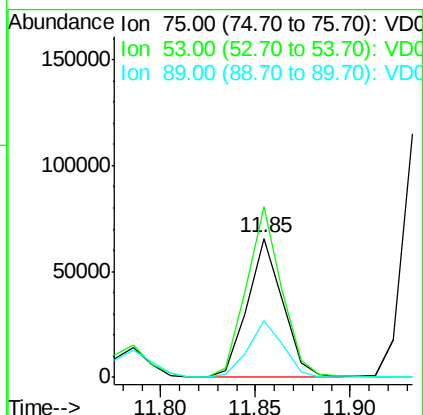
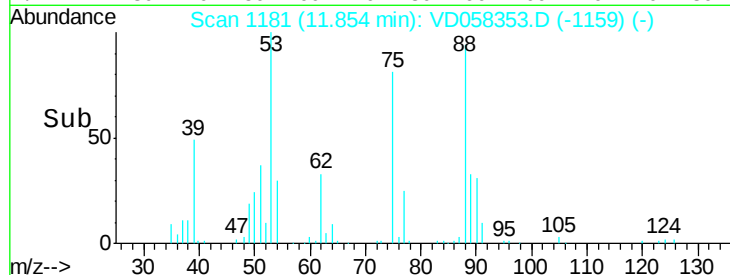
Ion	Ratio	Lower	Upper
75	100		
53	123.3	100.8	151.2
89	41.2	34.6	52.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 57.74 ug/l

RT: 12.34 min Scan# 1230

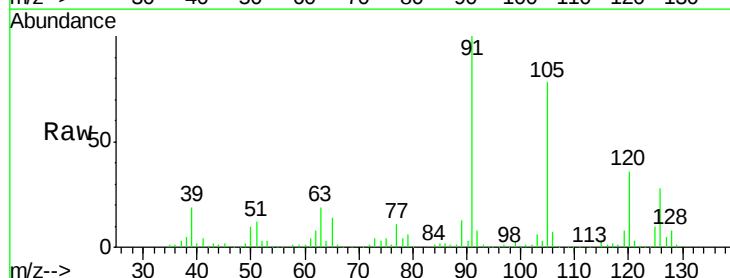
Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

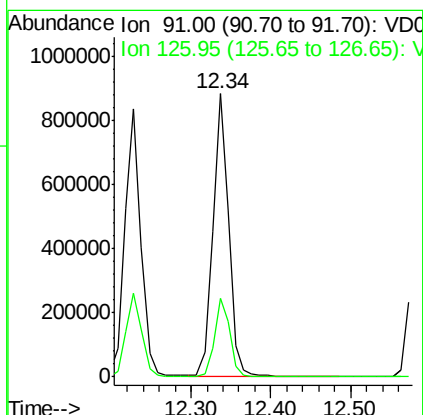
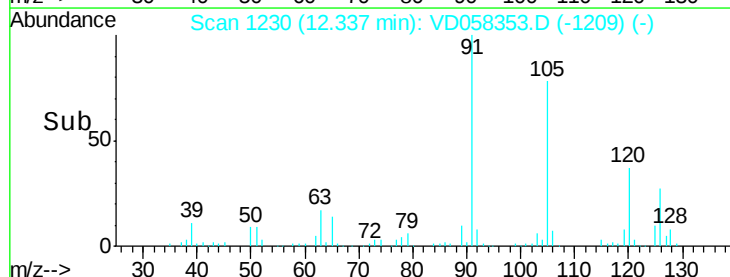
Tgt Ion: 91 Resp: 1216683

Ion	Ratio	Lower	Upper
91	100		
126	27.7	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: 50.92 ug/l

RT: 12.58 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

ClientSampleId :

