

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059459.D
 Acq On : 27 Jun 2018 22:05
 Operator : VA/AP
 Sample : J3699-03MSD
 Misc : 11.33g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 03:00:54 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	5.64	168	707935	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.70	114	936152	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	674275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	261148	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	328125	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	
35) Dibromofluoromethane	5.55	113	338253	44.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.72%	
50) Toluene-d8	8.71	98	741761	41.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.22%	
62) 4-Bromofluorobenzene	11.93	95	275193	37.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	324837	51.573	ug/l	98
3) Chloromethane	1.48	50	153747	46.910	ug/l	90
4) Vinyl Chloride	1.56	62	156378	45.991	ug/l #	87
5) Bromomethane	1.79	94	80030	69.868	ug/l	92
6) Chloroethane	1.88	64	90920	68.170	ug/l	98
7) Trichlorofluoromethane	2.09	101	305028	62.213	ug/l	99
8) Diethyl Ether	2.34	74	58599	52.821	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.56	101	175502	57.601	ug/l	99
10) Methyl Iodide	2.70	142	175586	49.338	ug/l	98
11) Tert butyl alcohol	3.26	59	61196	244.339	ug/l	99
12) 1,1-Dichloroethene	2.55	96	131007	56.163	ug/l	82
13) Acrolein	2.47	56	2953	13.189	ug/l #	40
14) Allyl chloride	2.92	41	239664	44.887	ug/l	99
15) Acrylonitrile	3.38	53	210216	273.482	ug/l	98
16) Acetone	2.61	43	308757	337.917	ug/l	96
17) Carbon Disulfide	2.76	76	283907	39.739	ug/l	96
18) Methyl Acetate	2.93	43	145712	72.981	ug/l	94
19) Methyl tert-butyl Ether	3.41	73	654300	56.986	ug/l	97
20) Methylene Chloride	3.07	84	148637	59.112	ug/l	95
21) trans-1,2-Dichloroethene	3.39	96	211972	51.395	ug/l	98
22) Diisopropyl ether	4.08	45	1187094	59.092	ug/l #	77
23) Vinyl Acetate	4.08	43	593114	56.666	ug/l #	81
24) 1,1-Dichloroethane	3.98	63	665837	57.923	ug/l	98
25) 2-Butanone	4.83	43	535172	279.603	ug/l	98
26) 2,2-Dichloropropane	4.81	77	518855	58.203	ug/l	98
27) cis-1,2-Dichloroethene	4.81	96	333726	48.151	ug/l	98
28) Bromochloromethane	5.15	49	266966	53.569	ug/l	99
29) Tetrahydrofuran	5.19	42	257243	245.706	ug/l	96
30) Chloroform	5.33	83	684876	54.663	ug/l	96
31) Cyclohexane	5.59	56	355305	46.574	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	539956	53.220	ug/l	94
36) 1,1-Dichloropropene	5.75	75	422331	49.731	ug/l	95
37) Ethyl Acetate	4.92	43	214654	41.506	ug/l	99
38) Carbon Tetrachloride	5.73	117	422136	48.213	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	239917	29.787	ug/l	96
40) Benzene	6.02	78	1127385	55.321	ug/l	100
41) Methacrylonitrile	5.13	41	132157	53.054	ug/l	97
42) 1,2-Dichloroethane	6.13	62	452967	50.304	ug/l	97
43) Isopropyl Acetate	7.62	43	246504	37.955	ug/l #	99
44) Trichloroethene	6.98	130	372819	55.873	ug/l	99
45) 1,2-Dichloropropane	7.35	63	307893	54.549	ug/l	99
46) Dibromomethane	7.46	93	200410	49.371	ug/l	96
47) Bromodichloromethane	7.75	83	495244	54.525	ug/l #	96
48) Methyl methacrylate	7.50	41	195379	49.377	ug/l	97
49) 1,4-Dioxane	7.49	88	40497	1020.499	ug/l	94
51) 4-Methyl-2-Pentanone	8.61	43	1110066	256.493	ug/l	97
52) Toluene	8.80	92	528280	43.404	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	355523	46.841	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	434734	49.467	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	220798	49.967	ug/l	96
56) Ethyl methacrylate	9.31	69	237467	47.095	ug/l	96
57) 1,3-Dichloropropane	9.67	76	382139	52.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	651193	250.868	ug/l	95
59) 2-Hexanone	9.79	43	820017	266.590	ug/l	99
60) Dibromochloromethane	9.96	129	311776	50.384	ug/l	94
61) 1,2-Dibromoethane	10.10	107	232391	47.226	ug/l	99
64) Tetrachloroethene	9.52	164	443966	75.056	ug/l	97
65) Chlorobenzene	10.72	112	603382	48.939	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	269176	56.877	ug/l	97
67) Ethyl Benzene	10.86	91	1061938	51.044	ug/l	97
68) m/p-Xylenes	11.02	106	667905	96.762	ug/l	98
69) o-Xylene	11.41	106	344715	50.514	ug/l	99
70) Styrene	11.43	104	550582	47.068	ug/l	95
71) Bromoform	11.60	173	211516	53.949	ug/l #	96
73) Isopropylbenzene	11.78	105	856740	58.135	ug/l	96
74) N-amyl acetate	11.65	43	259238	46.235	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	190157	55.000	ug/l	94
76) 1,2,3-Trichloropropane	12.11	75	264239	73.356	ug/l	97
77) Bromobenzene	12.04	156	278552	60.055	ug/l	98
78) n-propylbenzene	12.16	91	1015353	54.400	ug/l	99
79) 2-Chlorotoluene	12.22	91	647040	59.031	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	628669	53.586	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	56971	69.584	ug/l	93
82) 4-Chlorotoluene	12.33	91	682248	54.891	ug/l	96
83) tert-Butylbenzene	12.57	119	490651	39.316	ug/l	90
84) 1,2,4-Trimethylbenzene	12.62	105	681632	54.900	ug/l	92
85) sec-Butylbenzene	12.76	105	651707	42.558	ug/l	96
86) p-Isopropyltoluene	12.89	119	543572	44.039	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	384792	50.427	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	354028	47.015	ug/l	97
89) n-Butylbenzene	13.19	91	448633	36.822	ug/l	97
90) Hexachloroethane	13.40	117	131857	42.818	ug/l	97
91) 1,2-Dichlorobenzene	13.19	146	346907	53.619	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	39180	68.725	ug/l	82

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QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration

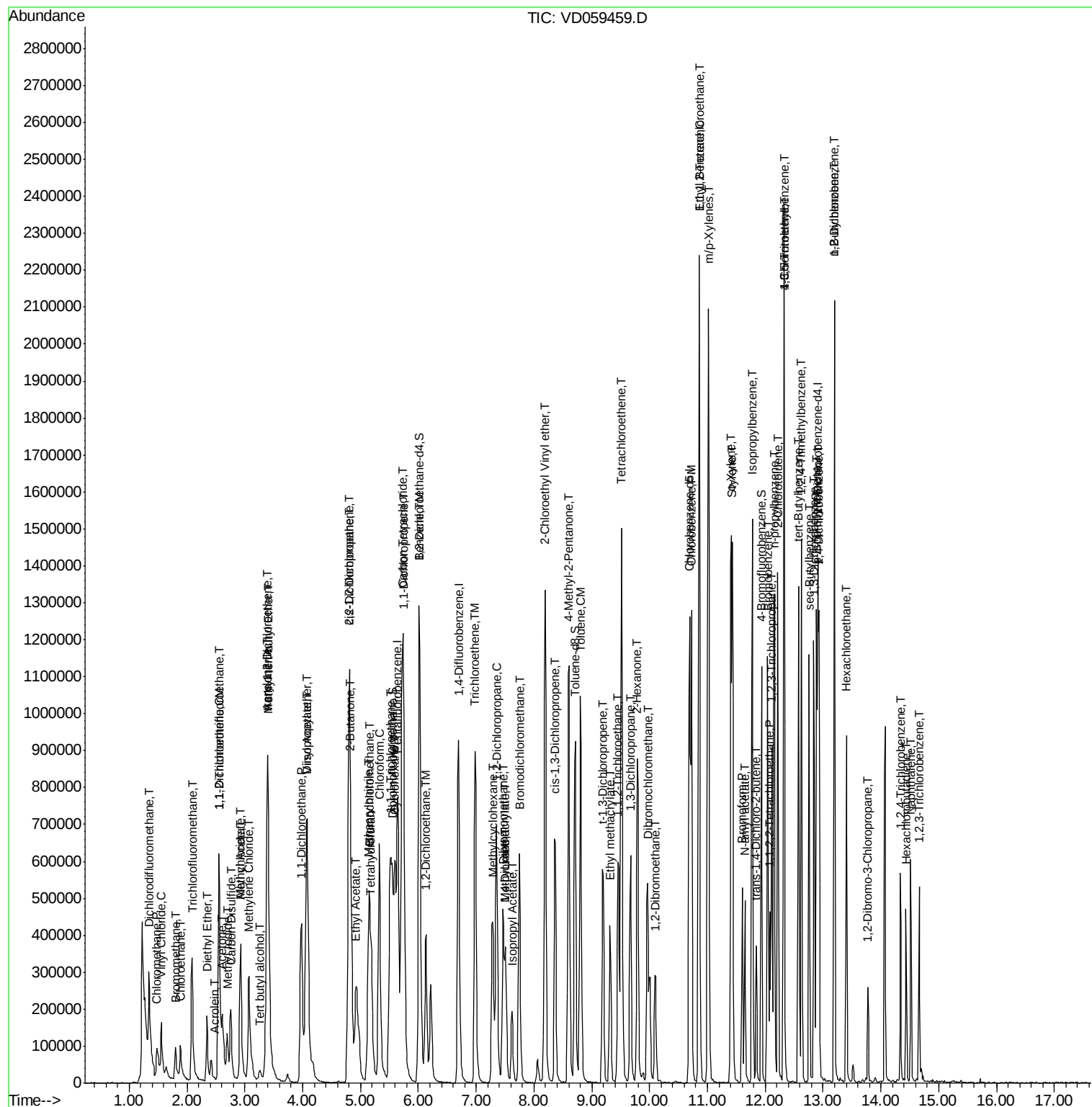
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	154527	25.834	ug/l	94
94) Hexachlorobutadiene	14.43	225	75139	16.694	ug/l	95
95) Naphthalene	14.51	128	340962	40.900	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	127537	23.714	ug/l	99

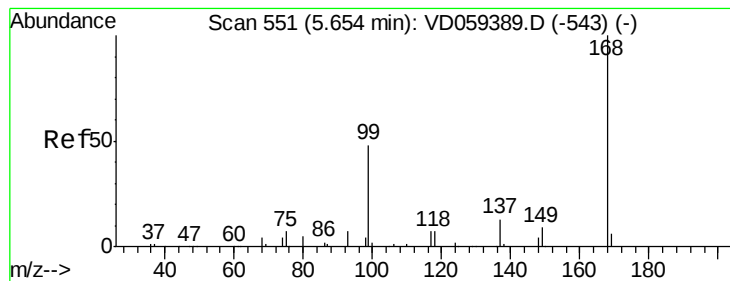
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062718\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

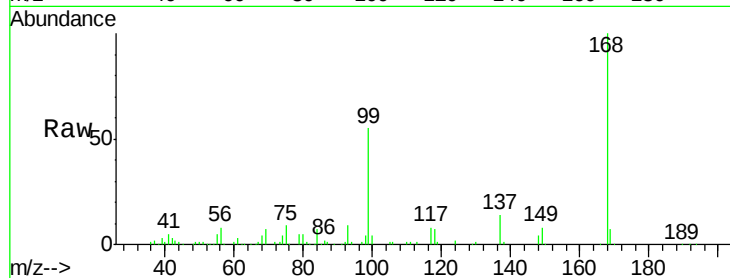
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 707935

Ion Ratio Lower Upper

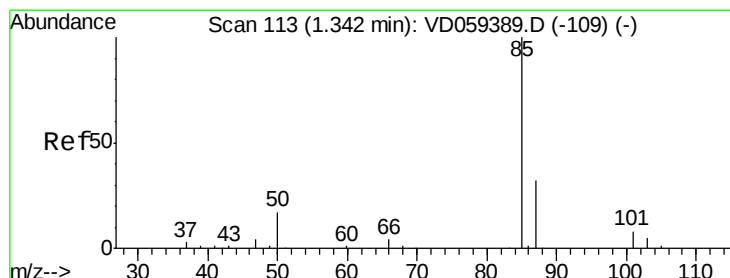
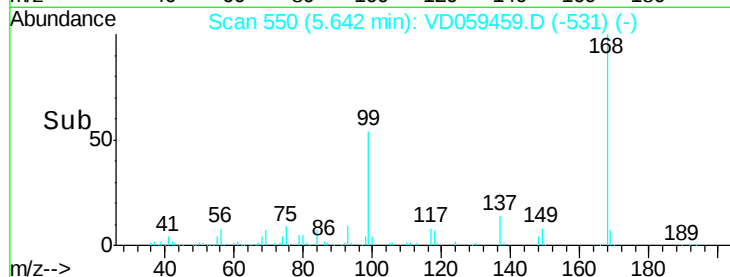
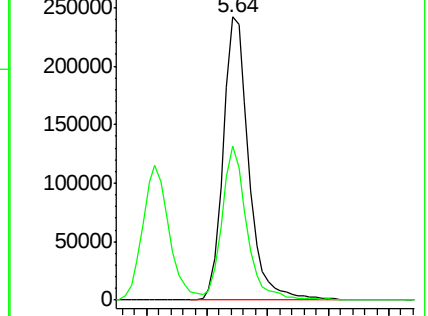
168 100

99 54.5 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.573 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.00 min

Lab File: VD059459.D

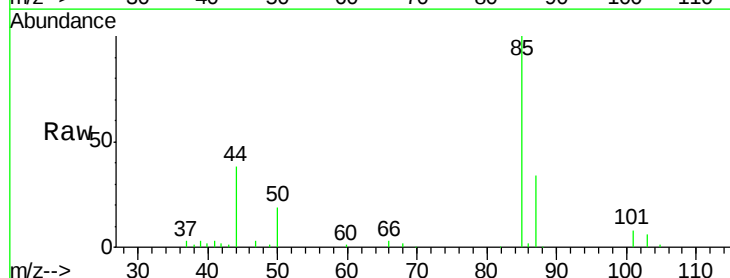
Acq: 27 Jun 2018 22:05

Tgt Ion: 85 Resp: 324837

Ion Ratio Lower Upper

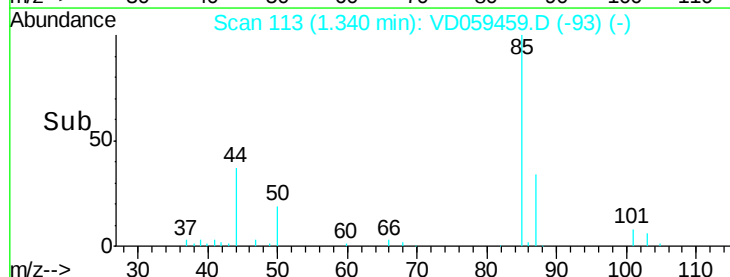
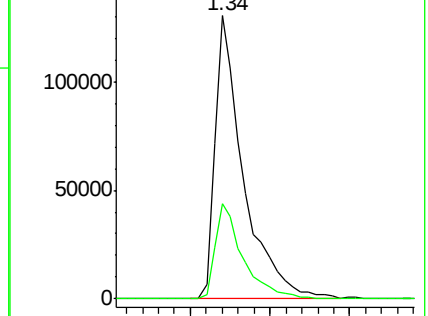
85 100

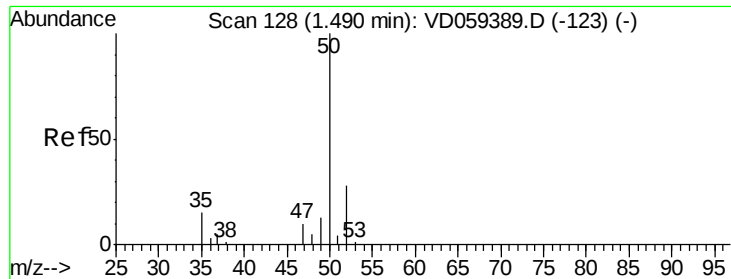
87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

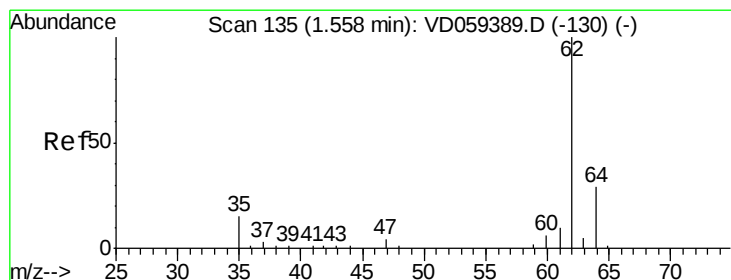
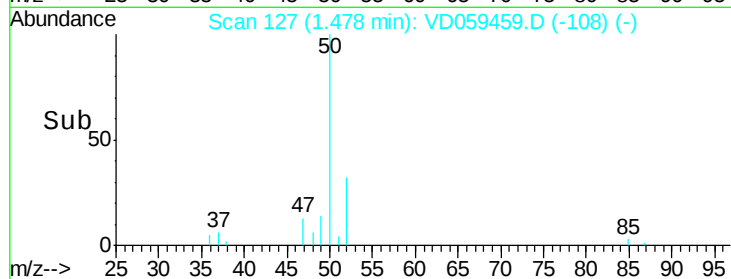
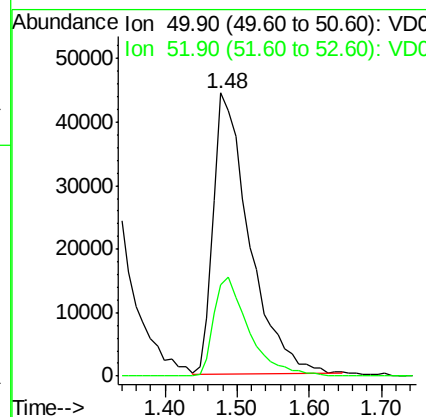
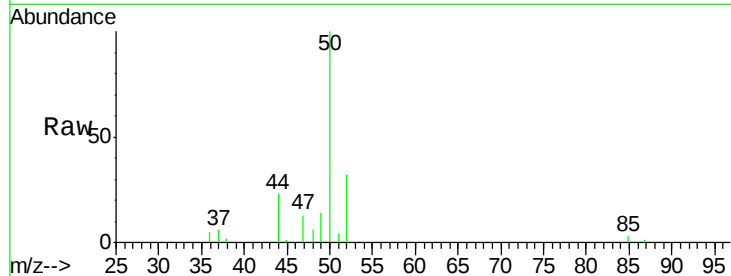




#3
Chloromethane
Concen: 46.910 ug/l
RT: 1.48 min Scan# 127
Delta R.T. -0.01 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

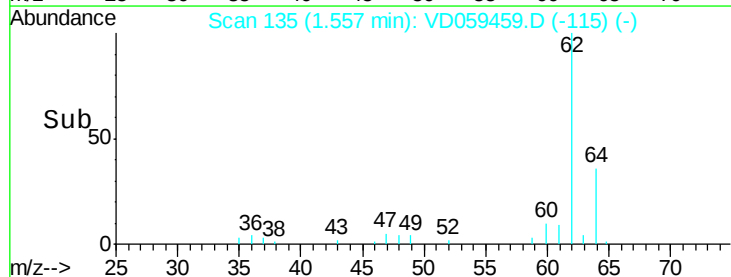
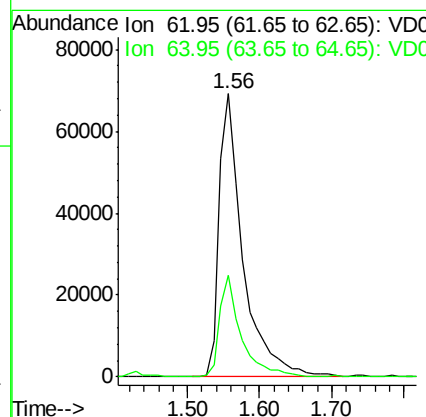
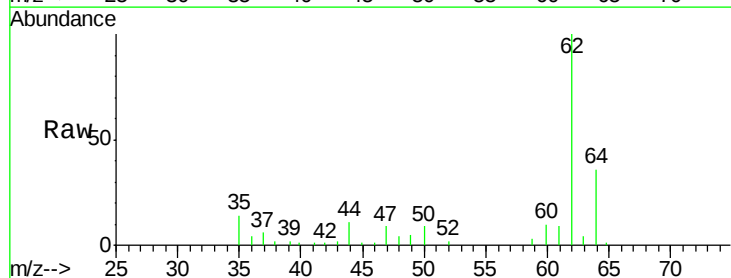
Instrument :
MSVOA_D
ClientSampleId :

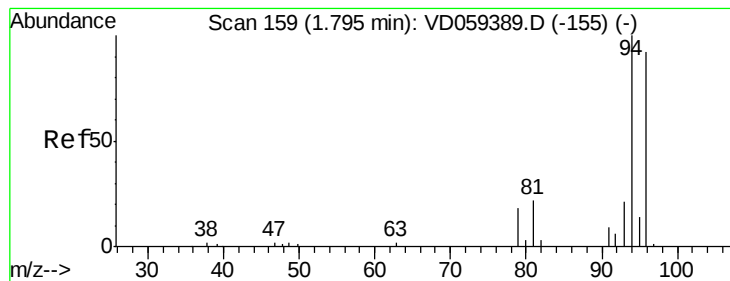
Tot Ion: 50 Resp: 153747
Ion Ratio Lower Upper
50 100
52 32.4 21.8 32.8



#4
Vinyl Chloride
Concen: 45.991 ug/l
RT: 1.56 min Scan# 135
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Tgt Ion: 62 Resp: 156378
Ion Ratio Lower Upper
62 100
64 35.7 23.0 34.6#





#5

Bromomethane

Concen: 69.868 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

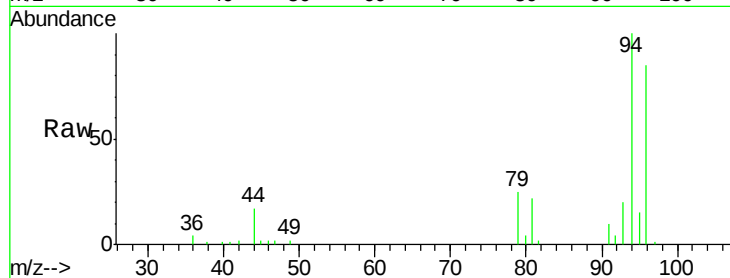
ClientSampleId :

Tot Ion: 94 Resp: 80030

Ion Ratio Lower Upper

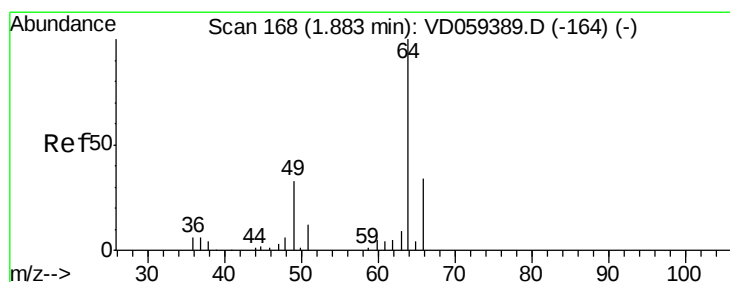
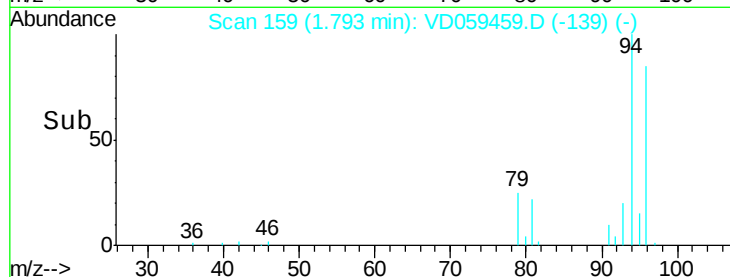
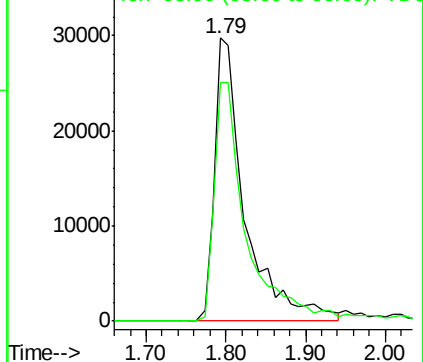
94 100

96 84.5 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: 68.170 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.00 min

Lab File: VD059459.D

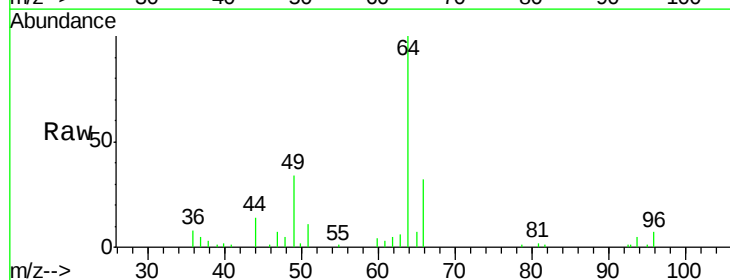
Acq: 27 Jun 2018 22:05

Tgt Ion: 64 Resp: 90920

Ion Ratio Lower Upper

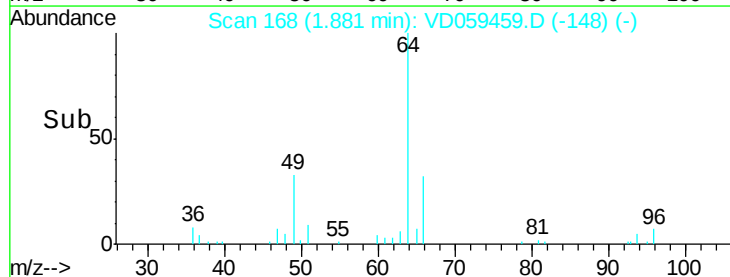
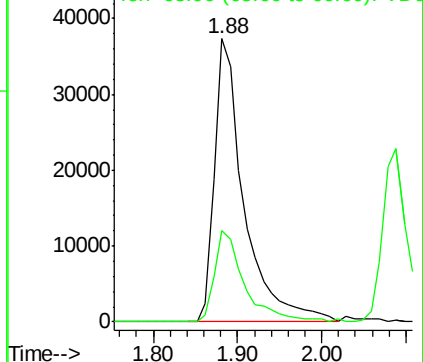
64 100

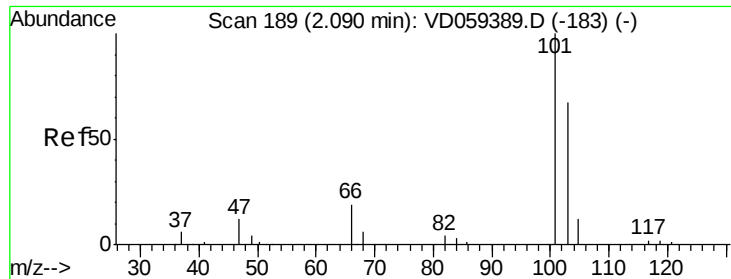
66 32.5 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



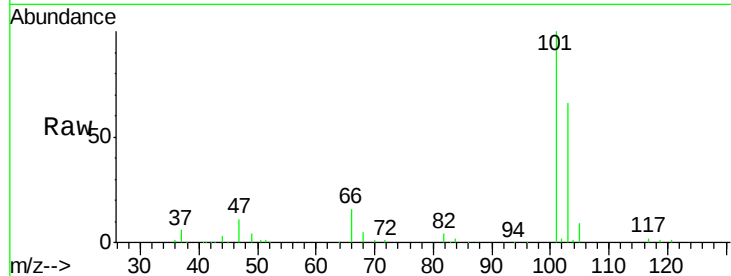


#7

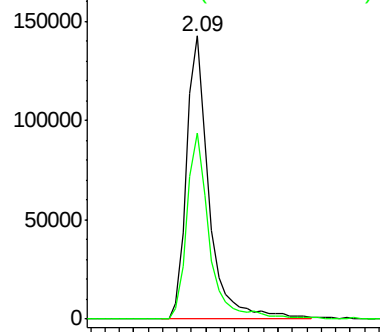
Trichlorofluoromethane
 Concen: 62.213 ug/l
 RT: 2.09 min Scan# 189
 Delta R.T. -0.00 min
 Lab File: VD059459.D
 Acq: 27 Jun 2018 22:05

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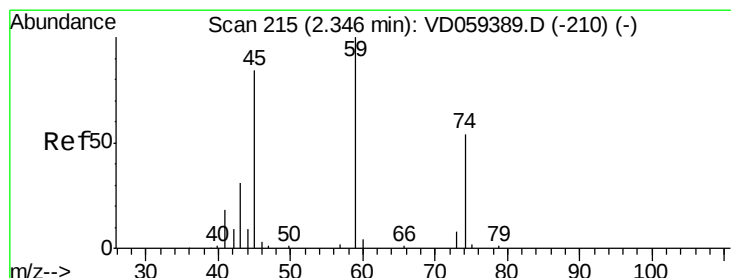
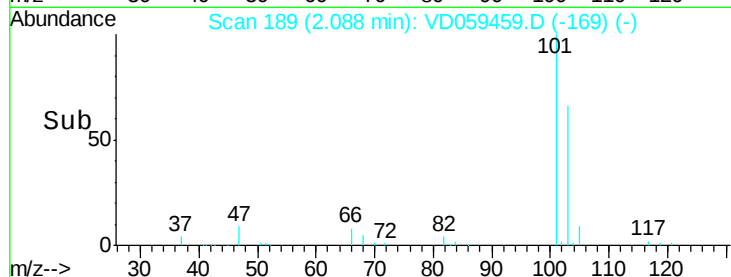
Tot Ion:101 Resp: 305028
 Ion Ratio Lower Upper
 101 100
 103 65.7 53.4 80.0



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



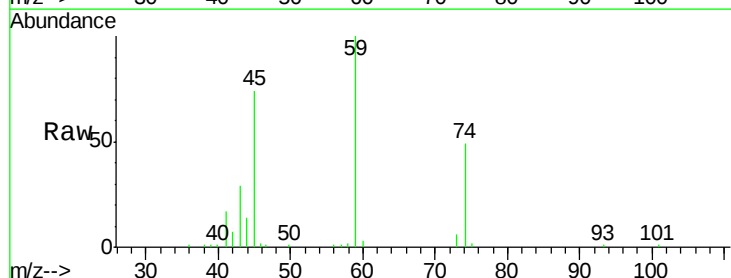
Time-->



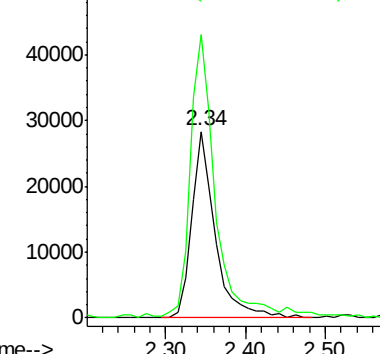
#8

Diethyl Ether
 Concen: 52.821 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.00 min
 Lab File: VD059459.D
 Acq: 27 Jun 2018 22:05

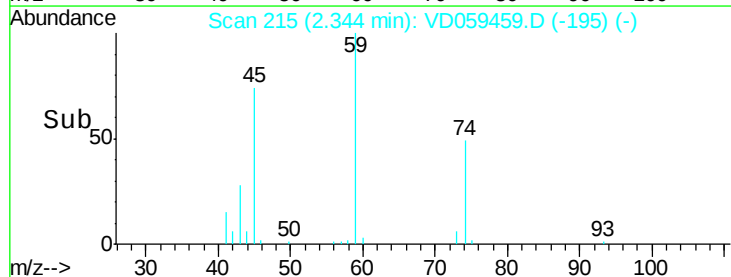
Tgt Ion: 74 Resp: 58599
 Ion Ratio Lower Upper
 74 100
 45 151.6 78.0 233.8

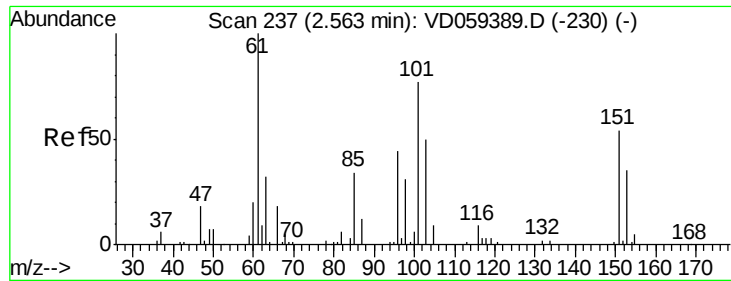


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.601 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

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ClientSampled :

