

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\
 Data File : VD059461.D
 Acq On : 28 Jun 2018 14:11
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 29 01:25:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	906878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1195633	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	944967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	479404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	375818	40.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.04%	
35) Dibromofluoromethane	5.56	113	405559	41.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.28%	
50) Toluene-d8	8.72	98	912009	40.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.12%	
62) 4-Bromofluorobenzene	11.94	95	390949	41.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	363867	45.096	ug/l	94
3) Chloromethane	1.49	50	169976	40.485	ug/l	93
4) Vinyl Chloride	1.56	62	184504	42.359	ug/l #	88
5) Bromomethane	1.80	94	77359	51.893	ug/l	96
6) Chloroethane	1.89	64	93635	50.504	ug/l	95
7) Trichlorofluoromethane	2.09	101	329784	52.507	ug/l	99
8) Diethyl Ether	2.35	74	62060	43.669	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.56	101	210940	54.045	ug/l	93
10) Methyl Iodide	2.70	142	218225	47.867	ug/l	98
11) Tert butyl alcohol	3.27	59	71310	222.262	ug/l	99
12) 1,1-Dichloroethene	2.55	96	152136	50.913	ug/l	90
13) Acrolein	2.47	56	108771	379.229	ug/l	94
14) Allyl chloride	2.92	41	327707	47.913	ug/l	96
15) Acrylonitrile	3.38	53	256441	260.432	ug/l	95
16) Acetone	2.62	43	330639	282.483	ug/l	94
17) Carbon Disulfide	2.77	76	411572	44.971	ug/l	96
18) Methyl Acetate	2.94	43	120655	48.358	ug/l	99
19) Methyl tert-butyl Ether	3.42	73	715625	48.654	ug/l	97
20) Methylene Chloride	3.08	84	160198	49.317	ug/l	98
21) trans-1,2-Dichloroethene	3.40	96	302426	57.240	ug/l	93
22) Diisopropyl ether	4.09	45	1180427	45.870	ug/l	97
23) Vinyl Acetate	4.03	43	3344189	249.415	ug/l	100
24) 1,1-Dichloroethane	3.98	63	713953	48.484	ug/l	98
25) 2-Butanone	4.84	43	585894	238.953	ug/l	99
26) 2,2-Dichloropropane	4.80	77	642512	56.264	ug/l	98
27) cis-1,2-Dichloroethene	4.81	96	399495	44.995	ug/l	99
28) Bromochloromethane	5.16	49	313316	49.078	ug/l	93
29) Tetrahydrofuran	5.20	42	271040	202.093	ug/l	91
30) Chloroform	5.34	83	796285	49.613	ug/l	97
31) Cyclohexane	5.60	56	479773	49.322	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	644522	49.590	ug/l	97
36) 1,1-Dichloropropene	5.76	75	527297	48.616	ug/l	99
37) Ethyl Acetate	4.93	43	282226	42.728	ug/l	98
38) Carbon Tetrachloride	5.74	117	559745	50.056	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	483801	47.031	ug/l	99
40) Benzene	6.02	78	1256539	48.277	ug/l	98
41) Methacrylonitrile	5.14	41	129575	40.728	ug/l	92
42) 1,2-Dichloroethane	6.14	62	523197	45.493	ug/l	99
43) Isopropyl Acetate	7.63	43	371315	44.764	ug/l #	98
44) Trichloroethene	6.99	130	395968	46.463	ug/l	92
45) 1,2-Dichloropropane	7.36	63	333303	46.235	ug/l	94
46) Dibromomethane	7.47	93	227633	43.908	ug/l	90
47) Bromodichloromethane	7.76	83	584004	50.344	ug/l	98
48) Methyl methacrylate	7.52	41	225134	44.549	ug/l	98
49) 1,4-Dioxane	7.50	88	45947	906.557	ug/l #	76
51) 4-Methyl-2-Pentanone	8.61	43	1212564	219.371	ug/l	100
52) Toluene	8.81	92	688876	44.316	ug/l	96
53) t-1,3-Dichloropropene	9.19	75	487405	50.280	ug/l	98
54) cis-1,3-Dichloropropene	8.37	75	572544	51.010	ug/l	99
55) 1,1,2-Trichloroethane	9.47	97	257826	45.684	ug/l	98
56) Ethyl methacrylate	9.32	69	301099	46.755	ug/l	97
57) 1,3-Dichloropropane	9.68	76	442080	47.895	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.20	63	725033	218.696	ug/l	96
59) 2-Hexanone	9.79	43	929683	236.649	ug/l	97
60) Dibromochloromethane	9.97	129	383495	48.524	ug/l	94
61) 1,2-Dibromoethane	10.10	107	291754	46.423	ug/l	97
64) Tetrachloroethene	9.53	164	368704	44.477	ug/l	98
65) Chlorobenzene	10.73	112	829214	47.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.86	131	341411	51.475	ug/l	95
67) Ethyl Benzene	10.87	91	1438227	49.328	ug/l	99
68) m/p-Xylenes	11.02	106	948640	98.065	ug/l	94
69) o-Xylene	11.41	106	436542	45.646	ug/l	95
70) Styrene	11.44	104	768882	46.901	ug/l	97
71) Bromoform	11.61	173	281395	51.213	ug/l	97
73) Isopropylbenzene	11.78	105	1309469	48.403	ug/l	98
74) N-amyl acetate	11.66	43	494873	48.079	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.08	83	304985	48.052	ug/l	92
76) 1,2,3-Trichloropropane	12.12	75	334986	50.659	ug/l	98
77) Bromobenzene	12.05	156	426701	50.113	ug/l	89
78) n-propylbenzene	12.16	91	1728015	50.433	ug/l	97
79) 2-Chlorotoluene	12.23	91	992458	49.323	ug/l	94
80) 1,3,5-Trimethylbenzene	12.32	105	1070596	49.709	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	84281	56.075	ug/l	87
82) 4-Chlorotoluene	12.33	91	1128671	49.467	ug/l	94
83) tert-Butylbenzene	12.58	119	1218414	53.184	ug/l	90
84) 1,2,4-Trimethylbenzene	12.63	105	1113064	48.834	ug/l	98
85) sec-Butylbenzene	12.76	105	1449188	51.551	ug/l	100
86) p-Isopropyltoluene	12.90	119	1194940	52.737	ug/l	98
87) 1,3-Dichlorobenzene	12.85	146	719201	51.341	ug/l	97
88) 1,4-Dichlorobenzene	12.94	146	698639	50.540	ug/l	95
89) n-Butylbenzene	13.20	91	1196919	53.515	ug/l	97
90) Hexachloroethane	13.41	117	332395	58.799	ug/l	77
91) 1,2-Dichlorobenzene	13.20	146	589233	49.611	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.78	75	49818	47.601	ug/l	57

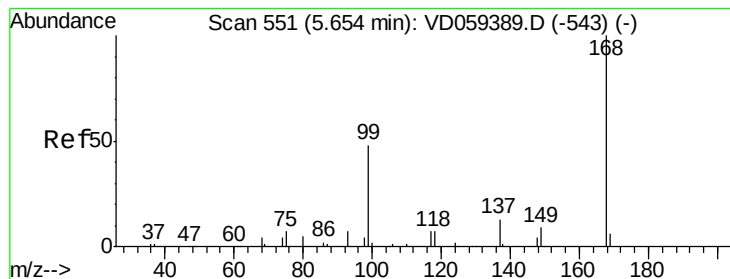
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	600301	54.669	ug/l	95
94) Hexachlorobutadiene	14.44	225	467769	56.611	ug/l	98
95) Naphthalene	14.52	128	733651	47.939	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	526820	53.359	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

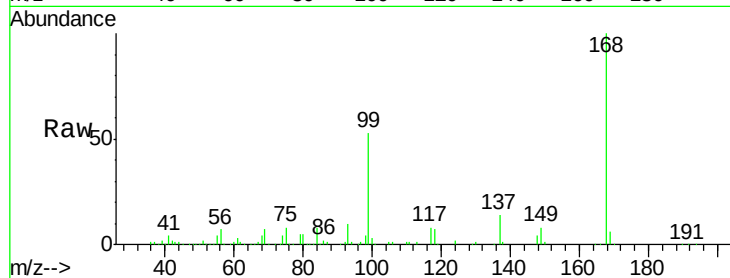
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 906878

Ion Ratio Lower Upper

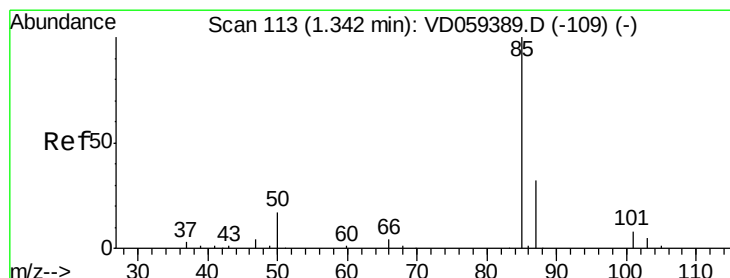
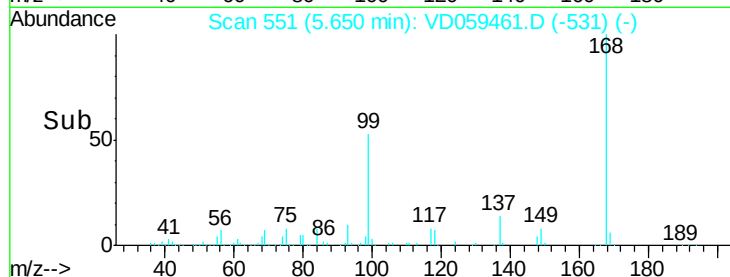
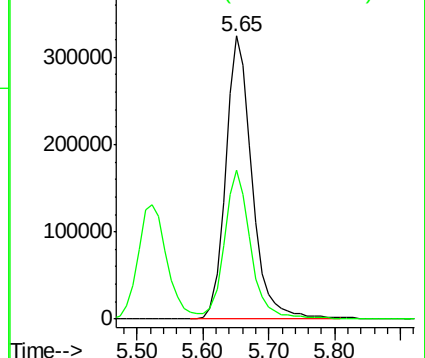
168 100

99 52.7 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 45.096 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD059461.D

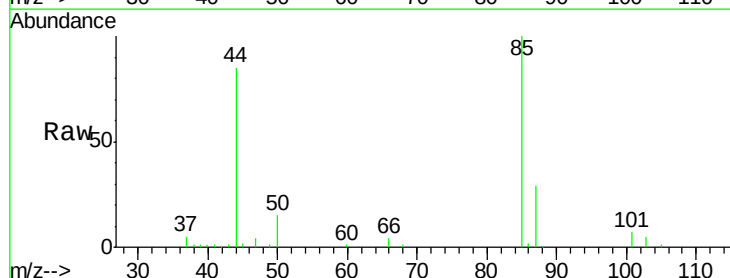
Acq: 28 Jun 2018 14:11

Tgt Ion: 85 Resp: 363867

Ion Ratio Lower Upper

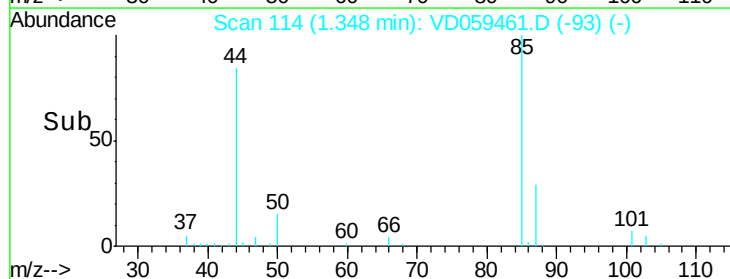
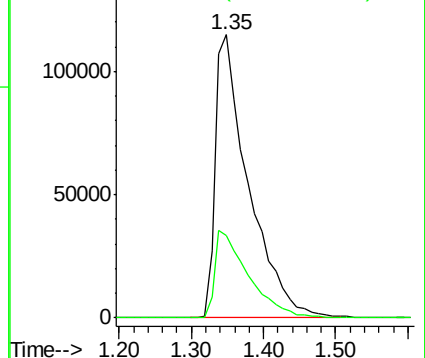
85 100

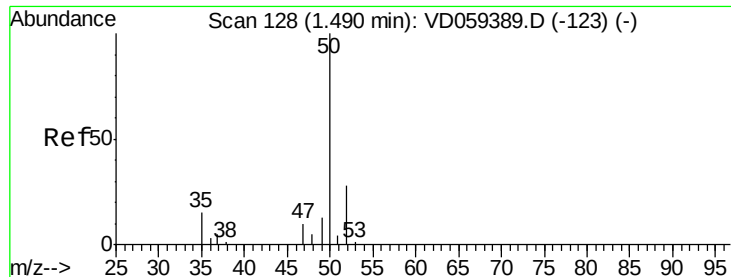
87 29.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.485 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

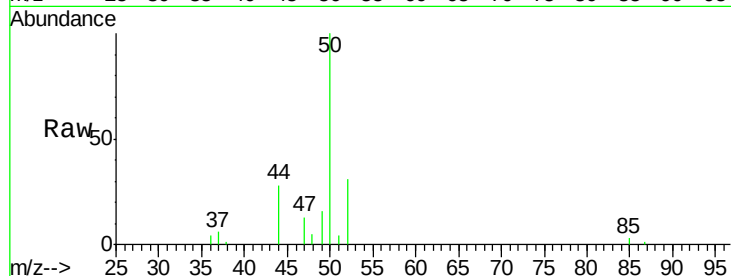
ClientSampled :

Tot Ion: 50 Resp: 169976

Ion Ratio Lower Upper

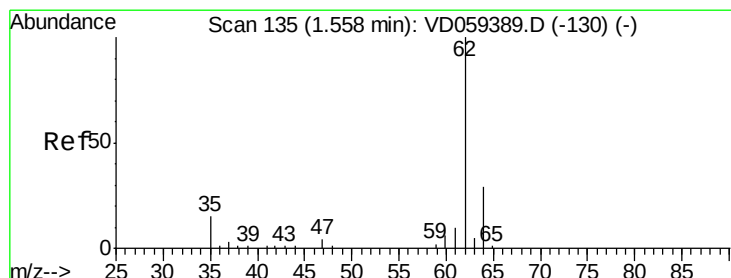
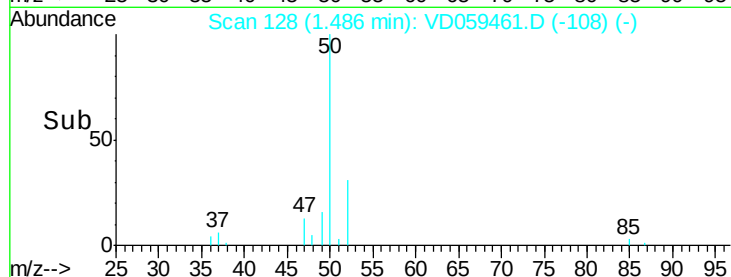
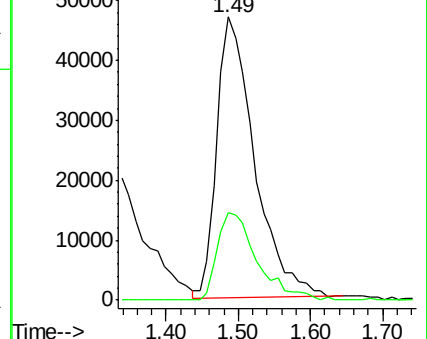
50 100

52 30.8 21.8 32.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.359 ug/l

RT: 1.56 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD059461.D

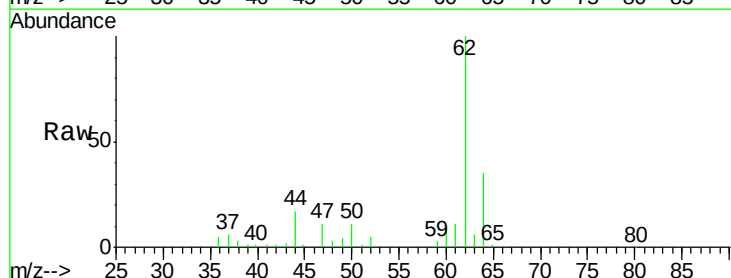
Acq: 28 Jun 2018 14:11

Tgt Ion: 62 Resp: 184504

Ion Ratio Lower Upper

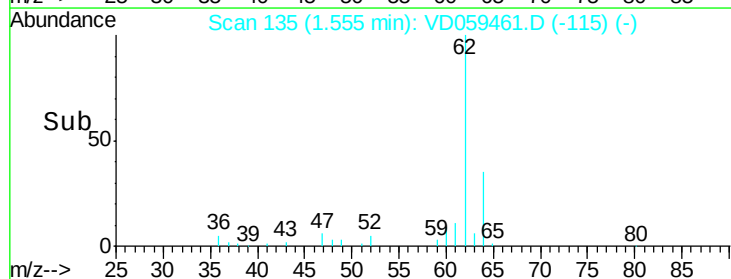
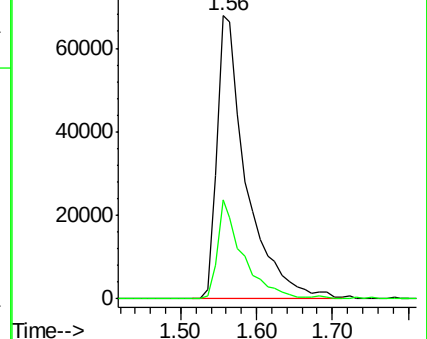
62 100

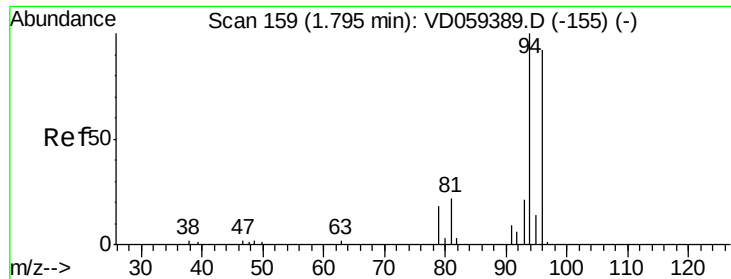
64 35.2 23.0 34.6#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.893 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

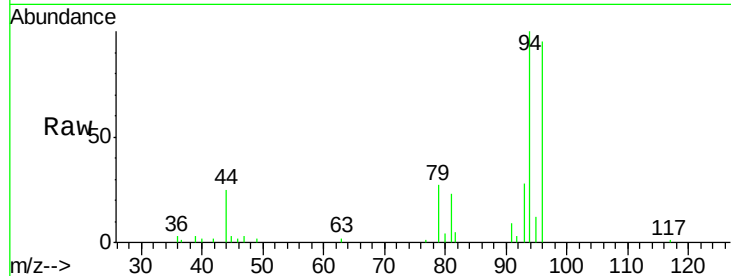
ClientSampleId :

Tot Ion: 94 Resp: 77359

Ion Ratio Lower Upper

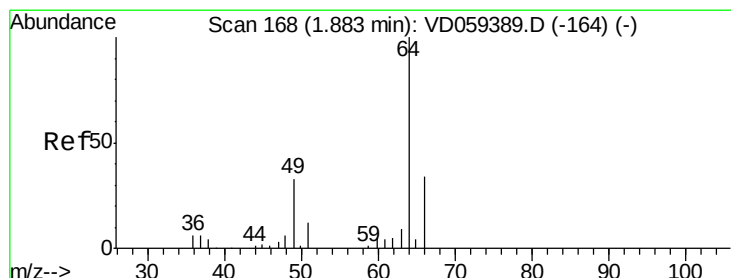
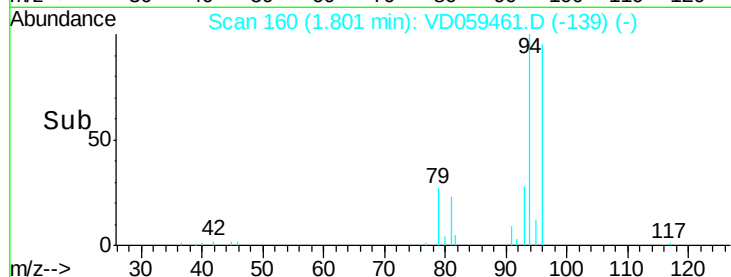
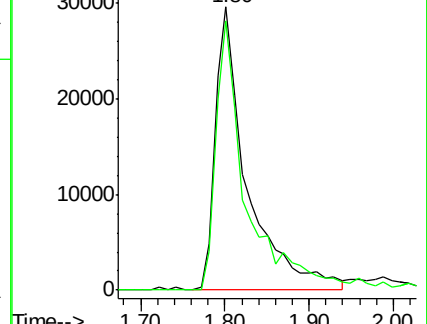
94 100

96 95.1 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.504 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD059461.D

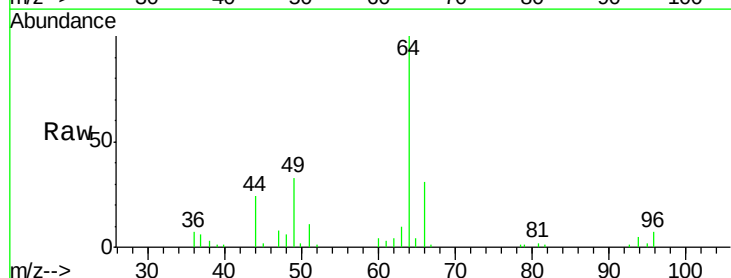
Acq: 28 Jun 2018 14:11

Tgt Ion: 64 Resp: 93635

Ion Ratio Lower Upper

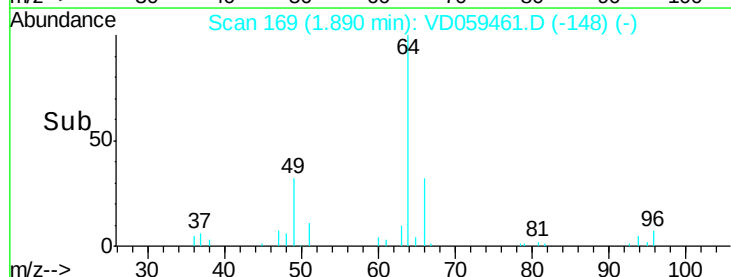
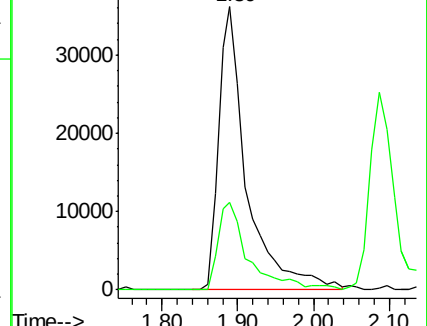
64 100

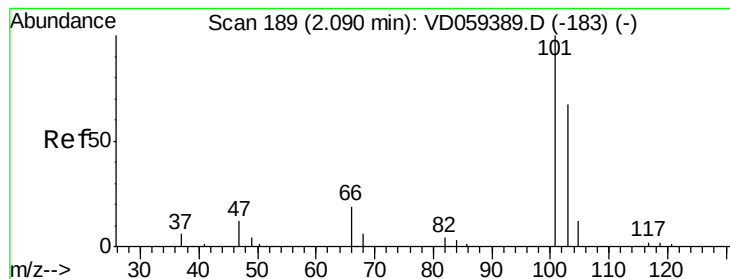
66 31.1 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



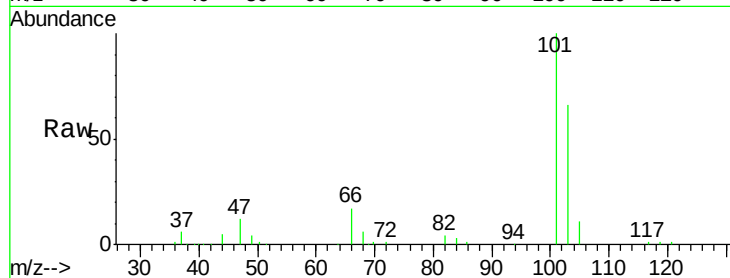


#7

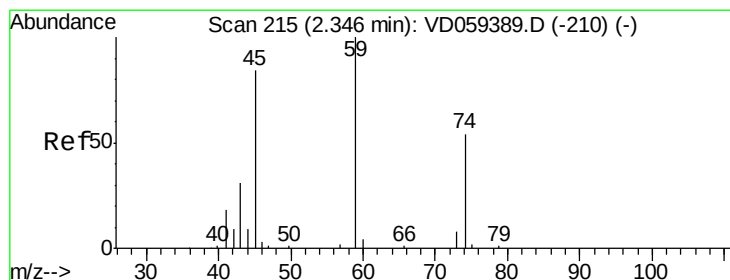
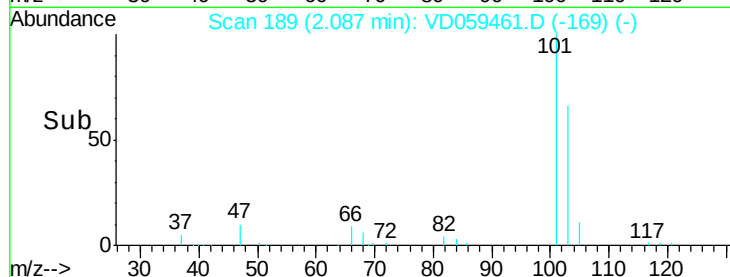
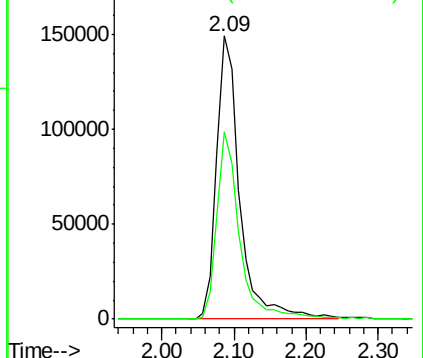
Trichlorofluoromethane
Concen: 52.507 ug/l
RT: 2.09 min Scan# 189
Delta R.T. -0.00 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 329784
Ion Ratio Lower Upper
101 100
103 66.1 53.4 80.0



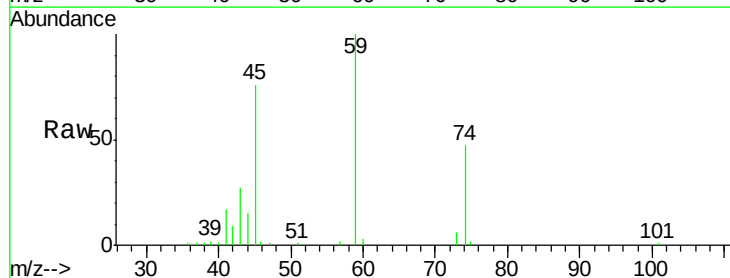
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



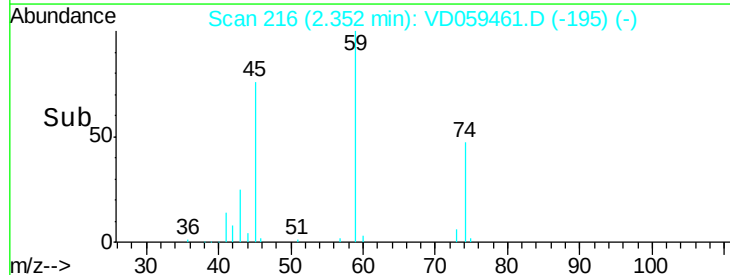
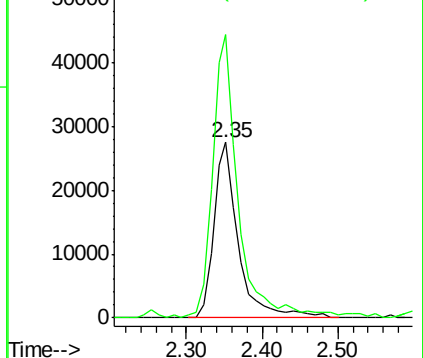
#8

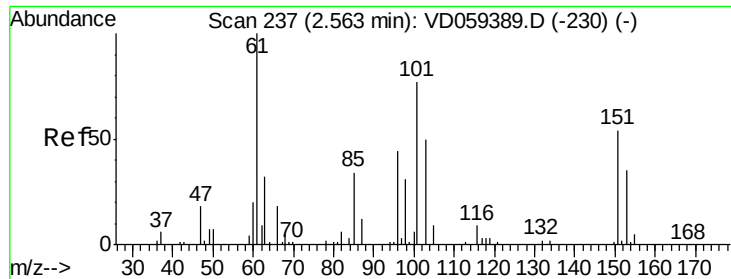
Diethyl Ether
Concen: 43.669 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Tgt Ion: 74 Resp: 62060
Ion Ratio Lower Upper
74 100
45 161.4 78.0 233.8



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: 54.045 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

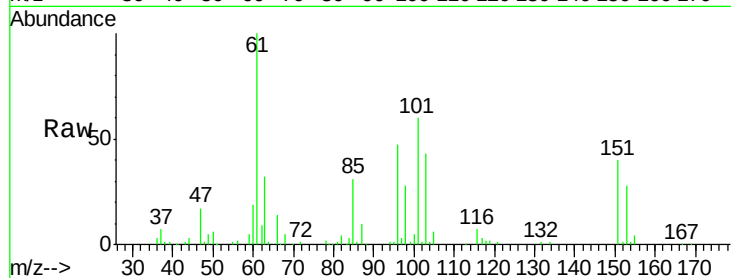
Tot Ion:101 Resp: 210940

Ion Ratio Lower Upper

101 100

85 51.8 35.7 53.5

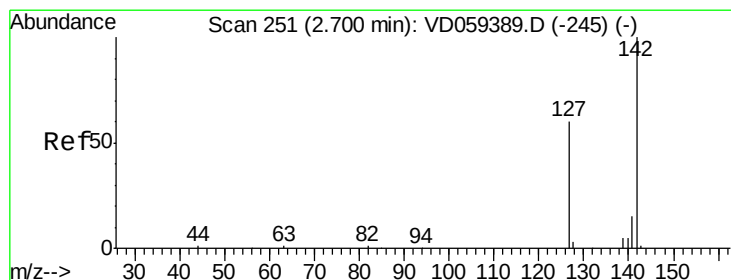
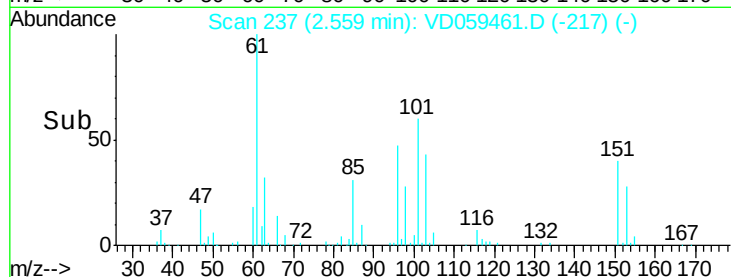
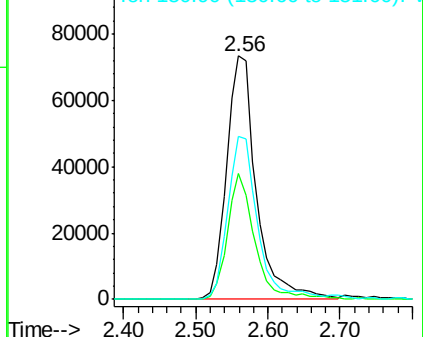
151 66.8 55.8 83.8



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: 47.867 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

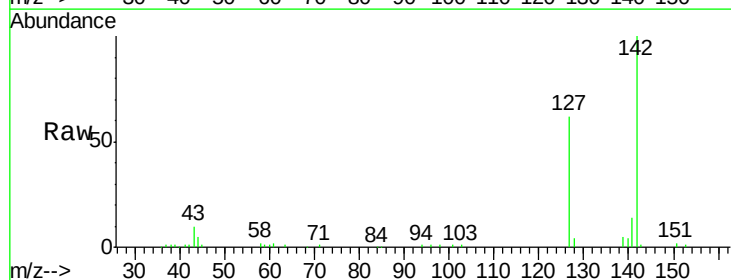
Tgt Ion:142 Resp: 218225

Ion Ratio Lower Upper

142 100

127 61.9 48.4 72.6

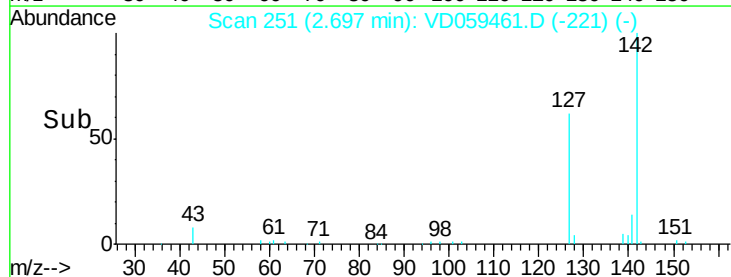
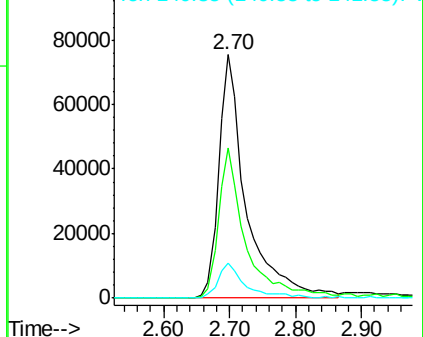
141 14.4 12.1 18.1

