

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059396.D
 Acq On : 25 Jun 2018 12:50
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 26 06:44:53 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	1031950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1296096	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1009558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	531058	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	413267	39.16	ug/l	0.00
Spiked Amount			Recovery	=	78.32%	
35) Dibromofluoromethane	5.55	113	460650	43.63	ug/l	0.00
Spiked Amount			Recovery	=	87.26%	
50) Toluene-d8	8.71	98	1039175	42.11	ug/l	0.00
Spiked Amount			Recovery	=	84.22%	
62) 4-Bromofluorobenzene	11.93	95	422220	41.13	ug/l	0.00
Spiked Amount			Recovery	=	82.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	423955	46.175	ug/l	99
3) Chloromethane	1.48	50	208541	43.650	ug/l	92
4) Vinyl Chloride	1.56	62	239722	48.366	ug/l #	89
5) Bromomethane	1.80	94	102208	60.796	ug/l	95
6) Chloroethane	1.89	64	109350	52.207	ug/l	98
7) Trichlorofluoromethane	2.08	101	363247	50.825	ug/l	97
8) Diethyl Ether	2.35	74	73620	45.524	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.56	101	223861	50.404	ug/l	91
10) Methyl Iodide	2.69	142	260481	50.211	ug/l	98
11) Tert butyl alcohol	3.26	59	84486	231.414	ug/l	94
12) 1,1-Dichloroethene	2.55	96	165682	48.726	ug/l	92
13) Acrolein	2.47	56	77888	238.643	ug/l	96
14) Allyl chloride	2.92	41	383027	49.213	ug/l	95
15) Acrylonitrile	3.36	53	308384	275.226	ug/l	97
16) Acetone	2.62	43	370225	277.967	ug/l	99
17) Carbon Disulfide	2.75	76	507803	48.761	ug/l	98
18) Methyl Acetate	2.94	43	125824	44.335	ug/l	98
19) Methyl tert-butyl Ether	3.40	73	787653	47.061	ug/l	96
20) Methylene Chloride	3.07	84	200389	54.474	ug/l	98
21) trans-1,2-Dichloroethene	3.38	96	358722	59.667	ug/l	98
22) Diisopropyl ether	4.07	45	1292311	44.131	ug/l	99
23) Vinyl Acetate	4.02	43	3637654	238.421	ug/l	100
24) 1,1-Dichloroethane	3.97	63	763529	45.566	ug/l	98
25) 2-Butanone	4.84	43	609297	218.380	ug/l	97
26) 2,2-Dichloropropane	4.80	77	688293	52.968	ug/l	100
27) cis-1,2-Dichloroethene	4.80	96	429842	42.546	ug/l	96
28) Bromochloromethane	5.15	49	327483	45.080	ug/l	98
29) Tetrahydrofuran	5.18	42	307078	201.213	ug/l	99
30) Chloroform	5.32	83	805668	44.113	ug/l	94
31) Cyclohexane	5.59	56	553571	50.070	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	739611	50.010	ug/l	99
36) 1,1-Dichloropropene	5.75	75	537450	45.712	ug/l	98
37) Ethyl Acetate	4.93	43	289915	40.490	ug/l	99
38) Carbon Tetrachloride	5.73	117	598924	49.408	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	540060	48.430	ug/l	97
40) Benzene	6.01	78	1260354	44.670	ug/l	99
41) Methacrylonitrile	5.13	41	155925	45.212	ug/l	97
42) 1,2-Dichloroethane	6.13	62	571859	45.871	ug/l	96
43) Isopropyl Acetate	7.62	43	395691	44.005	ug/l	98
44) Trichloroethene	6.98	130	429899	46.535	ug/l	93
45) 1,2-Dichloropropane	7.35	63	356816	45.660	ug/l	95
46) Dibromomethane	7.46	93	253354	45.081	ug/l	95
47) Bromodichloromethane	7.74	83	610274	48.530	ug/l #	97
48) Methyl methacrylate	7.50	41	247589	45.195	ug/l	98
49) 1,4-Dioxane	7.48	88	47842	870.779	ug/l #	87
51) 4-Methyl-2-Pentanone	8.60	43	1277392	213.186	ug/l	96
52) Toluene	8.80	92	738320	43.815	ug/l	96
53) t-1,3-Dichloropropene	9.19	75	513910	48.905	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	591435	48.608	ug/l	95
55) 1,1,2-Trichloroethane	9.46	97	267547	43.732	ug/l	97
56) Ethyl methacrylate	9.31	69	307976	44.116	ug/l	99
57) 1,3-Dichloropropane	9.66	76	425543	42.530	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.19	63	767400	213.534	ug/l	100
59) 2-Hexanone	9.78	43	979624	230.033	ug/l	96
60) Dibromochloromethane	9.96	129	410832	47.954	ug/l	97
61) 1,2-Dibromoethane	10.10	107	305986	44.913	ug/l	98
64) Tetrachloroethene	9.52	164	387382	43.740	ug/l	97
65) Chlorobenzene	10.73	112	887605	48.083	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	346832	48.947	ug/l	95
67) Ethyl Benzene	10.85	91	1503918	48.281	ug/l	100
68) m/p-Xylenes	11.01	106	1010735	97.799	ug/l	95
69) o-Xylene	11.41	106	489763	47.934	ug/l	97
70) Styrene	11.44	104	826758	47.205	ug/l	98
71) Bromoform	11.60	173	287261	48.935	ug/l	96
73) Isopropylbenzene	11.77	105	1437227	47.958	ug/l	99
74) N-amyl acetate	11.64	43	522834	45.855	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	318771	45.339	ug/l	93
76) 1,2,3-Trichloropropane	12.11	75	338850	46.259	ug/l	97
77) Bromobenzene	12.04	156	437094	46.340	ug/l	98
78) n-propylbenzene	12.15	91	1787693	47.100	ug/l	100
79) 2-Chlorotoluene	12.21	91	1061064	47.603	ug/l	100
80) 1,3,5-Trimethylbenzene	12.32	105	1034690	43.369	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	88886	53.387	ug/l	93
82) 4-Chlorotoluene	12.32	91	1105216	43.727	ug/l	99
83) tert-Butylbenzene	12.58	119	1369181	53.952	ug/l	98
84) 1,2,4-Trimethylbenzene	12.63	105	1233457	48.853	ug/l	97
85) sec-Butylbenzene	12.75	105	1564276	50.232	ug/l	97
86) p-Isopropyltoluene	12.88	119	1255181	50.007	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	740356	47.711	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	747752	48.831	ug/l	99
89) n-Butylbenzene	13.20	91	1228031	49.565	ug/l	98
90) Hexachloroethane	13.40	117	334985	53.493	ug/l	60
91) 1,2-Dichlorobenzene	13.19	146	586136	44.550	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	56853	49.040	ug/l	96

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QLast Update : Mon Jun 25 07:29:35 2018
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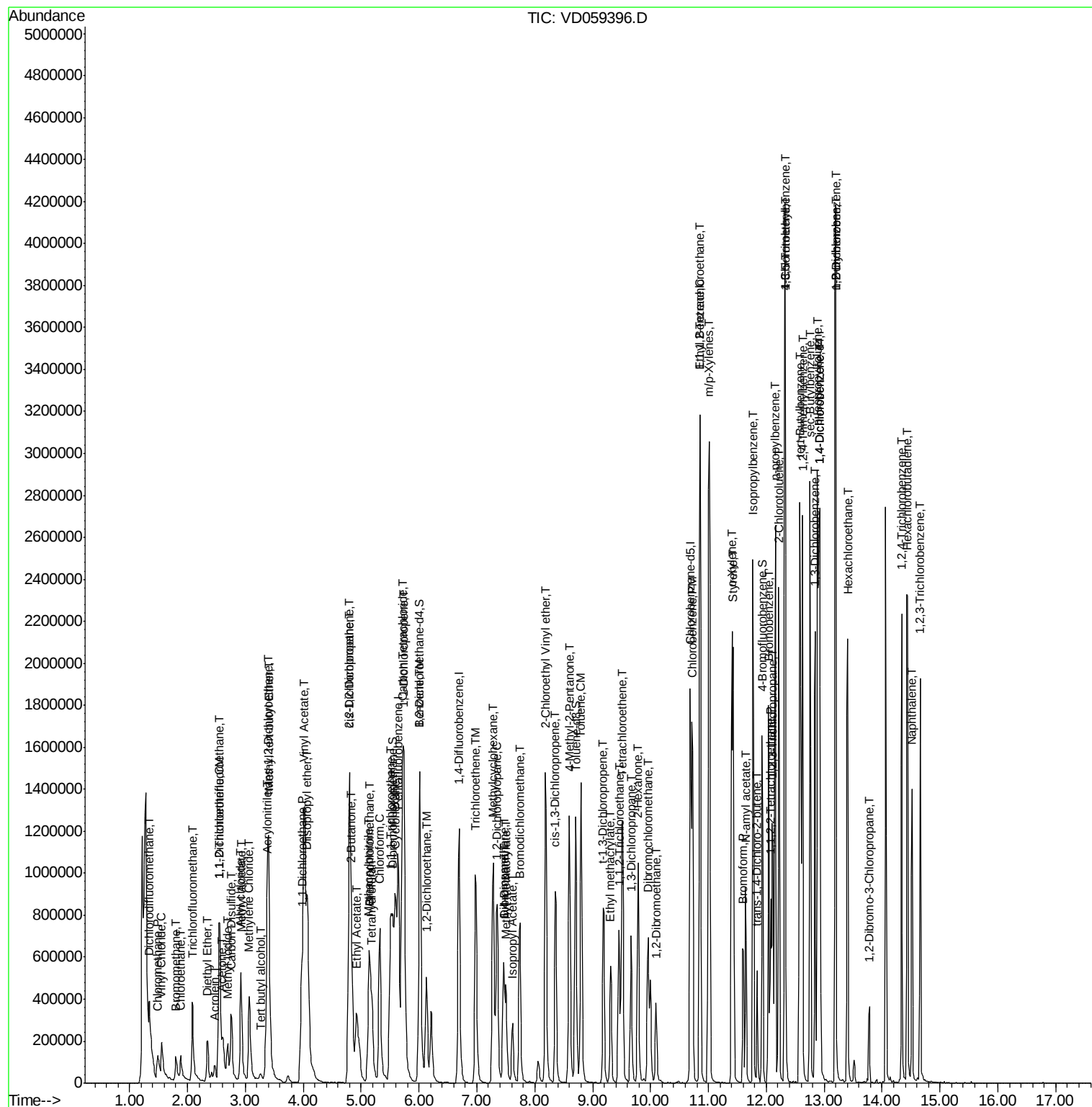
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	604202	49.672	ug/l	98
94) Hexachlorobutadiene	14.44	225	481864	52.645	ug/l	97
95) Naphthalene	14.52	128	804463	47.453	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	534205	48.845	ug/l	95

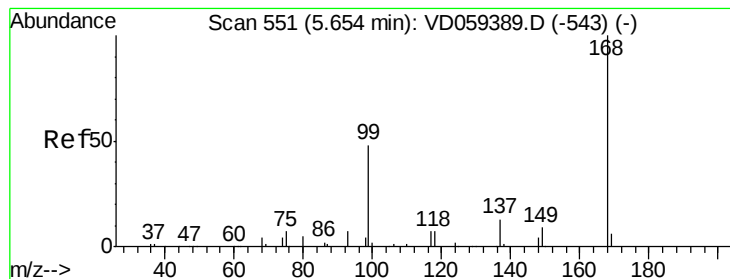
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062518\
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

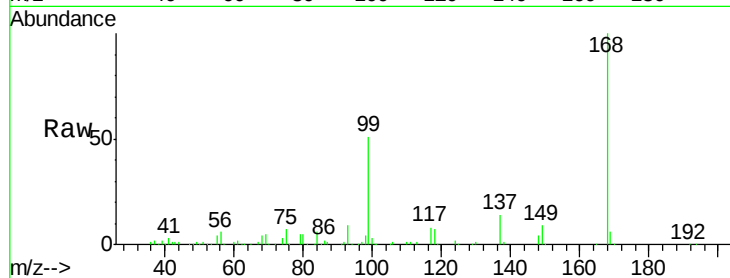
ClientSampleId :

Tot Ion:168 Resp: 1031950

Ion Ratio Lower Upper

168 100

99 50.7 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

400000

300000

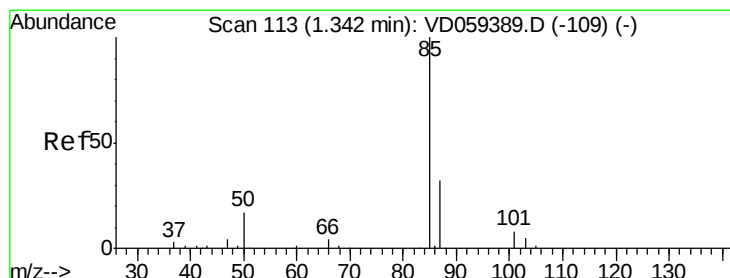
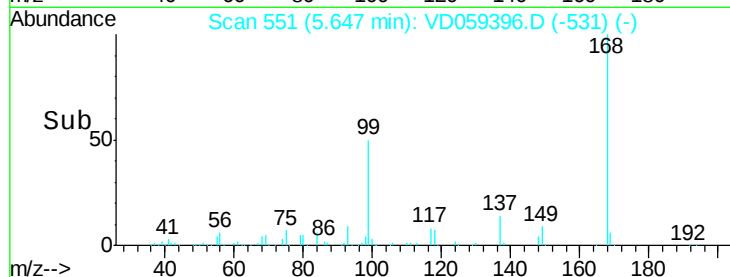
200000

100000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 46.175 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD059396.D

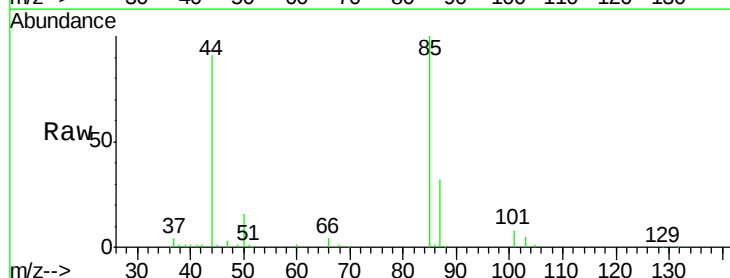
Acq: 25 Jun 2018 12:50

Tgt Ion: 85 Resp: 423955

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.35

150000

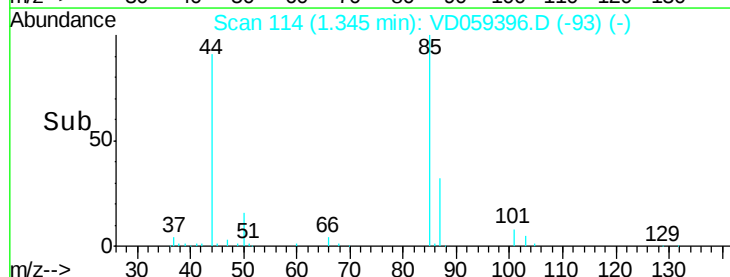
100000

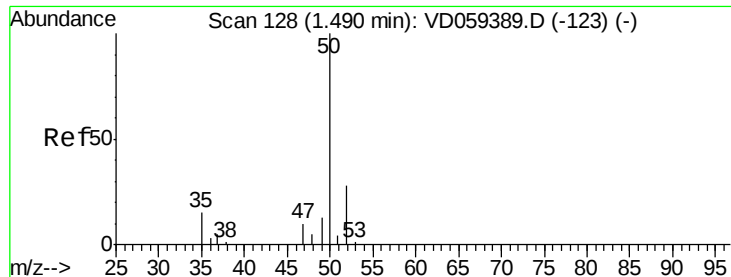
50000

0

1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 43.650 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

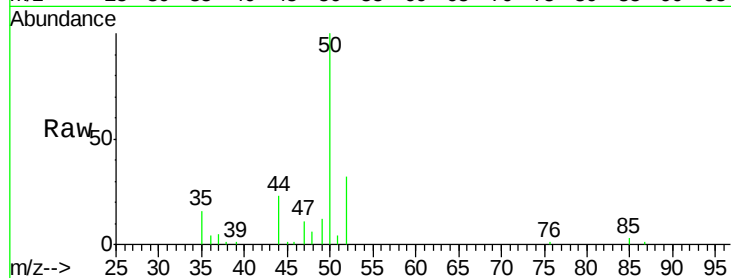
ClientSampleId :

Tot Ion: 50 Resp: 208541

Ion Ratio Lower Upper

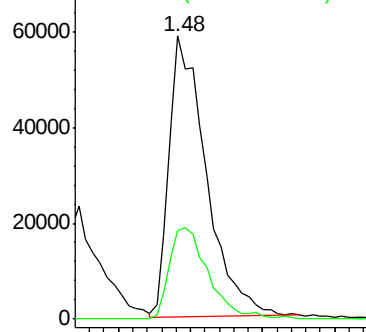
50 100

52 31.6 21.8 32.8

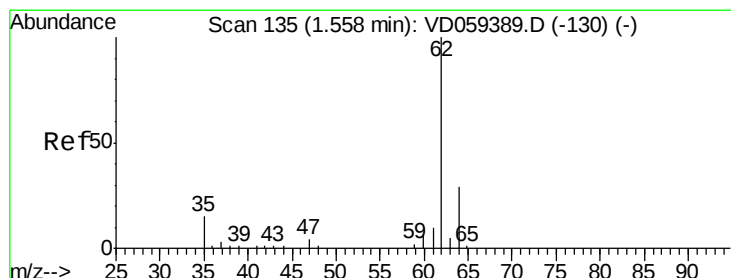
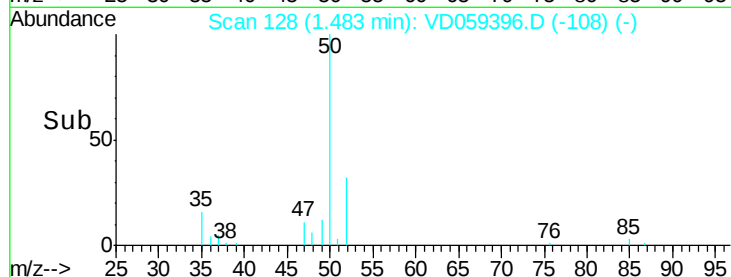


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 48.366 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD059396.D

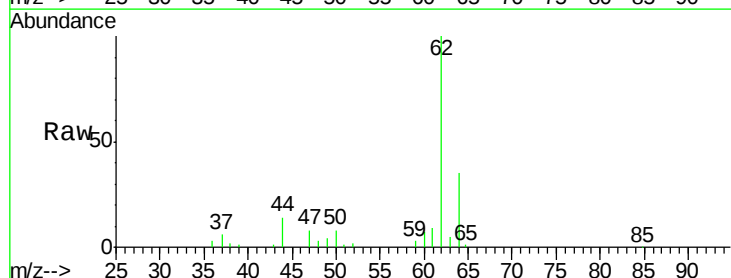
Acq: 25 Jun 2018 12:50

Tgt Ion: 62 Resp: 239722

Ion Ratio Lower Upper

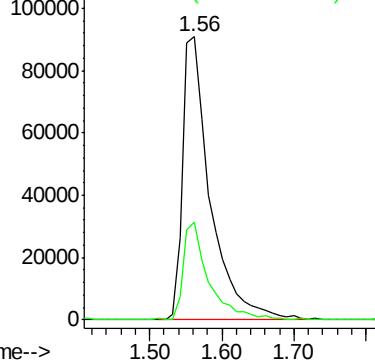
62 100

64 34.6 23.0 34.6#

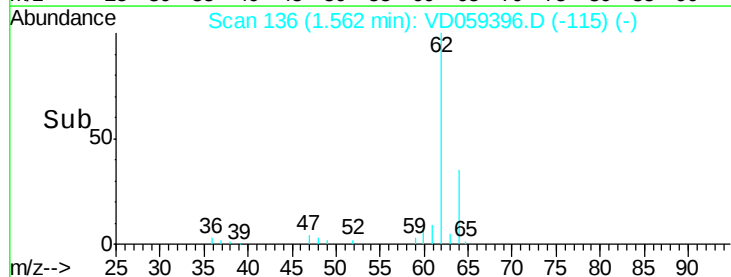


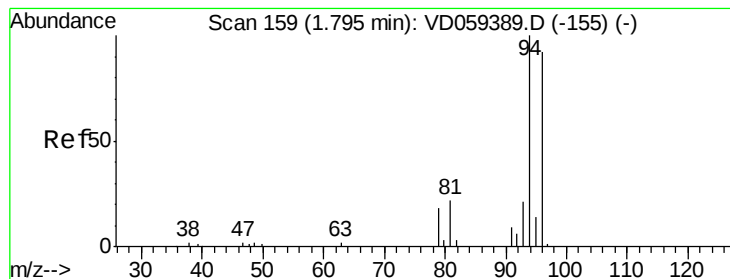
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time-->





#5

Bromomethane

Concen: 60.796 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

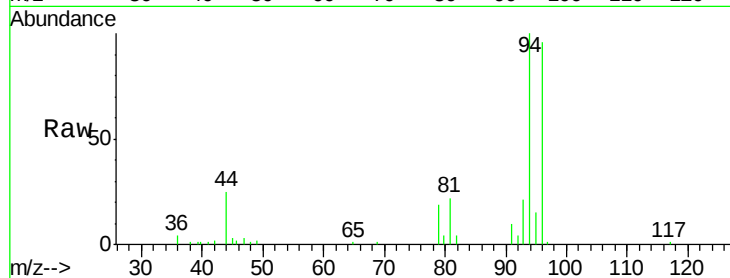
ClientSampleId :

Tot Ion: 94 Resp: 102208

Ion Ratio Lower Upper

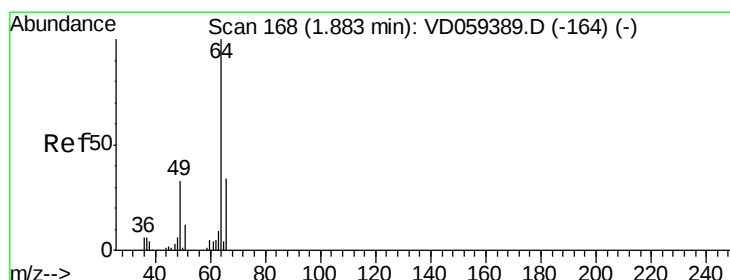
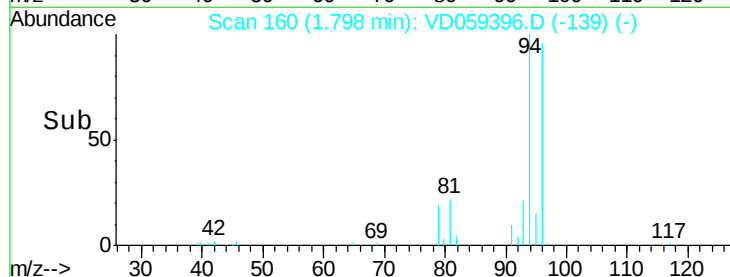
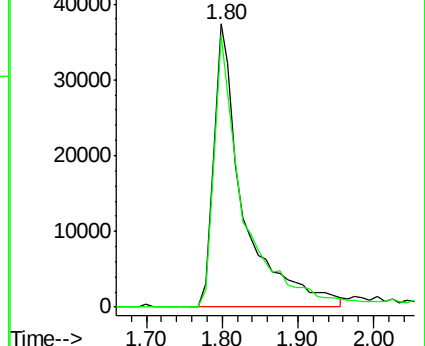
94 100

96 96.1 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: 52.207 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD059396.D

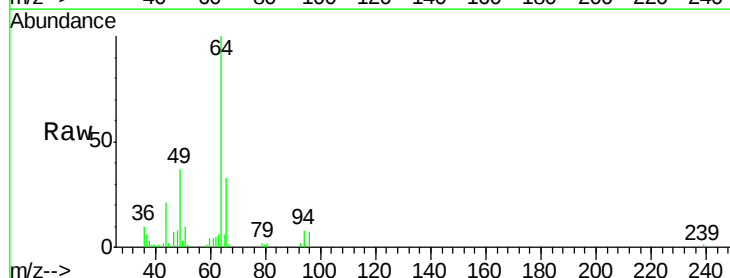
Acq: 25 Jun 2018 12:50

Tgt Ion: 64 Resp: 109350

Ion Ratio Lower Upper

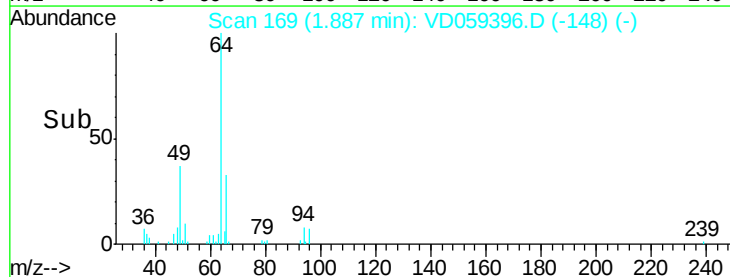
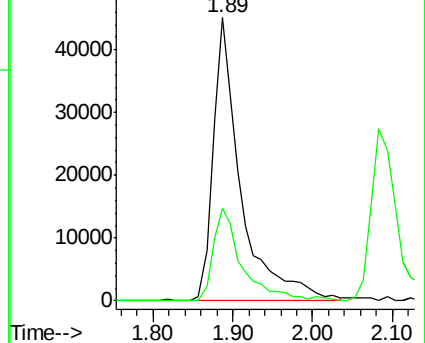
64 100

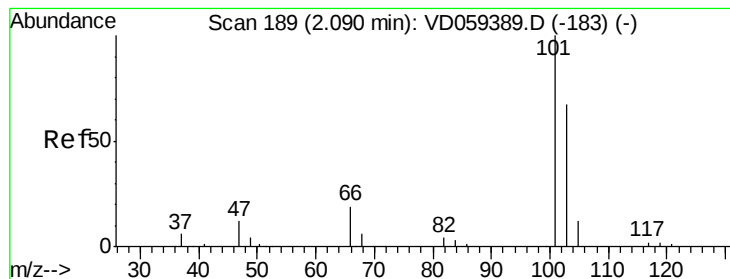
66 32.6 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



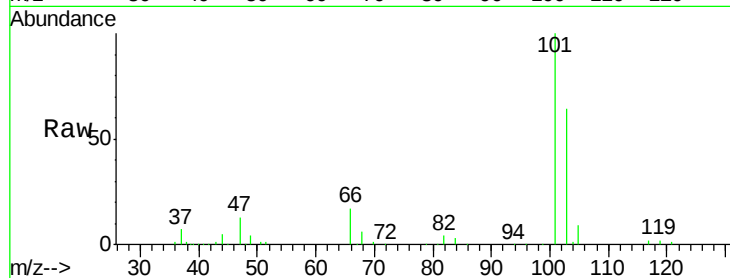


#7

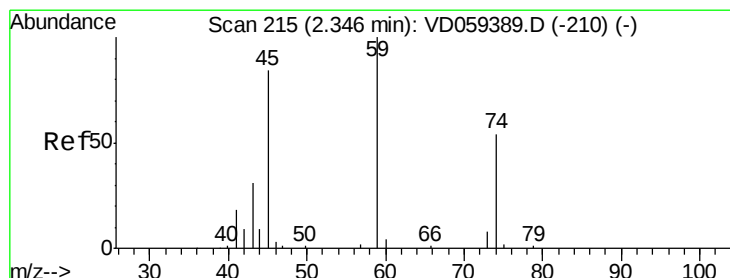
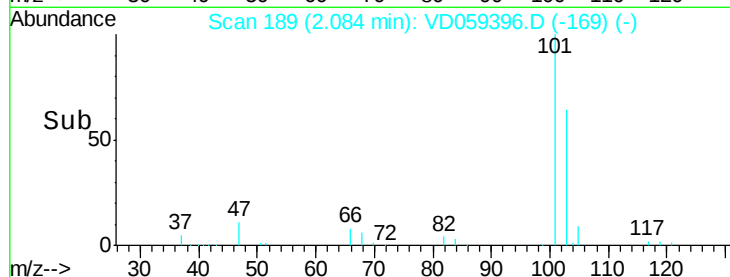
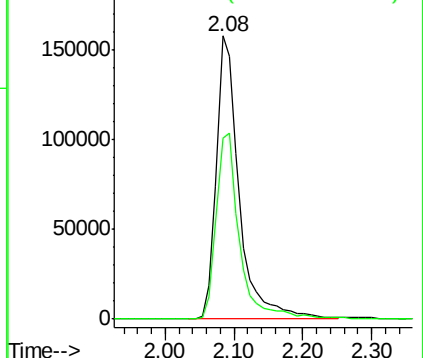
Trichlorofluoromethane
 Concen: 50.825 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 363247
 Ion Ratio Lower Upper
 101 100
 103 64.1 53.4 80.0



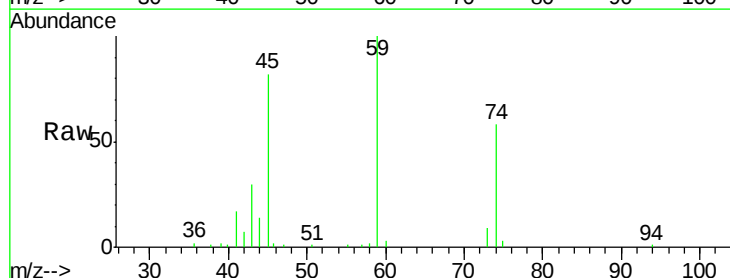
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



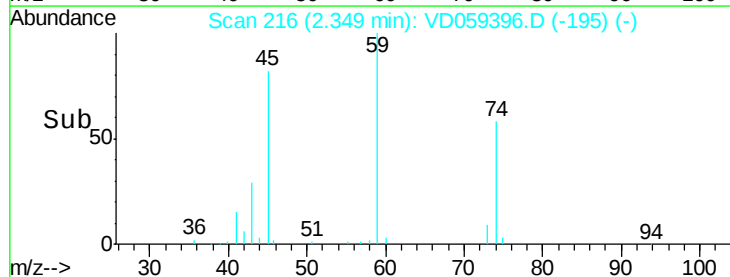
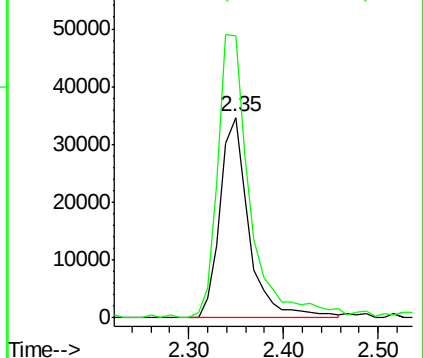
#8

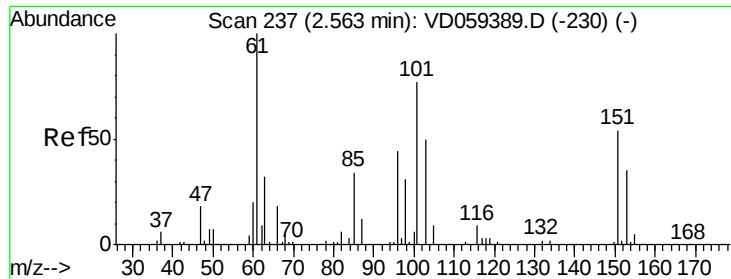
Diethyl Ether
 Concen: 45.524 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.00 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion: 74 Resp: 73620
 Ion Ratio Lower Upper
 74 100
 45 140.7 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: 50.404 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

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ClientSampleId :