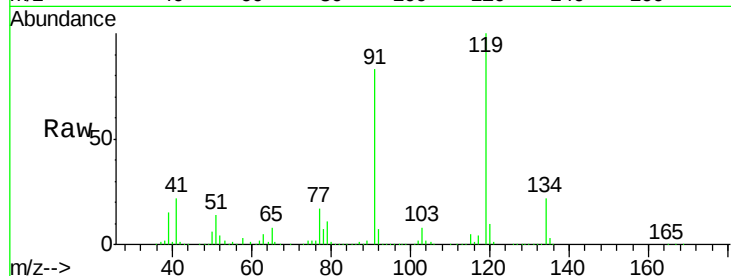
Tot Ion:119 Resp: 1355625

Ion Ratio Lower Upper

119 100

91 83.2 38.9 116.6

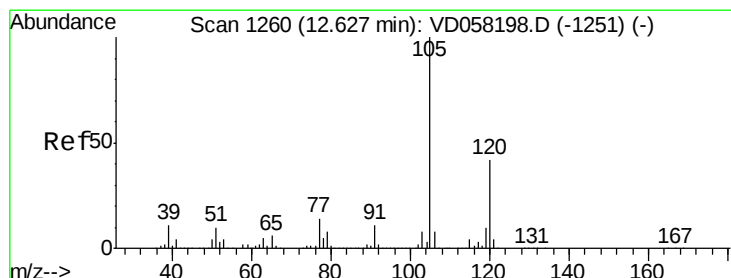
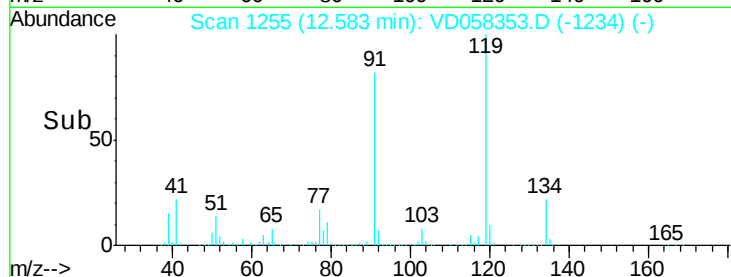
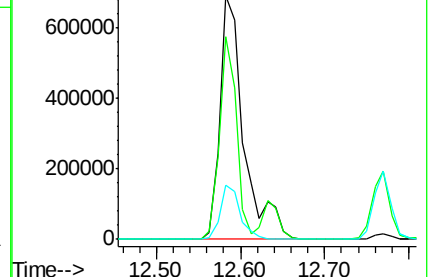
134 22.3 11.2 33.5



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.72 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD058353.D

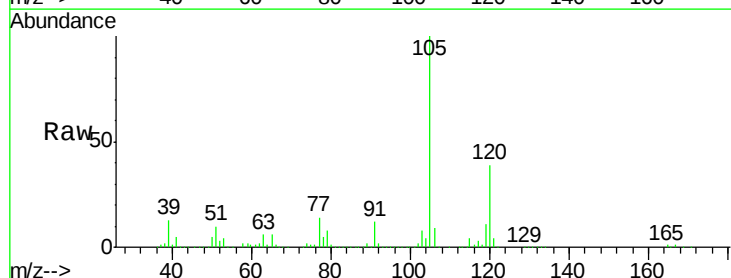
Acq: 23 Jun 2018 21:00

Tgt Ion:105 Resp: 1327112

Ion Ratio Lower Upper

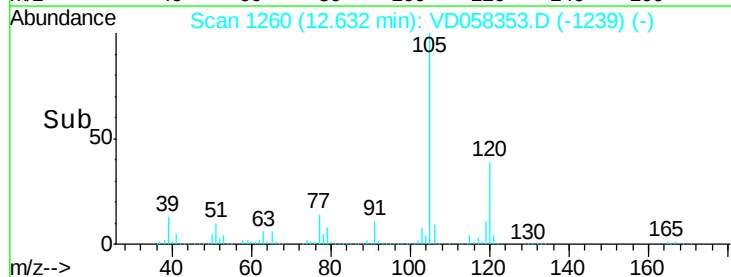
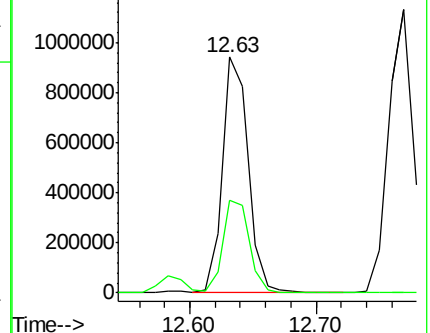
105 100

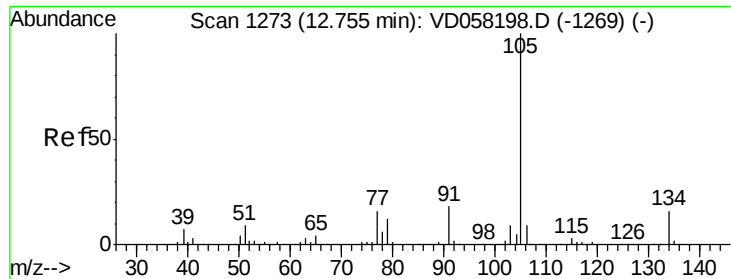
120 39.5 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 50.78 ug/l

RT: 12.77 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

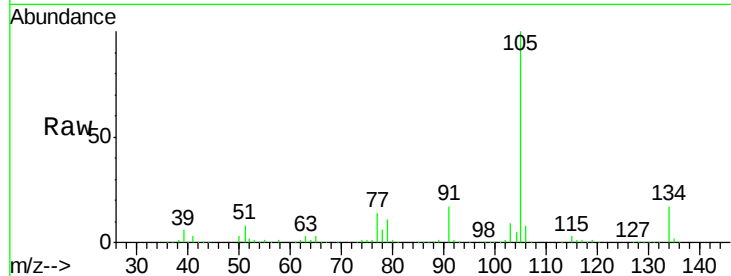
ClientSampled :