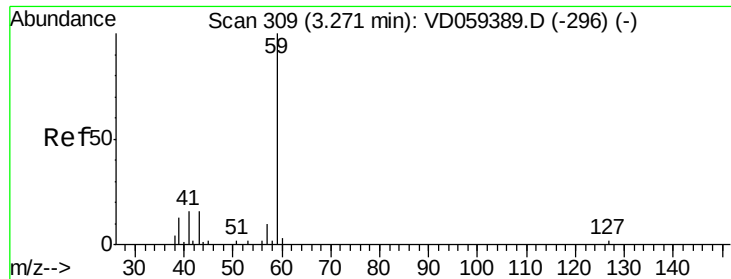


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

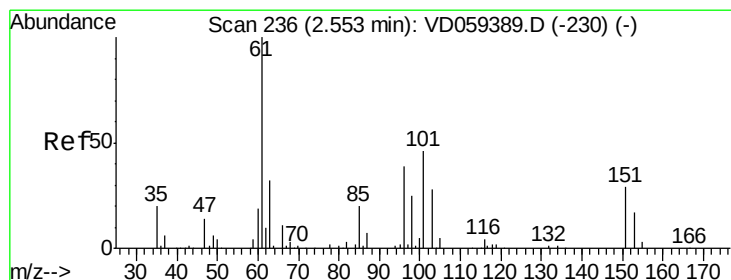
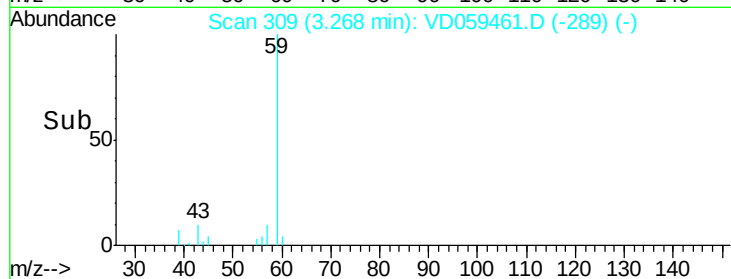
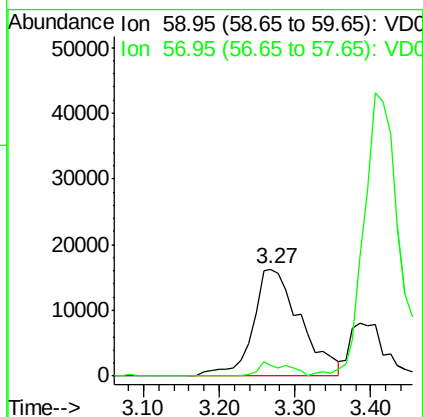
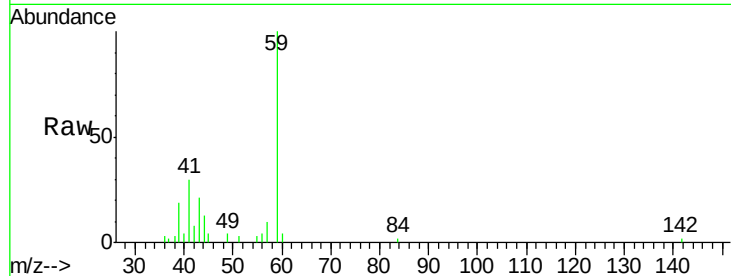




#11
Tert butyl alcohol
Concen: 222.262 ug/l
RT: 3.27 min Scan# 309
Delta R.T. -0.00 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

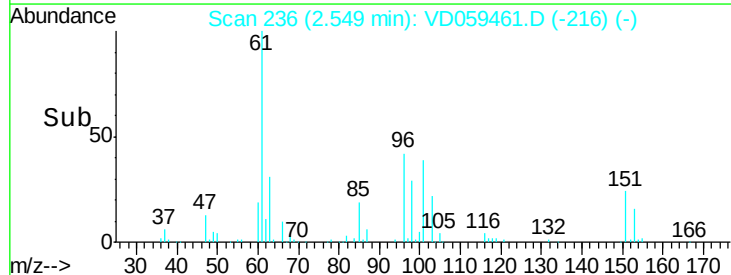
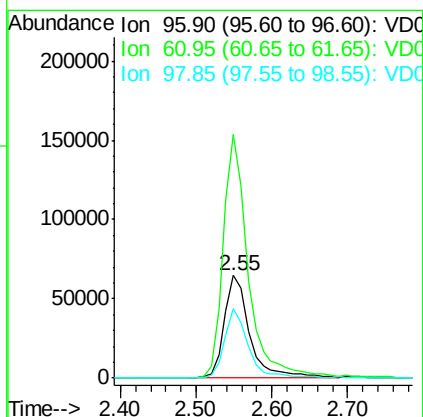
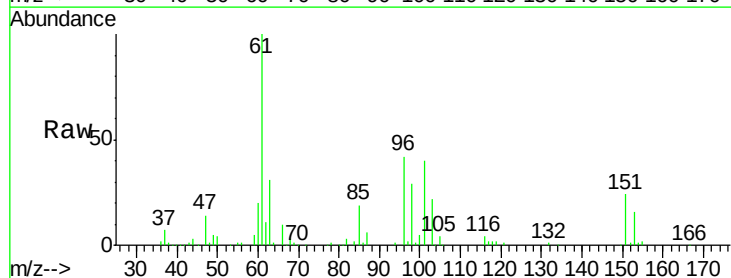
Instrument :
MSVOA_D
ClientSampleId :

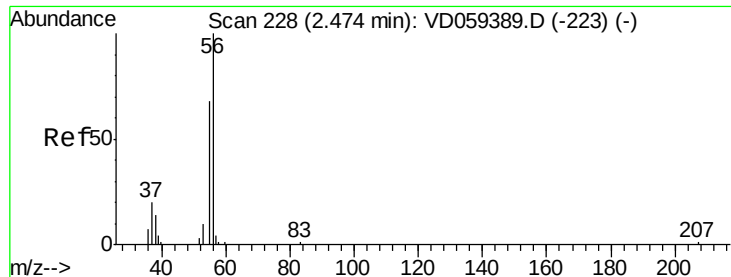
Tot Ion: 59 Resp: 71310
Ion Ratio Lower Upper
59 100
57 10.0 8.3 12.5



#12
1,1-Dichloroethene
Concen: 50.913 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.00 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Tgt Ion: 96 Resp: 152136
Ion Ratio Lower Upper
96 100
61 237.1 205.4 308.0
98 67.6 51.0 76.4





#13

Acrolein

Concen: 379.229 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

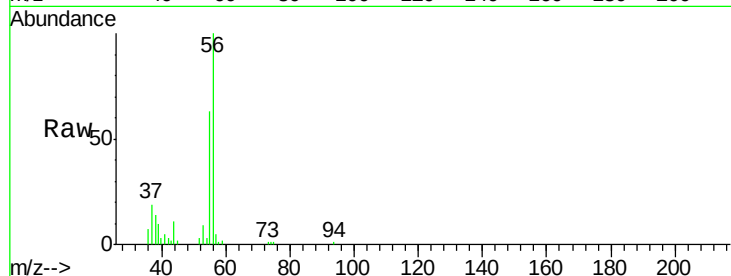
ClientSampleId :

Tot Ion: 56 Resp: 108771

Ion Ratio Lower Upper

56 100

55 63.4 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

40000

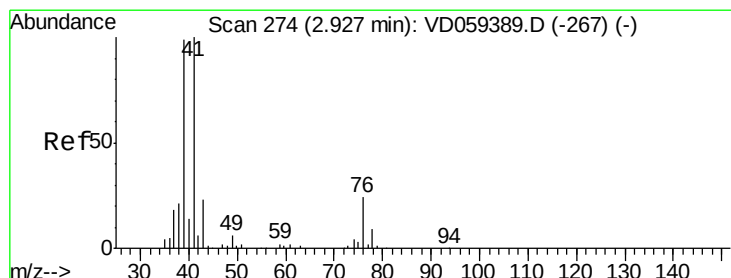
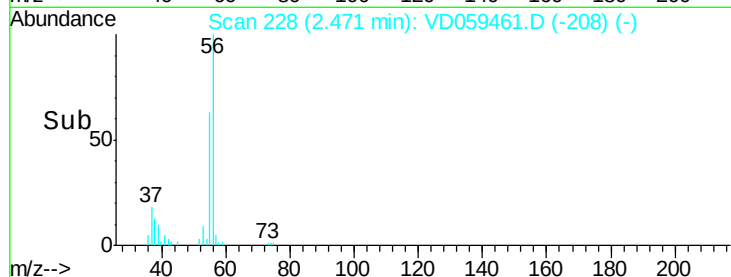
30000

20000

10000

0

Time--> 2.30 2.40 2.50 2.60



#14

Allyl chloride

Concen: 47.913 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

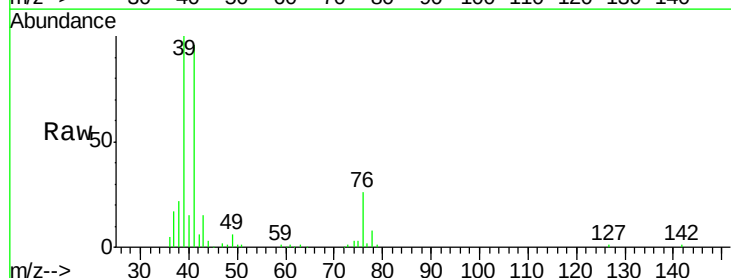
Tgt Ion: 41 Resp: 327707

Ion Ratio Lower Upper

41 100

39 103.7 79.1 118.7

76 26.8 21.9 32.9



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

200000

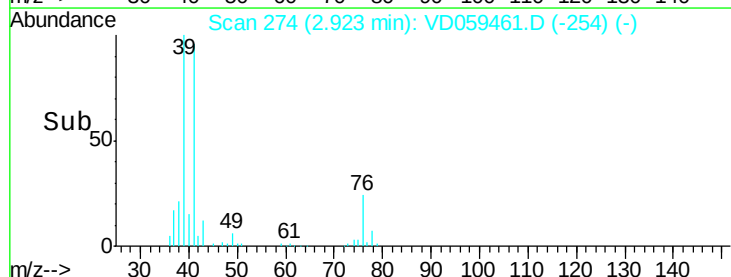
150000

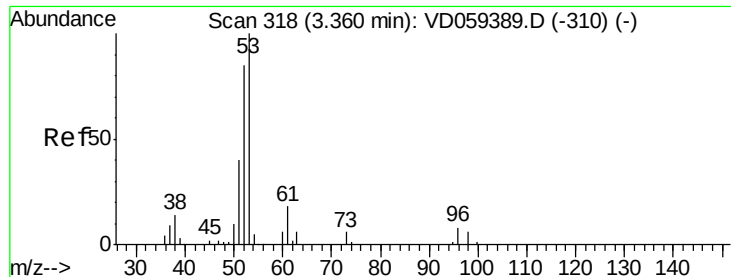
100000

50000

0

Time--> 2.80 2.90 3.00 3.10





#15

Acrylonitrile

Concen: 260.432 ug/l

RT: 3.38 min Scan# 320

Delta R.T. 0.02 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

ClientSampled :

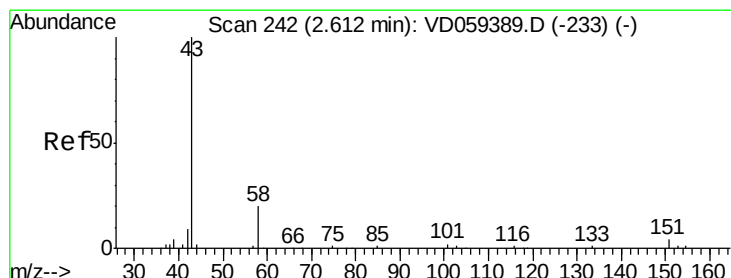
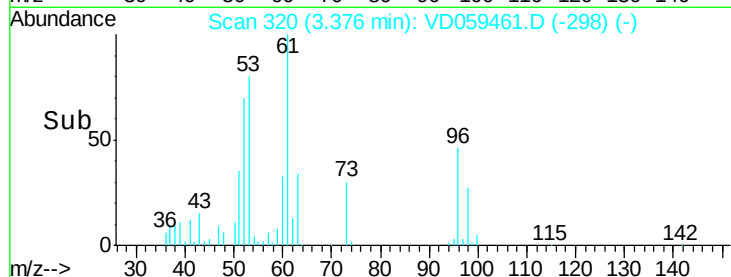
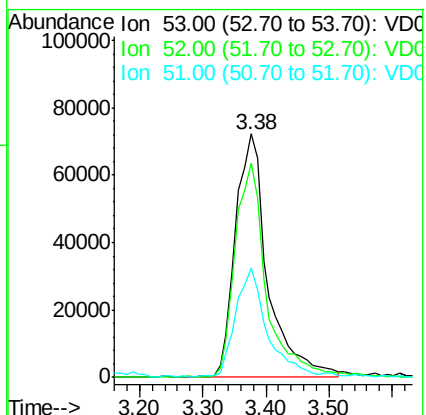
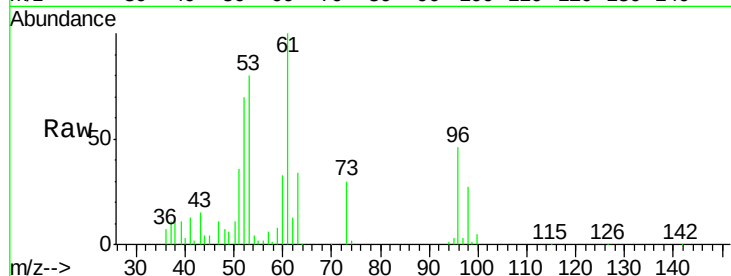
Tot Ion: 53 Resp: 256441

Ion Ratio Lower Upper

53 100

52 87.9 67.9 101.9

51 44.9 32.2 48.4



#16

Acetone

Concen: 282.483 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD059461.D

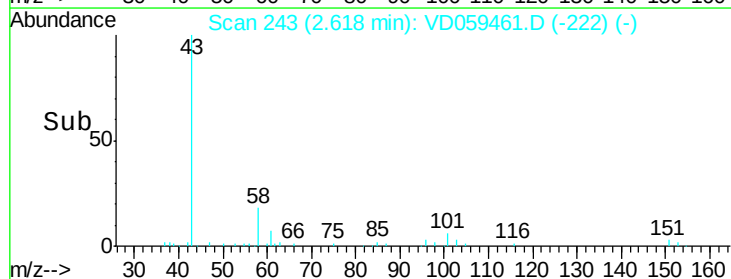
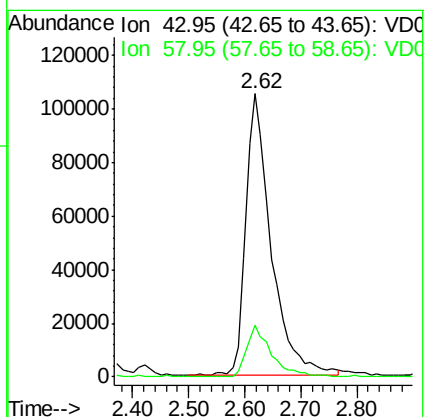
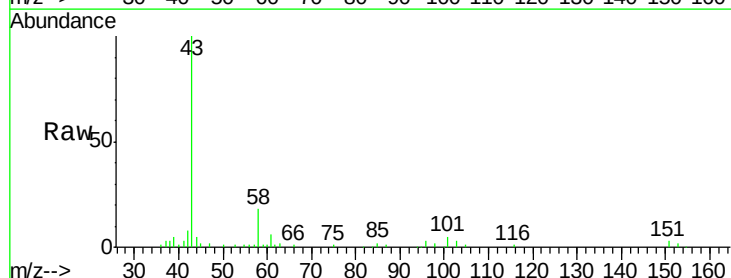
Acq: 28 Jun 2018 14:11

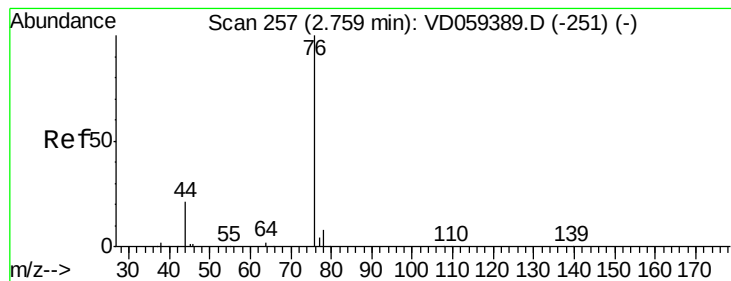
Tgt Ion: 43 Resp: 330639

Ion Ratio Lower Upper

43 100

58 18.1 16.8 25.2





#17

Carbon Disulfide

Concen: 44.971 ug/l

RT: 2.77 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

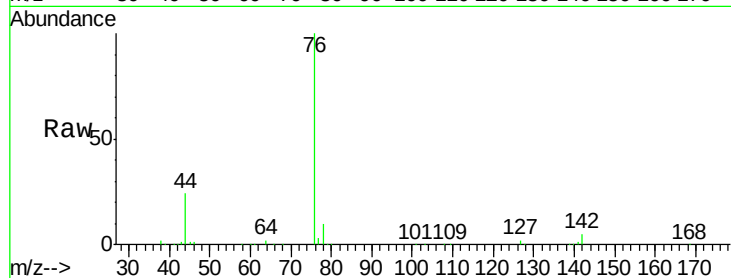
ClientSampleId :

Tot Ion: 76 Resp: 411572

Ion Ratio Lower Upper

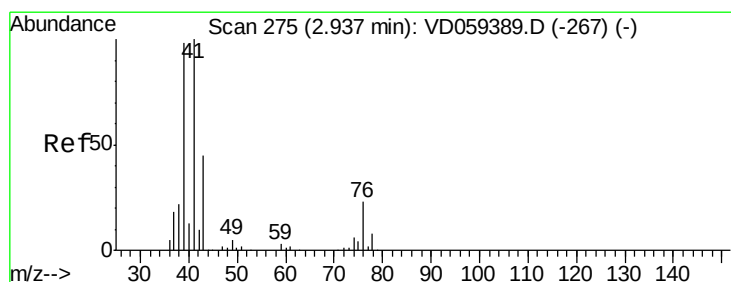
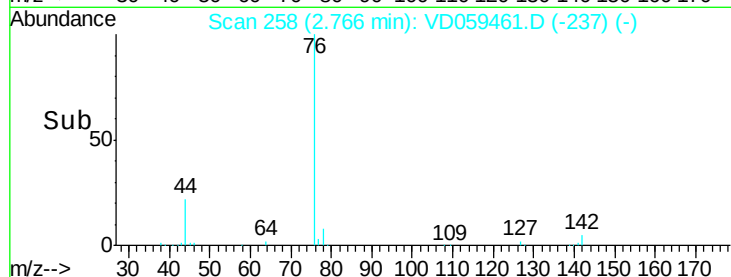
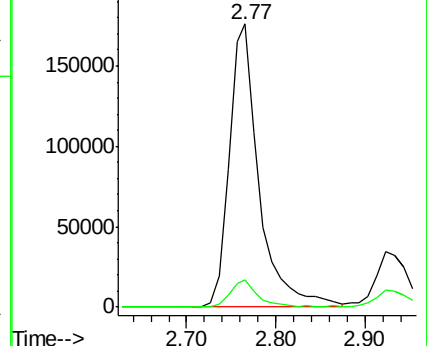
76 100

78 9.5 6.6 9.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 48.358 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.01 min

Lab File: VD059461.D

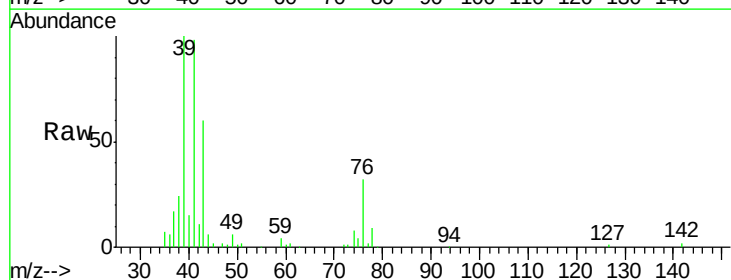
Acq: 28 Jun 2018 14:11

Tgt Ion: 43 Resp: 120655

Ion Ratio Lower Upper

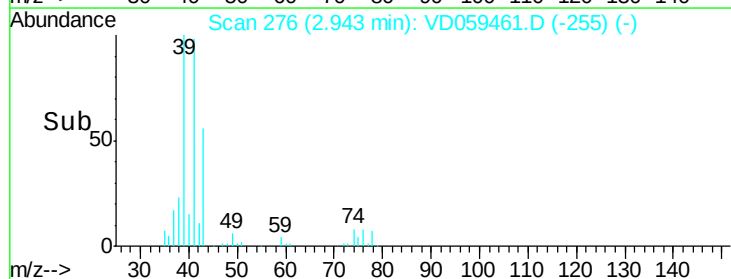
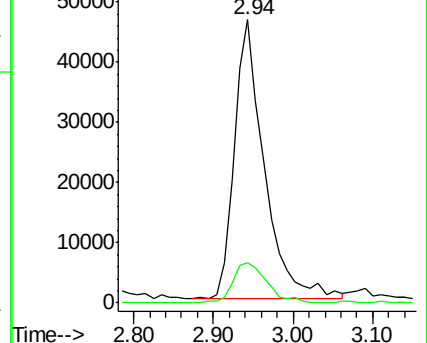
43 100

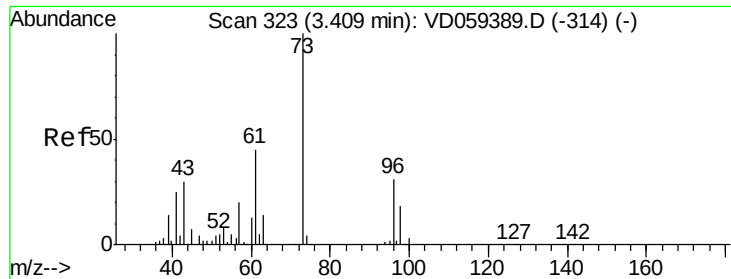
74 14.1 11.0 16.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

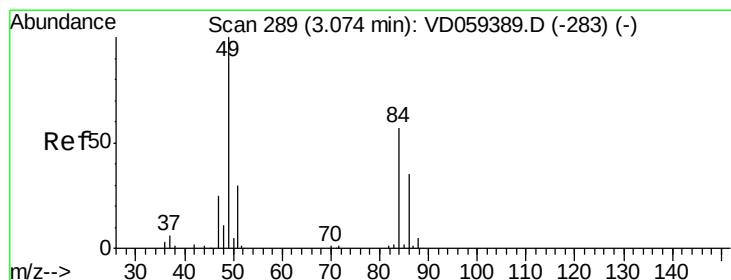
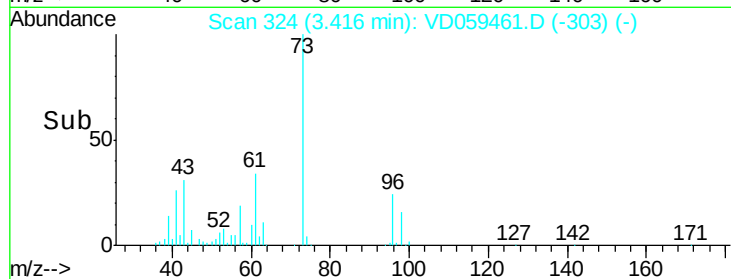
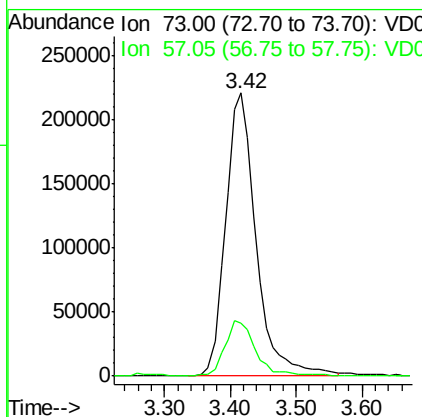
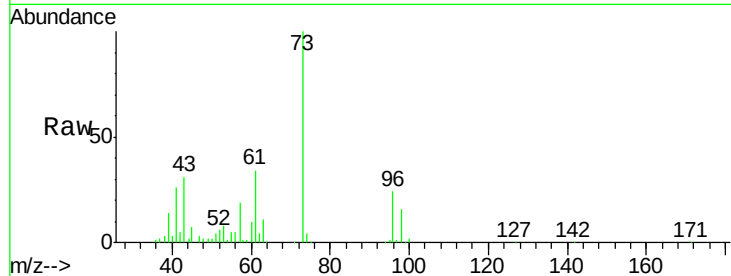




#19
Methvl tert-butvl Ether
Concen: 48.654 ug/l
RT: 3.42 min Scan# 324
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

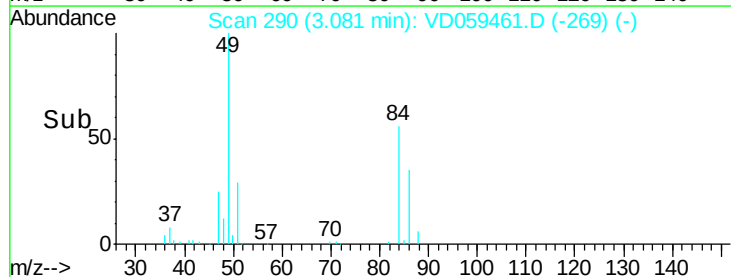
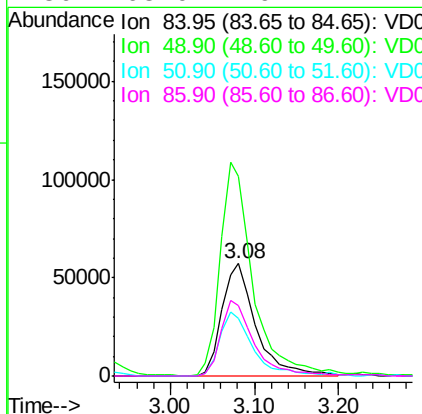
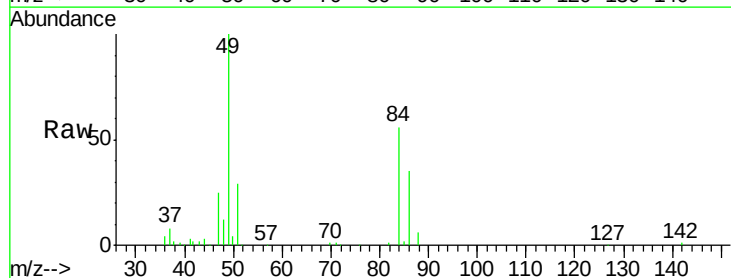
Instrument :
MSVOA_D
ClientSampleId :

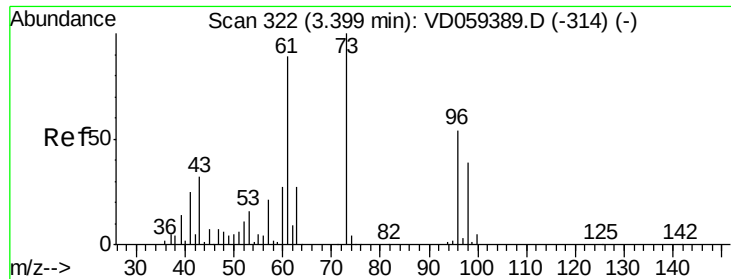
Tot Ion: 73 Resp: 715625
Ion Ratio Lower Upper
73 100
57 18.9 16.1 24.1



#20
Methylene Chloride
Concen: 49.317 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Tgt Ion: 84 Resp: 160198
Ion Ratio Lower Upper
84 100
49 177.9 140.3 210.5
51 51.0 41.6 62.4
86 63.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 57.240 ug/l

RT: 3.40 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

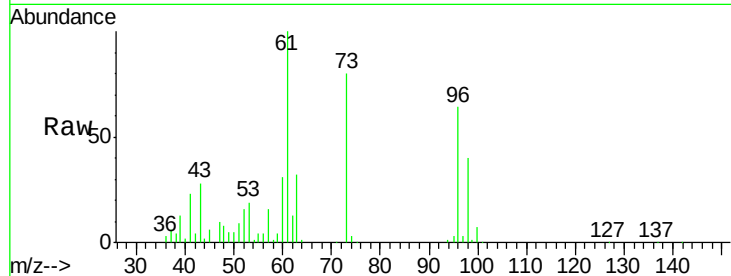
Tot Ion: 96 Resp: 302426

Ion Ratio Lower Upper

96 100

61 156.8 131.0 196.4

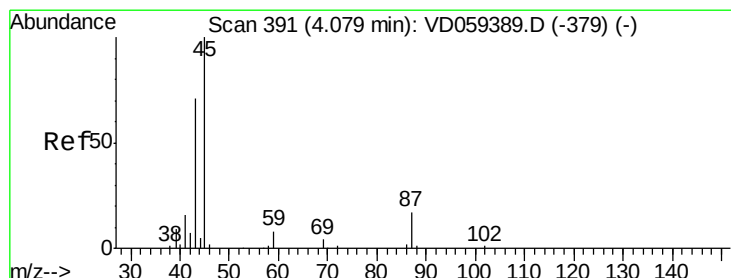
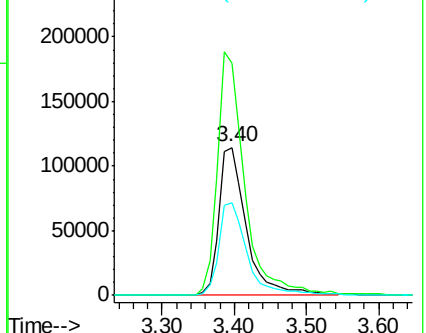
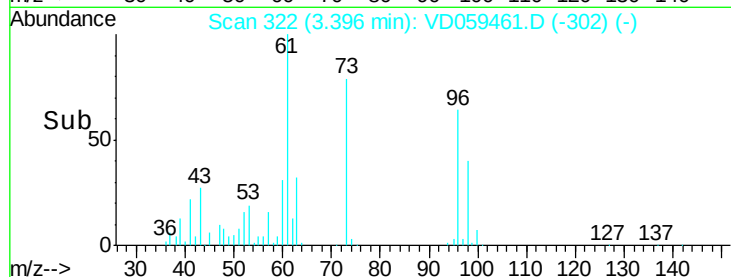
98 62.7 56.8 85.2



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



#22

Diisopropyl ether

Concen: 45.870 ug/l

RT: 4.09 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Tgt Ion: 45 Resp: 1180427

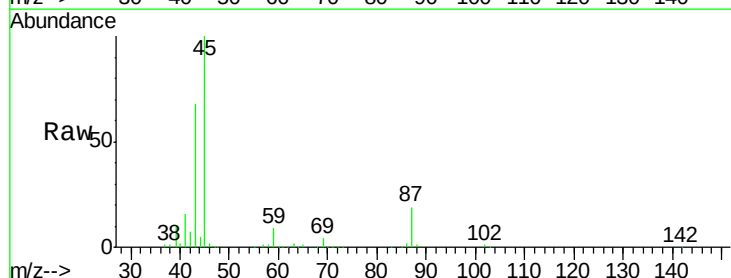
Ion Ratio Lower Upper

45 100

43 67.8 56.9 85.3

87 18.6 14.2 21.4

59 9.2 7.0 10.4

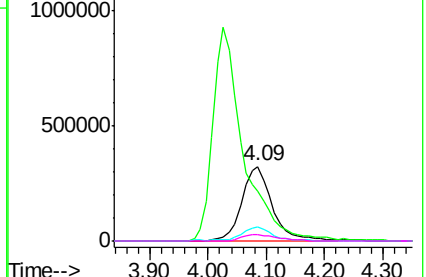
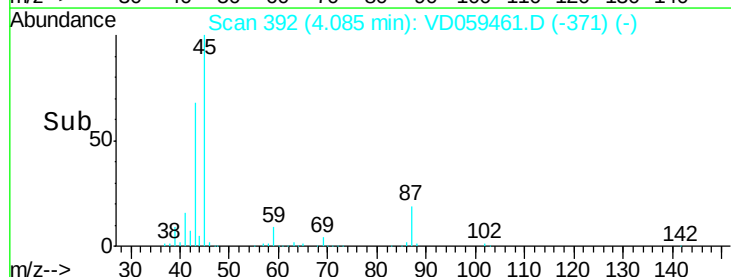


