

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059411.D
 Acq On : 25 Jun 2018 20:58
 Operator : VA/AP
 Sample : J3663-02
 Misc : 5.60g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618RE

Quant Time: Jun 26 06:48:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	724265	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.67	114	960274	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.68	117	743677	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	377927	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	323199	43.64	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	87.28%	
35) Dibromofluoromethane	5.53	113	332281	42.48	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	84.96%	
50) Toluene-d8	8.69	98	737439	40.33	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	80.66%	
62) 4-Bromofluorobenzene	11.92	95	306985	40.36	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	80.72%	

Target Compounds					Qvalue
5) Bromomethane	1.81	94	667	Below Cal	# 4
11) Tert butyl alcohol	3.24	59	6696	26.133	ug/l # 72
13) Acrolein	2.45	56	1970	8.600	ug/l # 81
16) Acetone	2.60	43	654206	699.848	ug/l 95
18) Methyl Acetate	2.93	43	4609	Below Cal	# 66
20) Methylene Chloride	3.06	84	21817	6.232	ug/l # 72
25) 2-Butanone	4.81	43	463088	236.488	ug/l 95
27) cis-1,2-Dichloroethene	4.78	96	295393	41.659	ug/l 85
29) Tetrahydrofuran	5.17	42	3374	3.150	ug/l # 66
31) Cyclohexane	5.63	56	18827	Below Cal	# 10
36) 1,1-Dichloropropene	5.63	75	55478	6.369	ug/l # 51
37) Ethyl Acetate	4.81	43	469816	88.562	ug/l # 58
38) Carbon Tetrachloride	5.63	117	59355	6.609	ug/l # 16
39) Methylcyclohexane	7.27	83	17480	2.116	ug/l # 84
40) Benzene	6.00	78	48365	2.314	ug/l 98
41) Methacrylonitrile	5.17	41	3599	1.409	ug/l # 58
43) Isopropyl Acetate	7.48	43	9306	1.397	ug/l # 46
44) Trichloroethene	6.97	130	17470	2.552	ug/l 81
48) Methyl methacrylate	7.47	41	5462	1.346	ug/l # 46
49) 1,4-Dioxane	7.47	88	203	4.987	ug/l # 1
51) 4-Methyl-2-Pentanone	8.58	43	463125	104.322	ug/l 97
52) Toluene	8.79	92	102660	8.223	ug/l 91
55) 1,1,2-Trichloroethane	9.45	97	8360	1.844	ug/l 88
59) 2-Hexanone	9.77	43	55066	17.452	ug/l 90
64) Tetrachloroethene	9.50	164	7700	1.180	ug/l # 90
65) Chlorobenzene	10.72	112	2095908	154.130	ug/l 96
67) Ethyl Benzene	10.85	91	100012	4.359	ug/l 98
68) m/p-Xylenes	10.99	106	142300	18.692	ug/l 93
69) o-Xylene	11.40	106	17674	2.348	ug/l 89
73) Isopropylbenzene	11.76	105	46808	2.195	ug/l 87
74) N-amyl acetate	11.66	43	39053	4.813	ug/l # 1
75) 1,1,2,2-Tetrachloroethane	12.08	83	13864	2.771	ug/l # 65
78) n-propylbenzene	12.14	91	99085	3.668	ug/l 94
79) 2-Chlorotoluene	12.22	91	50366	3.175	ug/l # 44

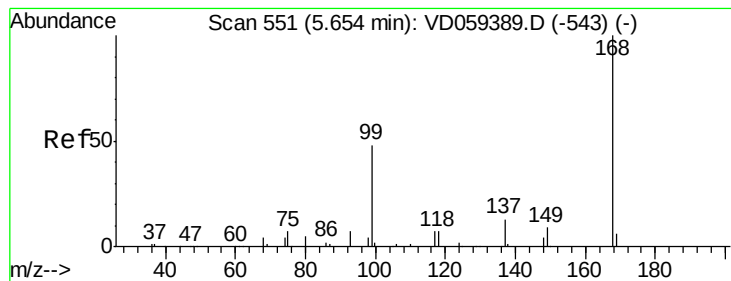
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.31	105	248039	14.609	µg/l	99
81) trans-1,4-Dichloro-2-buten	11.92	75	146269	123.449	µg/l #	2
82) 4-Chlorotoluene	12.31	91	36267	2.016	µg/l #	57
83) tert-Butylbenzene	12.57	119	18484	1.023	µg/l	96
84) 1,2,4-Trimethylbenzene	12.62	105	651583	36.263	µg/l	95
85) sec-Butylbenzene	12.75	105	63405	2.861	µg/l	91
86) p-Isopropyltoluene	12.88	119	40525	2.269	µg/l	96
87) 1,3-Dichlorobenzene	12.83	146	795611	72.046	µg/l	96
88) 1,4-Dichlorobenzene	12.92	146	1543931	141.679	µg/l	98
90) Hexachloroethane	13.39	117	17425	3.910	µg/l #	9
91) 1,2-Dichlorobenzene	13.20	146	6166291	658.584	µg/l	94
92) 1,2-Dibromo-3-Chloropropan	13.77	75	5031	6.098	µg/l #	7
93) 1,2,4-Trichlorobenzene	14.33	180	42151	4.869	µg/l	96
95) Naphthalene	14.51	128	351632	29.146	µg/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	8874	1.140	µg/l	88

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.03 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Instrument :

MSVOA_D

ClientSampleId :

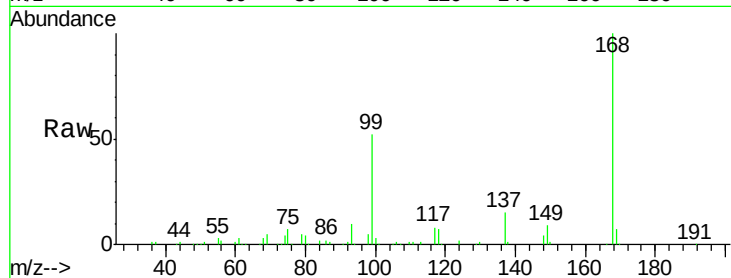
WP021SB472-13-15-180618RE

Tot Ion:168 Resp: 724265

Ion Ratio Lower Upper

168 100

99 52.0 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

250000

200000

150000

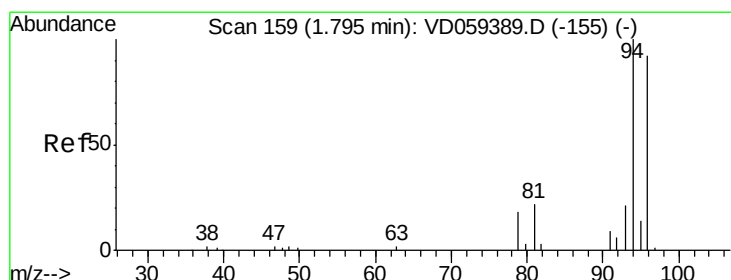
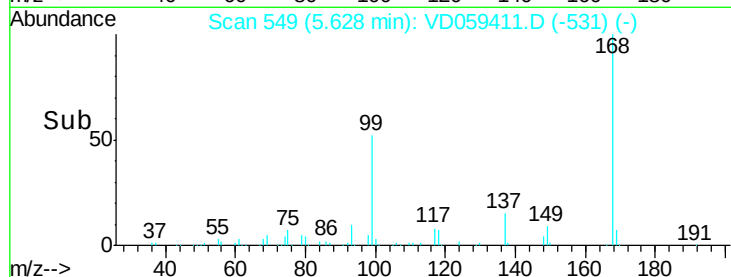
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.81 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD059411.D

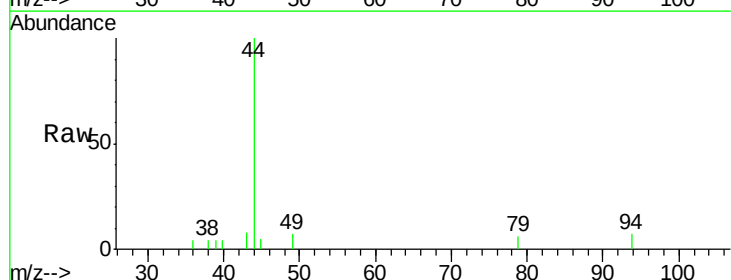
Acq: 25 Jun 2018 20:58

Tgt Ion: 94 Resp: 667

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.81

600

500

400

300

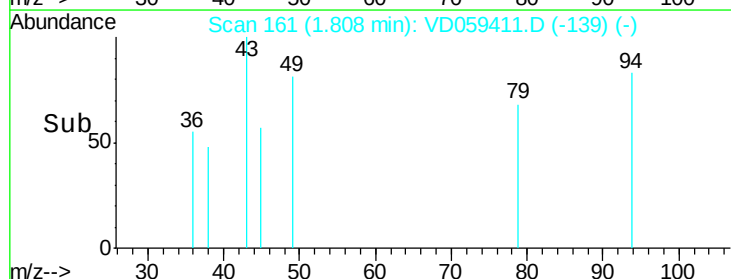
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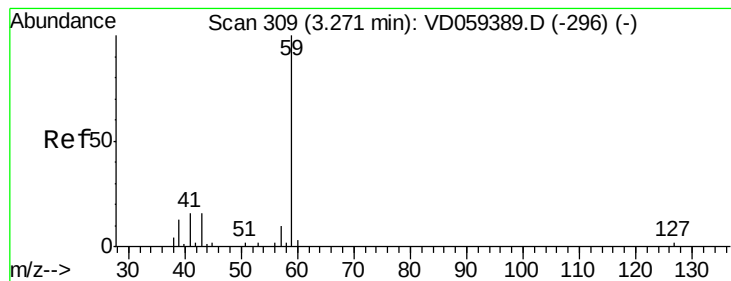
100