Tot Ion:105 Resp: 1584809

Ion Ratio Lower Upper

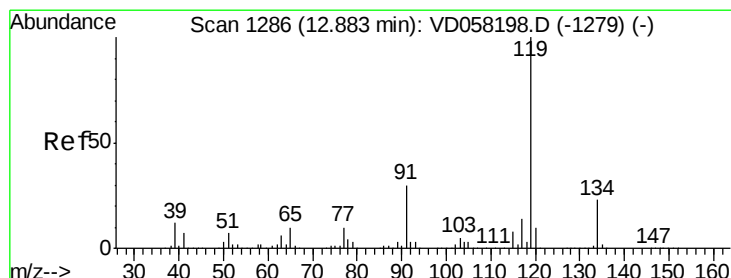
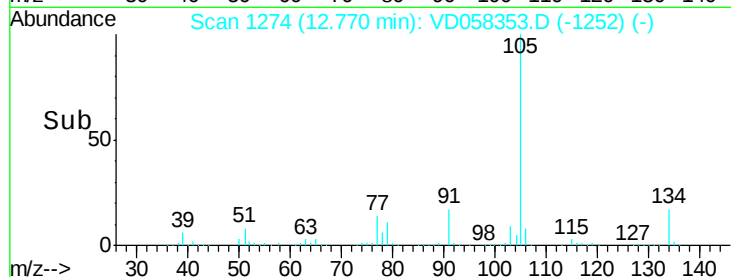
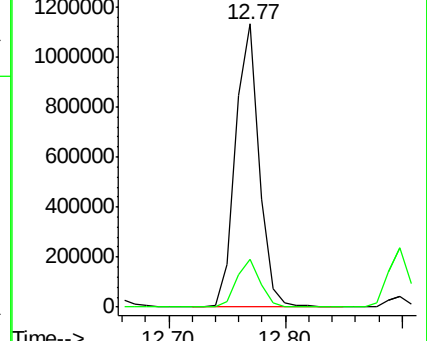
105 100

134 17.0 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: 51.51 ug/l

RT: 12.90 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

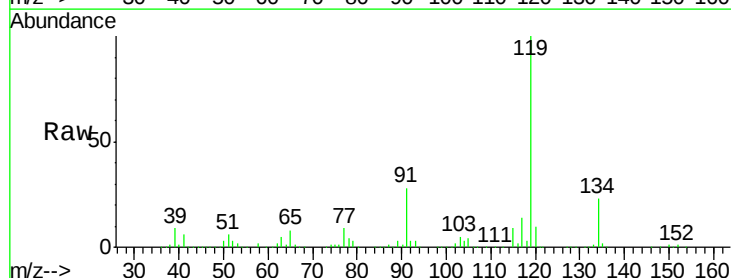
Tgt Ion:119 Resp: 1302698

Ion Ratio Lower Upper

119 100

134 23.4 11.6 34.8

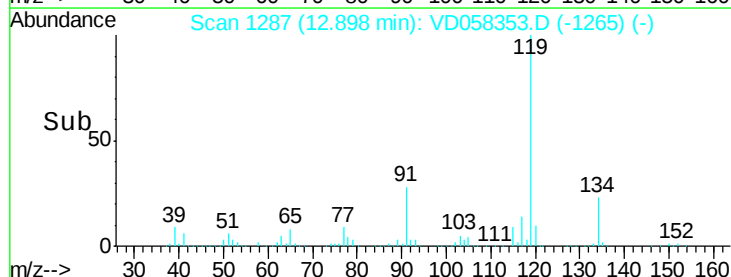
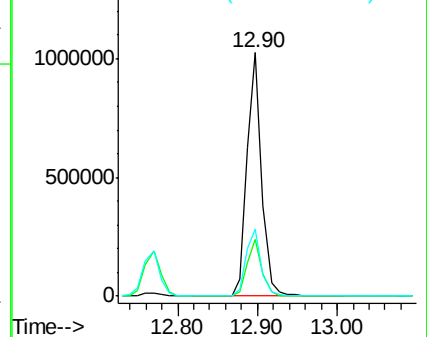
91 27.7 15.0 45.1