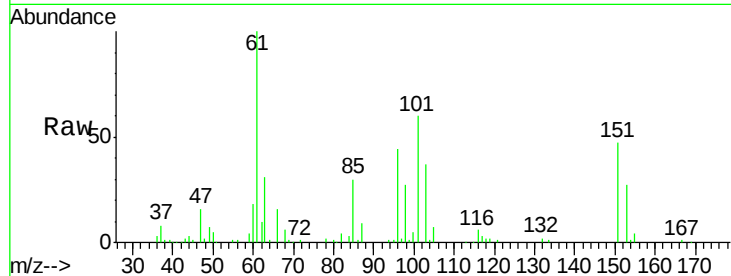
Tot Ion:101 Resp: 223861

Ion Ratio Lower Upper

101 100

85 49.6 35.7 53.5

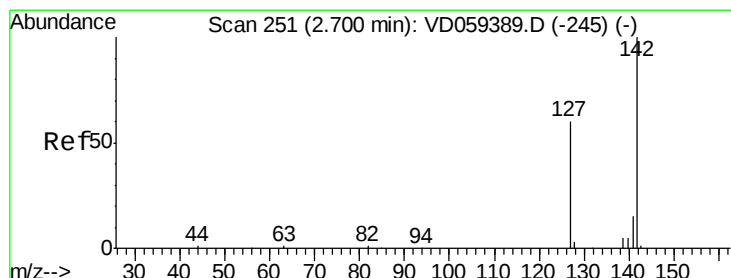
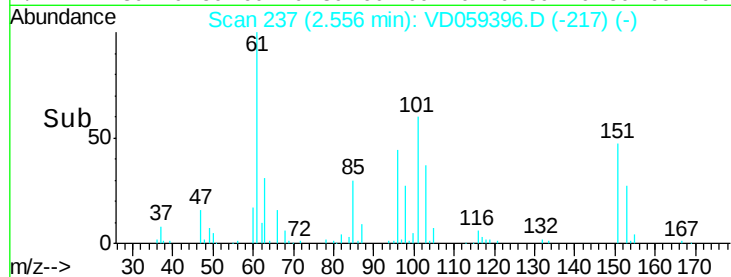
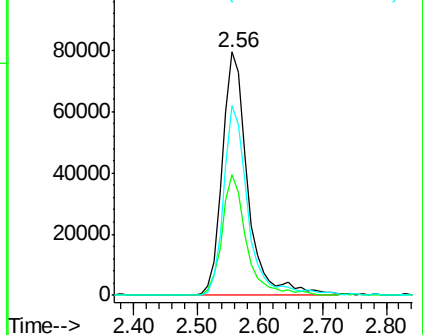
151 78.1 55.8 83.8



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: 50.211 ug/l

RT: 2.69 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

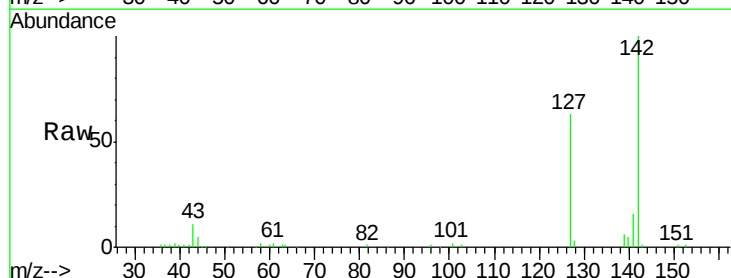
Tgt Ion:142 Resp: 260481

Ion Ratio Lower Upper

142 100

127 62.5 48.4 72.6

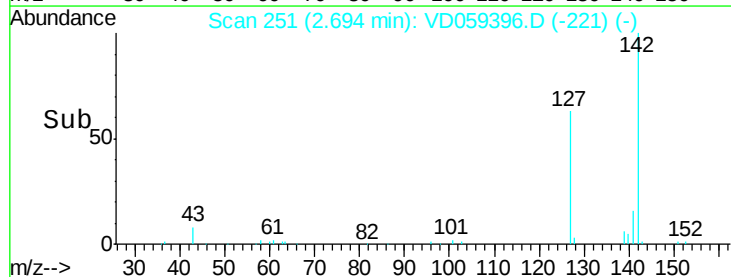
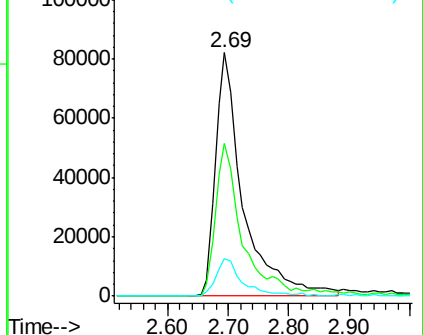
141 15.6 12.1 18.1

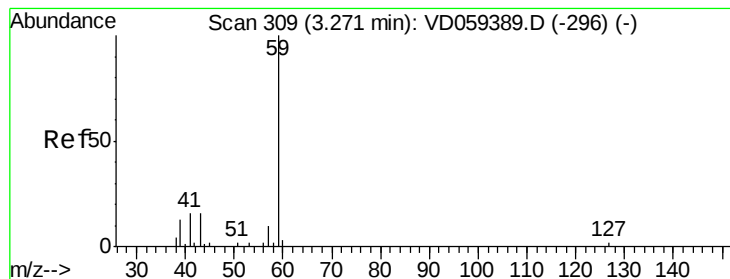


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



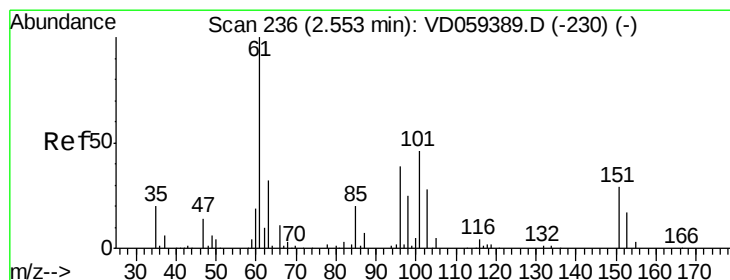
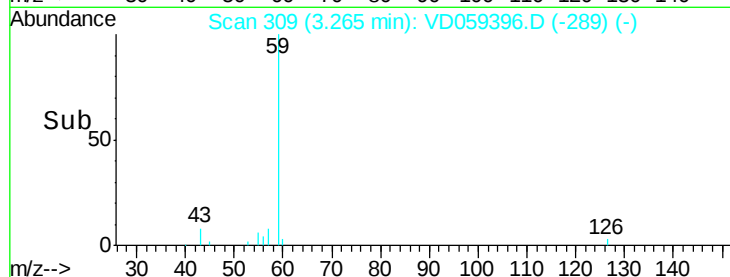
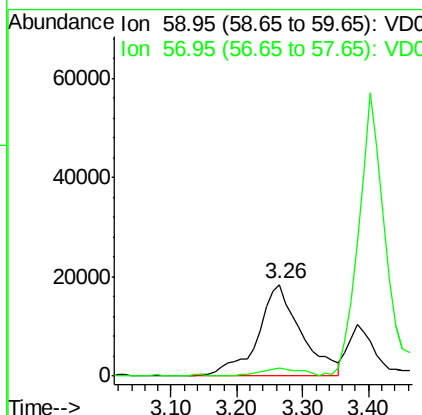
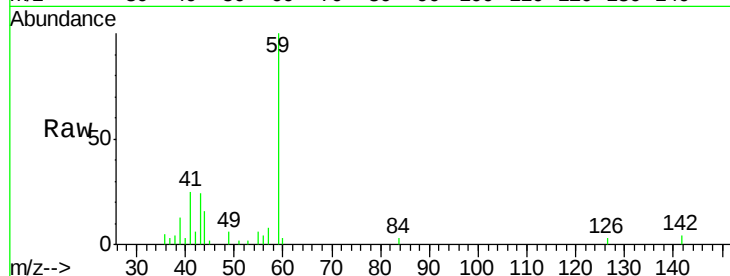


#11

Tert butyl alcohol
 Concen: 231.414 ug/l
 RT: 3.26 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Instrument :
 MSVOA_D
 ClientSampleId :

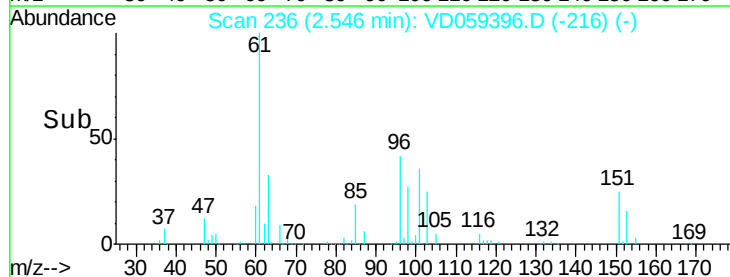
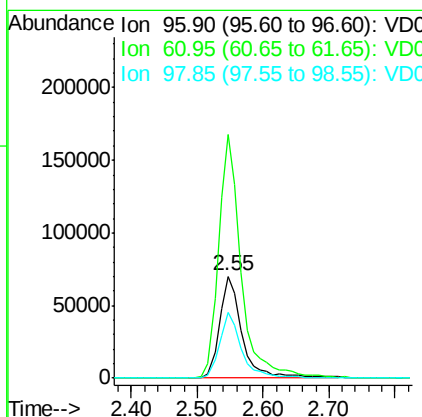
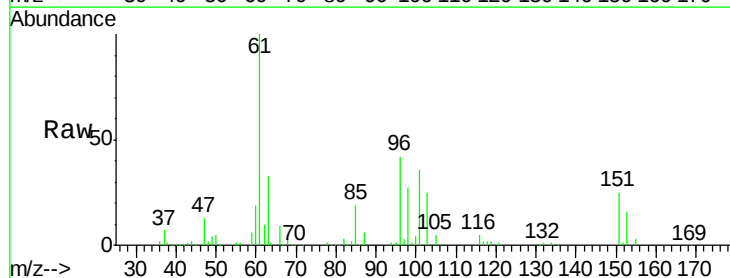
Tot Ion: 59 Resp: 84486
 Ion Ratio Lower Upper
 59 100
 57 8.3 8.3 12.5

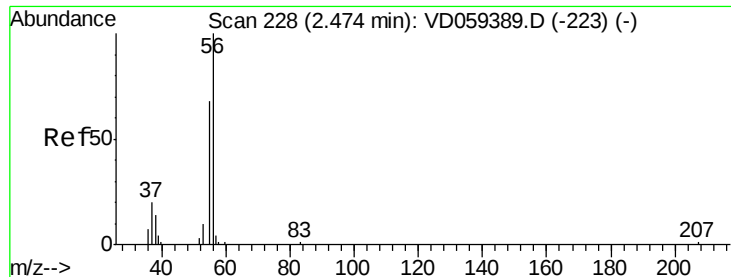


#12

1,1-Dichloroethene
 Concen: 48.726 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion: 96 Resp: 165682
 Ion Ratio Lower Upper
 96 100
 61 239.0 205.4 308.0
 98 63.9 51.0 76.4





#13

Acrolein

Concen: 238.643 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

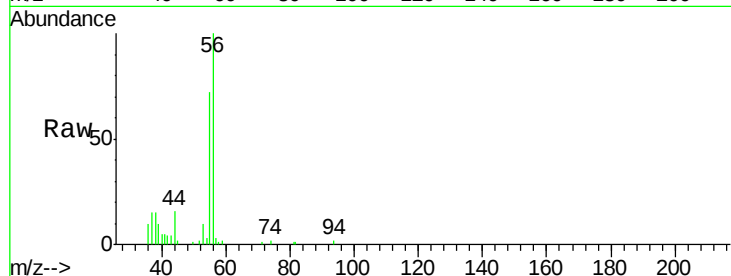
ClientSampleId :

Tot Ion: 56 Resp: 77888

Ion Ratio Lower Upper

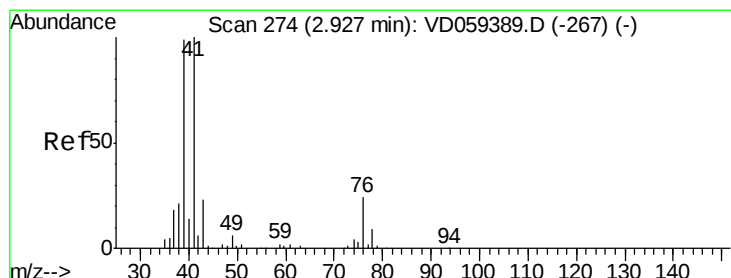
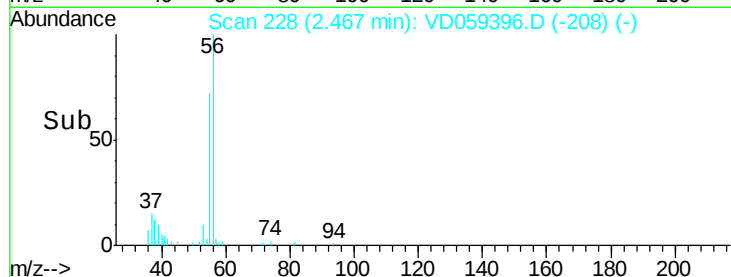
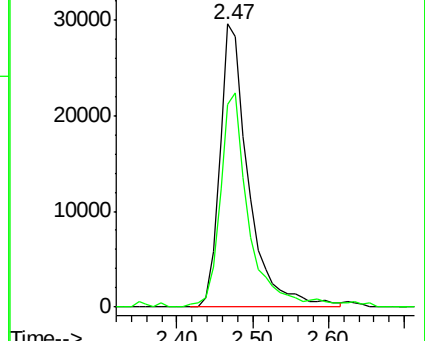
56 100

55 71.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.213 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

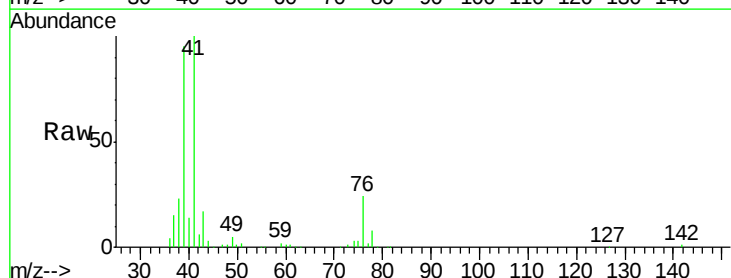
Tgt Ion: 41 Resp: 383027

Ion Ratio Lower Upper

41 100

39 94.6 79.1 118.7

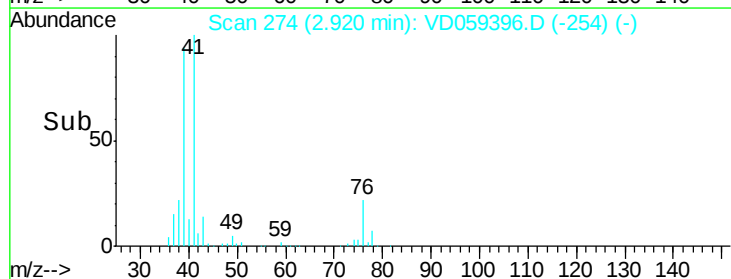
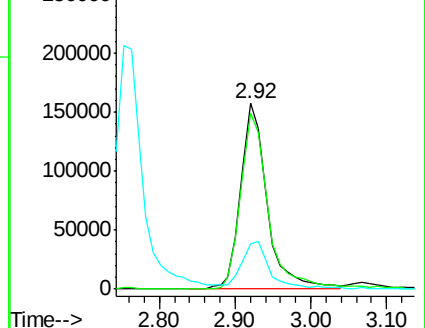
76 24.0 21.9 32.9

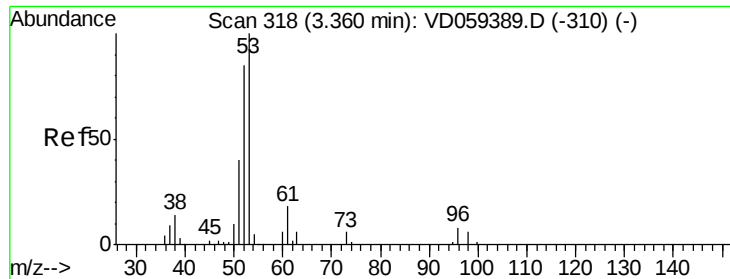


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 275.226 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

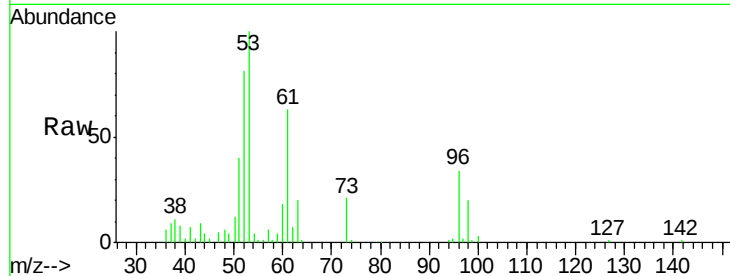
Tot Ion: 53 Resp: 308384

Ion Ratio Lower Upper

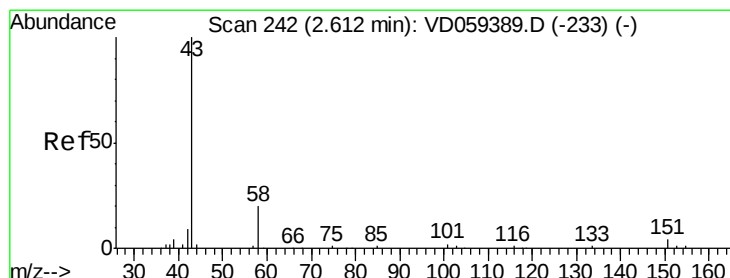
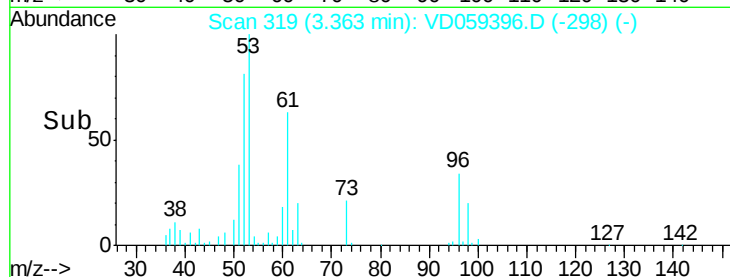
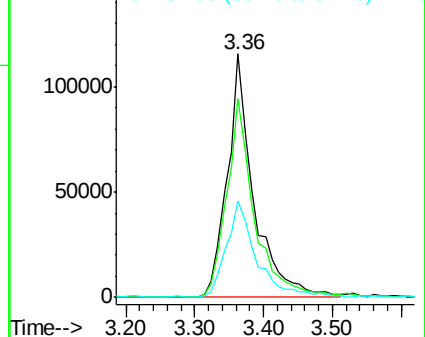
53 100

52 81.4 67.9 101.9

51 39.7 32.2 48.4



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



#16

Acetone

Concen: 277.967 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD059396.D

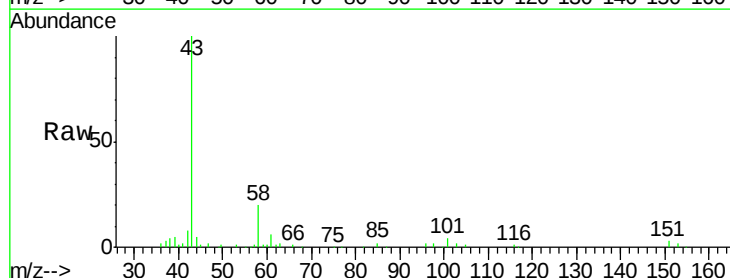
Acq: 25 Jun 2018 12:50

Tgt Ion: 43 Resp: 370225

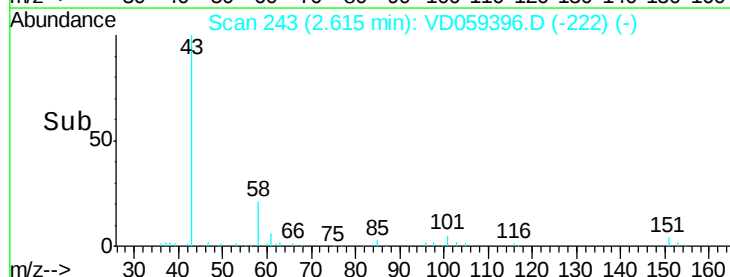
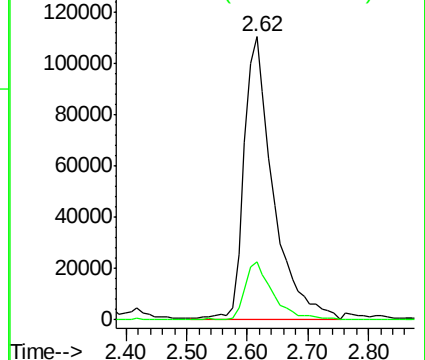
Ion Ratio Lower Upper

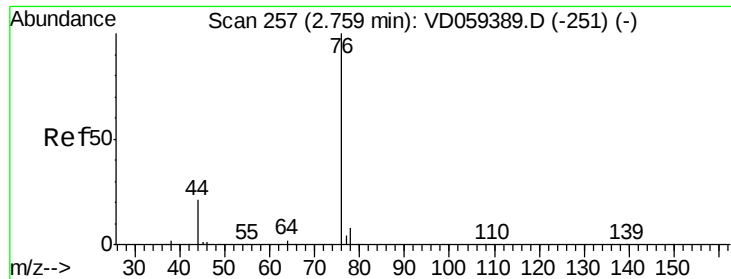
43 100

58 20.3 16.8 25.2



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

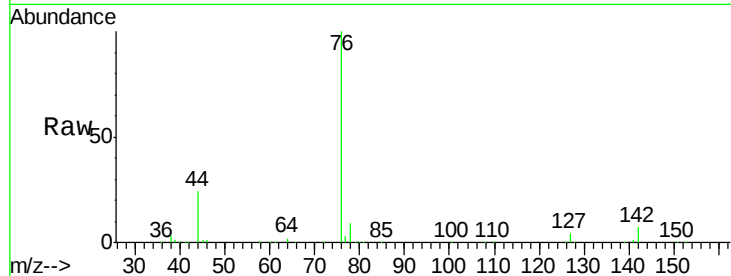




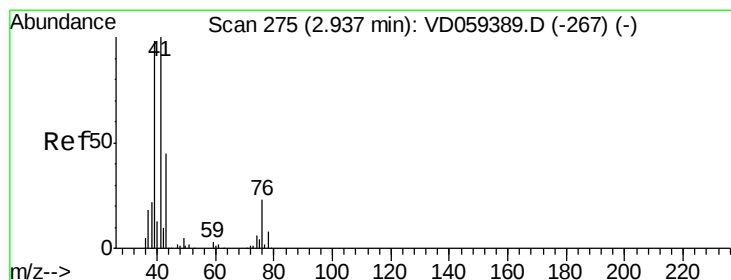
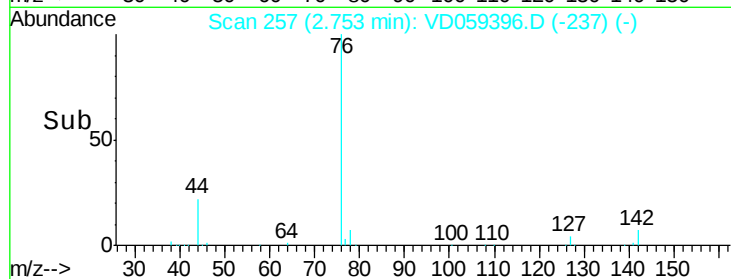
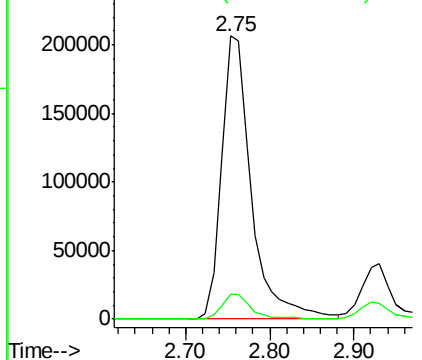
#17
Carbon Disulfide
Concen: 48.761 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 507803
Ion Ratio Lower Upper
76 100
78 8.8 6.6 9.8

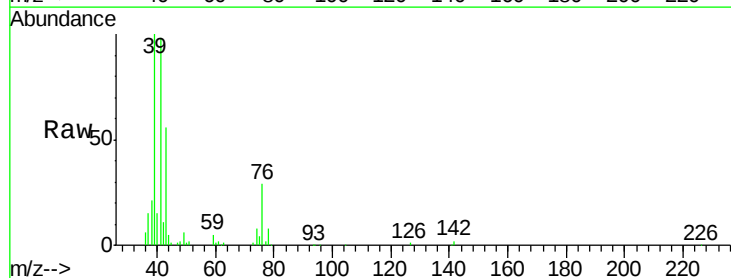


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

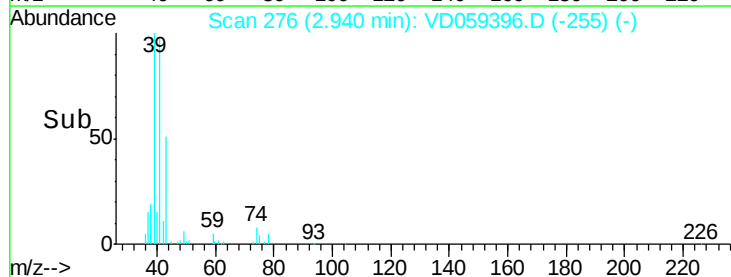
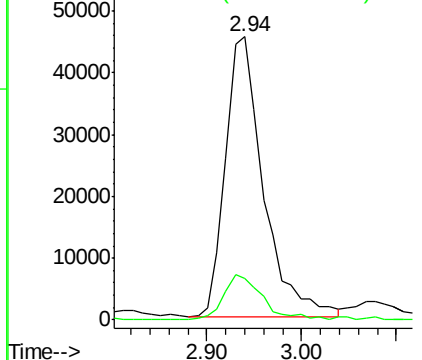


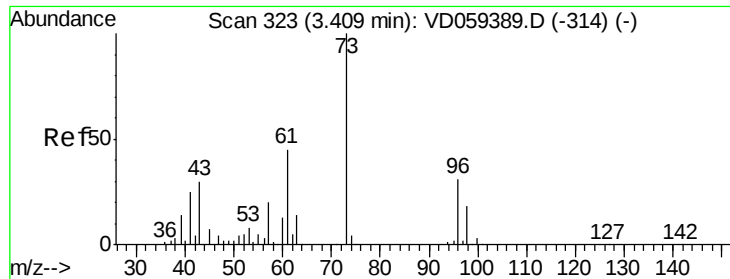
#18
Methyl Acetate
Concen: 44.335 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.00 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion: 43 Resp: 125824
Ion Ratio Lower Upper
43 100
74 14.7 11.0 16.4



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

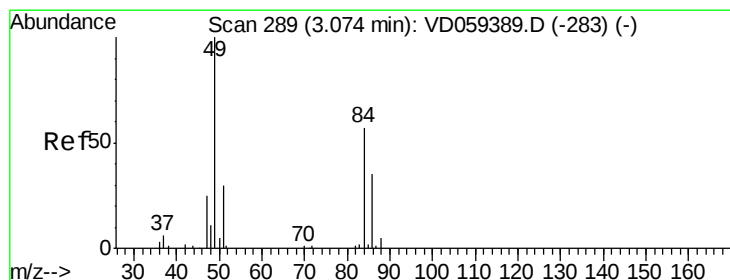
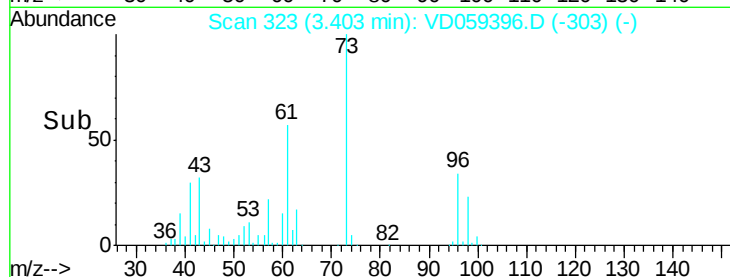
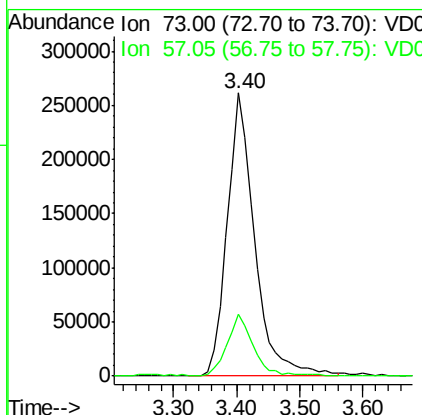
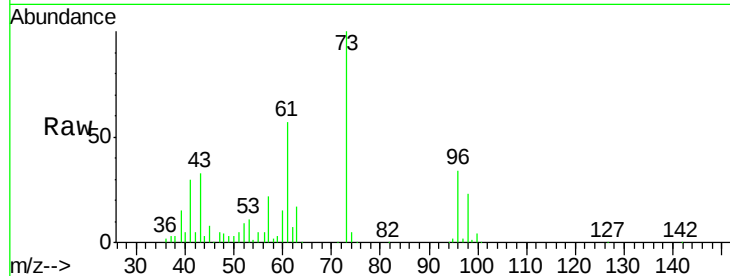




#19
Methvl tert-butvl Ether
Concen: 47.061 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

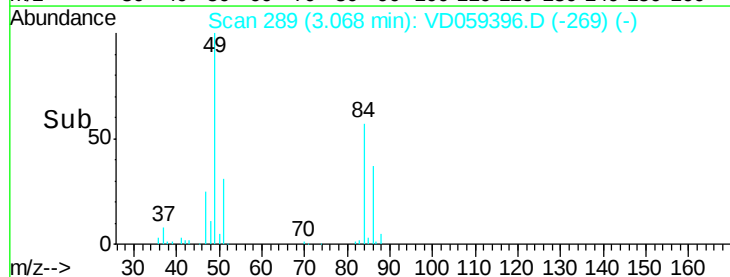
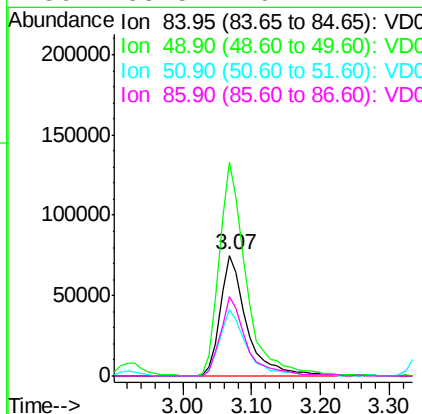
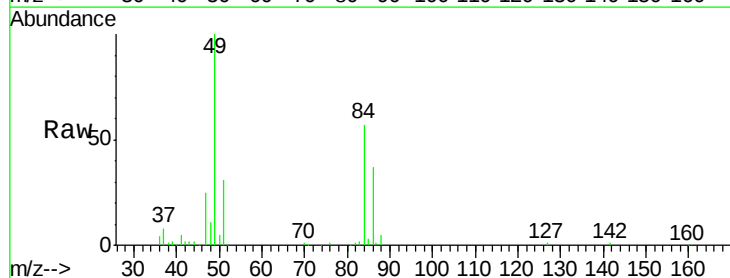
Instrument :
MSVOA_D
ClientSampleId :

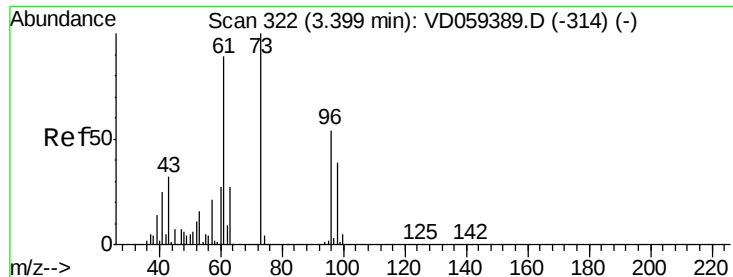
Tot Ion: 73 Resp: 787653
Ion Ratio Lower Upper
73 100
57 21.8 16.1 24.1



#20
Methylene Chloride
Concen: 54.474 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion: 84 Resp: 200389
Ion Ratio Lower Upper
84 100
49 176.6 140.3 210.5
51 54.9 41.6 62.4
86 65.5 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 59.667 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.02 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