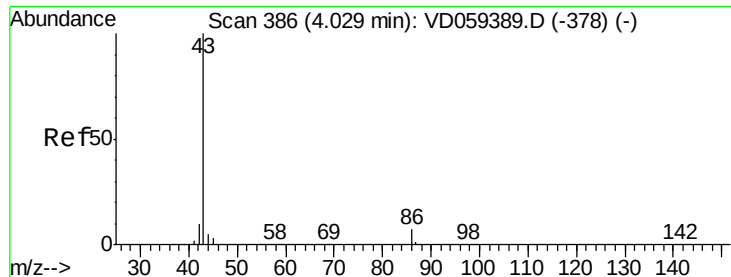
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 249.415 ug/l

RT: 4.03 min Scan# 386

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

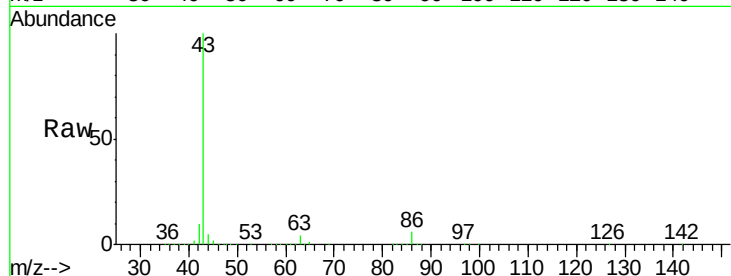
ClientSampleId :

Tot Ion: 43 Resp: 3344189

Ion Ratio Lower Upper

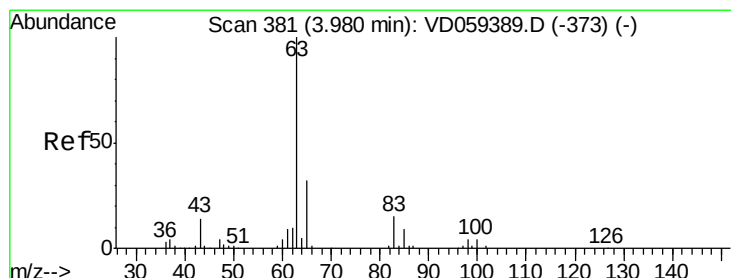
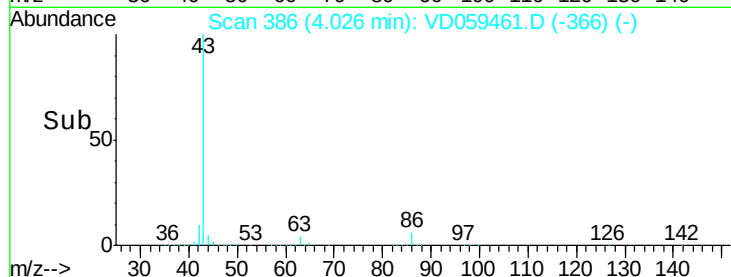
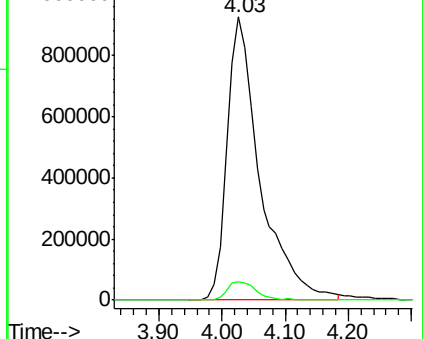
43 100

86 6.4 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.484 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

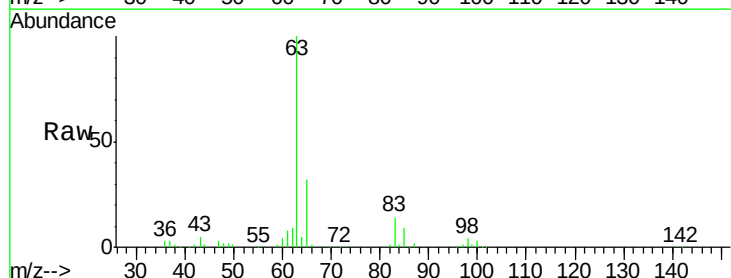
Tgt Ion: 63 Resp: 713953

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.5

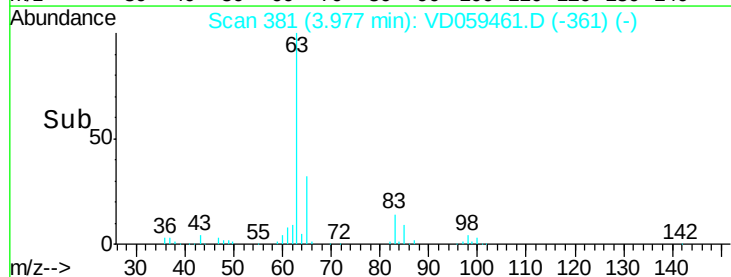
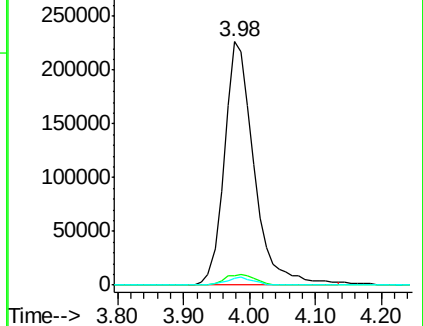
100 2.8 1.8 5.5

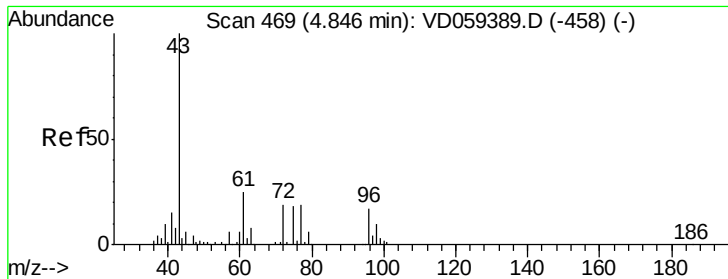


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 238.953 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

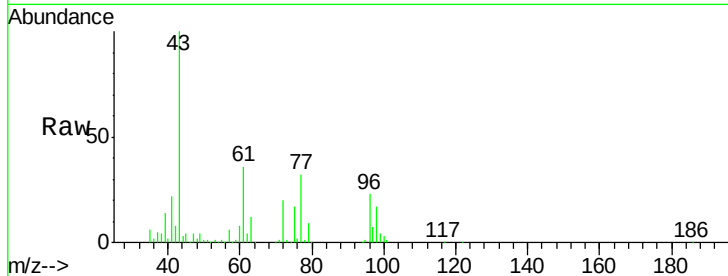
ClientSampleId :

Tot Ion: 43 Resp: 585894

Ion Ratio Lower Upper

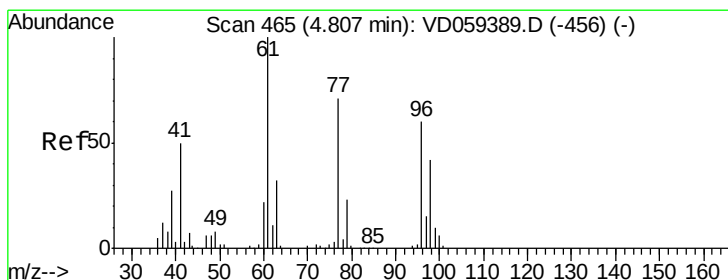
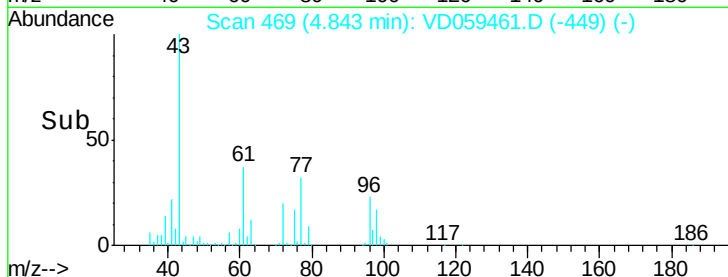
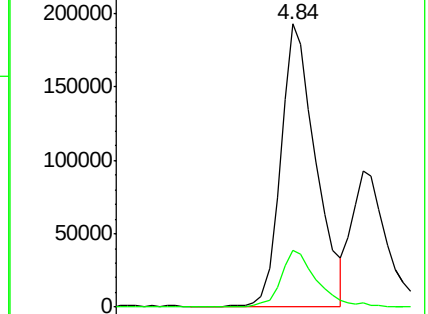
43 100

72 19.9 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 56.264 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059461.D

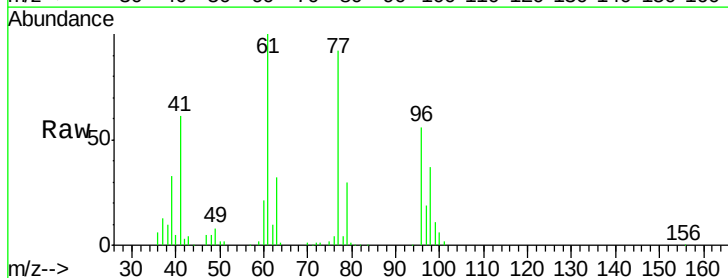
Acq: 28 Jun 2018 14:11

Tgt Ion: 77 Resp: 642512

Ion Ratio Lower Upper

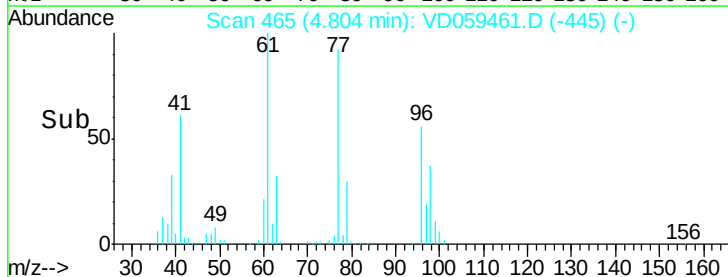
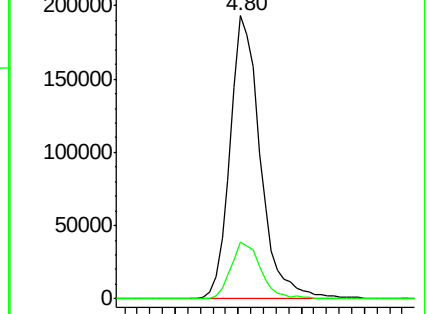
77 100

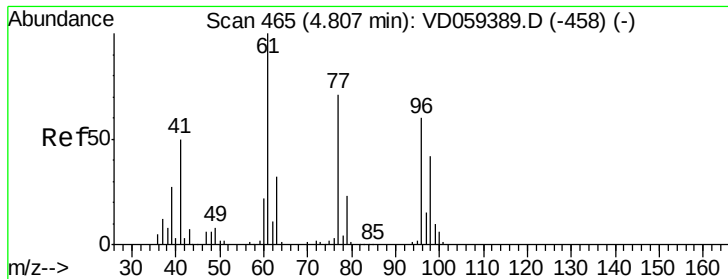
97 20.3 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



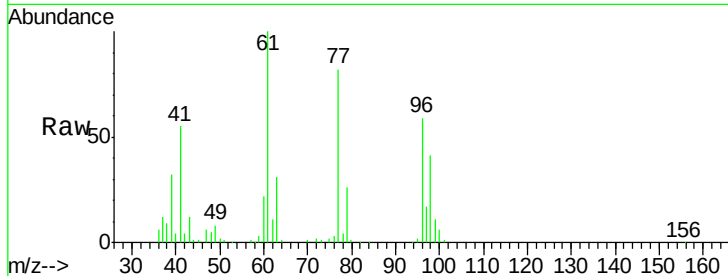


#27

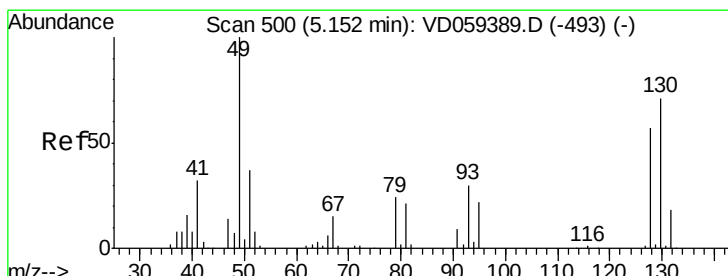
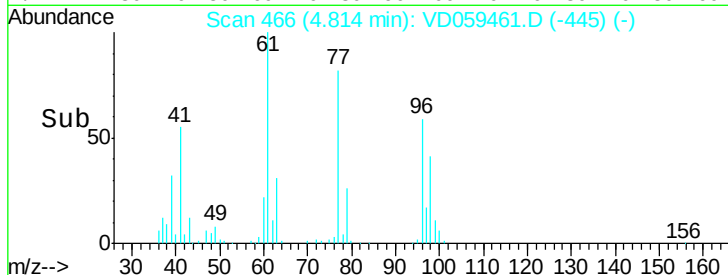
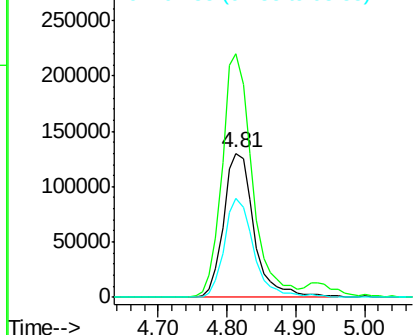
cis-1,2-Dichloroethene
Concen: 44.995 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	96	Resp	399495
Ion	Ratio	Lower	Upper
96	100		
61	168.9	0.0	335.8
98	68.5	0.0	141.0



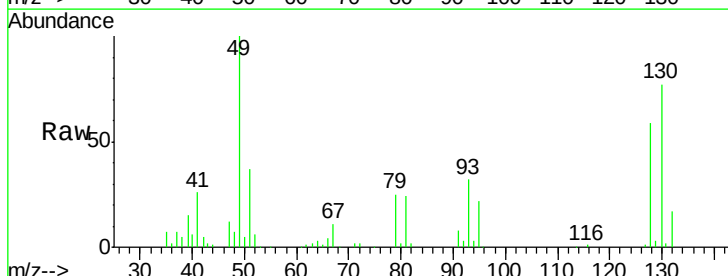
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



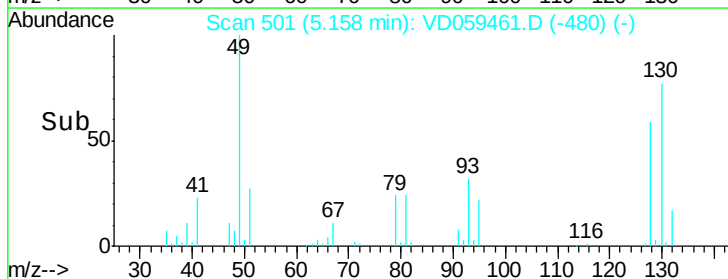
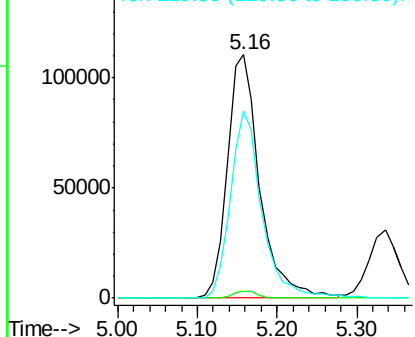
#28

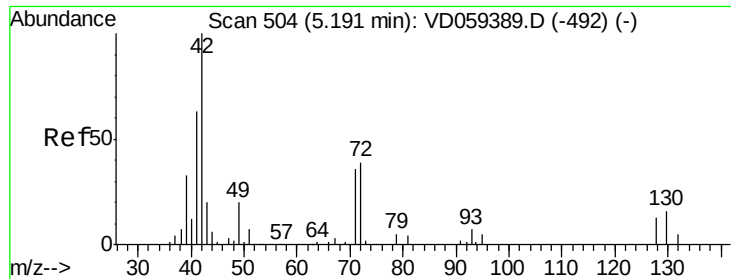
Bromochloromethane
Concen: 49.078 ug/l
RT: 5.16 min Scan# 501
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Tgt Ion	49	Resp	313316
Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	4.4
130	76.8	57.0	85.6



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

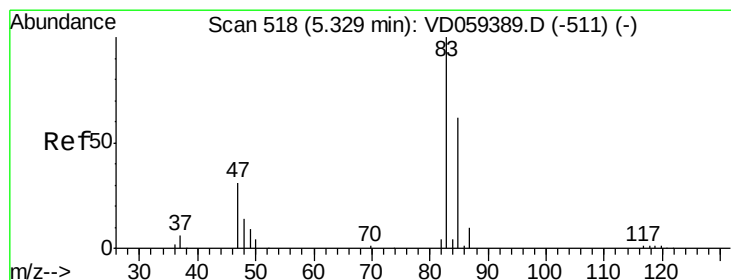
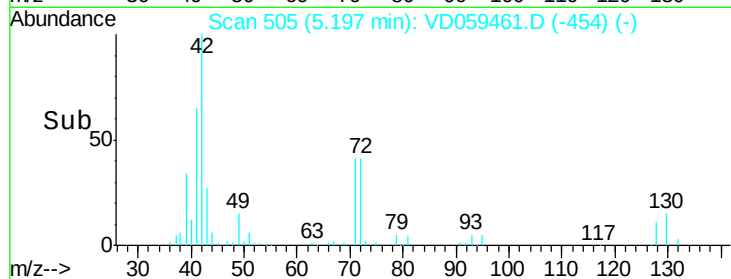
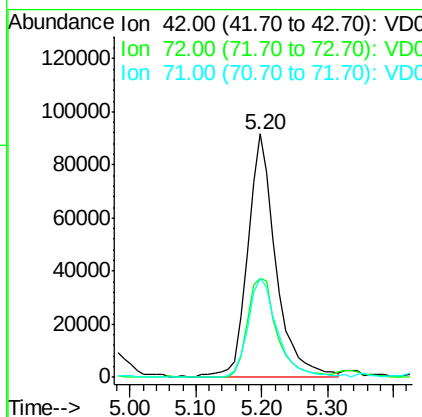
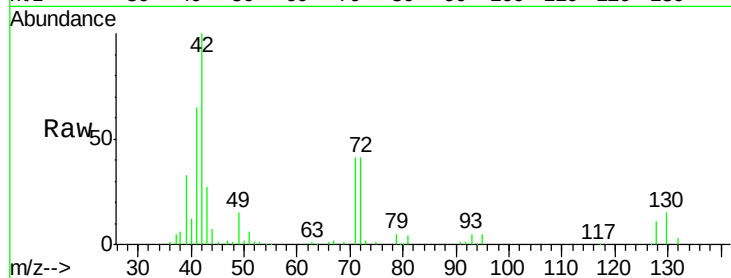




#29
Tetrahydrofuran
Concen: 202.093 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

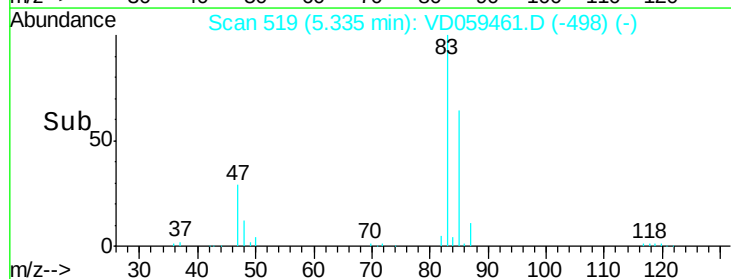
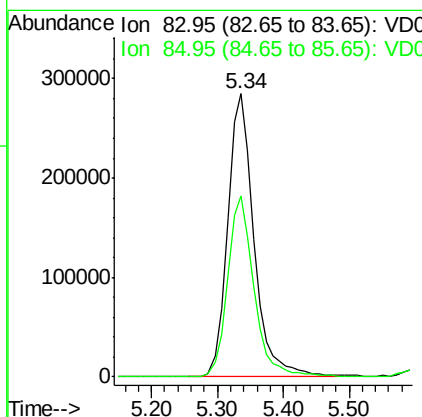
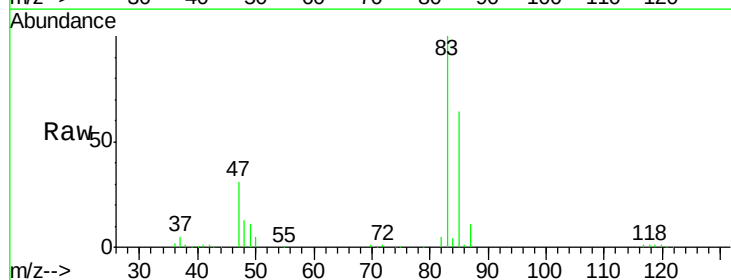
Instrument :
MSVOA_D
ClientSampleId :

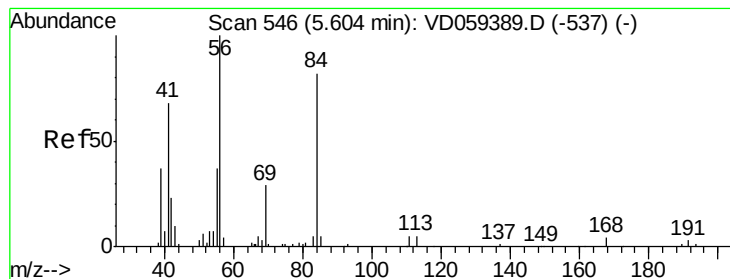
Tot Ion: 42 Resp: 271040
Ion Ratio Lower Upper
42 100
72 43.7 31.4 47.2
71 43.0 29.7 44.5



#30
Chloroform
Concen: 49.613 ug/l
RT: 5.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Tgt Ion: 83 Resp: 796285
Ion Ratio Lower Upper
83 100
85 63.8 49.3 73.9





#31

Cyclohexane

Concen: 49.322 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :

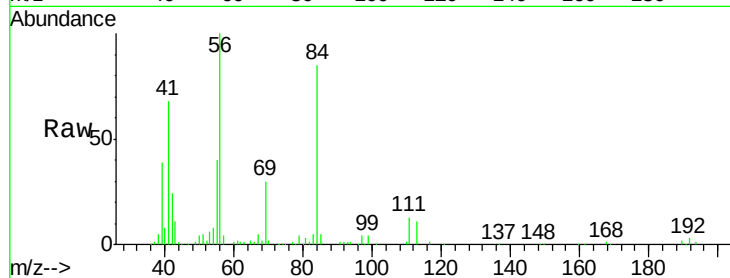
Tot Ion: 56 Resp: 479773

Ion Ratio Lower Upper

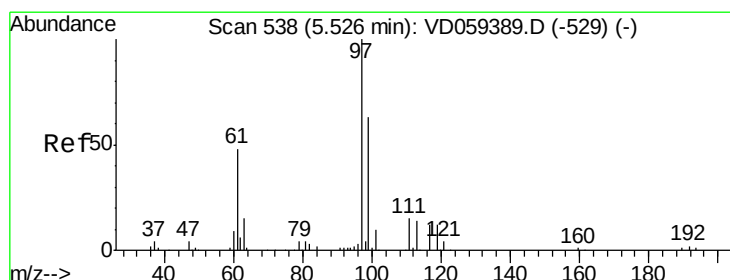
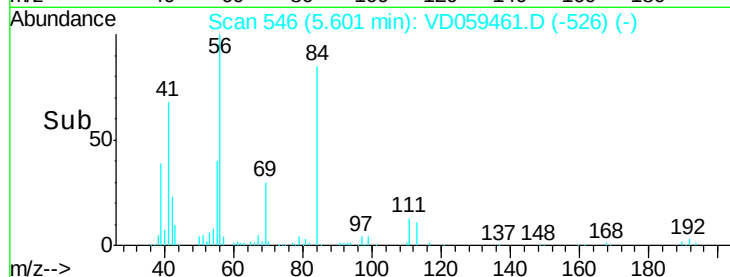
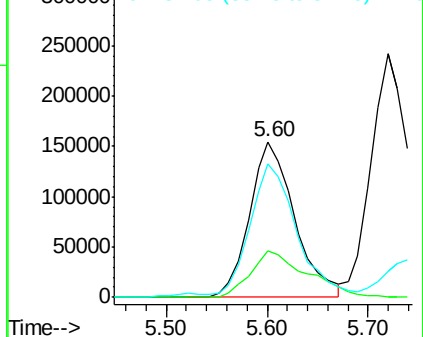
56 100

69 30.1 22.9 34.3

84 85.5 67.3 100.9



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



#32

1,1,1-Trichloroethane

Concen: 49.590 ug/l

RT: 5.52 min Scan# 538

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

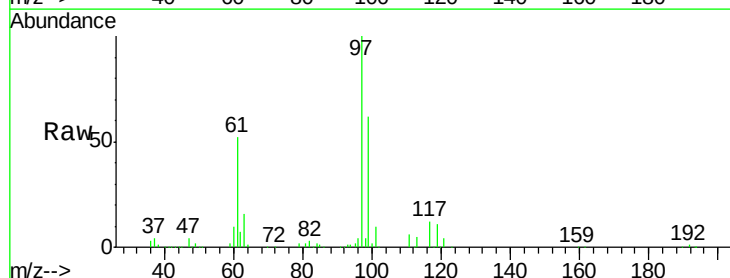
Tgt Ion: 97 Resp: 644522

Ion Ratio Lower Upper

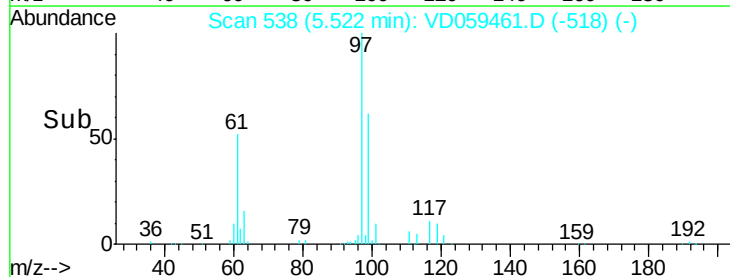
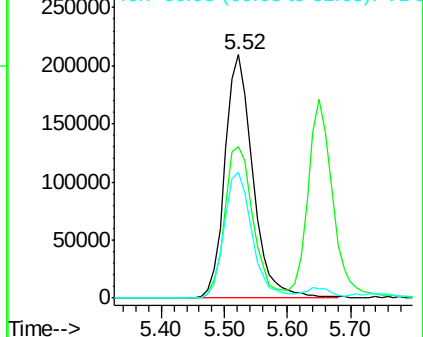
97 100

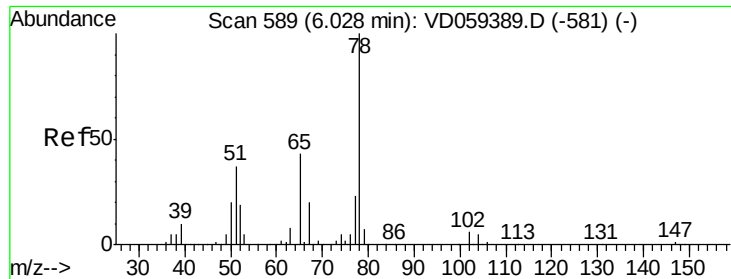
99 62.4 50.2 75.4

61 51.8 38.6 57.8



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

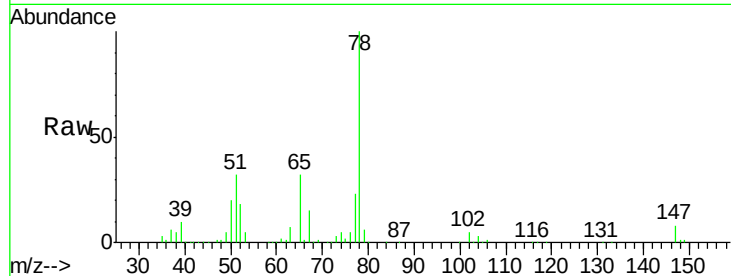




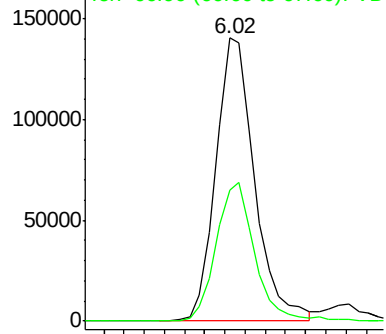
#33
 1,2-Dichloroethane-d4
 Concen: 49.590 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :

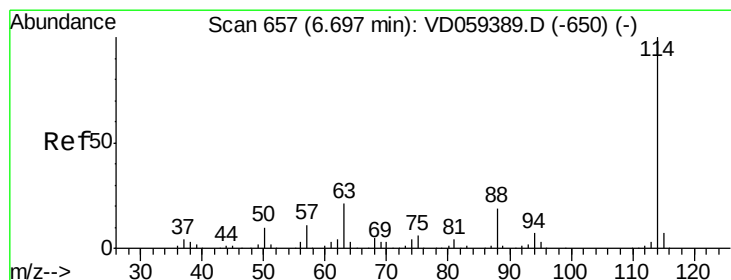
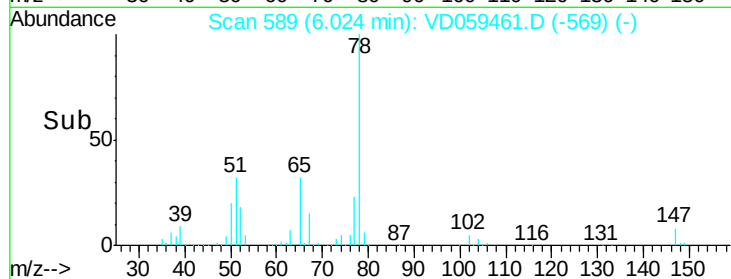
Tot Ion: 65 Resp: 375818
 Ion Ratio Lower Upper
 65 100
 67 46.5 0.0 93.8



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

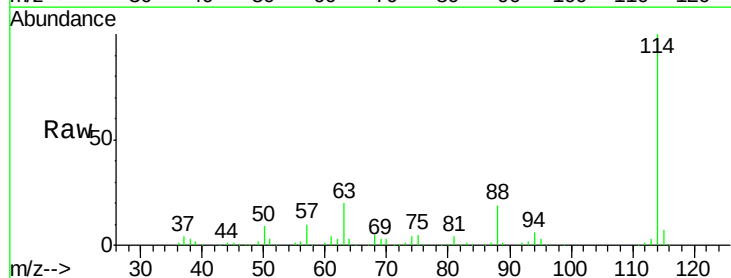


Time-->

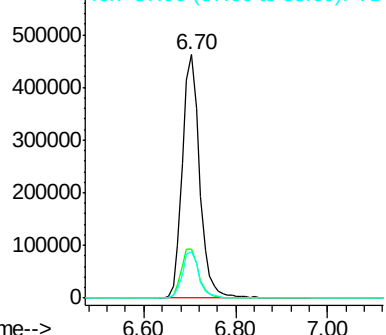


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

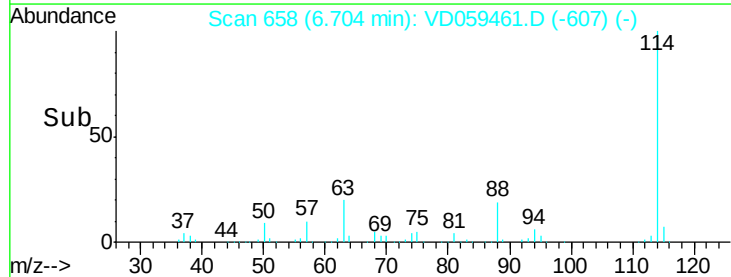
Tgt Ion:114 Resp: 1195633
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.4
 88 19.3 0.0 38.0