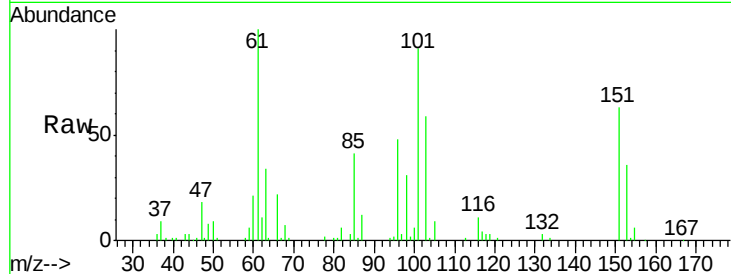
Tot Ion:101 Resp: 175502

Ion Ratio Lower Upper

101 100

85 45.7 35.7 53.5

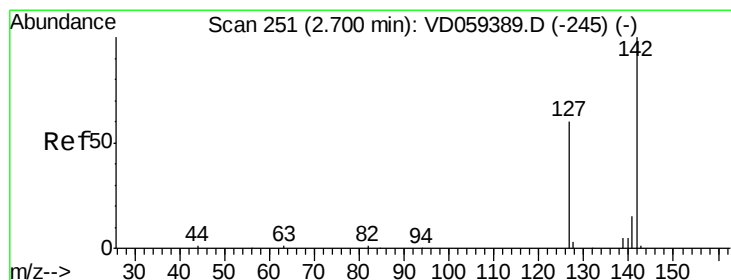
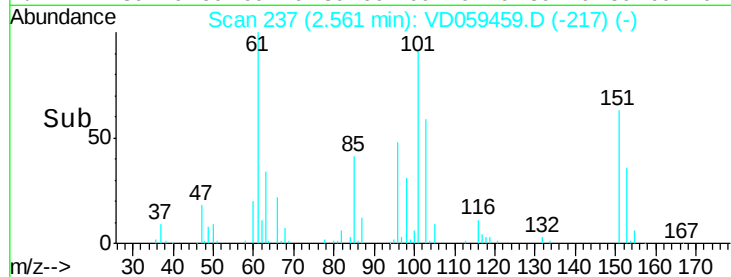
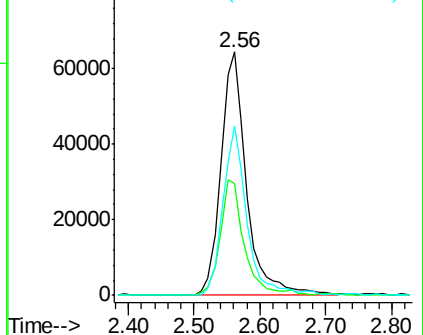
151 69.5 55.8 83.8



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: 49.338 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

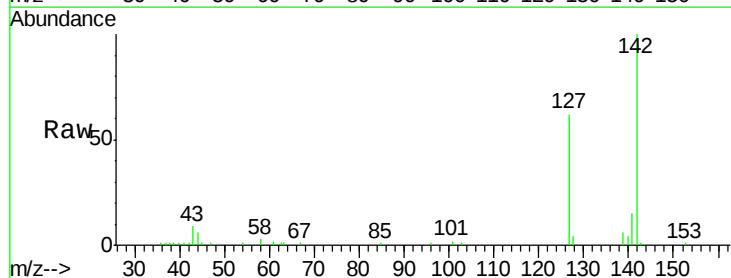
Tgt Ion:142 Resp: 175586

Ion Ratio Lower Upper

142 100

127 62.3 48.4 72.6

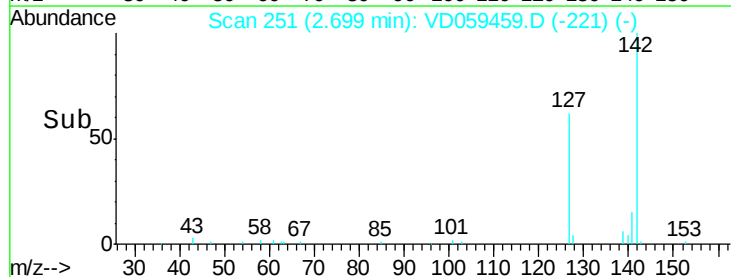
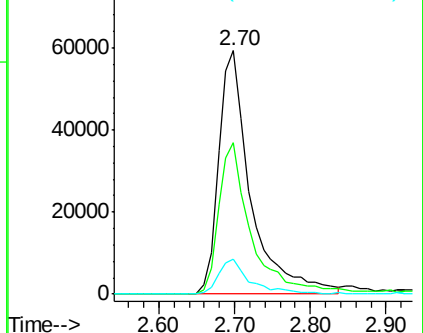
141 14.6 12.1 18.1

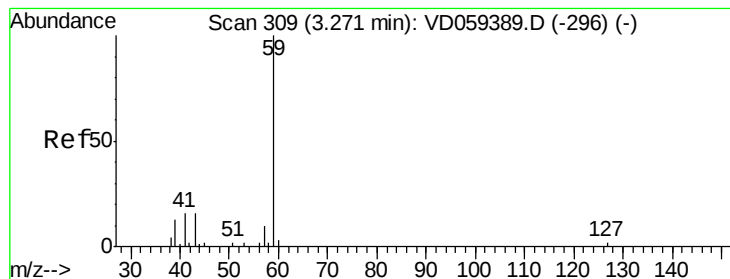


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



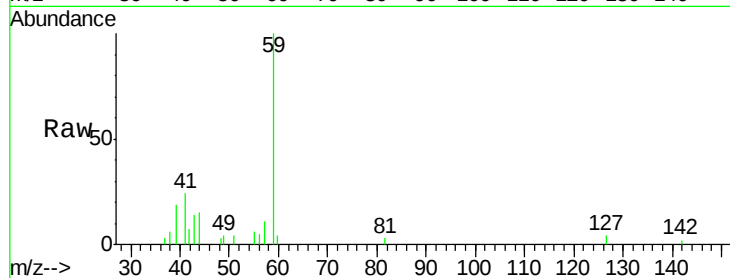


#11

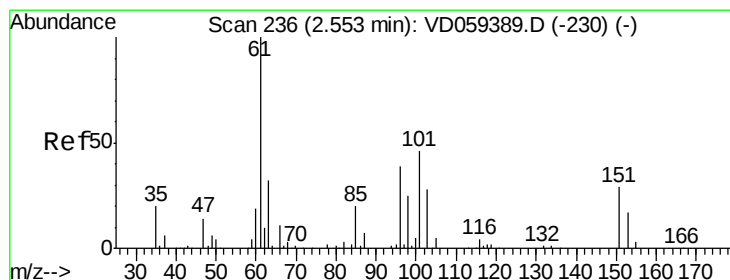
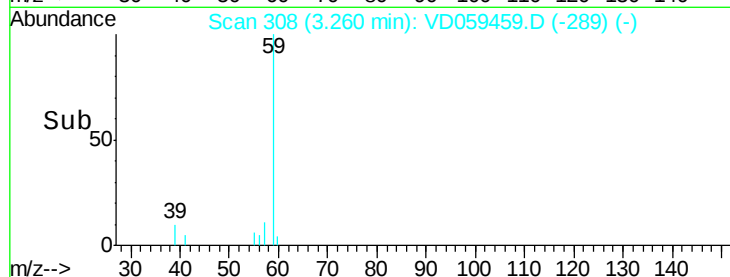
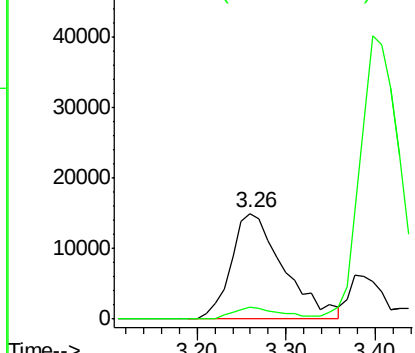
Tert butyl alcohol
 Concen: 244.339 ug/l
 RT: 3.26 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VD059459.D
 Acq: 27 Jun 2018 22:05

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 61196
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.3 12.5



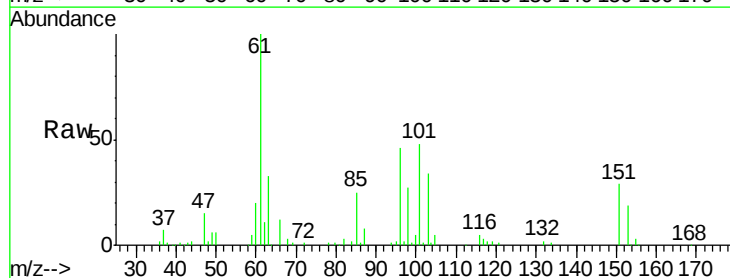
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



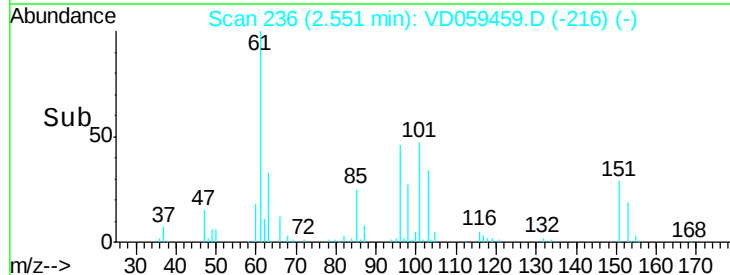
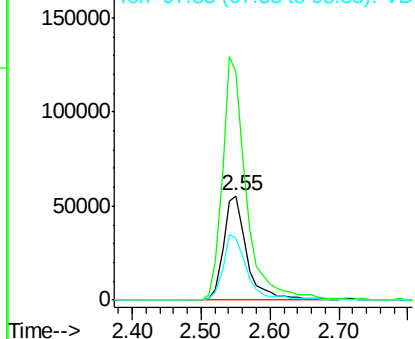
#12

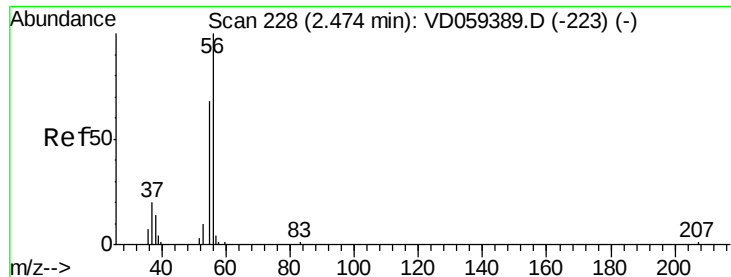
1,1-Dichloroethene
 Concen: 56.163 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.00 min
 Lab File: VD059459.D
 Acq: 27 Jun 2018 22:05

Tgt Ion: 96 Resp: 131007
 Ion Ratio Lower Upper
 96 100
 61 219.2 205.4 308.0
 98 59.6 51.0 76.4



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





#13

Acrolein

Concen: 13.189 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

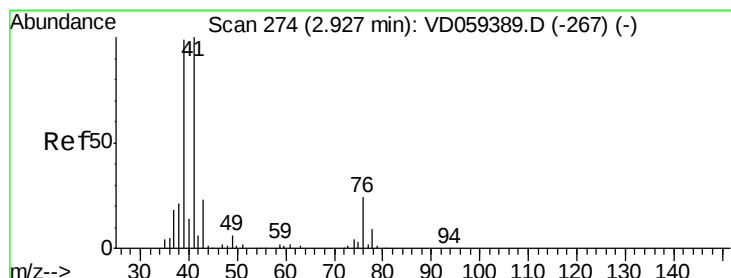
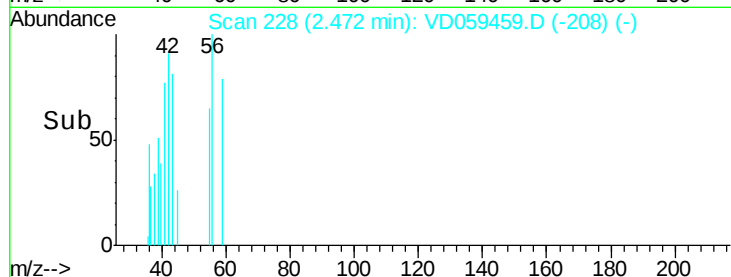
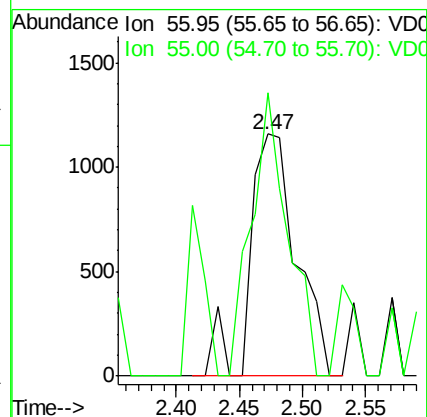
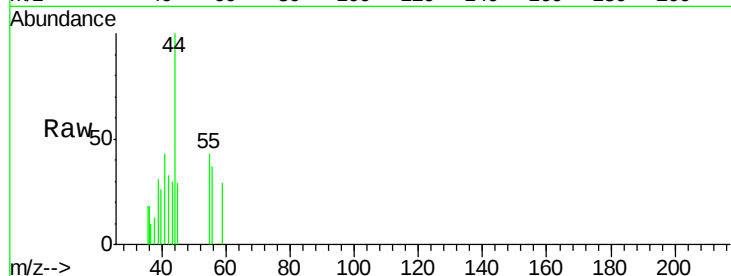
ClientSampleId :

Tot Ion: 56 Resp: 2953

Ion Ratio Lower Upper

56 100

55 116.9 54.6 82.0#



#14

Allyl chloride

Concen: 44.887 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

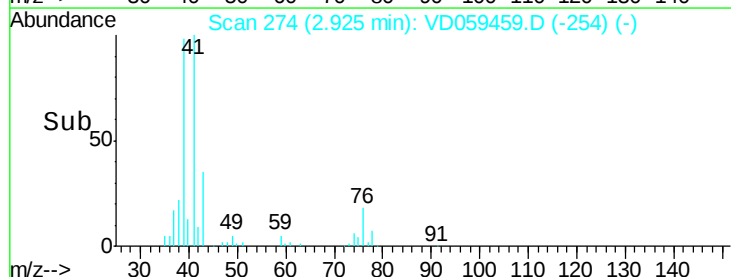
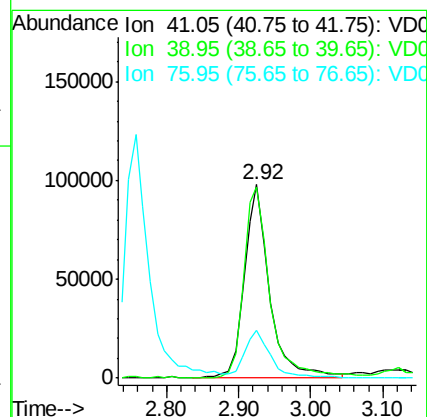
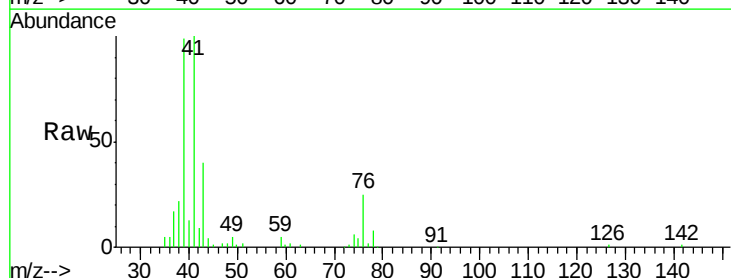
Tgt Ion: 41 Resp: 239664

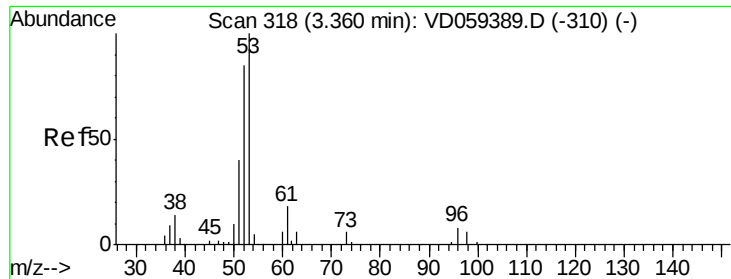
Ion Ratio Lower Upper

41 100

39 98.6 79.1 118.7

76 24.6 21.9 32.9





#15

Acrylonitrile

Concen: 273.482 ug/l

RT: 3.38 min Scan# 320

Delta R.T. 0.02 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :
MSVOA_D
ClientSampleID :

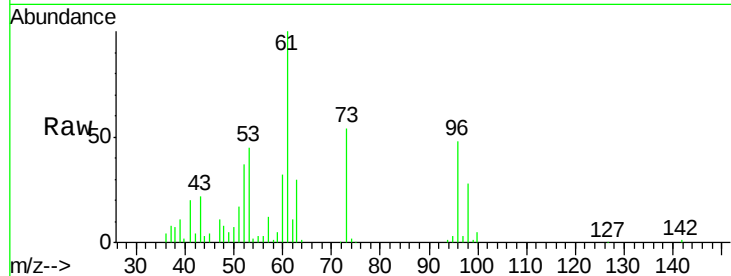
Tot Ion: 53 Resp: 210216

Ion Ratio Lower Upper

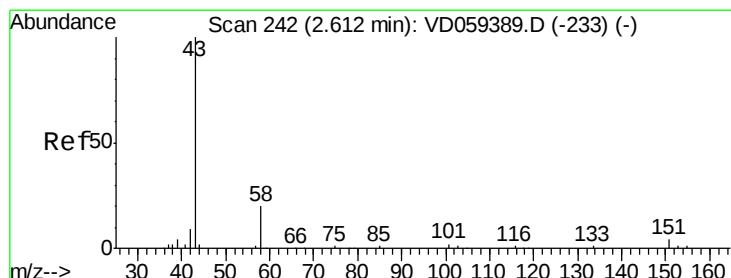
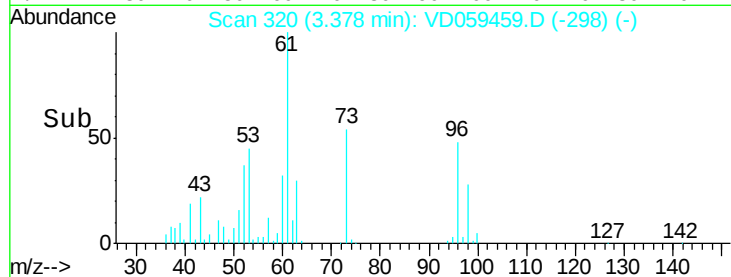
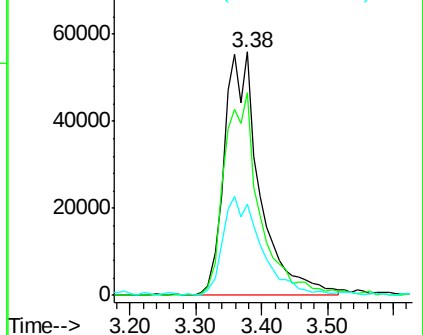
53 100

52 83.4 67.9 101.9

51 37.7 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: 337.917 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD059459.D

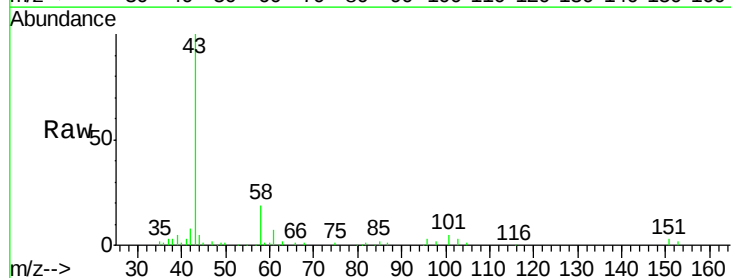
Acq: 27 Jun 2018 22:05

Tgt Ion: 43 Resp: 308757

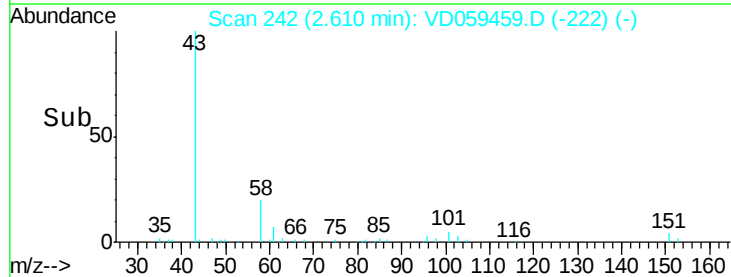
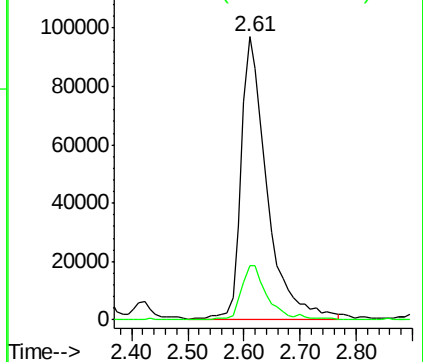
Ion Ratio Lower Upper

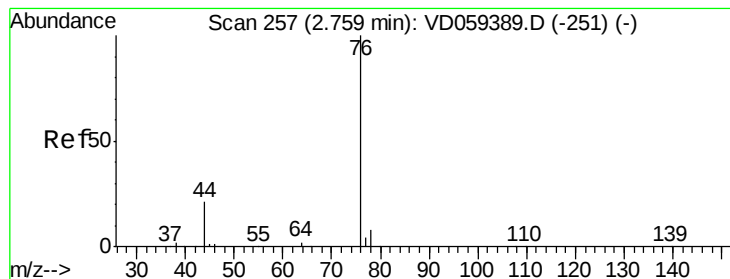
43 100

58 19.2 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: 39.739 ug/l

RT: 2.76 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

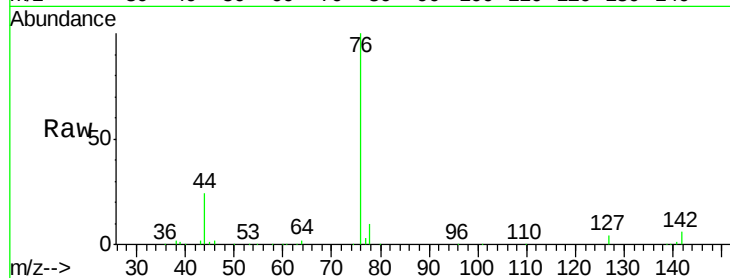
ClientSampleId :

Tot Ion: 76 Resp: 283907

Ion Ratio Lower Upper

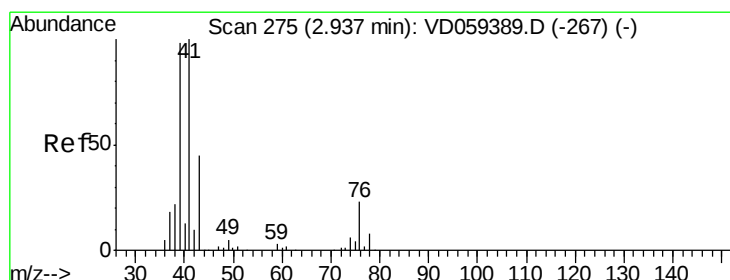
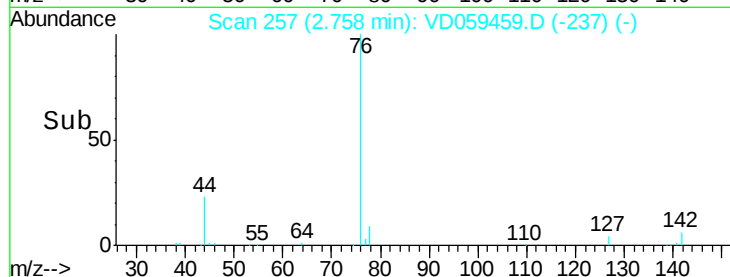
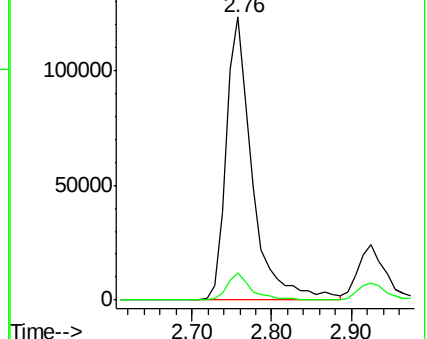
76 100

78 9.7 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: 72.981 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.00 min

Lab File: VD059459.D

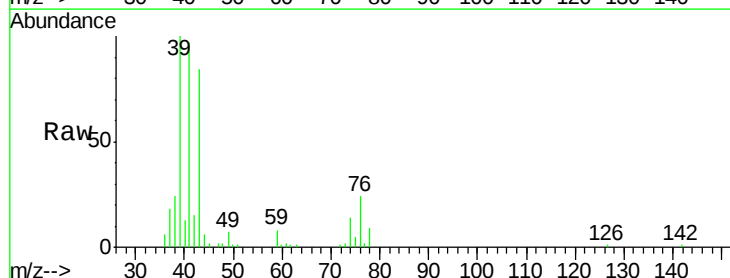
Acq: 27 Jun 2018 22:05

Tgt Ion: 43 Resp: 145712

Ion Ratio Lower Upper

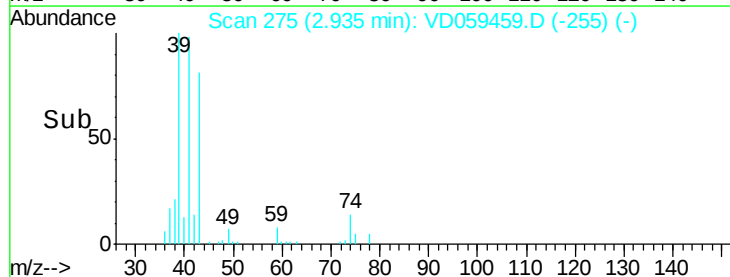
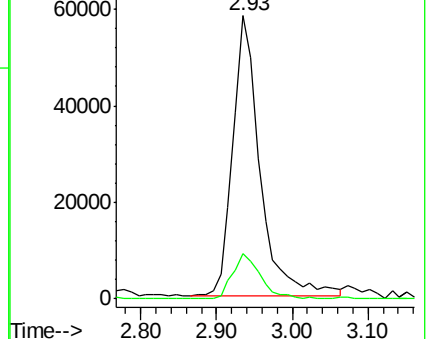
43 100

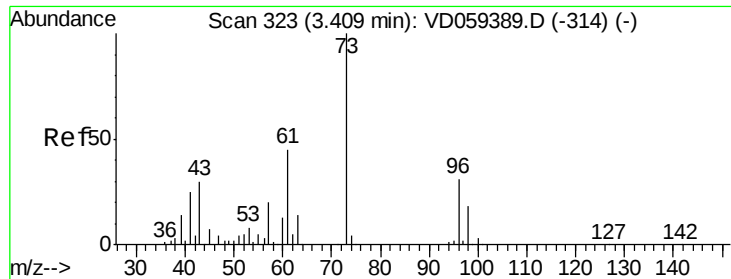
74 16.1 11.0 16.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

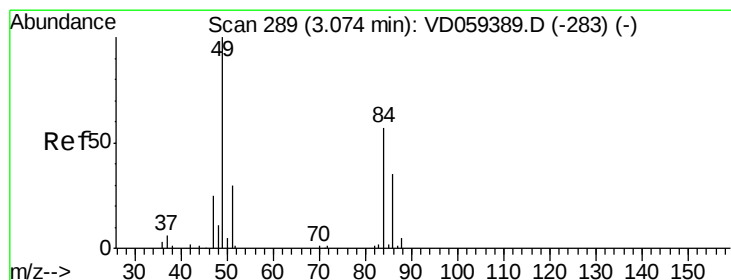
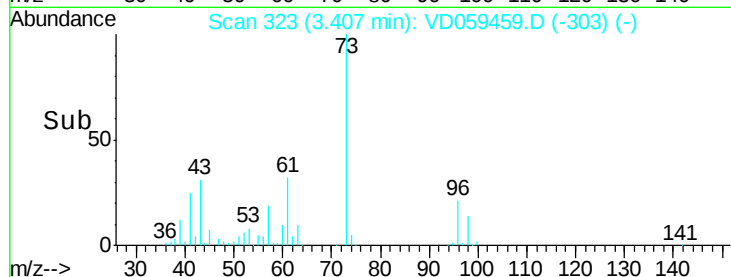
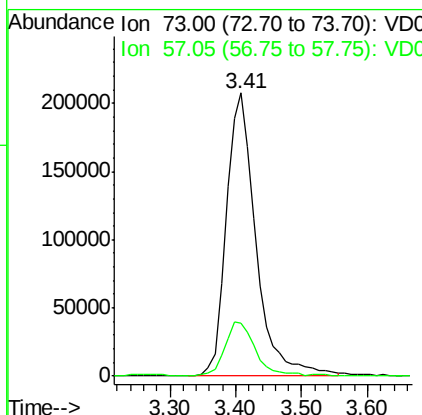
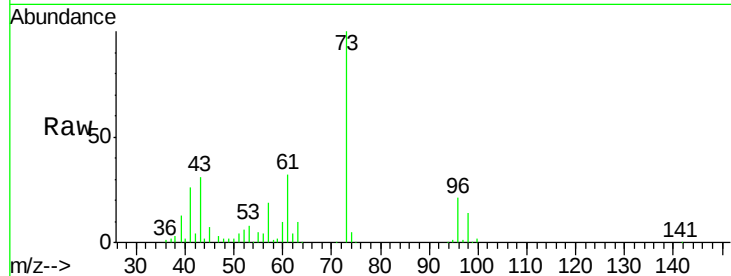




#19
Methvl tert-butvl Ether
Concen: 56.986 ug/l
RT: 3.41 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

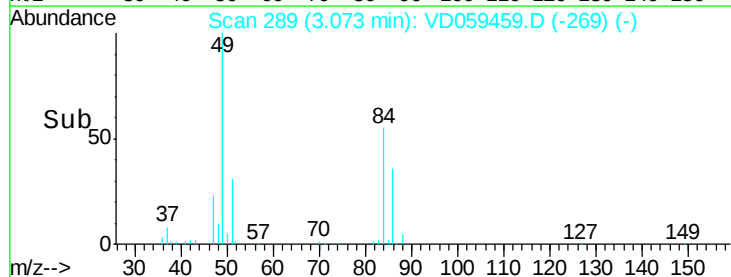
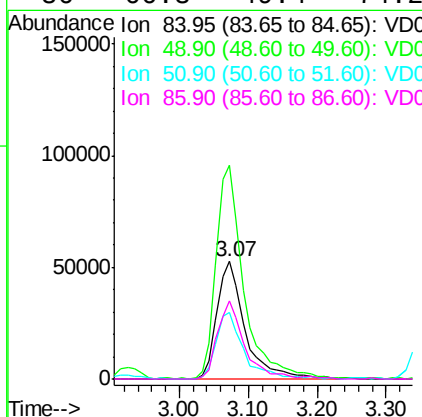
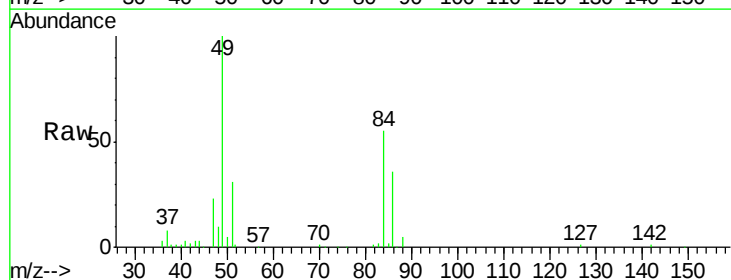
Instrument :
MSVOA_D
ClientSampleId :

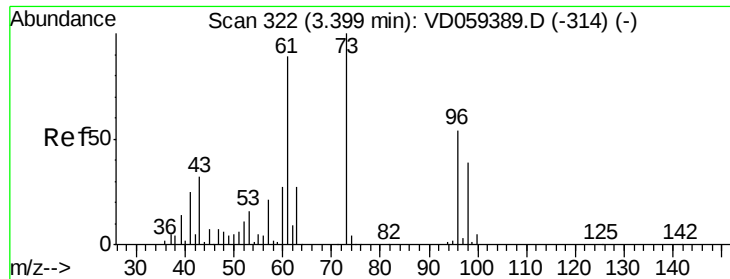
Tot Ion: 73 Resp: 654300
Ion Ratio Lower Upper
73 100
57 18.7 16.1 24.1



#20
Methylene Chloride
Concen: 59.112 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Tgt Ion: 84 Resp: 148637
Ion Ratio Lower Upper
84 100
49 181.7 140.3 210.5
51 56.8 41.6 62.4
86 66.3 49.4 74.2