0

Time-->

1.76 1.78 1.80 1.82 1.84



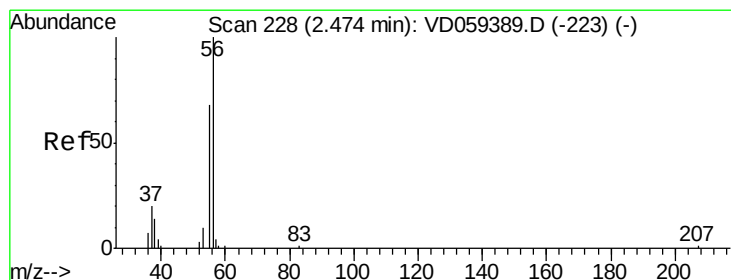
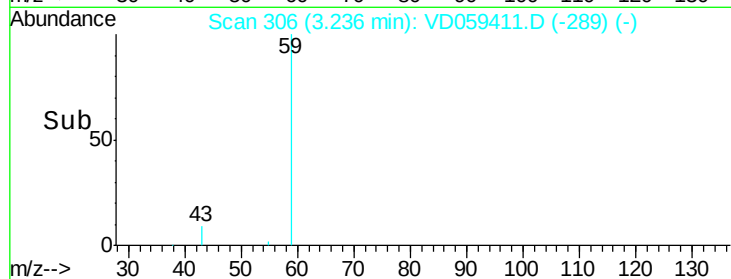
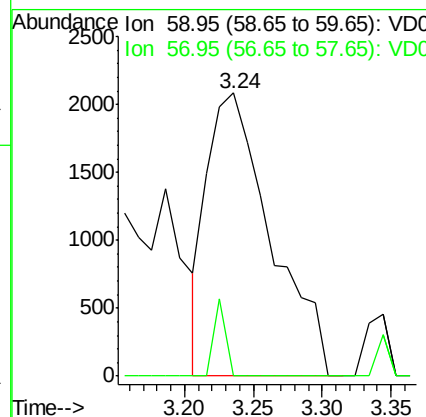
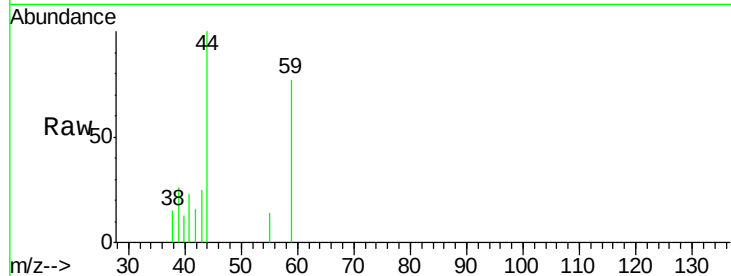


#11

Tert butyl alcohol
 Concen: 26.133 ug/l
 RT: 3.24 min Scan# 306
 Delta R.T. -0.04 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618RE

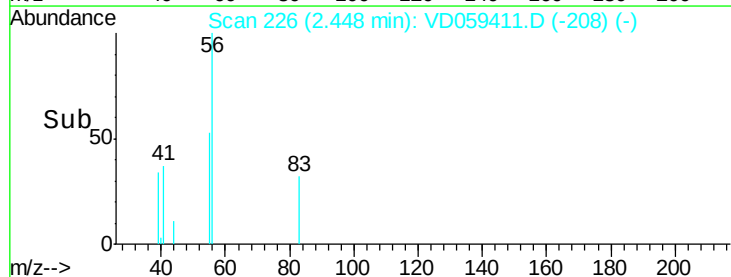
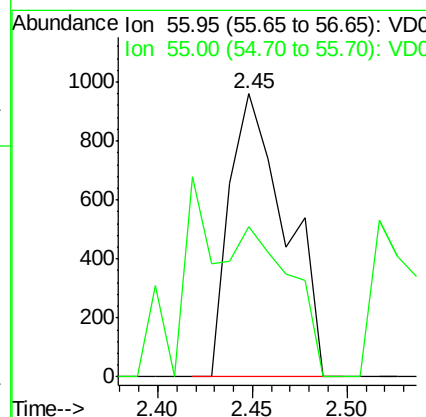
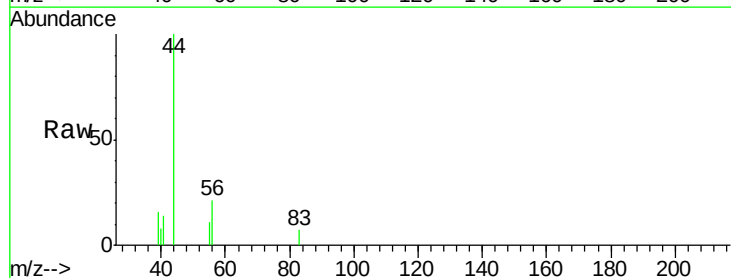
Tot Ion: 59 Resp: 6696
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

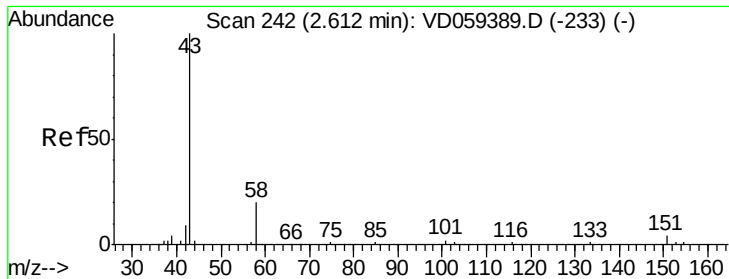


#13

Acrolein
 Concen: 8.600 ug/l
 RT: 2.45 min Scan# 226
 Delta R.T. -0.03 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

Tgt Ion: 56 Resp: 1970
 Ion Ratio Lower Upper
 56 100
 55 53.0 54.6 82.0#





#16

Acetone

Concen: 699.848 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Instrument :

MSVOA_D

ClientSampleId :

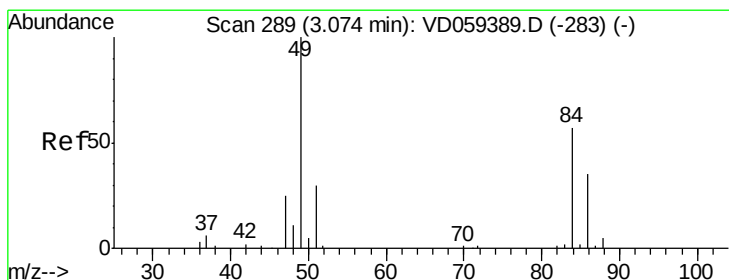
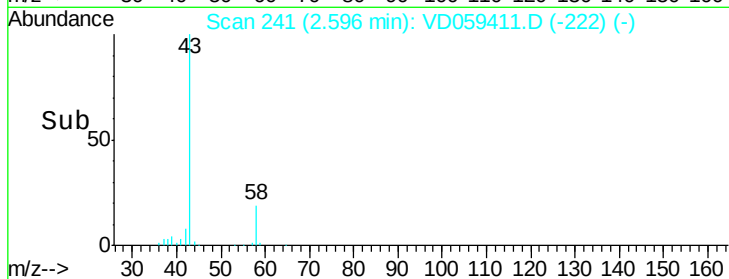
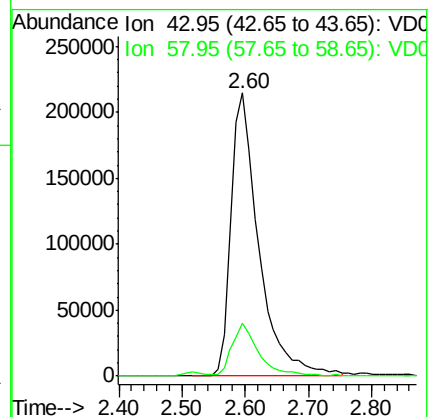
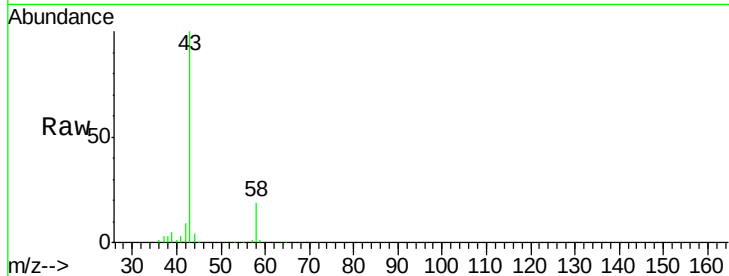
WP021SB472-13-15-180618RE

Tot Ion: 43 Resp: 654206

Ion Ratio Lower Upper

43 100

58 18.5 16.8 25.2



#20

Methylene Chloride

Concen: 6.232 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.02 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Tgt Ion: 84 Resp: 21817