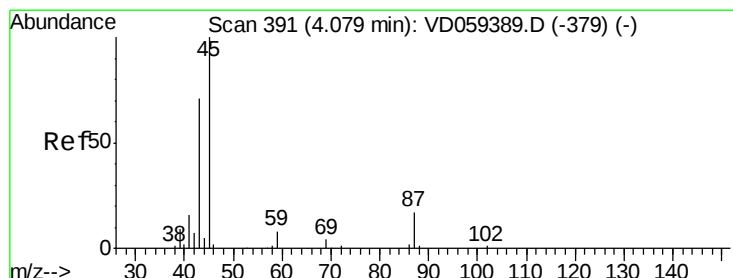
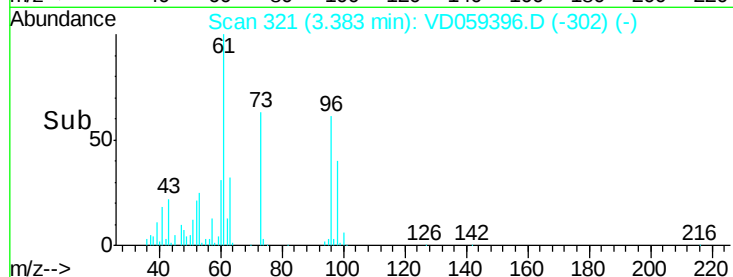
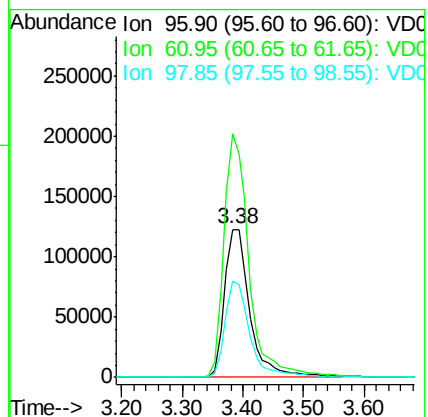
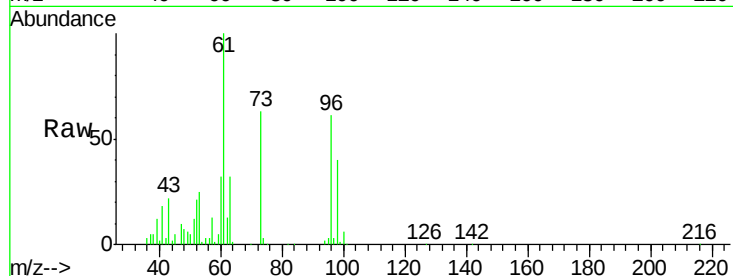
Tot Ion: 96 Resp: 358722

Ion Ratio Lower Upper

96 100

61 164.5 131.0 196.4

98 65.4 56.8 85.2



#22

Diisopropyl ether

Concen: 44.131 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Tgt Ion: 45 Resp: 1292311

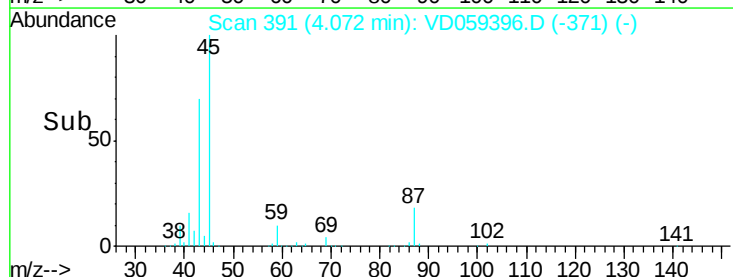
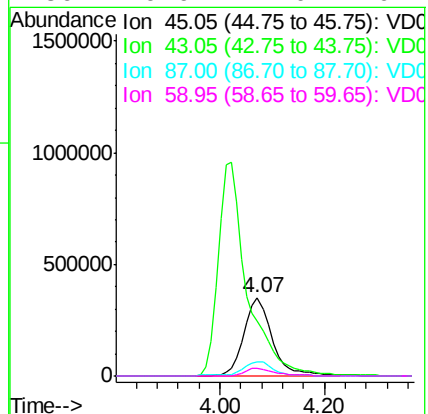
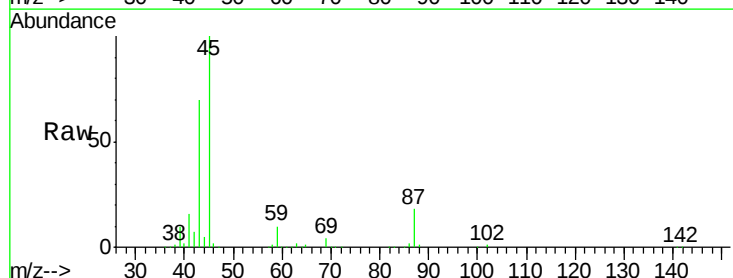
Ion Ratio Lower Upper

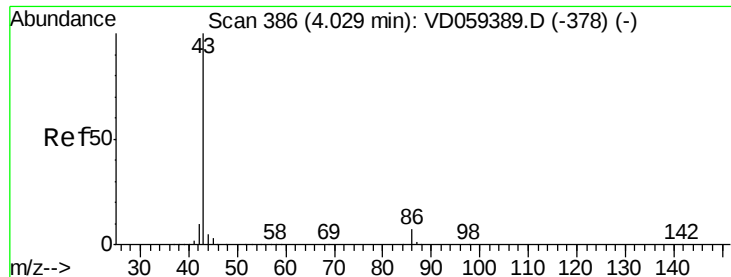
45 100

43 70.3 56.9 85.3

87 17.9 14.2 21.4

59 9.9 7.0 10.4





#23

Vinyl Acetate

Concen: 238.421 ug/l

RT: 4.02 min Scan# 386

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

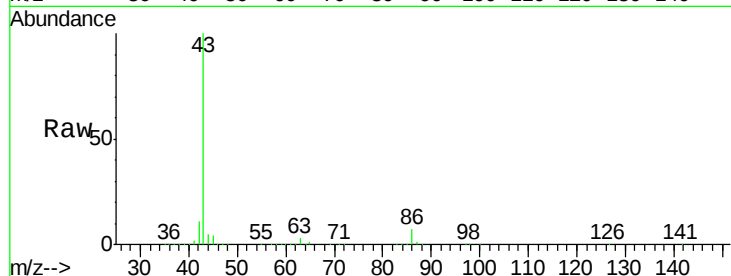
ClientSampled :

Tot Ion: 43 Resp: 3637654

Ion Ratio Lower Upper

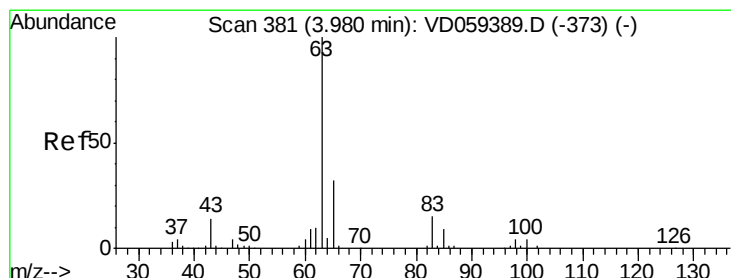
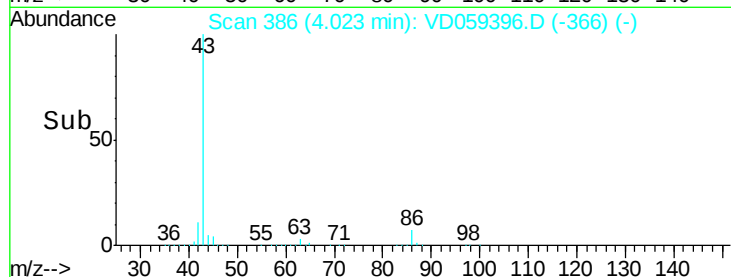
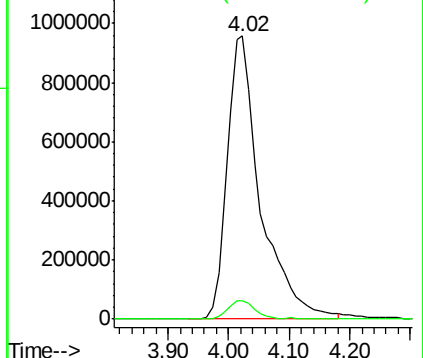
43 100

86 6.6 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: 45.566 ug/l

RT: 3.97 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

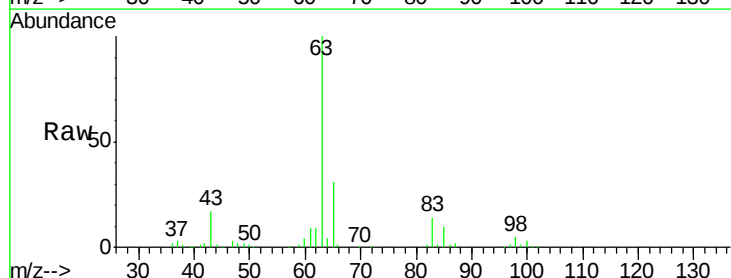
Tgt Ion: 63 Resp: 763529

Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.5

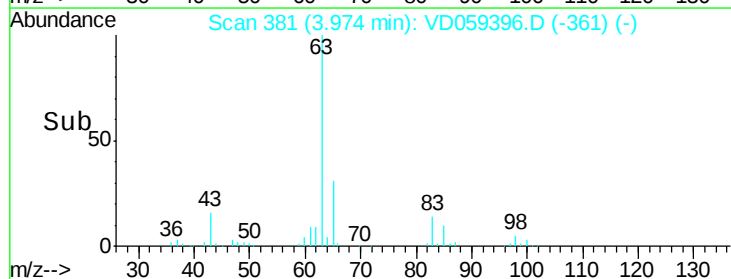
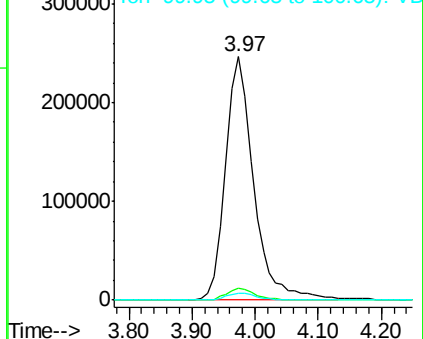
100 2.7 1.8 5.5

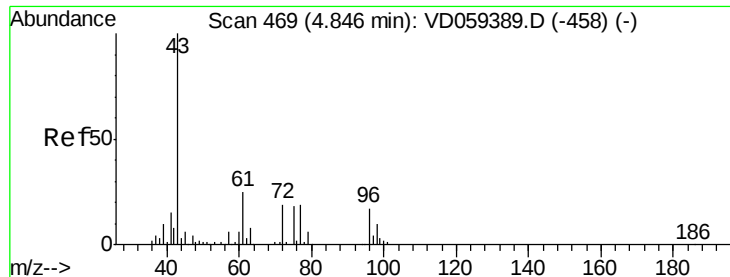


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 218.380 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

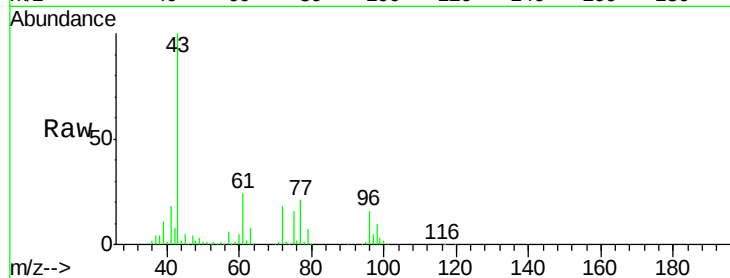
ClientSampleId :

Tot Ion: 43 Resp: 609297

Ion Ratio Lower Upper

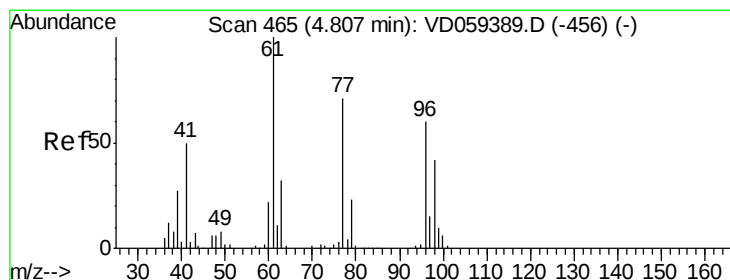
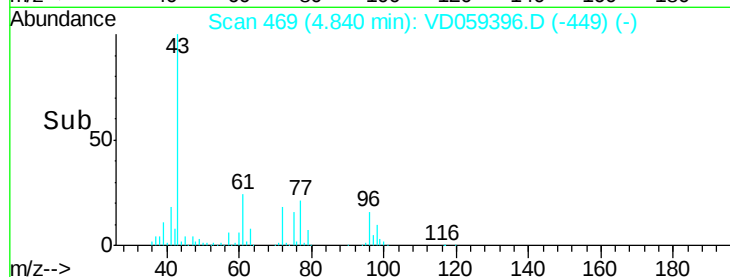
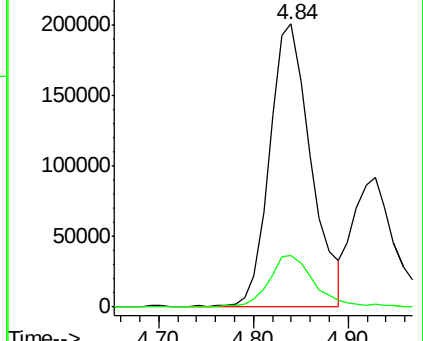
43 100

72 18.1 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: 52.968 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD059396.D

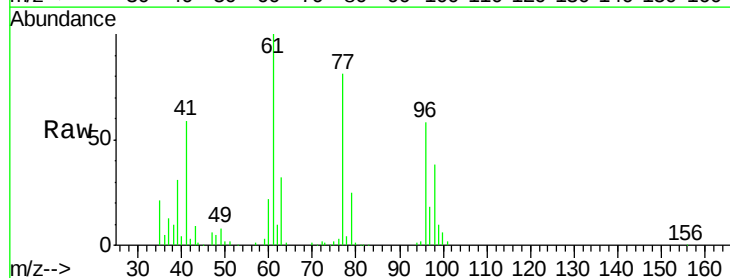
Acq: 25 Jun 2018 12:50

Tgt Ion: 77 Resp: 688293

Ion Ratio Lower Upper

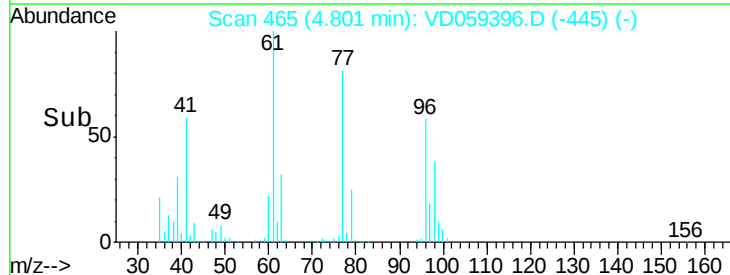
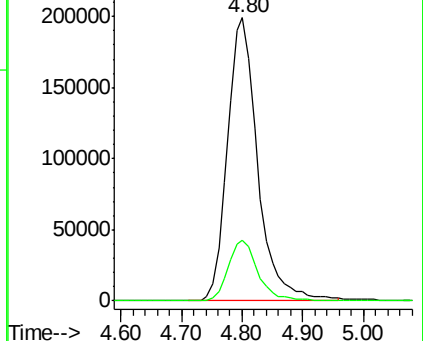
77 100

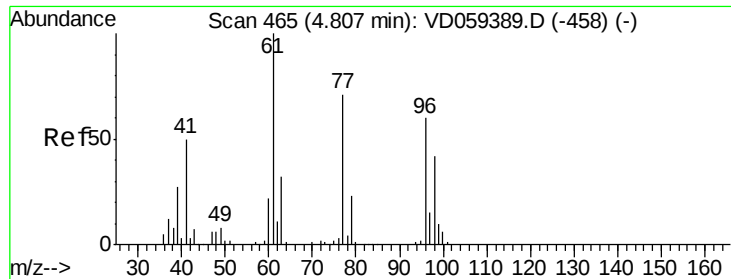
97 21.6 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



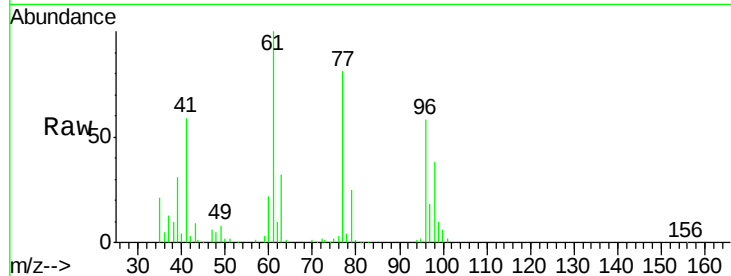


#27

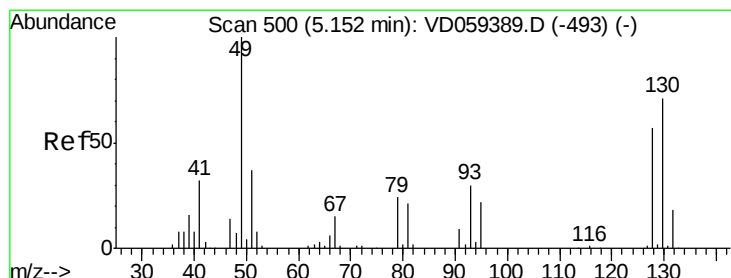
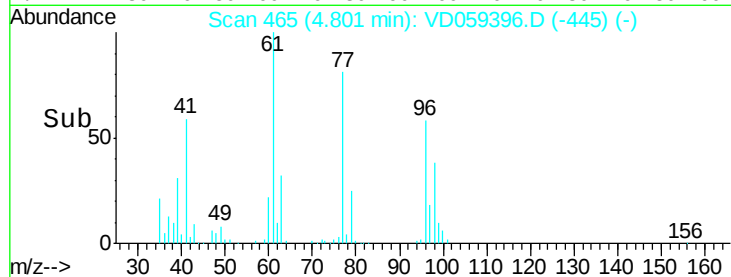
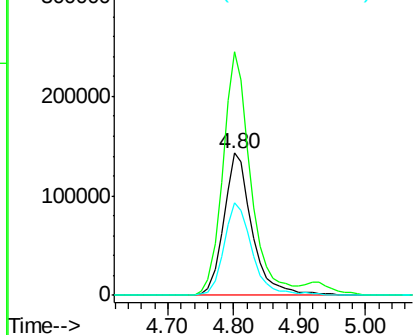
cis-1,2-Dichloroethene
 Concen: 42.546 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	429842
Ion	Ratio	Lower	Upper
96	100		
61	171.6	0.0	335.8
98	65.5	0.0	141.0



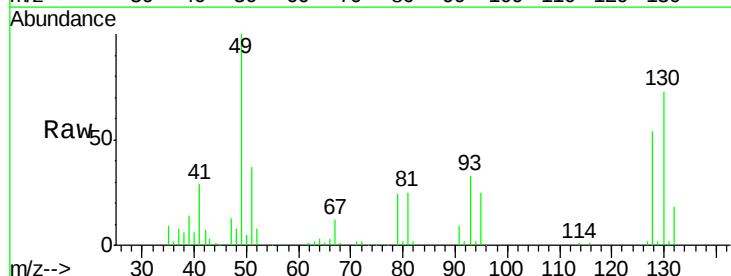
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



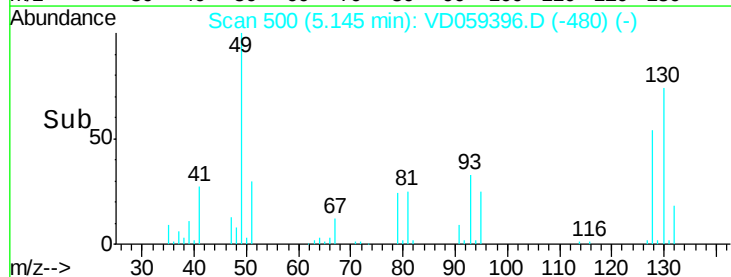
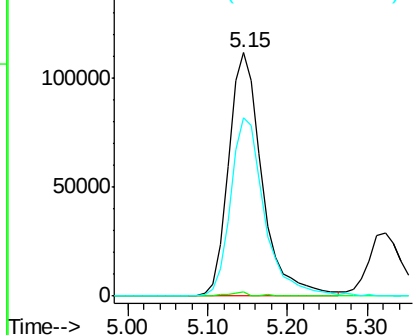
#28

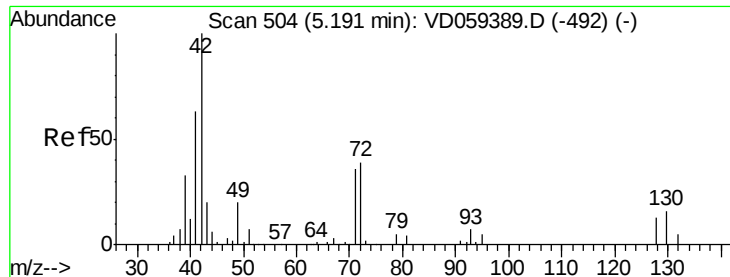
Bromochloromethane
 Concen: 45.080 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion	49	Resp	327483
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	73.4	57.0	85.6



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





#29

Tetrahydrofuran

Concen: 201.213 ug/l

RT: 5.18 min Scan# 504

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

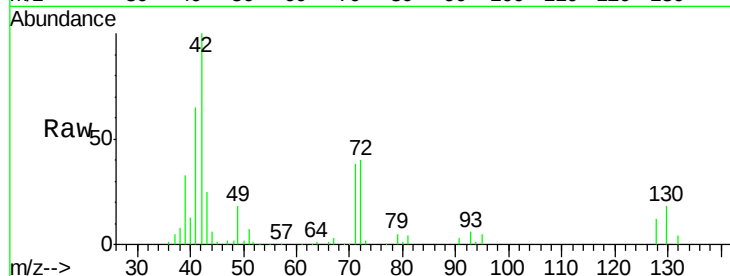
Tot Ion: 42 Resp: 307078

Ion Ratio Lower Upper

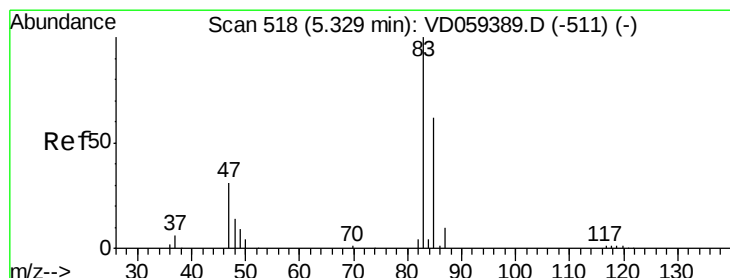
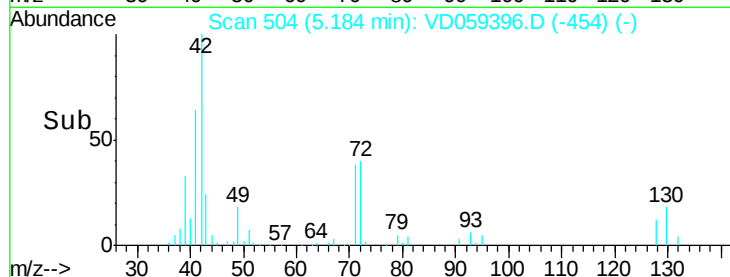
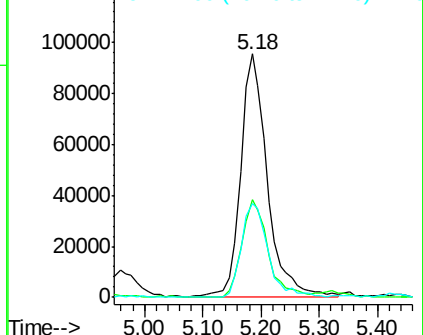
42 100

72 39.2 31.4 47.2

71 38.5 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 44.113 ug/l

RT: 5.32 min Scan# 518

Delta R.T. -0.01 min

Lab File: VD059396.D

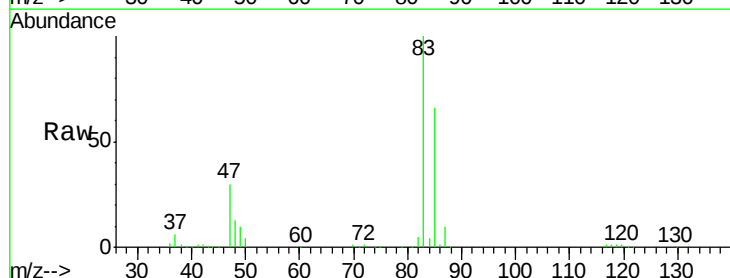
Acq: 25 Jun 2018 12:50

Tgt Ion: 83 Resp: 805668

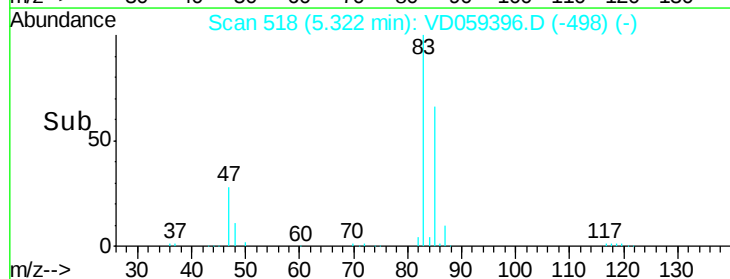
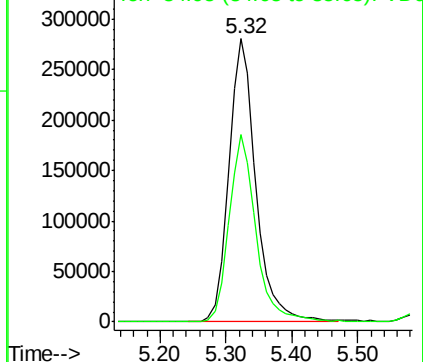
Ion Ratio Lower Upper

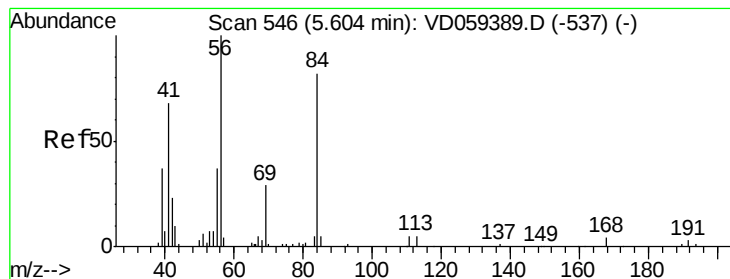
83 100

85 66.2 49.3 73.9



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 50.070 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.02 min

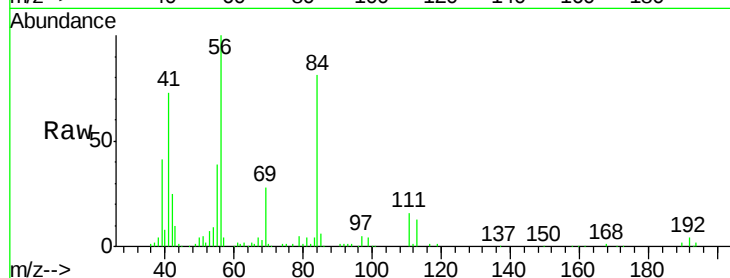
Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 553571

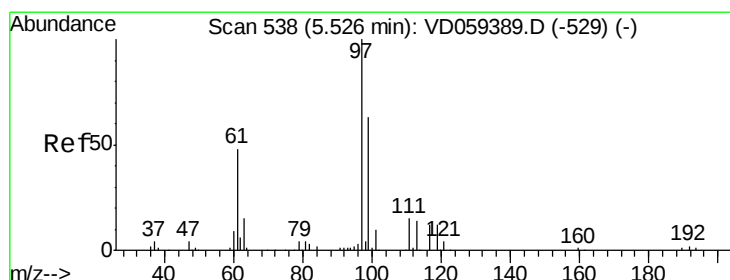
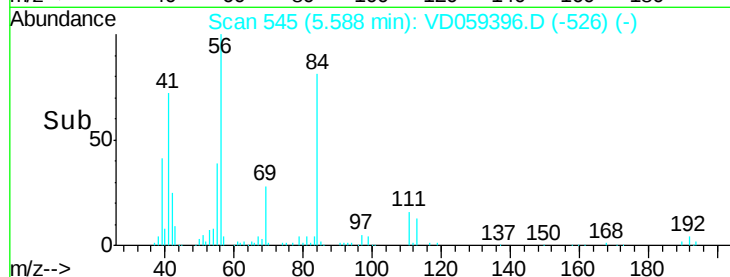
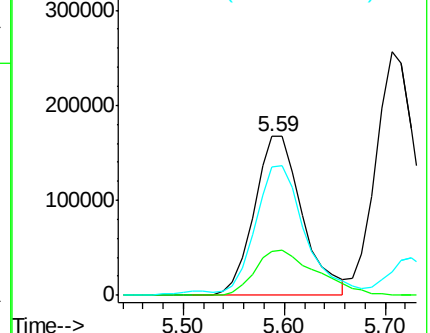
Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.9	34.3
84	80.9	67.3	100.9



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: 50.010 ug/l

RT: 5.51 min Scan# 537

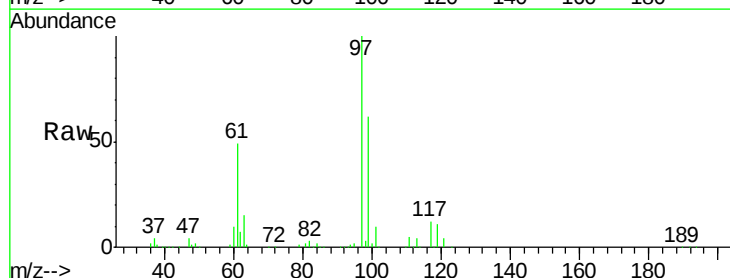
Delta R.T. -0.02 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Tgt Ion: 97 Resp: 739611

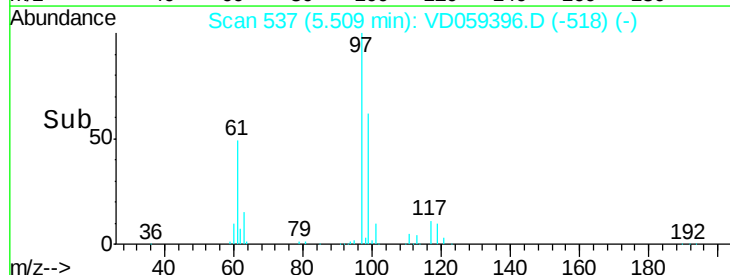
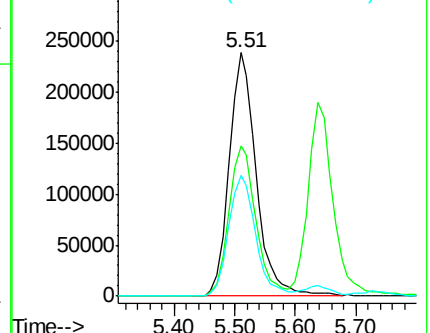
Ion	Ratio	Lower	Upper
97	100		
99	61.9	50.2	75.4
61	49.5	38.6	57.8

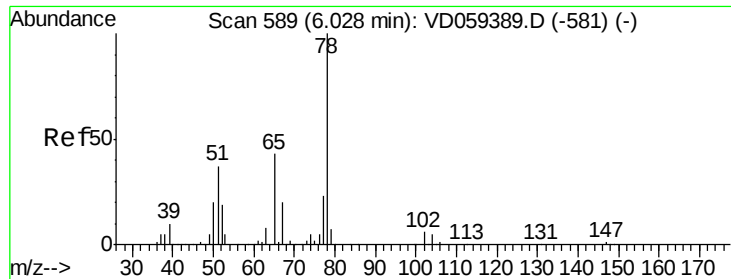


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

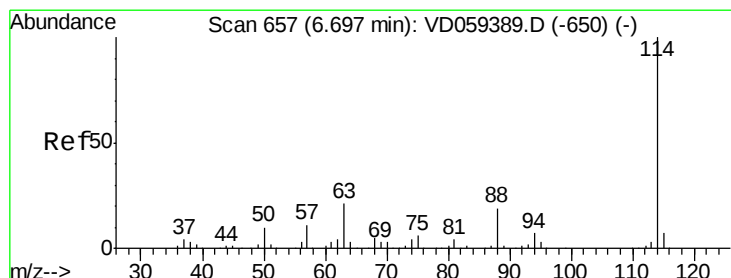
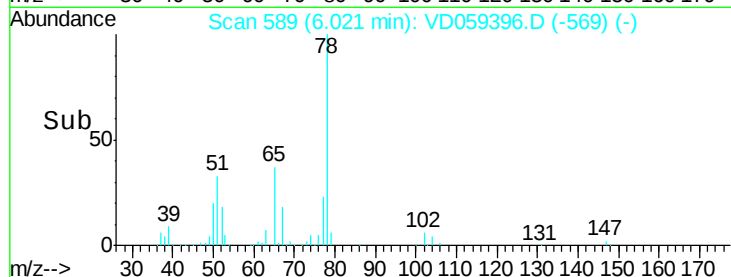
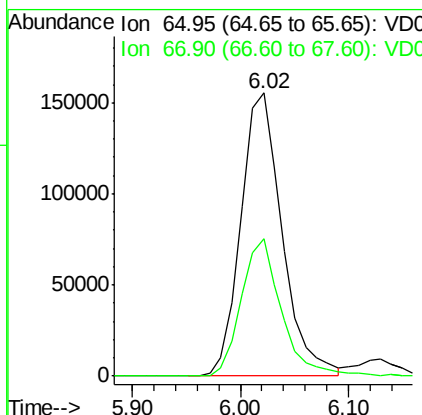
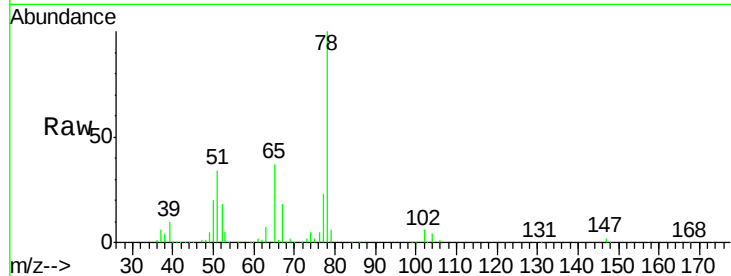