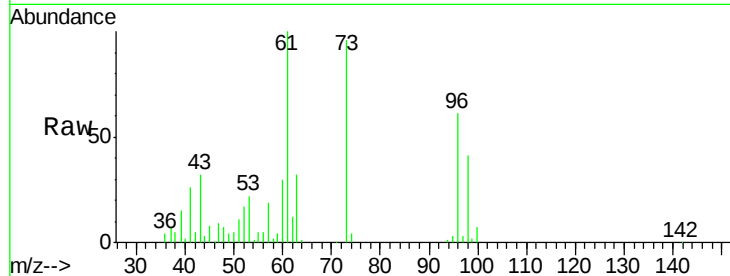




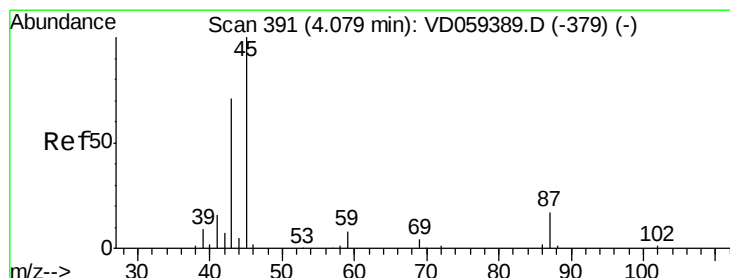
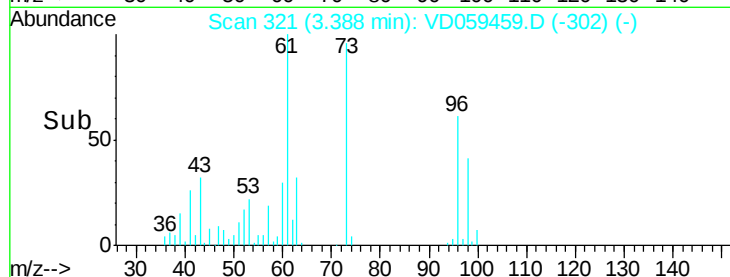
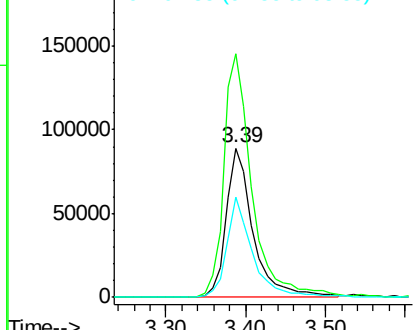
#21
trans-1,2-Dichloroethene
Concen: 51.395 ug/l
RT: 3.39 min Scan# 321
Delta R.T. -0.01 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 211972
Ion Ratio Lower Upper
96 100
61 163.3 131.0 196.4
98 66.9 56.8 85.2

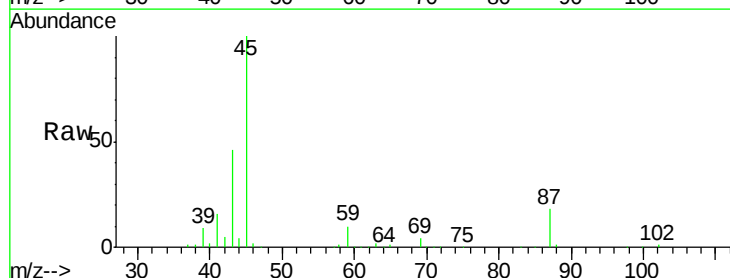


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

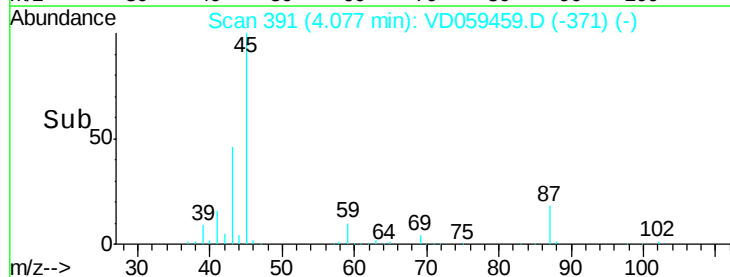
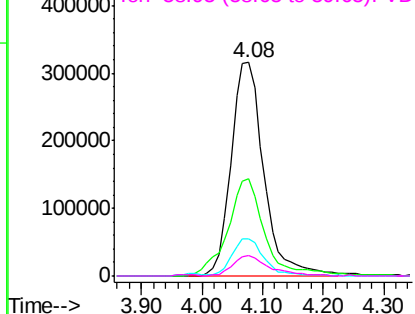


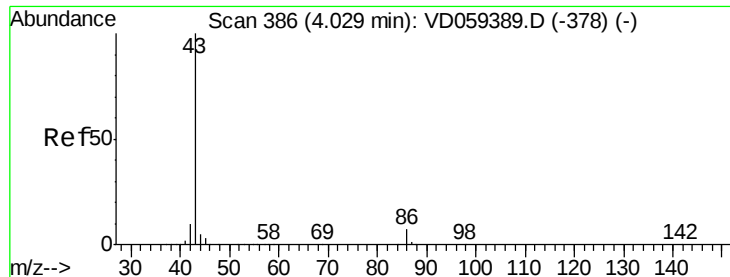
#22
Diisopropyl ether
Concen: 59.092 ug/l
RT: 4.08 min Scan# 391
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Tgt Ion: 45 Resp: 1187094
Ion Ratio Lower Upper
45 100
43 45.7 56.9 85.3#
87 17.6 14.2 21.4
59 9.7 7.0 10.4



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





#23

Vinyl Acetate

Concen: 56.666 ug/l

RT: 4.08 min Scan# 391

Delta R.T. 0.05 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

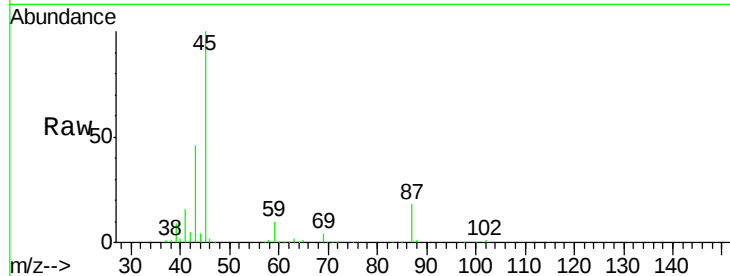
ClientSampleId :

Tot Ion: 43 Resp: 593114

Ion Ratio Lower Upper

43 100

86 0.0 5.2 7.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.08

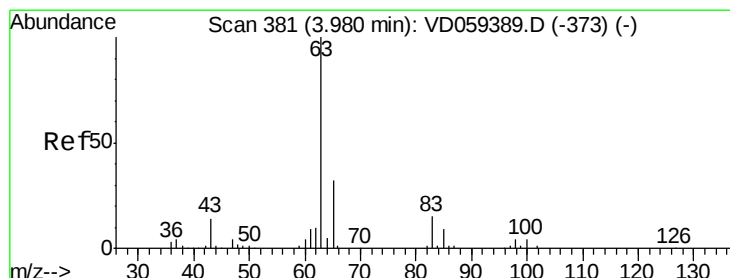
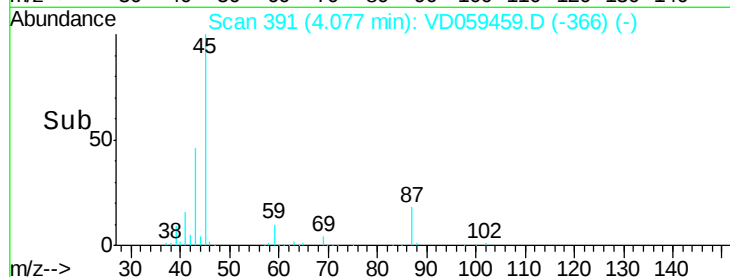
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 57.923 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

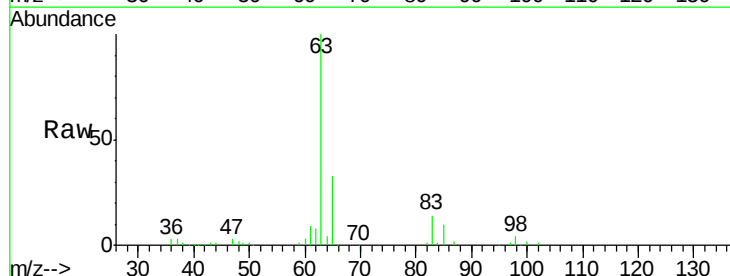
Tgt Ion: 63 Resp: 665837

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

100 2.1 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

3.98

250000

200000

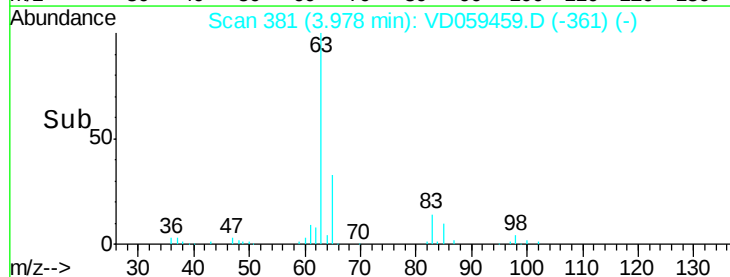
150000

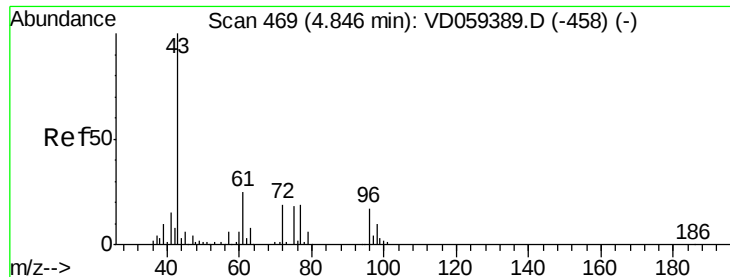
100000

50000

0

Time-->





#25

2-Butanone

Concen: 279.603 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

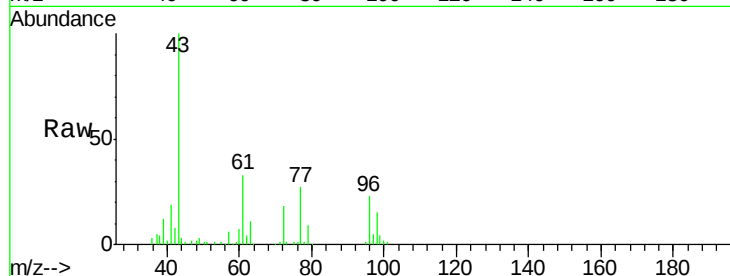
ClientSampleId :

Tot Ion: 43 Resp: 535172

Ion Ratio Lower Upper

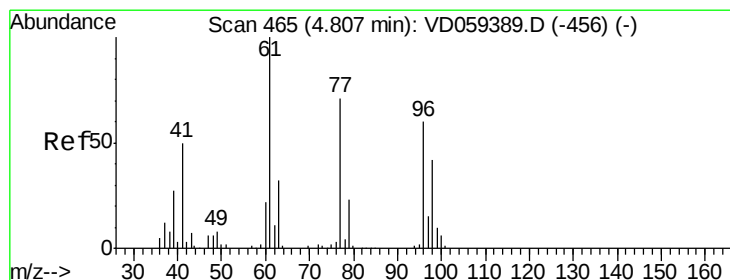
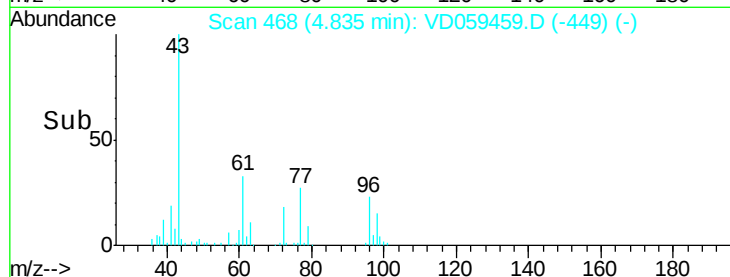
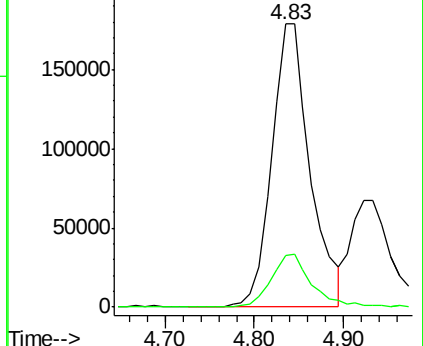
43 100

72 18.2 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: 58.203 ug/l

RT: 4.81 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059459.D

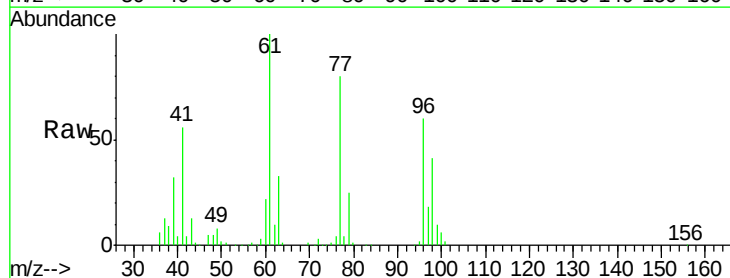
Acq: 27 Jun 2018 22:05

Tgt Ion: 77 Resp: 518855

Ion Ratio Lower Upper

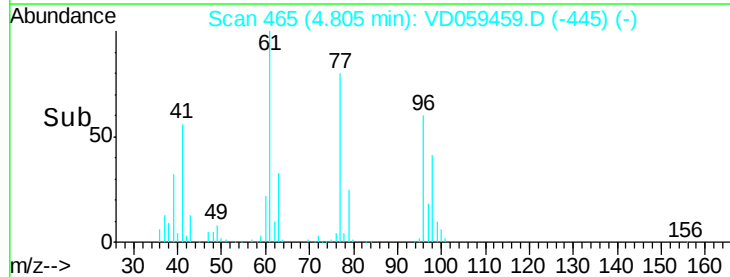
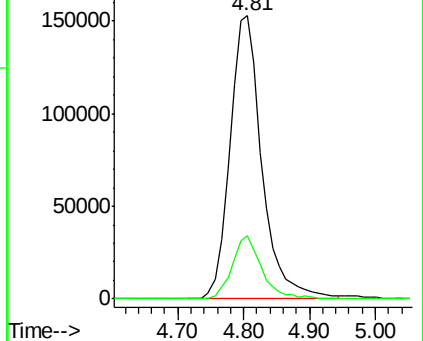
77 100

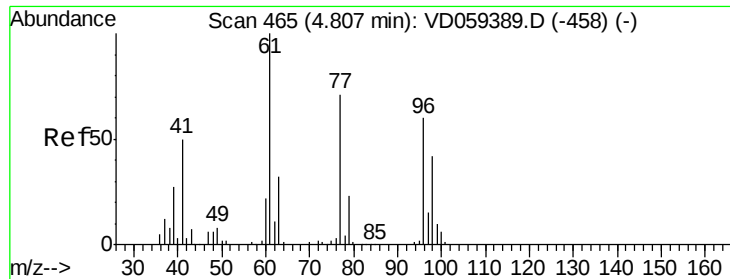
97 22.2 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



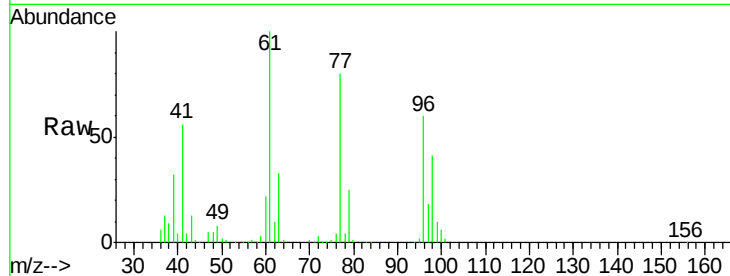


#27

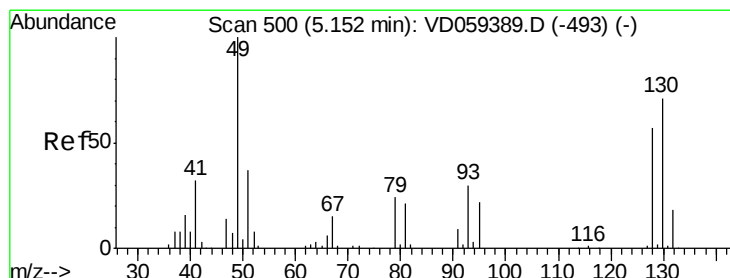
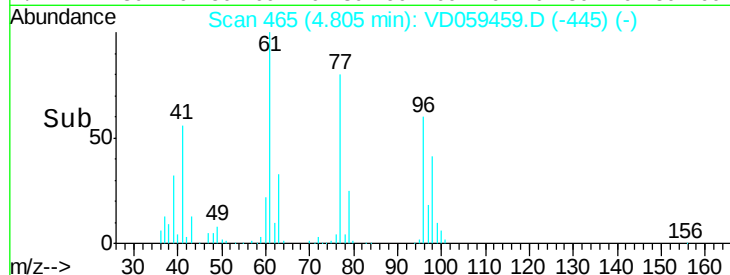
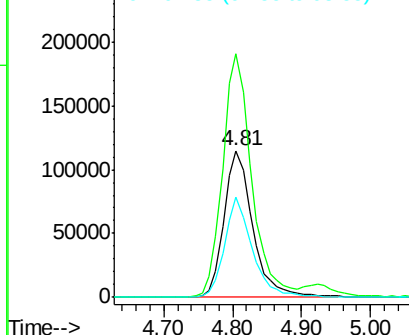
cis-1,2-Dichloroethene
Concen: 48.151 ug/l
RT: 4.81 min Scan# 465
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 333726
Ion Ratio Lower Upper
96 100
61 165.9 0.0 335.8
98 68.0 0.0 141.0



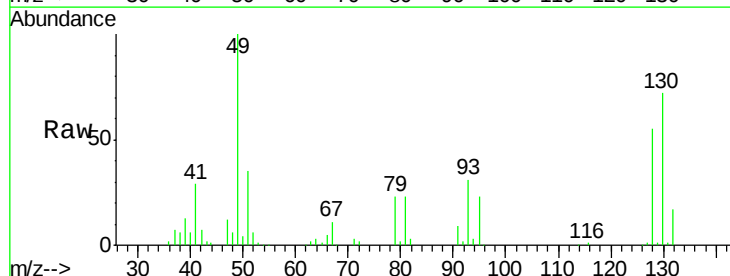
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



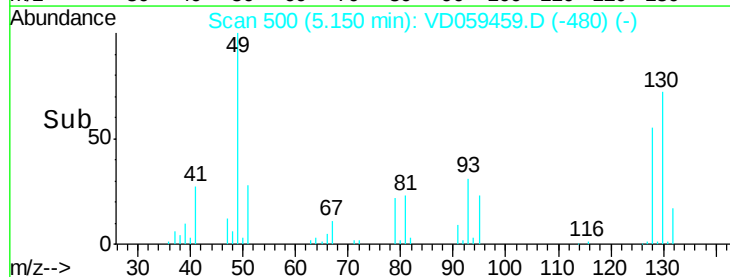
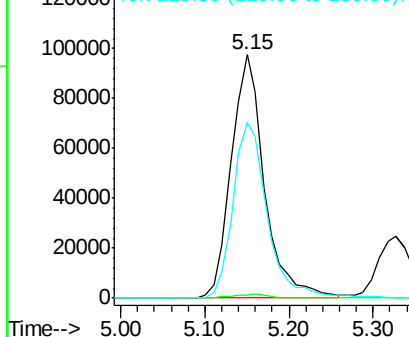
#28

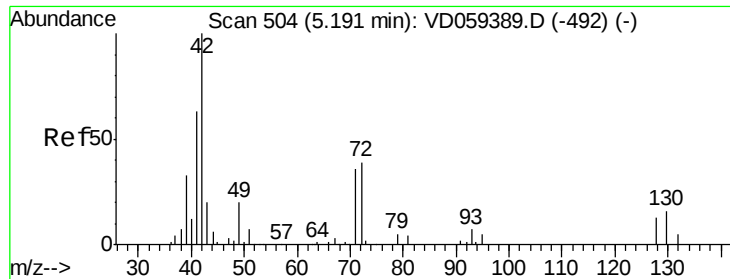
Bromochloromethane
Concen: 53.569 ug/l
RT: 5.15 min Scan# 500
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Tgt Ion: 49 Resp: 266966
Ion Ratio Lower Upper
49 100
129 1.4 0.0 4.4
130 72.4 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

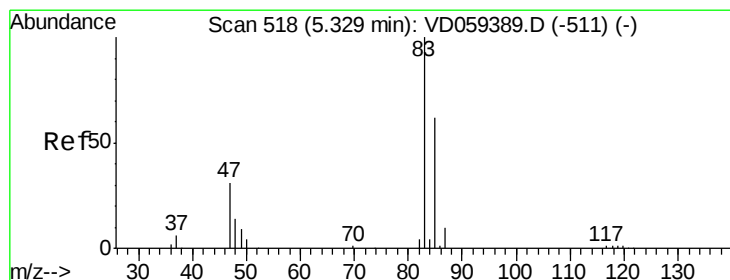
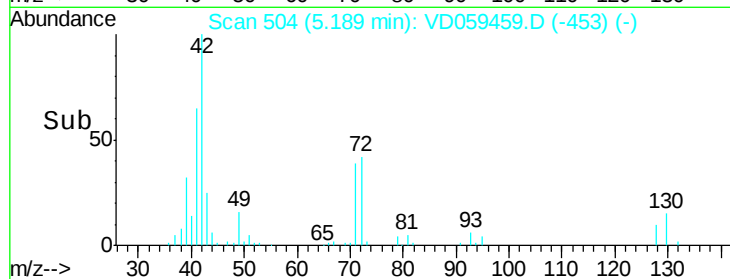
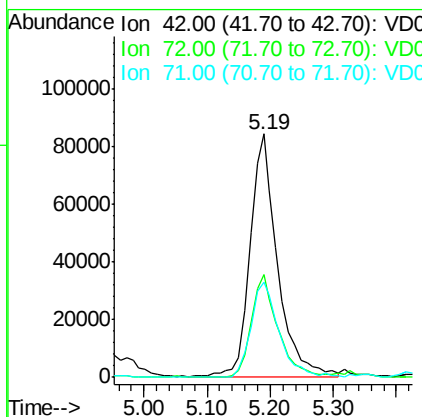
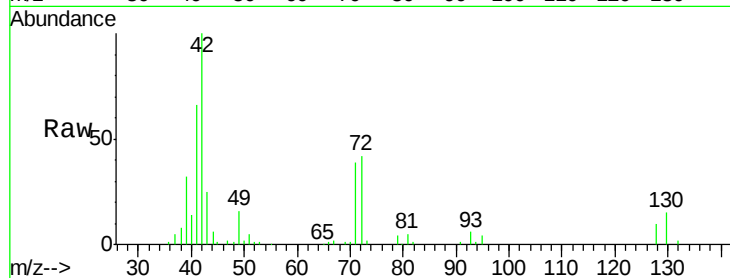




#29
Tetrahydrofuran
Concen: 245.706 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

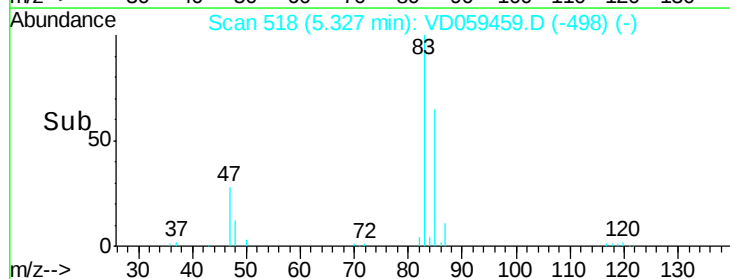
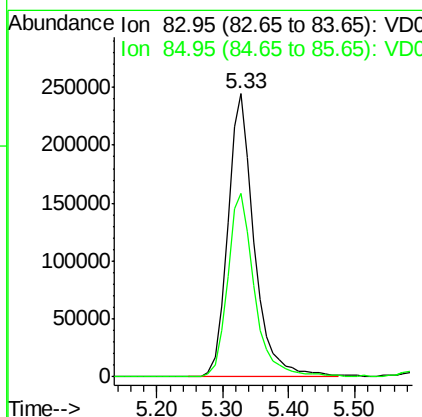
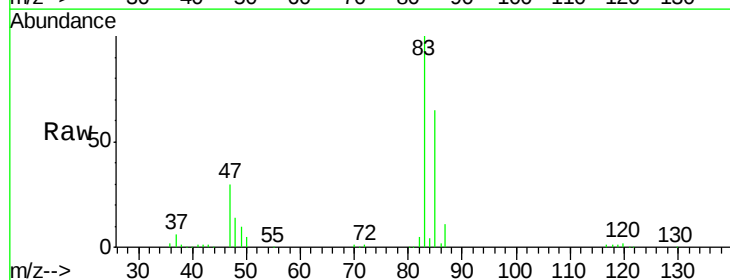
Instrument :
MSVOA_D
ClientSampleId :

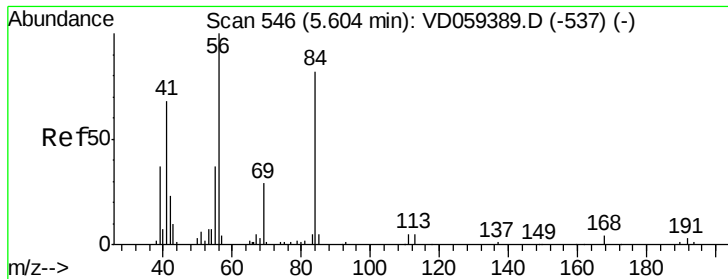
Tot Ion: 42 Resp: 257243
Ion Ratio Lower Upper
42 100
72 40.7 31.4 47.2
71 40.1 29.7 44.5



#30
Chloroform
Concen: 54.663 ug/l
RT: 5.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Tgt Ion: 83 Resp: 684876
Ion Ratio Lower Upper
83 100
85 64.9 49.3 73.9





#31

Cyclohexane

Concen: 46.574 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :
MSVOA_D
ClientSampleId :

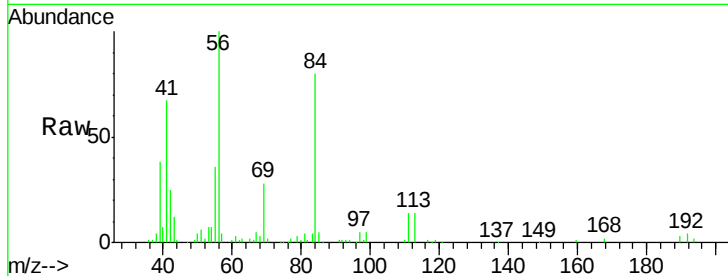
Tot Ion: 56 Resp: 355305

Ion Ratio Lower Upper

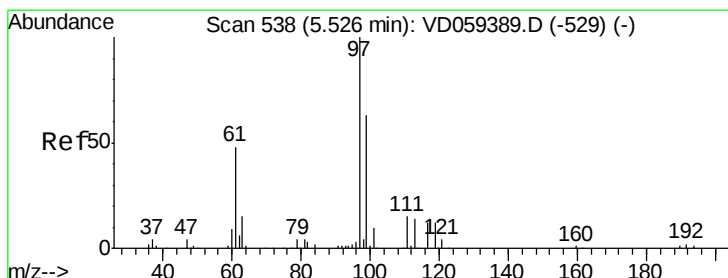
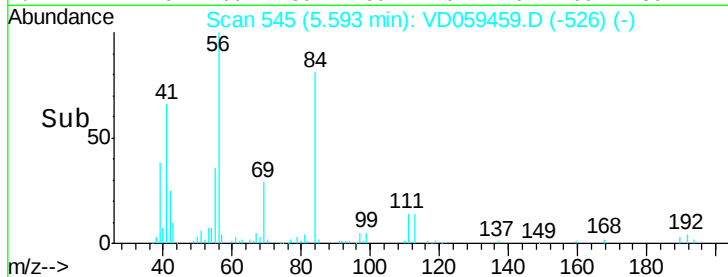
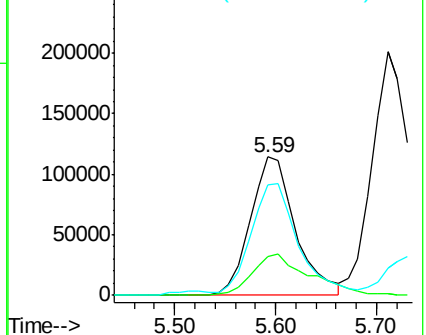
56 100

69 28.4 22.9 34.3

84 80.3 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: 53.220 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.01 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

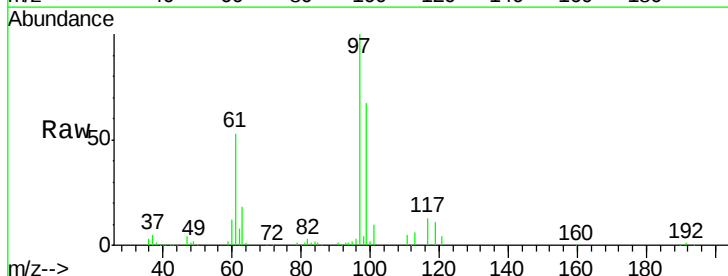
Tgt Ion: 97 Resp: 539956

Ion Ratio Lower Upper

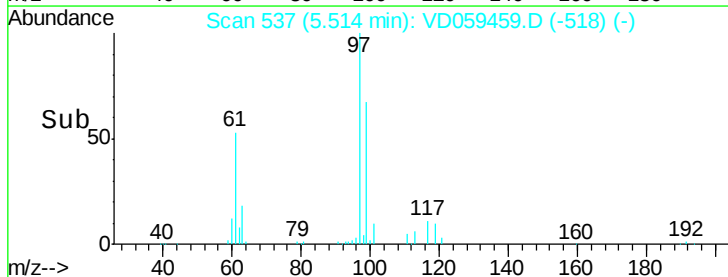
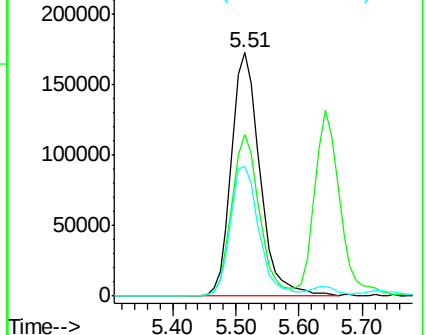
97 100

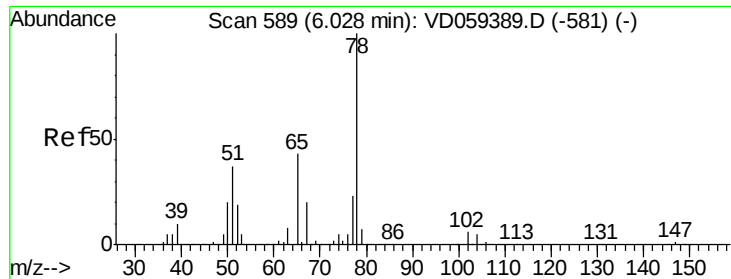
99 66.5 50.2 75.4

61 53.2 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: 53.220 ug/l

RT: 6.03 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

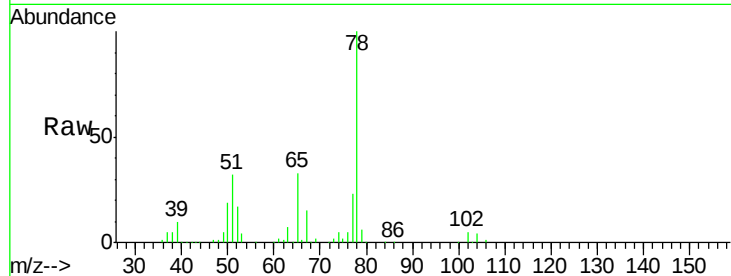
ClientSampleId :

Tot Ion: 65 Resp: 328125

Ion Ratio Lower Upper

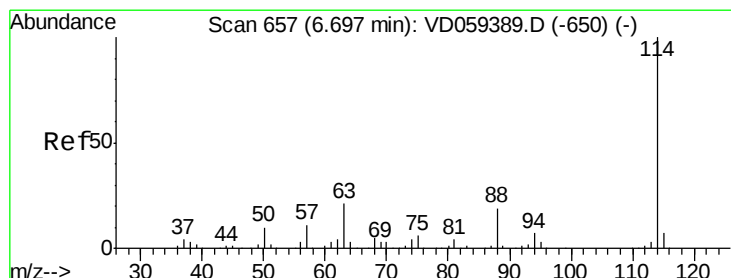
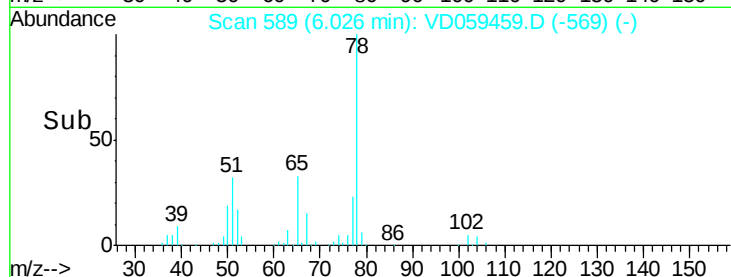
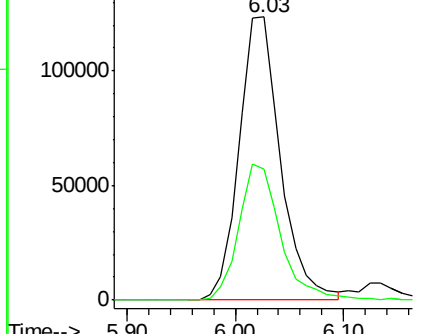
65 100