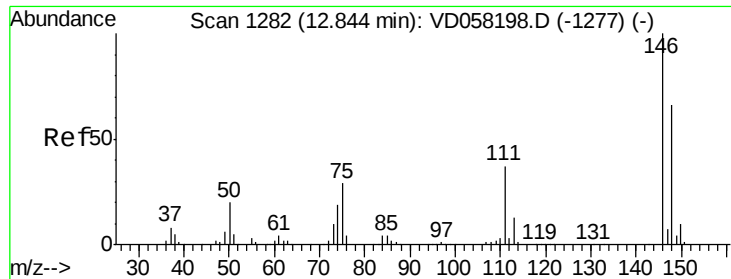


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

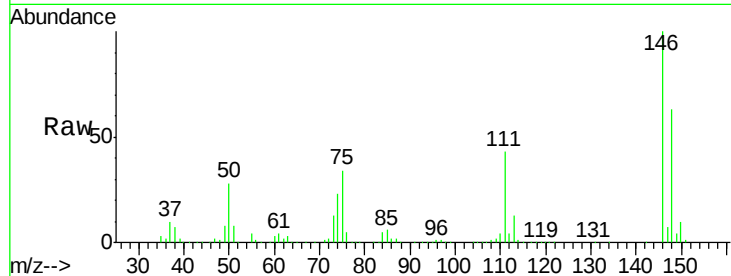




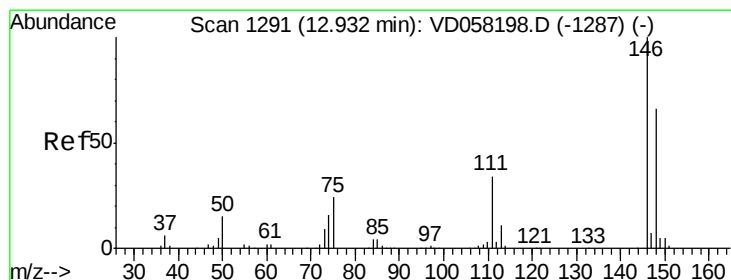
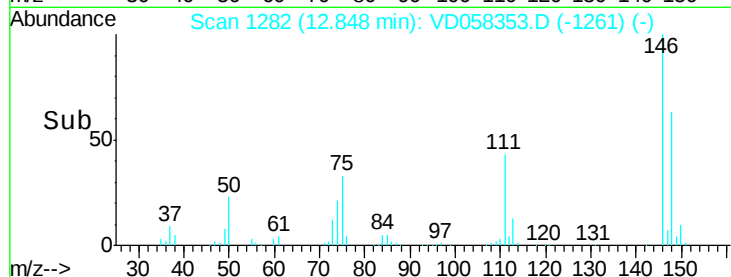
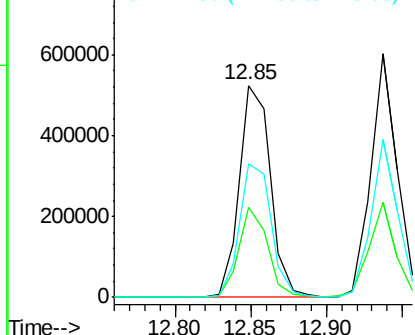
#87
 1,3-Dichlorobenzene
 Concen: 48.47 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 748951
 Ion Ratio Lower Upper
 146 100
 111 42.7 18.4 55.0
 148 63.1 32.8 98.4

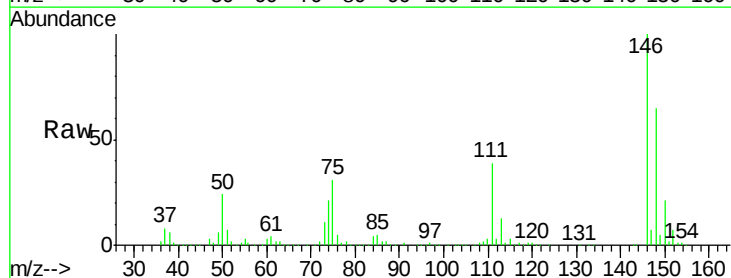


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

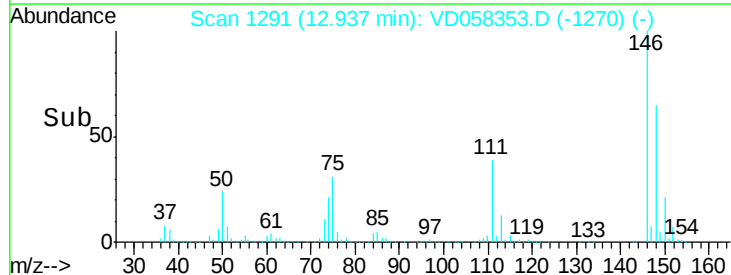
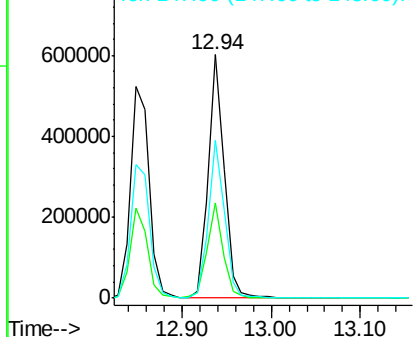


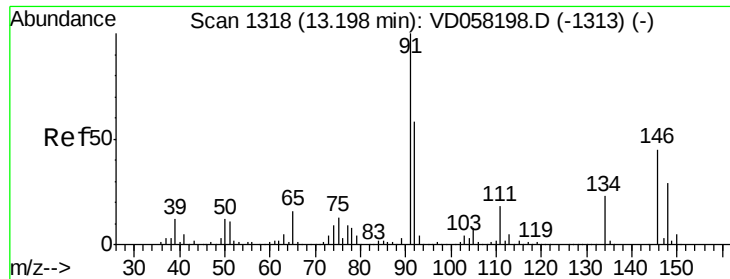
#88
 1,4-Dichlorobenzene
 Concen: 49.23 ug/l
 RT: 12.94 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