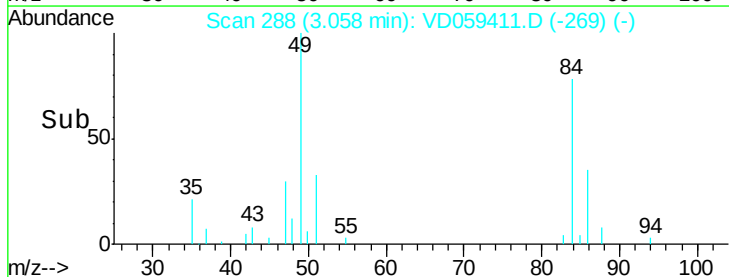
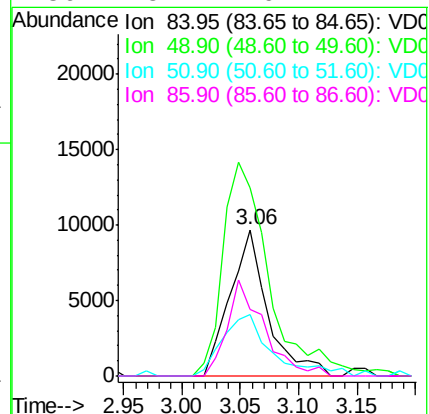
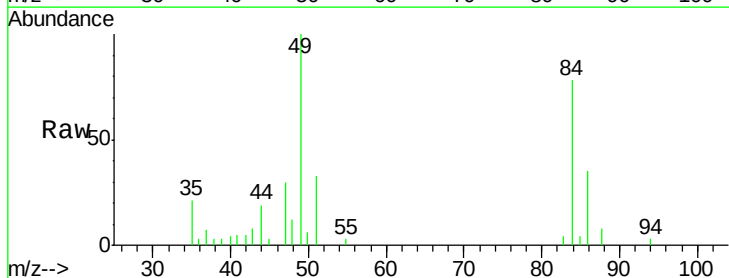
Ion Ratio Lower Upper

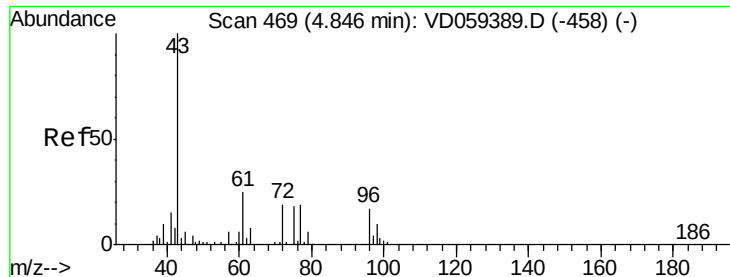
84 100

49 128.4 140.3 210.5#

51 42.2 41.6 62.4

86 45.2 49.4 74.2#





#25

2-Butanone

Concen: 236.488 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.04 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Instrument :

MSVOA_D

ClientSampleId :

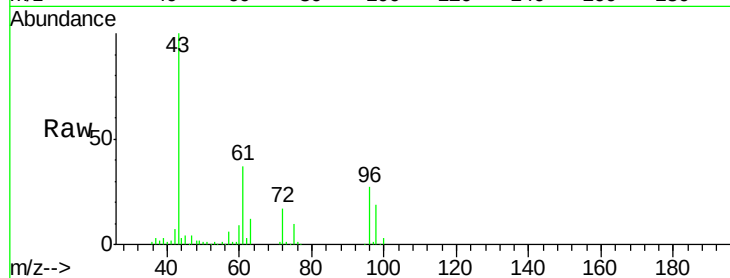
WP021SB472-13-15-180618RE

Tot Ion: 43 Resp: 463088

Ion Ratio Lower Upper

43 100

72 17.0 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.81

150000

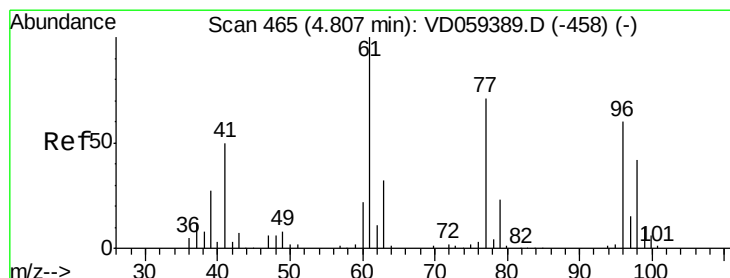
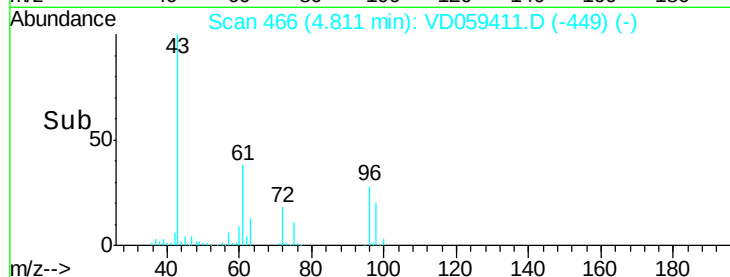
100000

50000

0

4.70 4.80 4.90 5.00

Time-->



#27

cis-1,2-Dichloroethene

Concen: 41.659 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

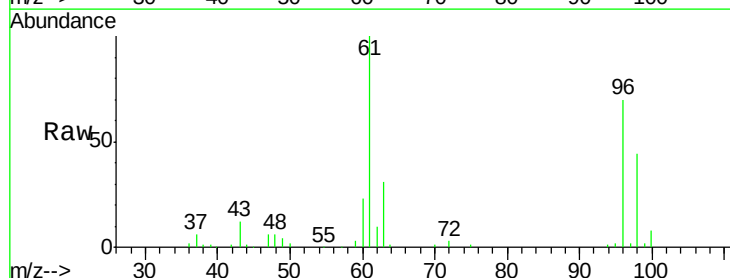
Tgt Ion: 96 Resp: 295393

Ion Ratio Lower Upper

96 100

61 143.8 0.0 335.8

98 63.7 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

4.78

200000

150000

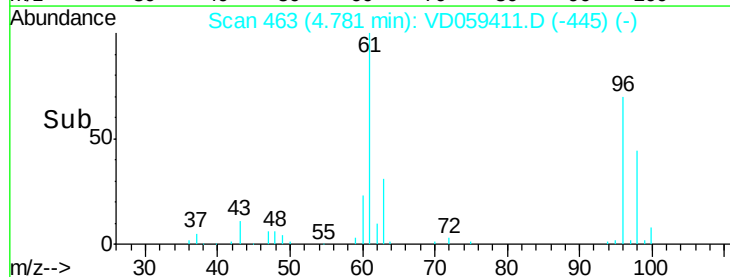
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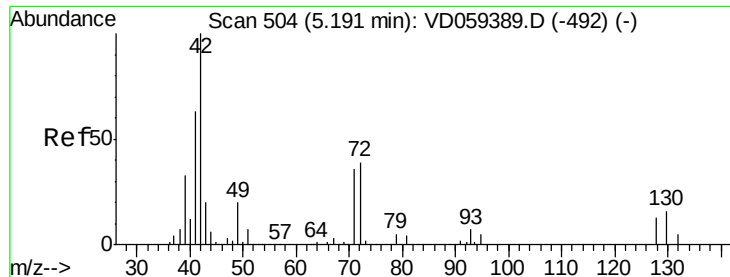
50000

0

4.70 4.80 4.90 5.00

Time-->





#29

Tetrahydrofuran

Concen: 3.150 ug/l

RT: 5.17 min Scan# 502

Delta R.T. -0.03 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618RE

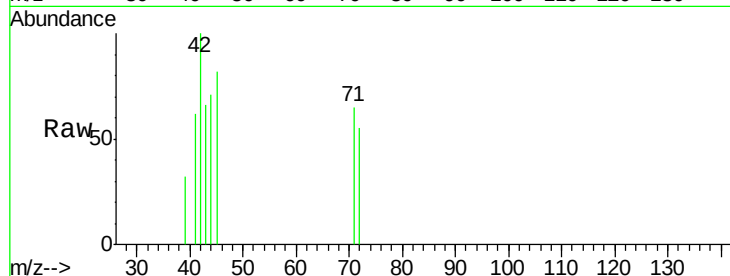
Tot Ion: 42 Resp: 3374

Ion Ratio Lower Upper

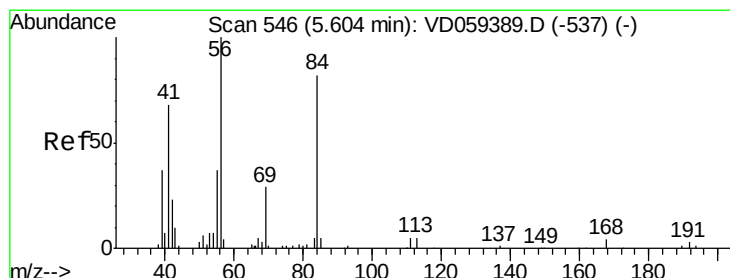
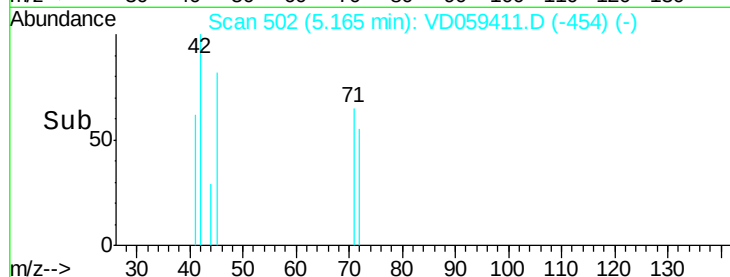
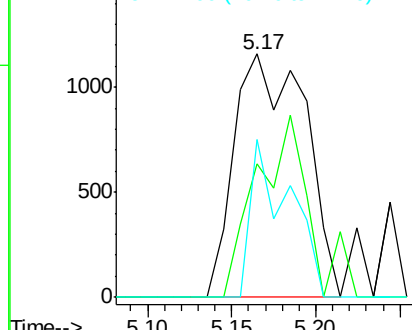
42 100