67 46.5 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

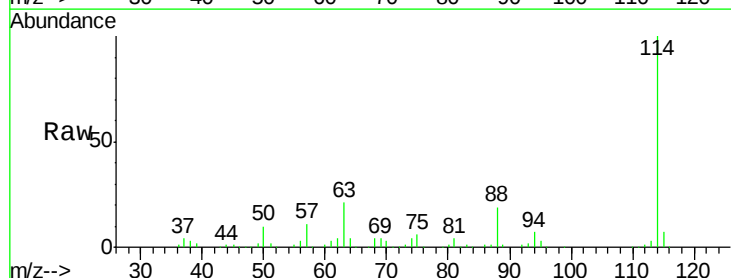
Tgt Ion: 114 Resp: 936152

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.4

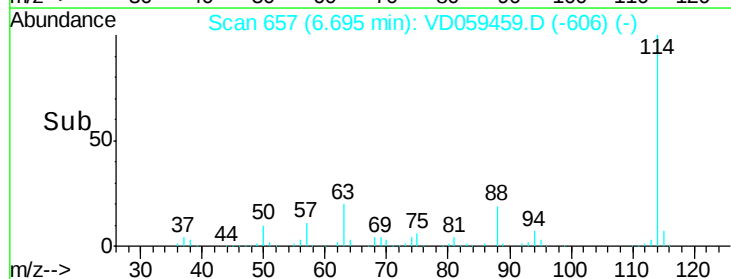
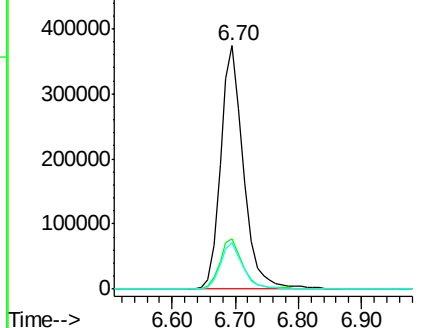
88 19.2 0.0 38.0

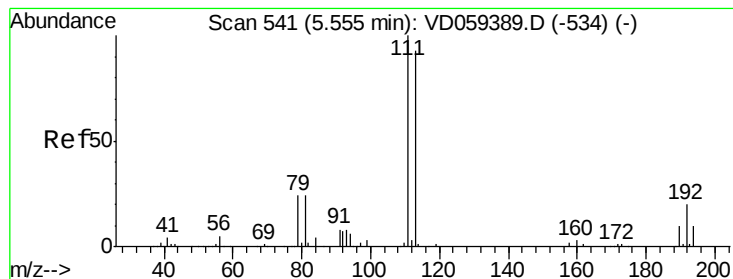


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :
MSVOA_D
ClientSampleId :

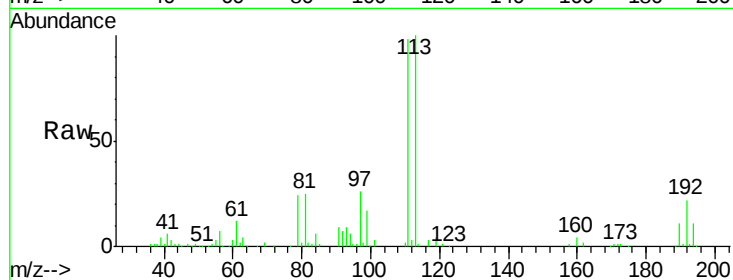
Tot Ion:113 Resp: 338253

Ion Ratio Lower Upper

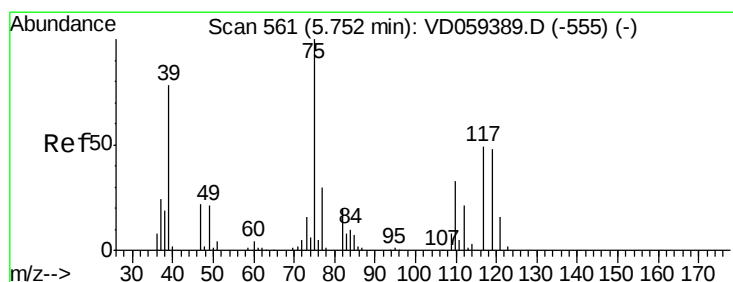
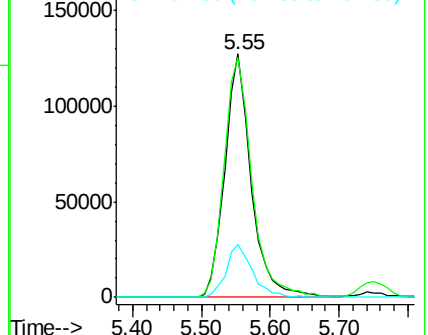
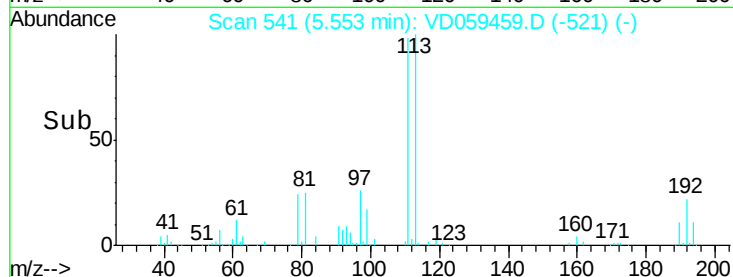
113 100

111 98.4 85.7 128.5

192 22.0 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: 49.731 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

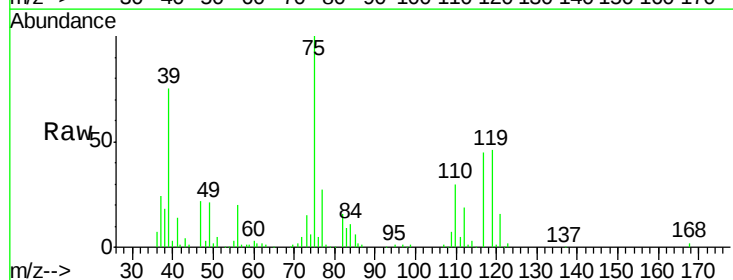
Tgt Ion: 75 Resp: 422331

Ion Ratio Lower Upper

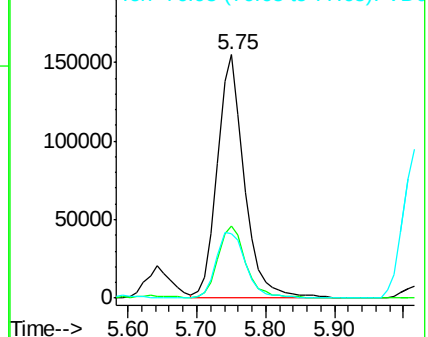
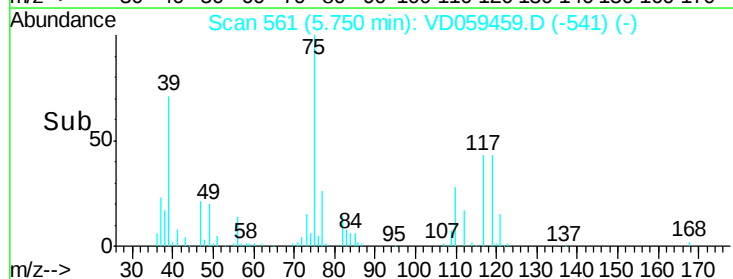
75 100

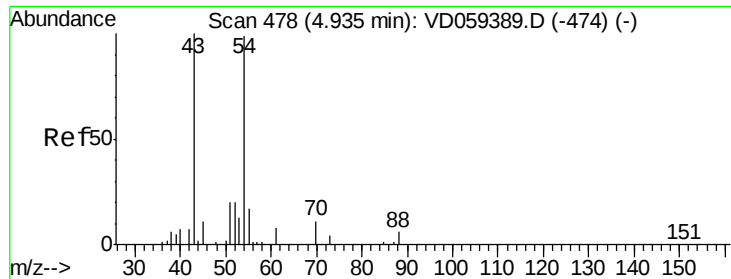
110 29.7 16.1 48.2

77 26.6 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

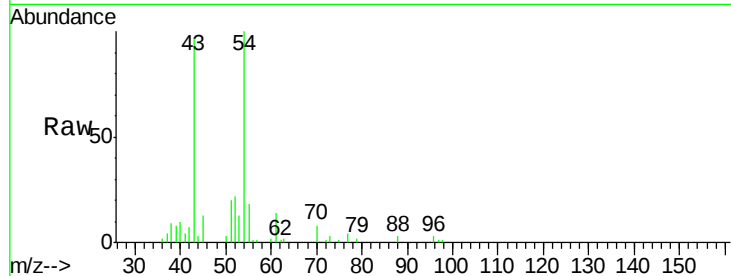




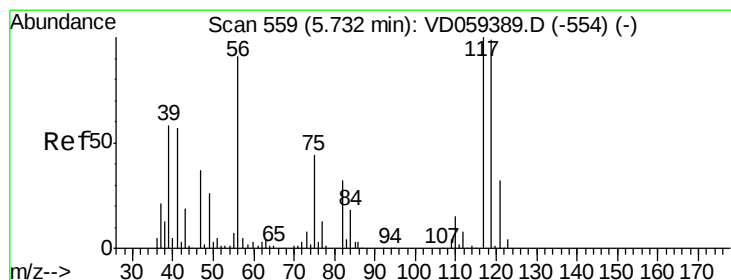
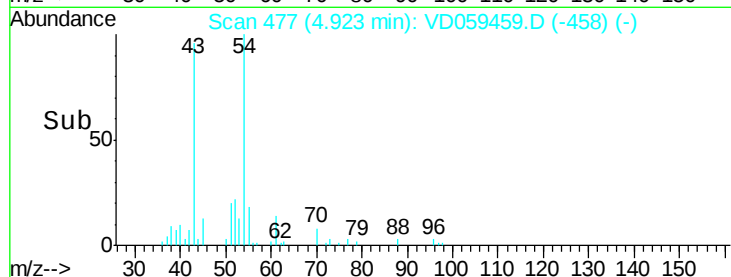
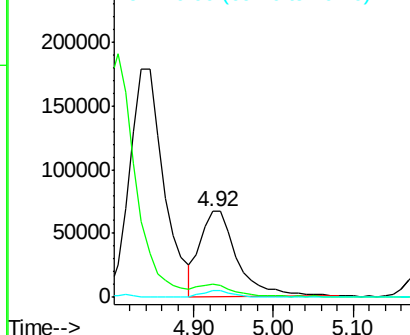
#37
Ethyl Acetate
Concen: 41.506 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.01 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 214654
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.8
70 8.0 6.1 9.1

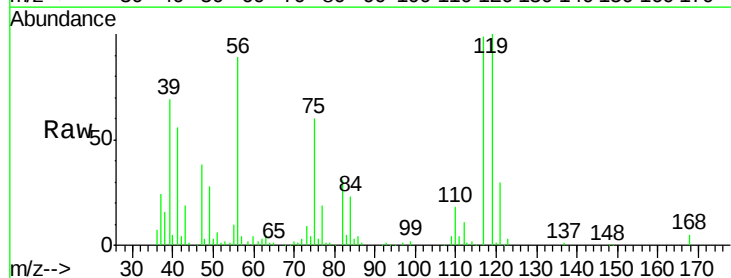


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

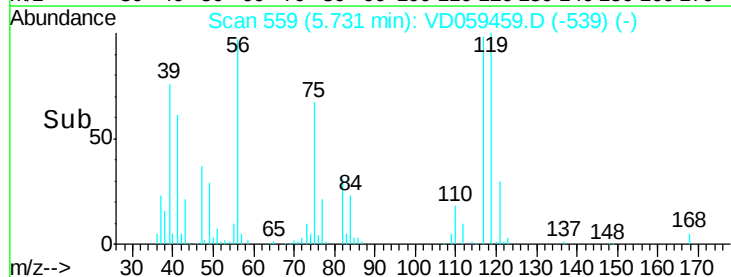
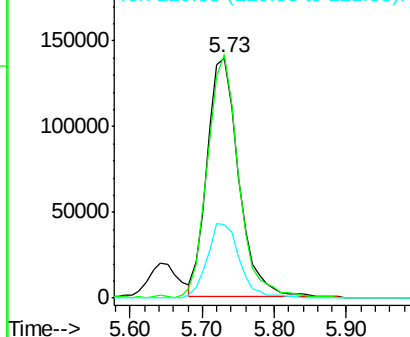


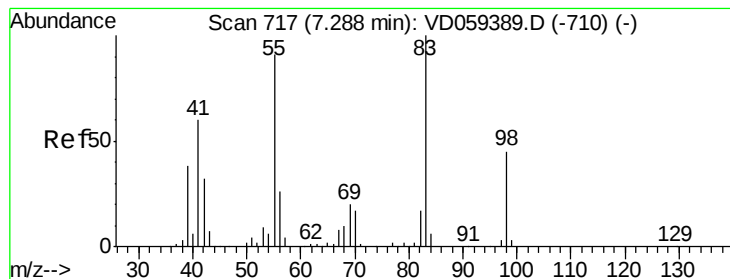
#38
Carbon Tetrachloride
Concen: 48.213 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Tgt Ion: 117 Resp: 422136
Ion Ratio Lower Upper
117 100
119 101.3 76.6 115.0
121 30.4 25.0 37.4



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





#39

Methvlcvclohexane

Concen: 29.787 ug/l

RT: 7.29 min Scan# 717

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

ClientSampleId :

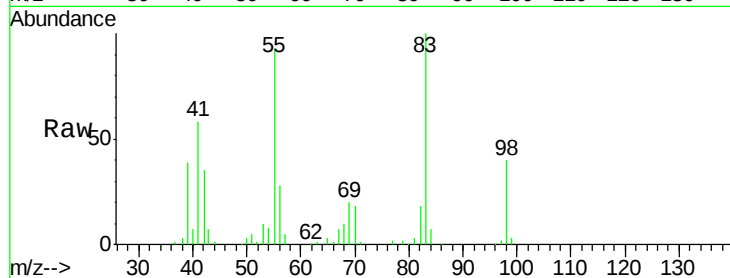
Tot Ion: 83 Resp: 239917

Ion Ratio Lower Upper

83 100

55 92.8 72.6 109.0

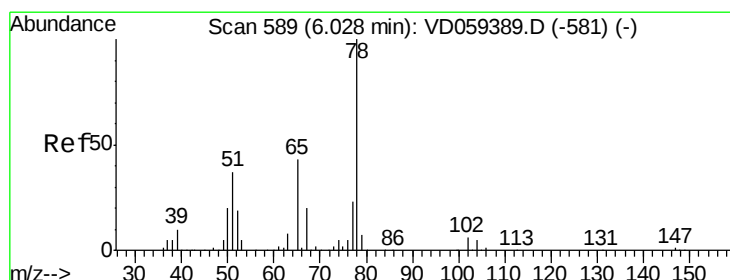
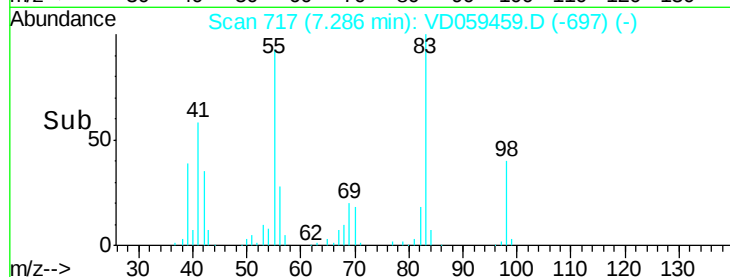
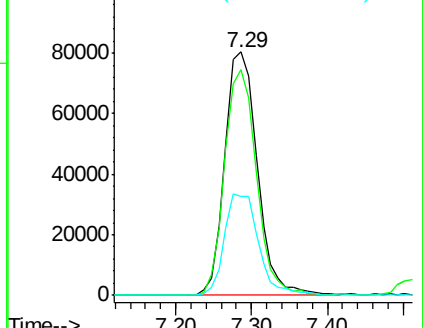
98 40.4 35.8 53.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 55.321 ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD059459.D

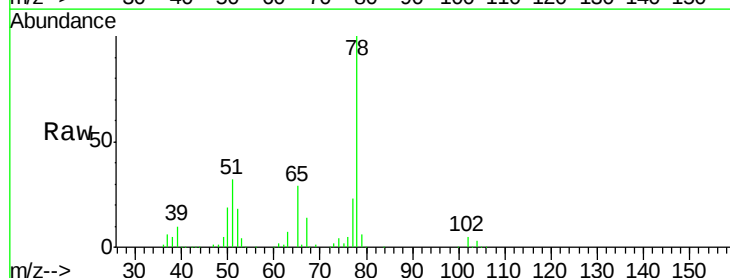
Acq: 27 Jun 2018 22:05

Tgt Ion: 78 Resp: 1127385

Ion Ratio Lower Upper

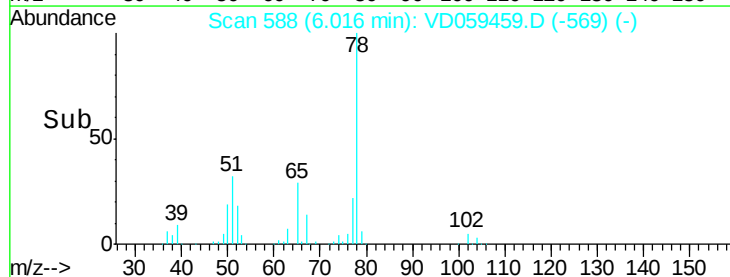
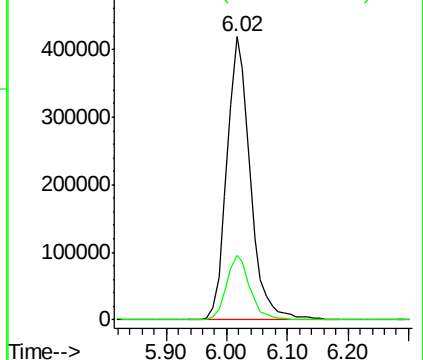
78 100

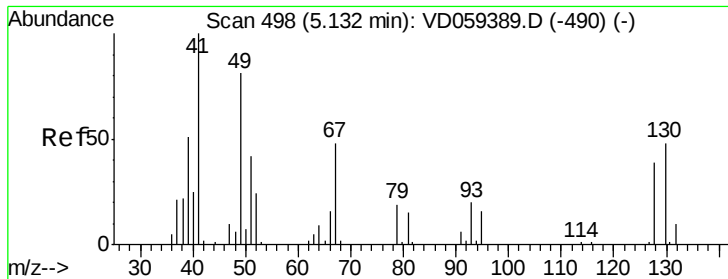
77 22.6 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 53.054 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 132157

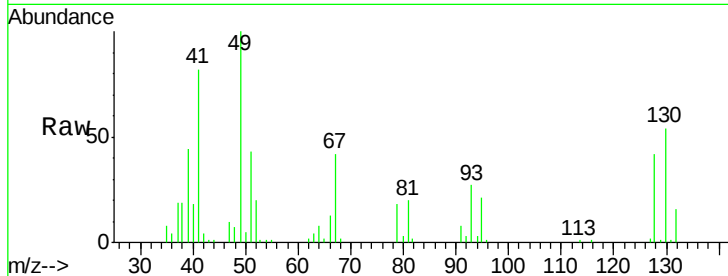
Ion Ratio Lower Upper

41 100

39 53.7 41.5 62.3

67 50.6 38.7 58.1

52 23.8 19.4 29.2

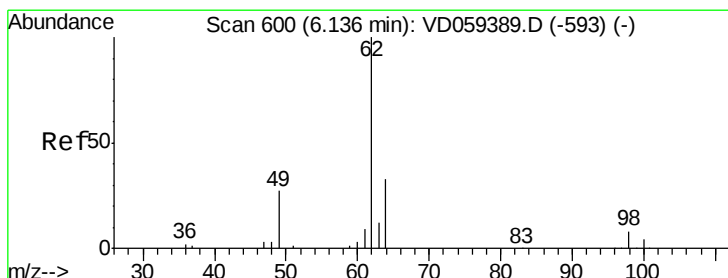
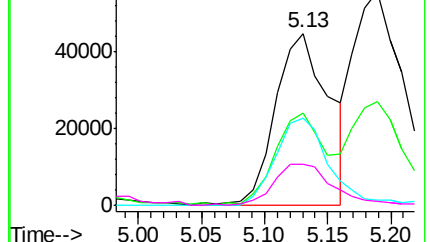
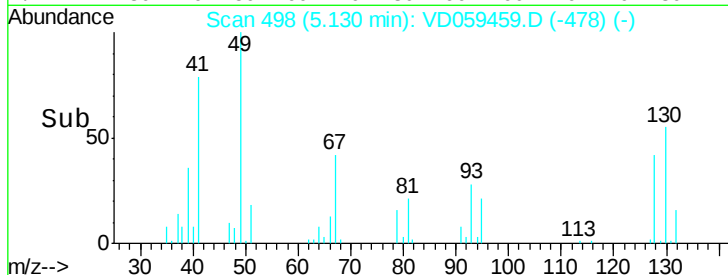


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 50.304 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.00 min

Lab File: VD059459.D

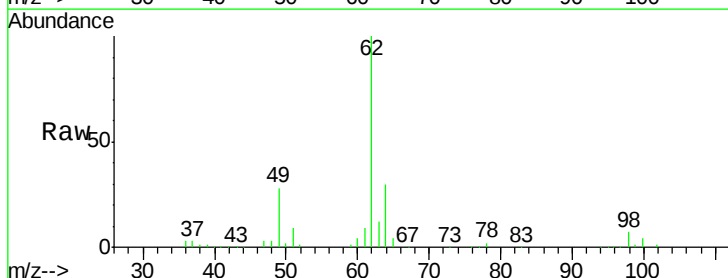
Acq: 27 Jun 2018 22:05

Tgt Ion: 62 Resp: 452967

Ion Ratio Lower Upper

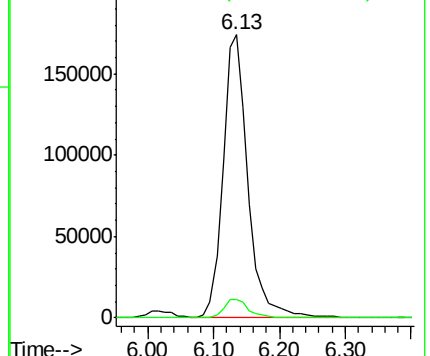
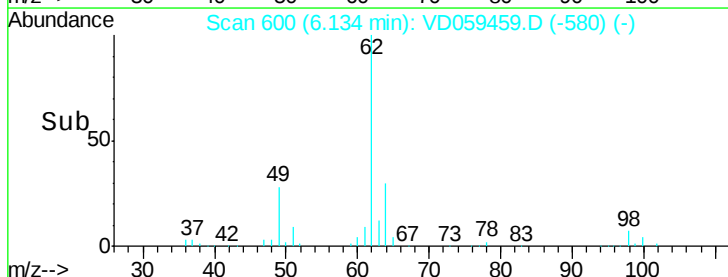
62 100

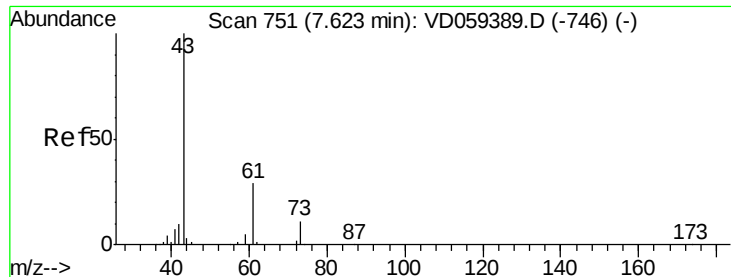
98 6.7 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 37.955 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

ClientSampleId :

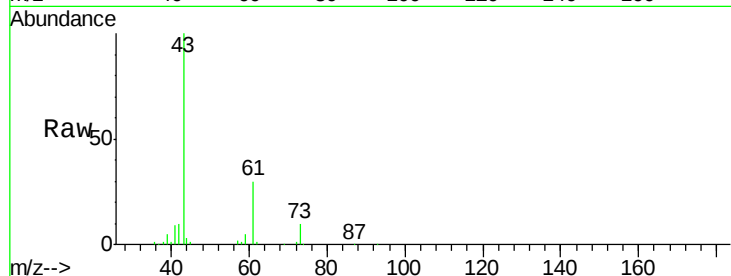
Tot Ion: 43 Resp: 246504

Ion Ratio Lower Upper

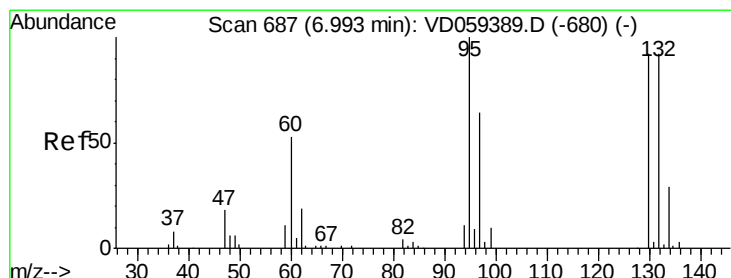
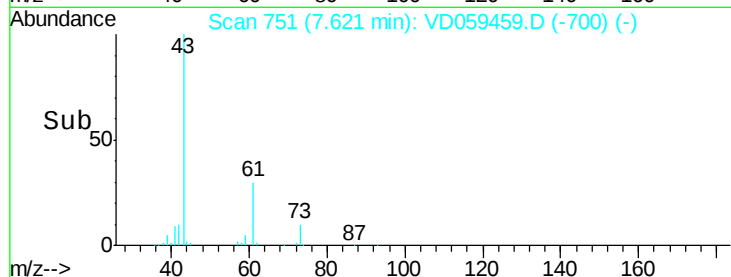
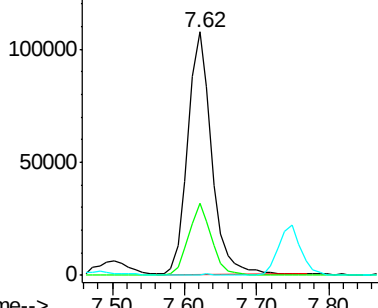
43 100

61 29.6 23.1 34.7

87 0.4 0.2 0.4#



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



#44

Trichloroethene

Concen: 55.873 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.01 min

Lab File: VD059459.D

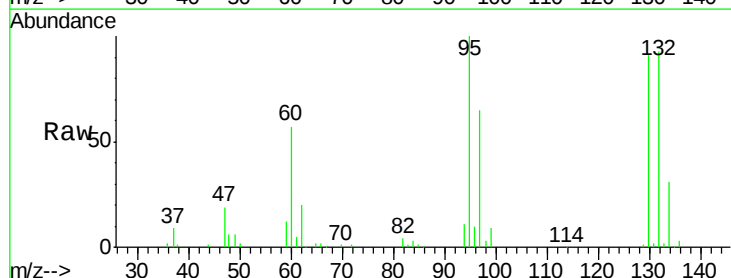
Acq: 27 Jun 2018 22:05

Tgt Ion:130 Resp: 372819

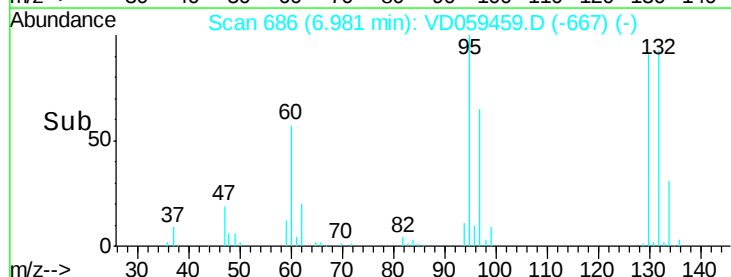
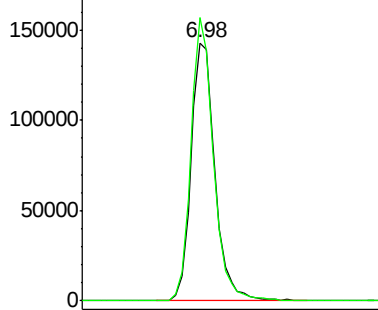
Ion Ratio Lower Upper

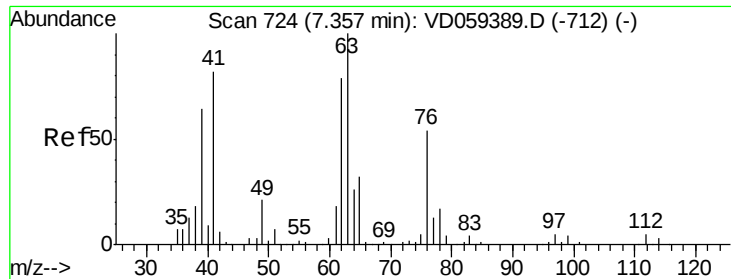
130 100

95 109.6 0.0 216.4



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

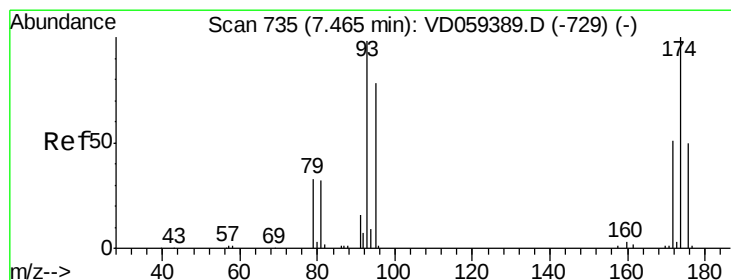
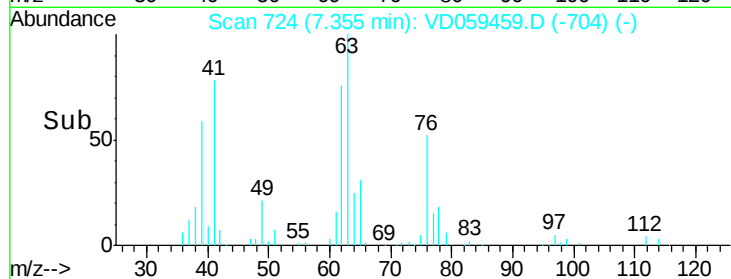
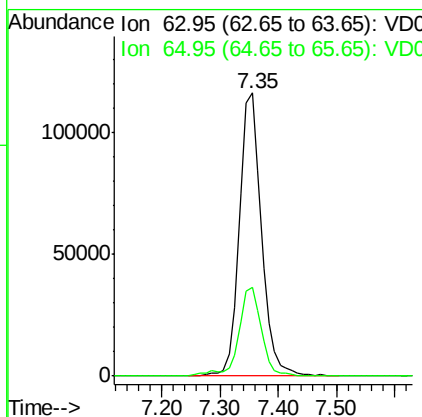
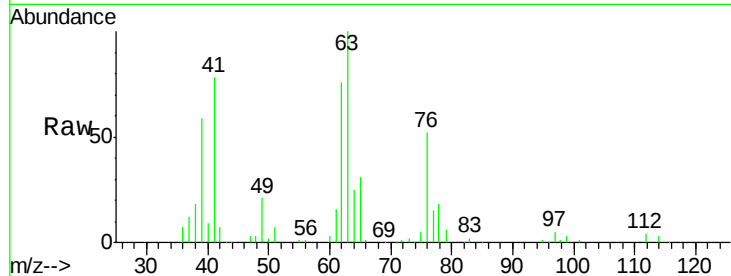




#45
 1,2-Dichloropropane
 Concen: 54.549 ug/l
 RT: 7.35 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VD059459.D
 Acq: 27 Jun 2018 22:05

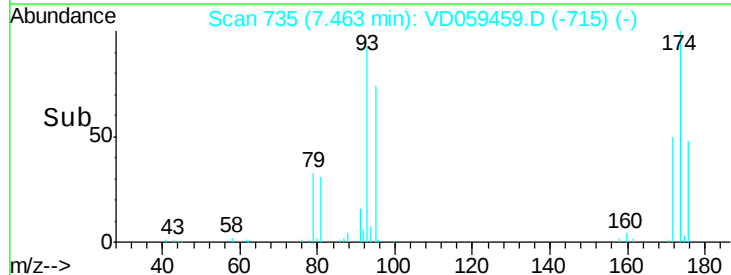
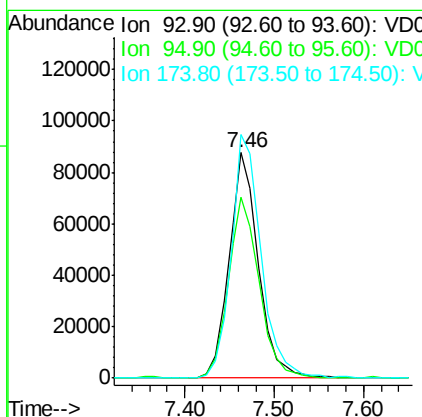
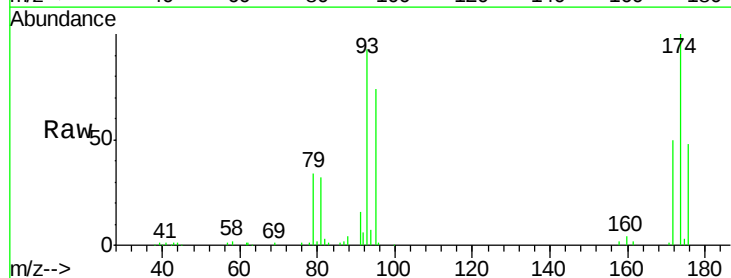
Instrument :
 MSVOA_D
 ClientSampled :