Tgt Ion:146 Resp: 742886
 Ion Ratio Lower Upper
 146 100
 111 39.2 17.2 51.5
 148 64.9 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

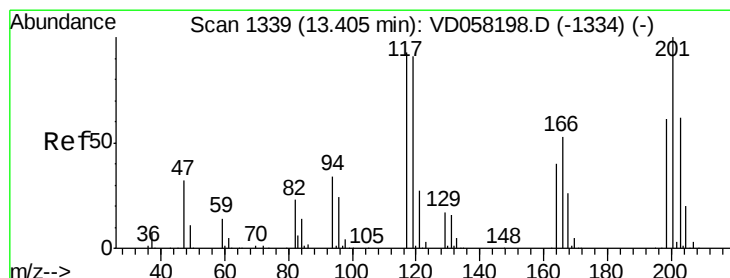
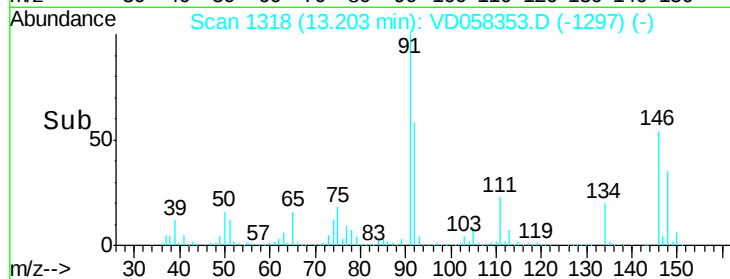
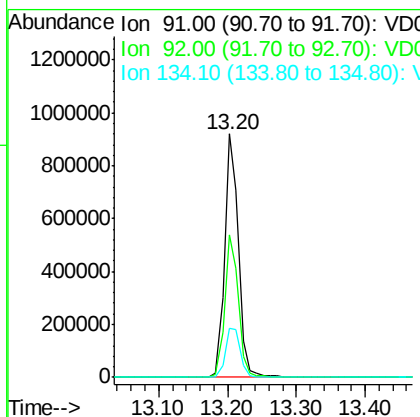
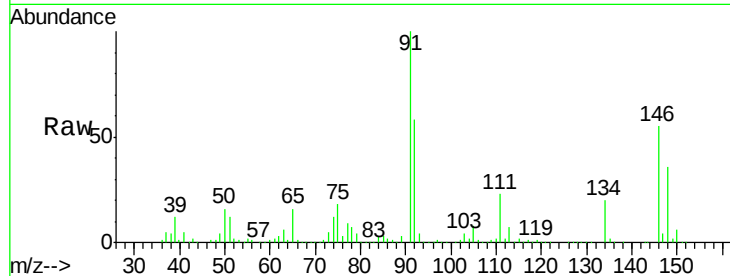




#89
n-Butylbenzene
Concen: 47.75 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

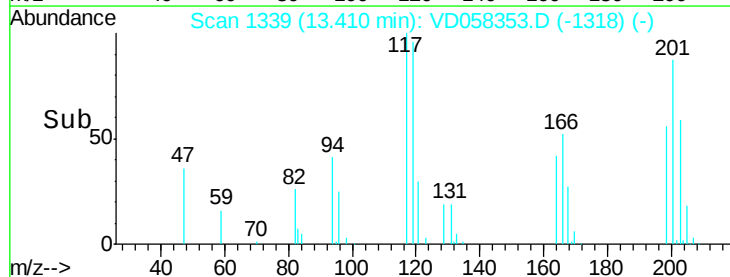
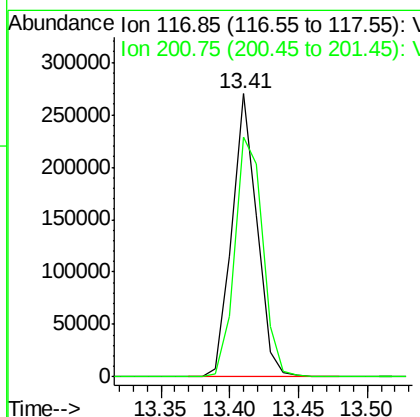
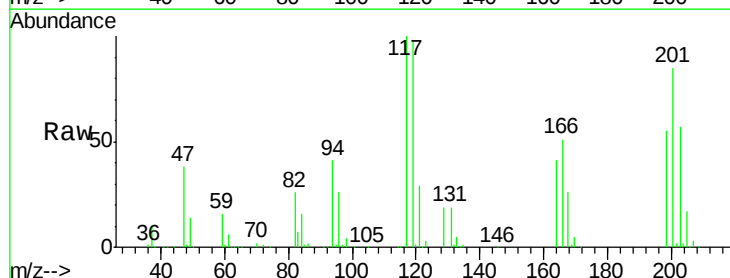
Instrument :
MSVOA_D
ClientSampleId :