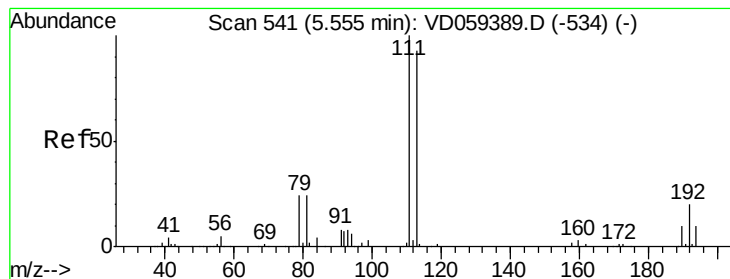


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC



Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

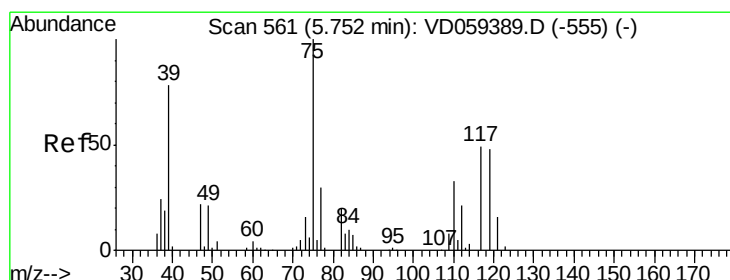
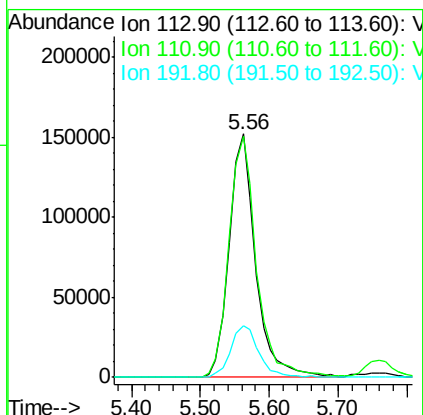
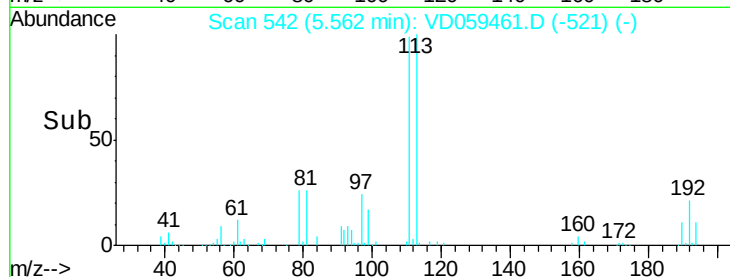
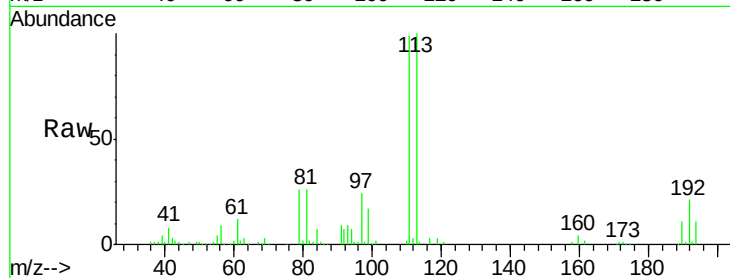
Tot Ion:113 Resp: 405559

Ion Ratio Lower Upper

113 100

111 99.2 85.7 128.5

192 21.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 48.616 ug/l

RT: 5.76 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

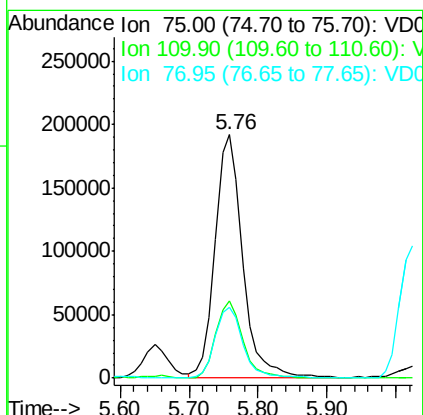
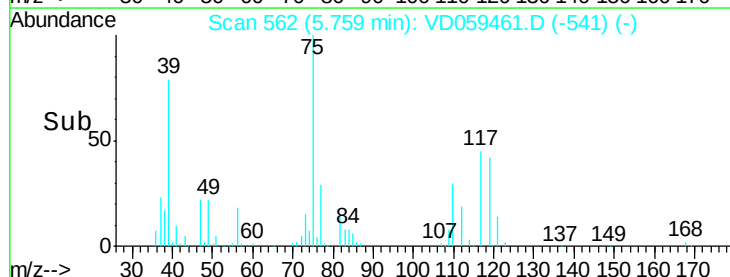
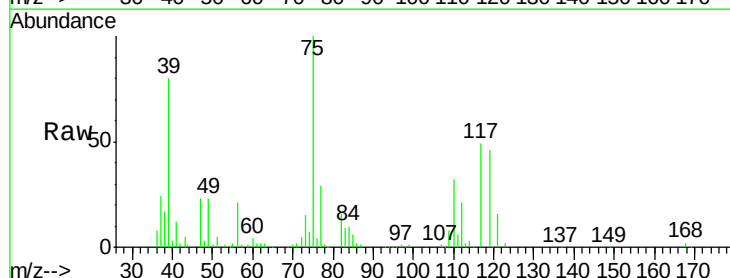
Tgt Ion: 75 Resp: 527297

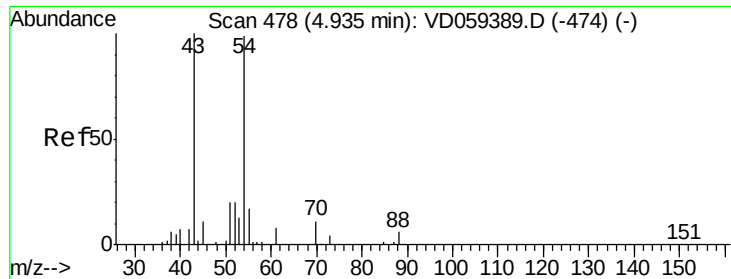
Ion Ratio Lower Upper

75 100

110 31.6 16.1 48.2

77 29.0 23.4 35.2

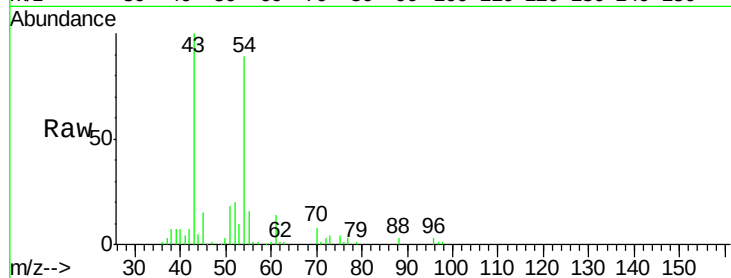




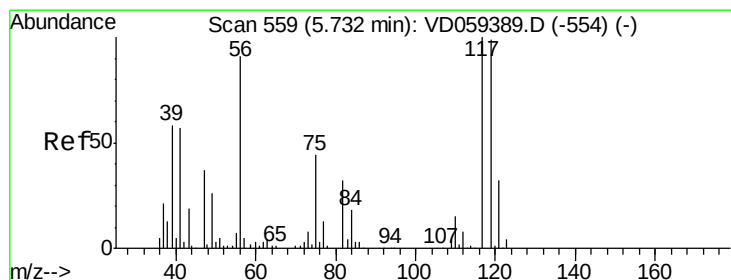
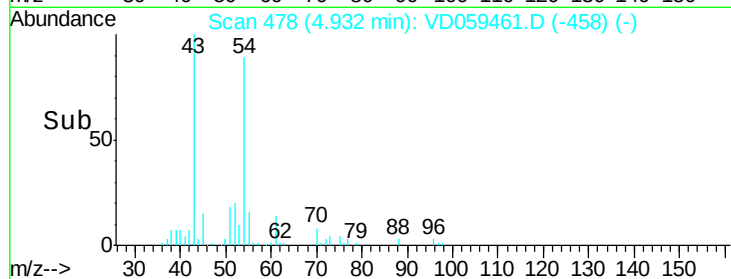
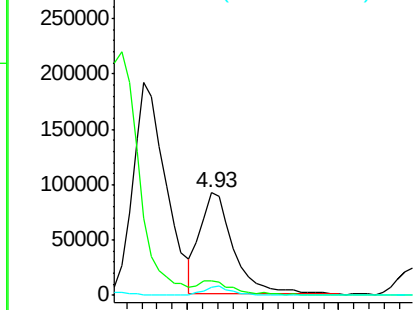
#37
Ethyl Acetate
Concen: 42.728 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.00 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 282226
Ion Ratio Lower Upper
43 100
61 13.6 11.8 17.8
70 8.2 6.1 9.1

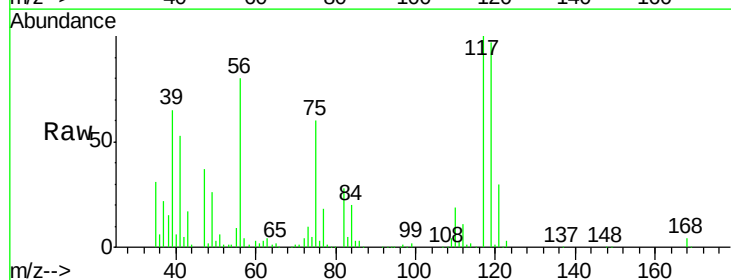


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

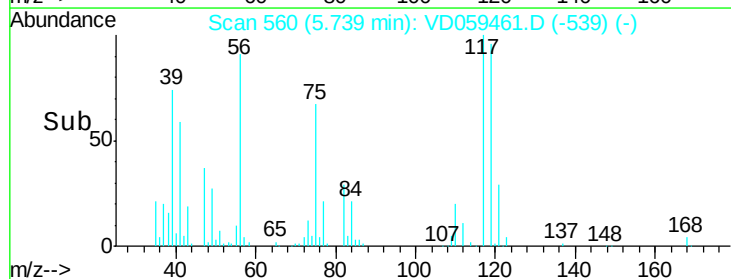
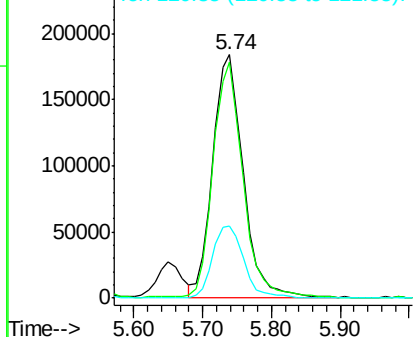


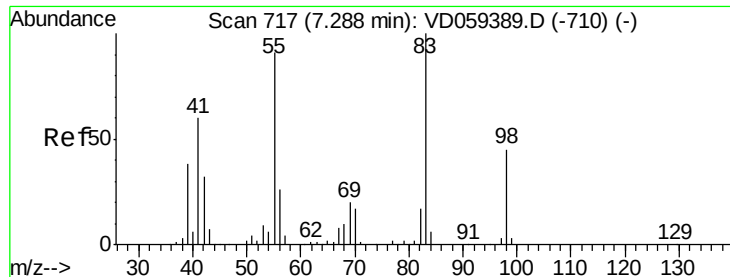
#38
Carbon Tetrachloride
Concen: 50.056 ug/l
RT: 5.74 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Tgt Ion: 117 Resp: 559745
Ion Ratio Lower Upper
117 100
119 96.7 76.6 115.0
121 29.8 25.0 37.4



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

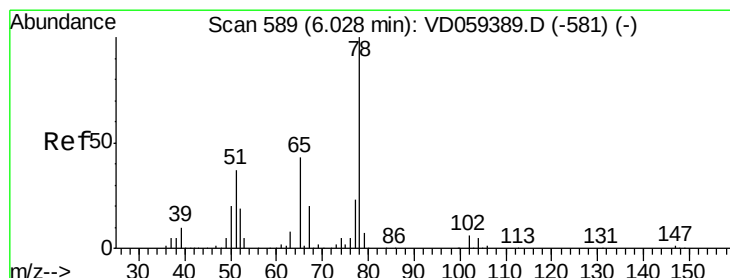
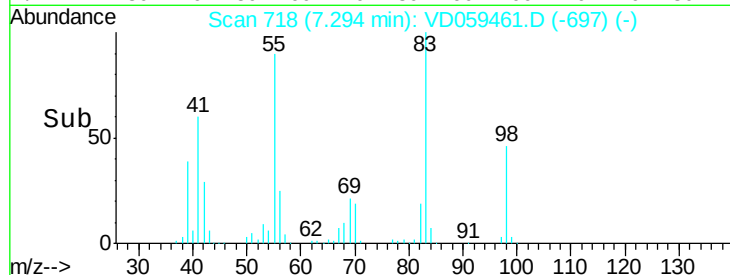
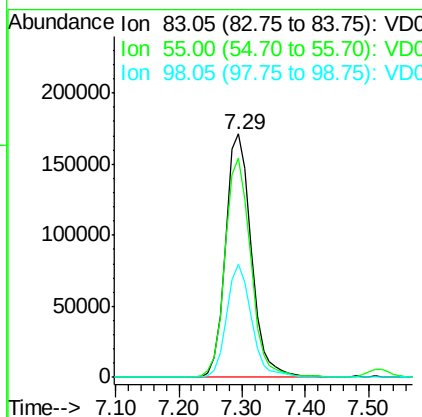
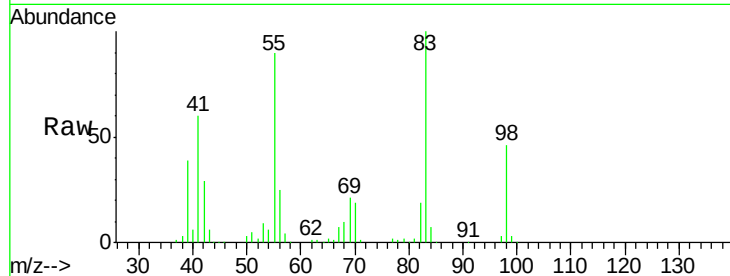




#39
Methylvlcyclohexane
Concen: 47.031 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

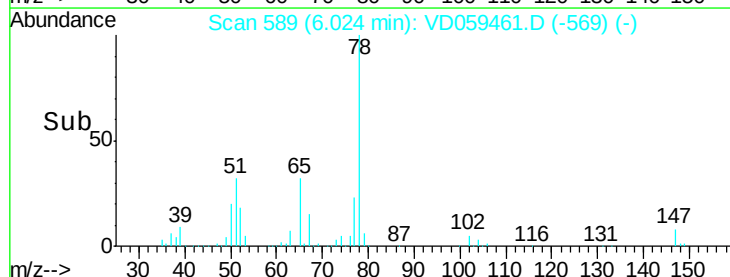
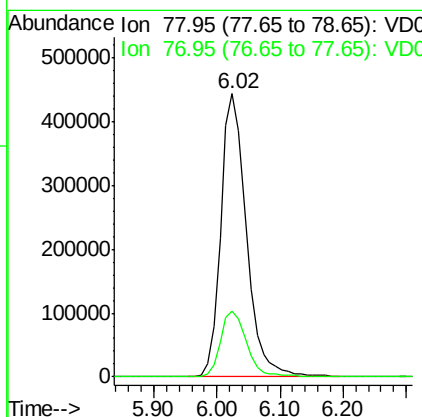
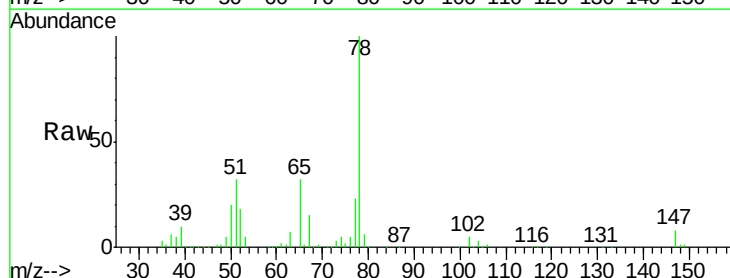
Instrument :
MSVOA_D
ClientSampleId :

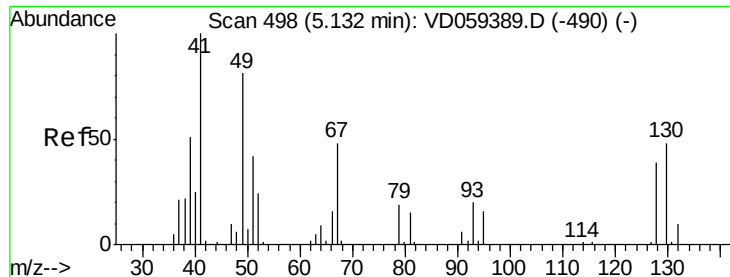
Tot Ion: 83 Resp: 483801
Ion Ratio Lower Upper
83 100
55 90.0 72.6 109.0
98 46.5 35.8 53.6



#40
Benzene
Concen: 48.277 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.00 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Tgt Ion: 78 Resp: 1256539
Ion Ratio Lower Upper
78 100
77 23.5 18.1 27.1

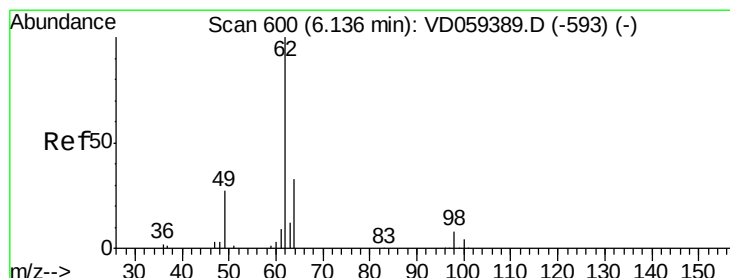
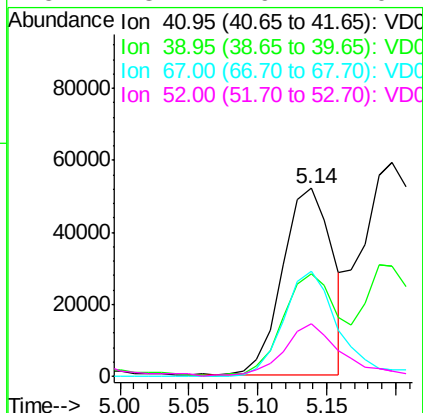
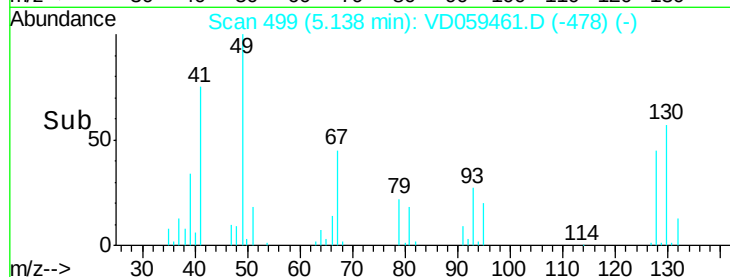
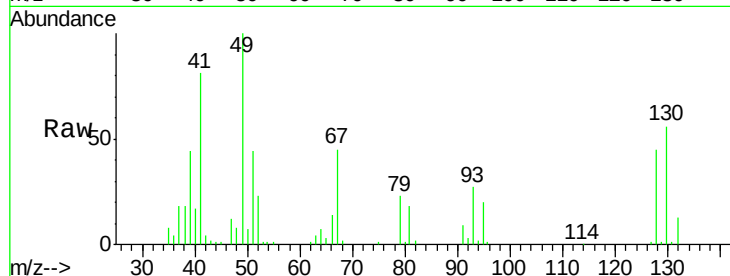




#41
Methacrylonitrile
Concen: 40.728 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

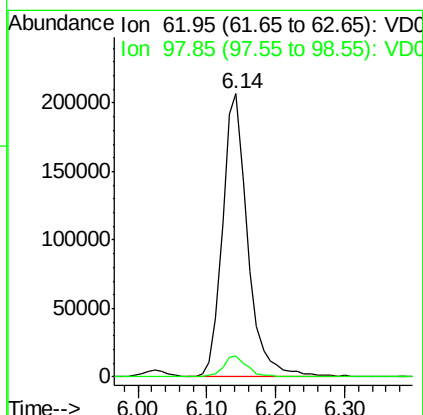
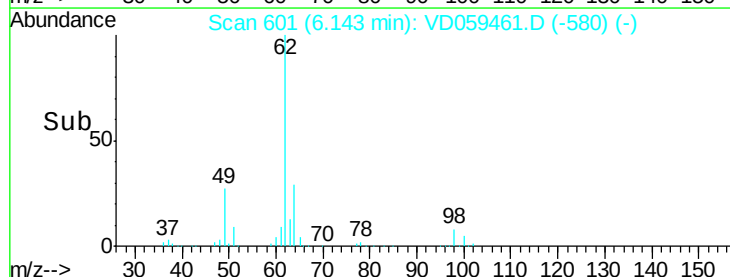
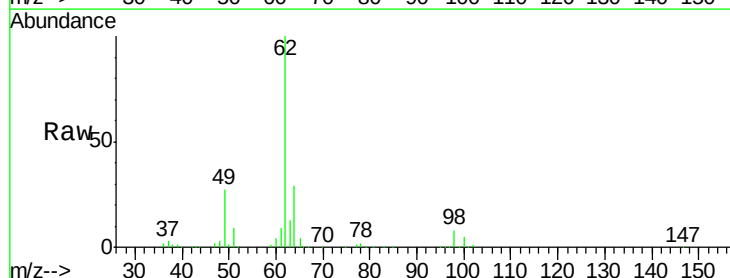
Instrument :
MSVOA_D
ClientSampleID :

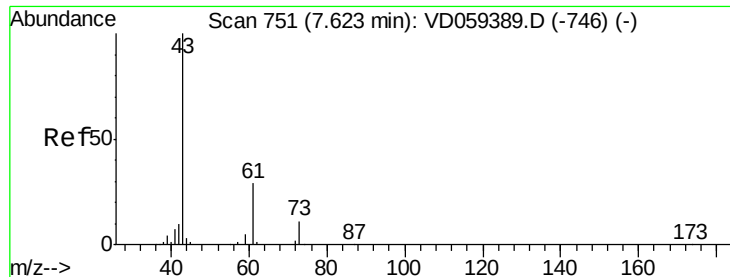
Tot Ion:	41	Resp:	129575
Ion	Ratio	Lower	Upper
41	100		
39	54.7	41.5	62.3
67	56.0	38.7	58.1
52	28.1	19.4	29.2



#42
1,2-Dichloroethane
Concen: 45.493 ug/l
RT: 6.14 min Scan# 601
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Tgt Ion:	62	Resp:	523197
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.8





#43

Isopropyl Acetate

Concen: 44.764 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

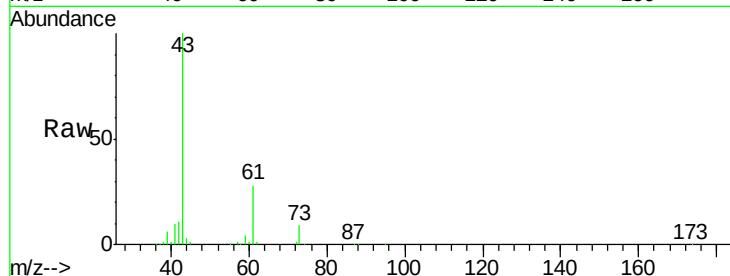
Tot Ion: 43 Resp: 371315

Ion Ratio Lower Upper

43 100

61 27.9 23.1 34.7

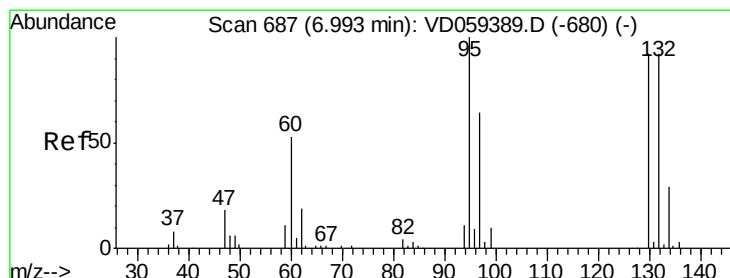
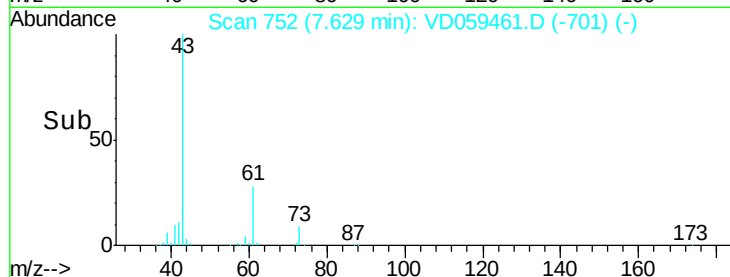
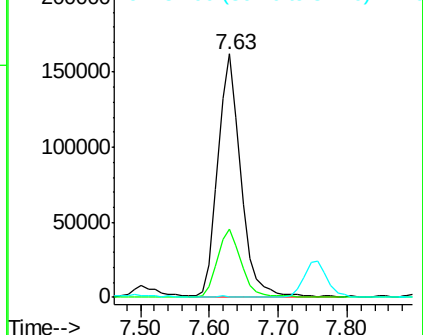
87 0.4 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 46.463 ug/l

RT: 6.99 min Scan# 687

Delta R.T. -0.00 min

Lab File: VD059461.D

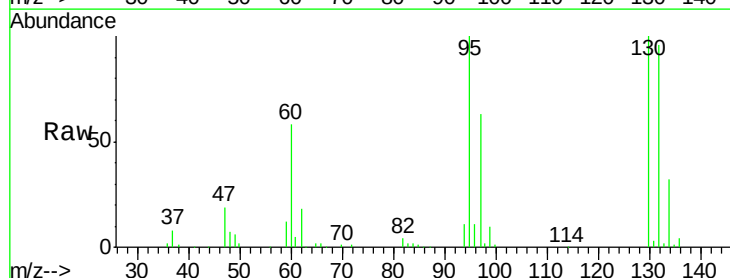
Acq: 28 Jun 2018 14:11

Tgt Ion:130 Resp: 395968

Ion Ratio Lower Upper

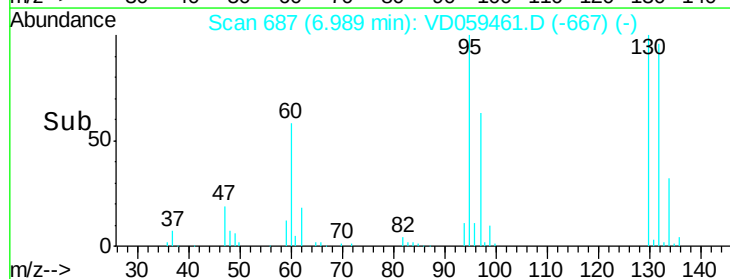
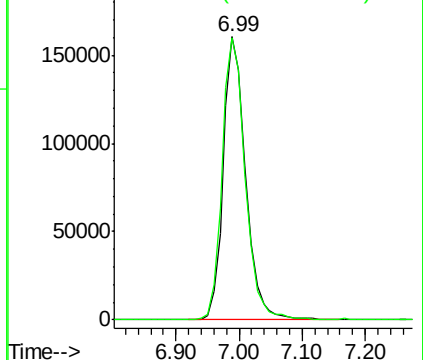
130 100

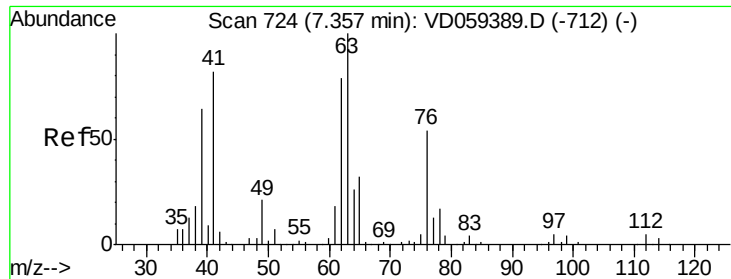
95 99.9 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

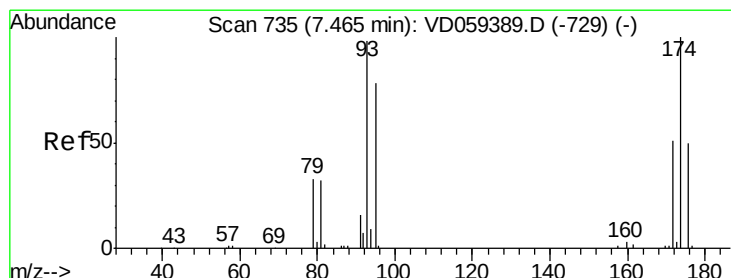
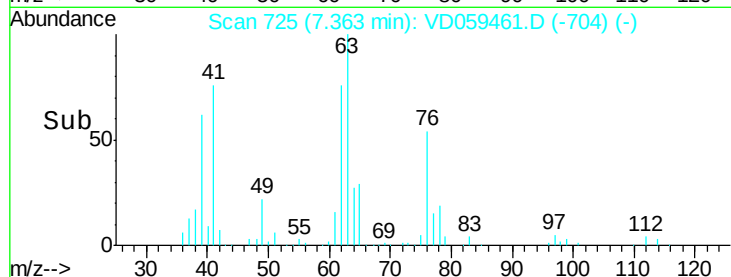
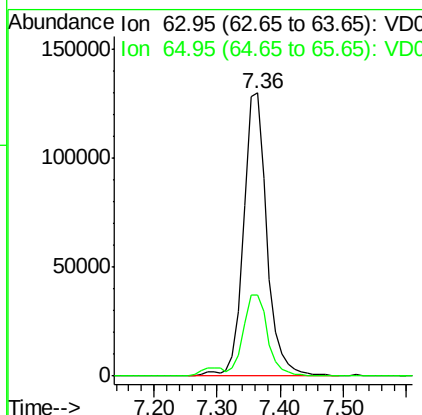
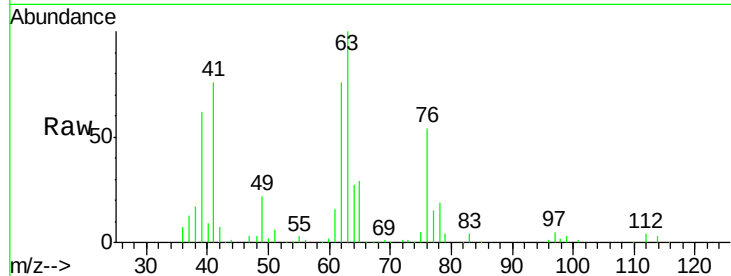




#45
 1,2-Dichloropropane
 Concen: 46.235 ug/l
 RT: 7.36 min Scan# 725
 Delta R.T. 0.01 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

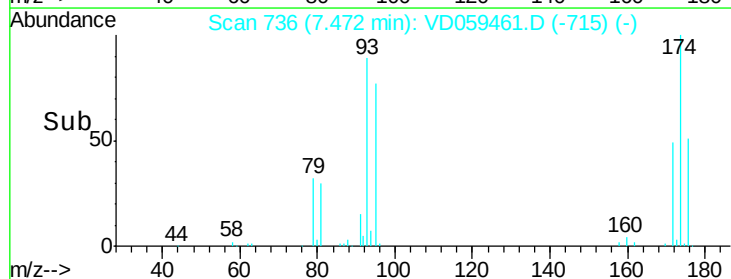
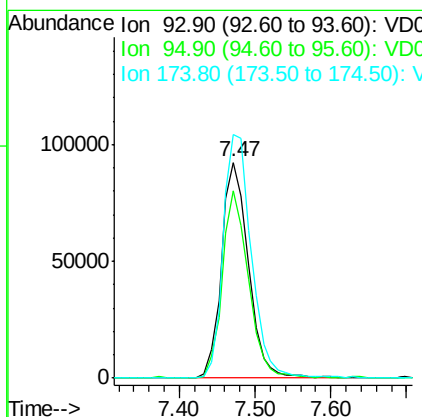
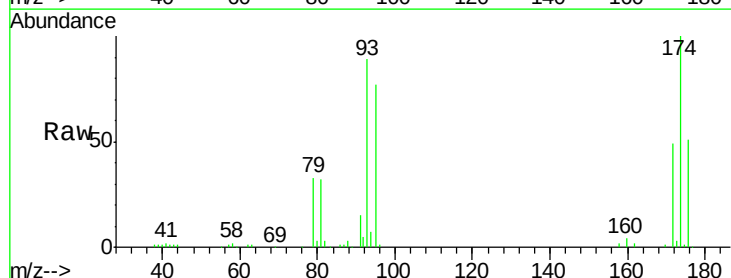
Instrument :
 MSVOA_D
 ClientSampled :

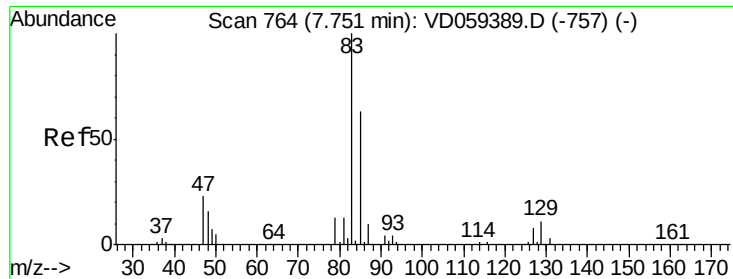
Tot Ion: 63 Resp: 333303
 Ion Ratio Lower Upper
 63 100
 65 28.6 25.7 38.5



#46
 Dibromomethane
 Concen: 43.908 ug/l
 RT: 7.47 min Scan# 736
 Delta R.T. 0.01 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

Tgt Ion: 93 Resp: 227633
 Ion Ratio Lower Upper
 93 100
 95 87.0 63.4 95.0
 174 112.8 81.4 122.2





#47

Bromodichloromethane

Concen: 50.344 ug/l

RT: 7.76 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

ClientSampled :