72 0.0 31.4 47.2#

71 35.5 29.7 44.5



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



#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 549

Delta R.T. 0.02 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

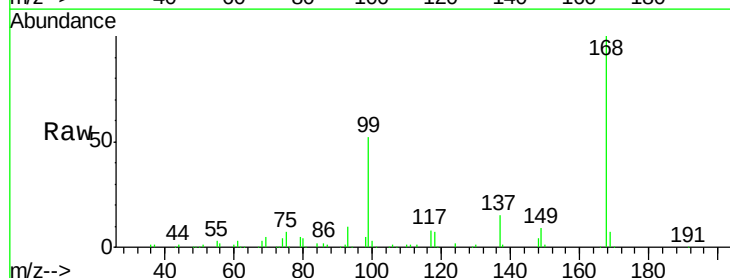
Tgt Ion: 56 Resp: 18827

Ion Ratio Lower Upper

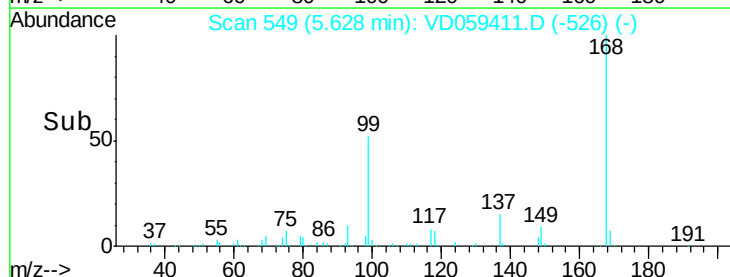
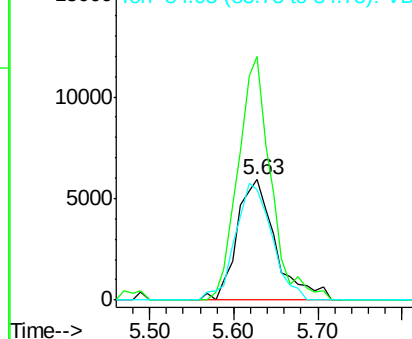
56 100

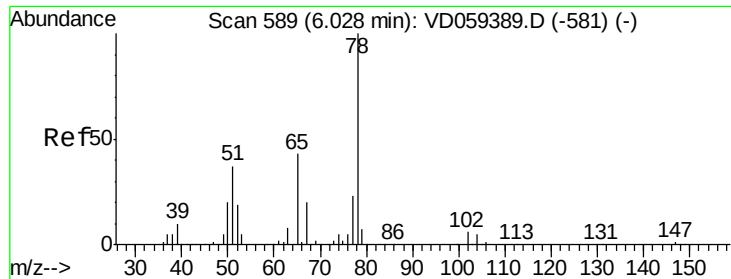
69 202.4 22.9 34.3#

84 92.4 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

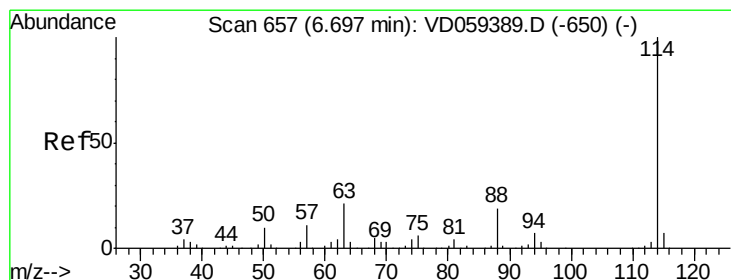
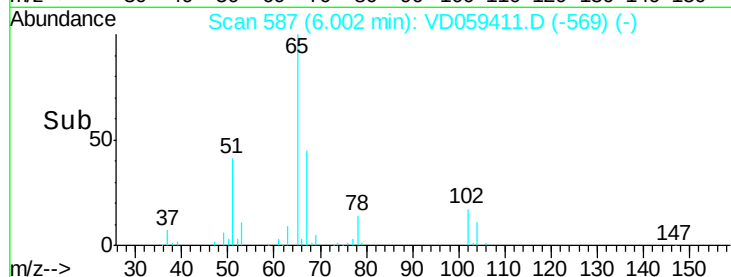
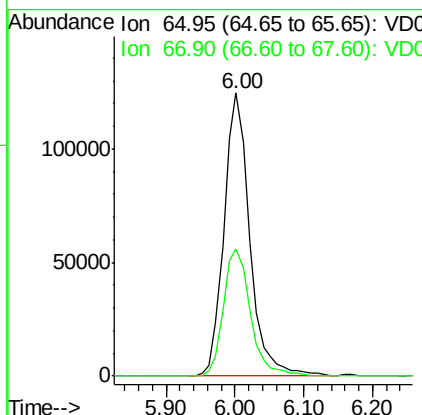
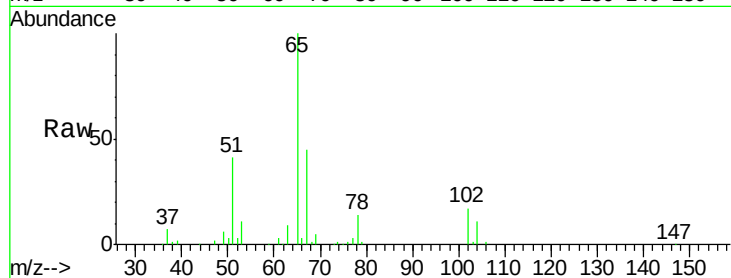




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.03 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

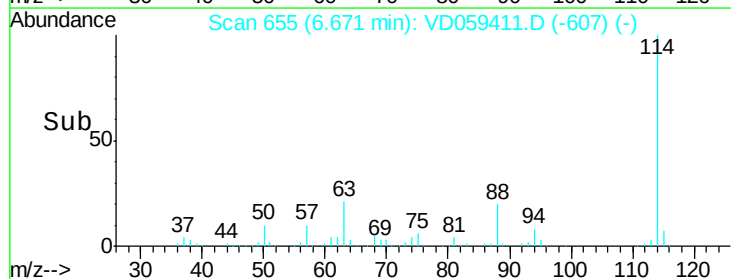
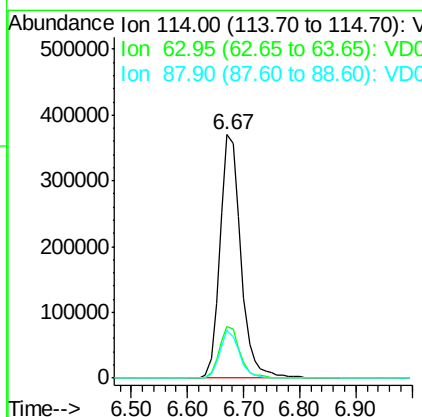
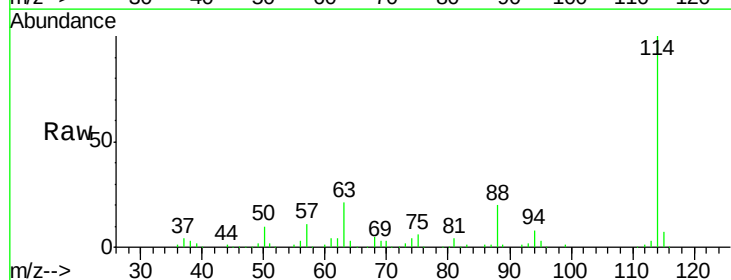
Instrument :
 MSVOA_D
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 WP021SB472-13-15-180618RE

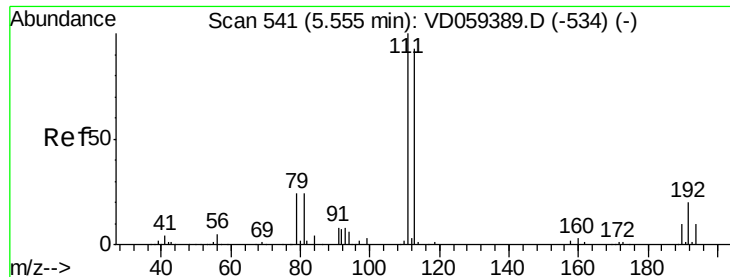
Tot Ion: 65 Resp: 323199
 Ion Ratio Lower Upper
 65 100
 67 45.1 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.03 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

Tgt Ion: 114 Resp: 960274
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.4
 88 19.8 0.0 38.0