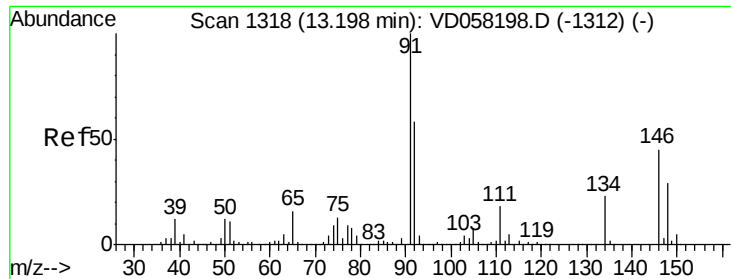
Tot Ion: 91 Resp: 1269187
Ion Ratio Lower Upper
91 100
92 58.4 29.2 87.6
134 20.3 11.3 33.8



#90
Hexachloroethane
Concen: 52.03 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058353.D
Acq: 23 Jun 2018 21:00

Tgt Ion: 117 Resp: 341514
Ion Ratio Lower Upper
117 100
201 84.6 53.8 161.4





#91

1,2-Dichlorobenzene

Concen: 50.31 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

ClientSampleId :

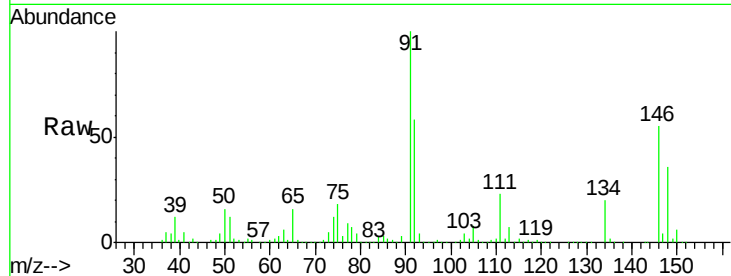
Tot Ion:146 Resp: 661538

Ion Ratio Lower Upper

146 100

111 42.6 19.6 58.7

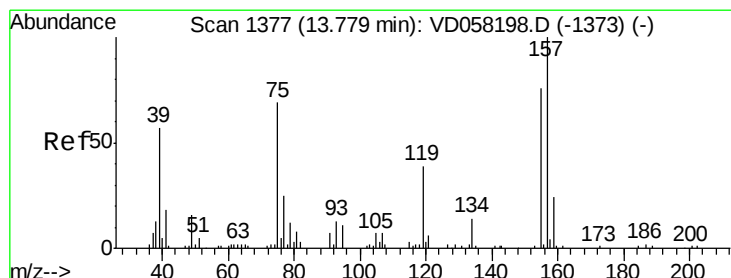
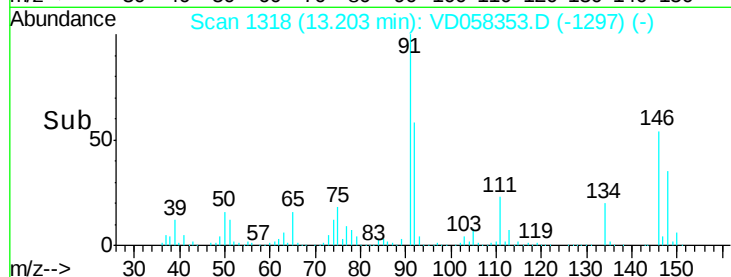
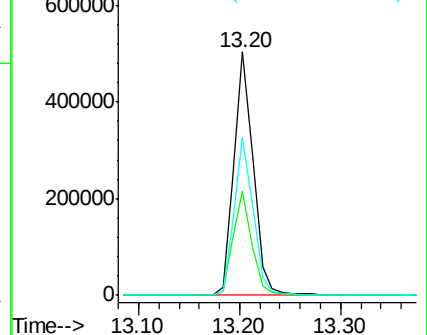
148 64.9 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.83 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