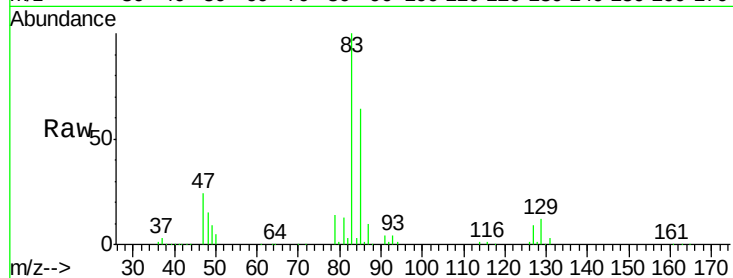
Tot Ion: 83 Resp: 584004

Ion Ratio Lower Upper

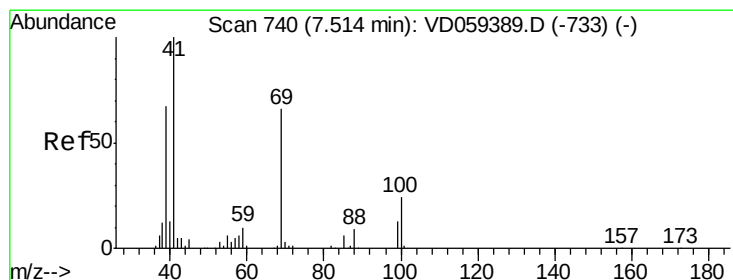
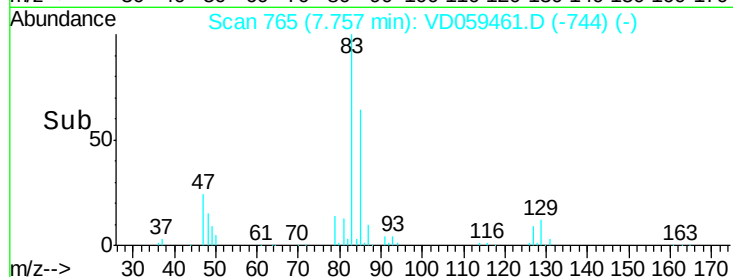
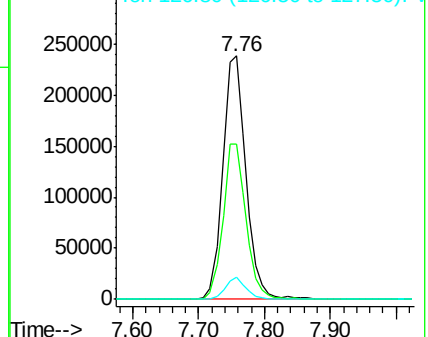
83 100

85 64.0 50.1 75.1

127 9.1 6.1 9.1



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



#48

Methyl methacrylate

Concen: 44.549 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

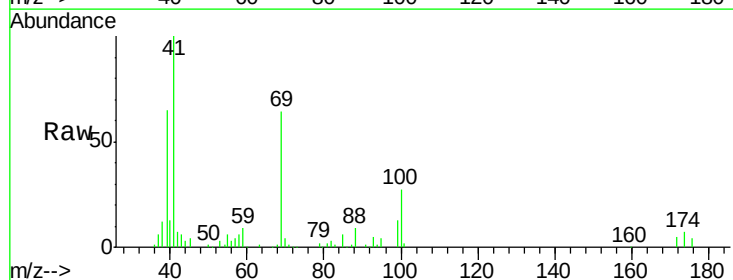
Tgt Ion: 41 Resp: 225134

Ion Ratio Lower Upper

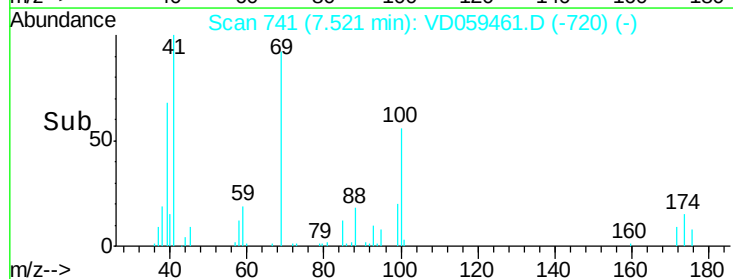
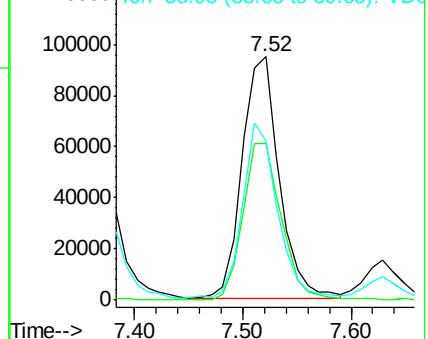
41 100

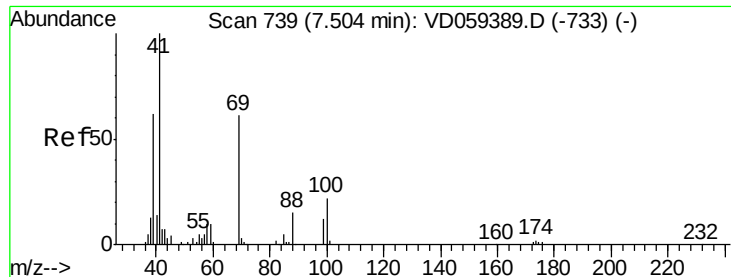
69 64.1 52.6 79.0

39 65.3 53.6 80.4



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: 906.557 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

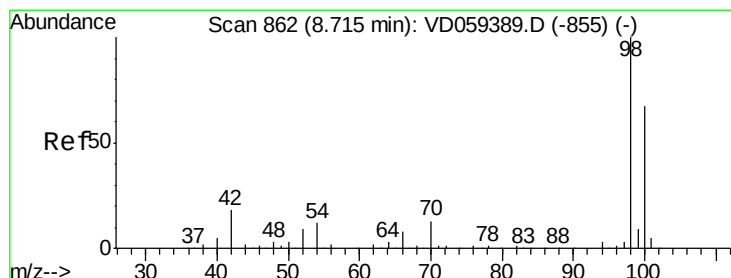
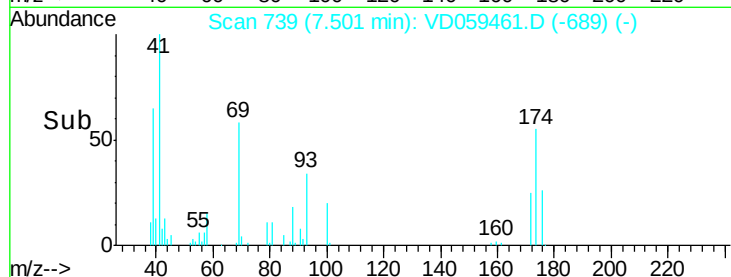
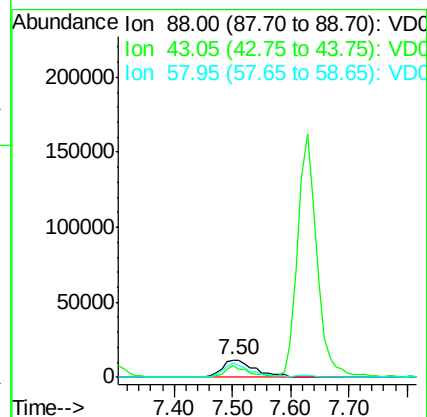
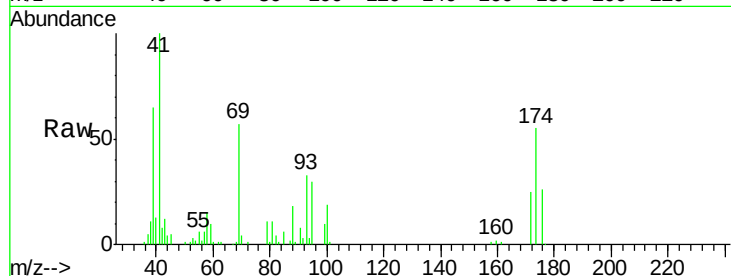
Tot Ion: 88 Resp: 45947

Ion Ratio Lower Upper

88 100

43 68.8 41.0 61.4#

58 84.6 53.4 80.0#



#50

Toluene-d8

Concen: 906.557 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD059461.D

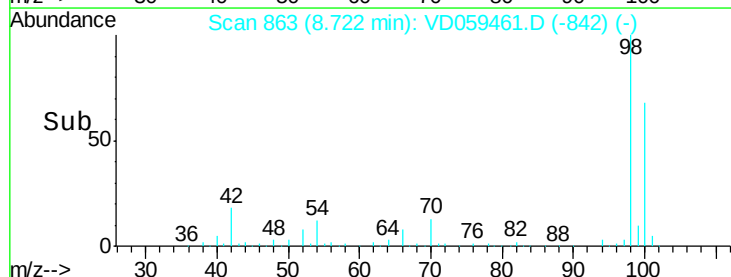
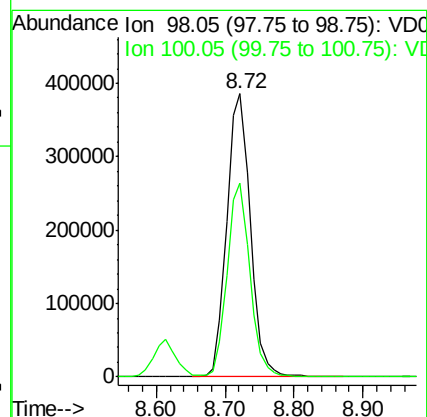
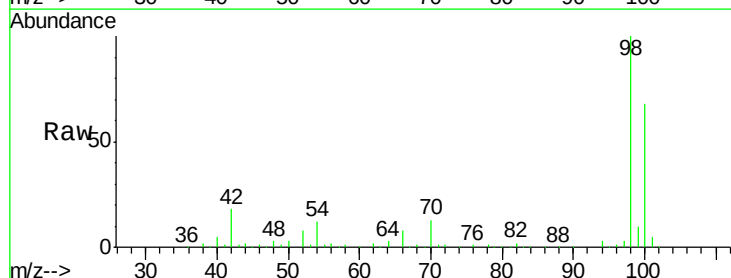
Acq: 28 Jun 2018 14:11

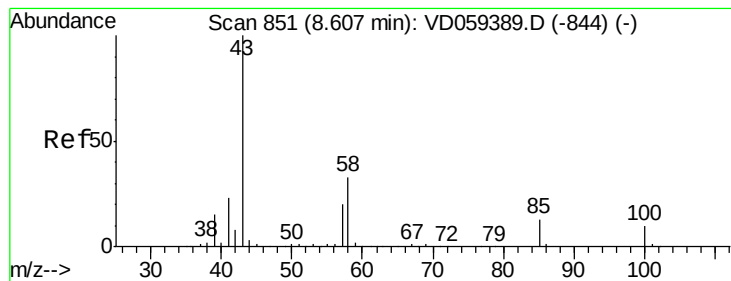
Tgt Ion: 98 Resp: 912009

Ion Ratio Lower Upper

98 100

100 68.5 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 219.371 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

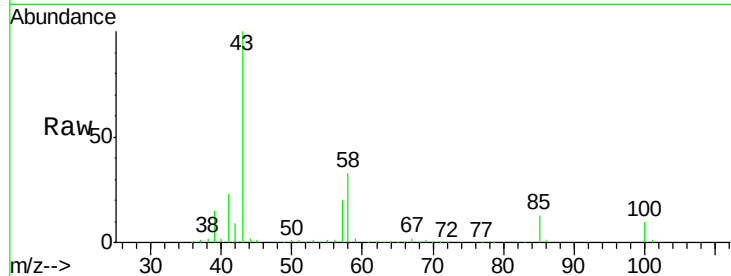
ClientSampled :

Tot Ion: 43 Resp: 1212564

Ion Ratio Lower Upper

43 100

58 32.6 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.61

500000

400000

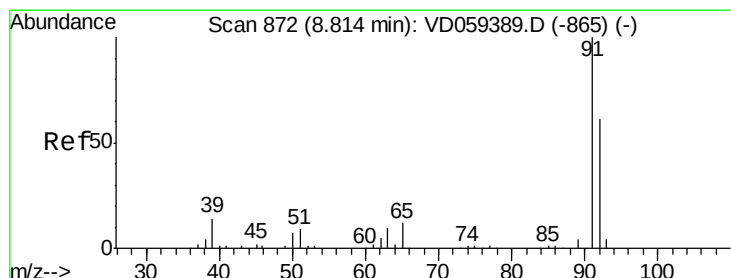
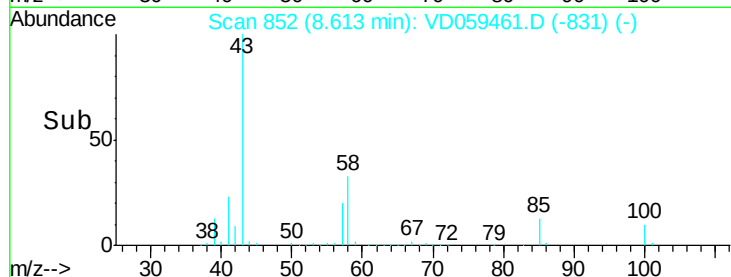
300000

200000

100000

0

Time--> 8.40 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 44.316 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD059461.D

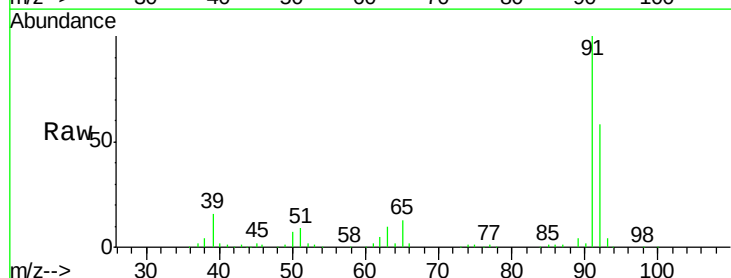
Acq: 28 Jun 2018 14:11

Tgt Ion: 92 Resp: 688876

Ion Ratio Lower Upper

92 100

91 171.1 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.81

600000

500000

400000

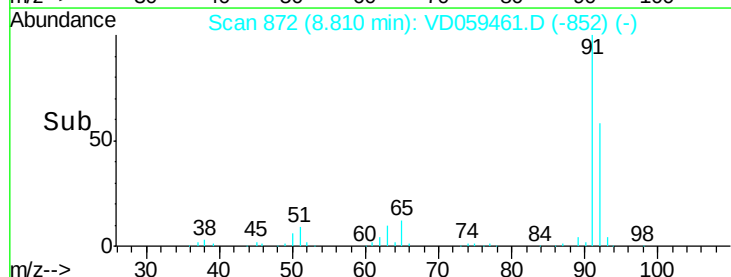
300000

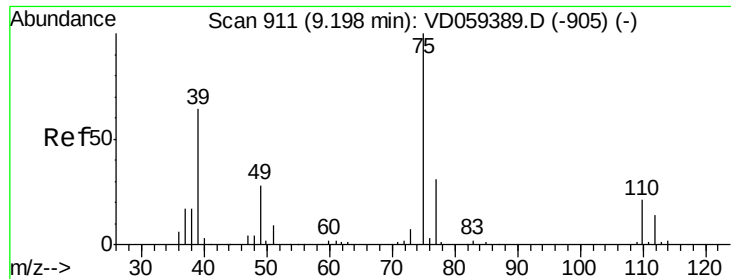
200000

100000

0

Time--> 8.70 8.80 8.90

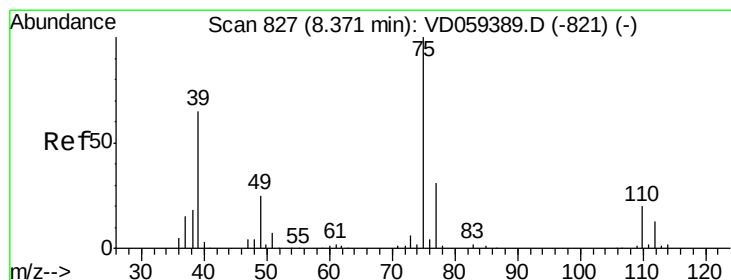
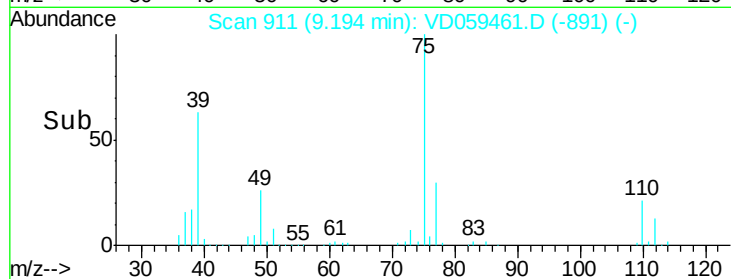
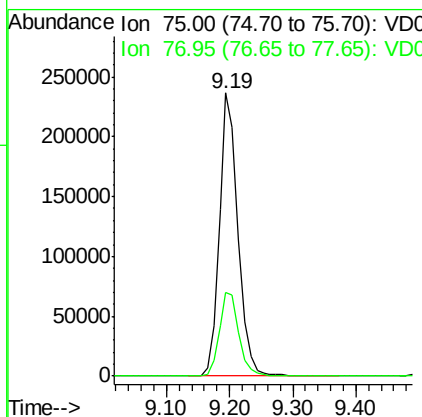
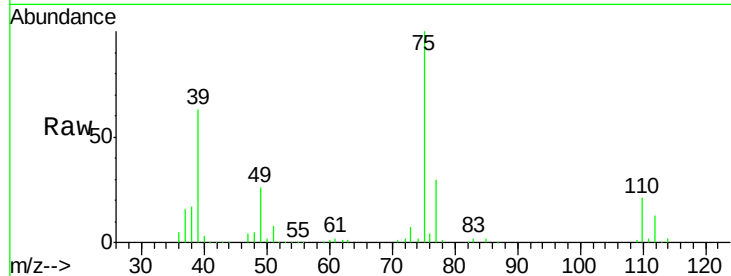




#53
 t-1,3-Dichloropropene
 Concen: 50.280 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

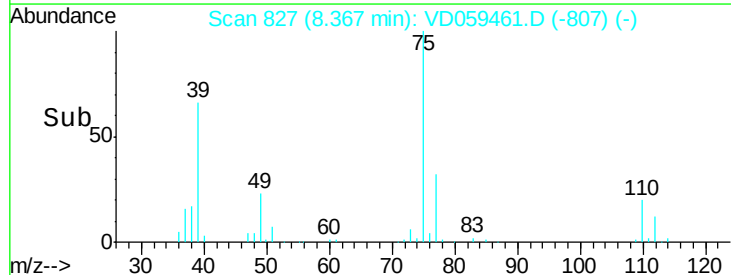
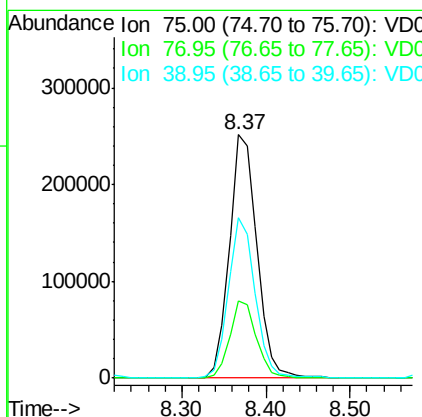
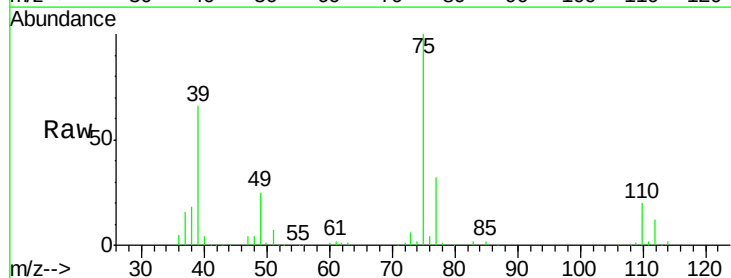
Instrument :
 MSVOA_D
 ClientSampleId :

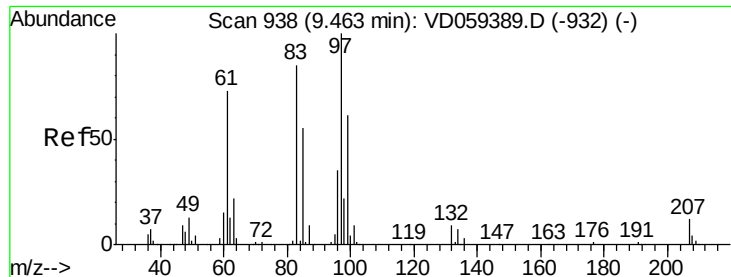
Tot Ion: 75 Resp: 487405
 Ion Ratio Lower Upper
 75 100
 77 29.7 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 51.010 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. -0.00 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

Tgt Ion: 75 Resp: 572544
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.7 37.1
 39 66.1 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 45.684 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 257826

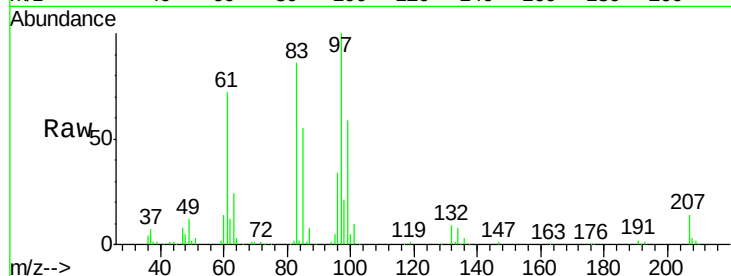
Ion Ratio Lower Upper

97 100

83 85.7 67.7 101.5

85 55.0 44.3 66.5

99 58.6 48.6 73.0

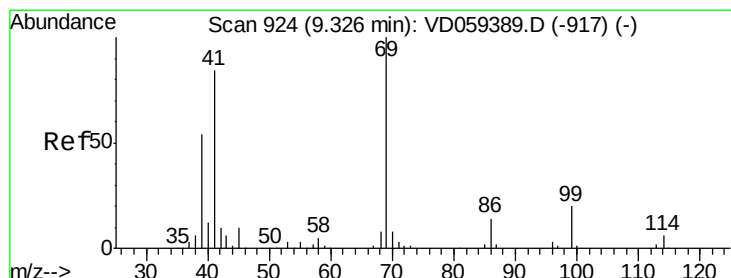
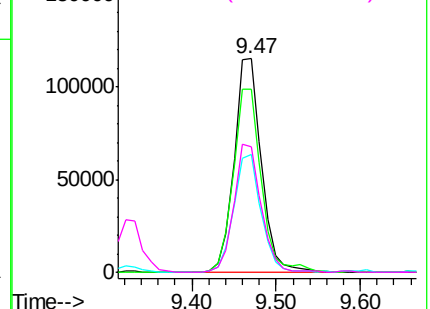
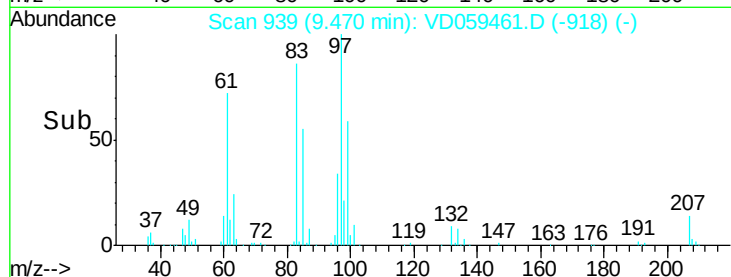


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 46.755 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

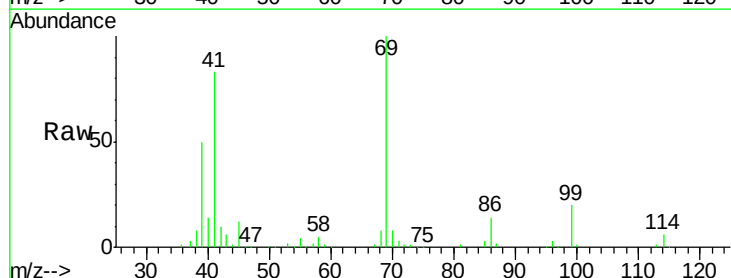
Tgt Ion: 69 Resp: 301099

Ion Ratio Lower Upper

69 100

41 83.2 67.4 101.0

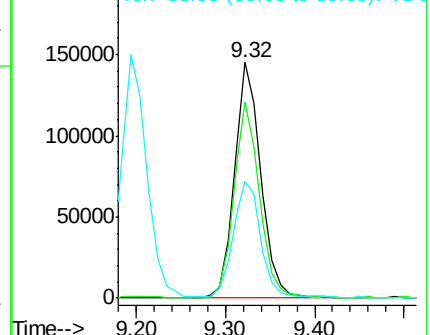
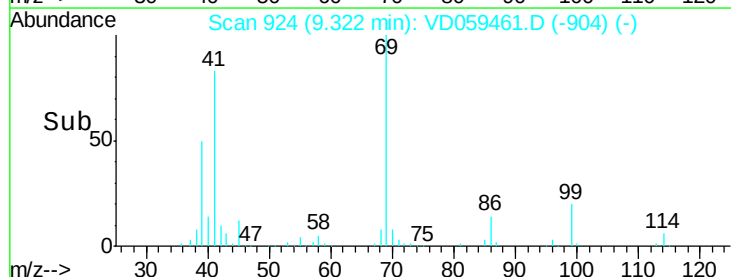
39 49.8 43.7 65.5

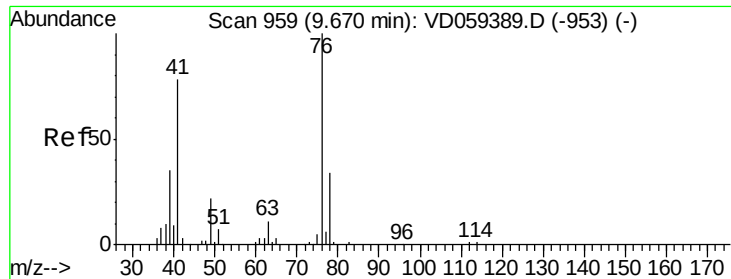


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

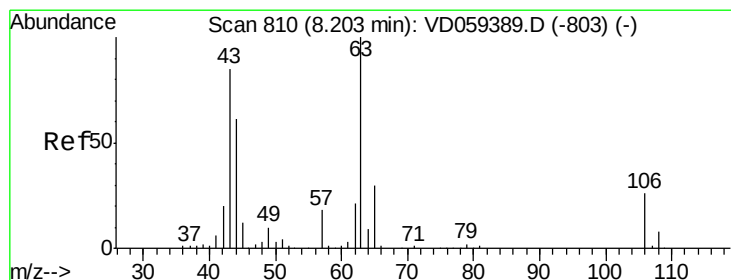
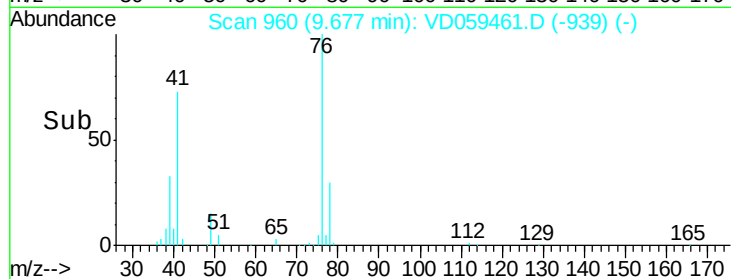
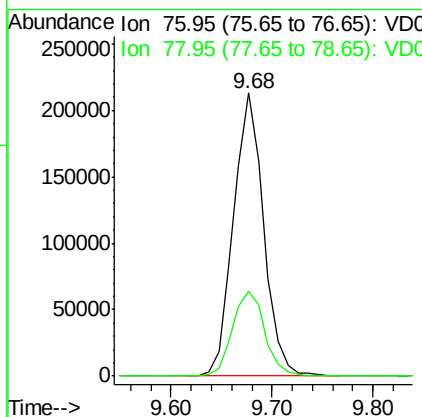
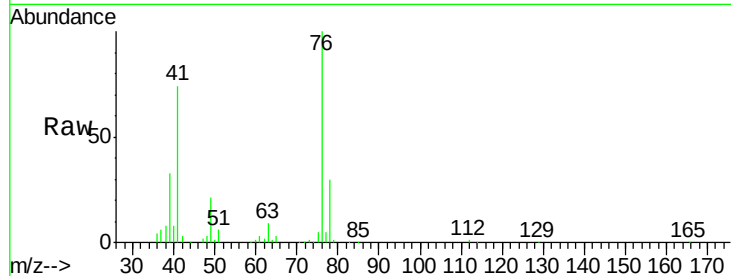




#57
 1,3-Dichloropropane
 Concen: 47.895 ug/l
 RT: 9.68 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

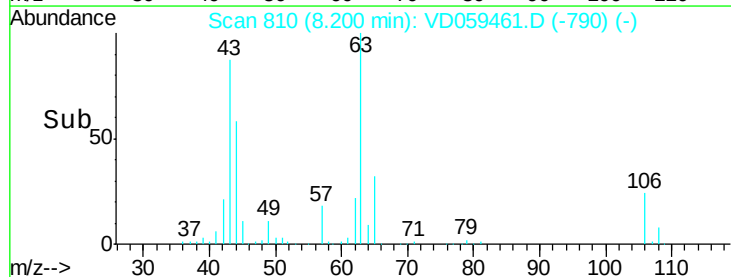
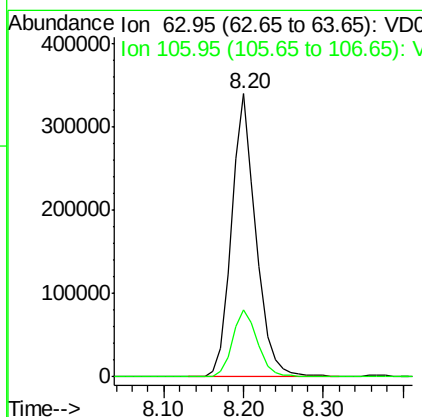
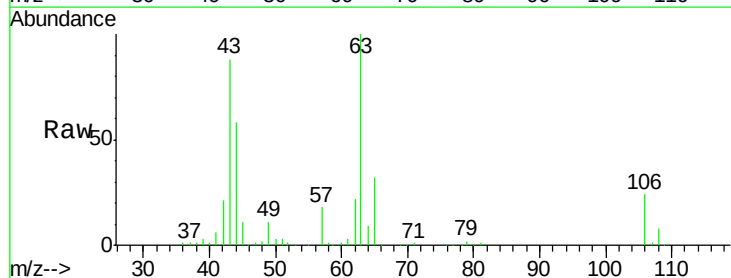
Instrument :
 MSVOA_D
 ClientSampled :

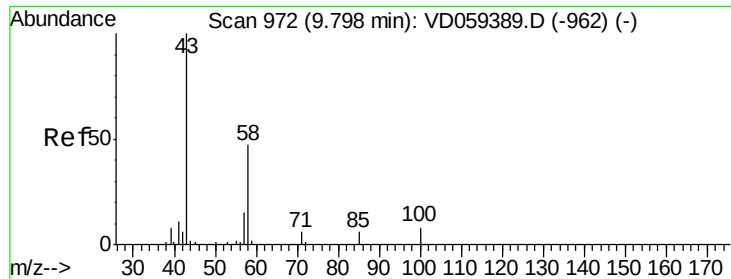
Tot Ion: 76 Resp: 442080
 Ion Ratio Lower Upper
 76 100
 78 29.8 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 218.696 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

Tgt Ion: 63 Resp: 725033
 Ion Ratio Lower Upper
 63 100
 106 23.8 20.6 31.0





#59

2-Hexanone

Concen: 236.649 ug/l

RT: 9.79 min Scan# 972

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

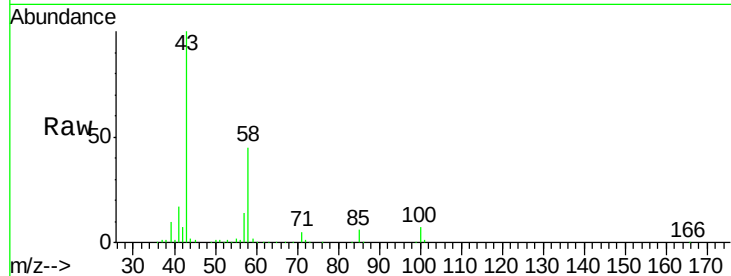
ClientSampleId :