#33
 1,2-Dichloroethane-d4
 Concen: 50.010 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

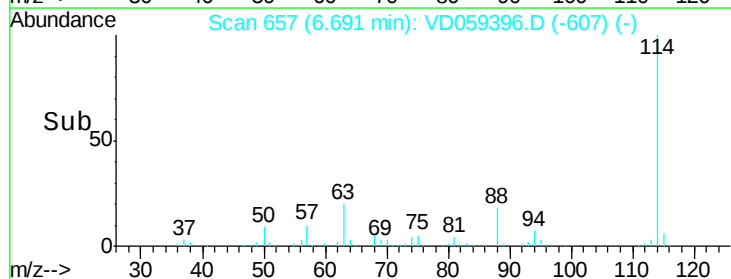
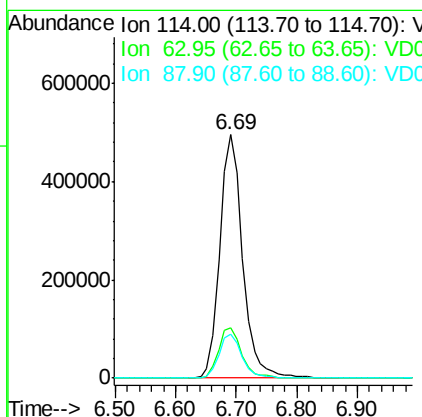
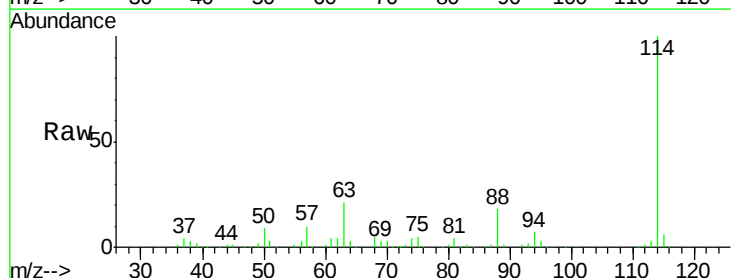
Instrument :
 MSVOA_D
 ClientSampleId :

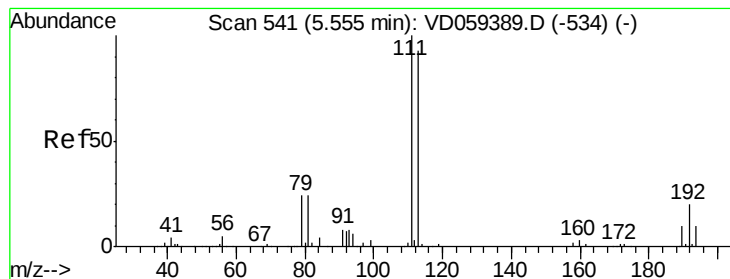
Tot Ion: 65 Resp: 413267
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion: 114 Resp: 1296096
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.4
 88 17.8 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :
MSVOA_D
ClientSampleId :

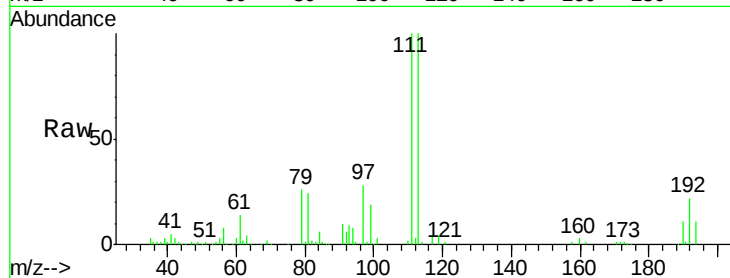
Tot Ion:113 Resp: 460650

Ion Ratio Lower Upper

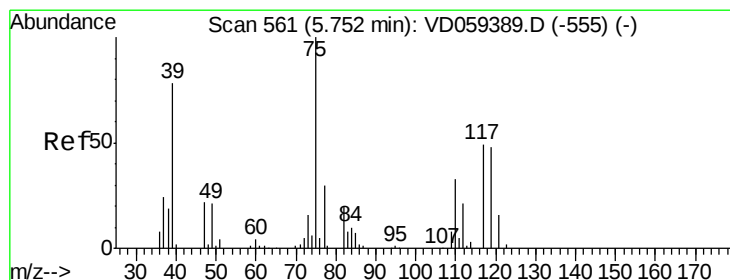
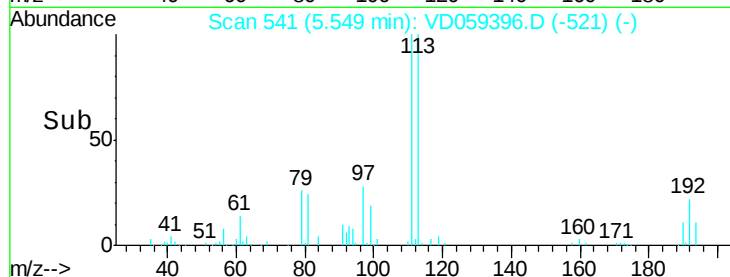
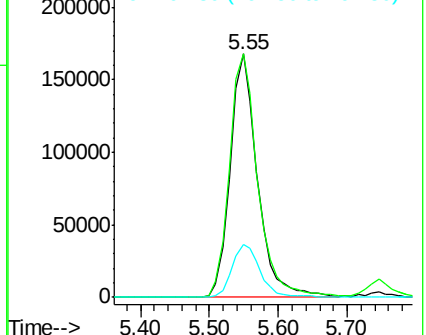
113 100

111 99.8 85.7 128.5

192 21.6 16.9 25.3



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



#36

1,1-Dichloropropene

Concen: 45.712 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

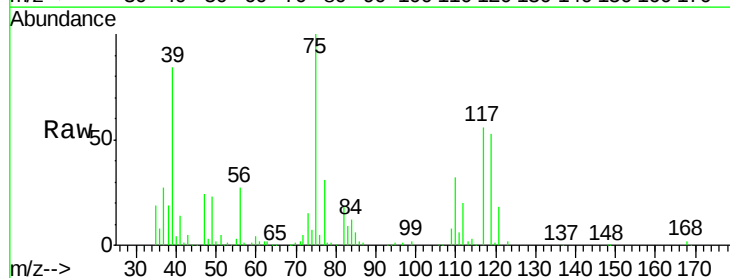
Tgt Ion: 75 Resp: 537450

Ion Ratio Lower Upper

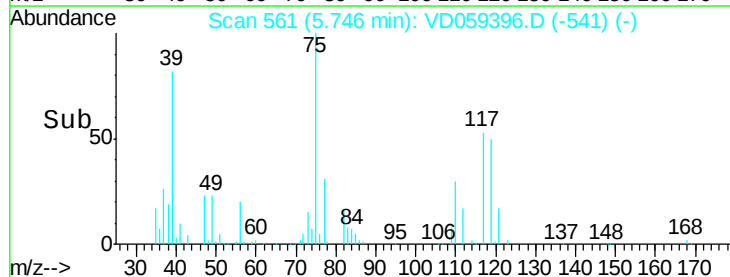
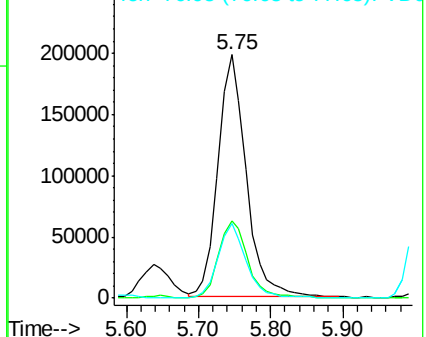
75 100

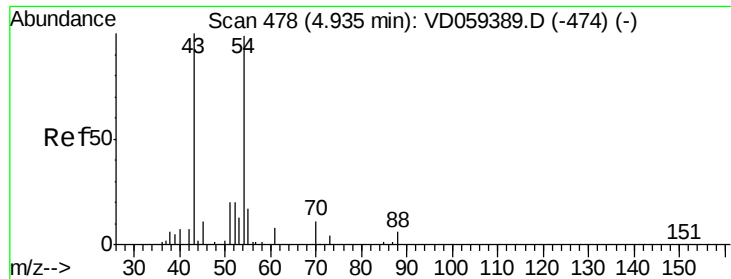
110 31.6 16.1 48.2

77 30.9 23.4 35.2



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

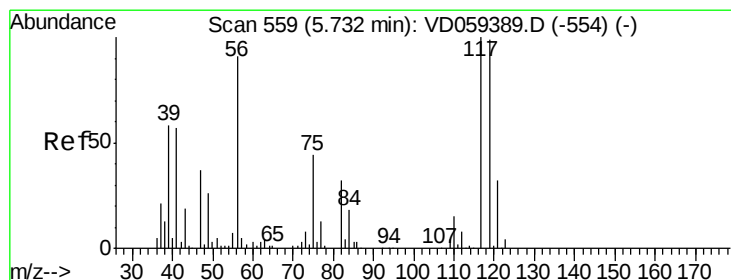
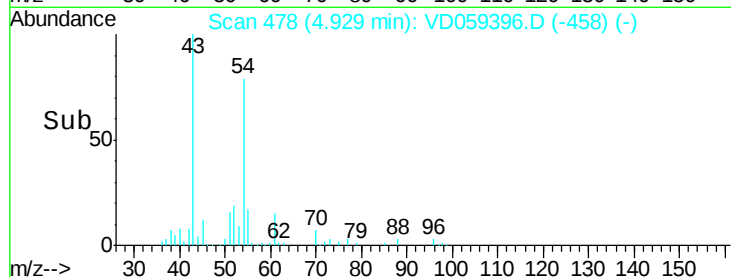
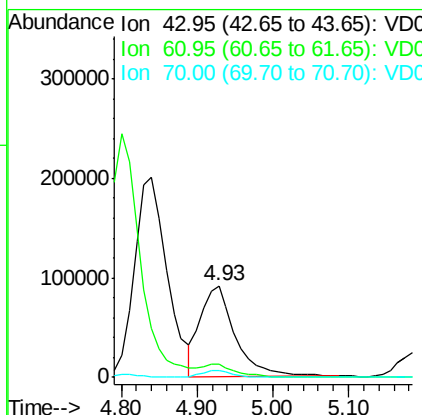
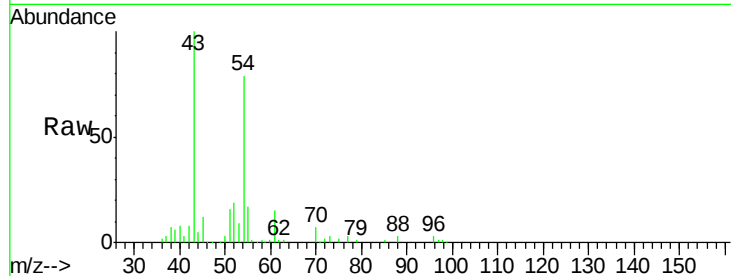




#37
Ethyl Acetate
Concen: 40.490 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

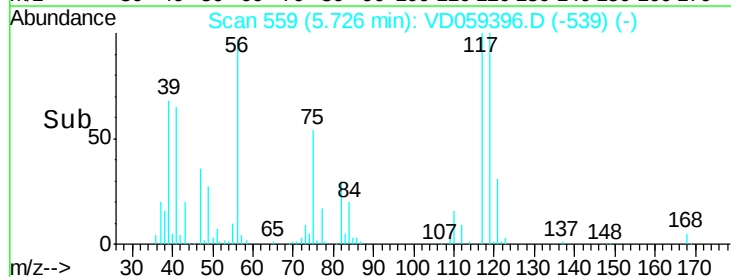
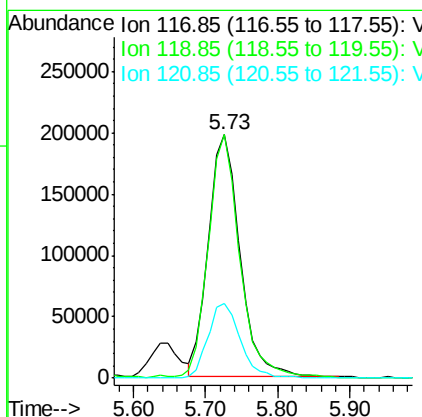
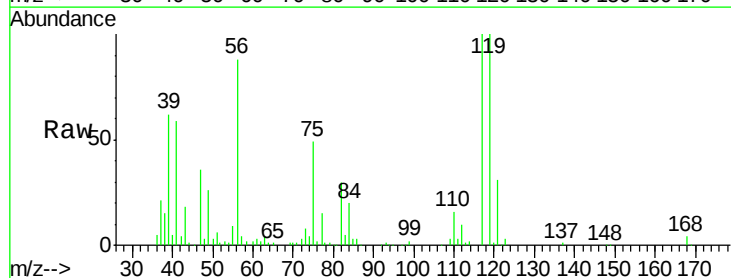
Instrument :
MSVOA_D
ClientSampleId :

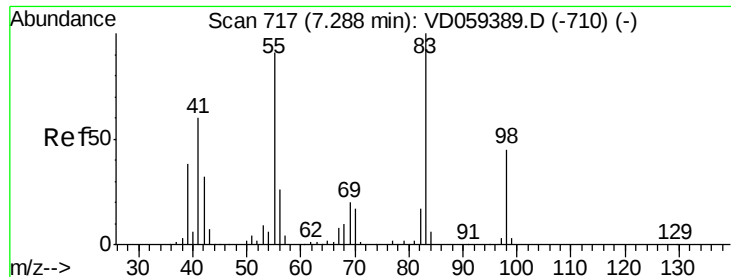
Tot Ion: 43 Resp: 289915
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.8
70 7.3 6.1 9.1



#38
Carbon Tetrachloride
Concen: 49.408 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion: 117 Resp: 598924
Ion Ratio Lower Upper
117 100
119 99.8 76.6 115.0
121 30.7 25.0 37.4

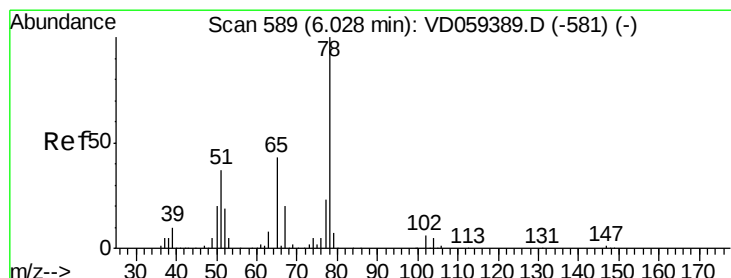
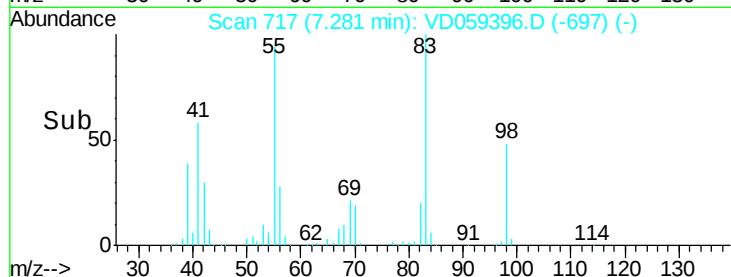
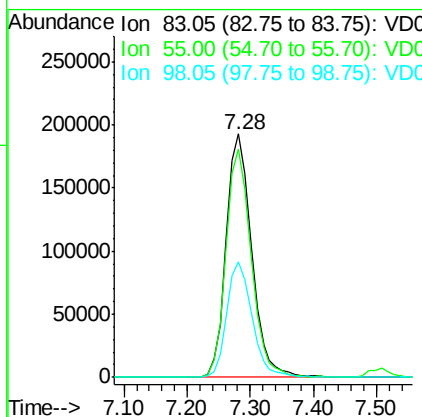
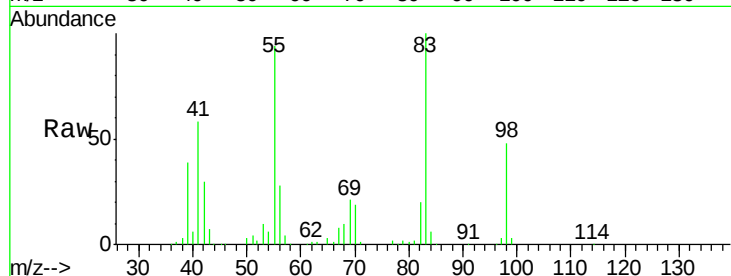




#39
Methvlcvclohexane
Concen: 48.430 ug/l
RT: 7.28 min Scan# 717
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

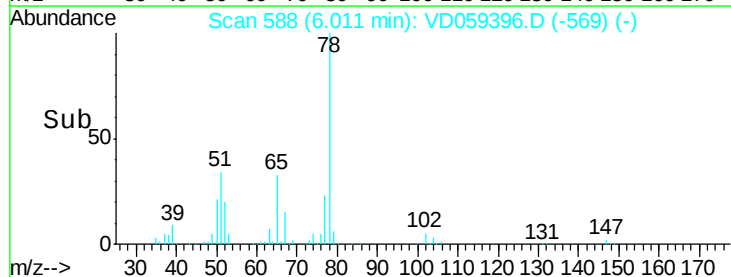
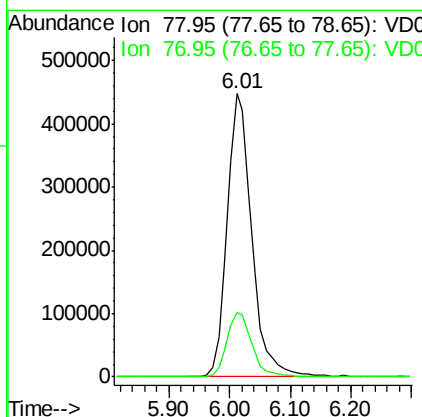
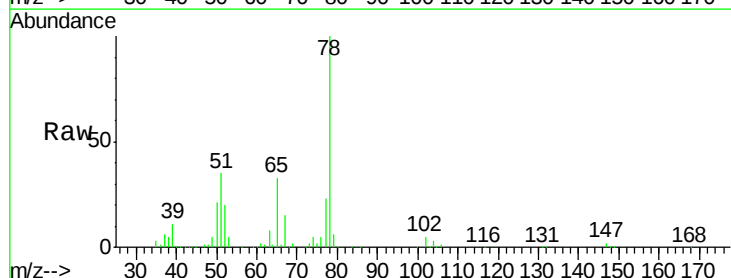
Instrument :
MSVOA_D
ClientSampleId :

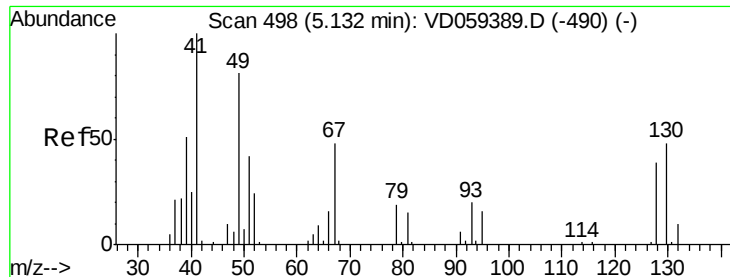
Tot Ion: 83 Resp: 540060
Ion Ratio Lower Upper
83 100
55 93.5 72.6 109.0
98 47.6 35.8 53.6



#40
Benzene
Concen: 44.670 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.02 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion: 78 Resp: 1260354
Ion Ratio Lower Upper
78 100
77 23.0 18.1 27.1





#41

Methacrylonitrile

Concen: 45.212 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 155925

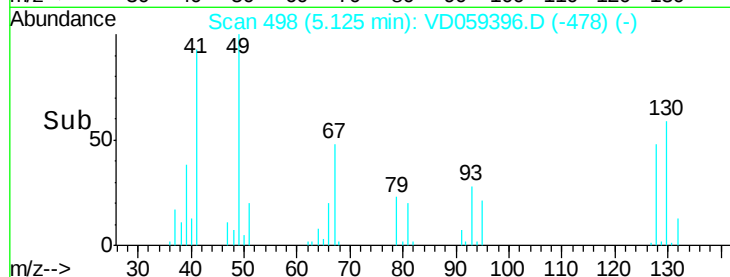
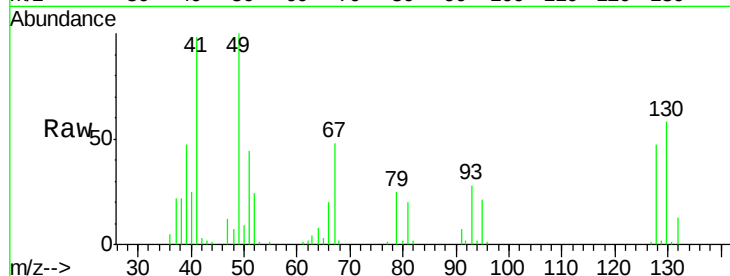
Ion Ratio Lower Upper

41 100

39 47.8 41.5 62.3

67 48.8 38.7 58.1

52 24.4 19.4 29.2

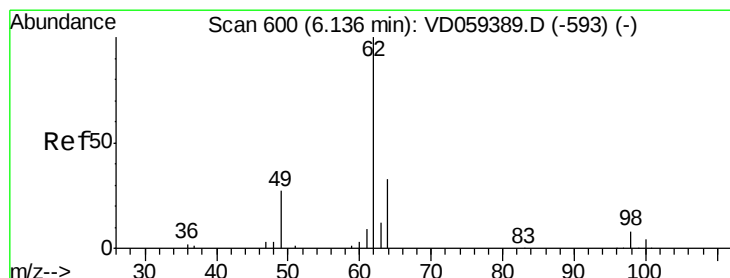
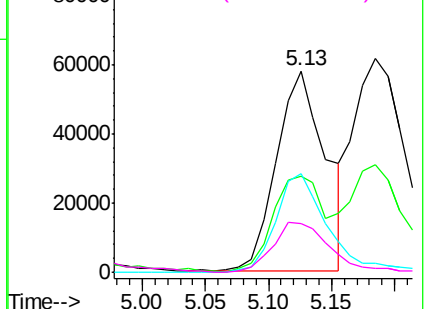


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 45.871 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD059396.D

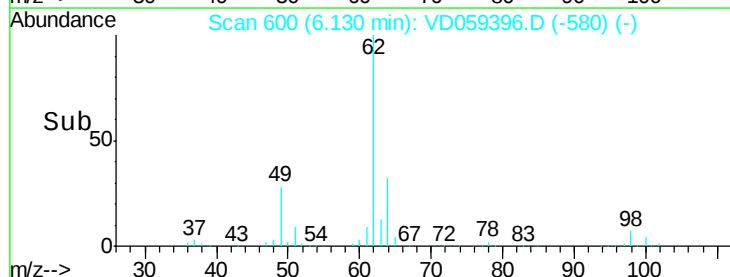
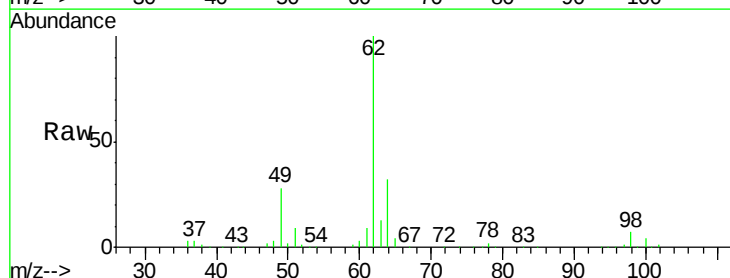
Acq: 25 Jun 2018 12:50

Tgt Ion: 62 Resp: 571859

Ion Ratio Lower Upper

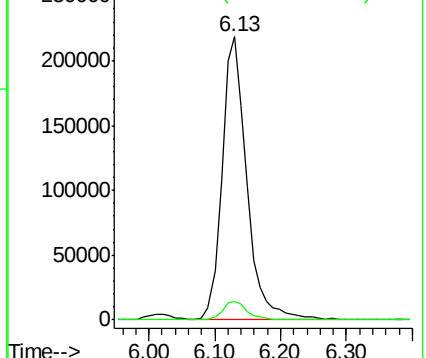
62 100

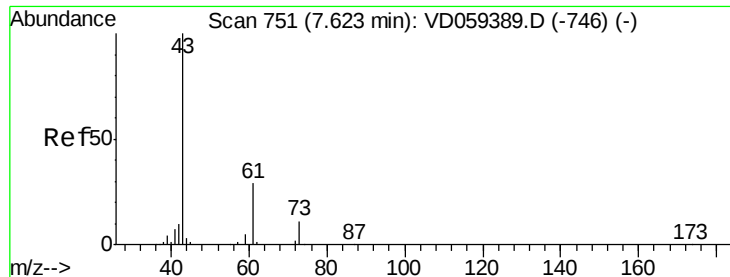
98 6.6 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 44.005 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampled :

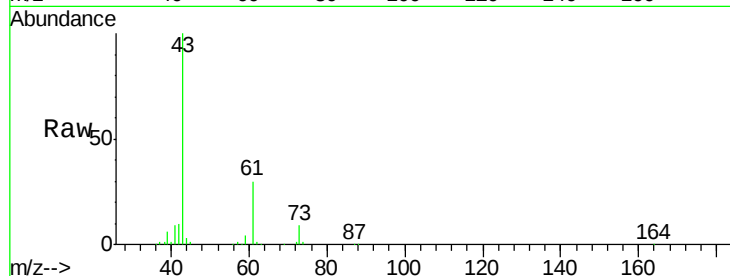
Tot Ion: 43 Resp: 395691

Ion Ratio Lower Upper

43 100

61 29.8 23.1 34.7

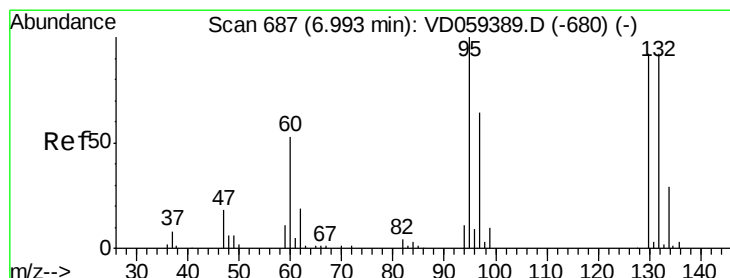
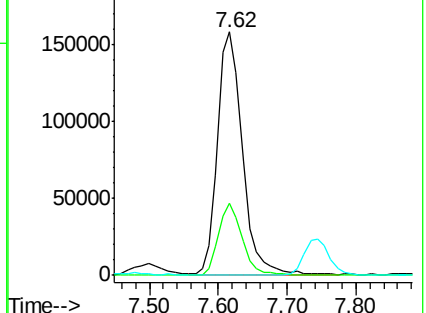
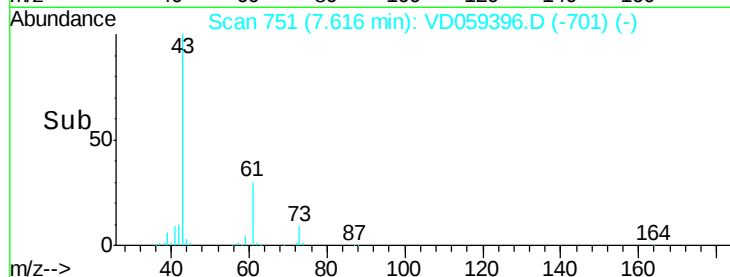
87 0.3 0.2 0.4



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: 46.535 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.02 min

Lab File: VD059396.D

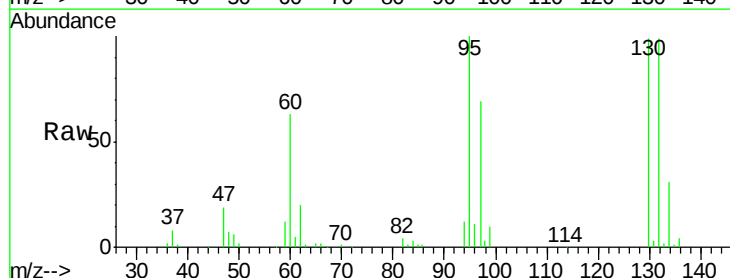
Acq: 25 Jun 2018 12:50

Tgt Ion:130 Resp: 429899

Ion Ratio Lower Upper

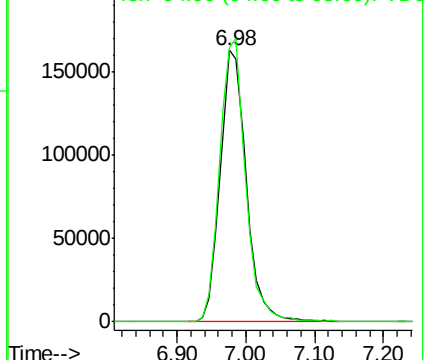
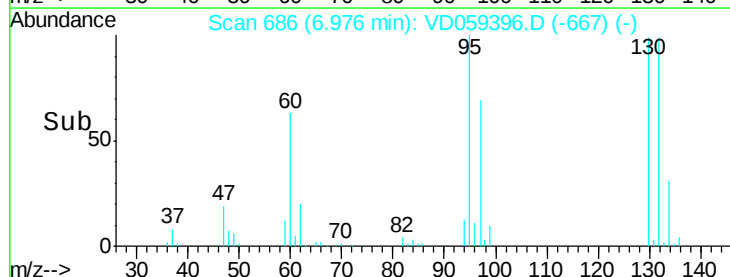
130 100

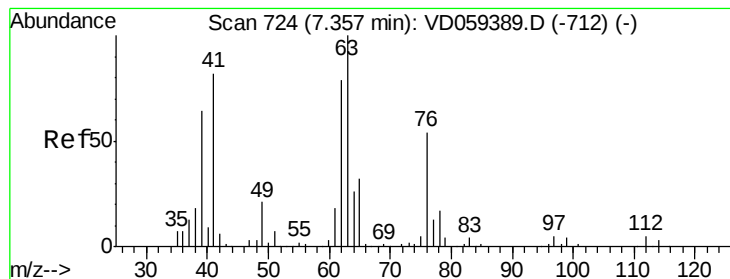
95 101.1 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 45.660 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

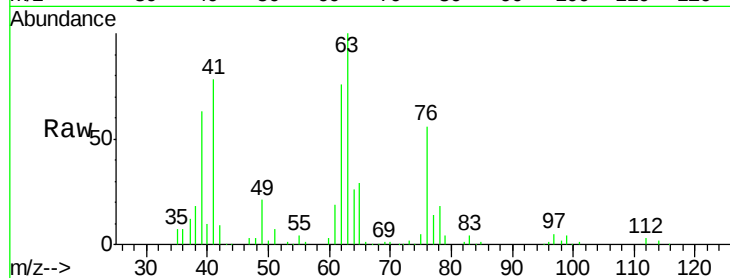
ClientSampleId :

Tot Ion: 63 Resp: 356816

Ion Ratio Lower Upper

63 100

65 29.4 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.35

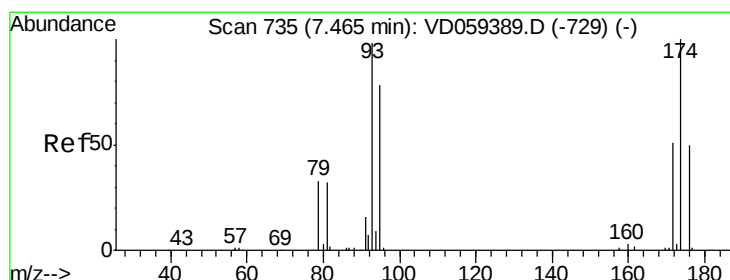
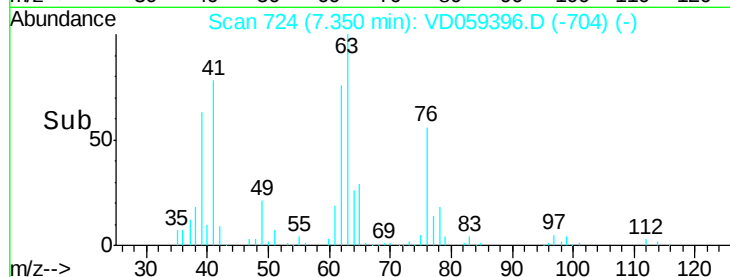
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 45.081 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