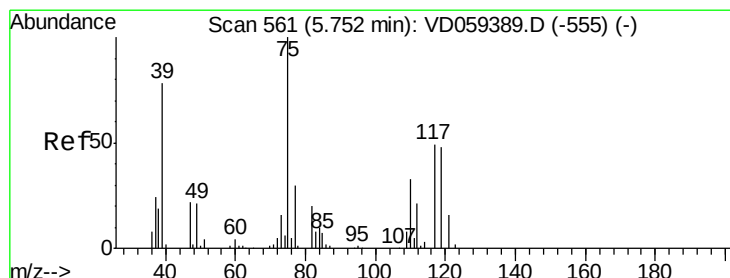
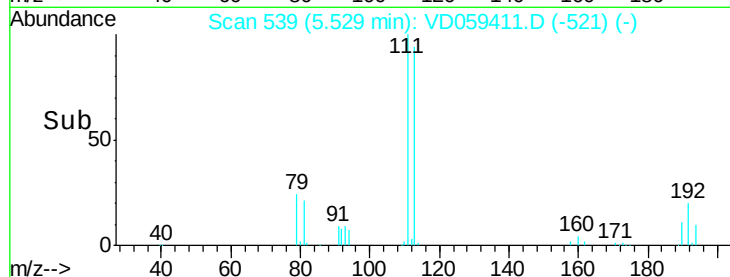
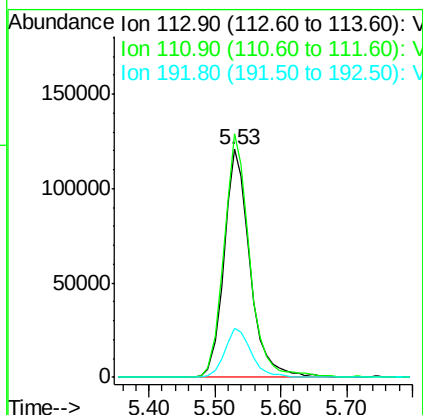
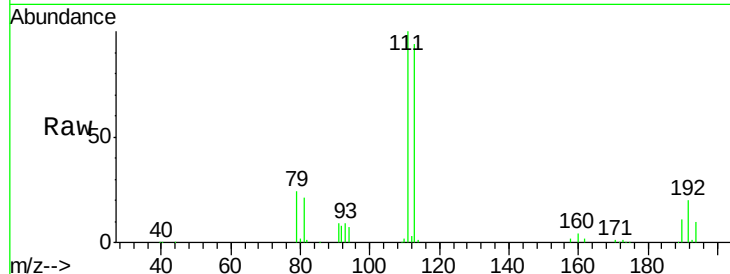




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.03 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

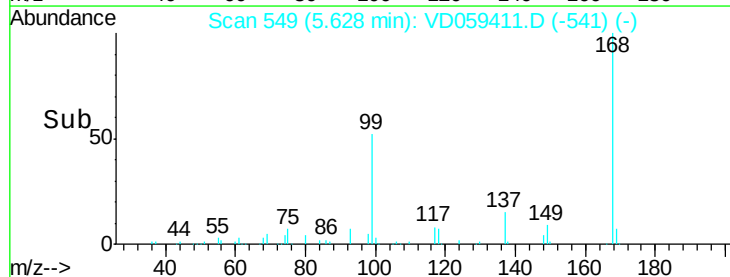
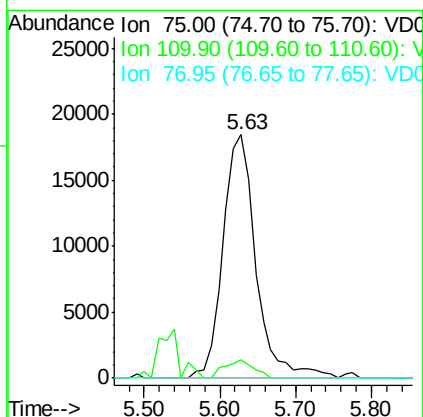
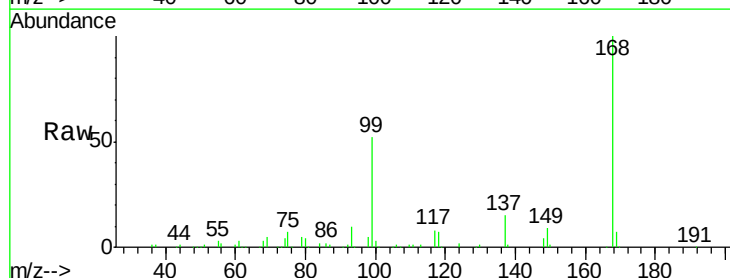
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618RE

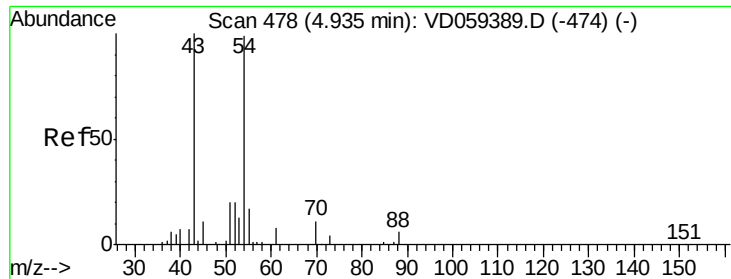
Tot Ion:113 Resp: 332281
 Ion Ratio Lower Upper
 113 100
 111 106.7 85.7 128.5
 192 21.6 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 6.369 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.12 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

Tgt Ion: 75 Resp: 55478
 Ion Ratio Lower Upper
 75 100
 110 7.6 16.1 48.2#
 77 0.0 23.4 35.2#

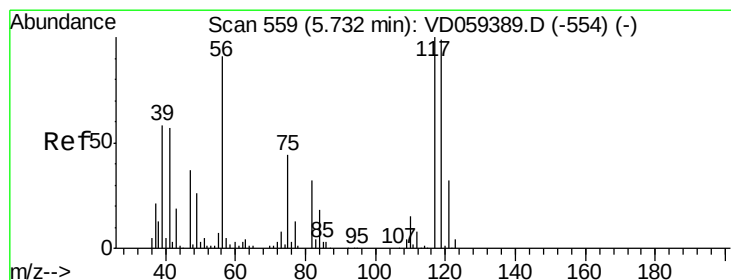
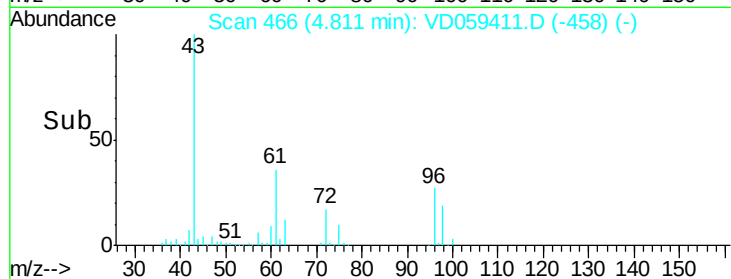
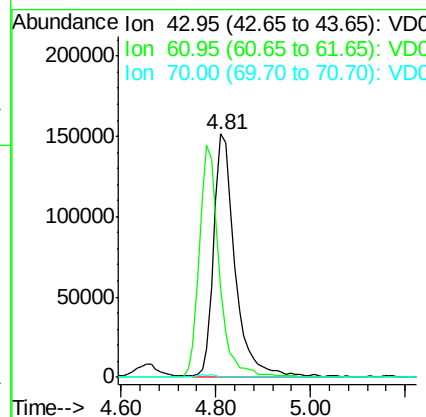
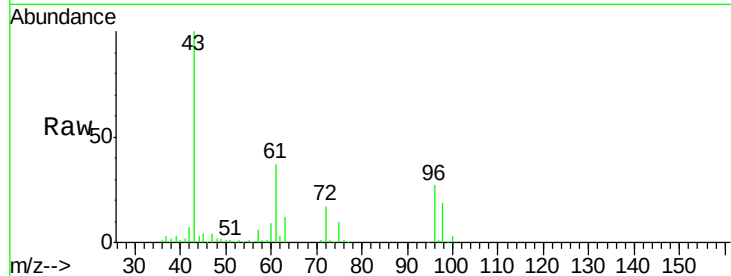




#37
 Ethyl Acetate
 Concen: 88.562 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. -0.12 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

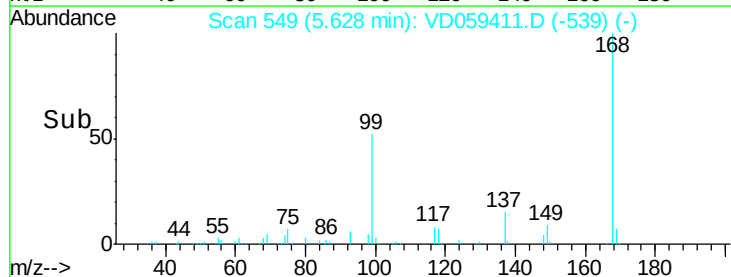
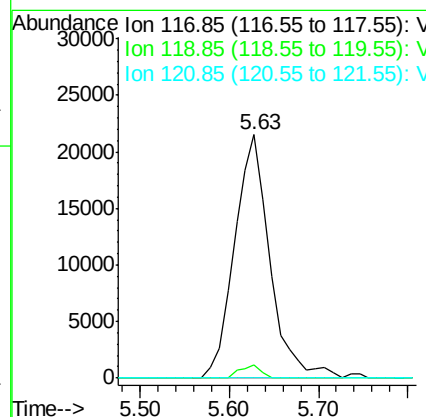
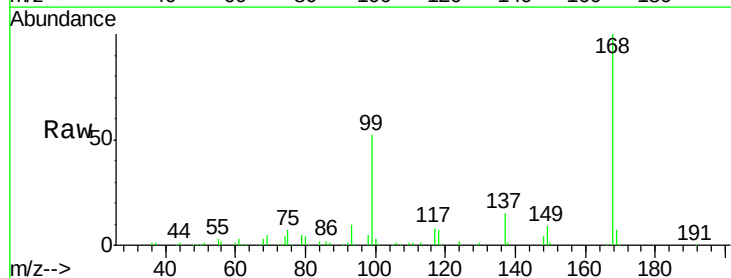
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618RE