Tot Ion: 43 Resp: 929683

Ion Ratio Lower Upper

43 100

58 44.9 23.3 69.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.79

400000

300000

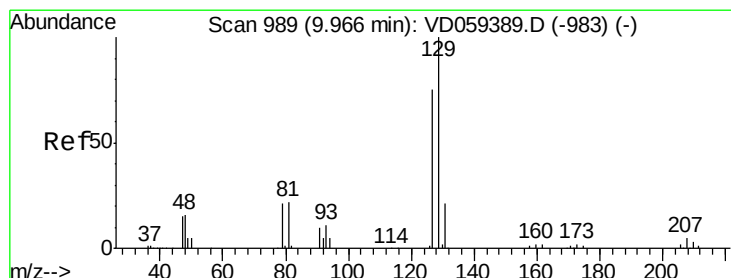
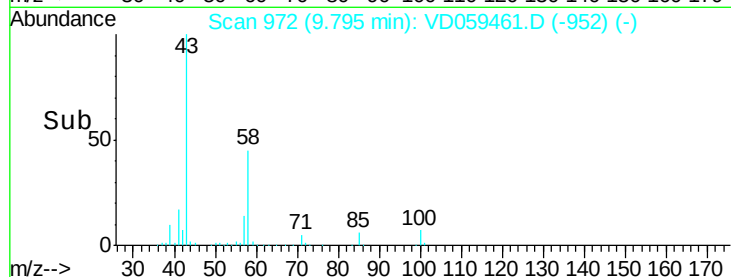
200000

100000

0

Time-->

9.70 9.80 9.90 10.00



#60

Dibromochloromethane

Concen: 48.524 ug/l

RT: 9.97 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD059461.D

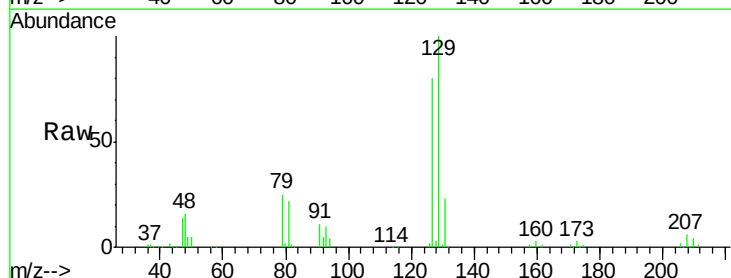
Acq: 28 Jun 2018 14:11

Tgt Ion:129 Resp: 383495

Ion Ratio Lower Upper

129 100

127 79.6 37.3 111.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.97

200000

150000

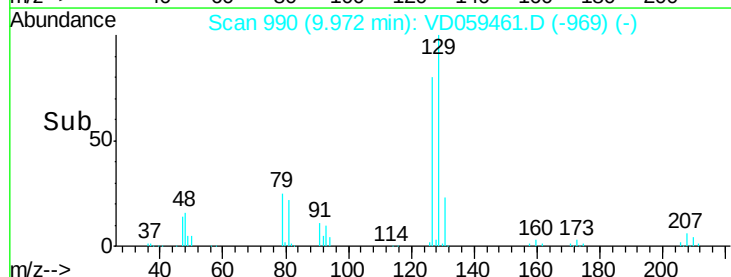
100000

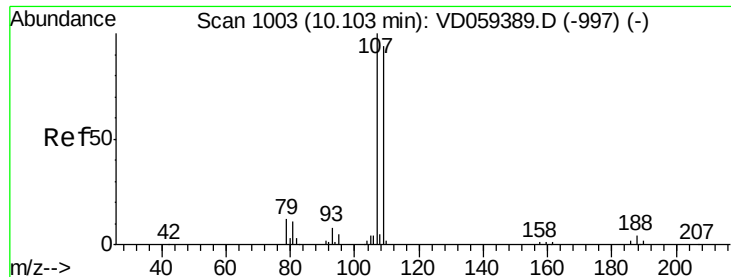
50000

0

Time-->

9.90 10.00 10.10





#61

1,2-Dibromoethane

Concen: 46.423 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

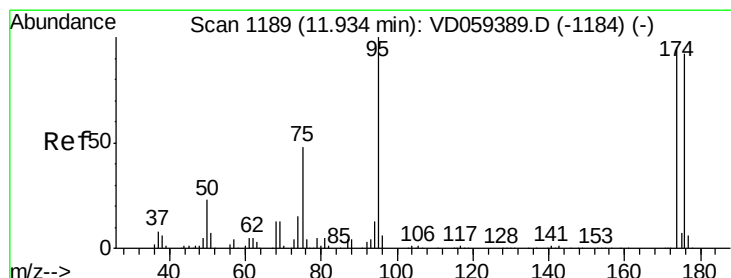
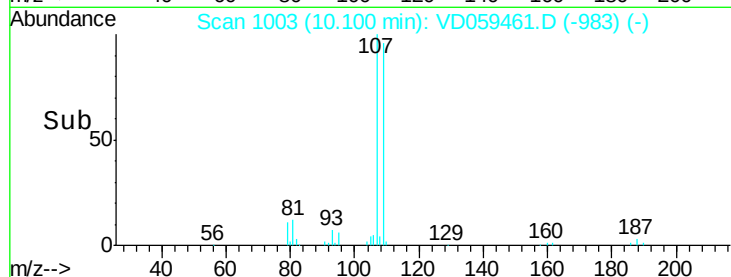
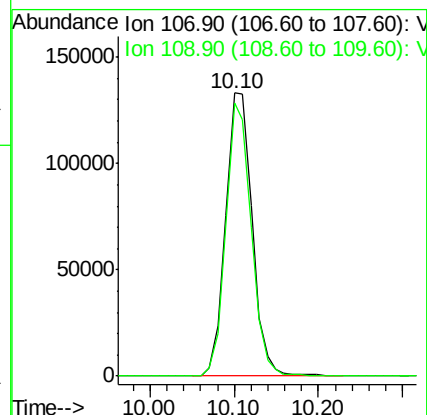
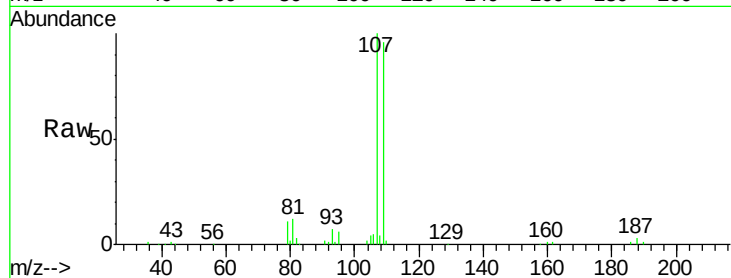
ClientSampled :

Tot Ion:107 Resp: 291754

Ion Ratio Lower Upper

107 100

109 96.4 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 46.423 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

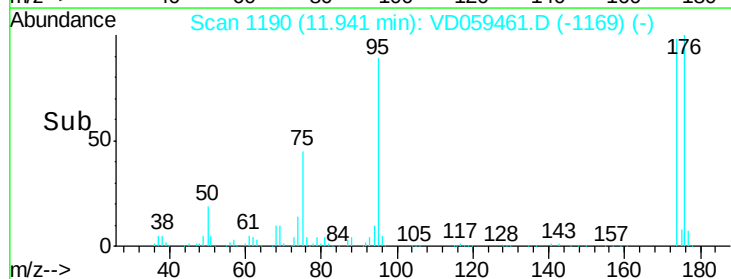
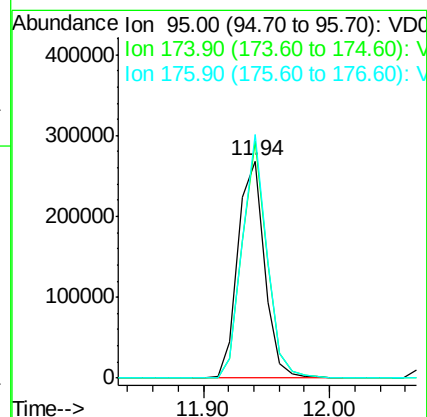
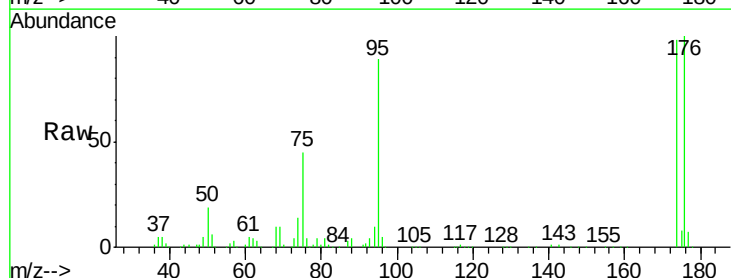
Tgt Ion: 95 Resp: 390949

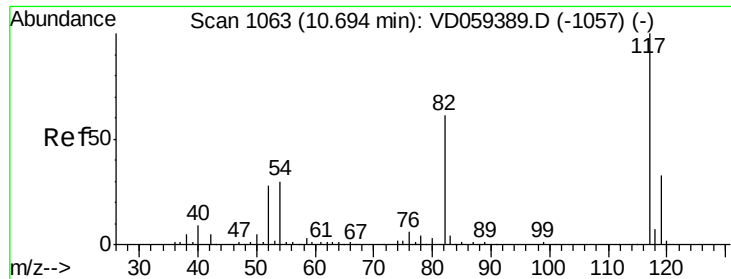
Ion Ratio Lower Upper

95 100

174 109.4 0.0 190.4

176 112.2 0.0 183.2

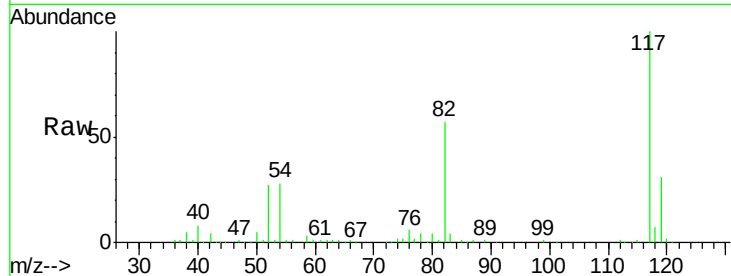




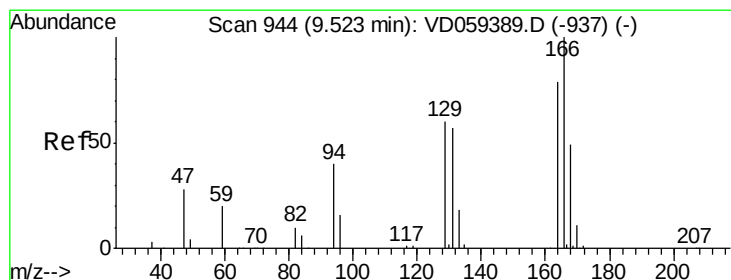
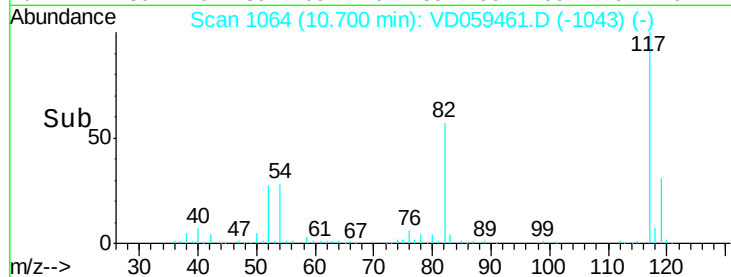
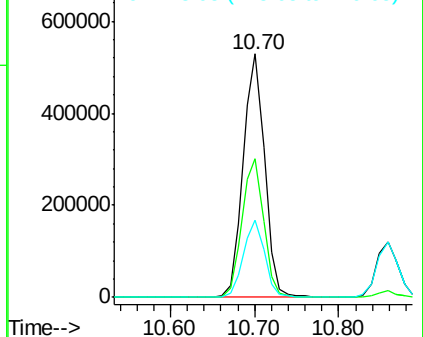
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 944967
Ion Ratio Lower Upper
117 100
82 57.1 49.0 73.6
119 31.5 26.2 39.4

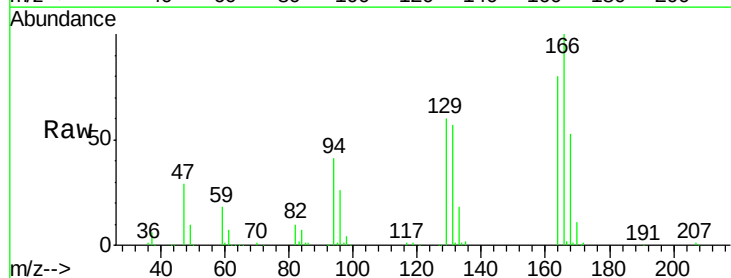


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

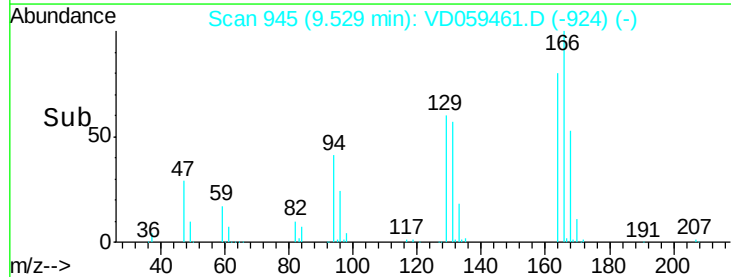
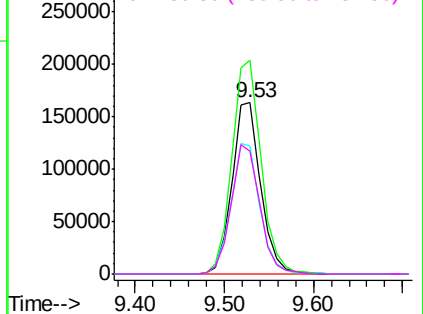


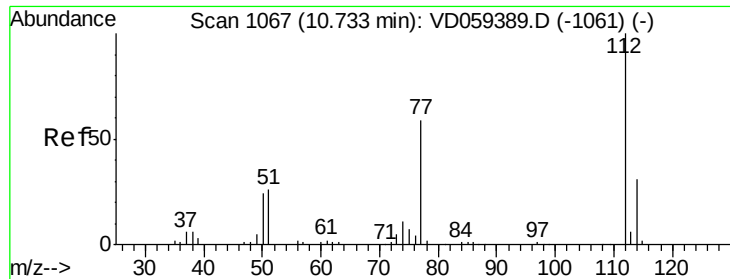
#64
Tetrachloroethene
Concen: 44.477 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Tgt Ion:164 Resp: 368704
Ion Ratio Lower Upper
164 100
166 124.8 101.4 152.2
129 75.0 60.9 91.3
131 71.5 58.2 87.4



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

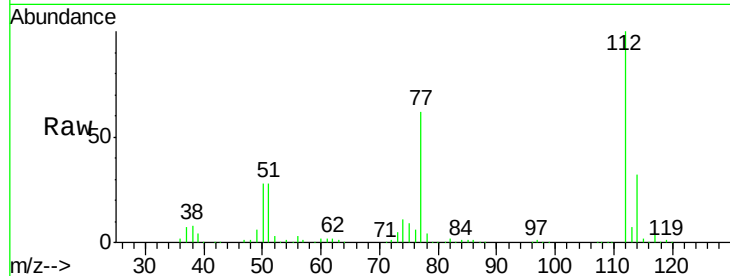




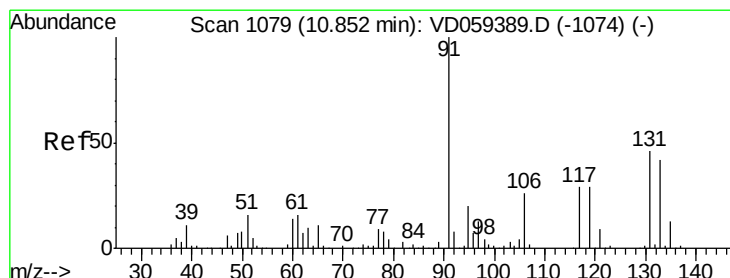
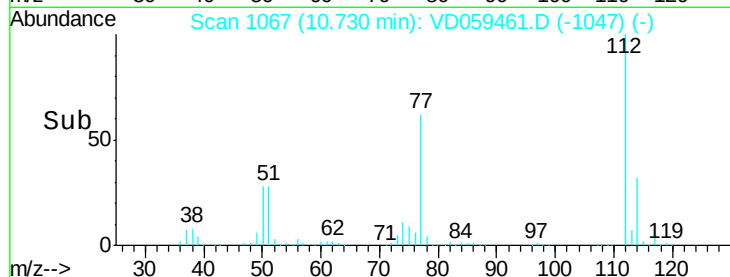
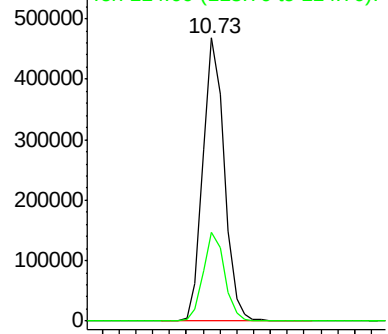
#65
Chlorobenzene
Concen: 47.990 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 829214
Ion Ratio Lower Upper
112 100
114 31.6 24.6 37.0

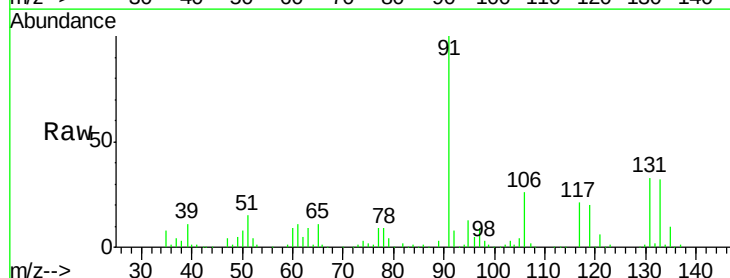


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

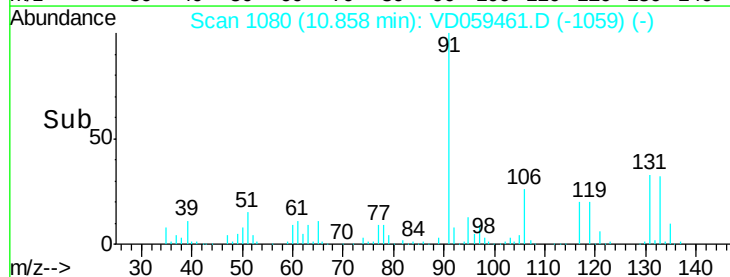
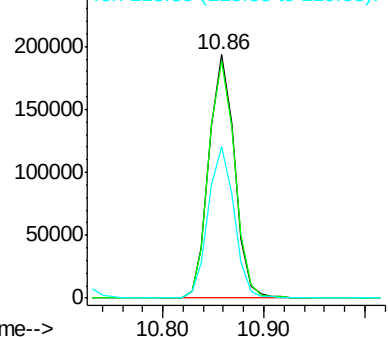


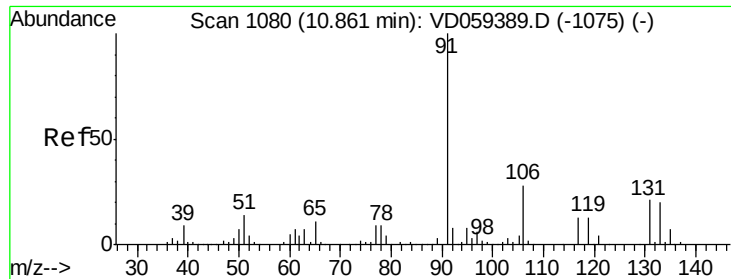
#66
1,1,1,2-Tetrachloroethane
Concen: 51.475 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Tgt Ion:131 Resp: 341411
Ion Ratio Lower Upper
131 100
133 97.2 45.7 137.1
119 62.0 32.3 96.9



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

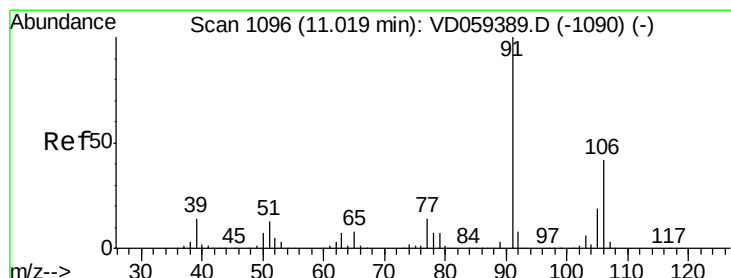
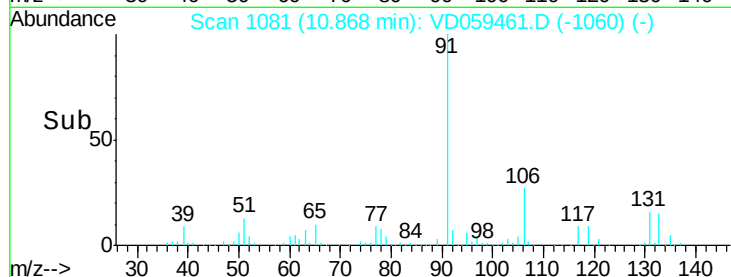
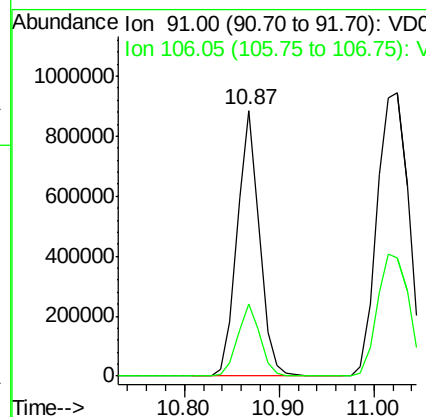
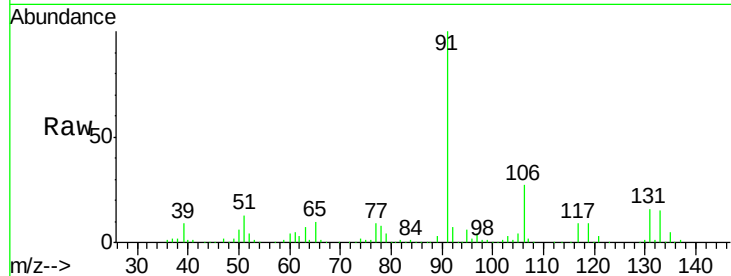




#67
Ethyl Benzene
Concen: 49.328 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

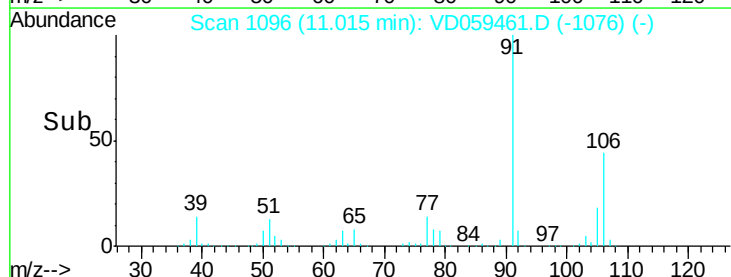
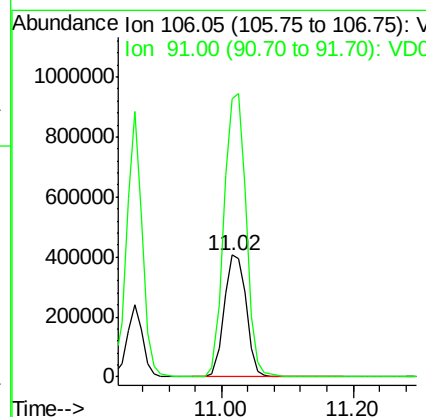
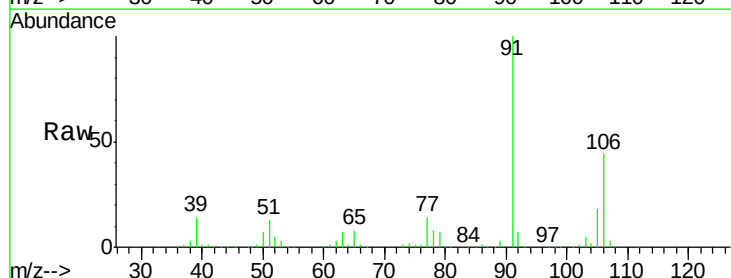
Instrument :
MSVOA_D
ClientSampled :

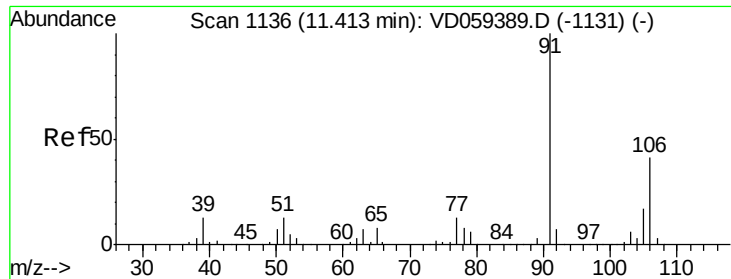
Tot Ion: 91 Resp: 1438227
Ion Ratio Lower Upper
91 100
106 27.3 22.3 33.5



#68
m/p-Xylenes
Concen: 98.065 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Tgt Ion: 106 Resp: 948640
Ion Ratio Lower Upper
106 100
91 229.3 191.0 286.6

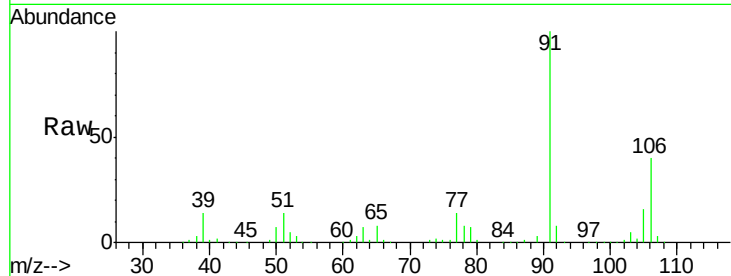




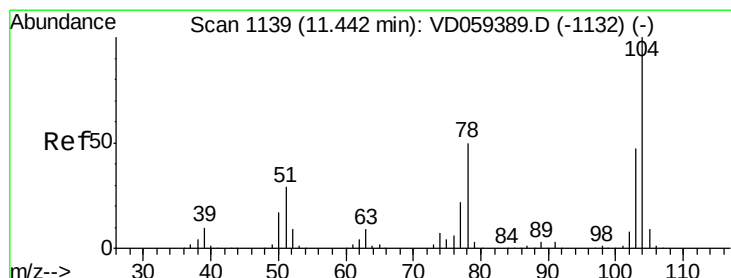
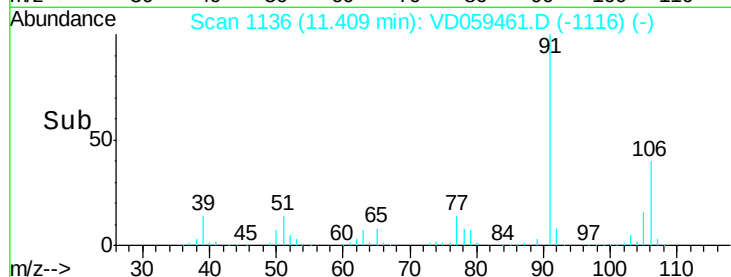
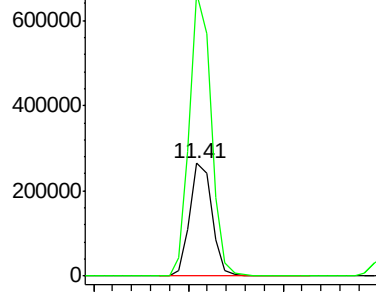
#69
o-Xylene
Concen: 45.646 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 436542
Ion Ratio Lower Upper
106 100
91 250.4 121.0 362.8

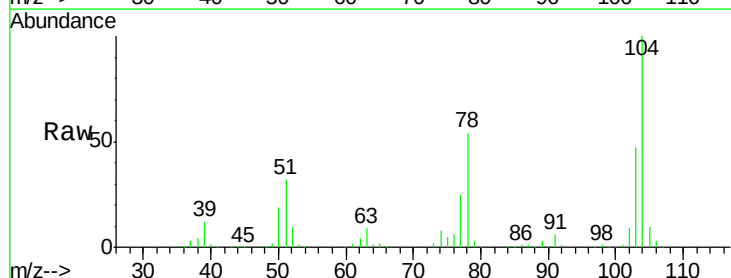


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

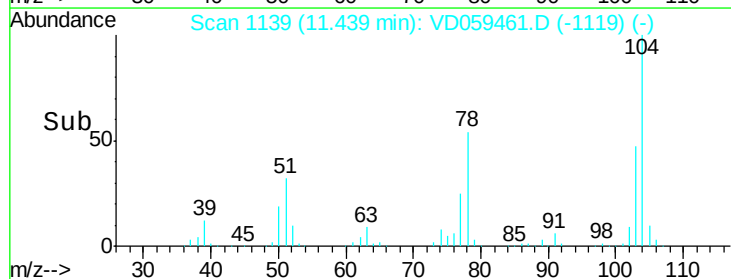
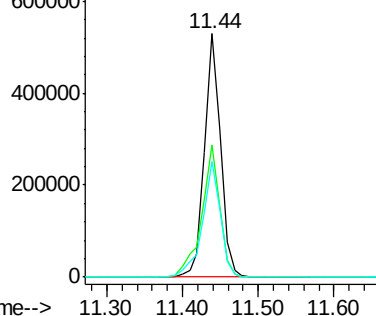


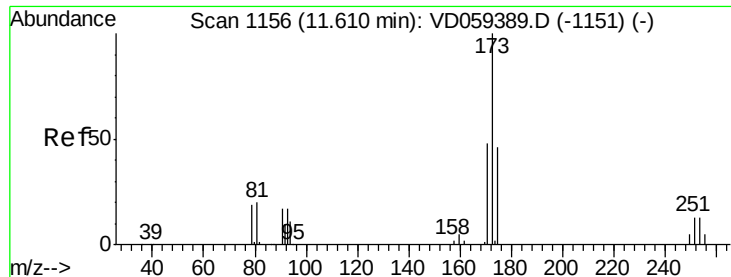
#70
Styrene
Concen: 46.901 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Tgt Ion:104 Resp: 768882
Ion Ratio Lower Upper
104 100
78 54.2 40.2 60.4
103 47.3 37.8 56.8



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

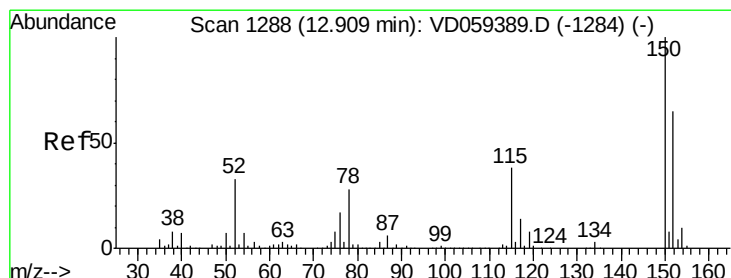
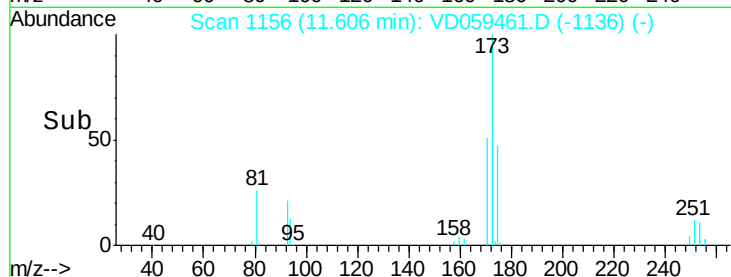
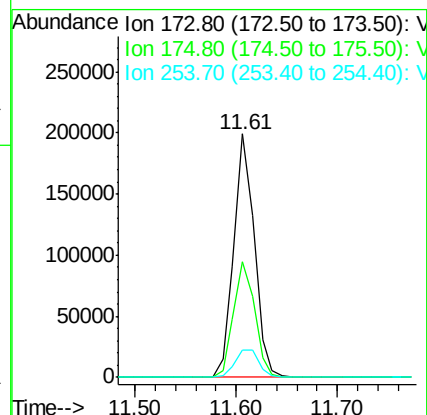
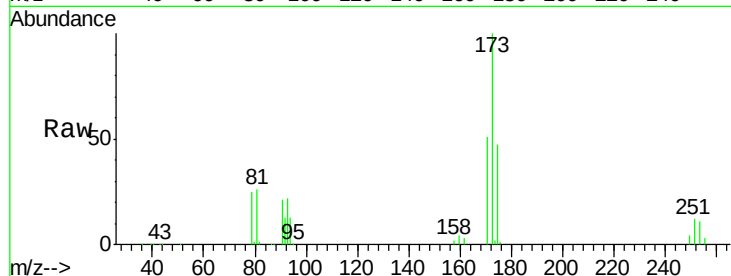




#71
Bromoform
Concen: 51.213 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