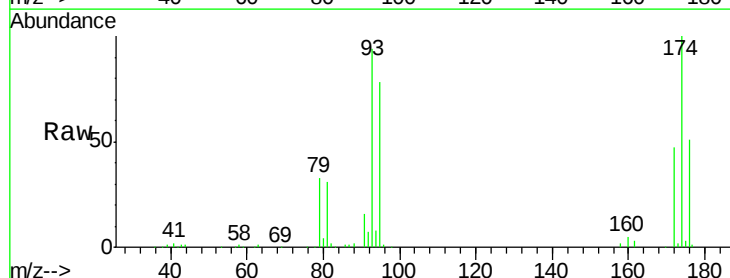
Tgt Ion: 93 Resp: 253354

Ion Ratio Lower Upper

93 100

95 83.1 63.4 95.0

174 106.7 81.4 122.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

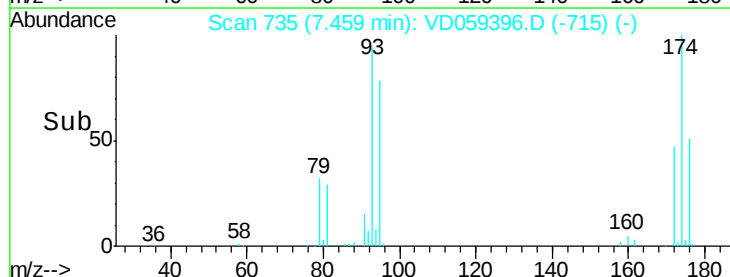
150000

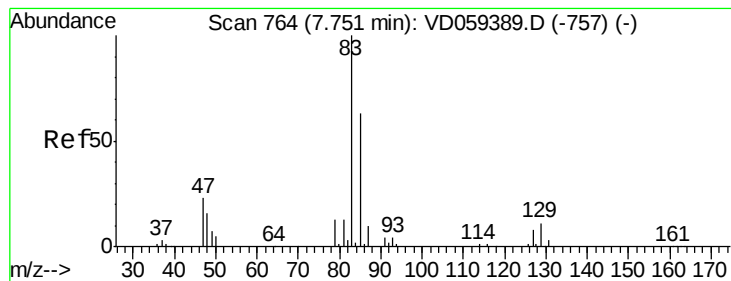
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 48.530 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

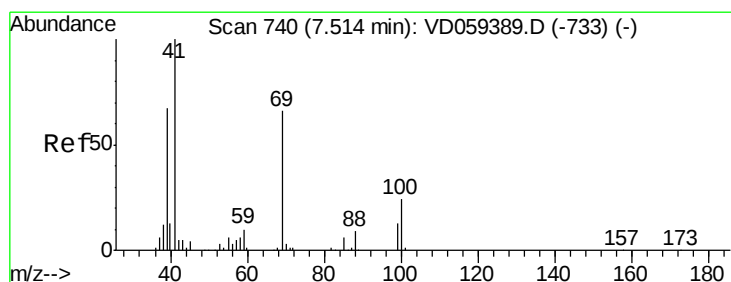
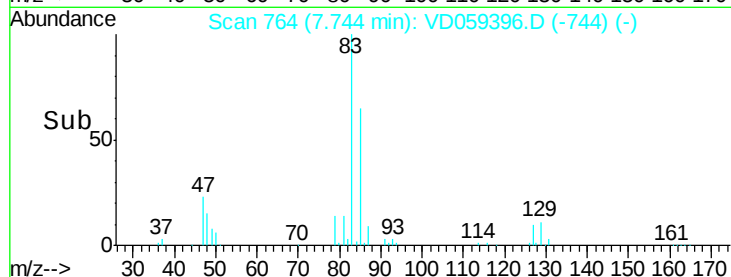
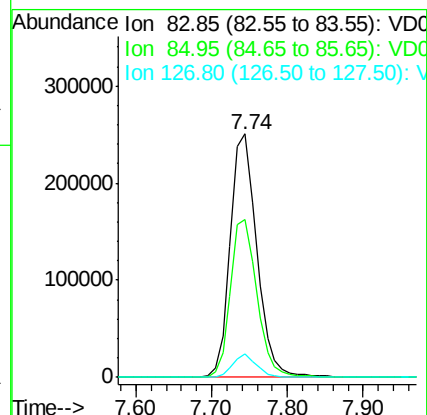
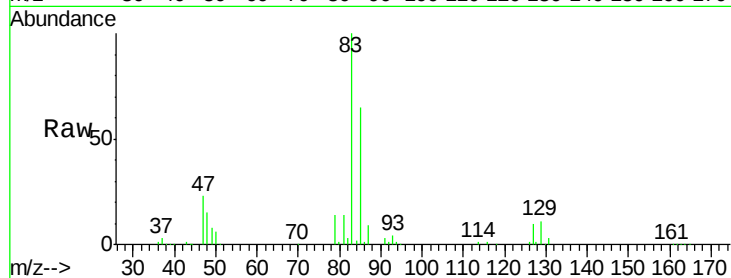
Tot Ion: 83 Resp: 610274

Ion Ratio Lower Upper

83 100

85 65.0 50.1 75.1

127 9.7 6.1 9.1#



#48

Methyl methacrylate

Concen: 45.195 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.02 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

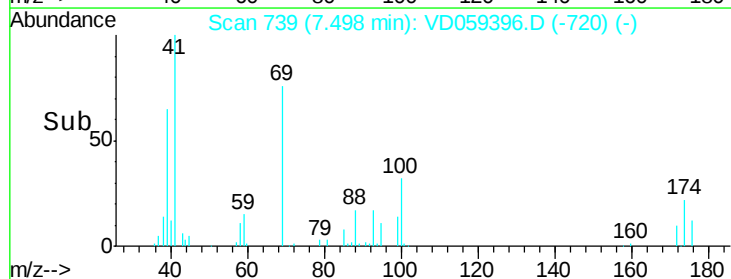
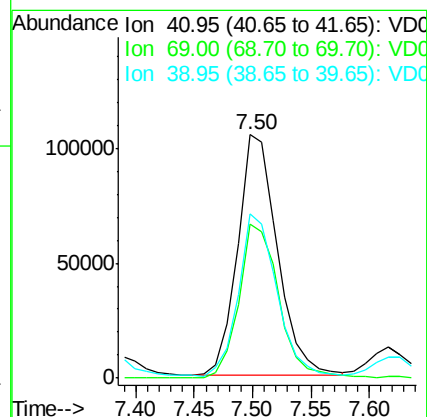
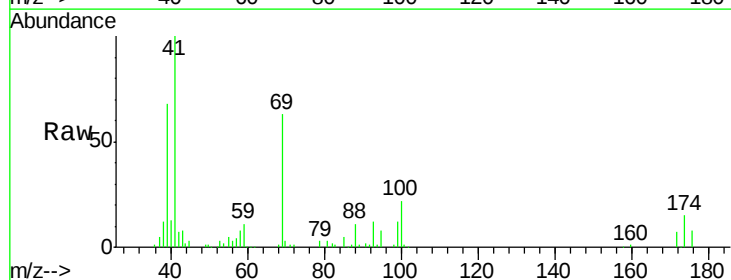
Tgt Ion: 41 Resp: 247589

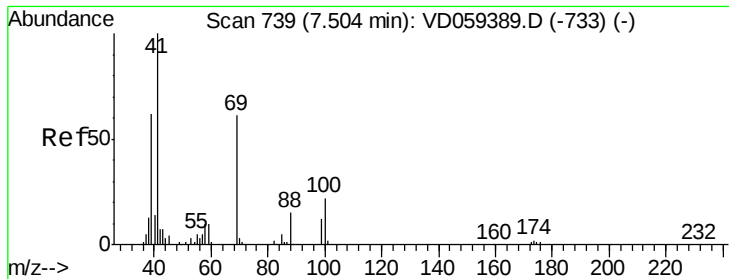
Ion Ratio Lower Upper

41 100

69 63.2 52.6 79.0

39 67.5 53.6 80.4





#49

1,4-Dioxane

Concen: 870.779 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.03 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :
MSVOA_D
ClientSampleId :

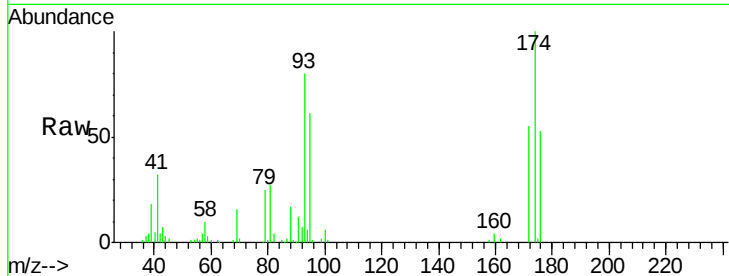
Tot Ion: 88 Resp: 47842

Ion Ratio Lower Upper

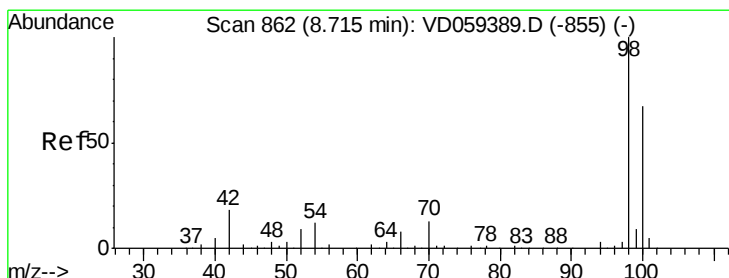
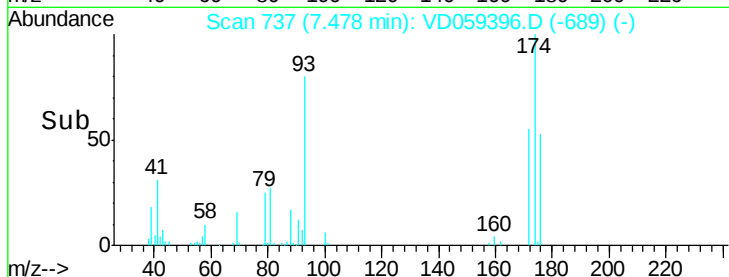
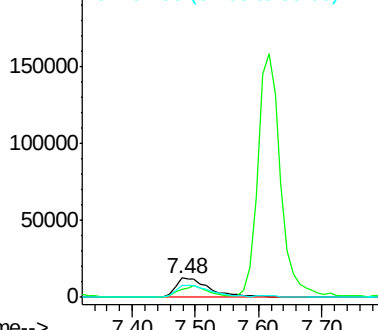
88 100

43 39.5 41.0 61.4#

58 58.1 53.4 80.0



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



#50

Toluene-d8

Concen: 870.779 ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.01 min

Lab File: VD059396.D

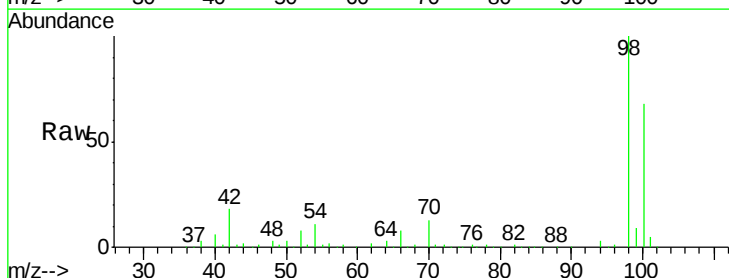
Acq: 25 Jun 2018 12:50

Tgt Ion: 98 Resp: 1039175

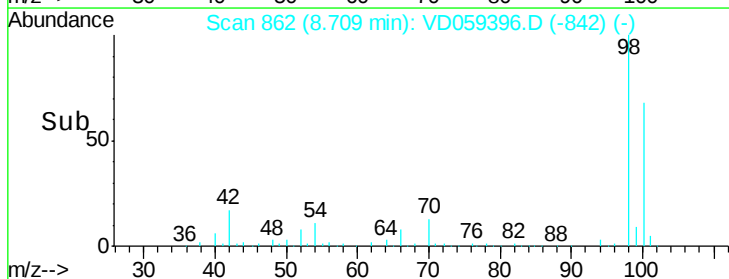
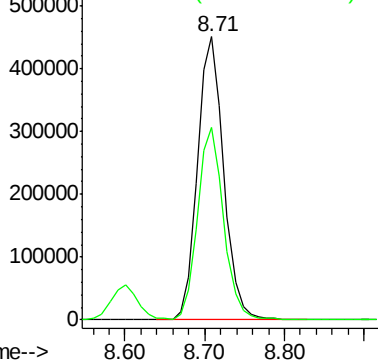
Ion Ratio Lower Upper

98 100

100 68.1 54.4 81.6



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





#51

4-Methyl-2-Pentanone

Concen: 213.186 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

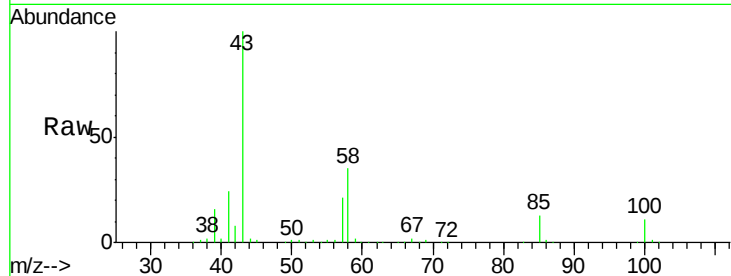
ClientSampled :

Tot Ion: 43 Resp: 1277392

Ion Ratio Lower Upper

43 100

58 35.0 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

500000

400000

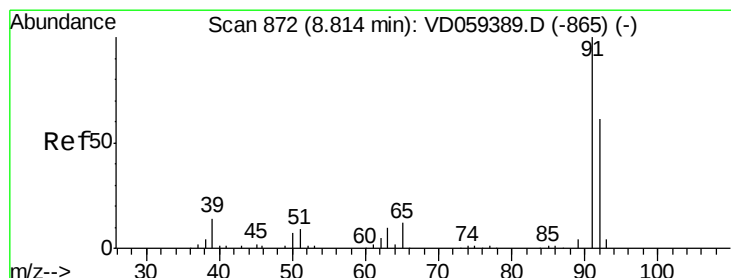
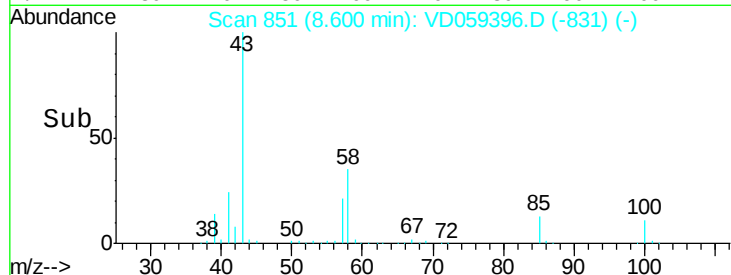
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 43.815 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.02 min

Lab File: VD059396.D

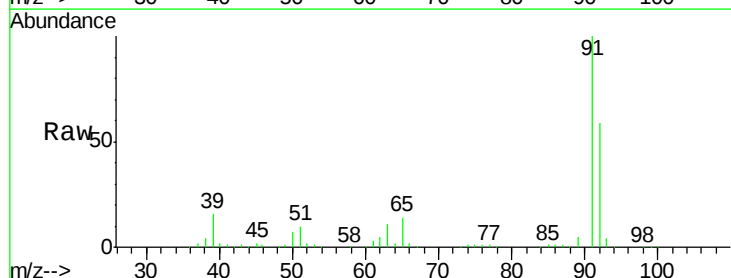
Acq: 25 Jun 2018 12:50

Tgt Ion: 92 Resp: 738320

Ion Ratio Lower Upper

92 100

91 170.5 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

600000

500000

400000

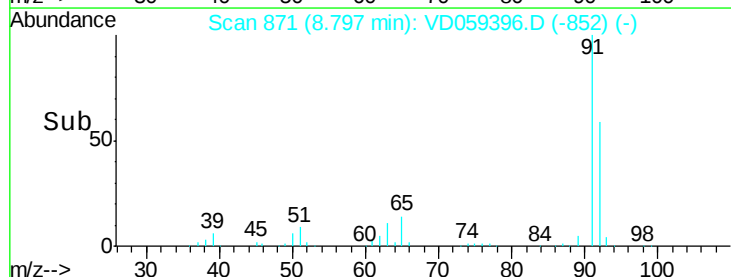
300000

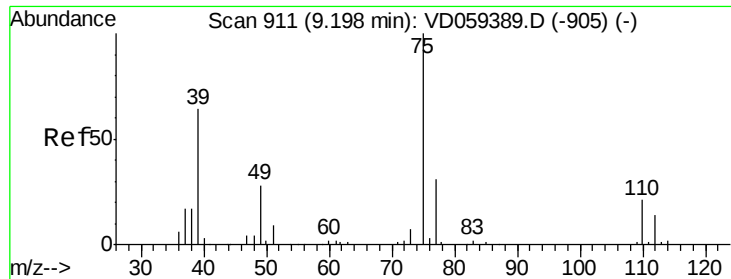
200000

100000

0

Time-->

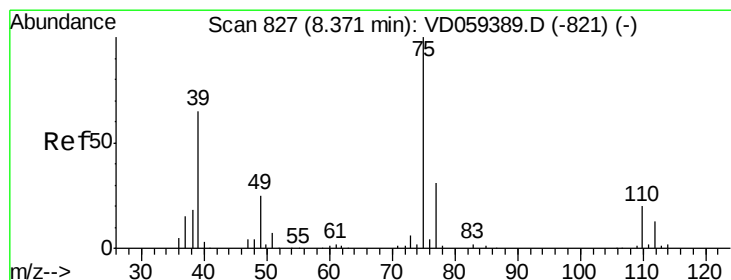
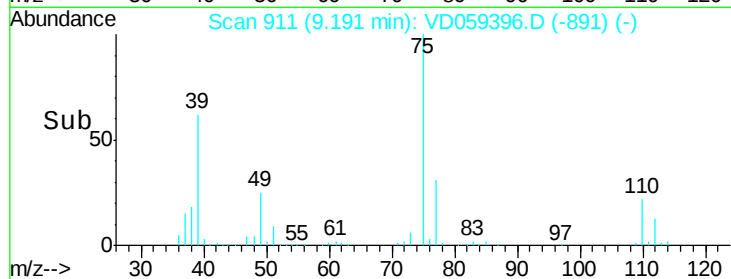
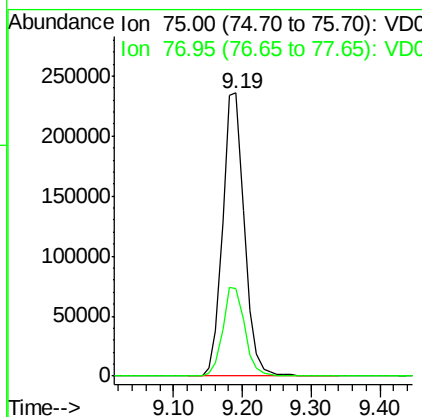
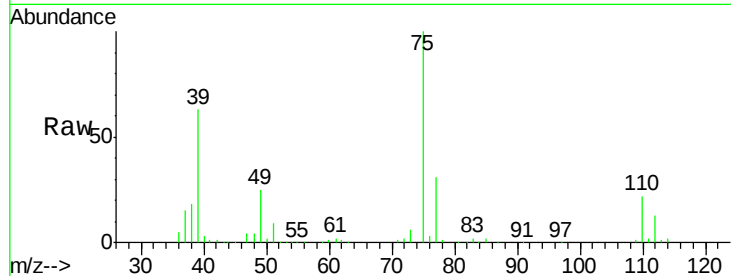




#53
 t-1,3-Dichloropropene
 Concen: 48.905 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

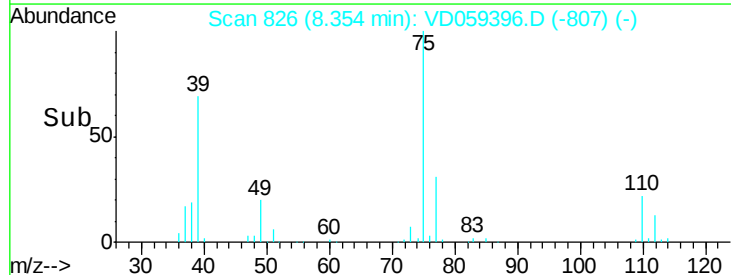
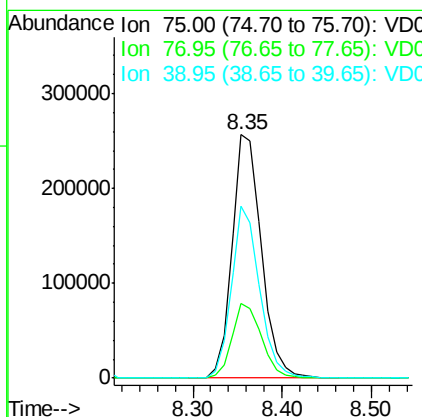
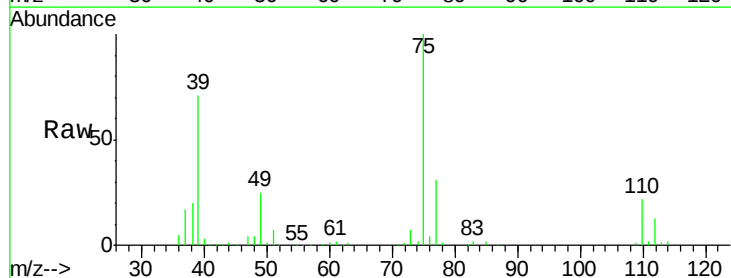
Instrument :
 MSVOA_D
 ClientSampleId :

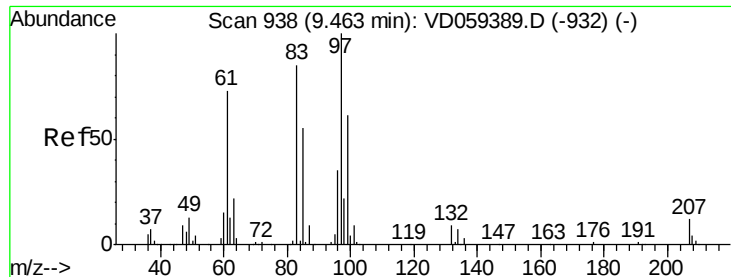
Tot Ion: 75 Resp: 513910
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 48.608 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion: 75 Resp: 591435
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.7 37.1
 39 70.5 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 43.732 ug/l

RT: 9.46 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 267547

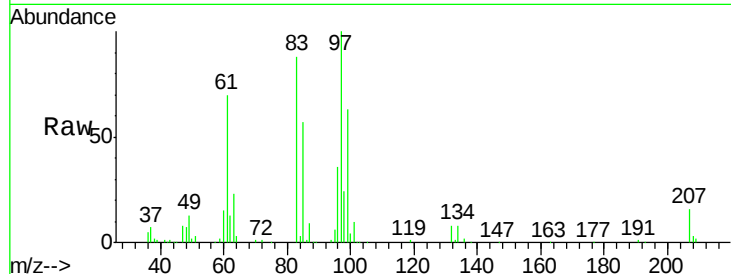
Ion Ratio Lower Upper

97 100

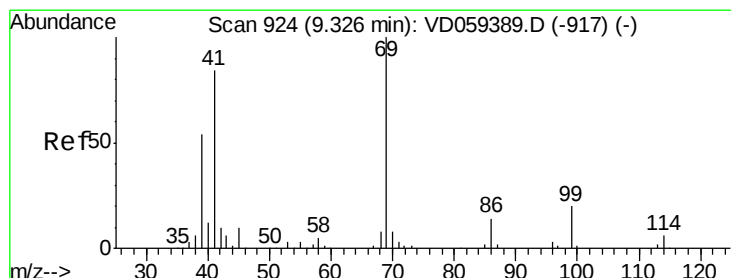
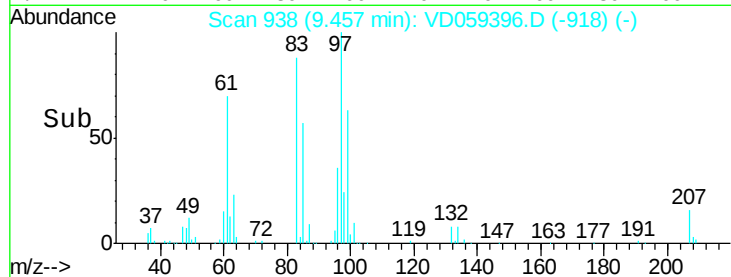
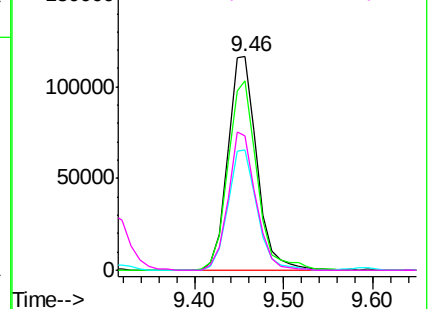
83 88.5 67.7 101.5

85 56.6 44.3 66.5

99 63.1 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: 44.116 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

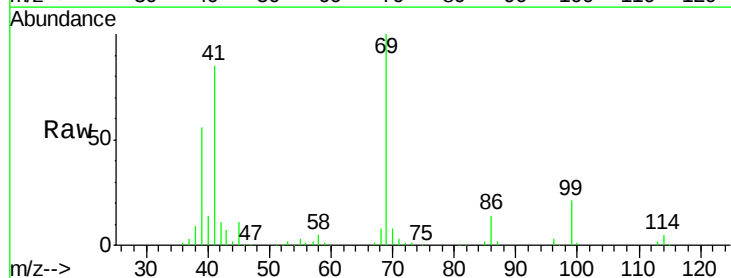
Tgt Ion: 69 Resp: 307976

Ion Ratio Lower Upper

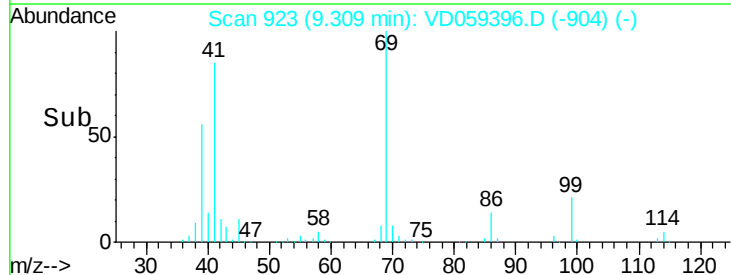
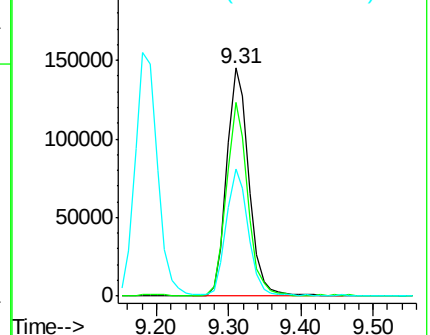
69 100

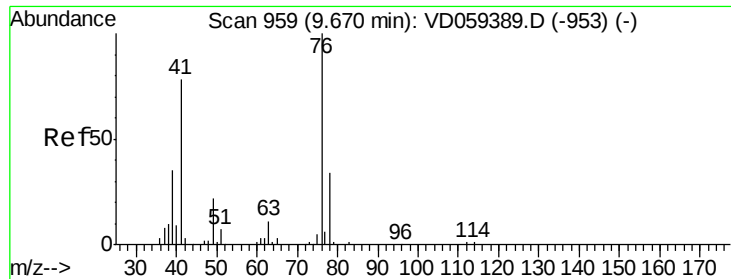
41 84.9 67.4 101.0

39 55.6 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: 42.530 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

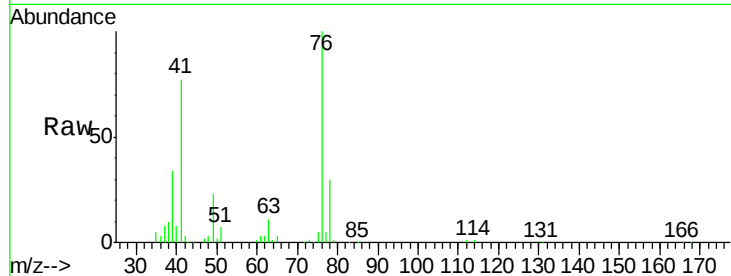
ClientSampled :

Tot Ion: 76 Resp: 425543

Ion Ratio Lower Upper

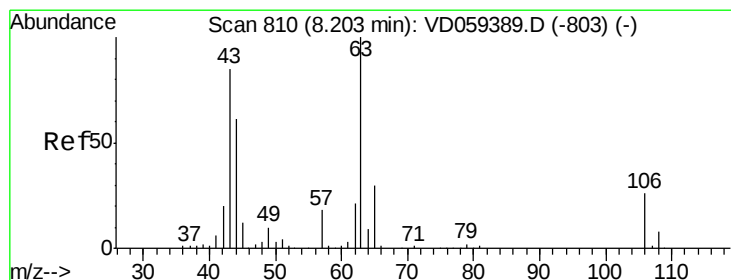
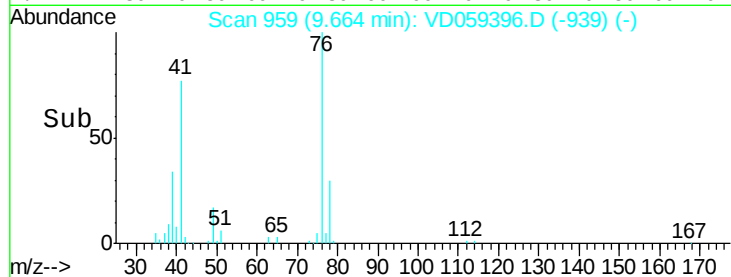
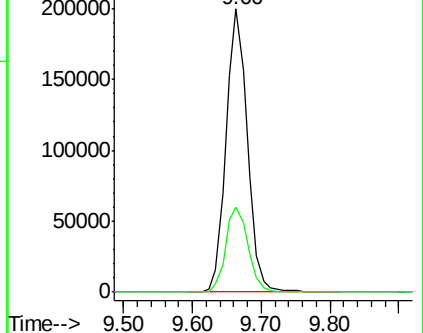
76 100

78 29.9 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 213.534 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.02 min

Lab File: VD059396.D

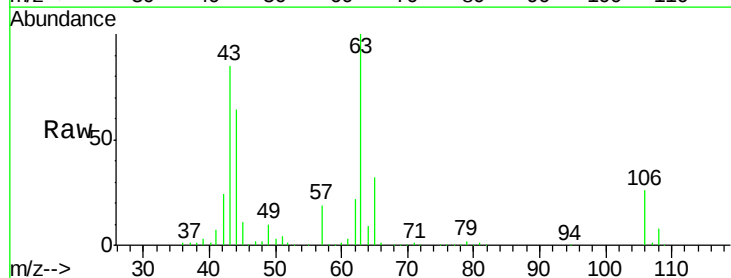
Acq: 25 Jun 2018 12:50

Tgt Ion: 63 Resp: 767400

Ion Ratio Lower Upper

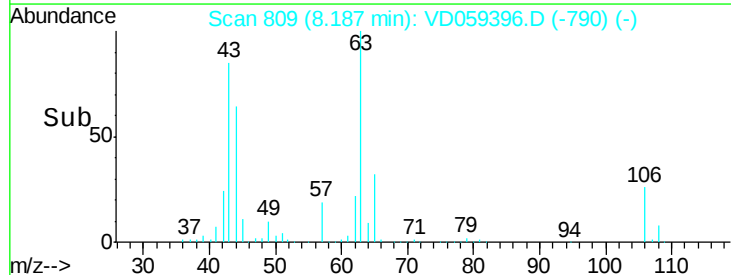
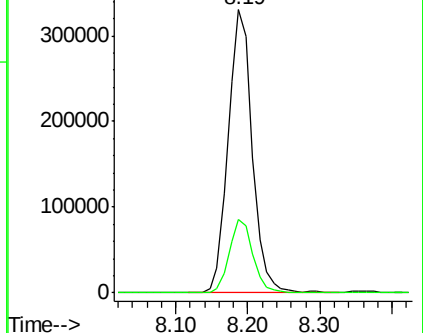
63 100