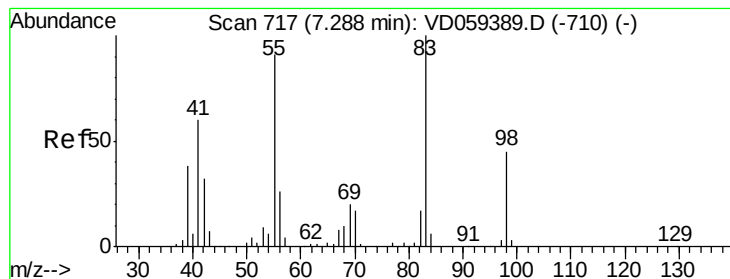
Tot Ion: 43 Resp: 469816
 Ion Ratio Lower Upper
 43 100
 61 36.5 11.8 17.8#
 70 0.0 6.1 9.1#



#38
 Carbon Tetrachloride
 Concen: 6.609 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.10 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

Tgt Ion: 117 Resp: 59355
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.6 115.0#
 121 0.0 25.0 37.4#





#39

Methylvlcyclohexane

Concen: 2.116 ug/l

RT: 7.27 min Scan# 716

Delta R.T. -0.02 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618RE

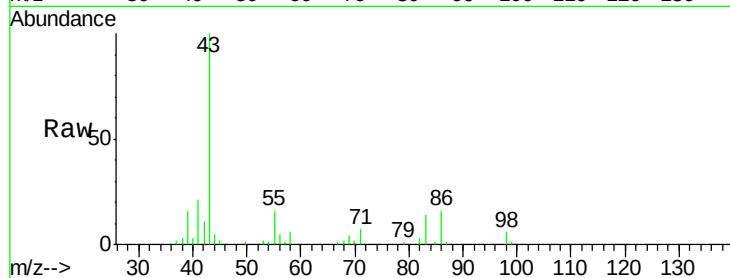
Tot Ion: 83 Resp: 17480

Ion Ratio Lower Upper

83 100

55 113.6 72.6 109.0#

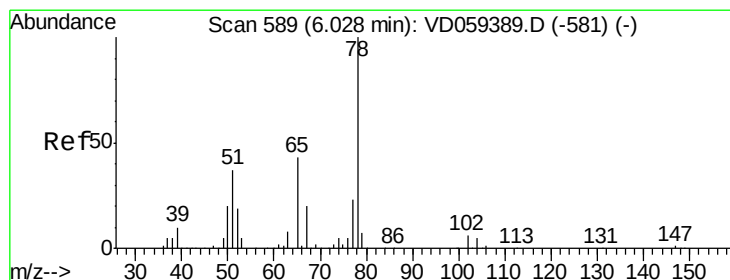
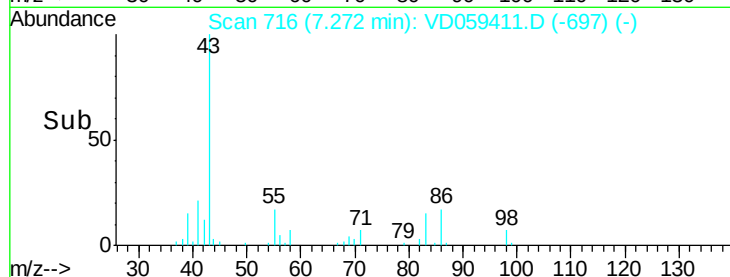
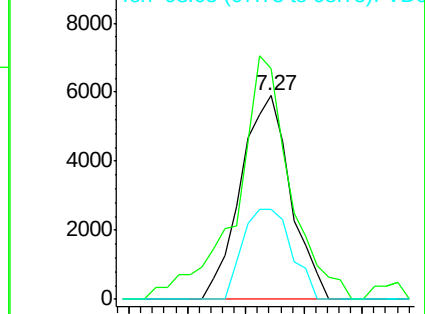
98 44.2 35.8 53.6



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: 2.314 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.03 min

Lab File: VD059411.D

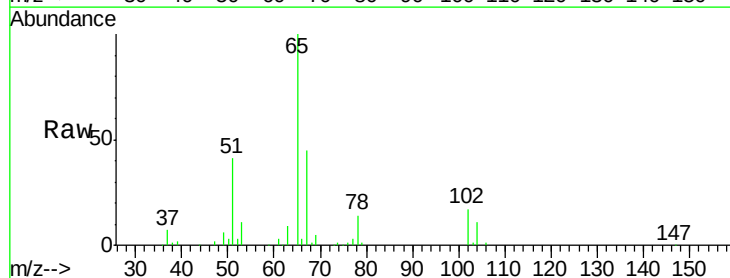
Acq: 25 Jun 2018 20:58

Tgt Ion: 78 Resp: 48365

Ion Ratio Lower Upper

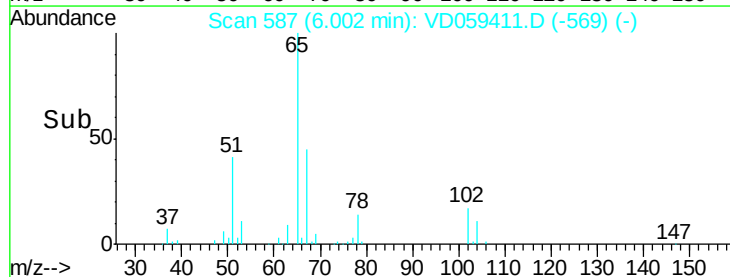
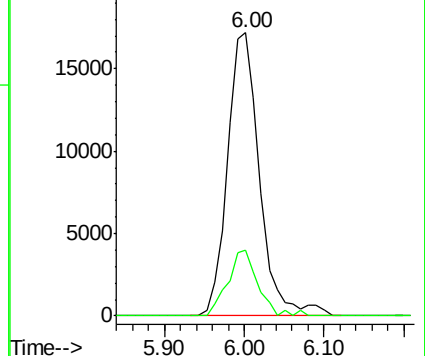
78 100

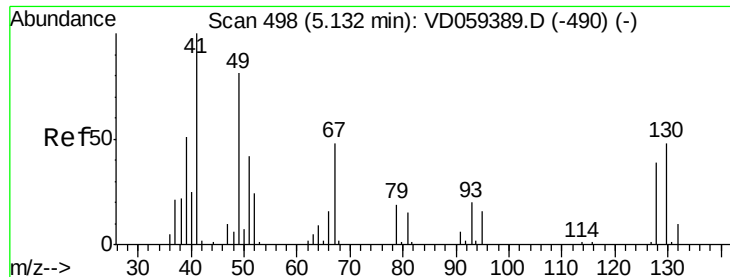
77 23.3 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

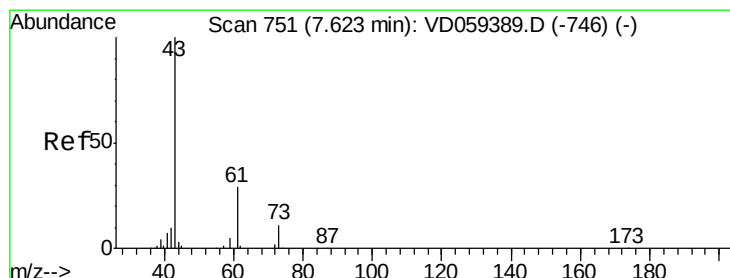
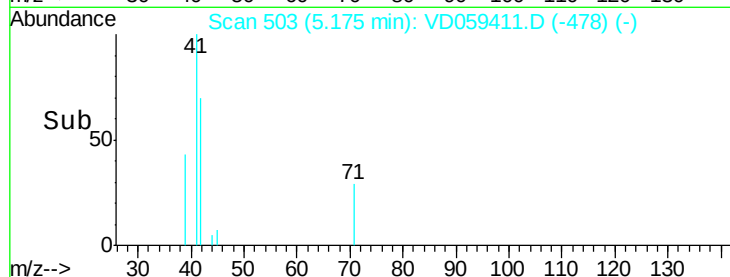
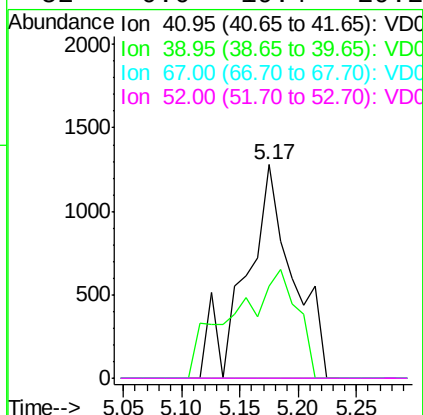
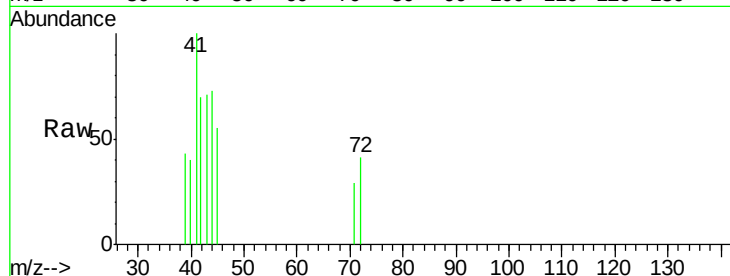




#41
Methacrylonitrile
Concen: 1.409 ug/l
RT: 5.17 min Scan# 503
Delta R.T. 0.04 min
Lab File: VD059411.D
Acq: 25 Jun 2018 20:58