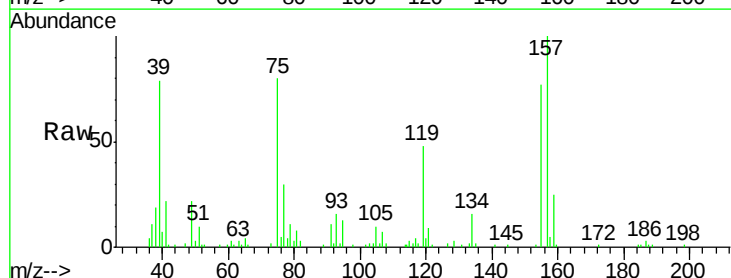
Tgt Ion: 75 Resp: 56996

Ion Ratio Lower Upper

75 100

155 97.0 54.5 163.5

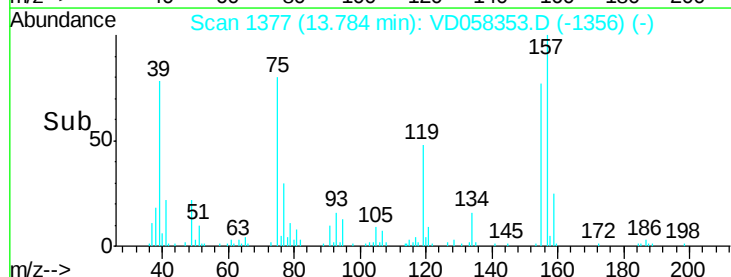
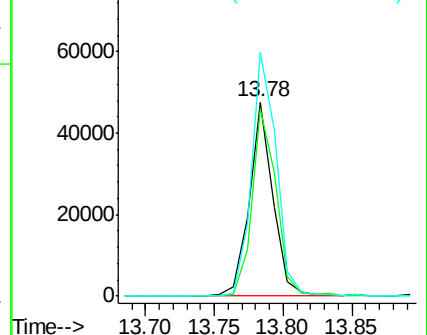
157 125.6 72.0 215.9

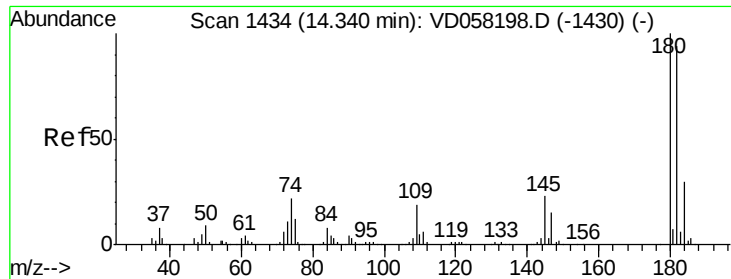


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

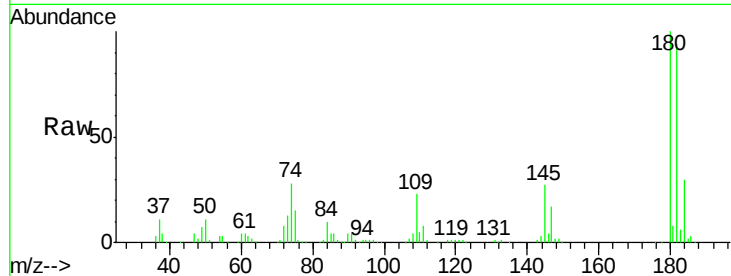




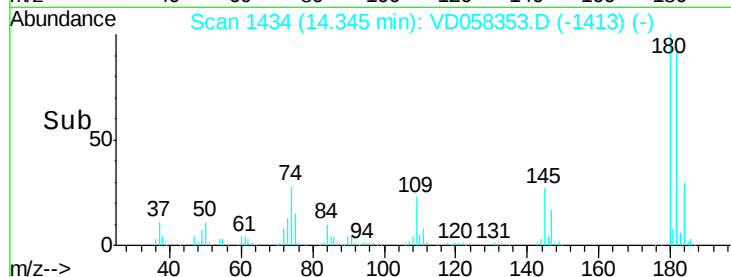
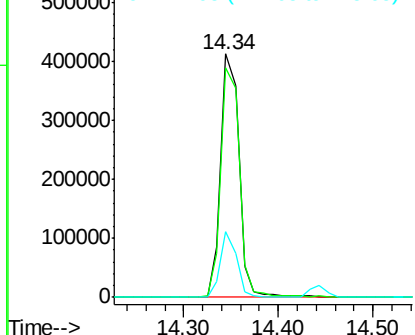
#93
 1,2,4-Trichlorobenzene
 Concen: 44.37 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 558032
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.1 141.3
 145 26.8 11.7 35.0

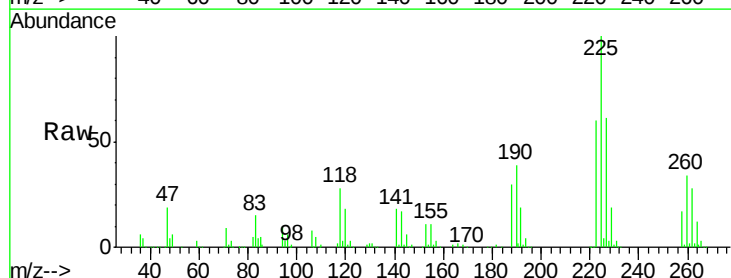


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

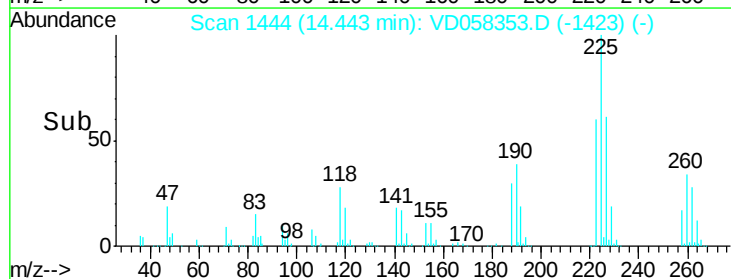
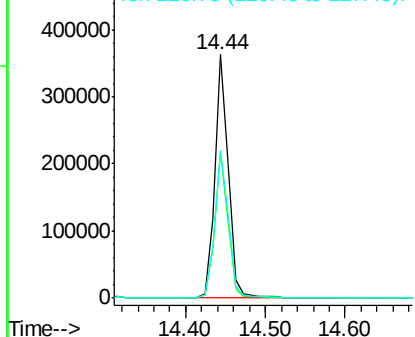