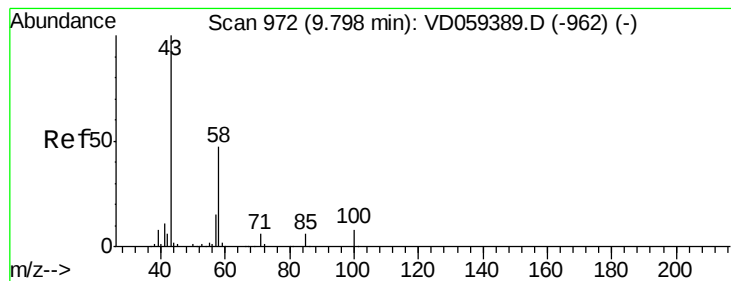
106 26.0 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 230.033 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.02 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

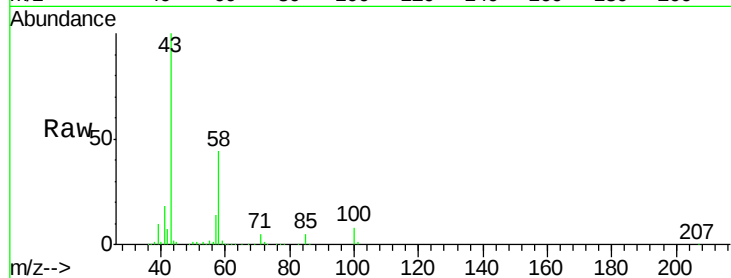
ClientSampleId :

Tot Ion: 43 Resp: 979624

Ion Ratio Lower Upper

43 100

58 43.9 23.3 69.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.78

500000

400000

300000

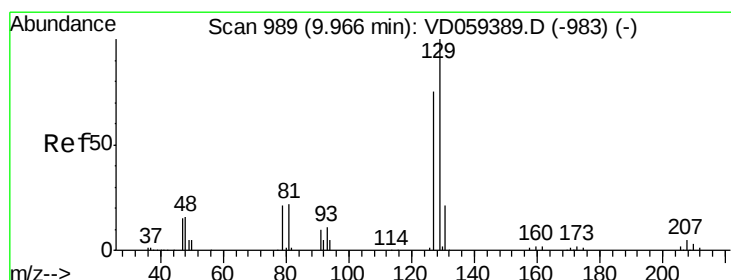
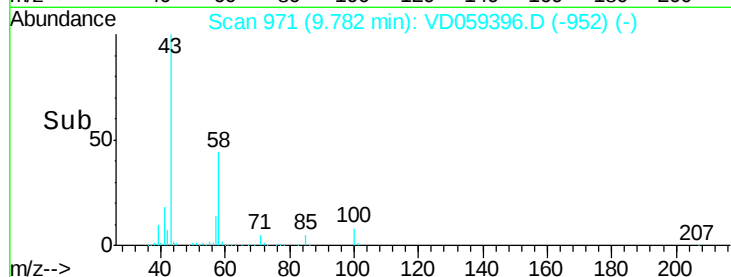
200000

100000

0

Time-->

9.70 9.80 9.90



#60

Dibromochloromethane

Concen: 47.954 ug/l

RT: 9.96 min Scan# 989

Delta R.T. -0.01 min

Lab File: VD059396.D

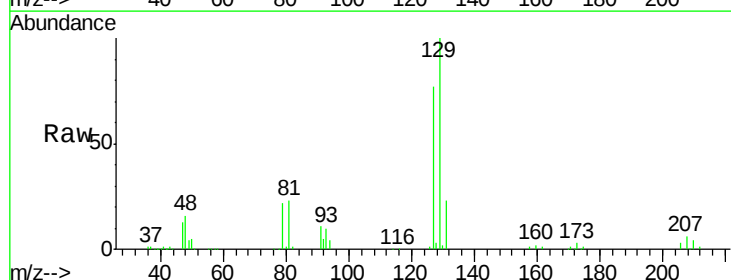
Acq: 25 Jun 2018 12:50

Tgt Ion:129 Resp: 410832

Ion Ratio Lower Upper

129 100

127 77.4 37.3 111.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.96

200000

150000

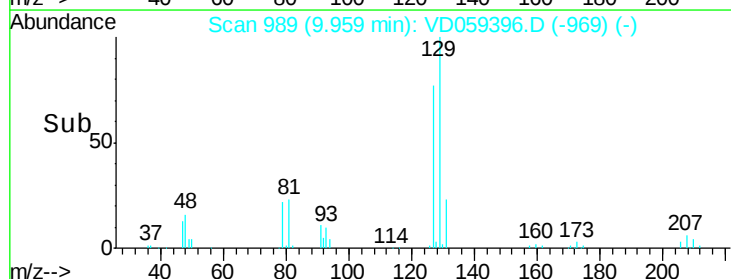
100000

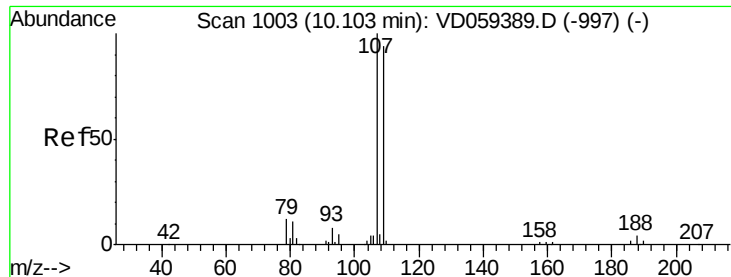
50000

0

Time-->

9.80 9.90 10.00 10.10





#61

1,2-Dibromoethane

Concen: 44.913 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

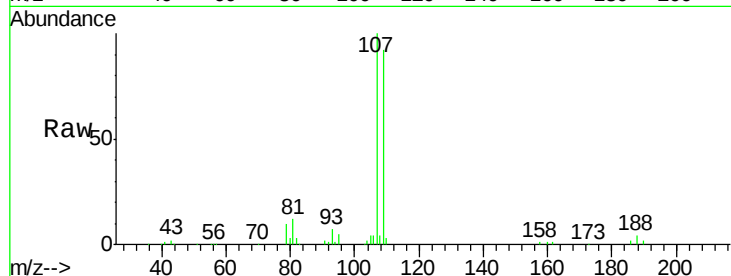
ClientSampleId :

Tot Ion:107 Resp: 305986

Ion Ratio Lower Upper

107 100

109 91.6 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

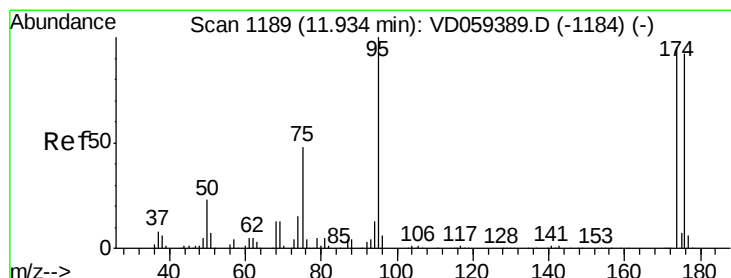
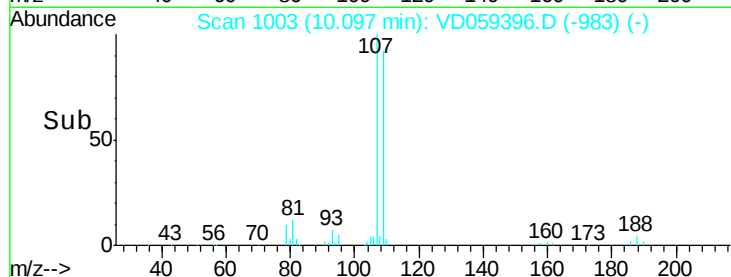
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.913 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

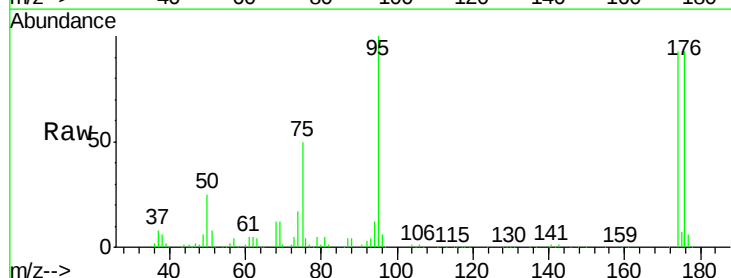
Tgt Ion: 95 Resp: 422220

Ion Ratio Lower Upper

95 100

174 92.6 0.0 190.4

176 93.0 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

400000

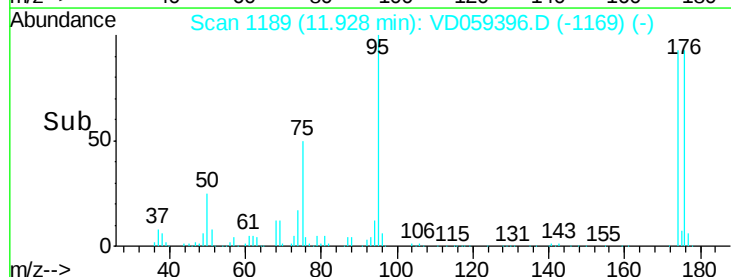
300000

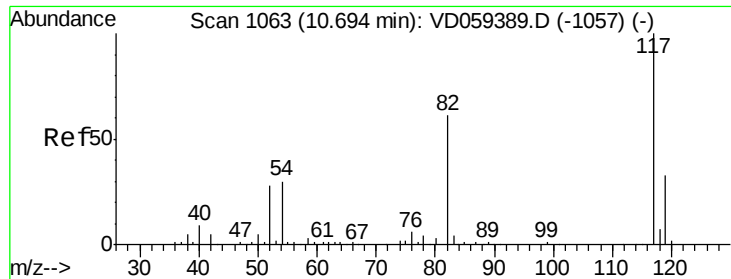
200000

100000

0

Time-->

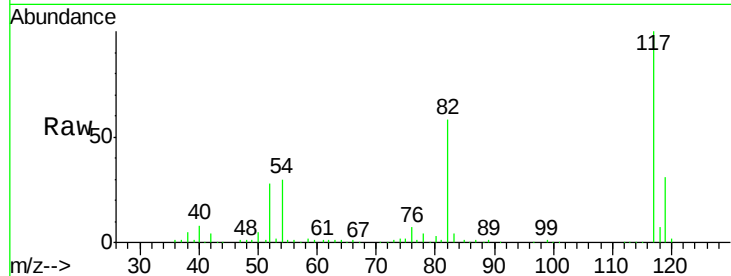




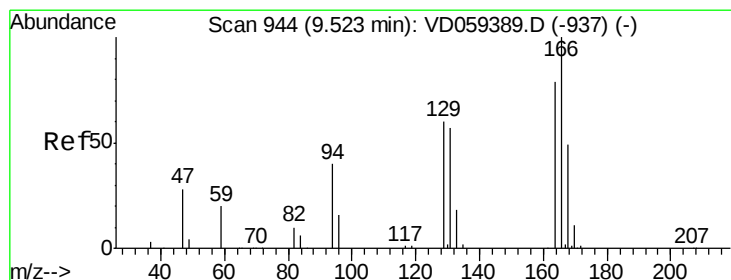
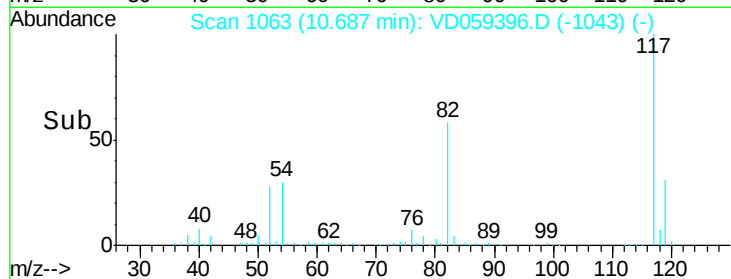
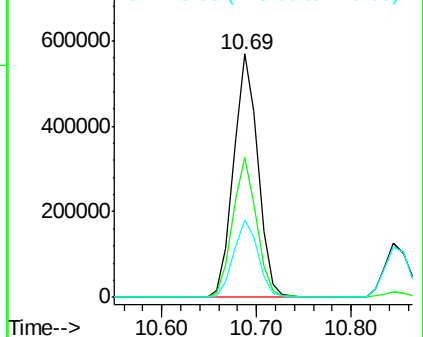
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1009558
Ion Ratio Lower Upper
117 100
82 57.6 49.0 73.6
119 31.5 26.2 39.4

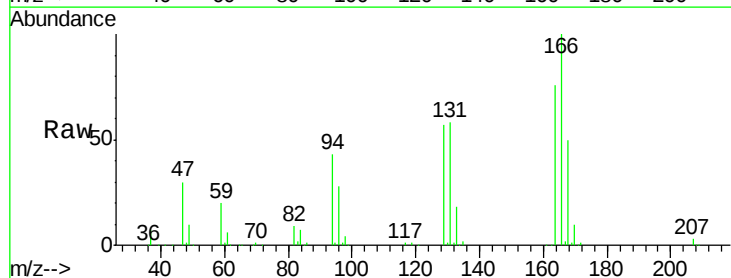


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

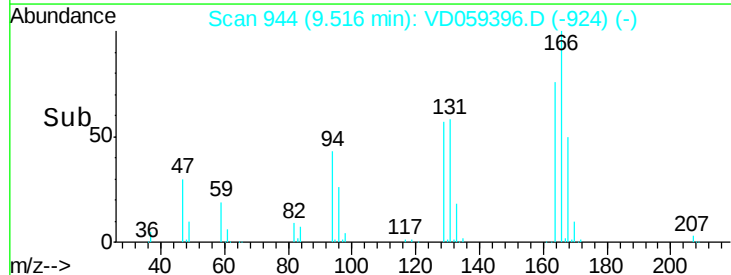
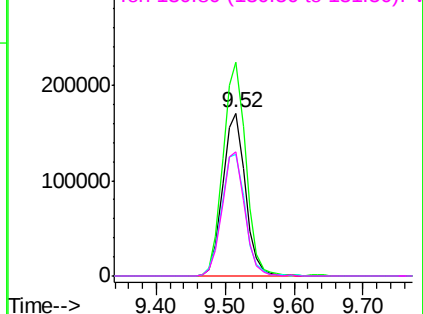


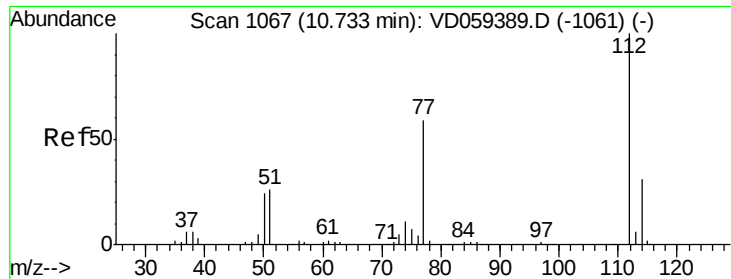
#64
Tetrachloroethene
Concen: 43.740 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion:164 Resp: 387382
Ion Ratio Lower Upper
164 100
166 131.2 101.4 152.2
129 75.0 60.9 91.3
131 76.0 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

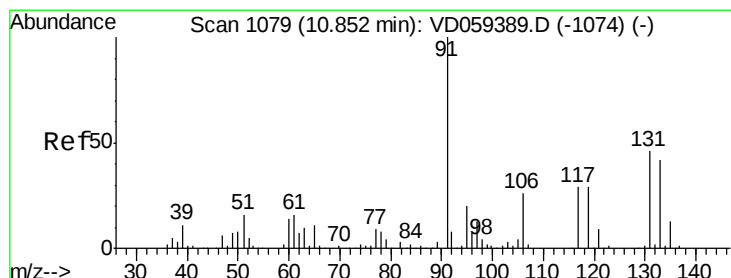
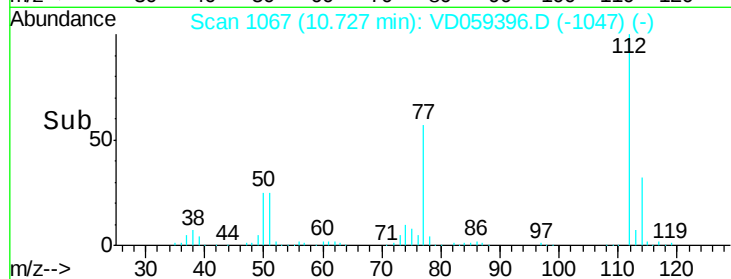
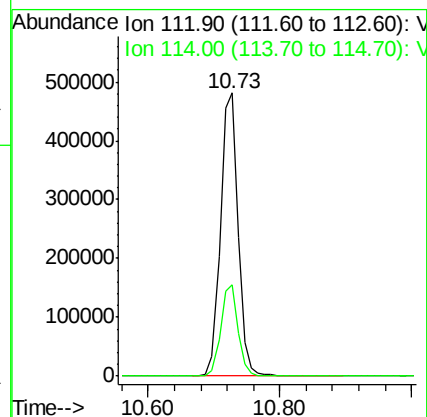
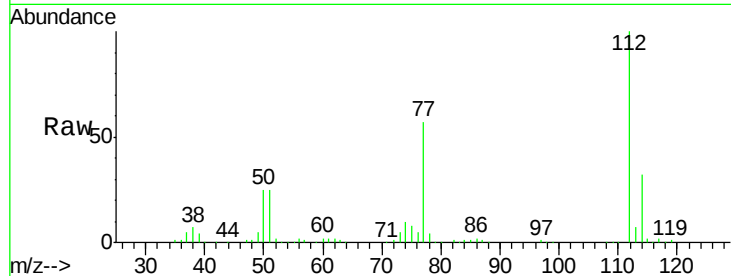




#65
Chlorobenzene
Concen: 48.083 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

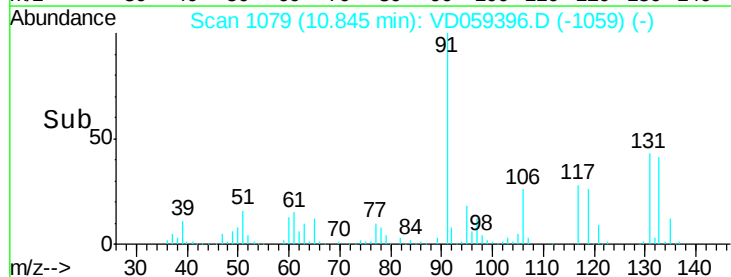
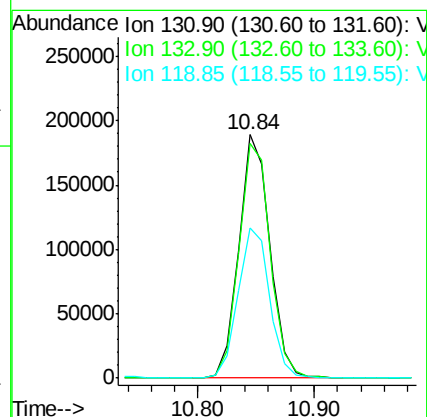
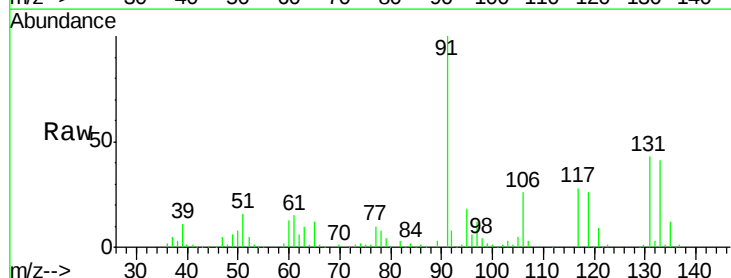
Instrument :
MSVOA_D
ClientSampleId :

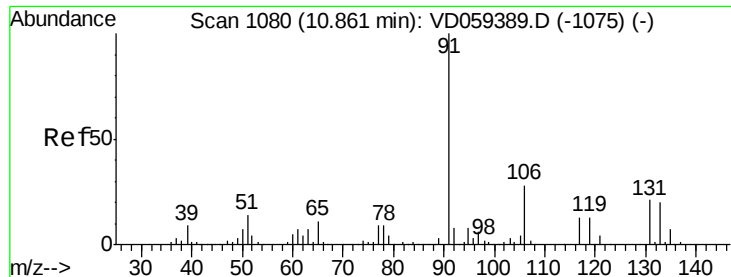
Tot Ion:112 Resp: 887605
Ion Ratio Lower Upper
112 100
114 32.5 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.947 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion:131 Resp: 346832
Ion Ratio Lower Upper
131 100
133 96.5 45.7 137.1
119 61.6 32.3 96.9

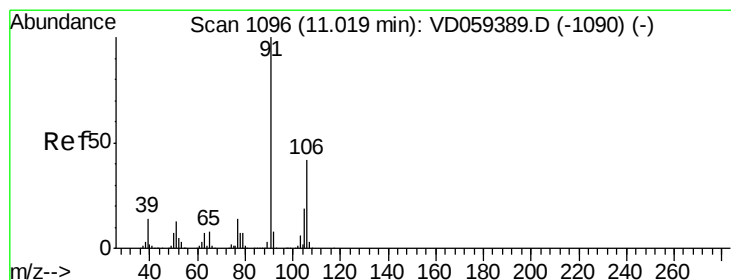
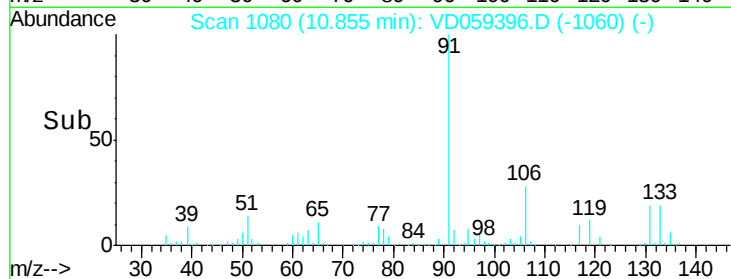
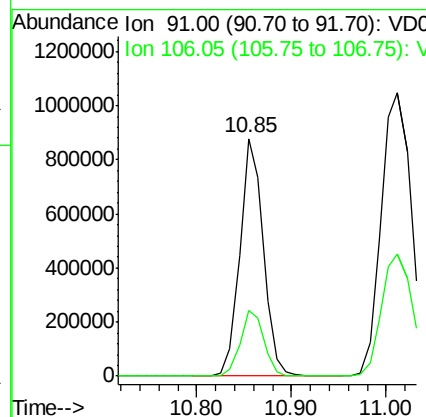
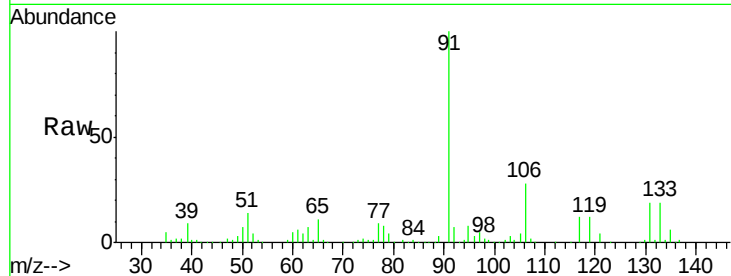




#67
Ethyl Benzene
Concen: 48.281 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

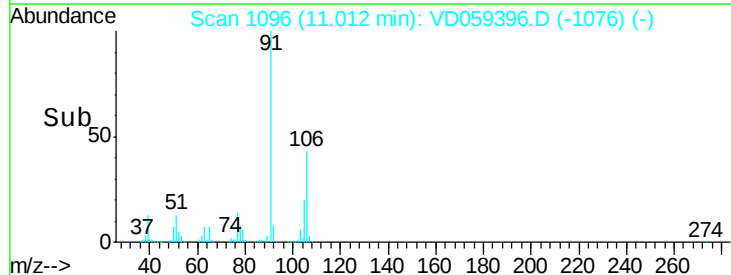
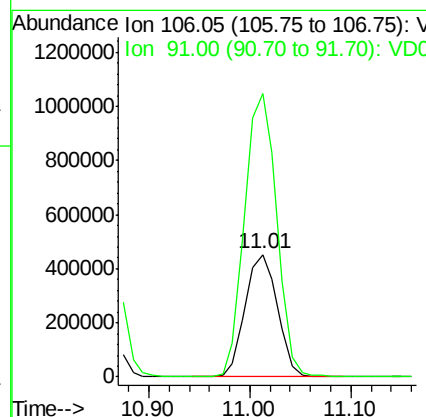
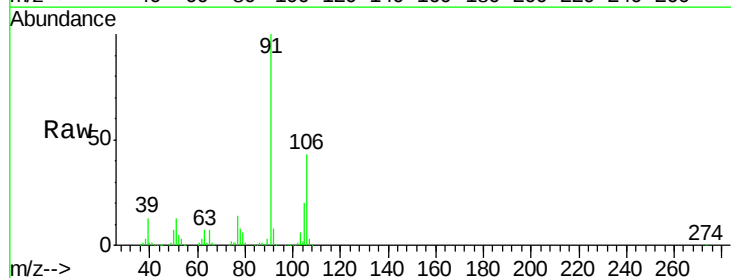
Instrument :
MSVOA_D
ClientSampled :

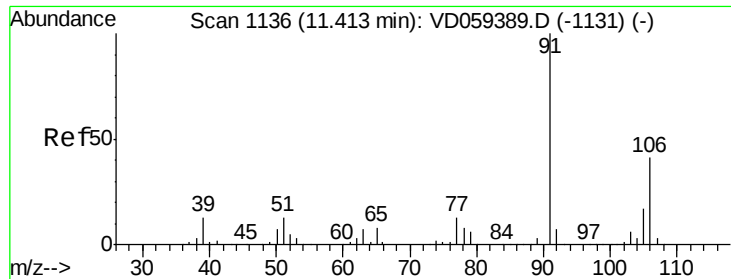
Tot Ion: 91 Resp: 1503918
Ion Ratio Lower Upper
91 100
106 27.7 22.3 33.5



#68
m/p-Xylenes
Concen: 97.799 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion: 106 Resp: 1010735
Ion Ratio Lower Upper
106 100
91 231.1 191.0 286.6

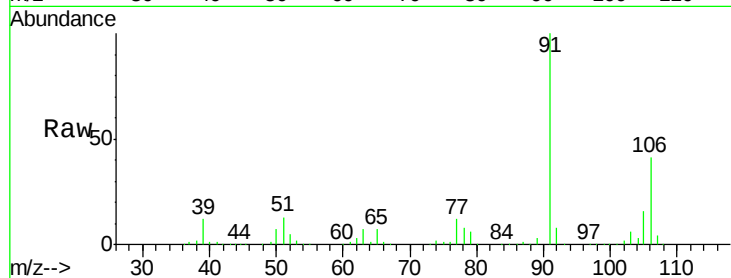




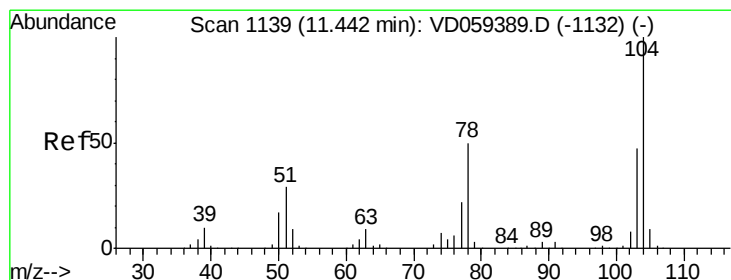
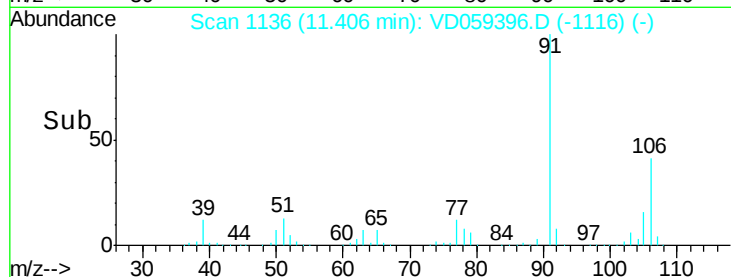
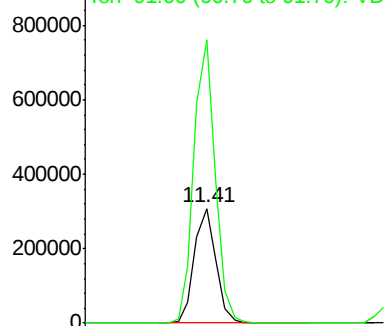
#69
o-Xylene
Concen: 47.934 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 489763
Ion Ratio Lower Upper
106 100
91 246.2 121.0 362.8

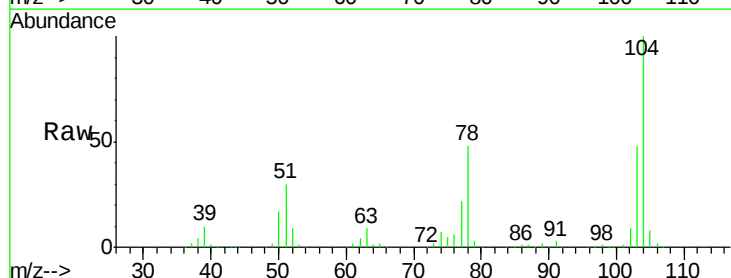


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

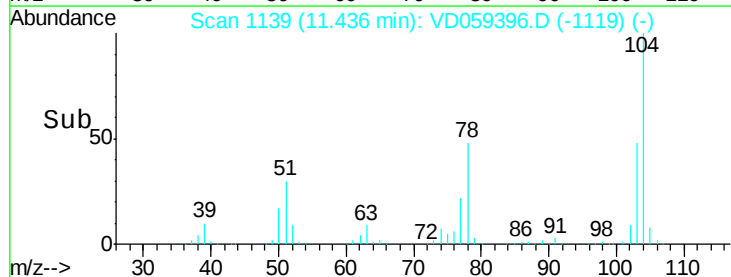
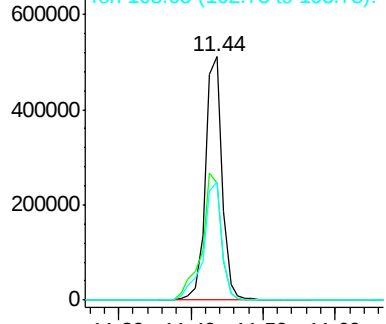


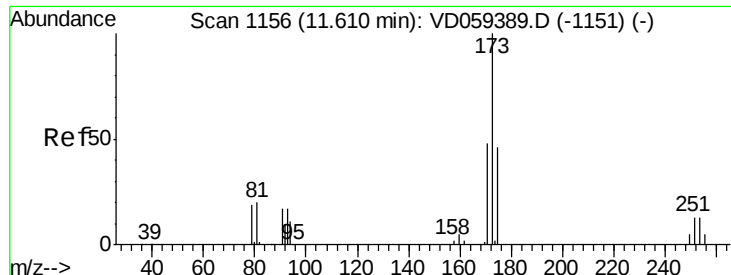
#70
Styrene
Concen: 47.205 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion:104 Resp: 826758
Ion Ratio Lower Upper
104 100
78 48.0 40.2 60.4
103 48.4 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