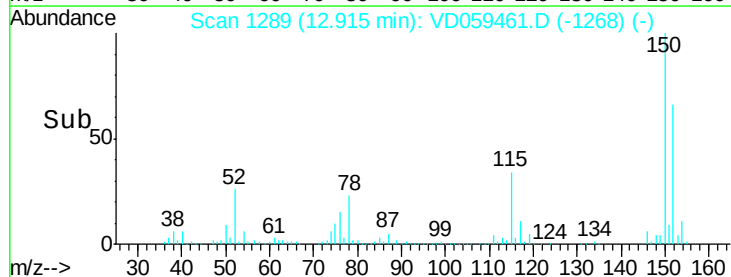
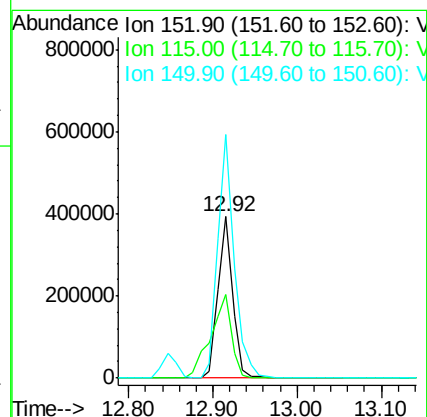
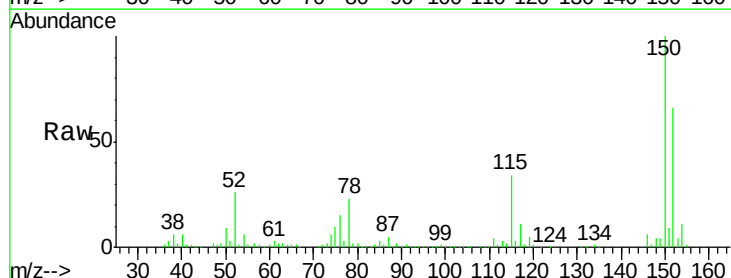
Instrument :
MSVOA_D
ClientSampled :

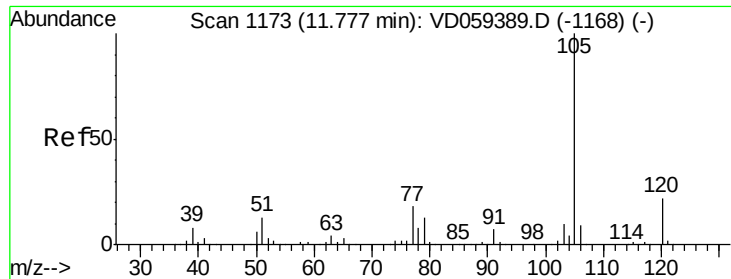
Tot Ion:173 Resp: 281395
Ion Ratio Lower Upper
173 100
175 47.2 22.8 68.4
254 11.3 10.1 15.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.92 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Tgt Ion:152 Resp: 479404
Ion Ratio Lower Upper
152 100
115 52.1 29.4 88.3
150 151.1 0.0 308.2





#73

Isopropylbenzene

Concen: 48.403 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

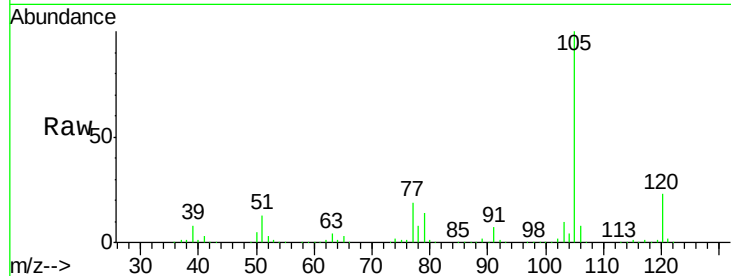
ClientSampleId :

Tot Ion:105 Resp: 1309469

Ion Ratio Lower Upper

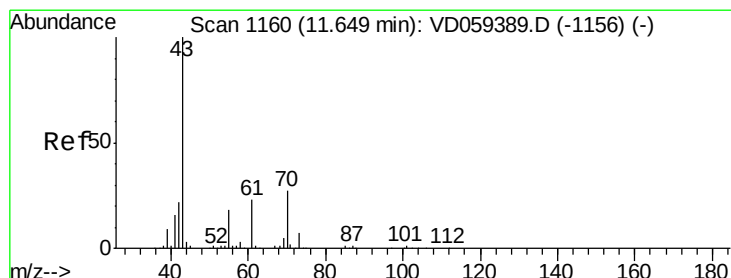
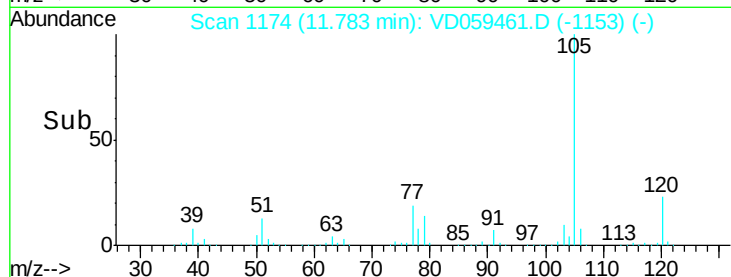
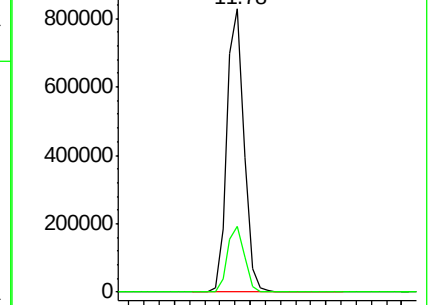
105 100

120 23.1 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.079 ug/l

RT: 11.66 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Tgt Ion: 43 Resp: 494873

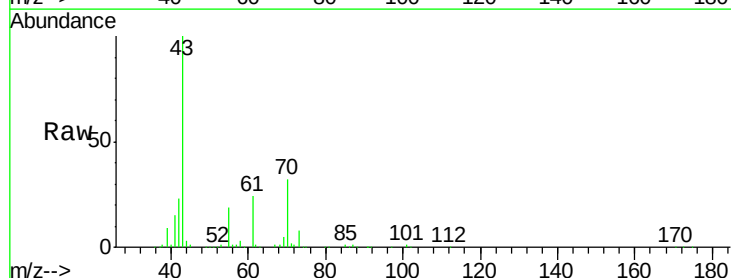
Ion Ratio Lower Upper

43 100

70 31.6 21.7 32.5

55 19.4 14.6 22.0

61 23.5 18.0 27.0

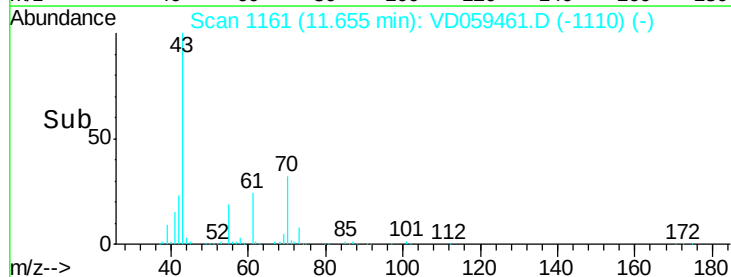
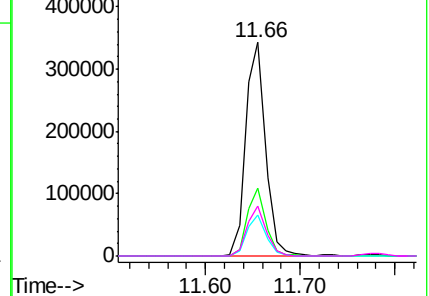


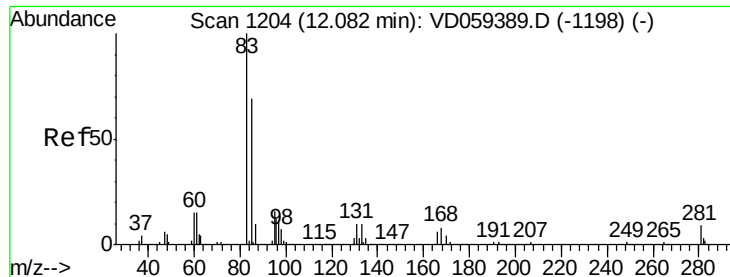
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.052 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

ClientSampled :

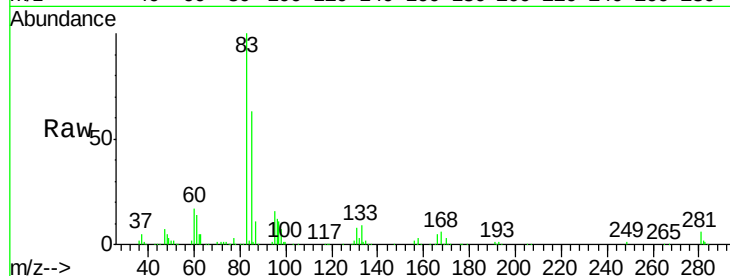
Tot Ion: 83 Resp: 304985

Ion Ratio Lower Upper

83 100

131 7.6 4.9 14.6

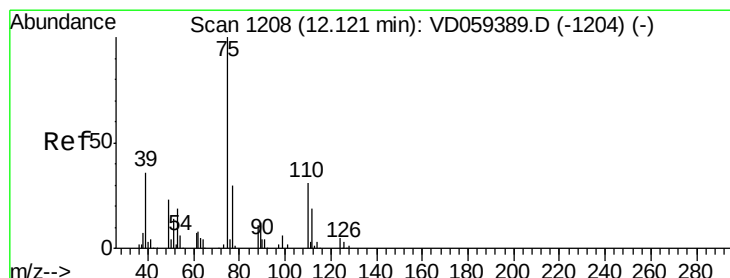
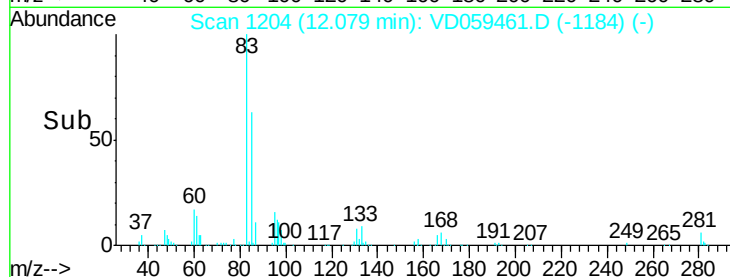
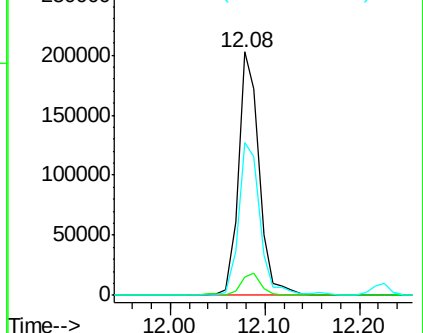
85 62.5 34.6 103.8



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: 50.659 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059461.D

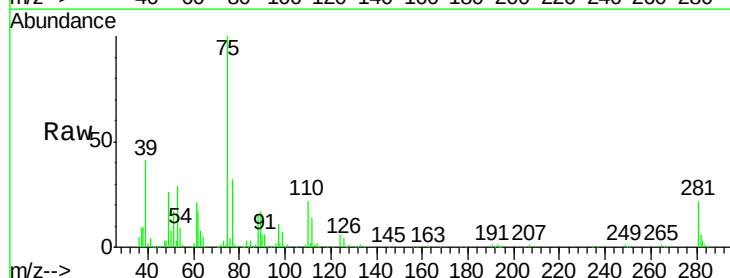
Acq: 28 Jun 2018 14:11

Tgt Ion: 75 Resp: 334986

Ion Ratio Lower Upper

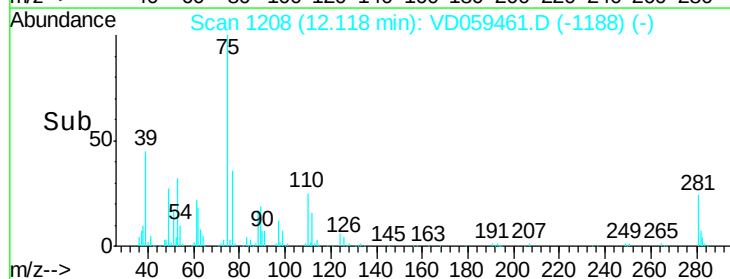
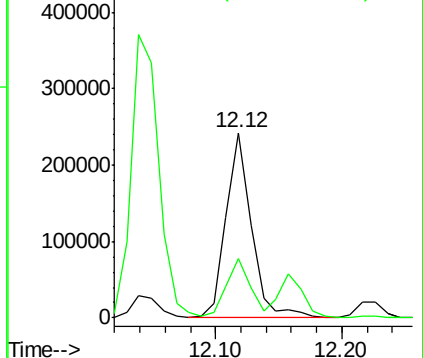
75 100

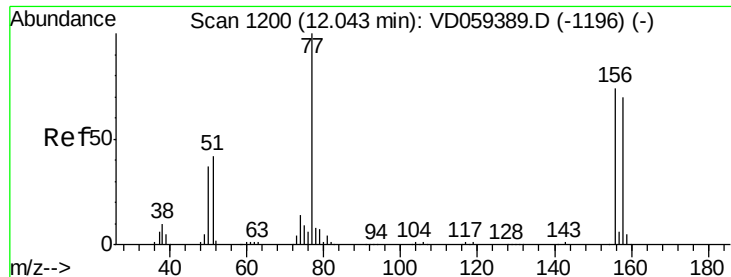
77 32.1 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.113 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

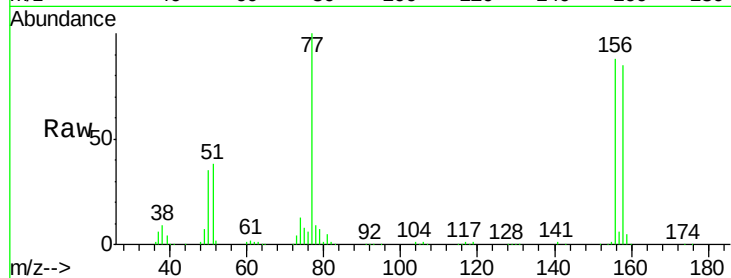
Tot Ion:156 Resp: 426701

Ion Ratio Lower Upper

156 100

77 114.2 68.0 203.8

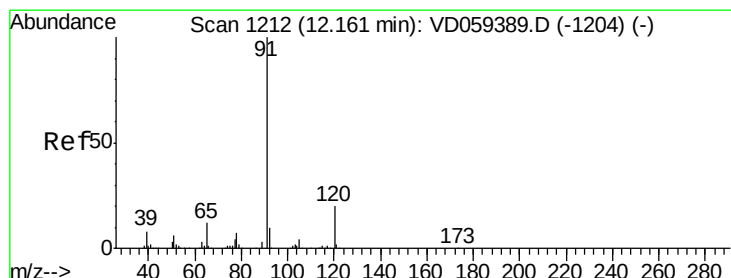
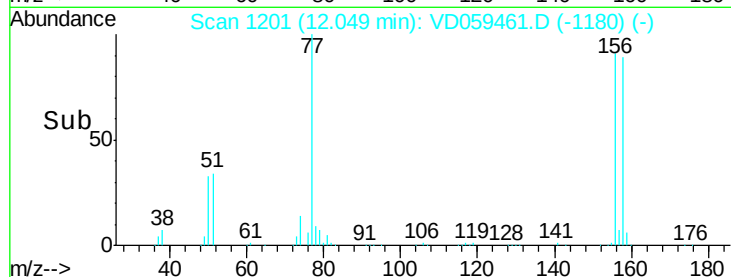
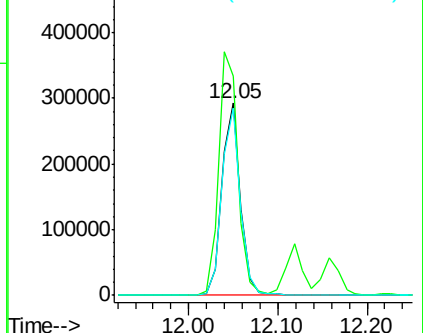
158 97.1 47.7 143.1



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: 50.433 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059461.D

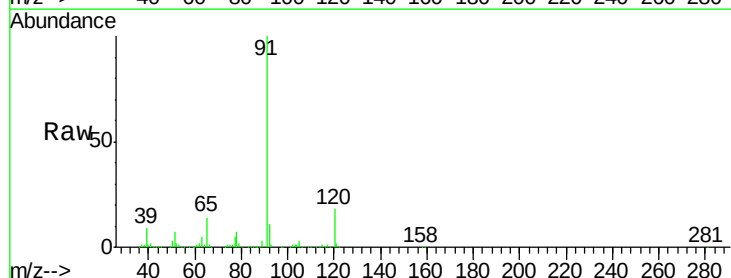
Acq: 28 Jun 2018 14:11

Tgt Ion: 91 Resp: 1728015

Ion Ratio Lower Upper

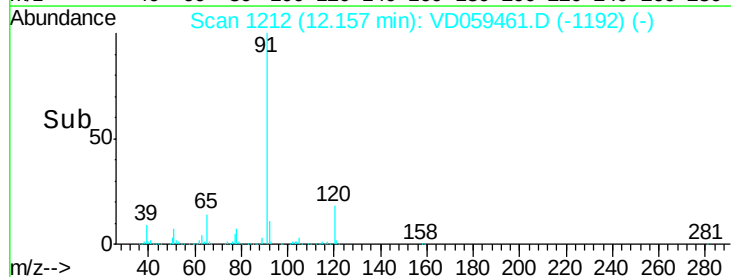
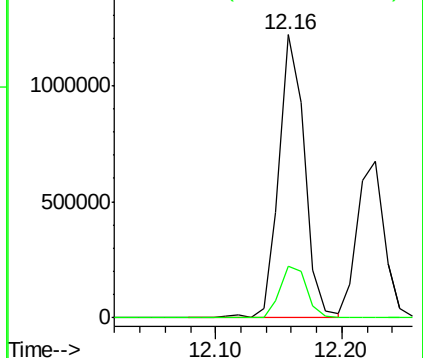
91 100

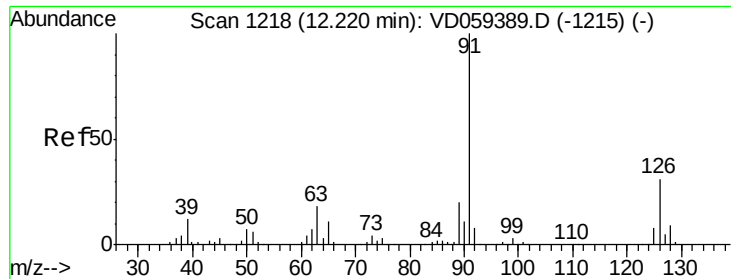
120 18.4 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

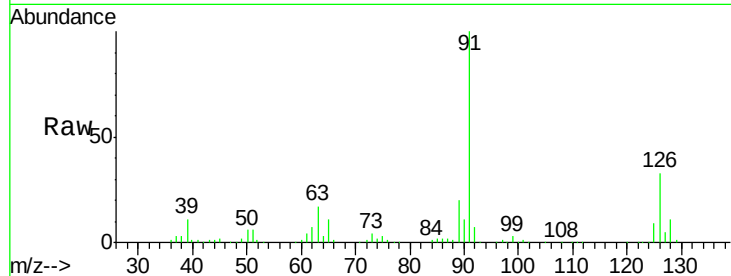




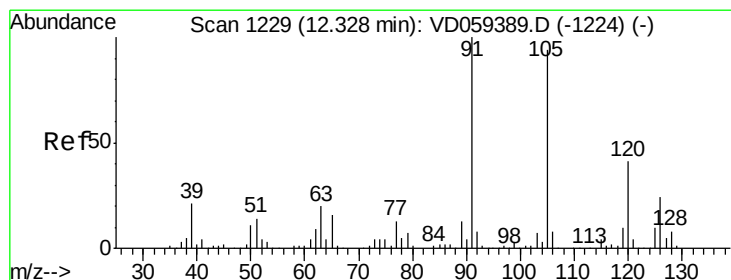
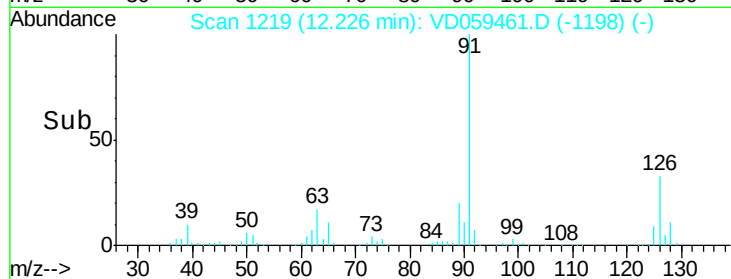
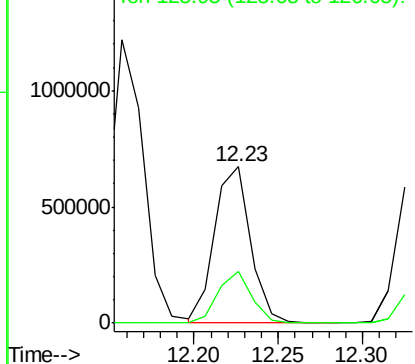
#79
 2-Chlorotoluene
 Concen: 49.323 ug/l
 RT: 12.23 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 992458
 Ion Ratio Lower Upper
 91 100
 126 33.4 15.2 45.5

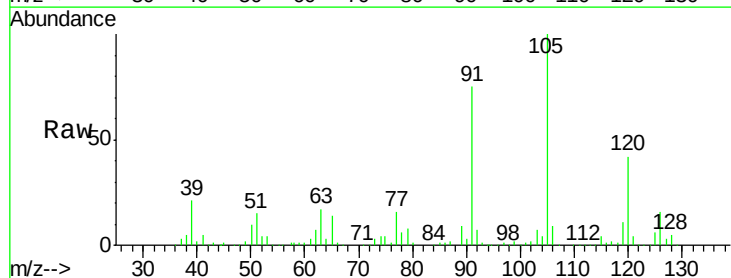


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

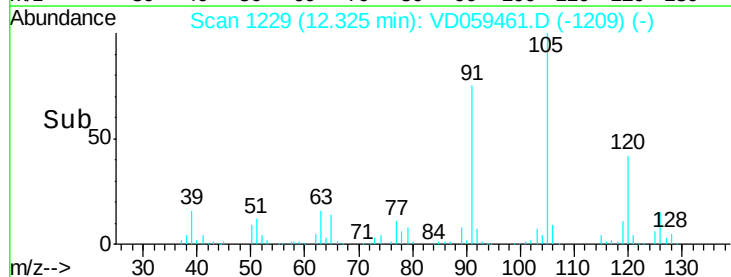
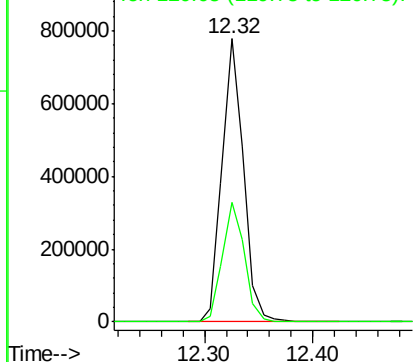


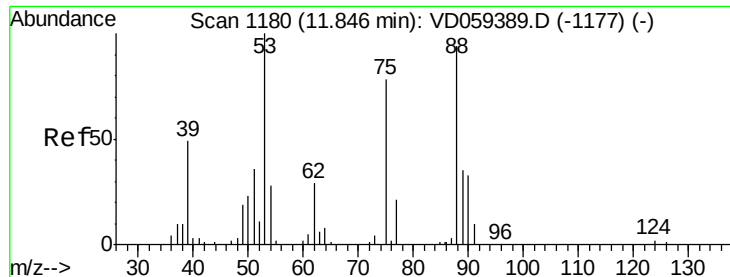
#80
 1,3,5-Trimethylbenzene
 Concen: 49.709 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

Tgt Ion:105 Resp: 1070596
 Ion Ratio Lower Upper
 105 100
 120 42.2 21.9 65.7



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





#81

trans-1,4-Dichloro-2-butene

Concen: 56.075 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

ClientSampled :

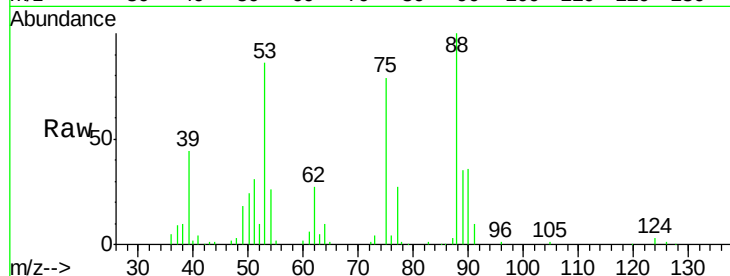
Tot Ion: 75 Resp: 84281

Ion Ratio Lower Upper

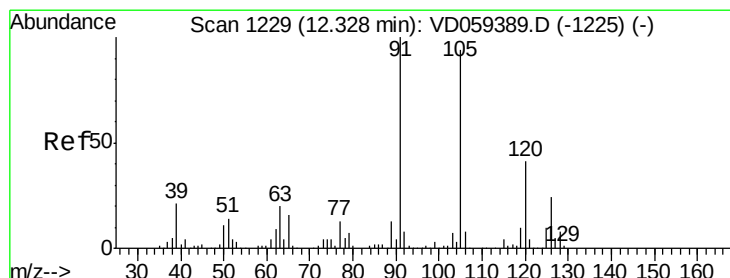
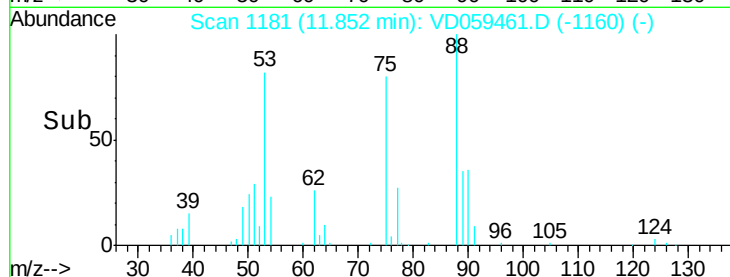
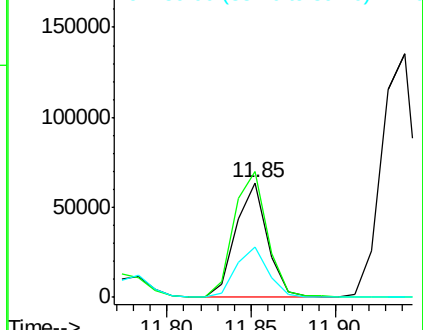
75 100

53 109.1 102.6 154.0

89 43.5 35.9 53.9



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



#82

4-Chlorotoluene

Concen: 49.467 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD059461.D

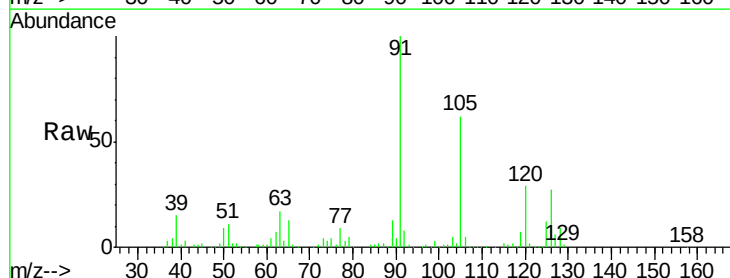
Acq: 28 Jun 2018 14:11

Tgt Ion: 91 Resp: 1128671

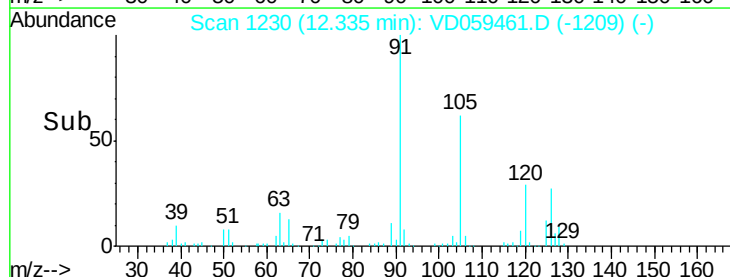
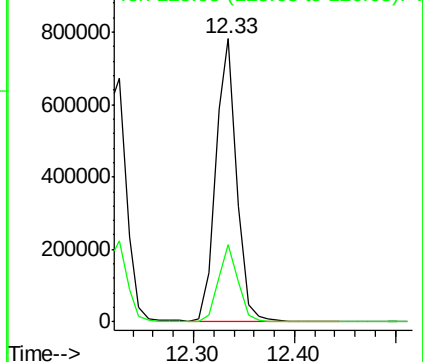
Ion Ratio Lower Upper

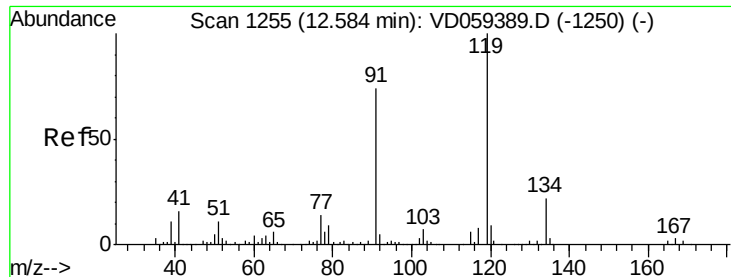
91 100

126 27.3 12.2 36.6



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

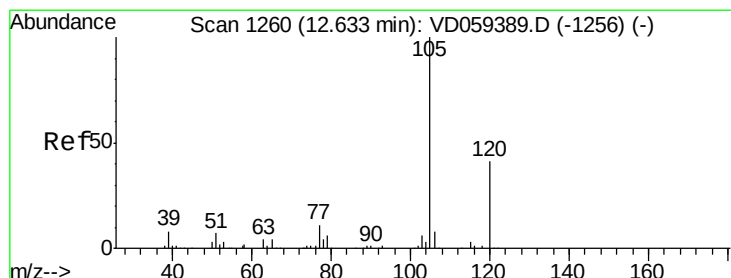
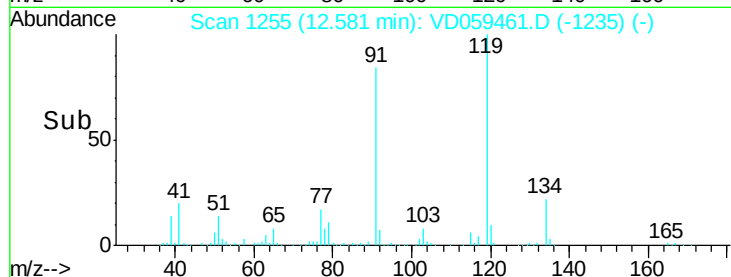
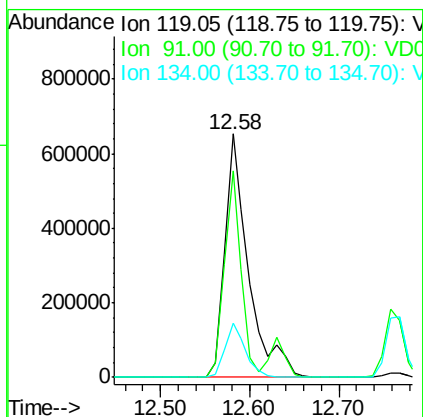
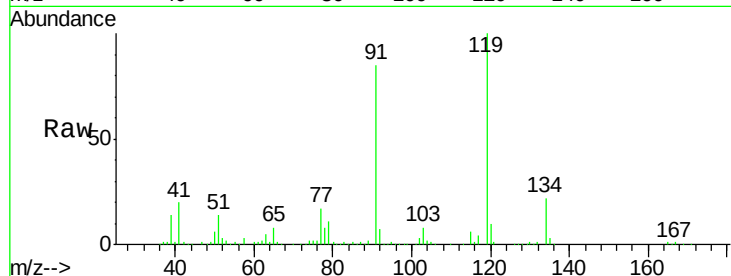




#83
 tert-Butylbenzene
 Concen: 53.184 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