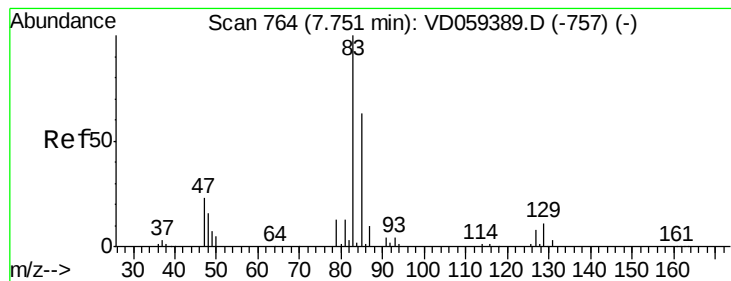
Tot Ion: 63 Resp: 307893
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.7 38.5



#46
 Dibromomethane
 Concen: 49.371 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VD059459.D
 Acq: 27 Jun 2018 22:05

Tgt Ion: 93 Resp: 200410
 Ion Ratio Lower Upper
 93 100
 95 80.2 63.4 95.0
 174 108.0 81.4 122.2





#47

Bromodichloromethane

Concen: 54.525 ug/l

RT: 7.75 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

ClientSampled :

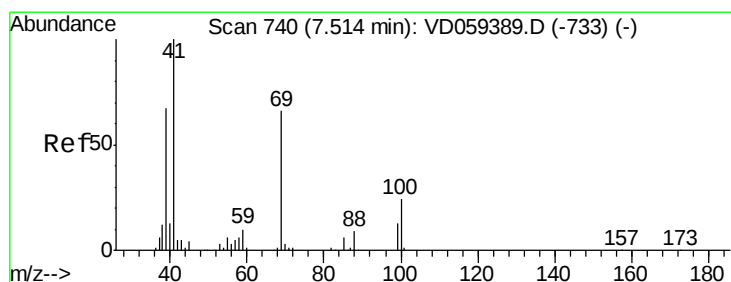
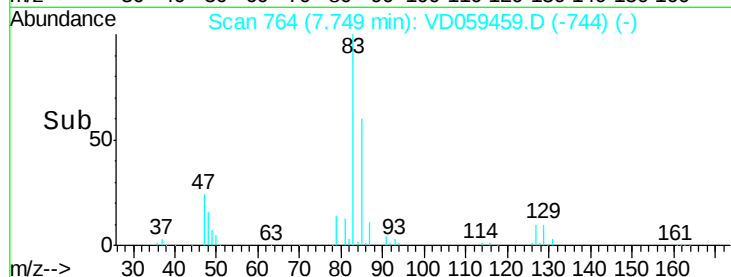
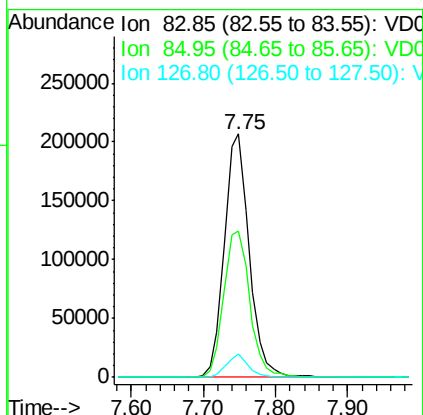
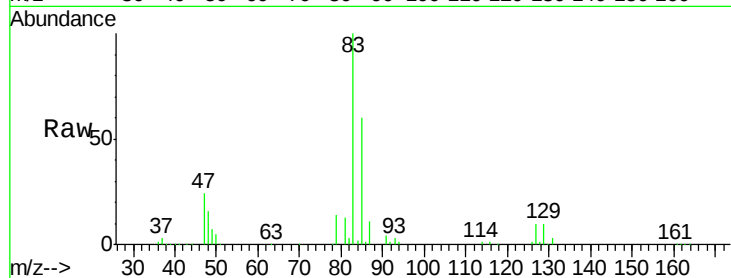
Tot Ion: 83 Resp: 495244

Ion Ratio Lower Upper

83 100

85 59.9 50.1 75.1

127 9.6 6.1 9.1#



#48

Methyl methacrylate

Concen: 49.377 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

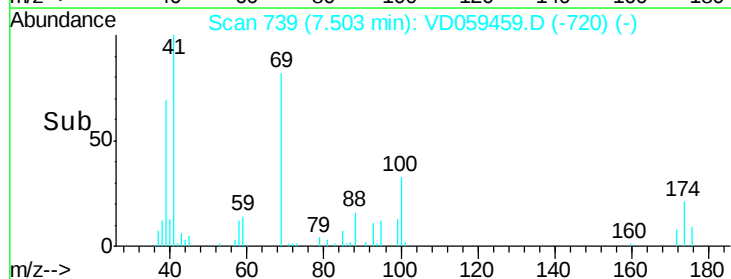
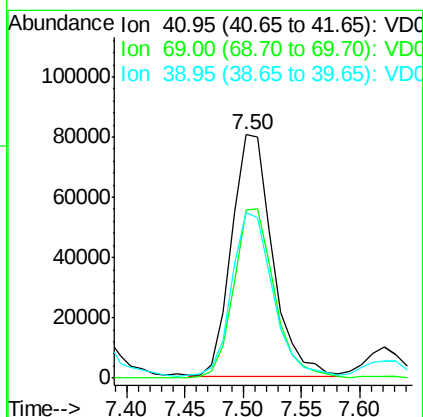
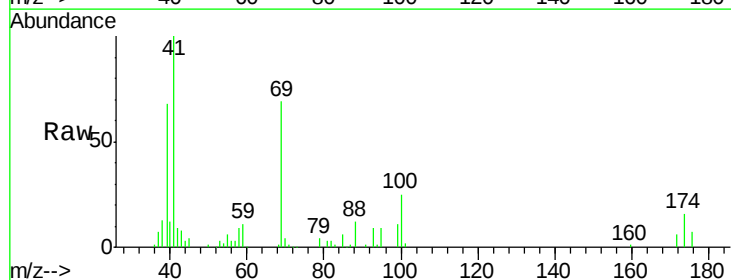
Tgt Ion: 41 Resp: 195379

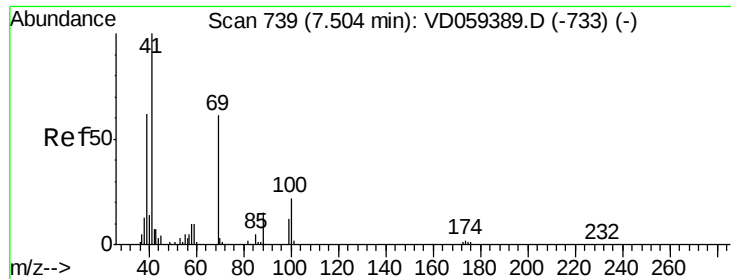
Ion Ratio Lower Upper

41 100

69 69.2 52.6 79.0

39 68.0 53.6 80.4





#49

1,4-Dioxane

Concen: 1020.499 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

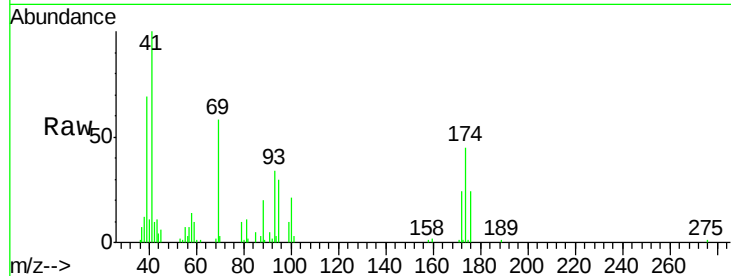
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 88 Resp: 40497

Ion	Ratio	Lower	Upper
88	100		
43	54.3	41.0	61.4
58	71.9	53.4	80.0

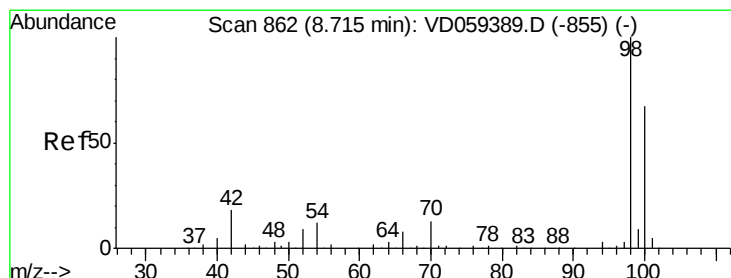
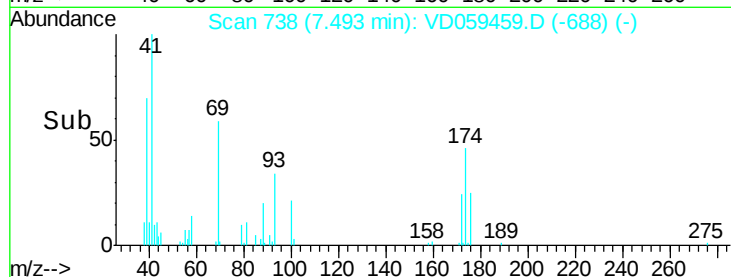
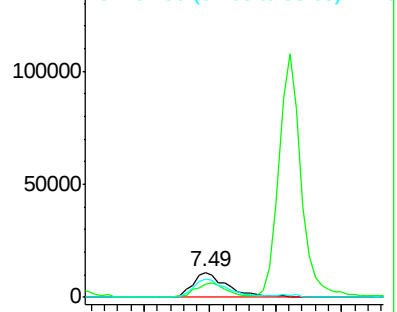


Abundance

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: 1020.499 ug/l

RT: 8.71 min Scan# 862

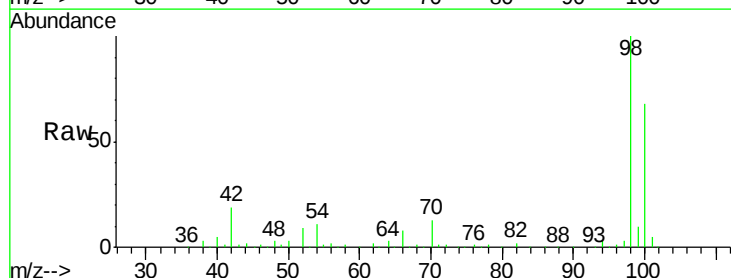
Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Tgt Ion: 98 Resp: 741761

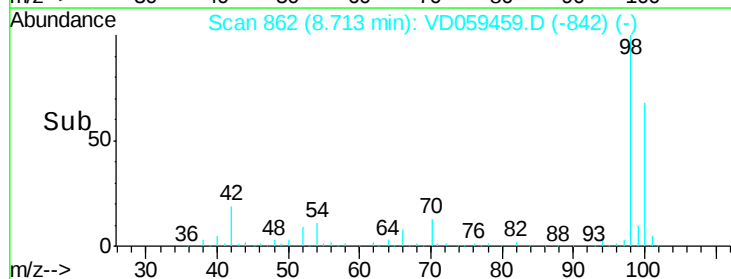
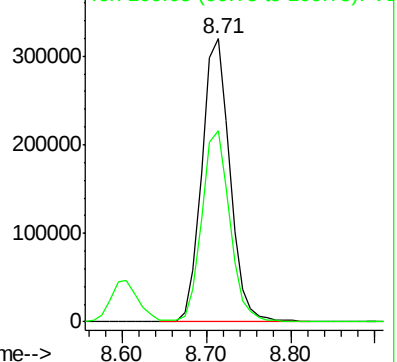
Ion	Ratio	Lower	Upper
98	100		
100	67.6	54.4	81.6

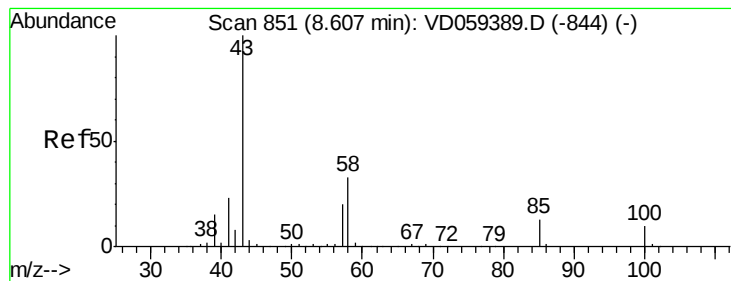


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 256.493 ug/l

RT: 8.61 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

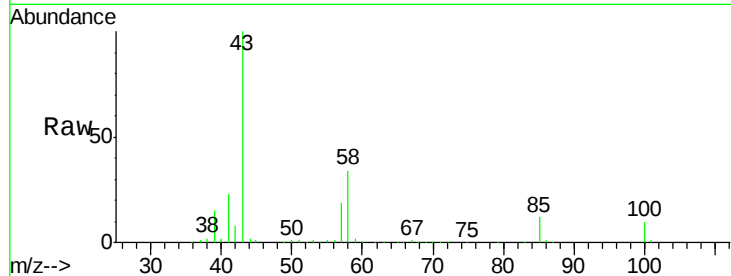
ClientSampleId :

Tot Ion: 43 Resp: 1110066

Ion Ratio Lower Upper

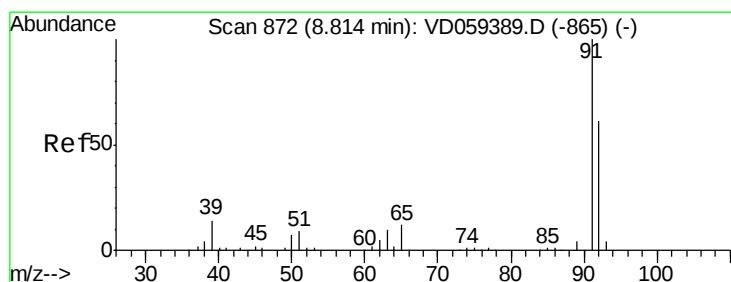
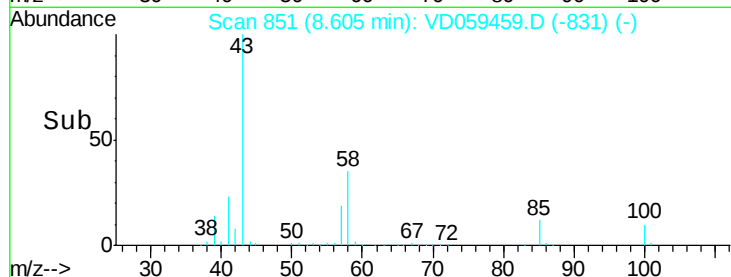
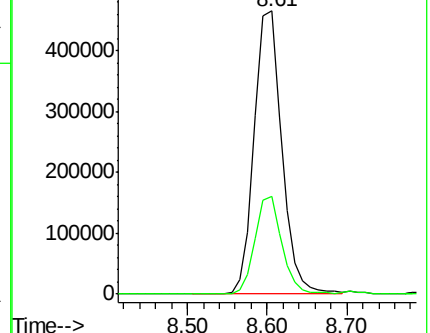
43 100

58 34.5 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 43.404 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD059459.D

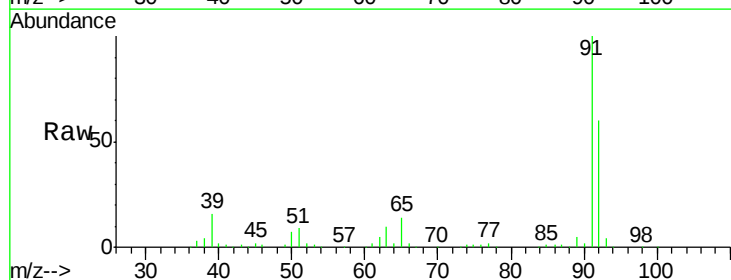
Acq: 27 Jun 2018 22:05

Tgt Ion: 92 Resp: 528280

Ion Ratio Lower Upper

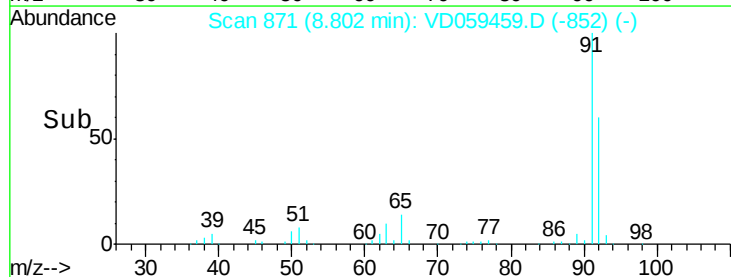
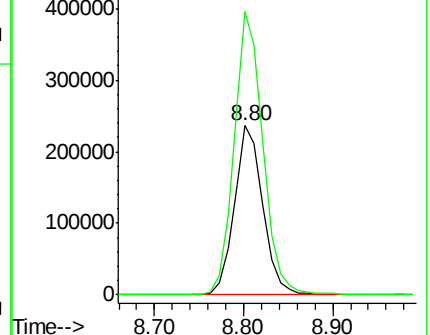
92 100

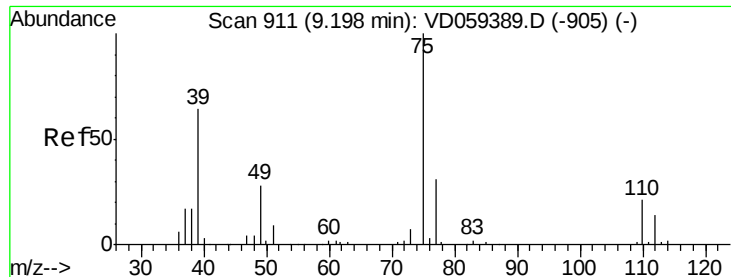
91 167.1 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 46.841 ug/l

RT: 9.19 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

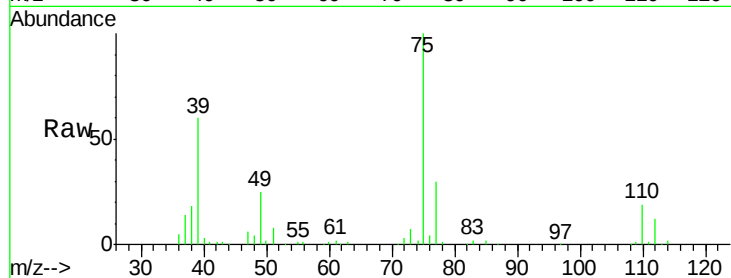
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 355523

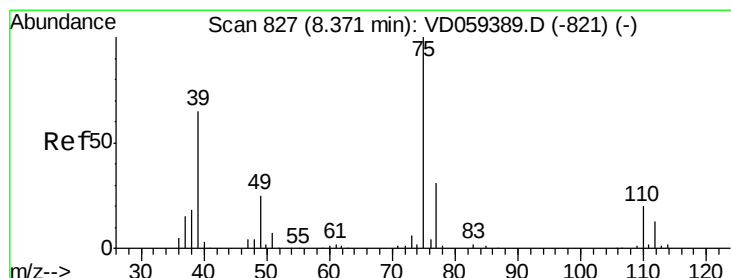
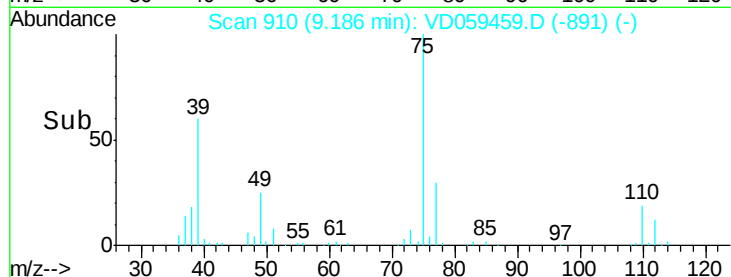
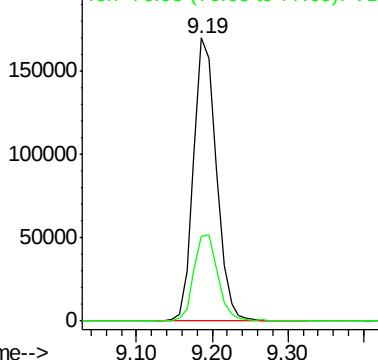
Ion Ratio Lower Upper

75 100

77 30.2 24.6 37.0



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



#54

cis-1,3-Dichloropropene

Concen: 49.467 ug/l

RT: 8.37 min Scan# 827

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

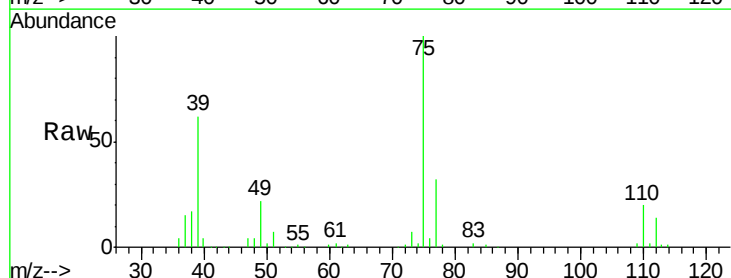
Tgt Ion: 75 Resp: 434734

Ion Ratio Lower Upper

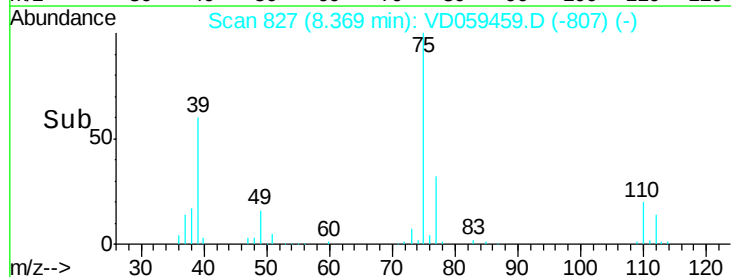
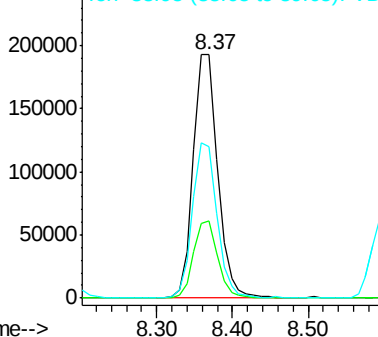
75 100

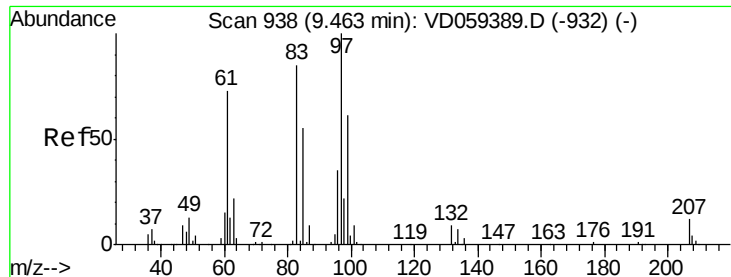
77 31.9 24.7 37.1

39 62.3 52.2 78.4



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





#55

1,1,2-Trichloroethane

Concen: 49.967 ug/l

RT: 9.46 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 220798

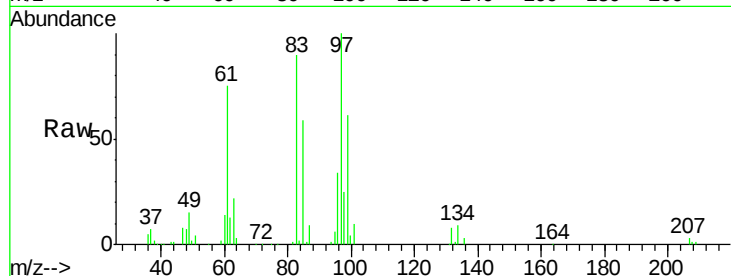
Ion Ratio Lower Upper

97 100

83 89.6 67.7 101.5

85 59.3 44.3 66.5

99 60.9 48.6 73.0

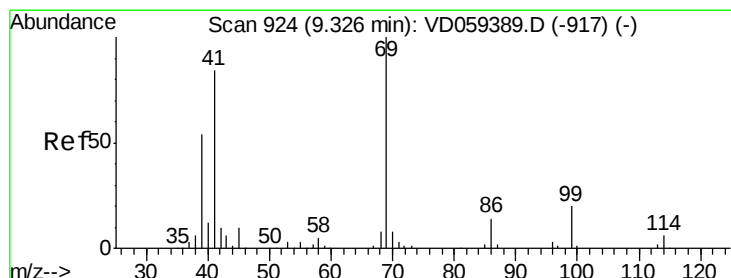
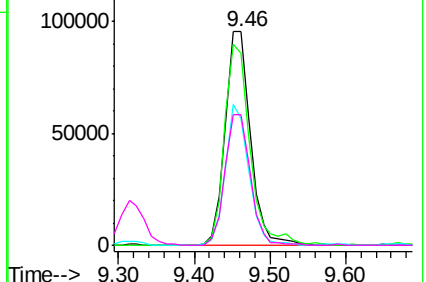
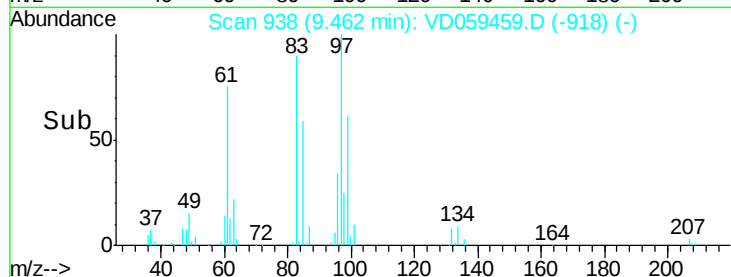


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 47.095 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

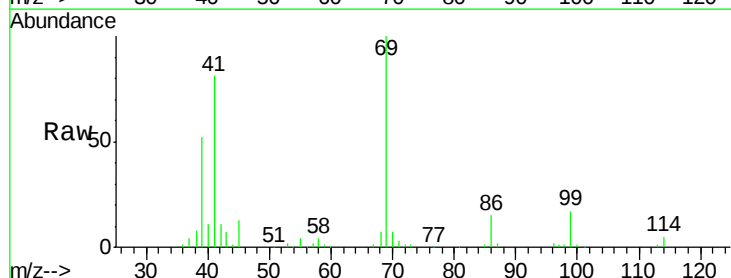
Tgt Ion: 69 Resp: 237467

Ion Ratio Lower Upper

69 100

41 81.2 67.4 101.0

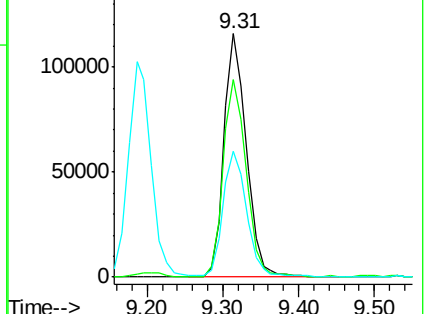
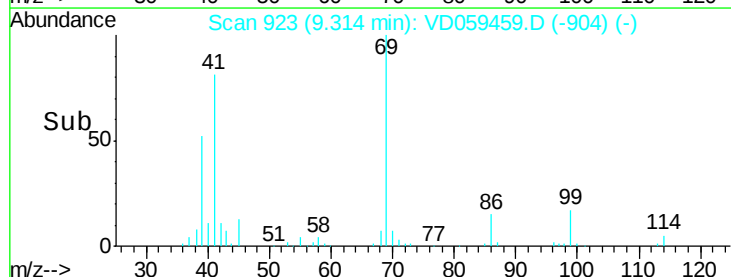
39 51.7 43.7 65.5

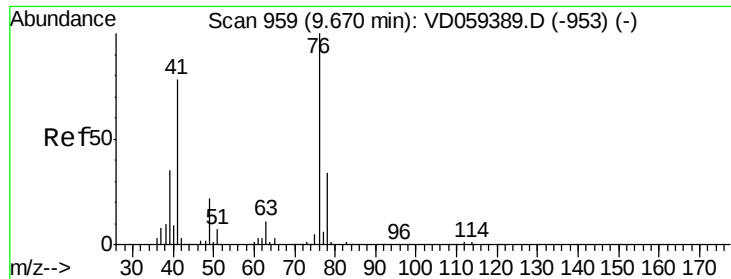


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 52.876 ug/l

RT: 9.67 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

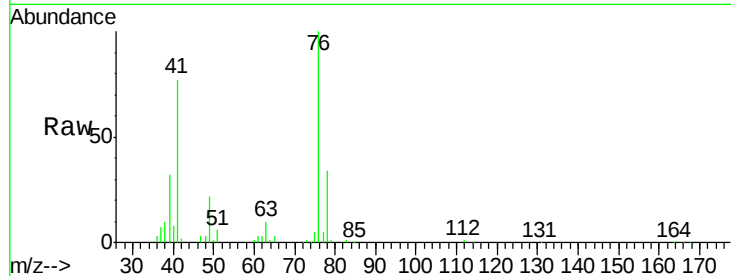
ClientSampleId :

Tot Ion: 76 Resp: 382139

Ion Ratio Lower Upper

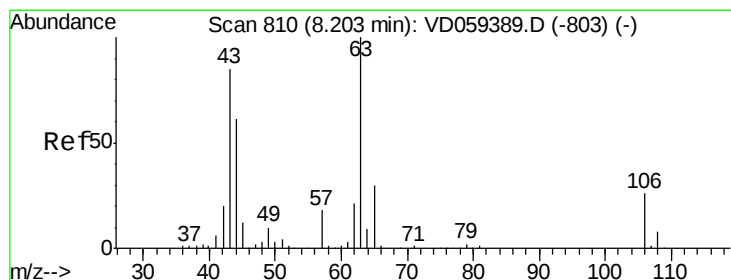
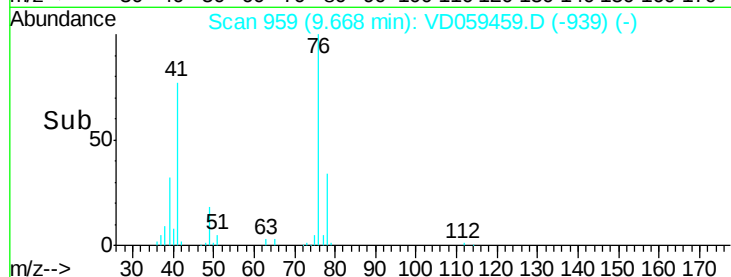
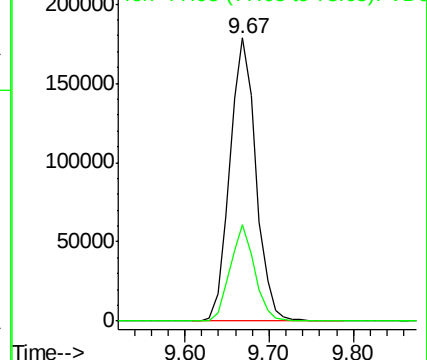
76 100

78 34.2 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: 250.868 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD059459.D

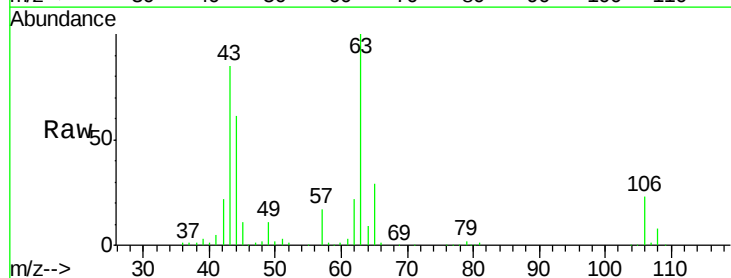
Acq: 27 Jun 2018 22:05

Tgt Ion: 63 Resp: 651193

Ion Ratio Lower Upper

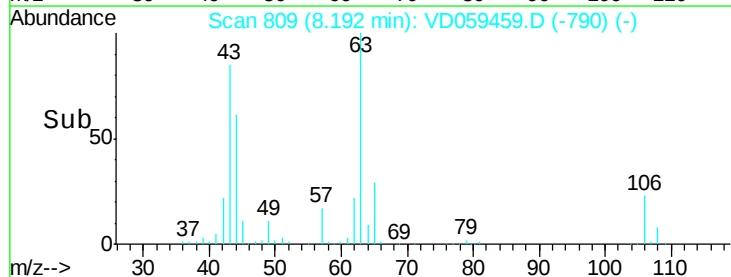
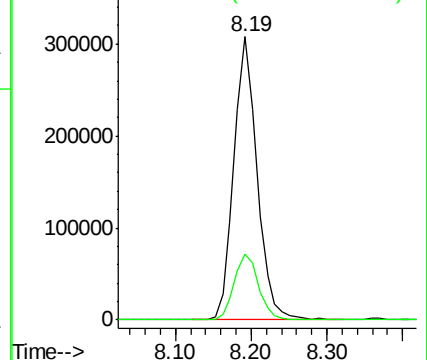
63 100