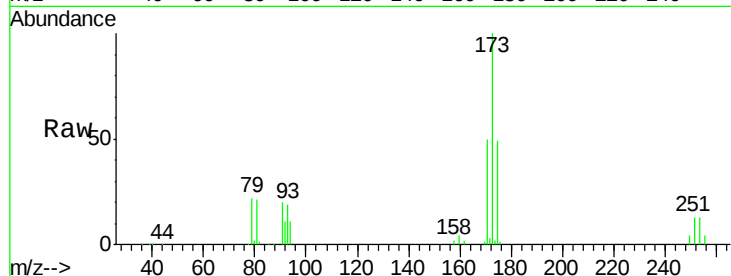




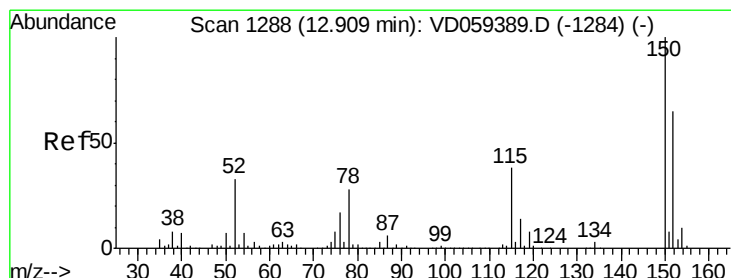
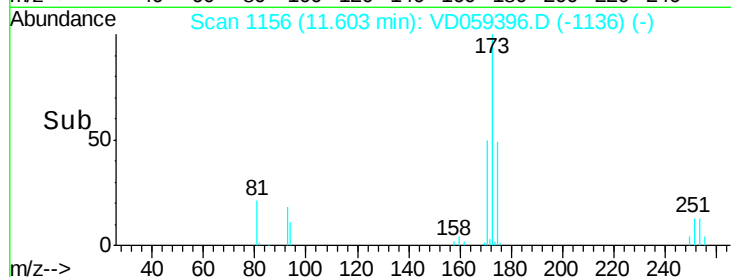
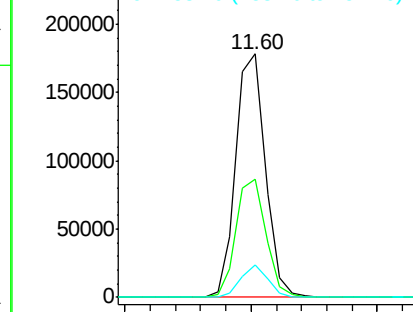
#71
Bromoform
Concen: 48.935 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 287261
Ion Ratio Lower Upper
173 100
175 48.6 22.8 68.4
254 13.4 10.1 15.1

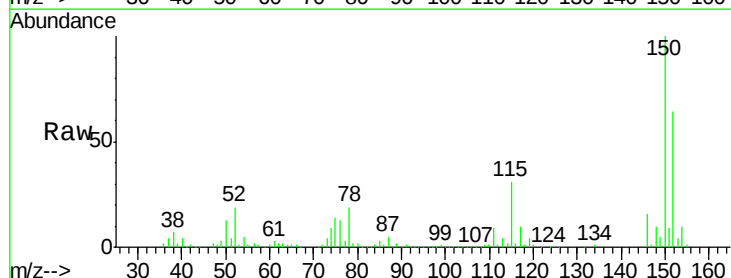


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

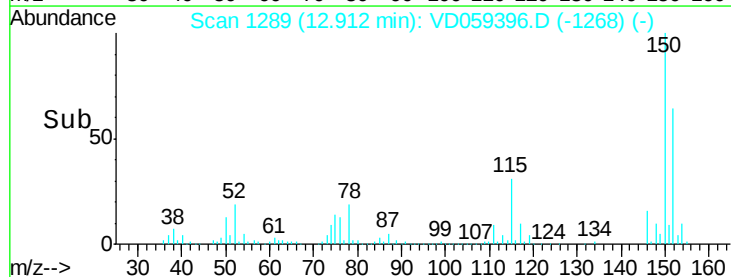
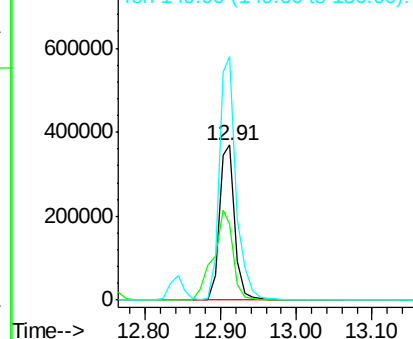


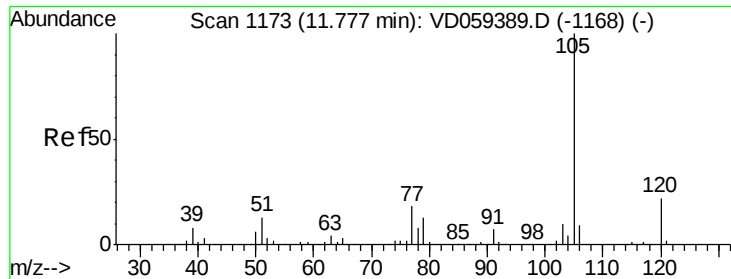
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion:152 Resp: 531058
Ion Ratio Lower Upper
152 100
115 49.0 29.4 88.3
150 157.3 0.0 308.2



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





#73

Isopropylbenzene

Concen: 47.958 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

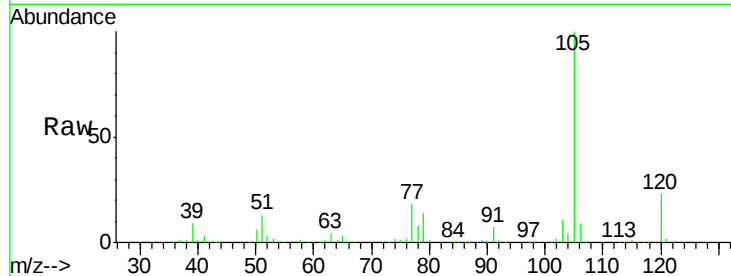
ClientSampleId :

Tot Ion:105 Resp: 1437227

Ion Ratio Lower Upper

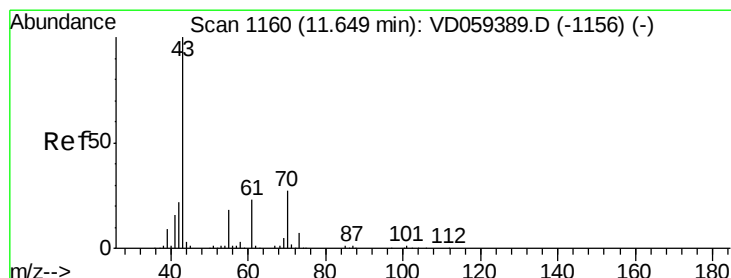
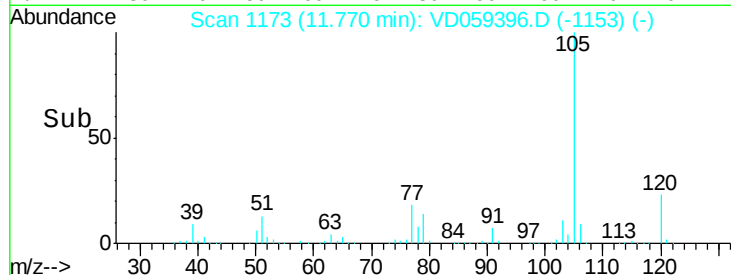
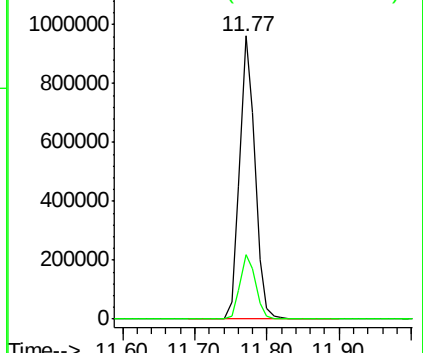
105 100

120 22.7 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: 45.855 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Tgt Ion: 43 Resp: 522834

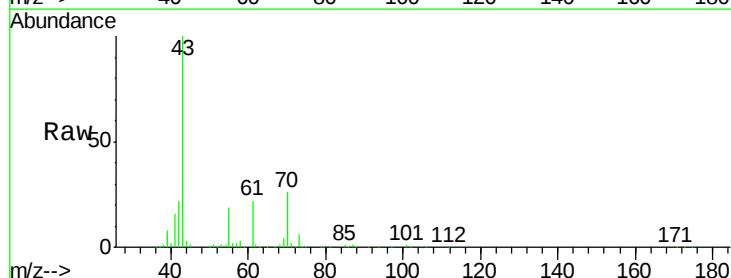
Ion Ratio Lower Upper

43 100

70 26.3 21.7 32.5

55 18.6 14.6 22.0

61 22.4 18.0 27.0

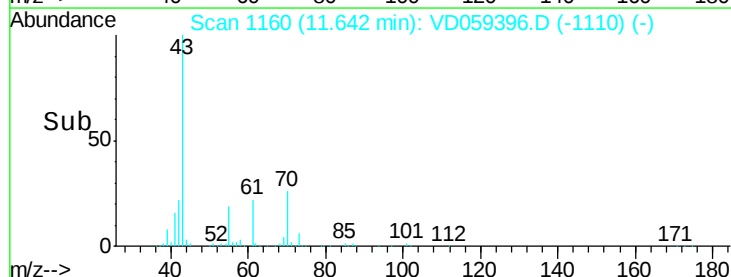
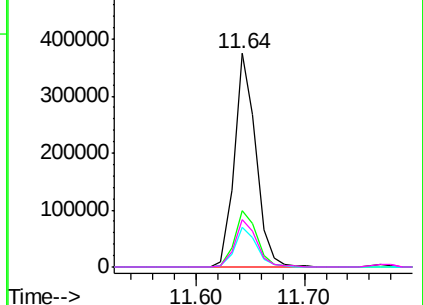


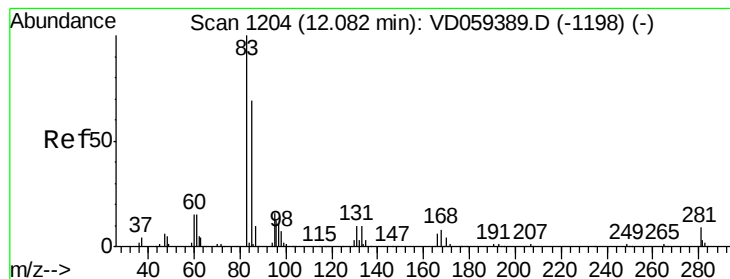
Abundance Ion 42.95 (42.65 to 43.65): V

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: 45.339 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

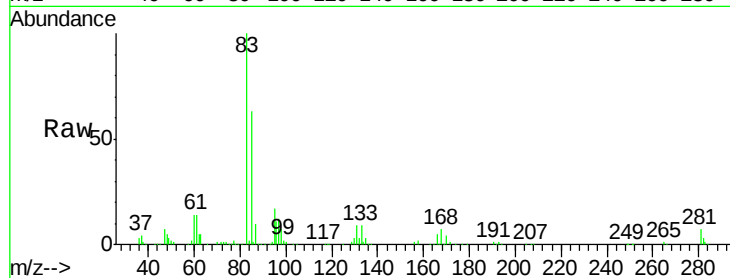
Tot Ion: 83 Resp: 318771

Ion Ratio Lower Upper

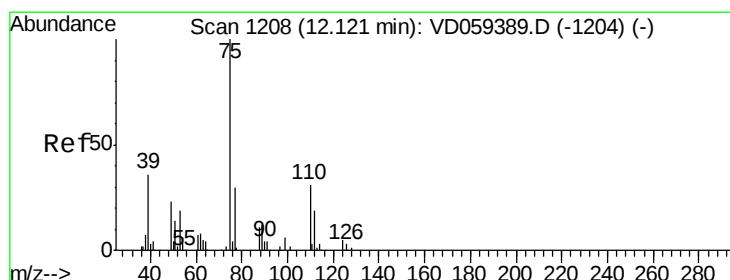
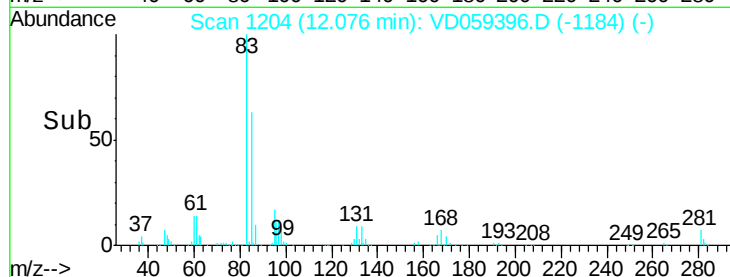
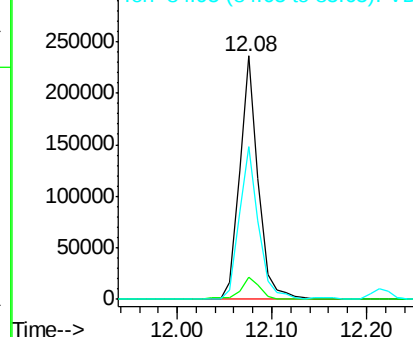
83 100

131 9.1 4.9 14.6

85 62.7 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: 46.259 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059396.D

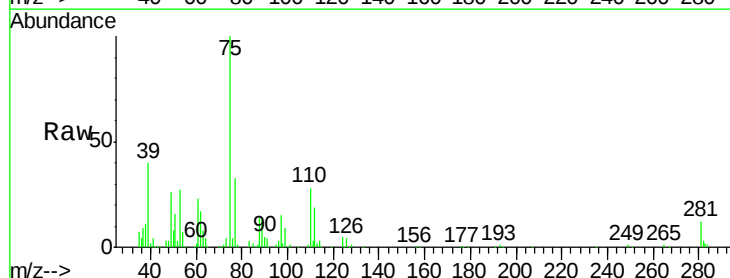
Acq: 25 Jun 2018 12:50

Tgt Ion: 75 Resp: 338850

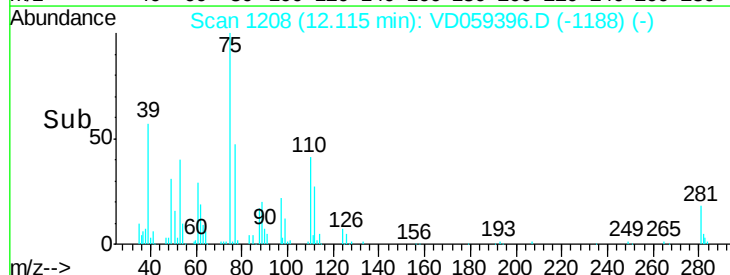
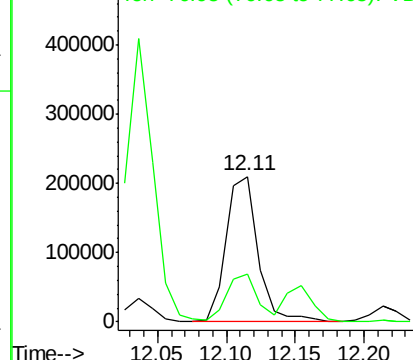
Ion Ratio Lower Upper

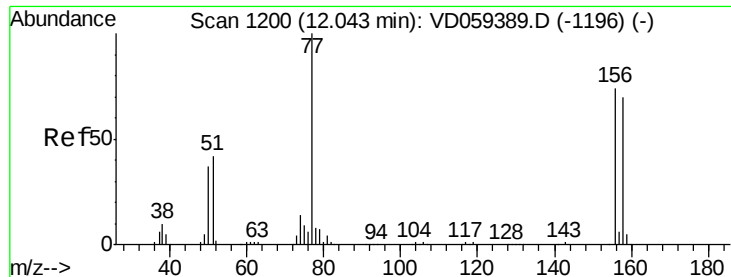
75 100

77 32.7 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: 46.340 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

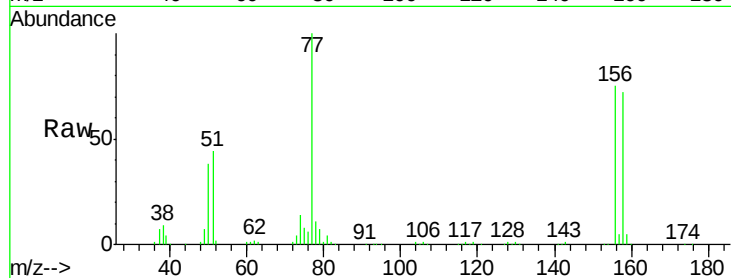
Tot Ion:156 Resp: 437094

Ion Ratio Lower Upper

156 100

77 132.8 68.0 203.8

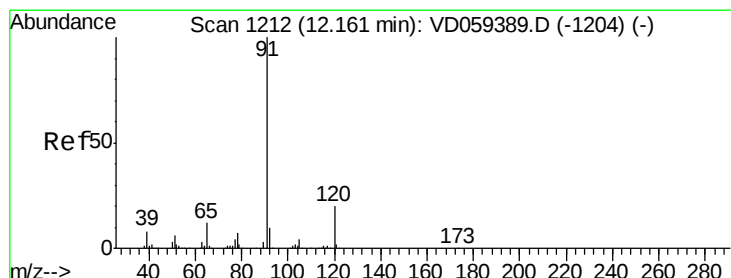
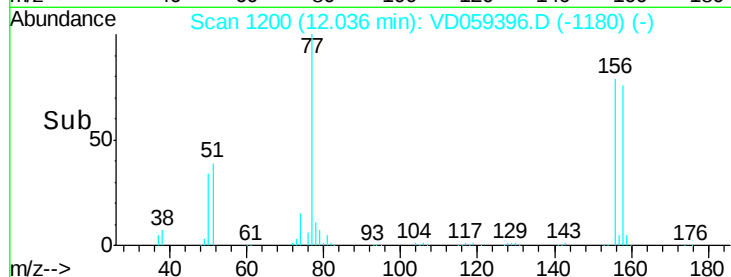
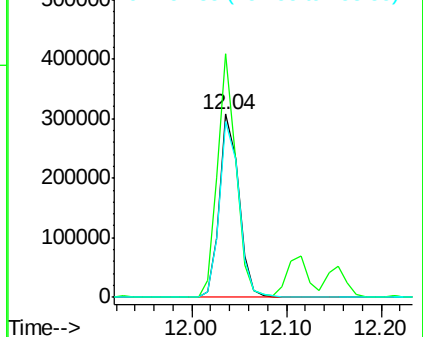
158 96.1 47.7 143.1



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: 47.100 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VD059396.D

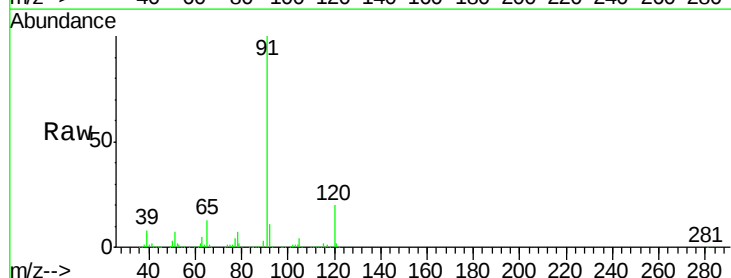
Acq: 25 Jun 2018 12:50

Tgt Ion: 91 Resp: 1787693

Ion Ratio Lower Upper

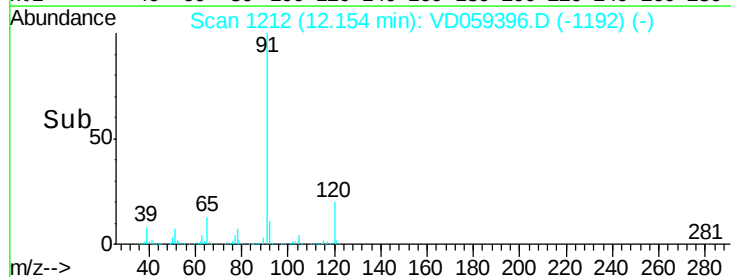
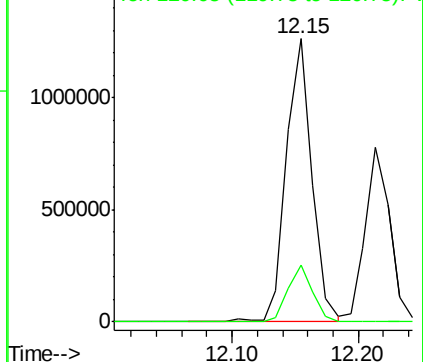
91 100

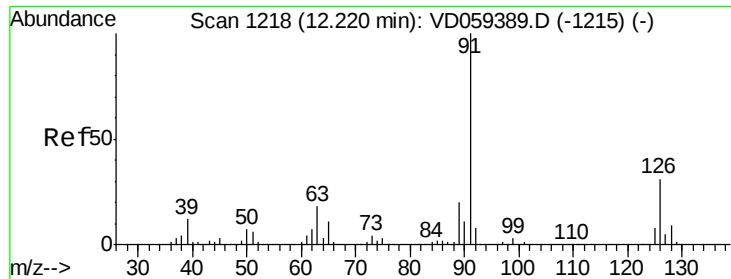
120 19.9 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

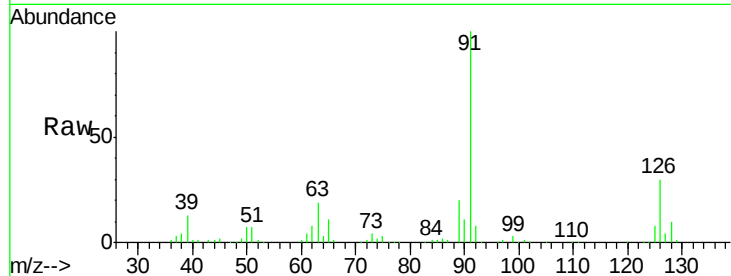




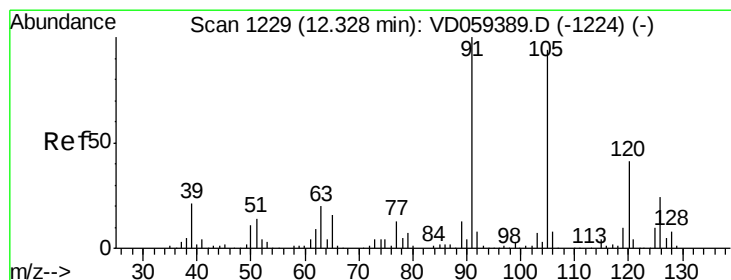
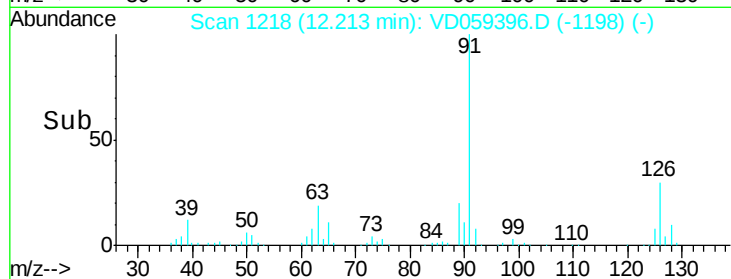
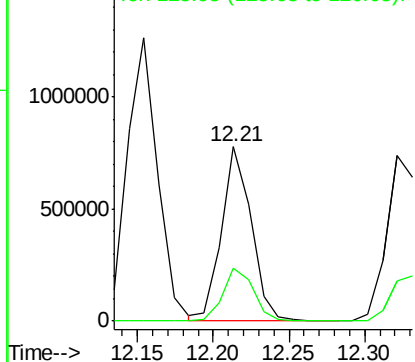
#79
 2-Chlorotoluene
 Concen: 47.603 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 1061064
 Ion Ratio Lower Upper
 91 100
 126 30.2 15.2 45.5

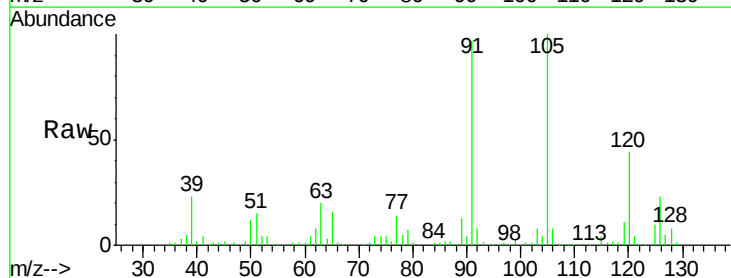


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

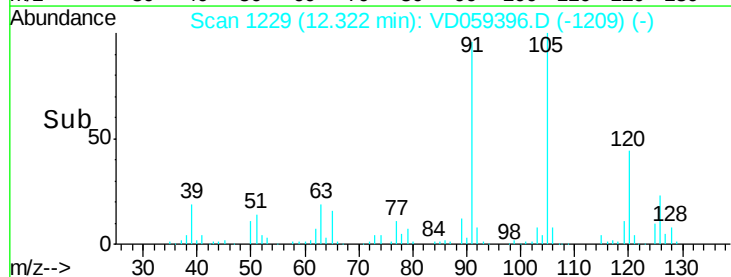
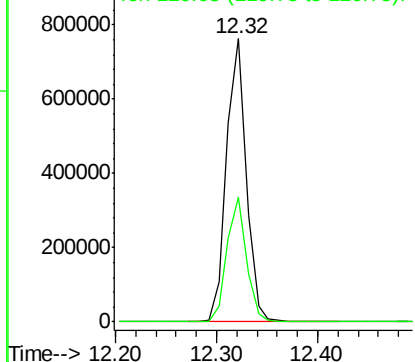


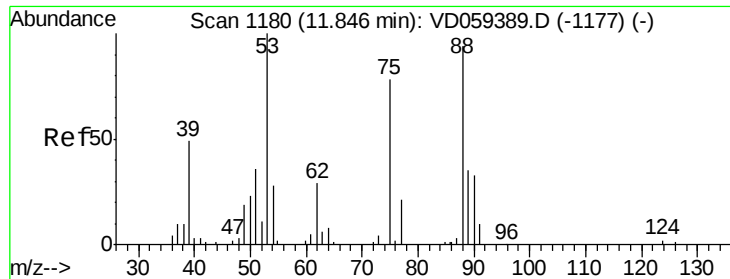
#80
 1,3,5-Trimethylbenzene
 Concen: 43.369 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion:105 Resp: 1034690
 Ion Ratio Lower Upper
 105 100
 120 44.2 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: 53.387 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

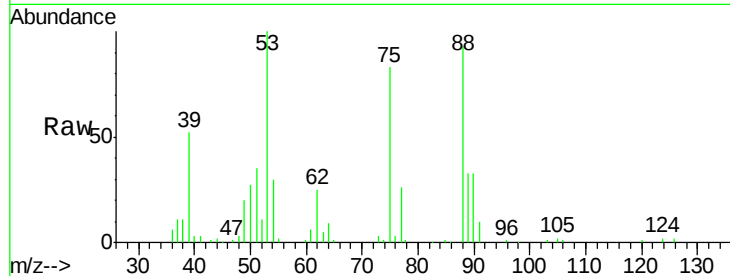
Tot Ion: 75 Resp: 88886

Ion Ratio Lower Upper

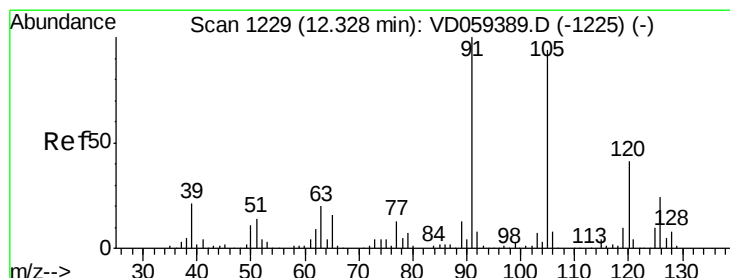
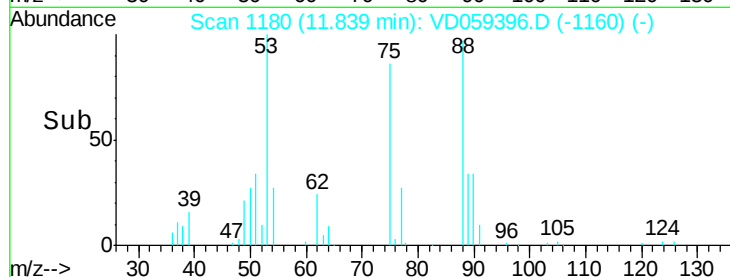
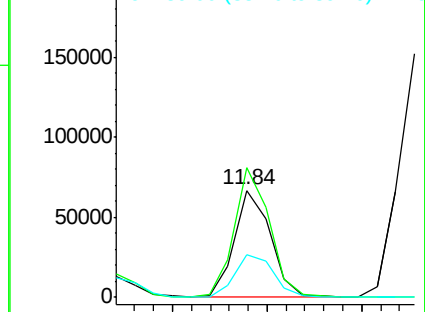
75 100

53 120.9 102.6 154.0

89 39.6 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: 43.727 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059396.D

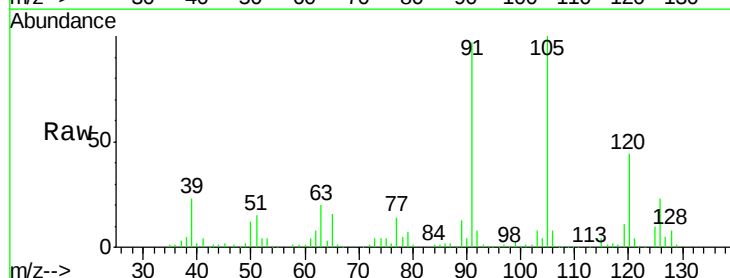
Acq: 25 Jun 2018 12:50

Tgt Ion: 91 Resp: 1105216

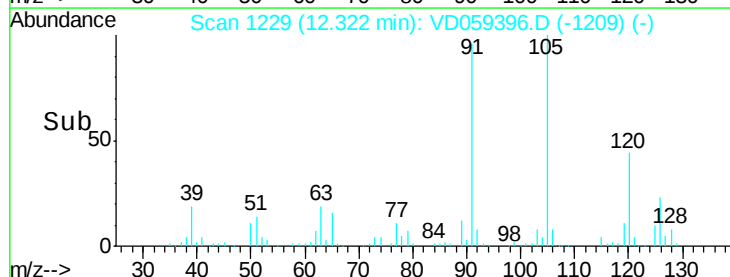
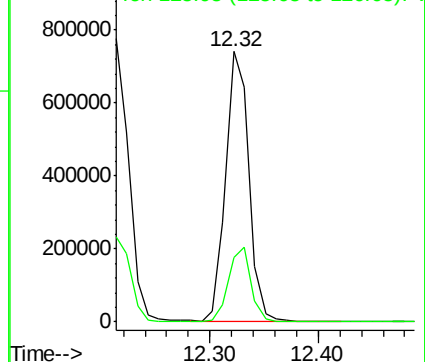
Ion Ratio Lower Upper

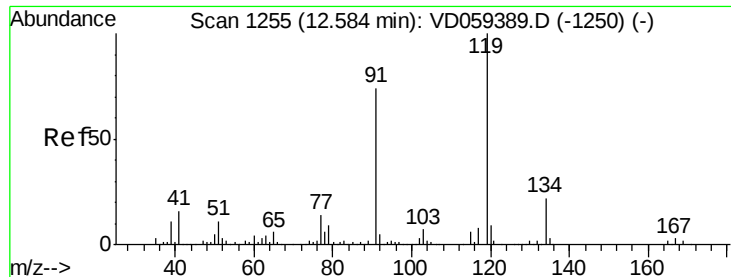
91 100

126 24.1 12.2 36.6



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

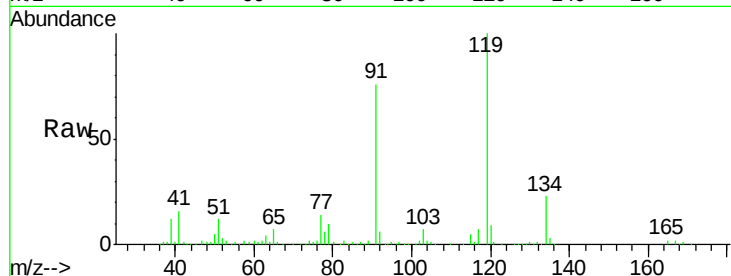




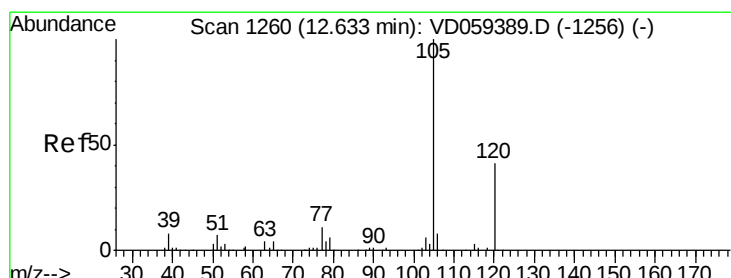
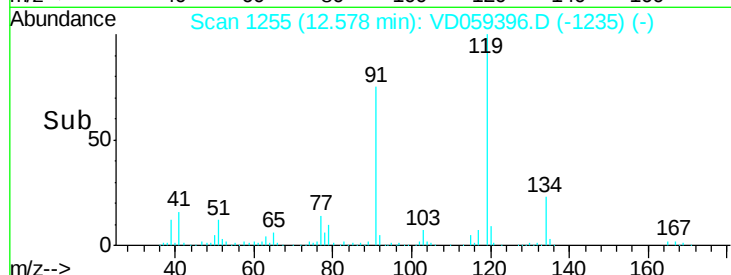
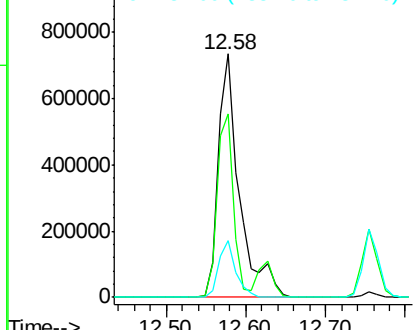
#83
tert-Butylbenzene
Concen: 53.952 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 1369181
Ion Ratio Lower Upper
119 100
91 75.5 36.9 110.7
134 23.2 11.2 33.6