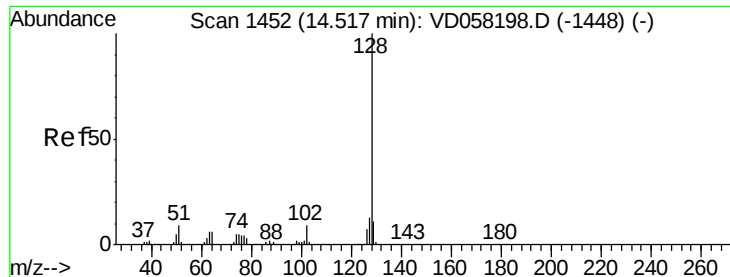
#94
 Hexachlorobutadiene
 Concen: 44.12 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058353.D
 Acq: 23 Jun 2018 21:00

Tgt Ion:225 Resp: 434030
 Ion Ratio Lower Upper
 225 100
 223 60.0 30.1 90.3
 227 60.8 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: 48.90 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

Instrument :

MSVOA_D

ClientSampleId :

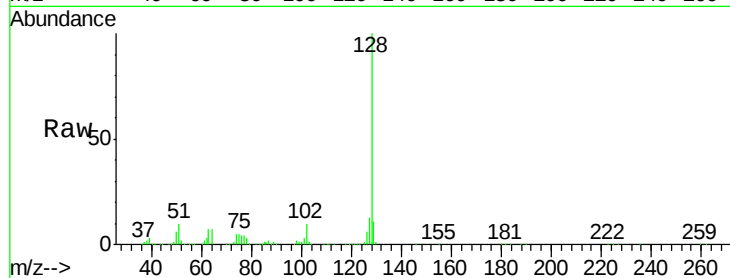
Tot Ion:128 Resp: 810140

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

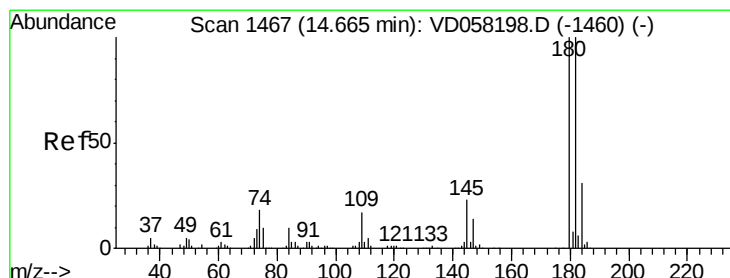
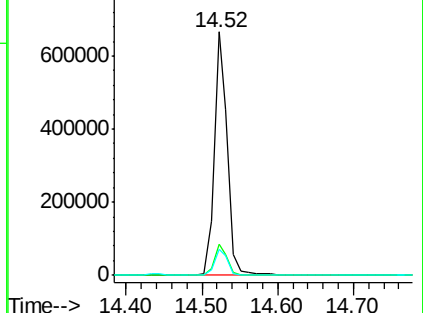
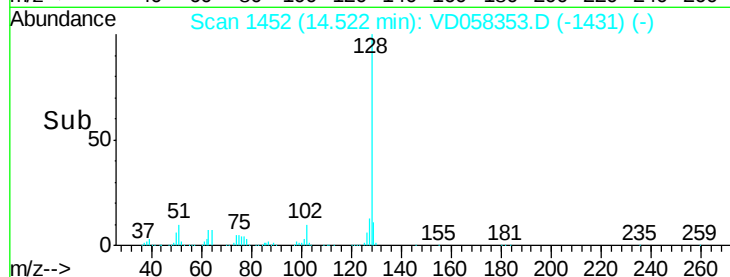
129 10.5 8.7 13.1



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: 46.44 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058353.D

Acq: 23 Jun 2018 21:00

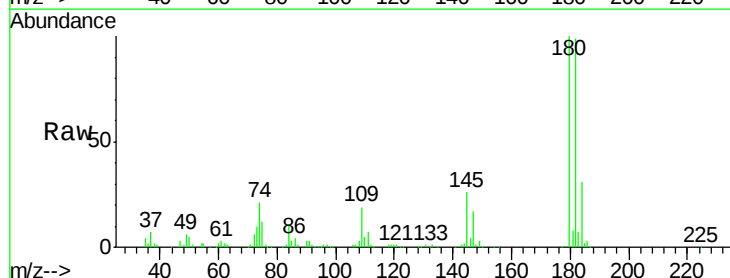
Tgt Ion:180 Resp: 511335

Ion Ratio Lower Upper

180 100

182 99.1 49.9 149.6

145 25.7 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