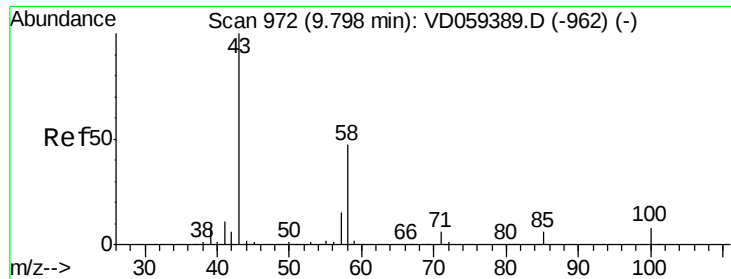
106 23.2 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

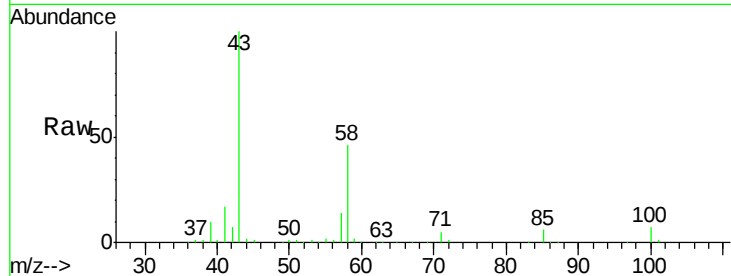




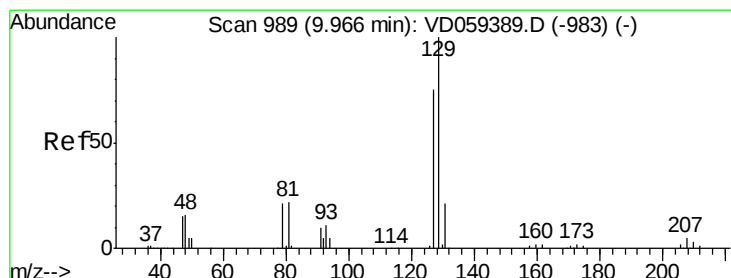
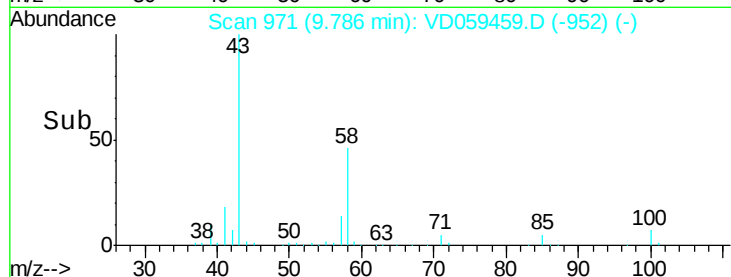
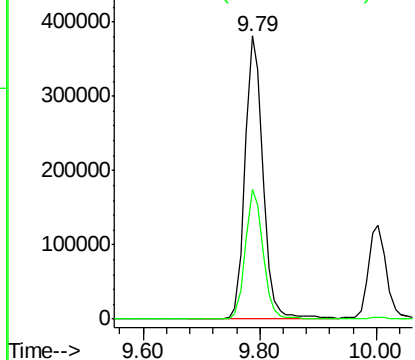
#59
2-Hexanone
Concen: 266.590 ug/l
RT: 9.79 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 820017
Ion Ratio Lower Upper
43 100
58 45.7 23.3 69.9

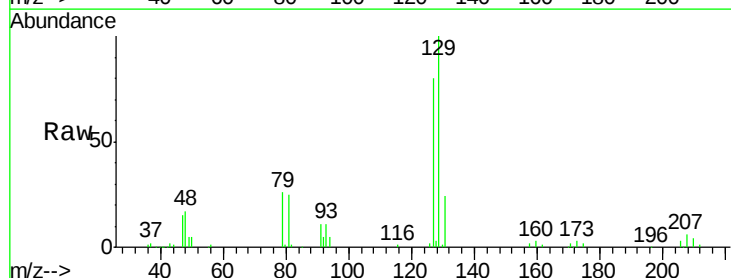


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

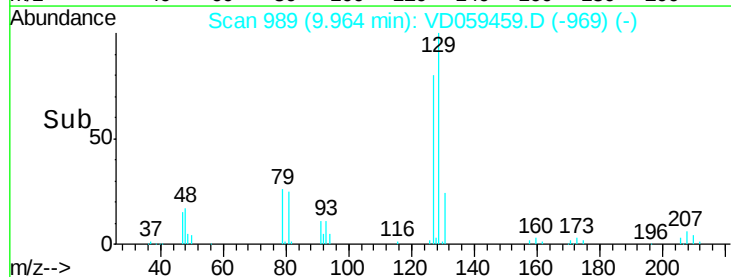
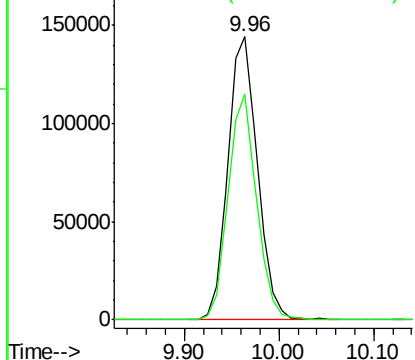


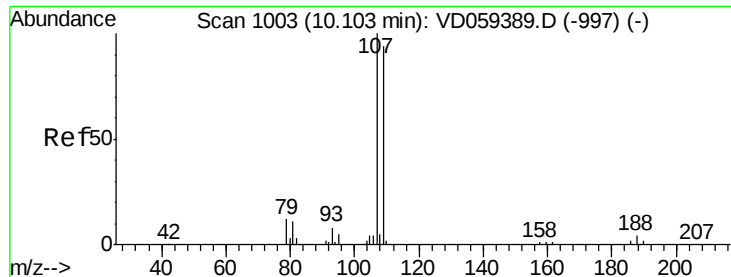
#60
Dibromochloromethane
Concen: 50.384 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Tgt Ion:129 Resp: 311776
Ion Ratio Lower Upper
129 100
127 79.8 37.3 111.8



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

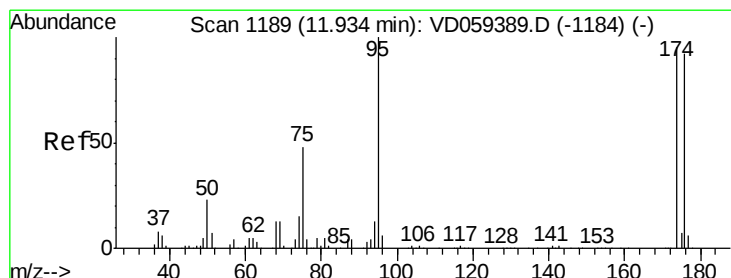
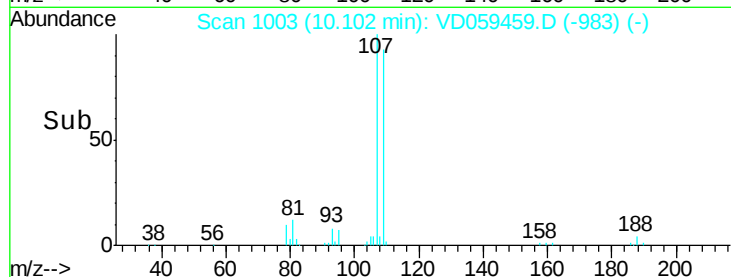
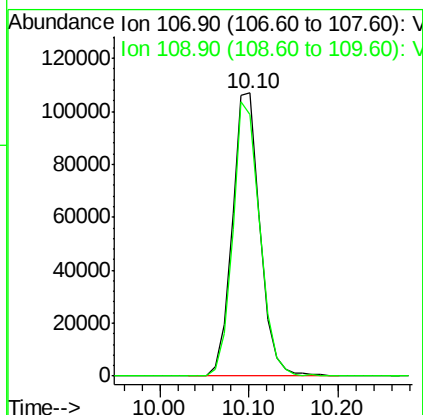
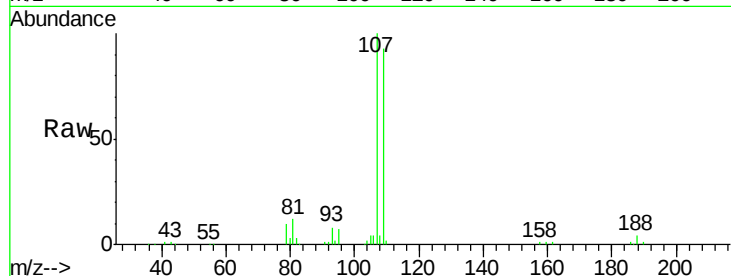




#61
1,2-Dibromoethane
Concen: 47.226 ug/l
RT: 10.10 min Scan# 1003
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

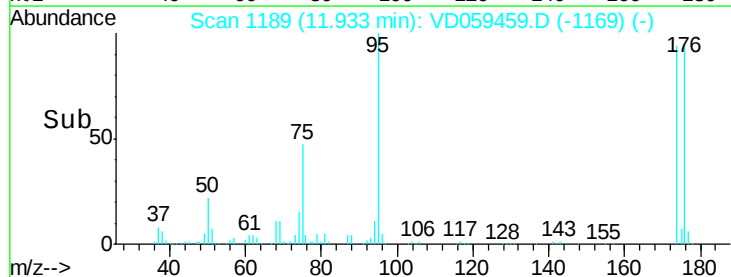
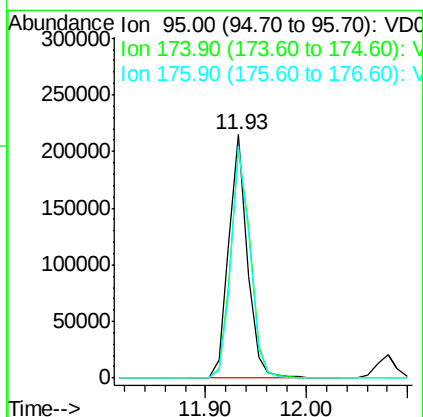
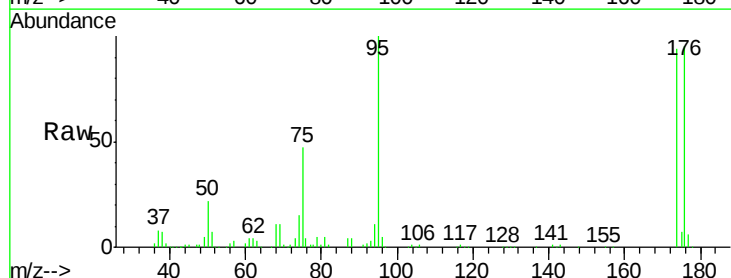
Instrument :
MSVOA_D
ClientSampleId :

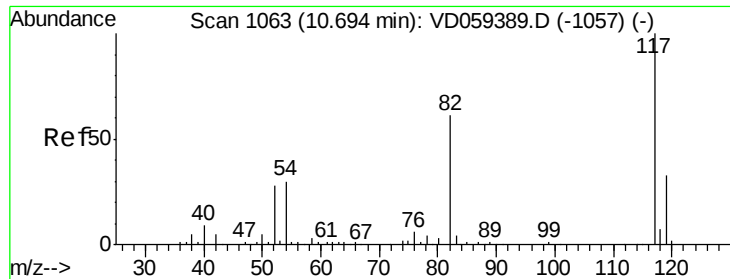
Tot Ion:107 Resp: 232391
Ion Ratio Lower Upper
107 100
109 92.6 75.0 112.6



#62
4-Bromofluorobenzene
Concen: 47.226 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Tgt Ion: 95 Resp: 275193
Ion Ratio Lower Upper
95 100
174 94.2 0.0 190.4
176 95.1 0.0 183.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

ClientSampled :

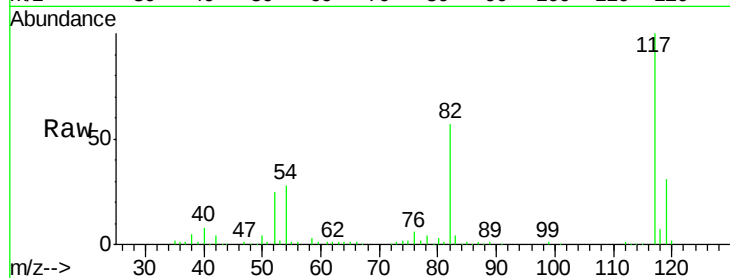
Tot Ion:117 Resp: 674275

Ion Ratio Lower Upper

117 100

82 57.4 49.0 73.6

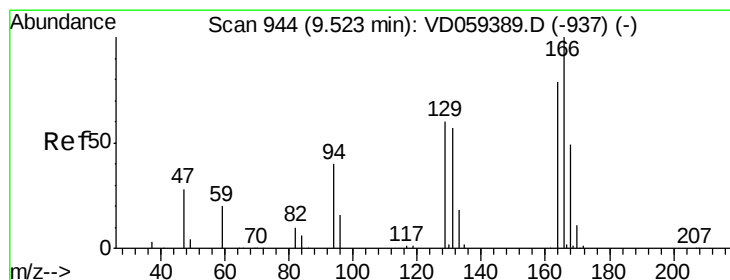
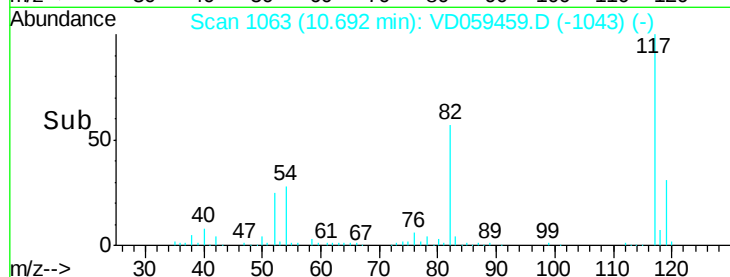
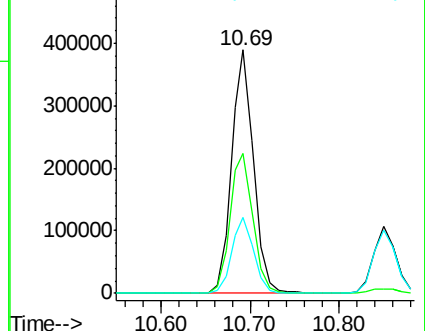
119 31.1 26.2 39.4



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: 75.056 ug/l

RT: 9.52 min Scan# 944

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Tgt Ion:164 Resp: 443966

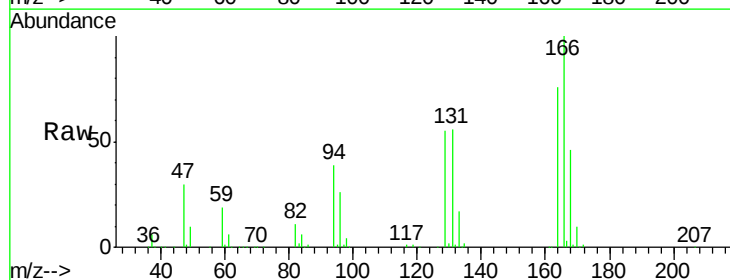
Ion Ratio Lower Upper

164 100

166 131.9 101.4 152.2

129 72.9 60.9 91.3

131 73.5 58.2 87.4

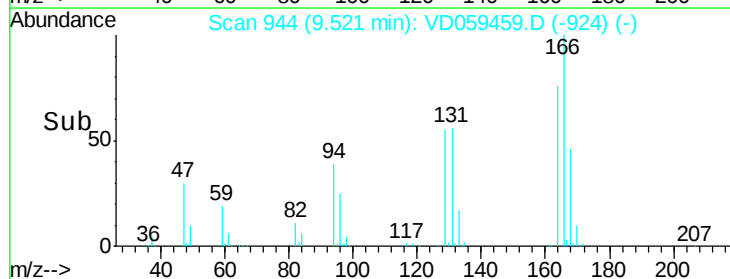
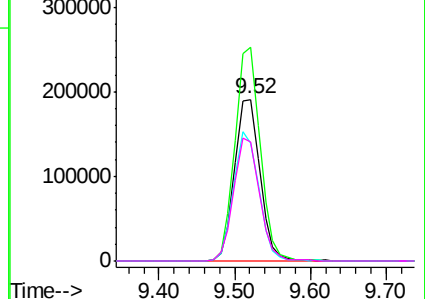


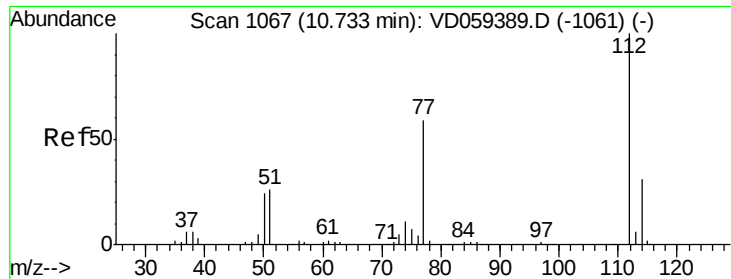
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

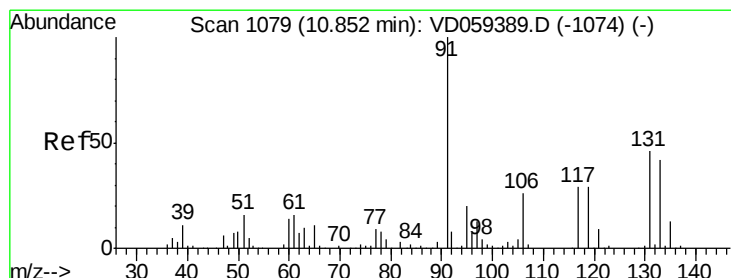
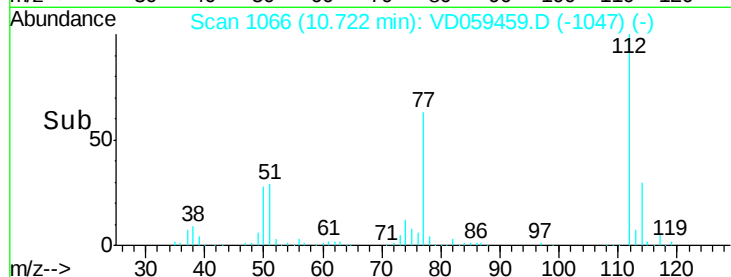
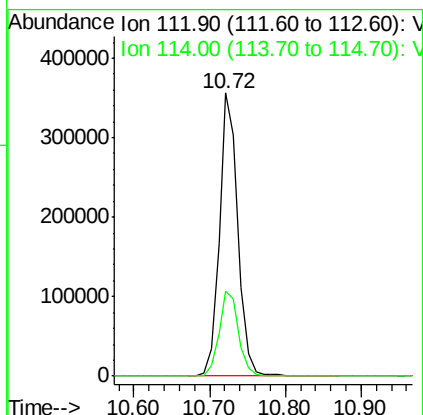
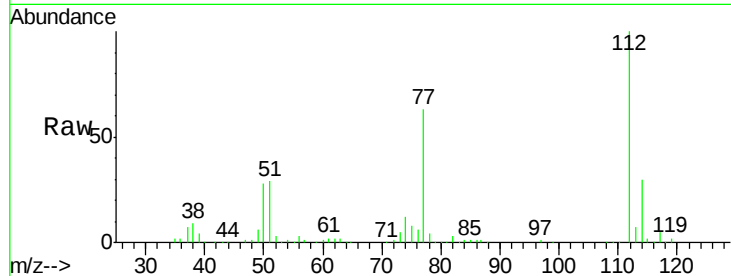




#65
Chlorobenzene
Concen: 48.939 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

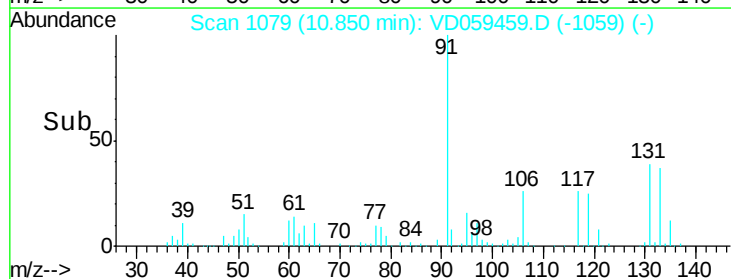
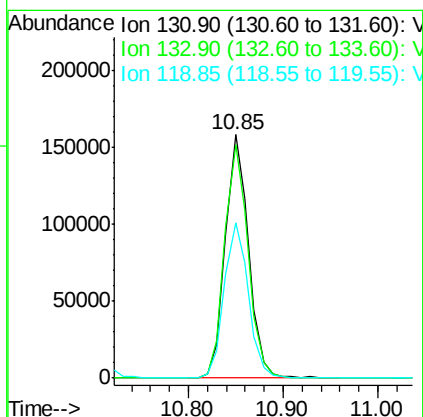
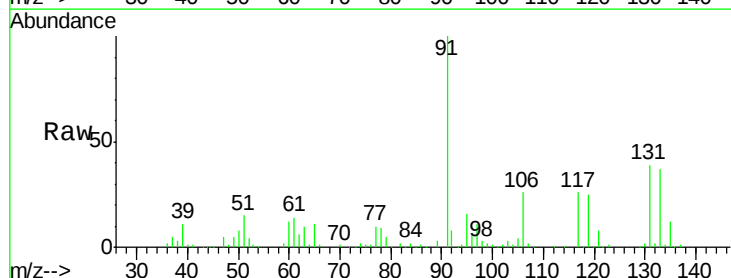
Instrument :
MSVOA_D
ClientSampleId :

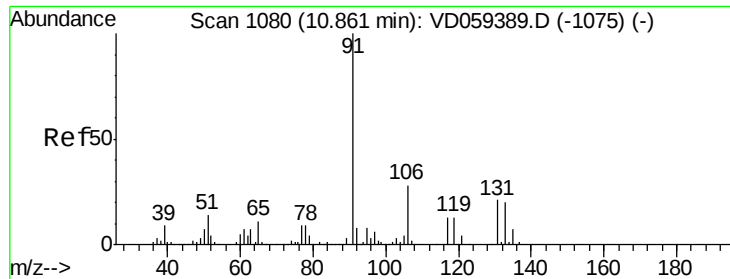
Tot Ion:112 Resp: 603382
Ion Ratio Lower Upper
112 100
114 30.0 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 56.877 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Tgt Ion:131 Resp: 269176
Ion Ratio Lower Upper
131 100
133 95.6 45.7 137.1
119 63.6 32.3 96.9

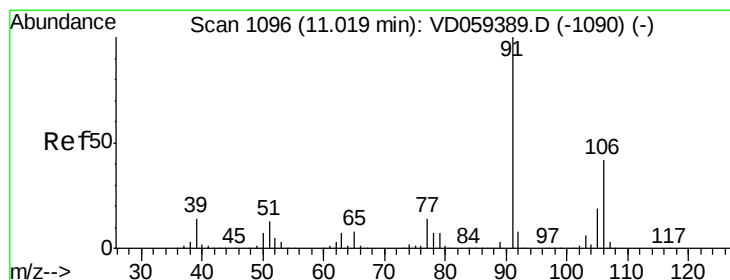
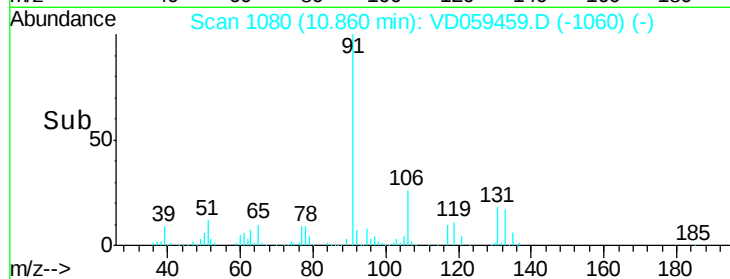
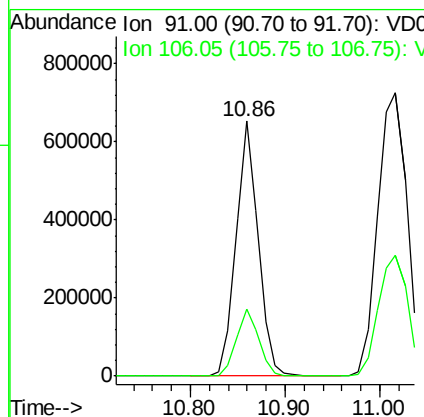
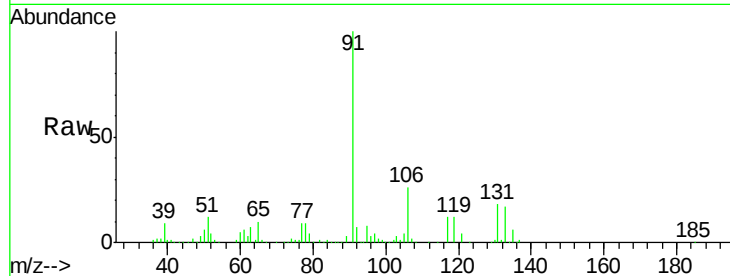




#67
Ethyl Benzene
Concen: 51.044 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

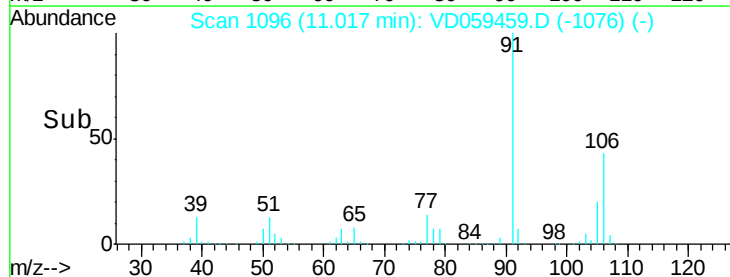
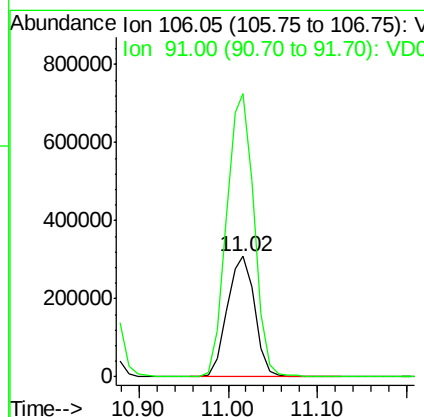
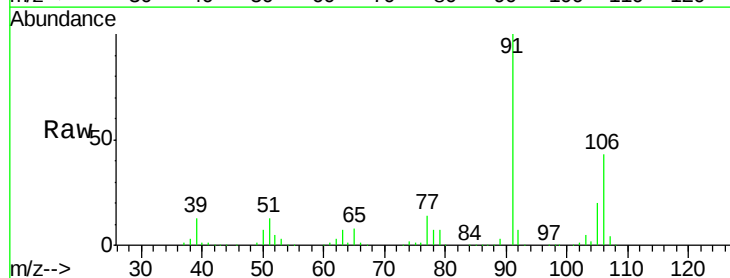
Instrument :
MSVOA_D
ClientSampled :

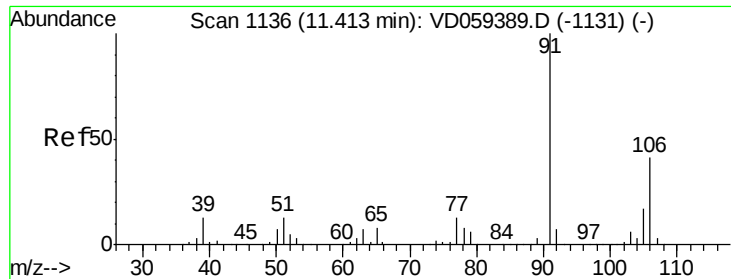
Tot Ion: 91 Resp: 1061938
Ion Ratio Lower Upper
91 100
106 26.4 22.3 33.5



#68
m/p-Xylenes
Concen: 96.762 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Tgt Ion: 106 Resp: 667905
Ion Ratio Lower Upper
106 100
91 234.6 191.0 286.6

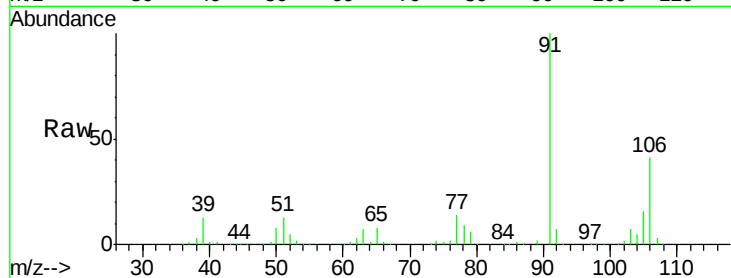




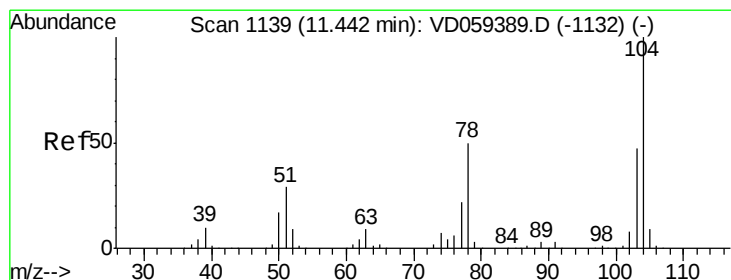
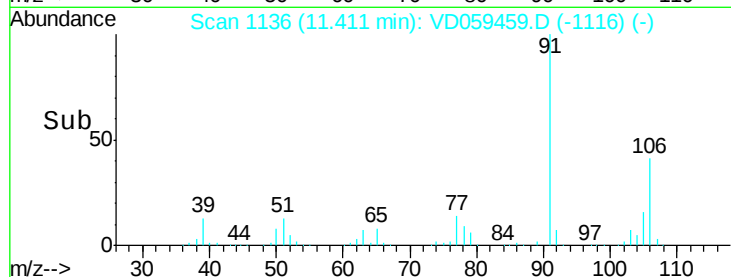
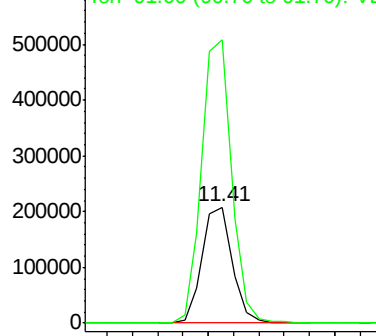
#69
o-Xylene
Concen: 50.514 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 344715
Ion Ratio Lower Upper
106 100
91 244.1 121.0 362.8

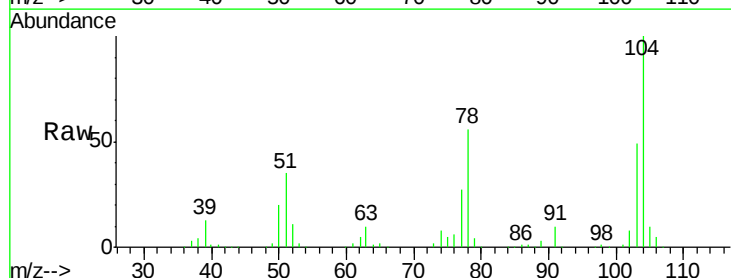


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

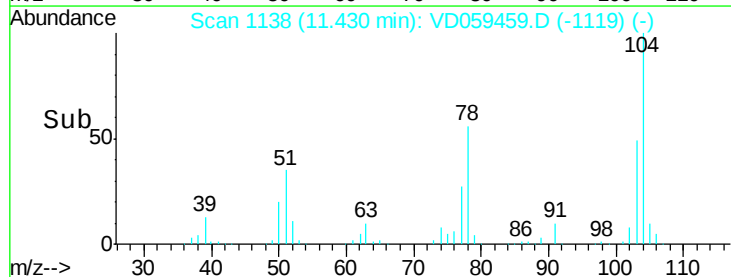
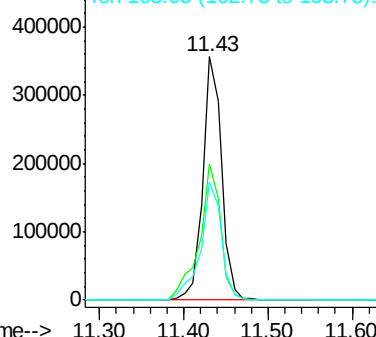


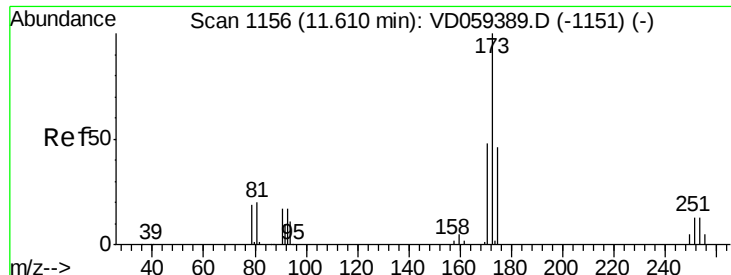
#70
Styrene
Concen: 47.068 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Tgt Ion:104 Resp: 550582
Ion Ratio Lower Upper
104 100
78 55.8 40.2 60.4
103 48.6 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