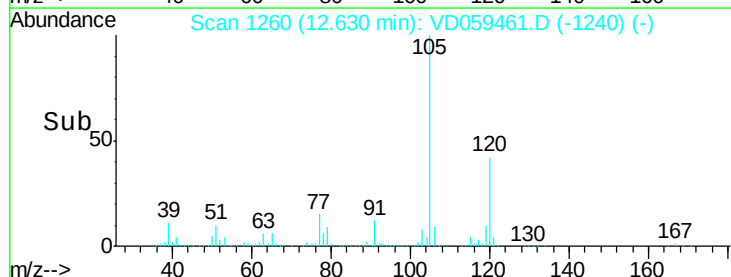
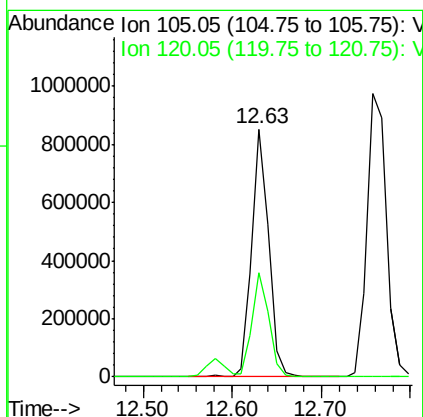
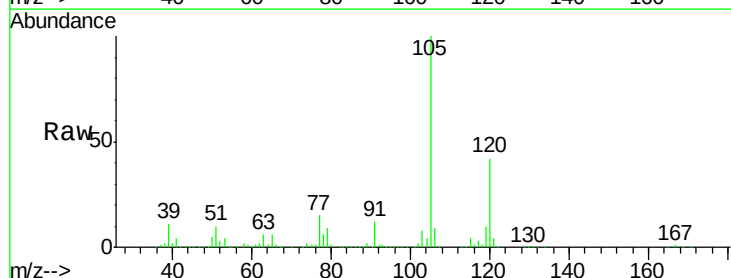
Instrument :
 MSVOA_D
 ClientSampleId :

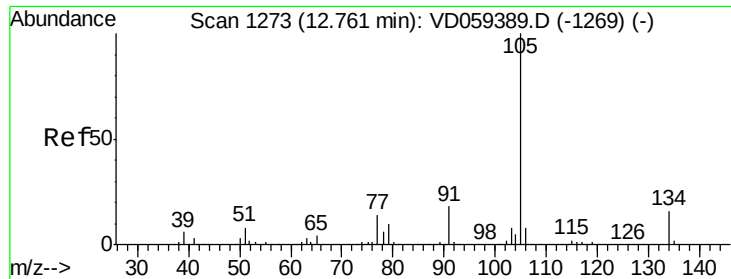
Tot Ion:119 Resp: 1218414
 Ion Ratio Lower Upper
 119 100
 91 84.7 36.9 110.7
 134 22.5 11.2 33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 48.834 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

Tgt Ion:105 Resp: 1113064
 Ion Ratio Lower Upper
 105 100
 120 42.0 21.5 64.5





#85

sec-Butylbenzene

Concen: 51.551 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

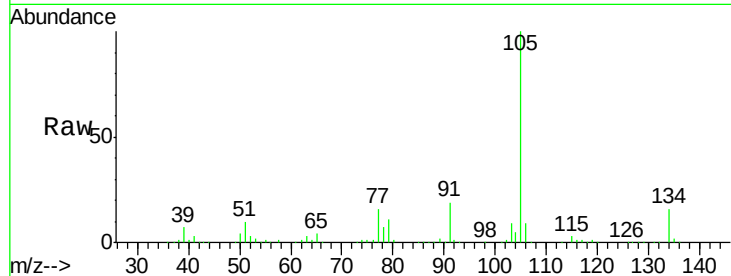
ClientSampled :

Tot Ion:105 Resp: 1449188

Ion Ratio Lower Upper

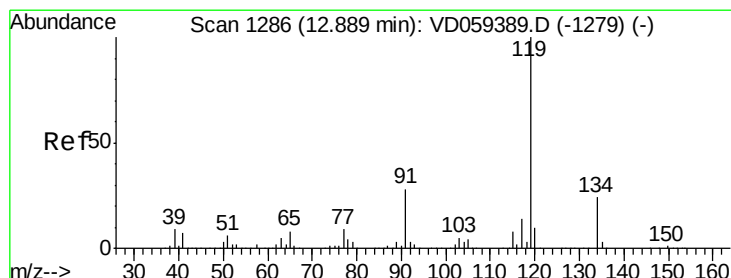
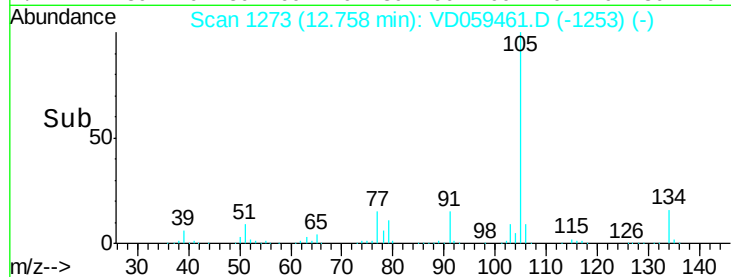
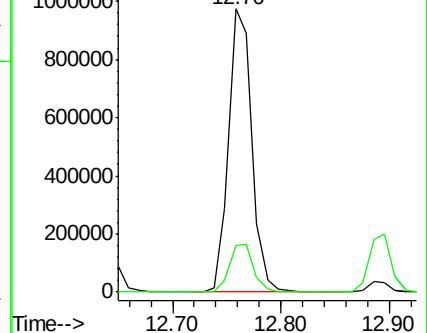
105 100

134 16.4 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.737 ug/l

RT: 12.90 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

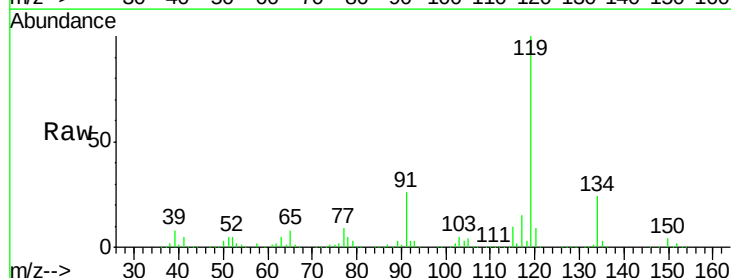
Tgt Ion:119 Resp: 1194940

Ion Ratio Lower Upper

119 100

134 23.8 11.9 35.5

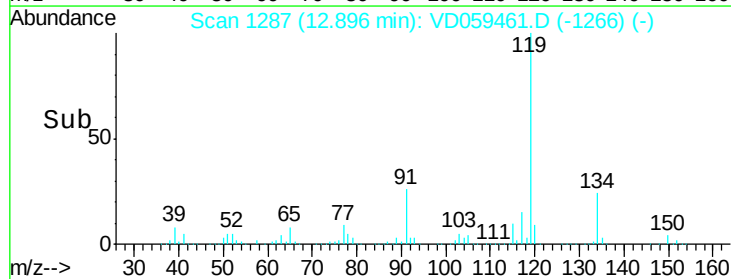
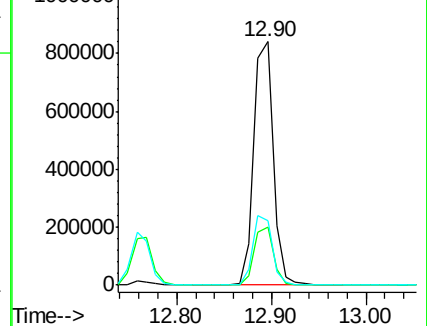
91 26.3 14.1 42.4

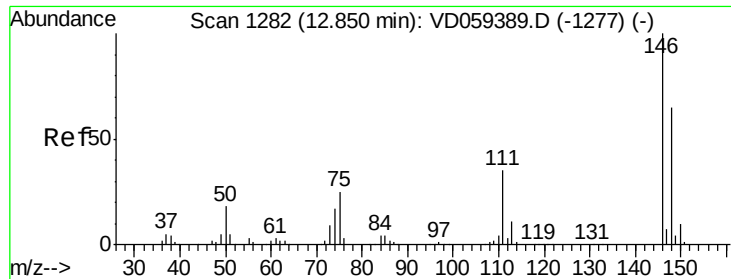


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

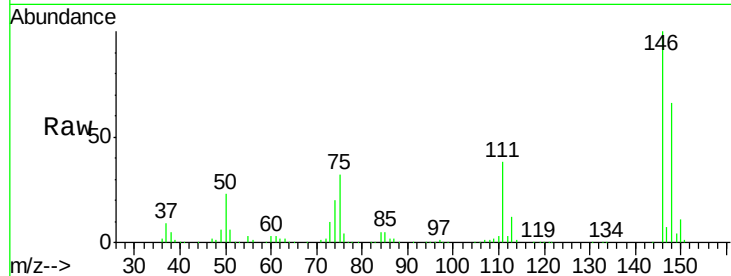




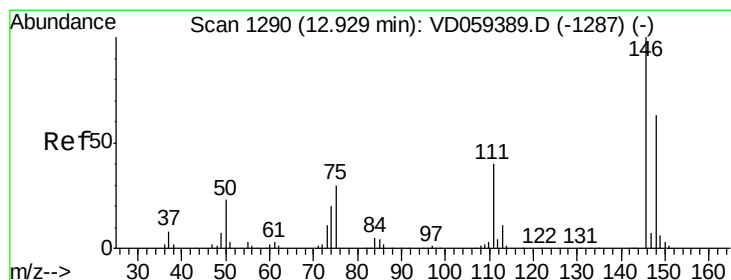
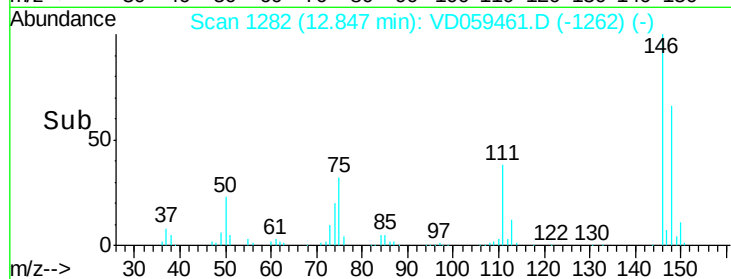
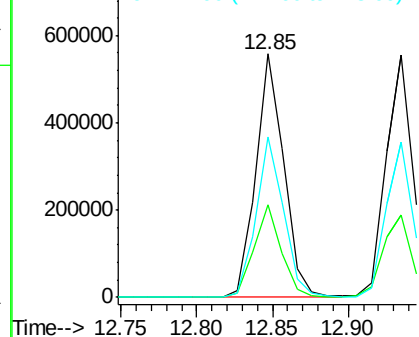
#87
 1,3-Dichlorobenzene
 Concen: 51.341 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 719201
 Ion Ratio Lower Upper
 146 100
 111 38.2 17.6 52.8
 148 66.1 32.4 97.2

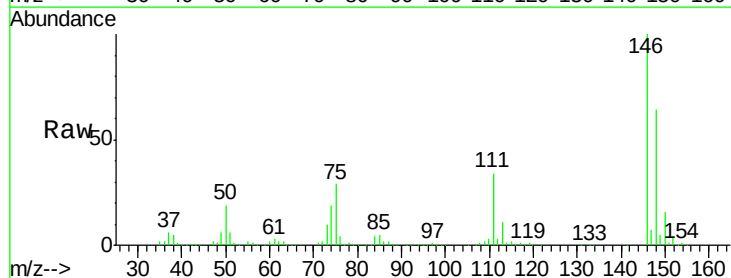


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

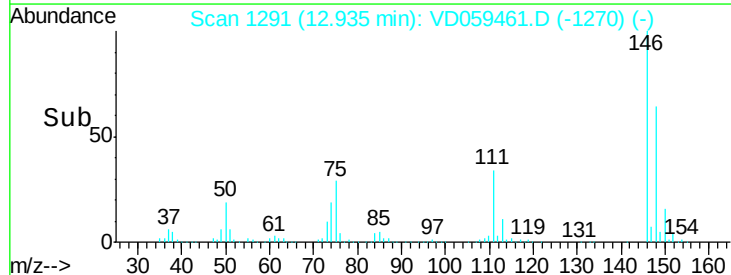
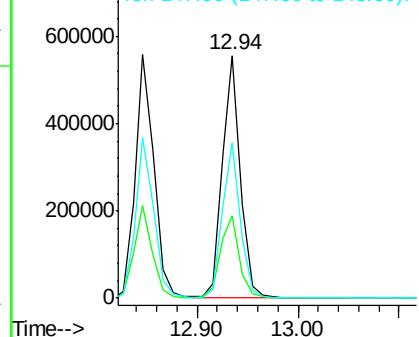


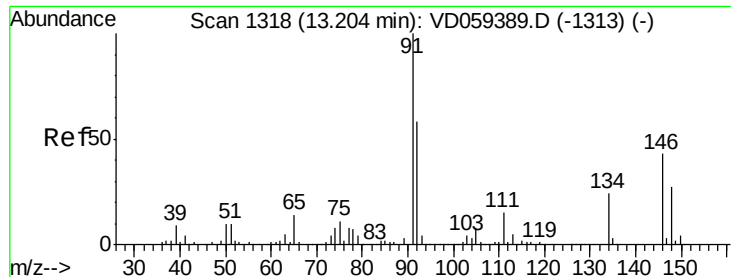
#88
 1,4-Dichlorobenzene
 Concen: 50.540 ug/l
 RT: 12.94 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

Tgt Ion:146 Resp: 698639
 Ion Ratio Lower Upper
 146 100
 111 33.7 20.1 60.2
 148 64.1 31.4 94.0



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

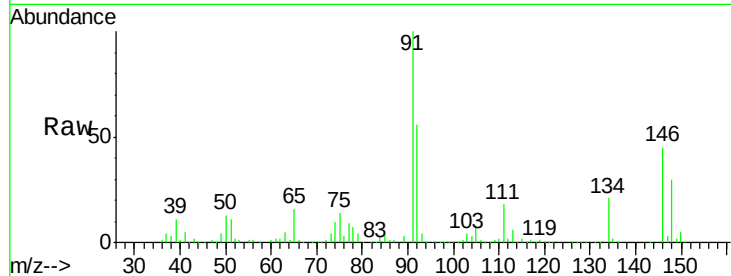




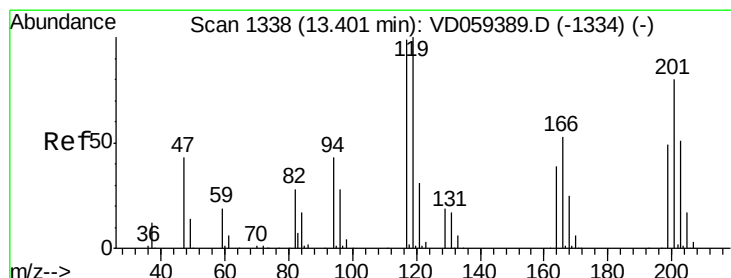
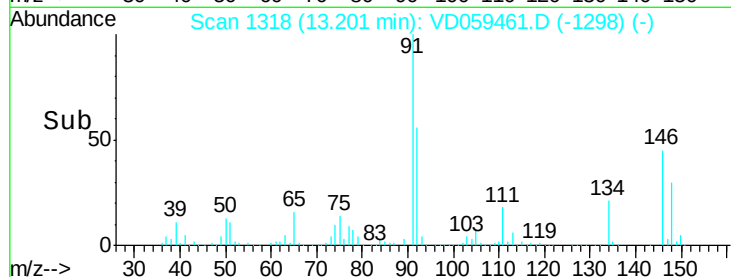
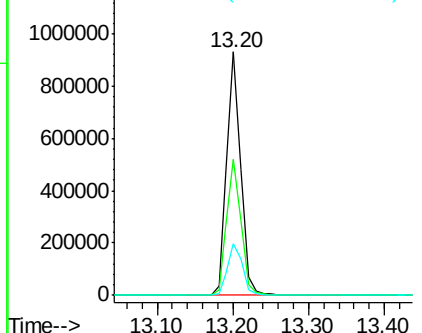
#89
n-Butylbenzene
Concen: 53.515 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1196919
Ion Ratio Lower Upper
91 100
92 56.0 28.8 86.5
134 21.3 11.9 35.7

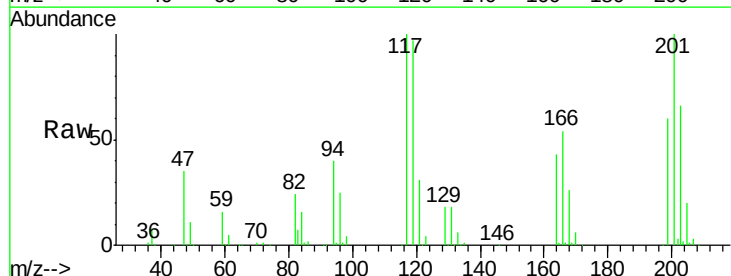


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

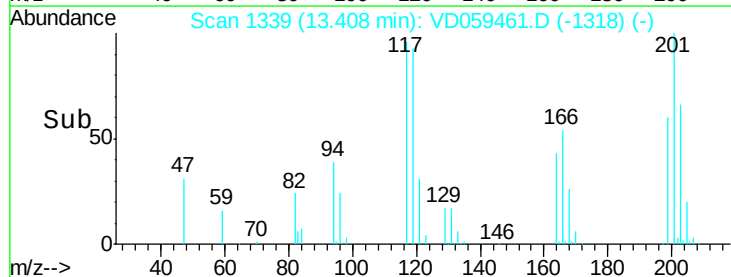
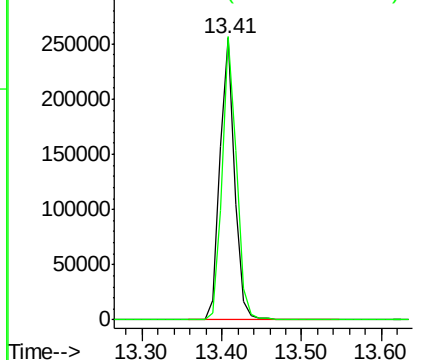


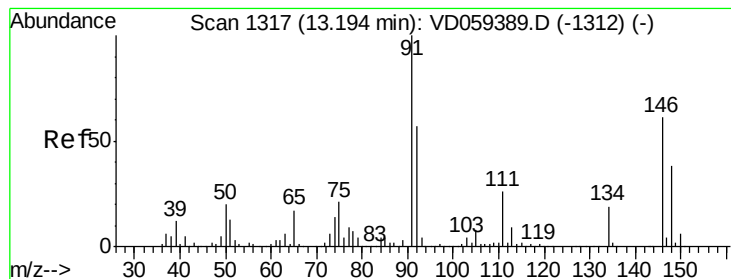
#90
Hexachloroethane
Concen: 58.799 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VD059461.D
Acq: 28 Jun 2018 14:11

Tgt Ion: 117 Resp: 332395
Ion Ratio Lower Upper
117 100
201 100.4 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 49.611 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

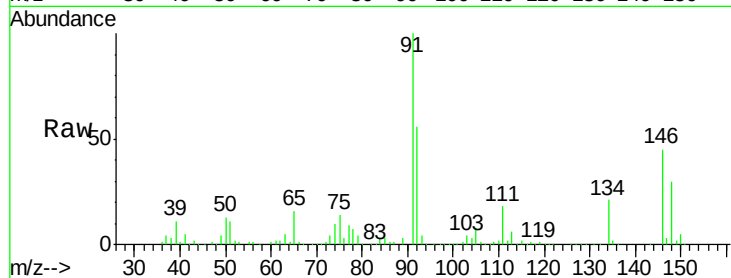
Tot Ion:146 Resp: 589233

Ion Ratio Lower Upper

146 100

111 40.7 21.4 64.2

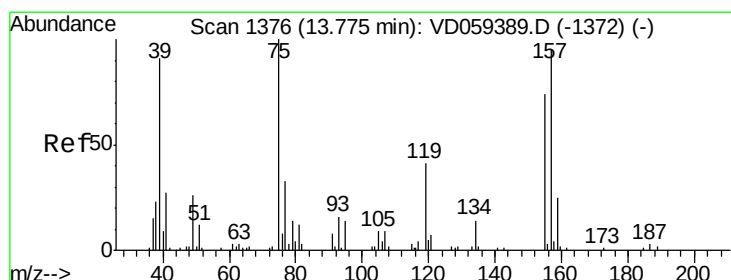
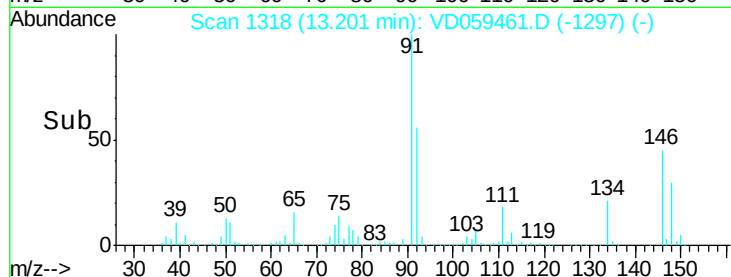
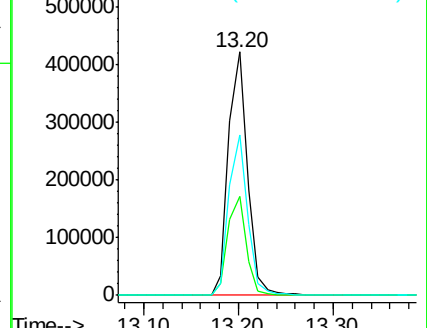
148 66.1 31.6 95.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.601 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

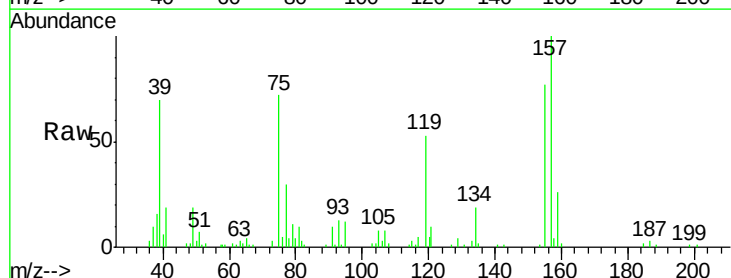
Tgt Ion: 75 Resp: 49818

Ion Ratio Lower Upper

75 100

155 107.8 37.2 111.6

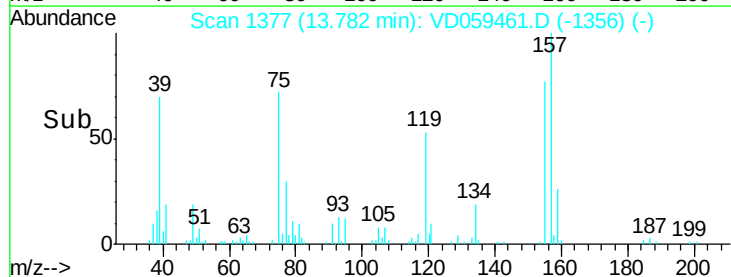
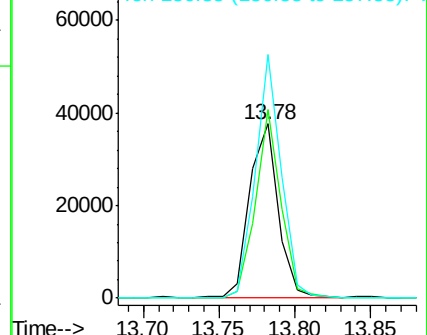
157 139.6 47.4 142.2

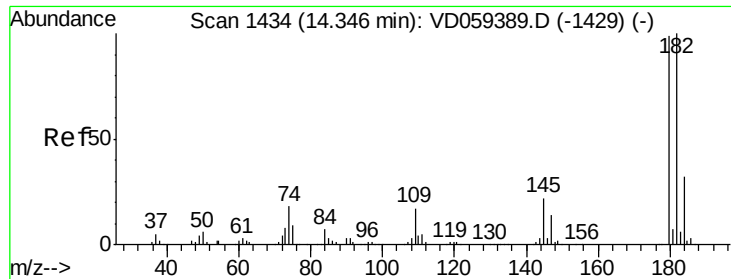


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

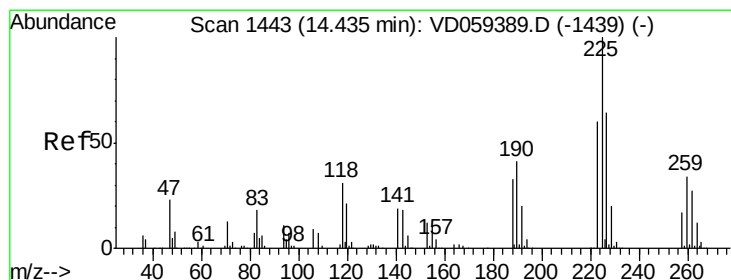
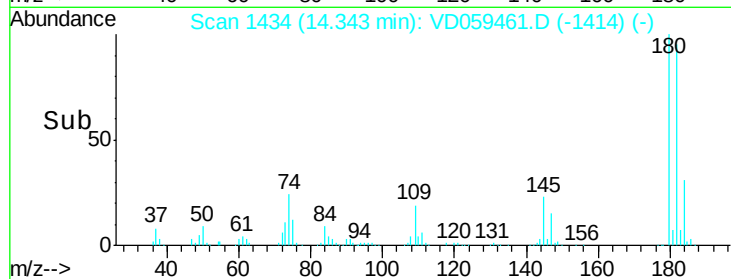
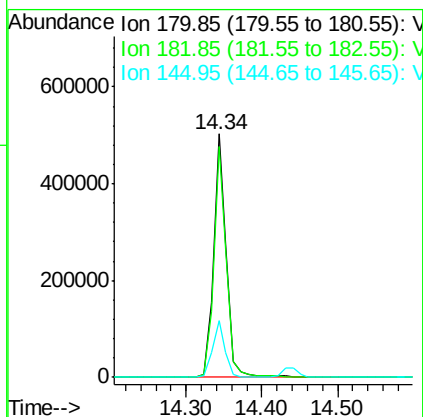
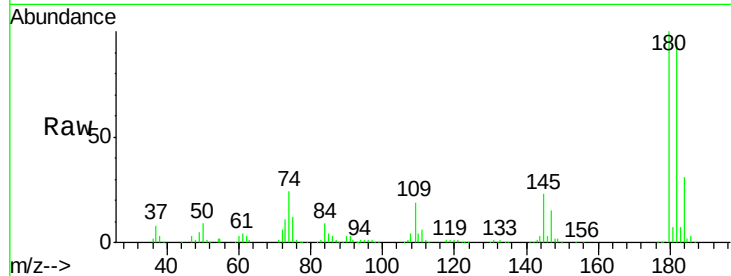




#93
 1,2,4-Trichlorobenzene
 Concen: 54.669 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

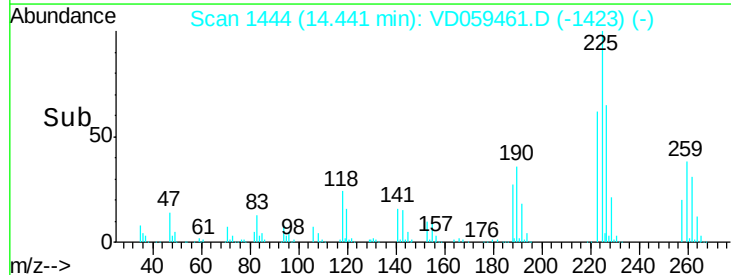
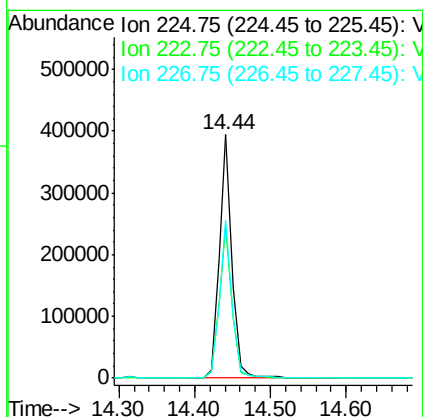
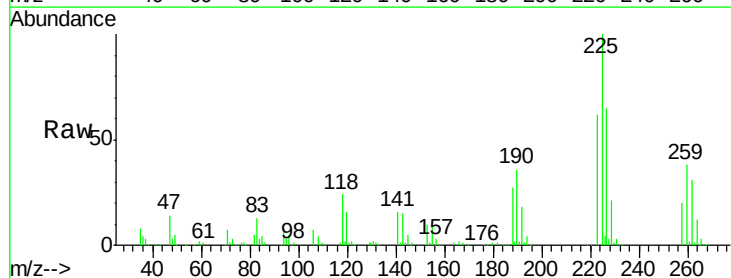
Instrument :
 MSVOA_D
 ClientSampleId :

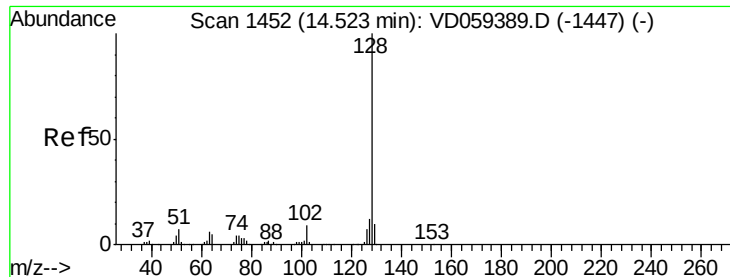
Tot Ion:180 Resp: 600301
 Ion Ratio Lower Upper
 180 100
 182 94.7 50.4 151.2
 145 23.2 11.0 33.0



#94
 Hexachlorobutadiene
 Concen: 56.611 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059461.D
 Acq: 28 Jun 2018 14:11

Tgt Ion:225 Resp: 467769
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.0 90.1
 227 65.0 32.1 96.5





#95

Naphthalene

Concen: 47.939 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

Instrument :

MSVOA_D

ClientSampled :

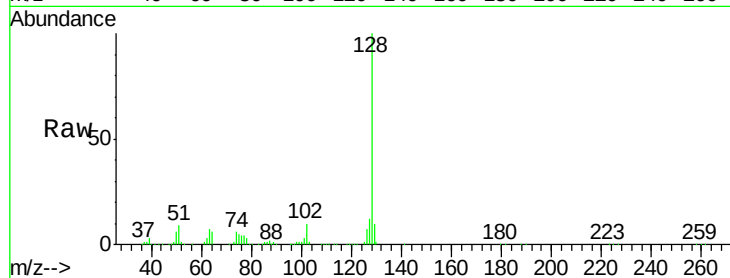
Tot Ion:128 Resp: 733651

Ion Ratio Lower Upper

128 100

127 11.9 9.6 14.4

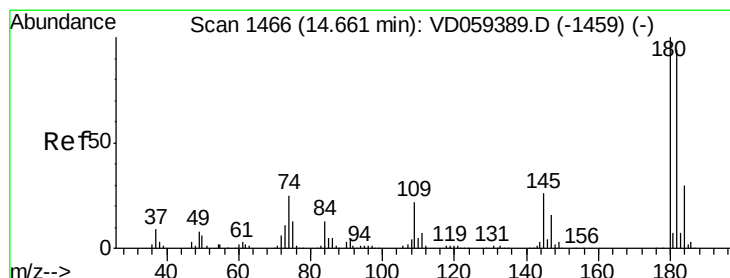
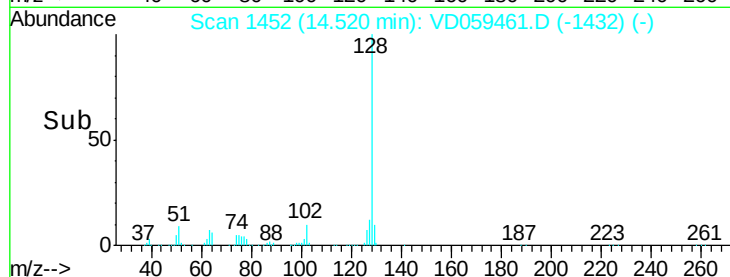
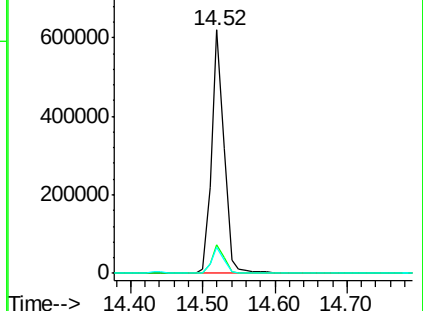
129 10.5 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.359 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD059461.D

Acq: 28 Jun 2018 14:11

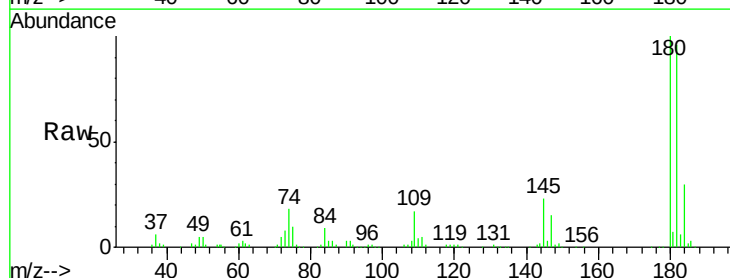
Tgt Ion:180 Resp: 526820

Ion Ratio Lower Upper

180 100

182 95.9 47.1 141.4

145 23.5 13.1 39.3



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