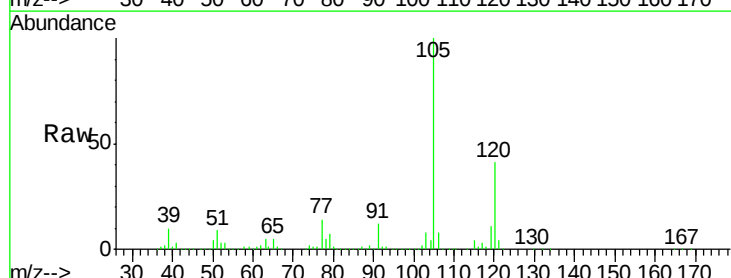


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

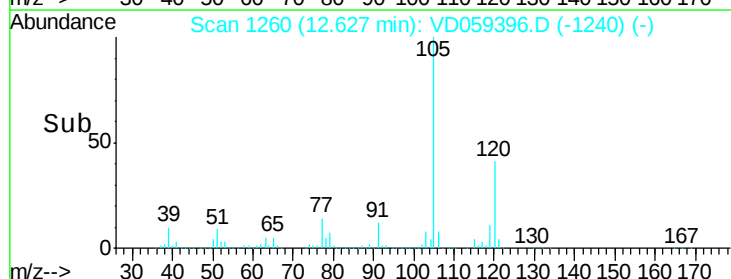
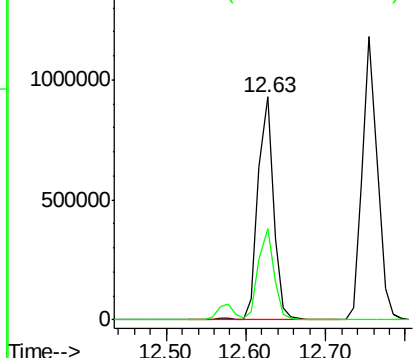


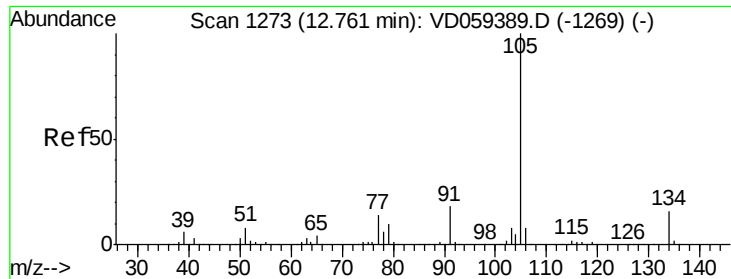
#84
1,2,4-Trimethylbenzene
Concen: 48.853 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion:105 Resp: 1233457
Ion Ratio Lower Upper
105 100
120 41.0 21.5 64.5



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

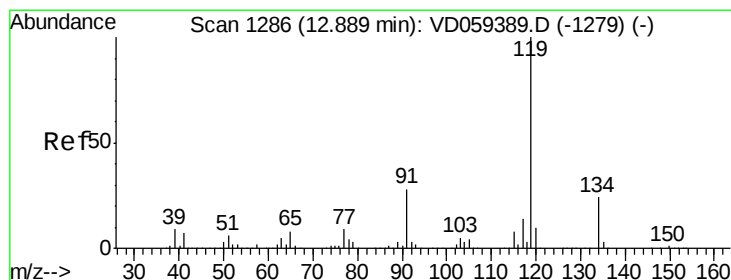
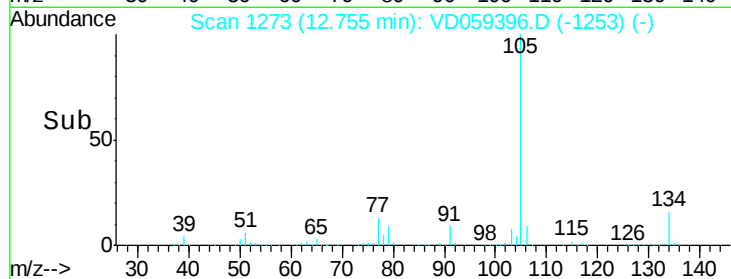
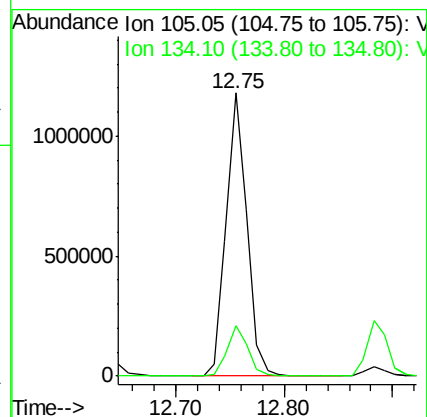
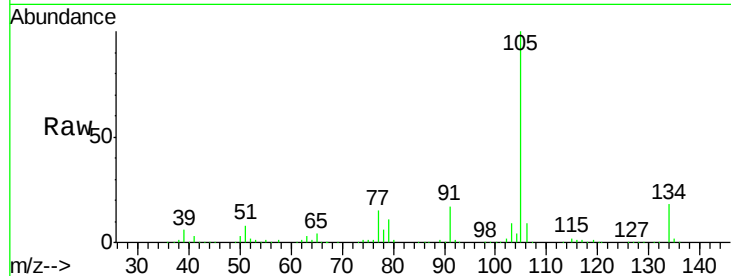




#85
 sec-Butylbenzene
 Concen: 50.232 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

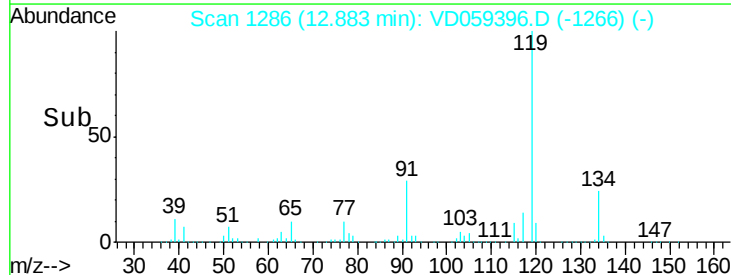
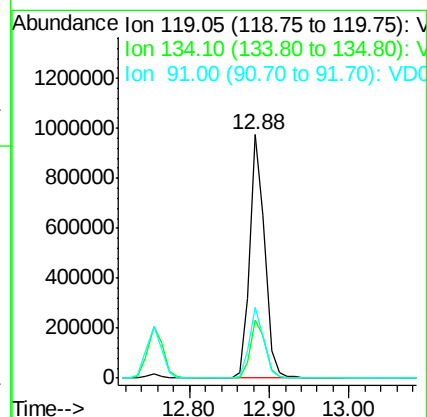
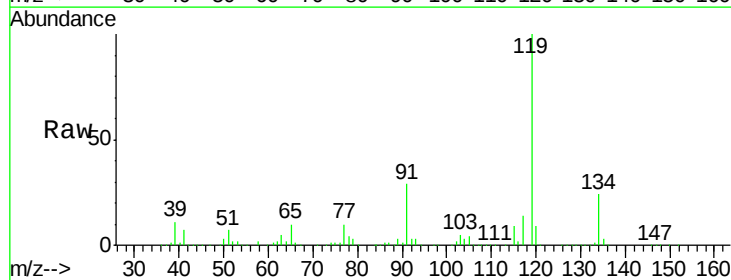
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:105 Resp: 1564276
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 50.007 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion:119 Resp: 1255181
 Ion Ratio Lower Upper
 119 100
 134 23.6 11.9 35.5
 91 29.1 14.1 42.4

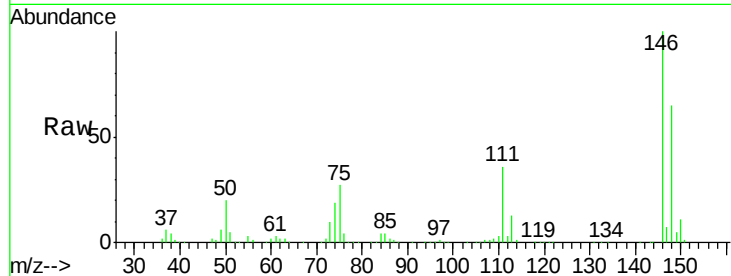




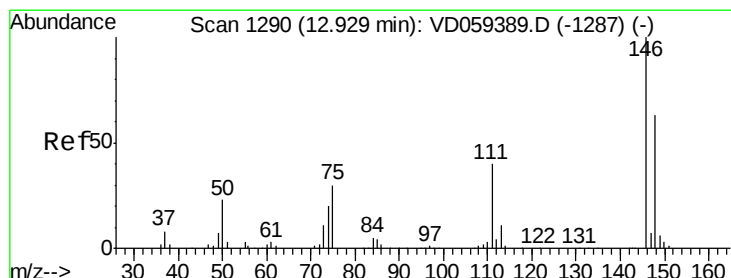
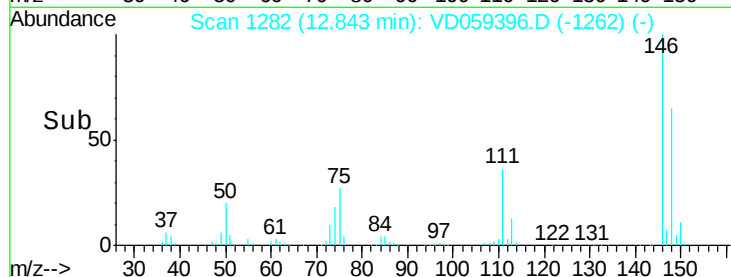
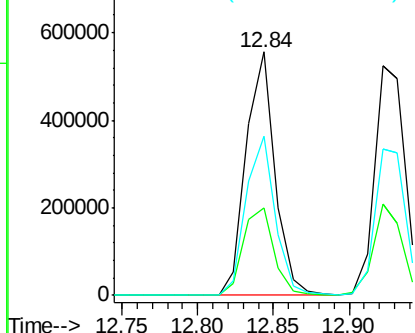
#87
 1,3-Dichlorobenzene
 Concen: 47.711 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.6	52.8
148	65.3	32.4	97.2

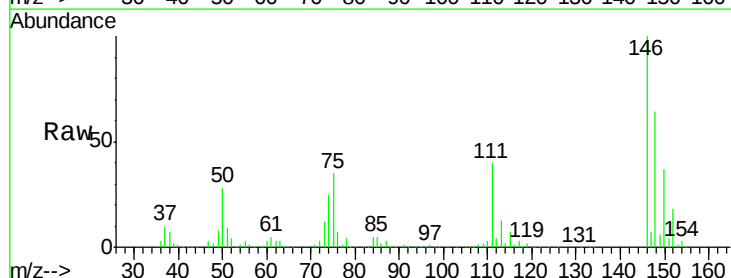


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

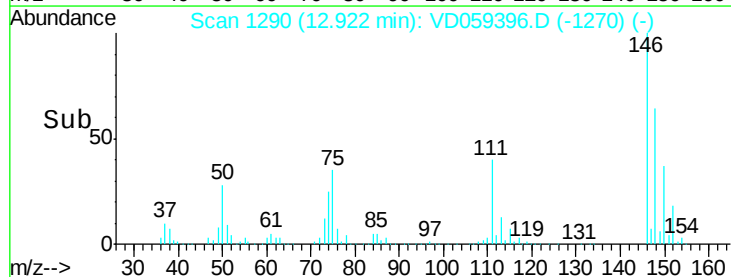
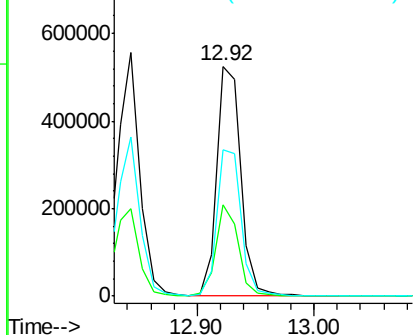


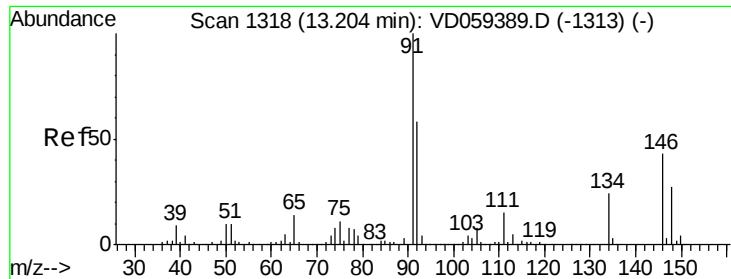
#88
 1,4-Dichlorobenzene
 Concen: 48.831 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.1	60.2
148	63.7	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

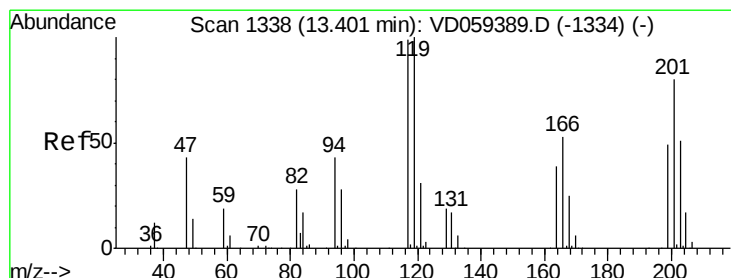
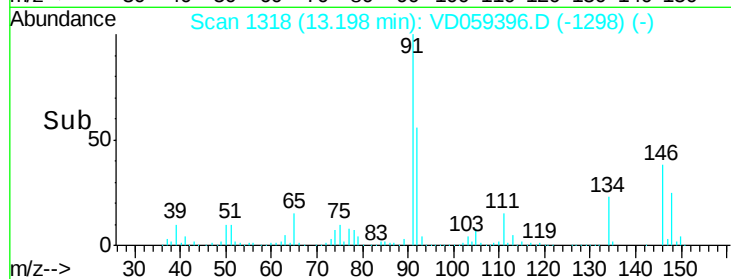
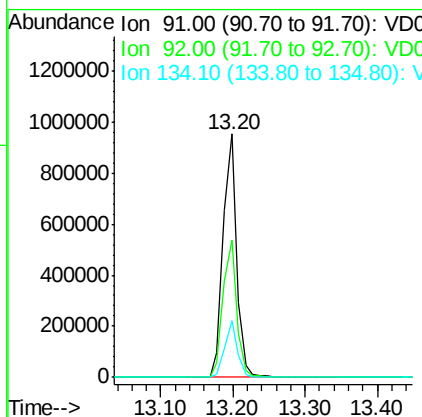
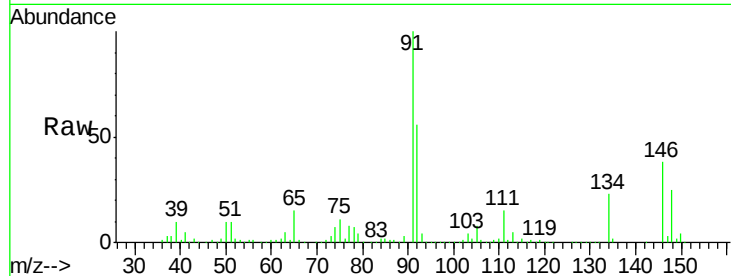




#89
n-Butylbenzene
Concen: 49.565 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

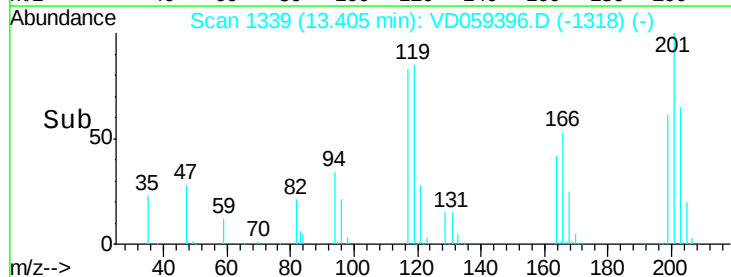
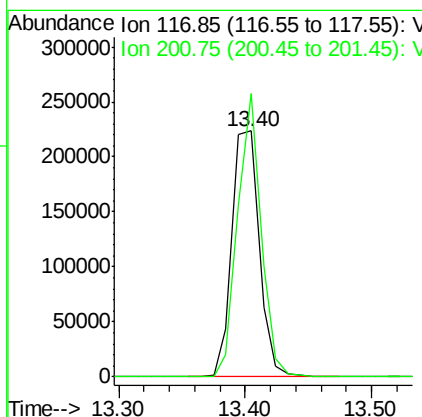
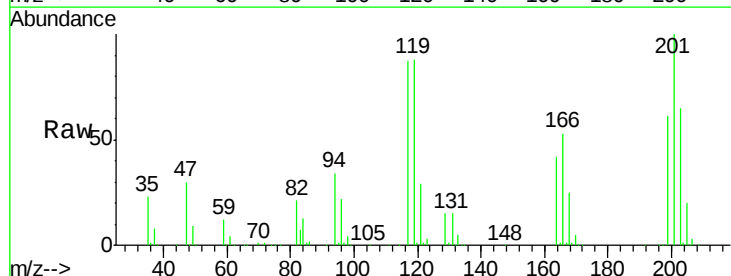
Instrument :
MSVOA_D
ClientSampleId :

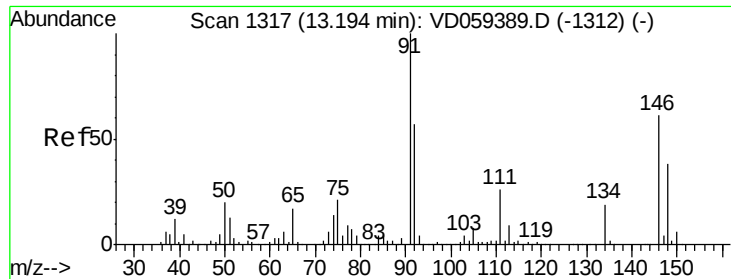
Tot Ion: 91 Resp: 1228031
Ion Ratio Lower Upper
91 100
92 56.2 28.8 86.5
134 23.4 11.9 35.7



#90
Hexachloroethane
Concen: 53.493 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion: 117 Resp: 334985
Ion Ratio Lower Upper
117 100
201 115.2 40.1 120.3

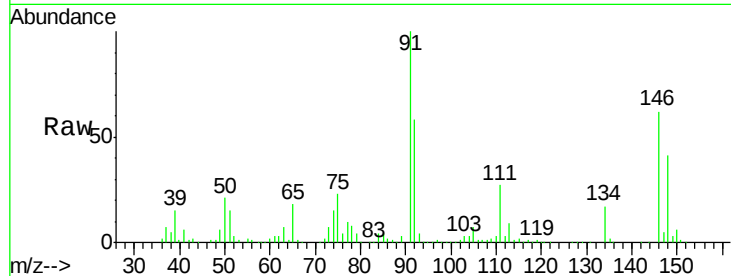




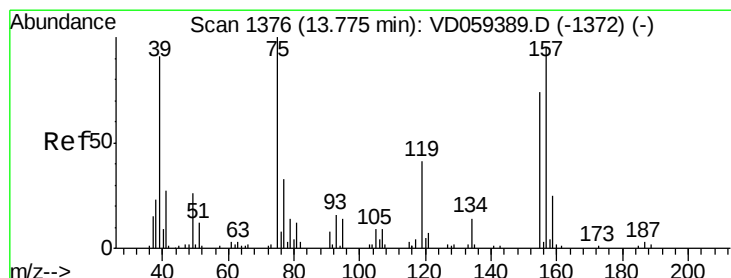
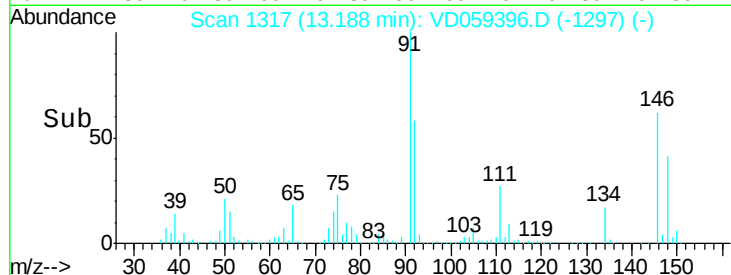
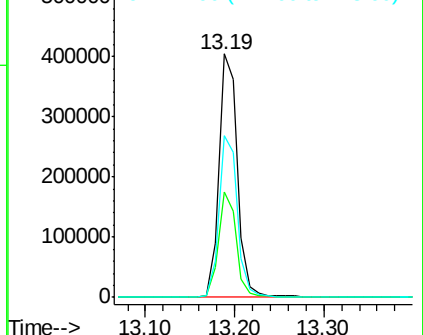
#91
 1,2-Dichlorobenzene
 Concen: 44.550 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 586136
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.4 64.2
 148 66.2 31.6 95.0

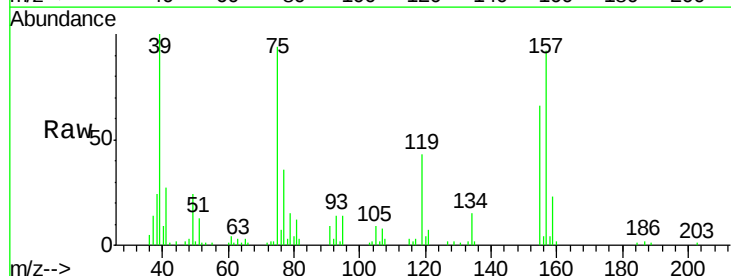


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

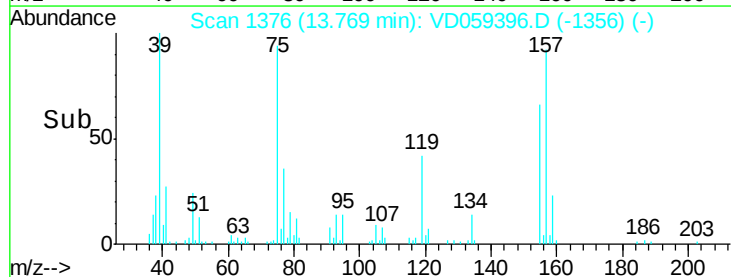
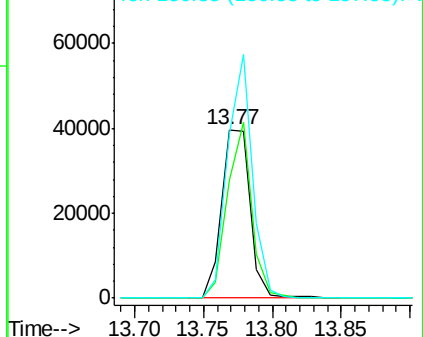


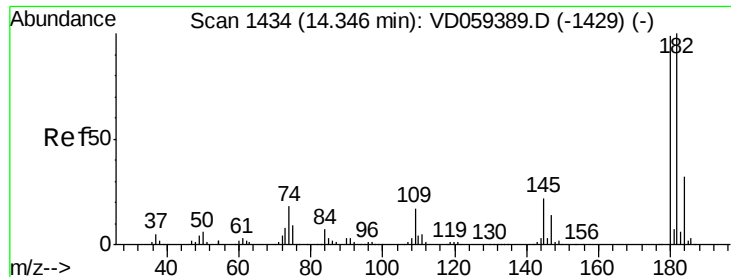
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.040 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion: 75 Resp: 56853
 Ion Ratio Lower Upper
 75 100
 155 70.2 37.2 111.6
 157 97.8 47.4 142.2



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

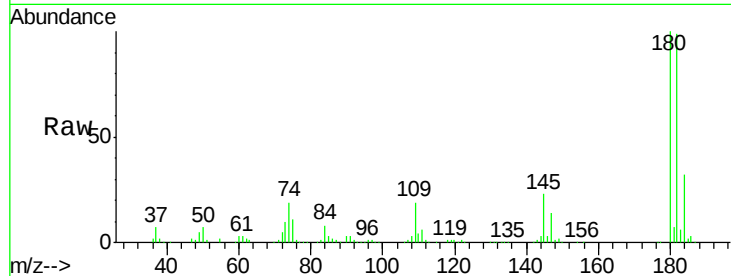




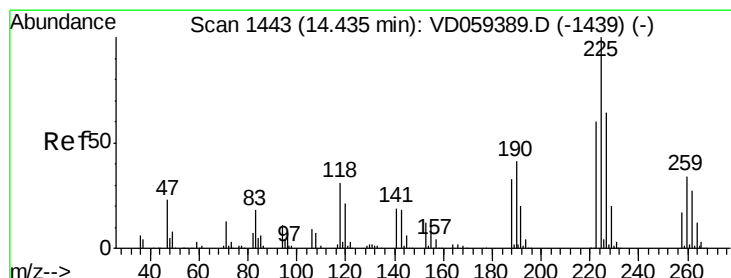
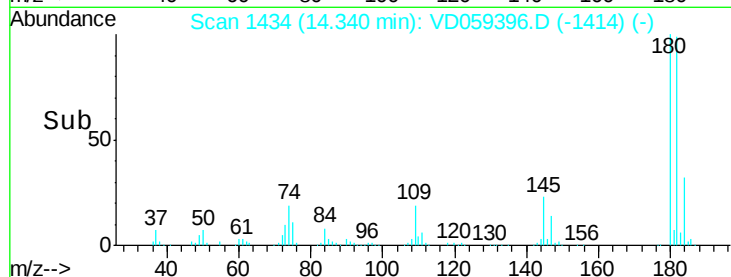
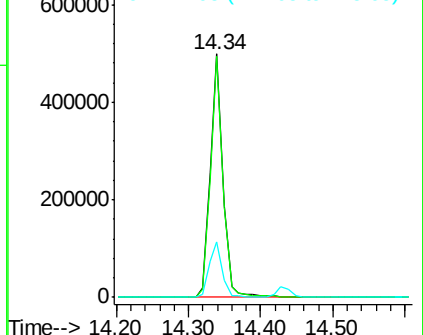
#93
 1,2,4-Trichlorobenzene
 Concen: 49.672 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 604202
 Ion Ratio Lower Upper
 180 100
 182 98.9 50.4 151.2
 145 22.8 11.0 33.0

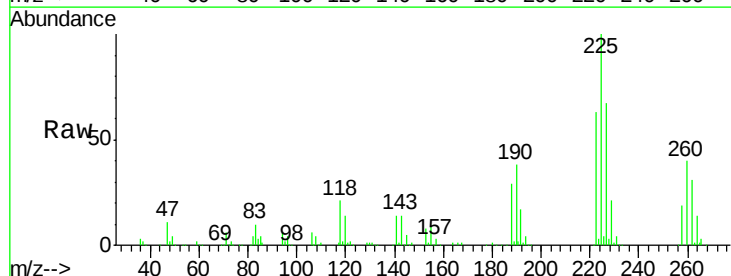


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

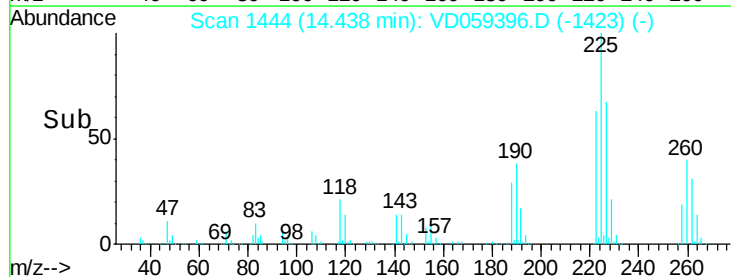
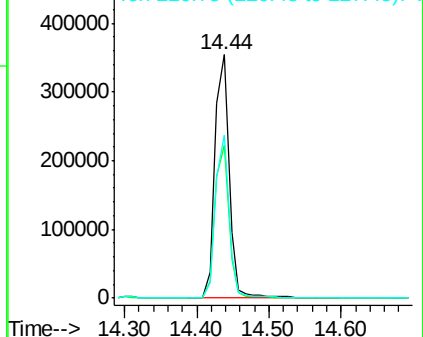


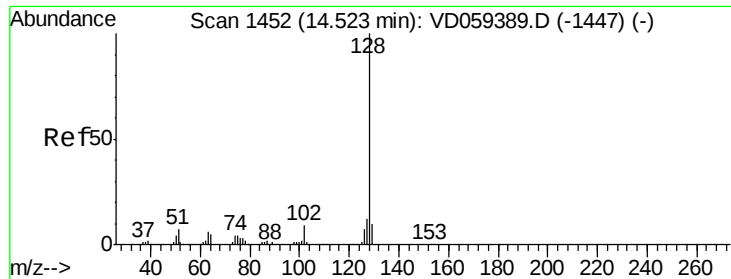
#94
 Hexachlorobutadiene
 Concen: 52.645 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion:225 Resp: 481864
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.0 90.1
 227 66.7 32.1 96.5



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





#95

Naphthalene

Concen: 47.453 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

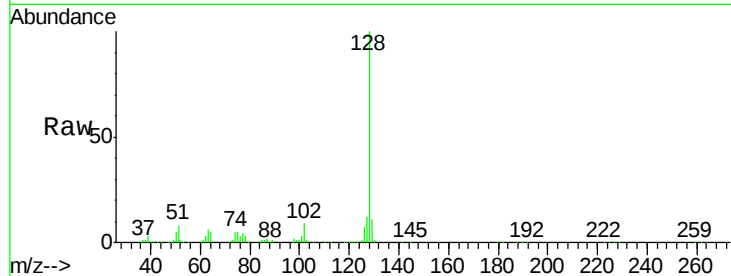
Tot Ion:128 Resp: 804463

Ion Ratio Lower Upper

128 100

127 12.2 9.6 14.4

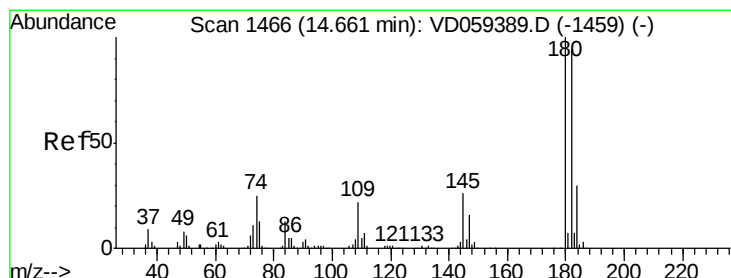
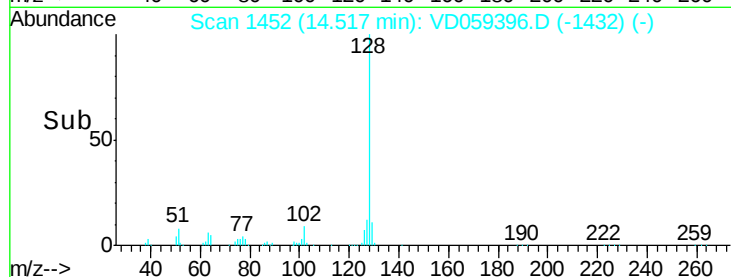
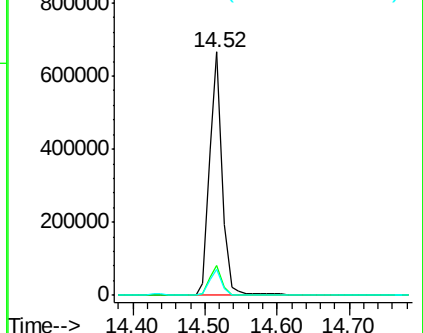
129 10.9 8.2 12.2



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: 48.845 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

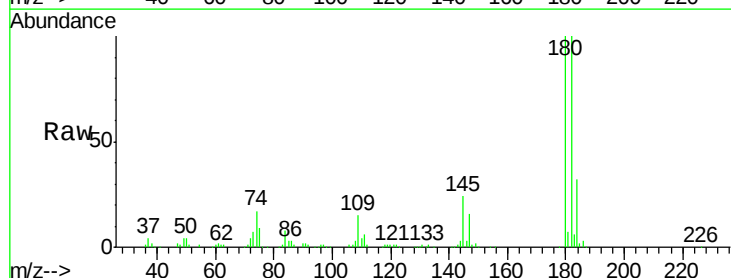
Tgt Ion:180 Resp: 534205

Ion Ratio Lower Upper

180 100

182 99.6 47.1 141.4

145 23.6 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