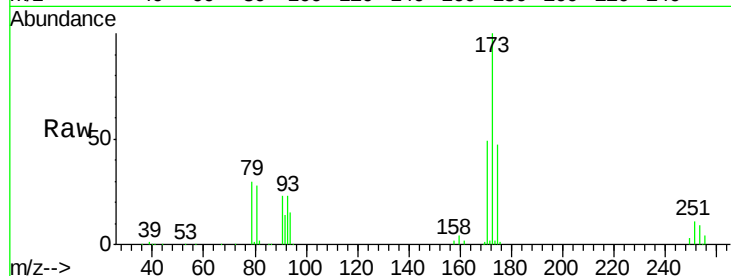




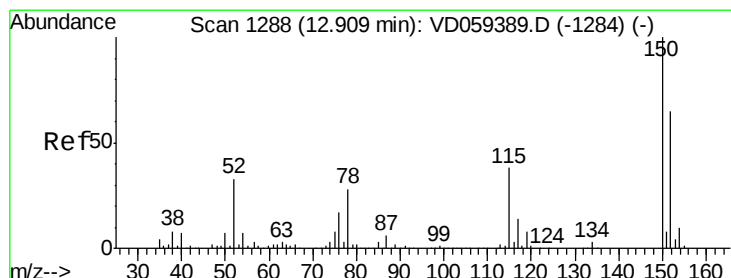
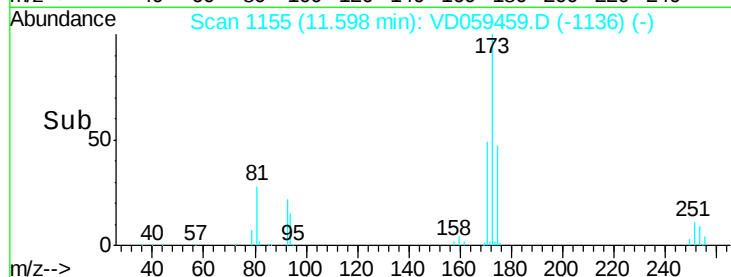
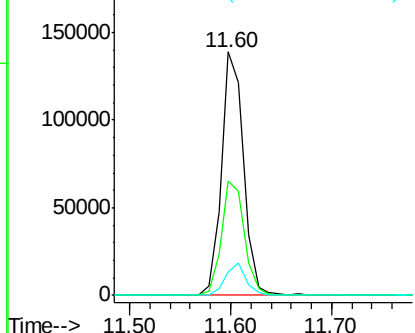
#71
Bromoform
Concen: 53.949 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 211516
Ion Ratio Lower Upper
173 100
175 47.2 22.8 68.4
254 9.5 10.1 15.1#

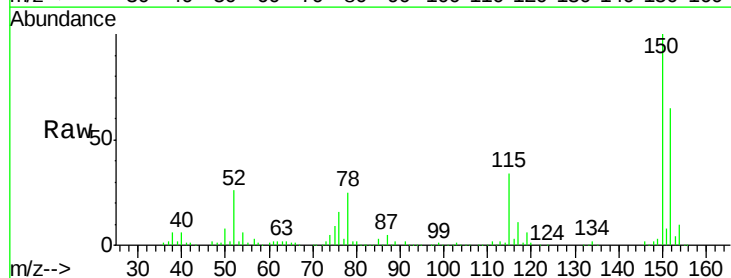


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

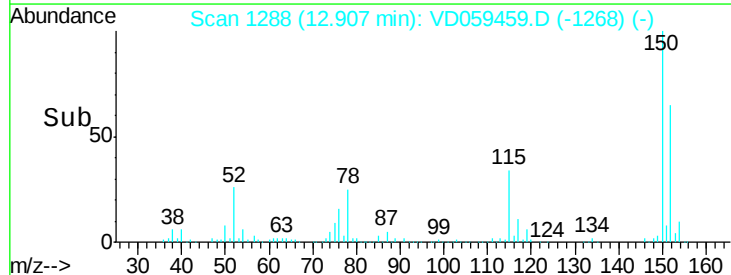
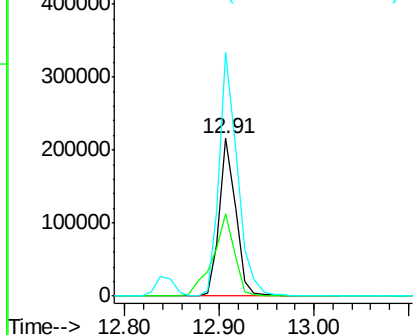


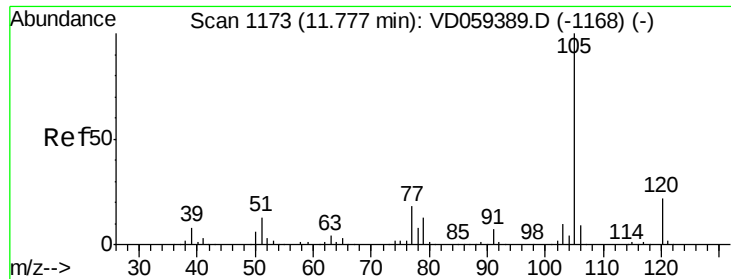
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Tgt Ion:152 Resp: 261148
Ion Ratio Lower Upper
152 100
115 51.9 29.4 88.3
150 154.4 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: 58.135 ug/l

RT: 11.78 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

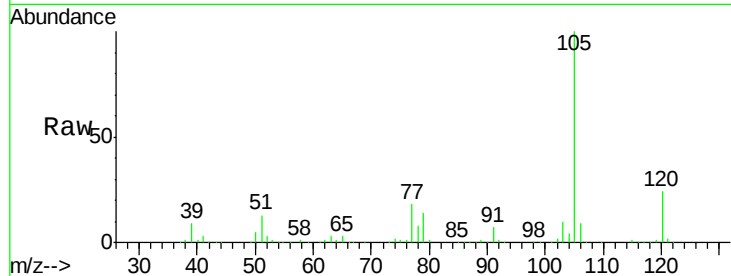
ClientSampled :

Tot Ion:105 Resp: 856740

Ion Ratio Lower Upper

105 100

120 23.9 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.78

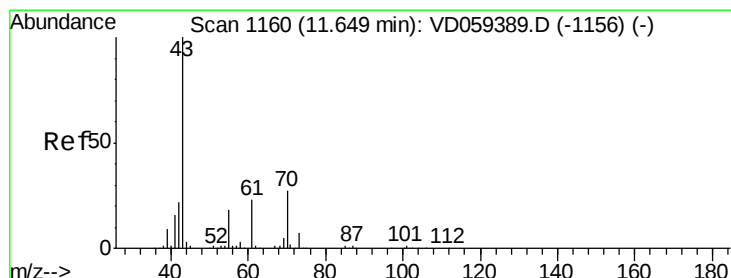
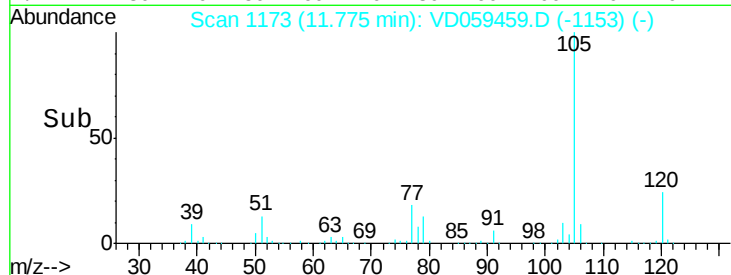
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 46.235 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Tgt Ion: 43 Resp: 259238

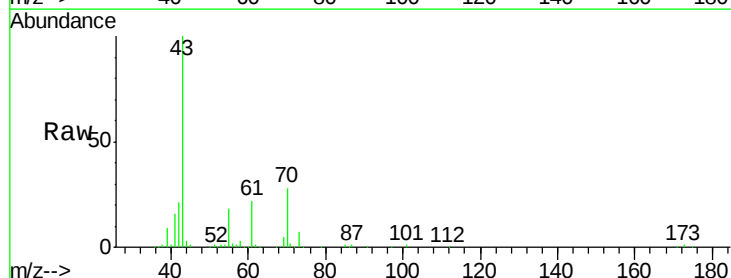
Ion Ratio Lower Upper

43 100

70 28.3 21.7 32.5

55 18.5 14.6 22.0

61 22.1 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

11.65

300000

250000

200000

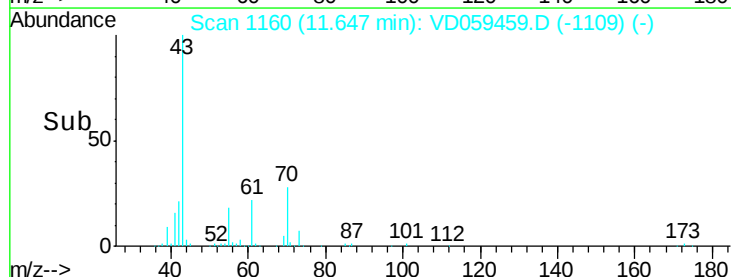
150000

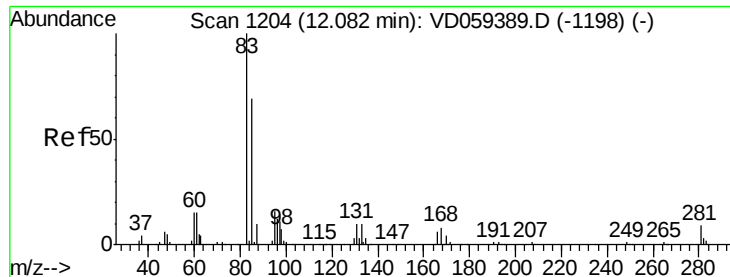
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.000 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

ClientSampleId :

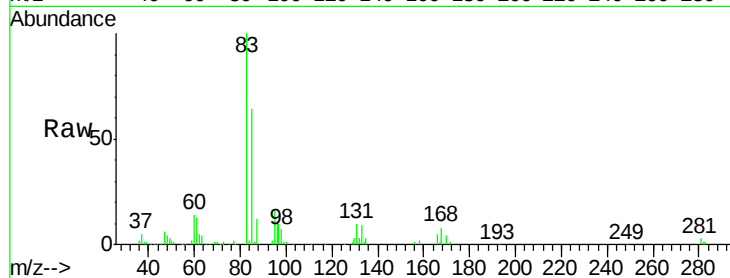
Tot Ion: 83 Resp: 190157

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.6
85	64.3	34.6	103.8

83 100

131 10.3 4.9 14.6

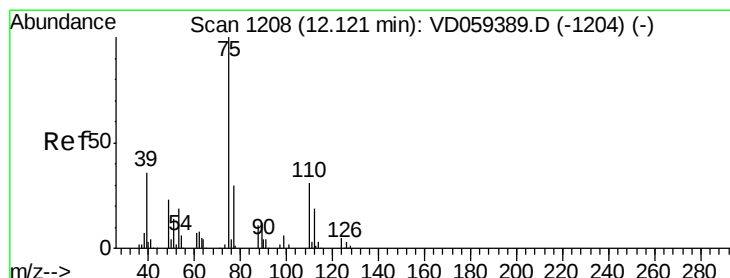
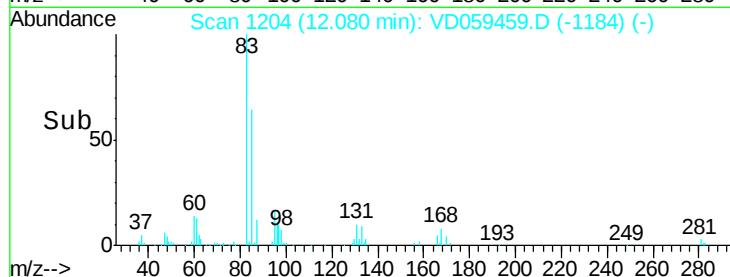
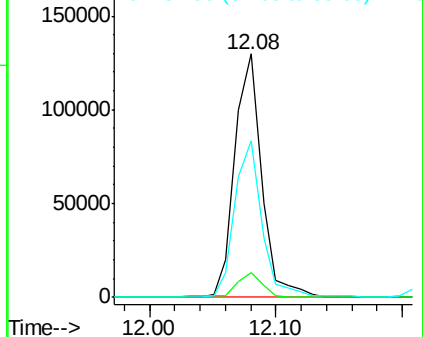
85 64.3 34.6 103.8



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: 73.356 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059459.D

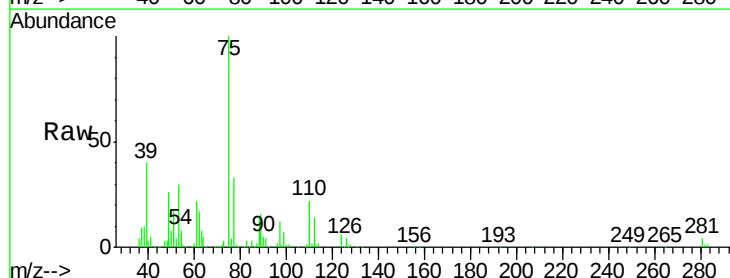
Acq: 27 Jun 2018 22:05

Tgt Ion: 75 Resp: 264239

Ion	Ratio	Lower	Upper
75	100		
77	32.7	15.6	46.8

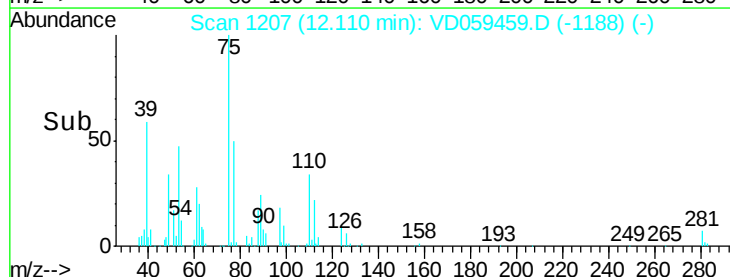
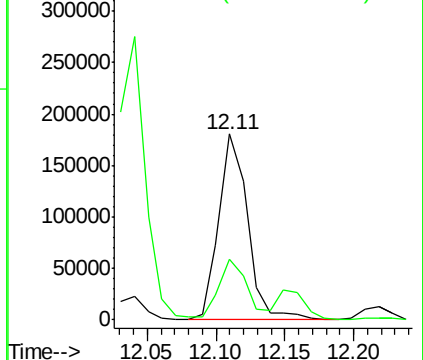
75 100

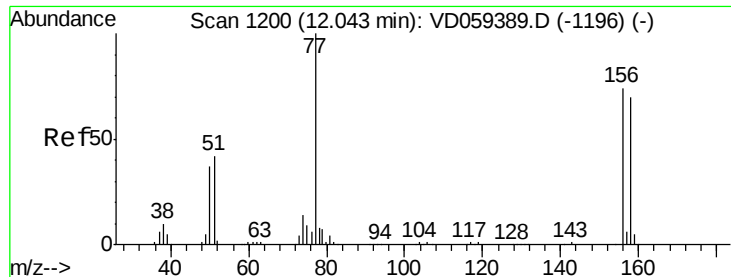
77 32.7 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 60.055 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

ClientSampleId :

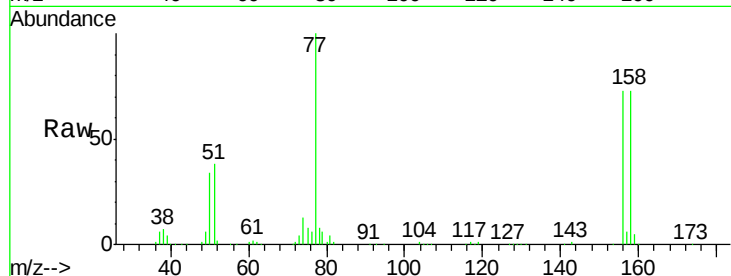
Tot Ion:156 Resp: 278552

Ion Ratio Lower Upper

156 100

77 136.2 68.0 203.8

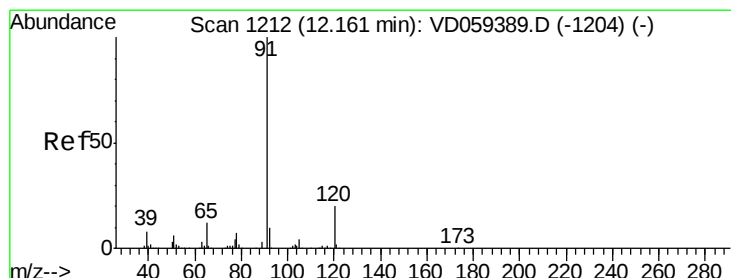
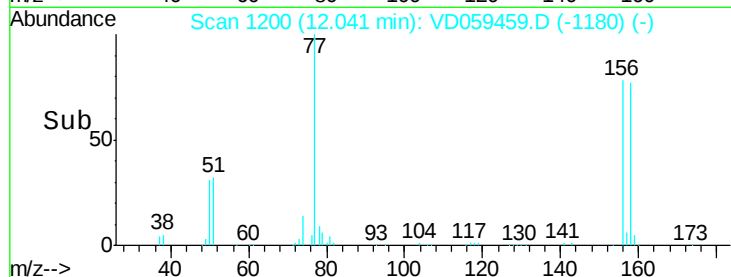
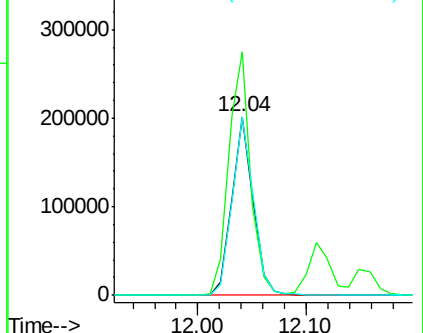
158 99.6 47.7 143.1



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: 54.400 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059459.D

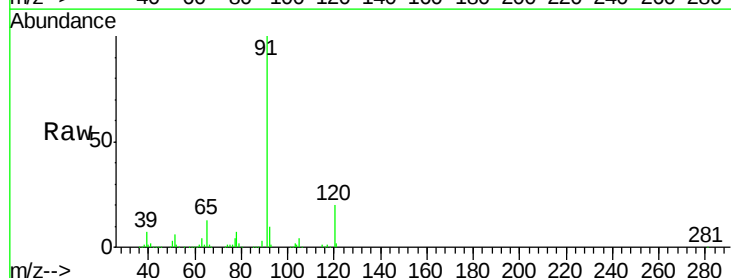
Acq: 27 Jun 2018 22:05

Tgt Ion: 91 Resp: 1015353

Ion Ratio Lower Upper

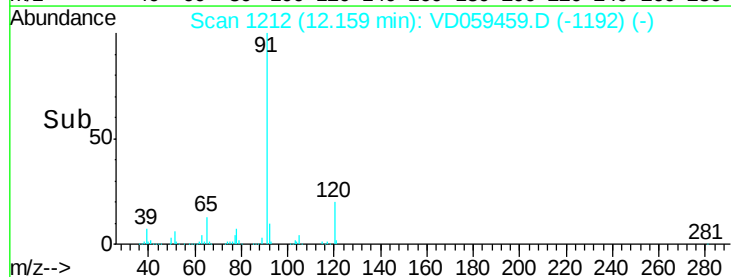
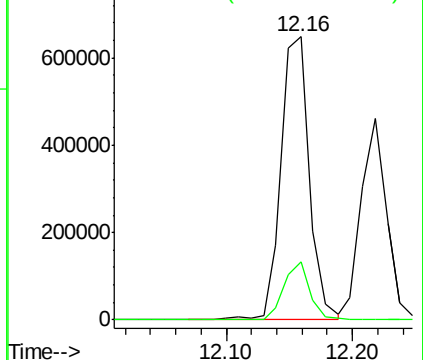
91 100

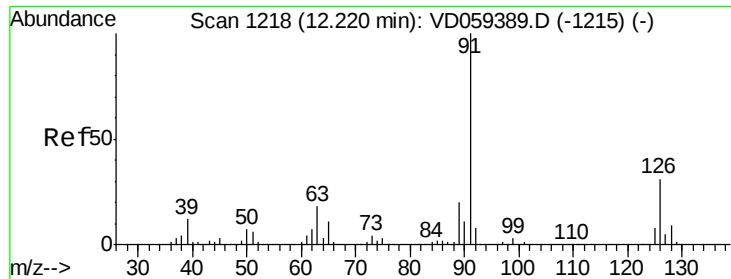
120 20.3 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

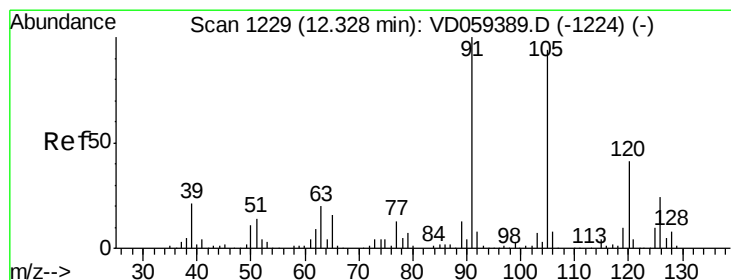
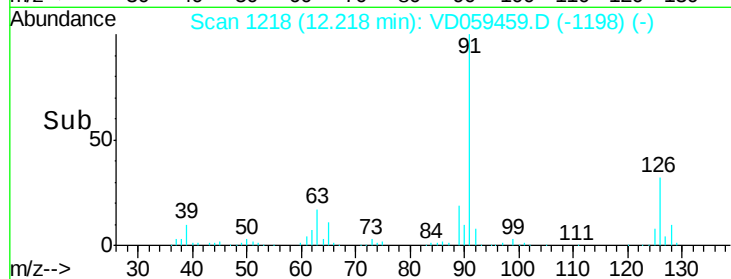
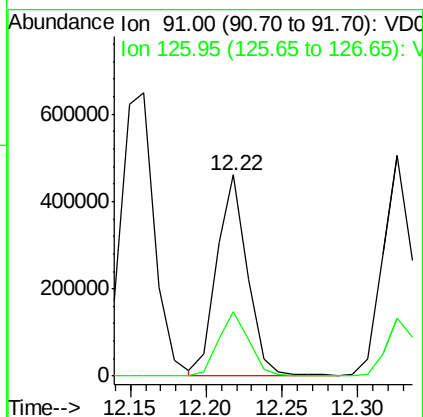
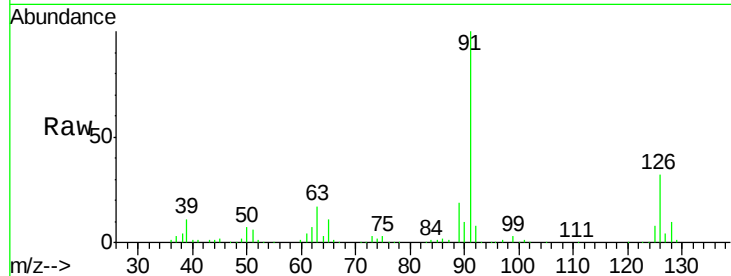




#79
 2-Chlorotoluene
 Concen: 59.031 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059459.D
 Acq: 27 Jun 2018 22:05

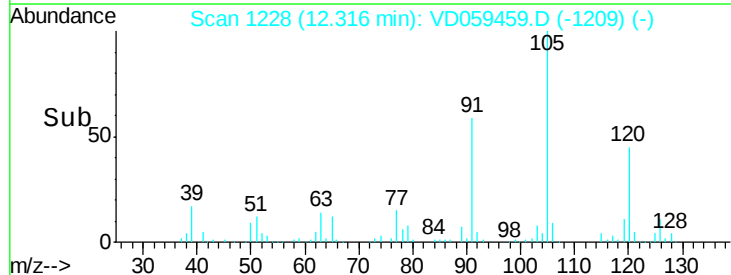
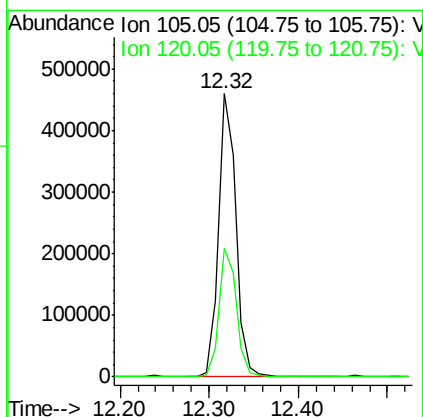
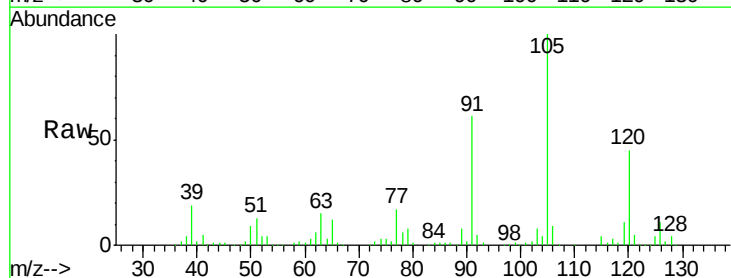
Instrument :
 MSVOA_D
 ClientSampleId :

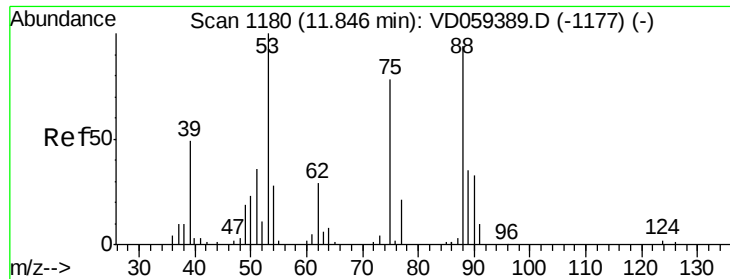
Tot Ion: 91 Resp: 647040
 Ion Ratio Lower Upper
 91 100
 126 32.0 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 53.586 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD059459.D
 Acq: 27 Jun 2018 22:05

Tgt Ion: 105 Resp: 628669
 Ion Ratio Lower Upper
 105 100
 120 45.4 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 69.584 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

ClientSampled :

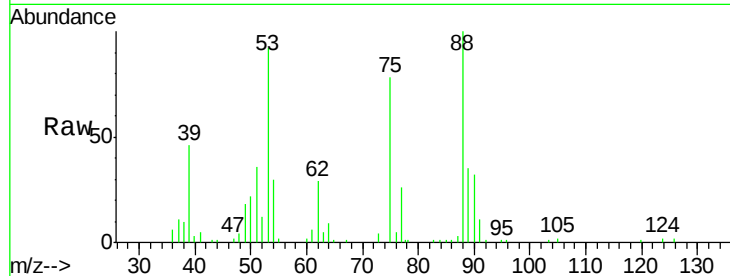
Tot Ion: 75 Resp: 56971

Ion Ratio Lower Upper

75 100

53 118.2 102.6 154.0

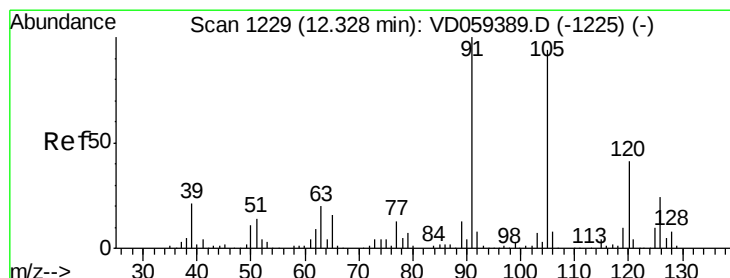
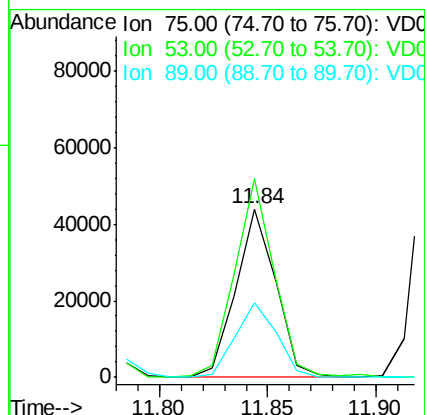
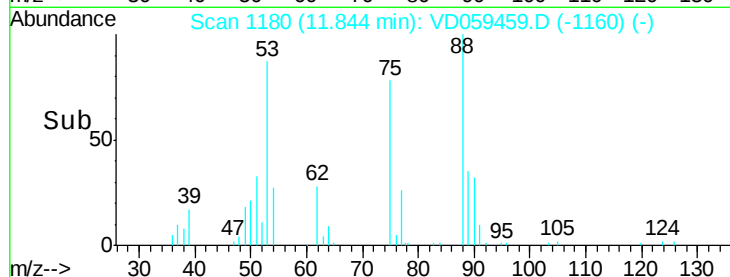
89 44.2 35.9 53.9



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: 54.891 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD059459.D

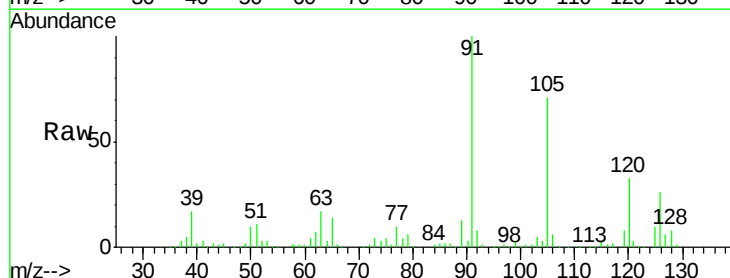
Acq: 27 Jun 2018 22:05

Tgt Ion: 91 Resp: 682248

Ion Ratio Lower Upper

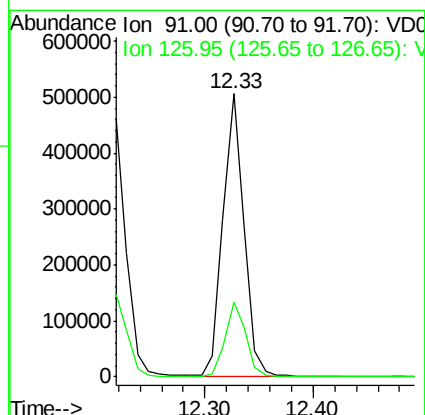
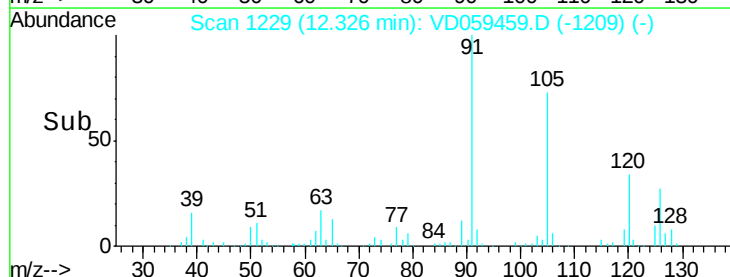
91 100

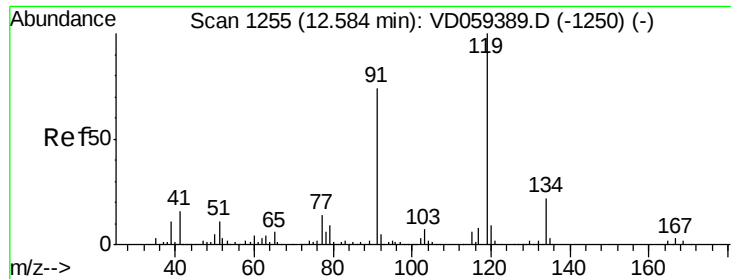
126 26.3 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 39.316 ug/l

RT: 12.57 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

ClientSampleId :

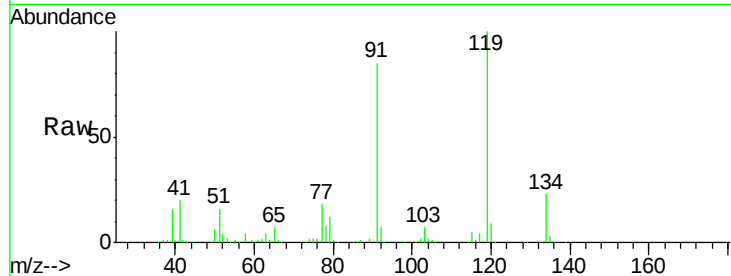
Tot Ion:119 Resp: 490651

Ion Ratio Lower Upper

119 100

91 84.6 36.9 110.7

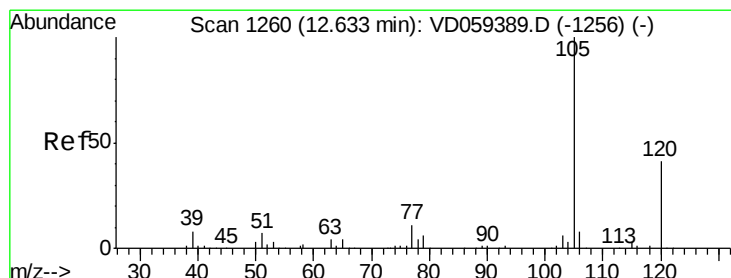
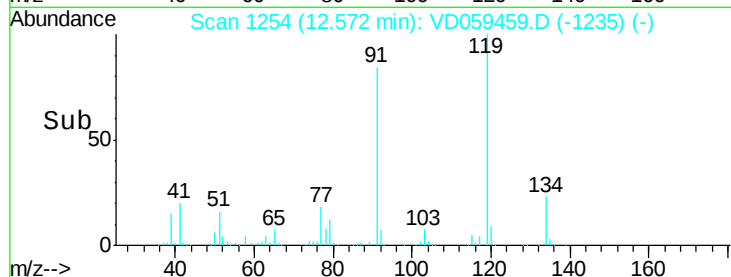
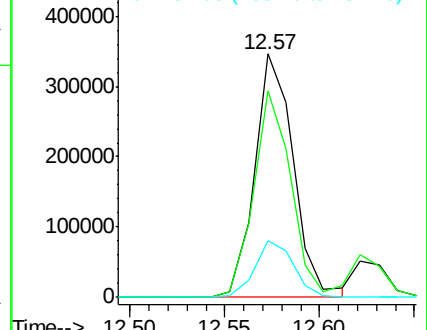
134 23.4 11.2 33.6