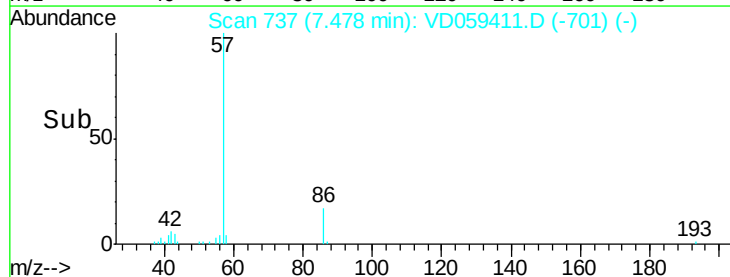
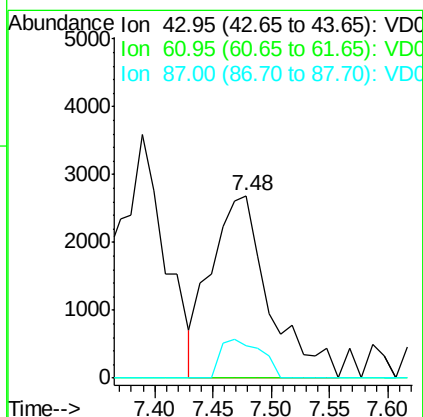
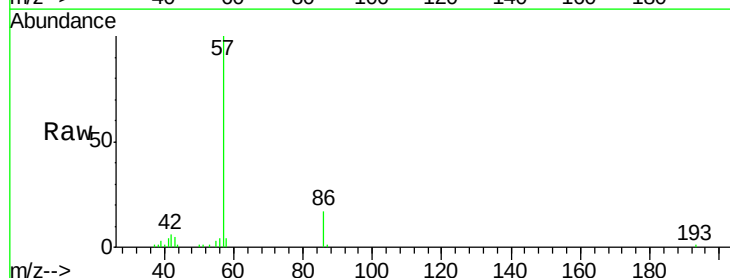
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618RE

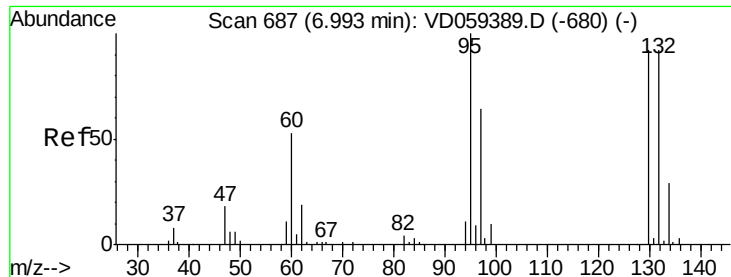
Tot Ion: 41 Resp: 3599
Ion Ratio Lower Upper
41 100
39 43.2 41.5 62.3
67 0.0 38.7 58.1#
52 0.0 19.4 29.2#



#43
Isopropyl Acetate
Concen: 1.397 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.14 min
Lab File: VD059411.D
Acq: 25 Jun 2018 20:58

Tgt Ion: 43 Resp: 9306
Ion Ratio Lower Upper
43 100
61 0.0 23.1 34.7#
87 17.9 0.2 0.4#





#44

Trichloroethene

Concen: 2.552 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.03 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Instrument :

MSVOA_D

ClientSampleId :

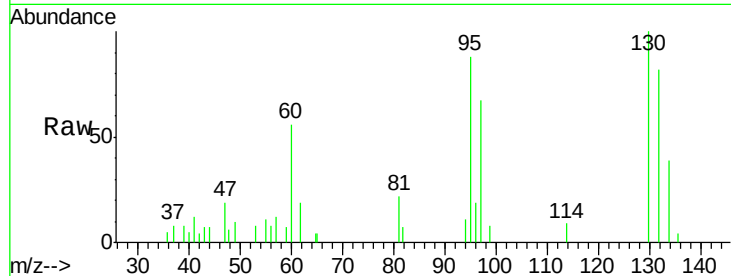
WP021SB472-13-15-180618RE

Tot Ion:130 Resp: 17470

Ion Ratio Lower Upper

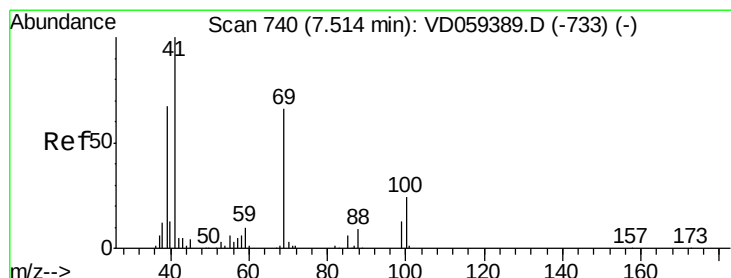
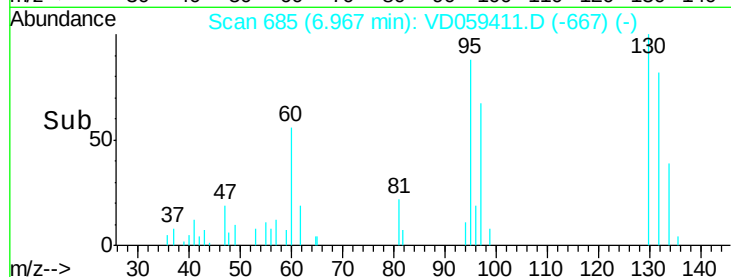
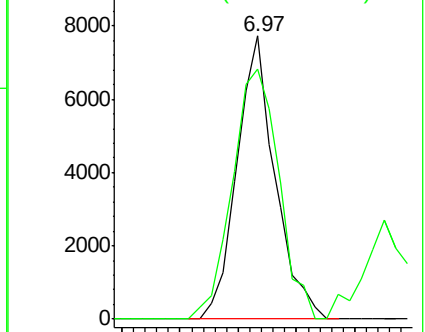
130 100

95 88.2 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#48

Methyl methacrylate

Concen: 1.346 ug/l

RT: 7.47 min Scan# 736

Delta R.T. -0.05 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

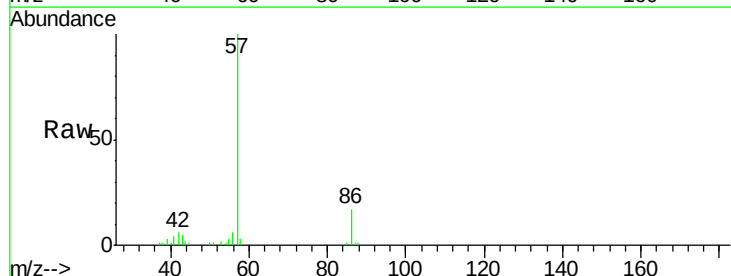
Tgt Ion: 41 Resp: 5462

Ion Ratio Lower Upper

41 100

69 0.0 52.6 79.0#

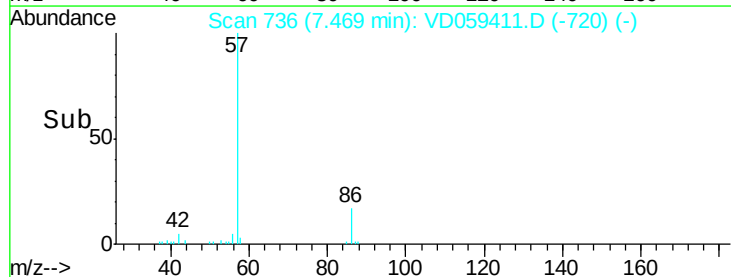
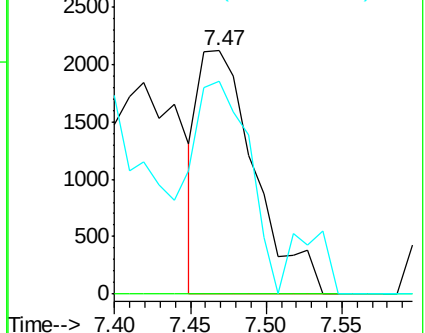
39 87.4 53.6 80.4#