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: 54.900 ug/l

RT: 12.62 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VD059459.D

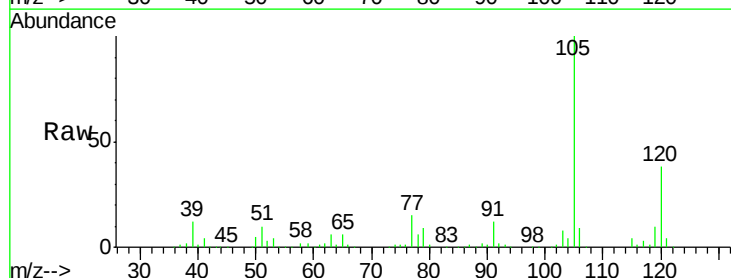
Acq: 27 Jun 2018 22:05

Tgt Ion:105 Resp: 681632

Ion Ratio Lower Upper

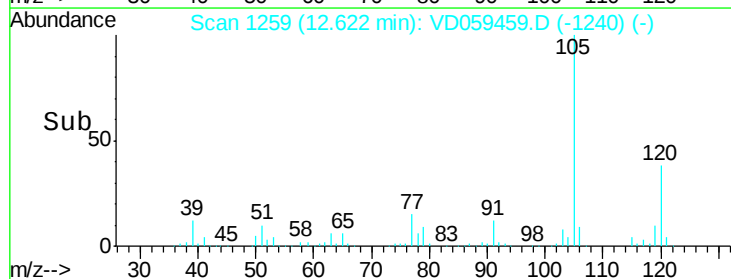
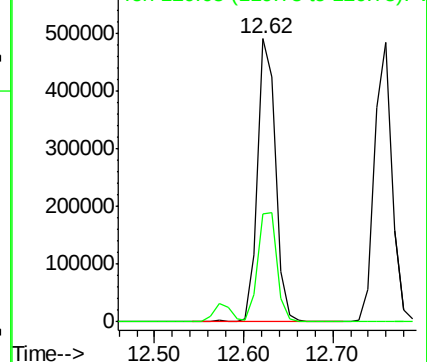
105 100

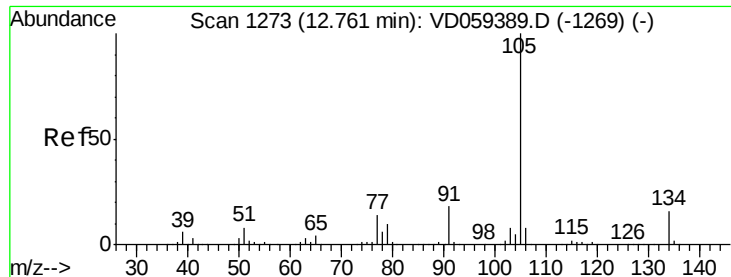
120 38.2 21.5 64.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 42.558 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

Instrument :

MSVOA_D

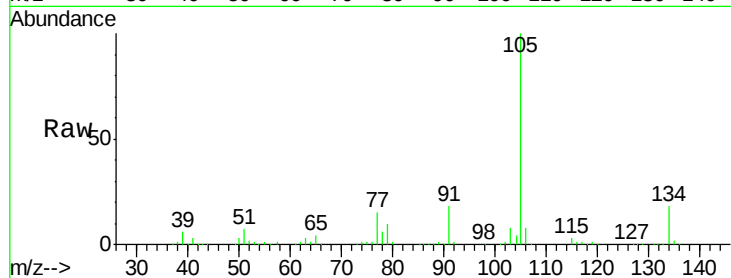
ClientSampleId :

Tot Ion:105 Resp: 651707

Ion Ratio Lower Upper

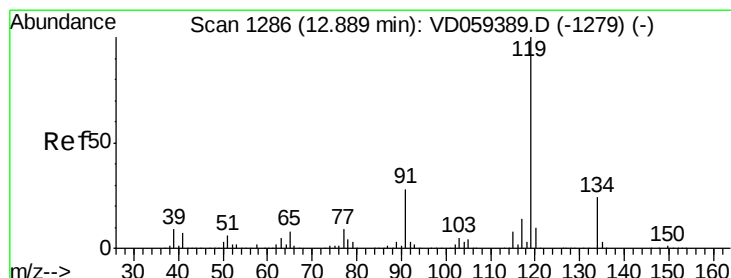
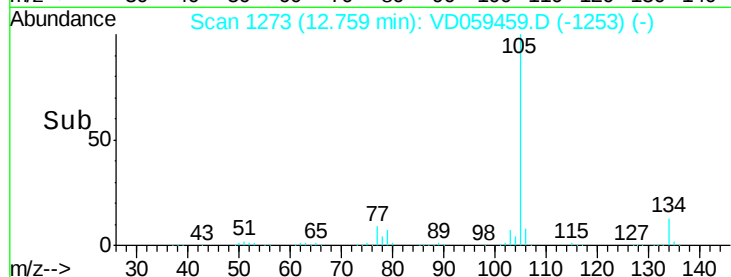
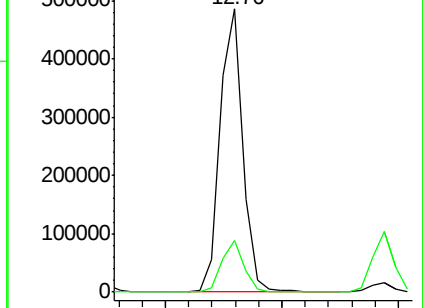
105 100

134 18.1 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 44.039 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059459.D

Acq: 27 Jun 2018 22:05

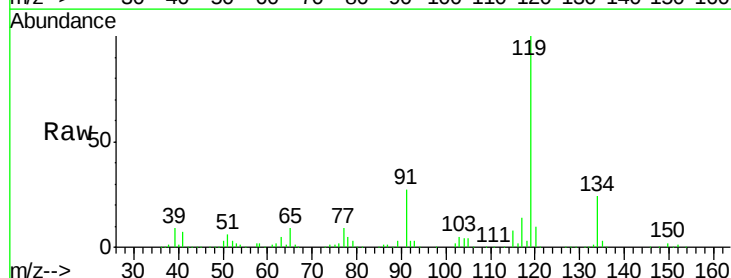
Tgt Ion:119 Resp: 543572

Ion Ratio Lower Upper

119 100

134 24.5 11.9 35.5

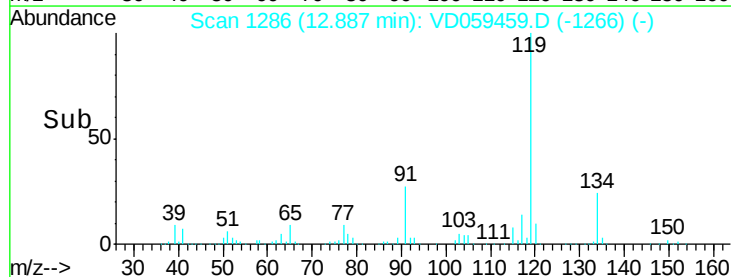
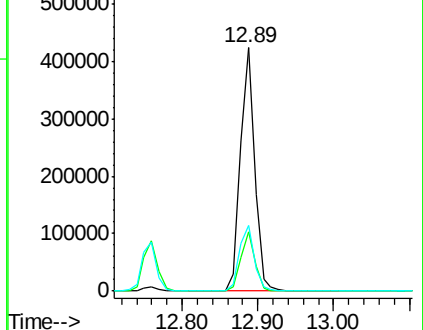
91 27.0 14.1 42.4

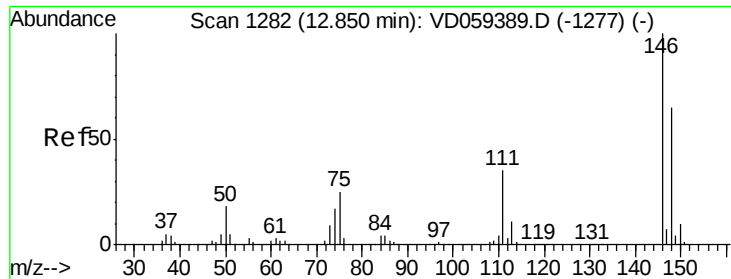


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

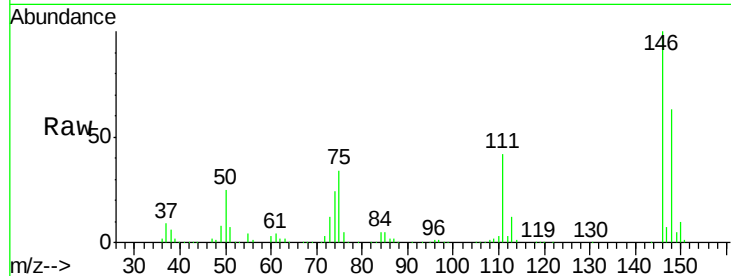




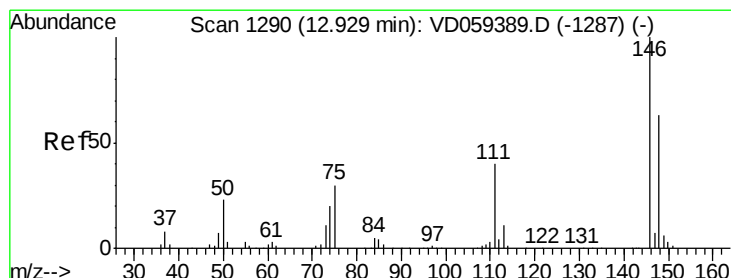
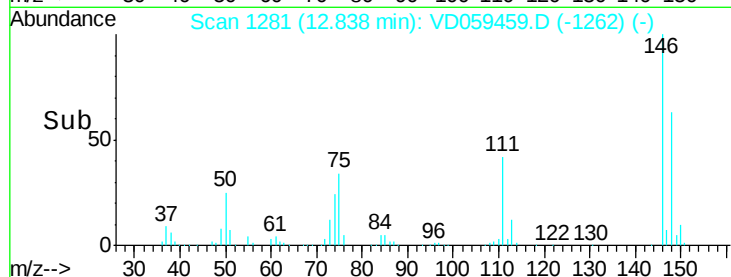
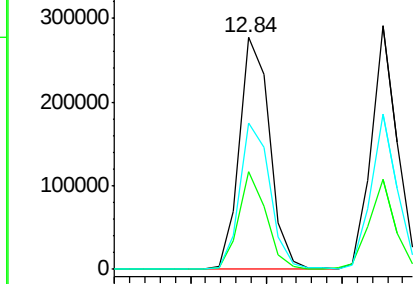
#87
 1,3-Dichlorobenzene
 Concen: 50.427 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD059459.D
 Acq: 27 Jun 2018 22:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 384792
 Ion Ratio Lower Upper
 146 100
 111 42.0 17.6 52.8
 148 63.2 32.4 97.2

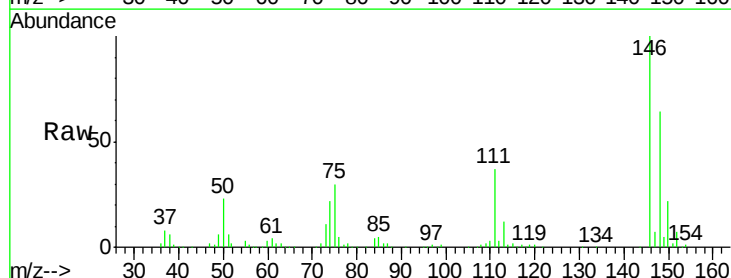


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

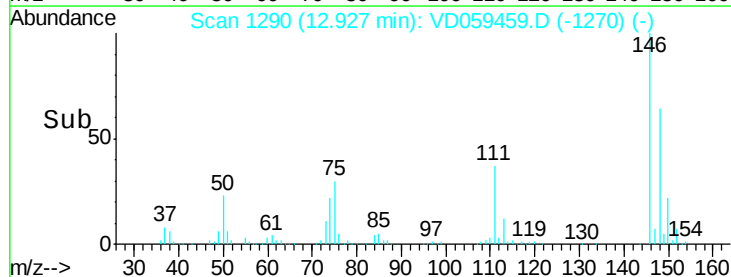
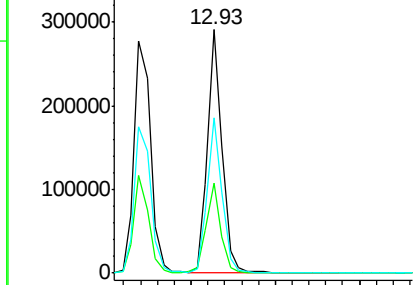


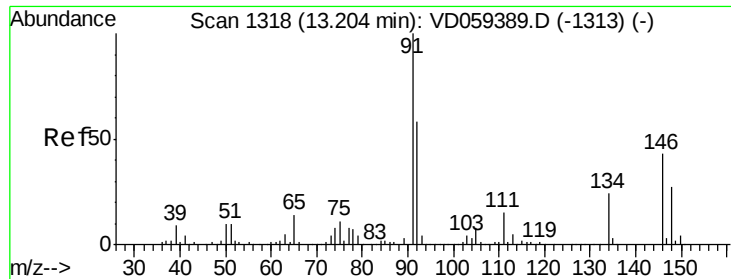
#88
 1,4-Dichlorobenzene
 Concen: 47.015 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD059459.D
 Acq: 27 Jun 2018 22:05

Tgt Ion:146 Resp: 354028
 Ion Ratio Lower Upper
 146 100
 111 37.0 20.1 60.2
 148 63.9 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

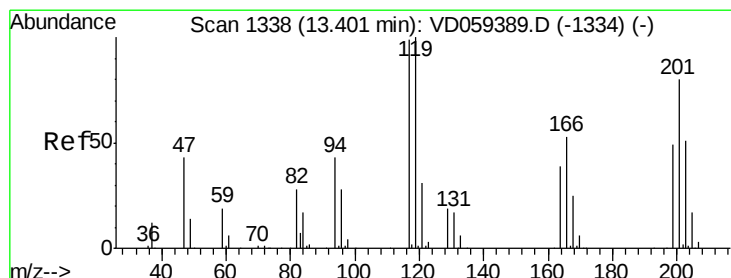
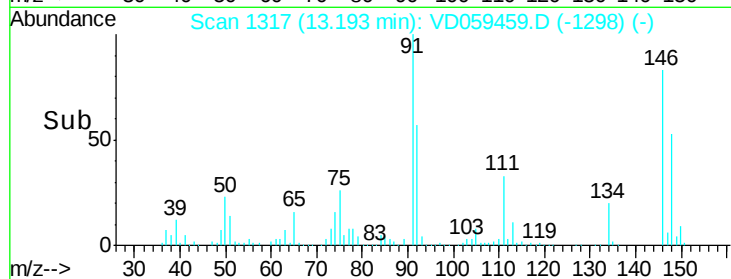
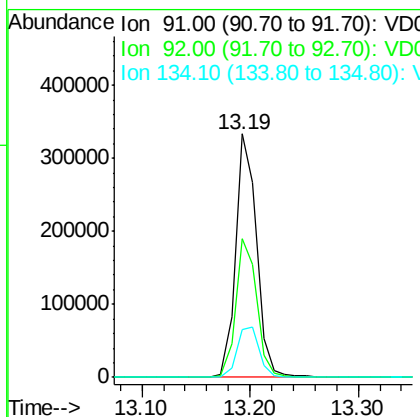
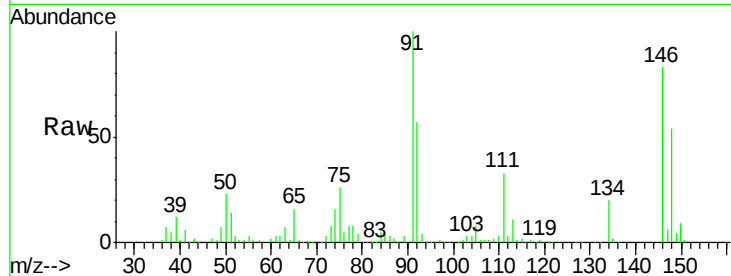




#89
n-Butylbenzene
Concen: 36.822 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

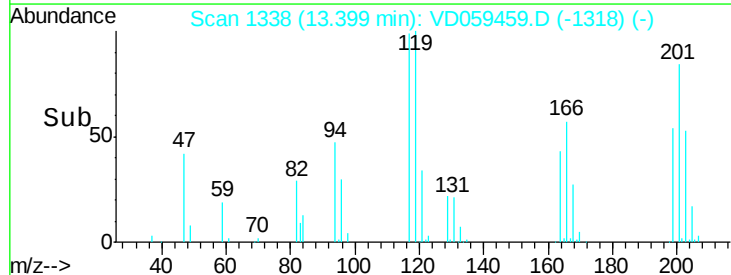
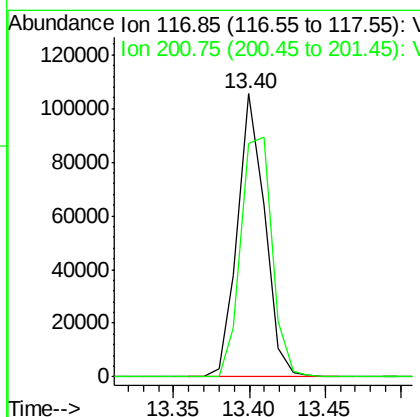
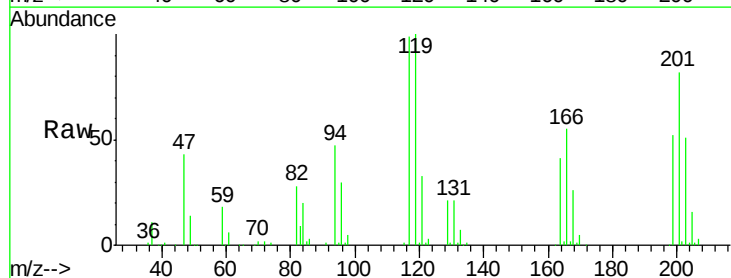
Instrument :
MSVOA_D
ClientSampleId :

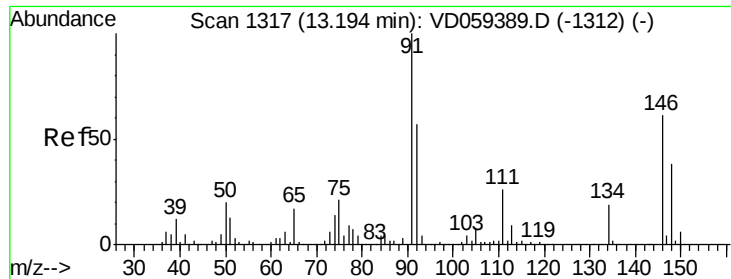
Tot Ion: 91 Resp: 448633
Ion Ratio Lower Upper
91 100
92 57.1 28.8 86.5
134 19.5 11.9 35.7



#90
Hexachloroethane
Concen: 42.818 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Tgt Ion: 117 Resp: 131857
Ion Ratio Lower Upper
117 100
201 82.6 40.1 120.3

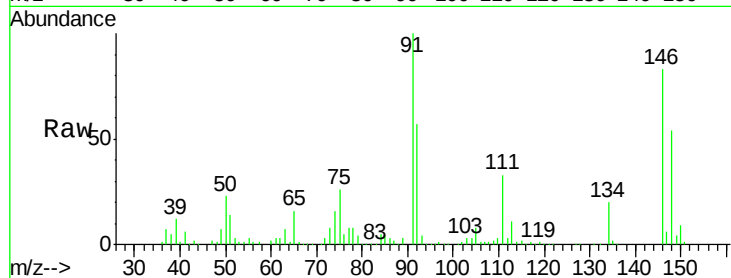




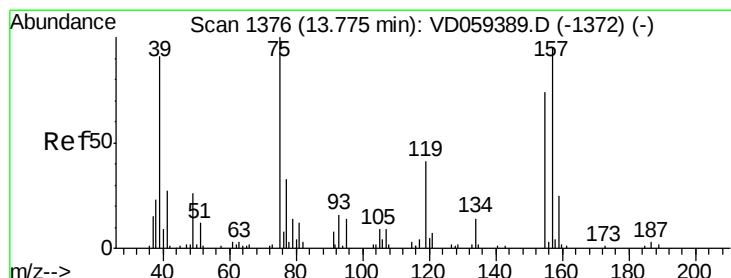
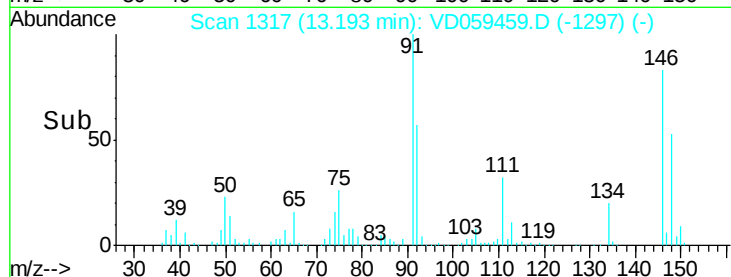
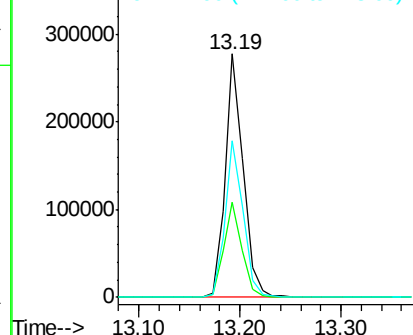
#91
 1,2-Dichlorobenzene
 Concen: 53.619 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD059459.D
 Acq: 27 Jun 2018 22:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 346907
 Ion Ratio Lower Upper
 146 100
 111 39.1 21.4 64.2
 148 64.3 31.6 95.0

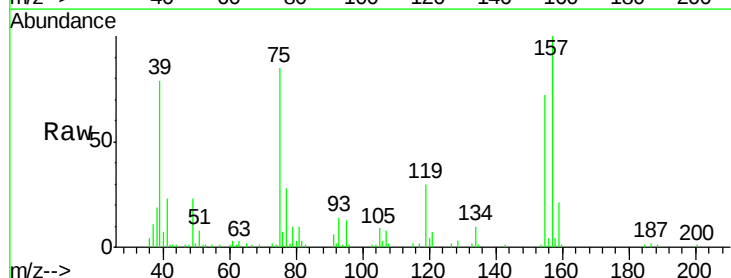


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

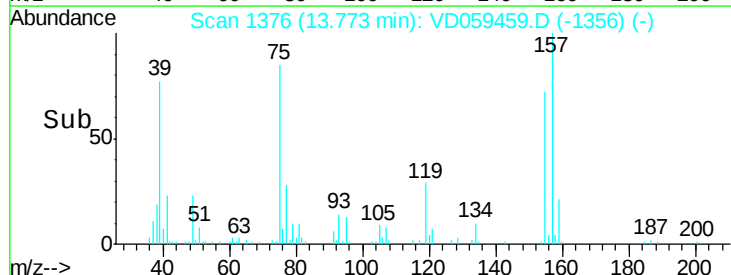
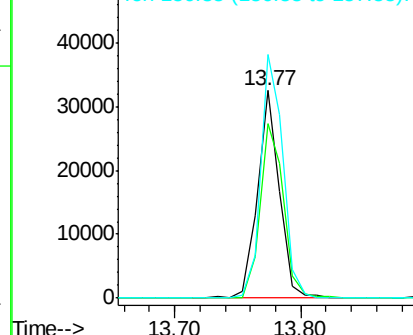


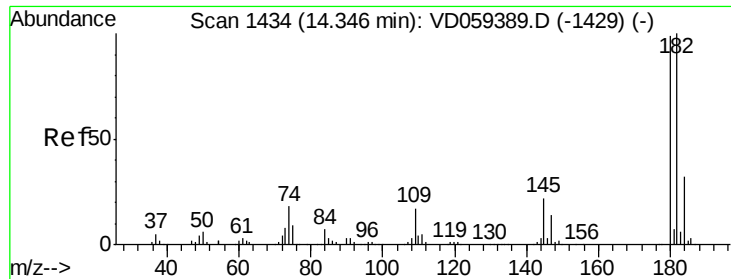
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 68.725 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD059459.D
 Acq: 27 Jun 2018 22:05

Tgt Ion: 75 Resp: 39180
 Ion Ratio Lower Upper
 75 100
 155 84.1 37.2 111.6
 157 117.3 47.4 142.2



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

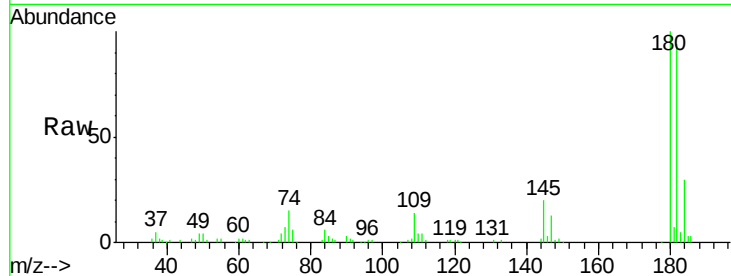




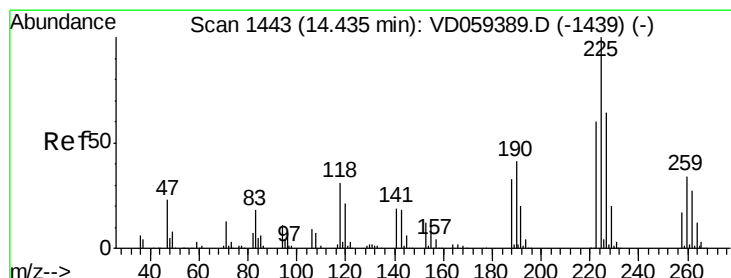
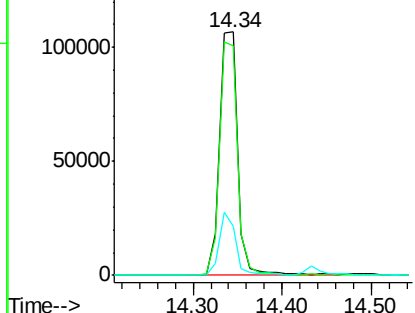
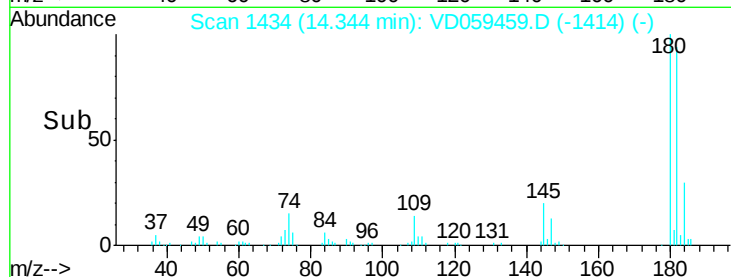
#93
 1,2,4-Trichlorobenzene
 Concen: 25.834 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059459.D
 Acq: 27 Jun 2018 22:05

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 154527
 Ion Ratio Lower Upper
 180 100
 182 94.3 50.4 151.2
 145 20.4 11.0 33.0

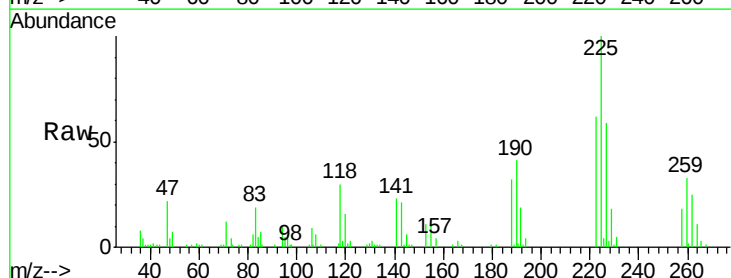


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

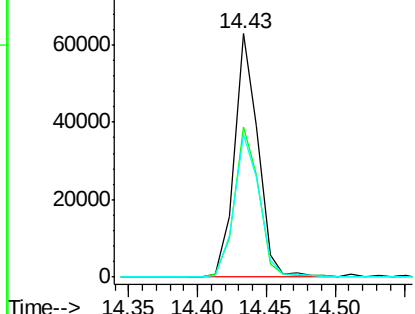
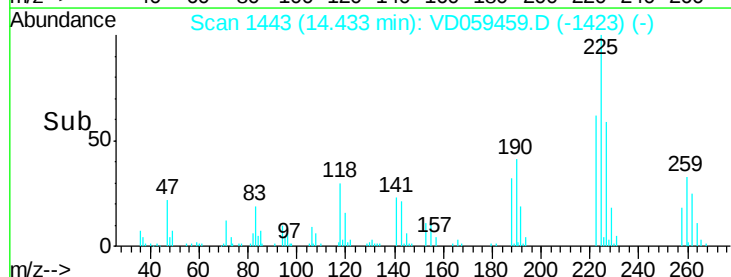


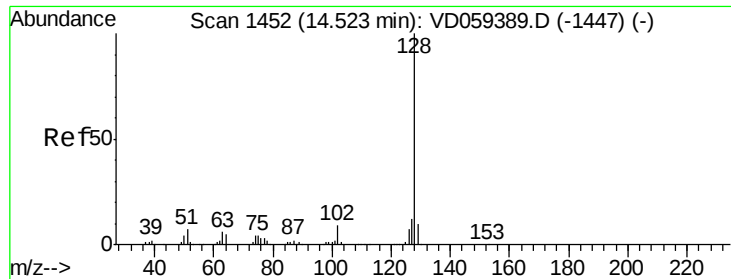
#94
 Hexachlorobutadiene
 Concen: 16.694 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059459.D
 Acq: 27 Jun 2018 22:05

Tgt Ion:225 Resp: 75139
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.0 90.1
 227 58.6 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

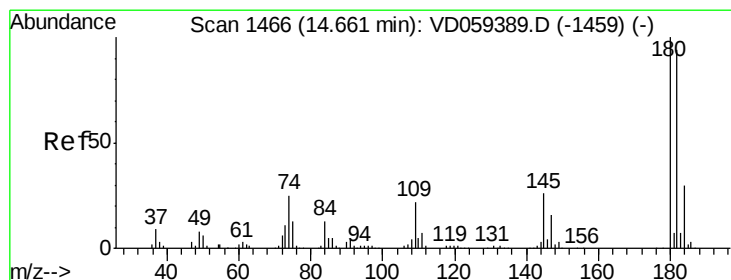
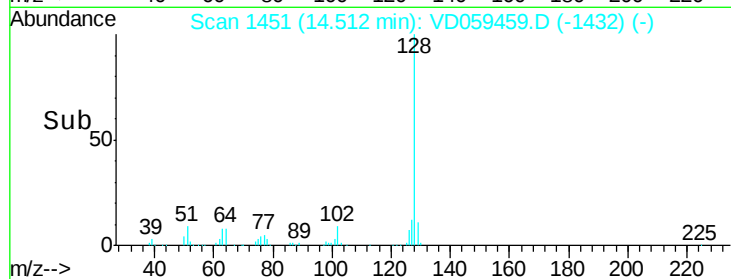
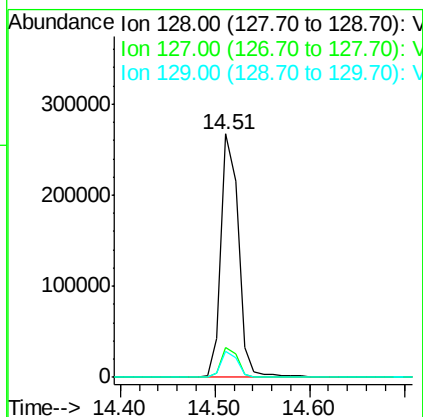
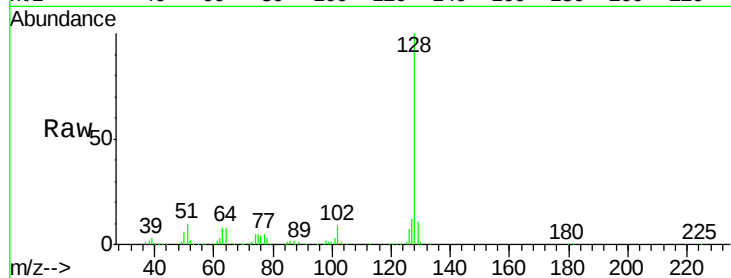




#95
Naphthalene
Concen: 40.900 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 340962
Ion Ratio Lower Upper
128 100
127 12.4 9.6 14.4
129 10.8 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 23.714 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD059459.D
Acq: 27 Jun 2018 22:05

Tgt Ion:180 Resp: 127537
Ion Ratio Lower Upper
180 100
182 93.9 47.1 141.4
145 27.9 13.1 39.3