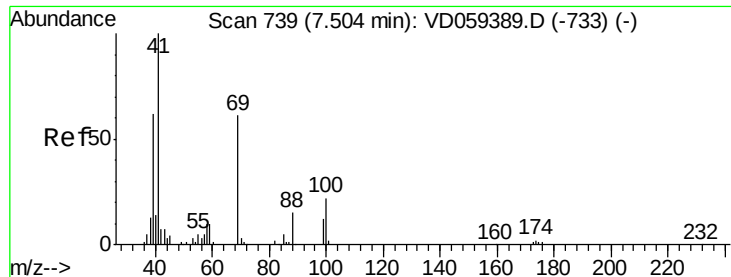


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 4.987 ug/l

RT: 7.47 min Scan# 736

Delta R.T. -0.04 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618RE

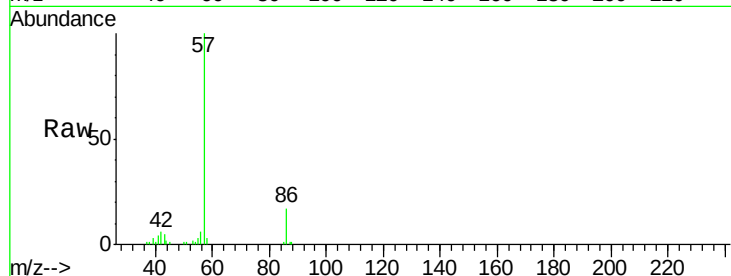
Tot Ion: 88 Resp: 203

Ion Ratio Lower Upper

88 100

43 1080.8 41.0 61.4#

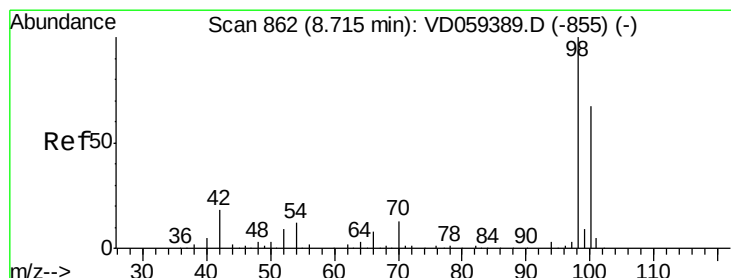
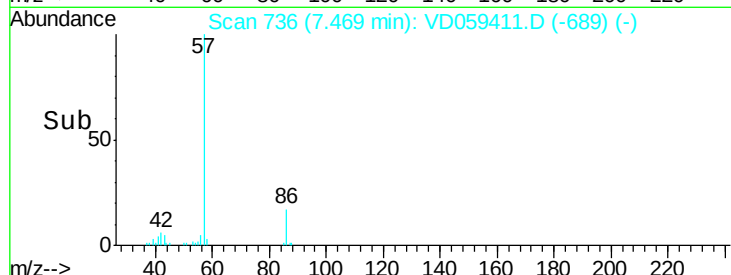
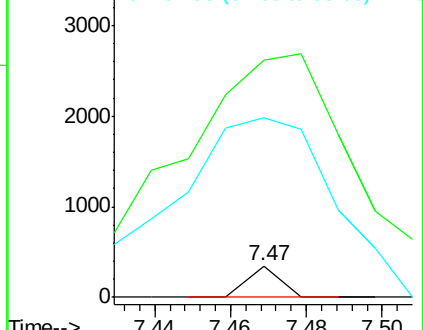
58 577.9 53.4 80.0#



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: 4.987 ug/l

RT: 8.69 min Scan# 860

Delta R.T. -0.03 min

Lab File: VD059411.D

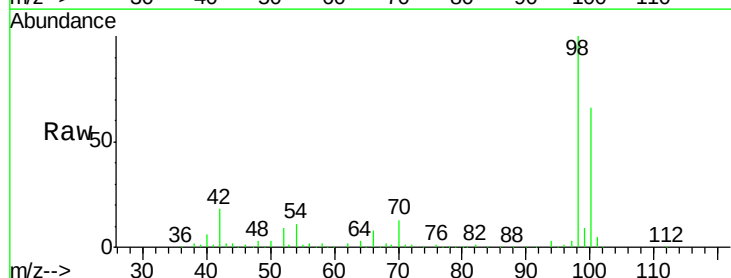
Acq: 25 Jun 2018 20:58

Tgt Ion: 98 Resp: 737439

Ion Ratio Lower Upper

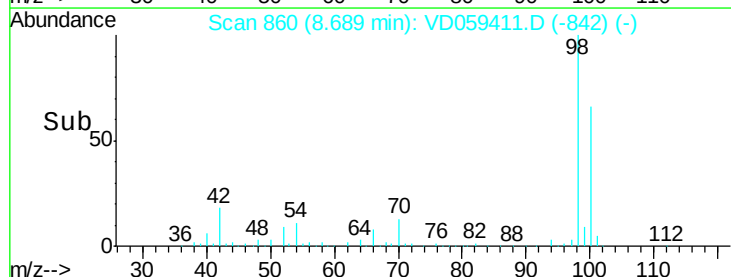
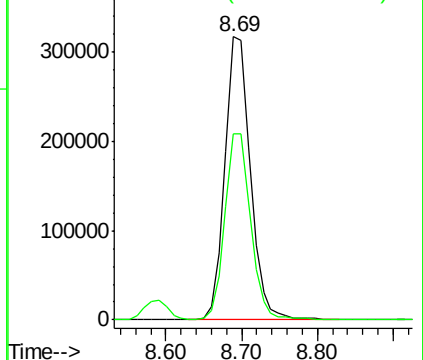
98 100

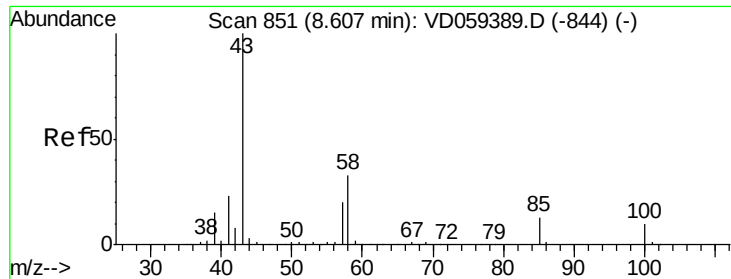
100 65.6 54.4 81.6



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: 104.322 ug/l

RT: 8.58 min Scan# 849

Delta R.T. -0.03 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Instrument :

MSVOA_D

ClientSampleId :

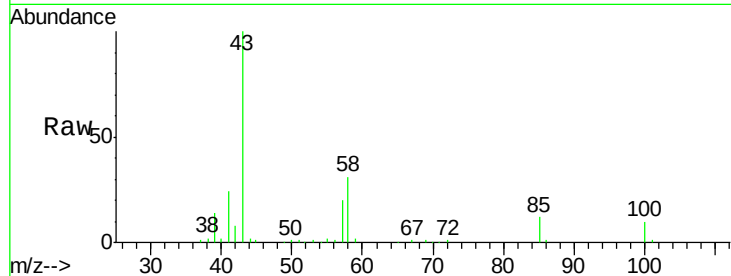
WP021SB472-13-15-180618RE

Tot Ion: 43 Resp: 463125

Ion Ratio Lower Upper

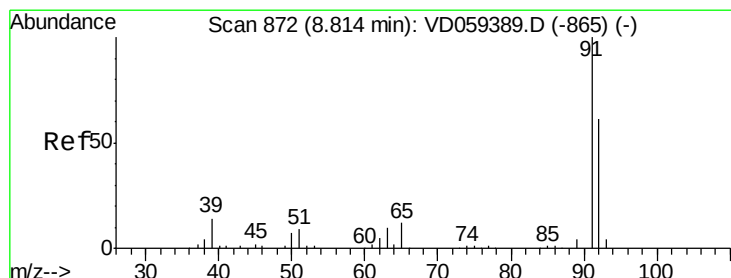
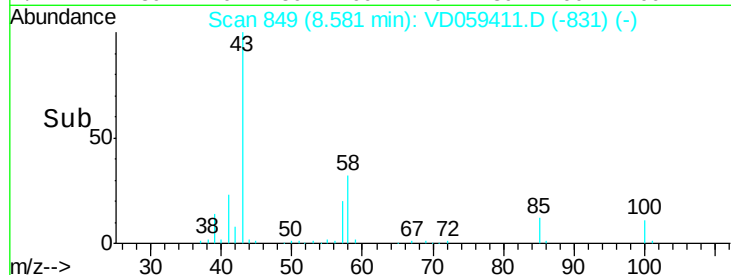
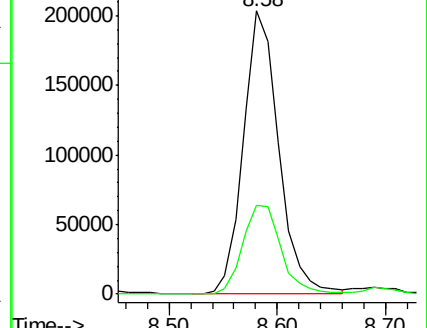
43 100

58 31.3 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: 8.223 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.03 min

Lab File: VD059411.D

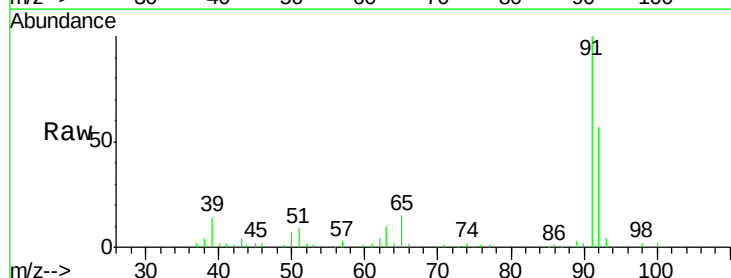
Acq: 25 Jun 2018 20:58

Tgt Ion: 92 Resp: 102660

Ion Ratio Lower Upper

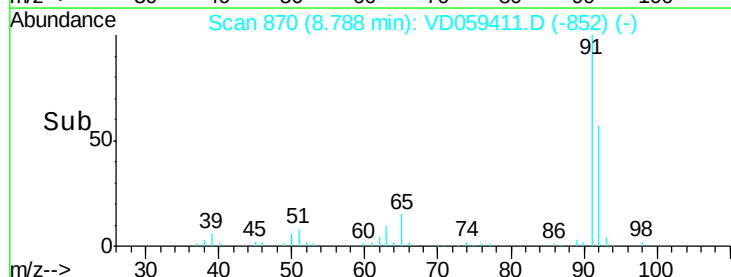
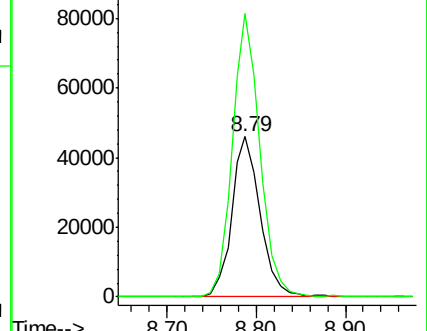
92 100

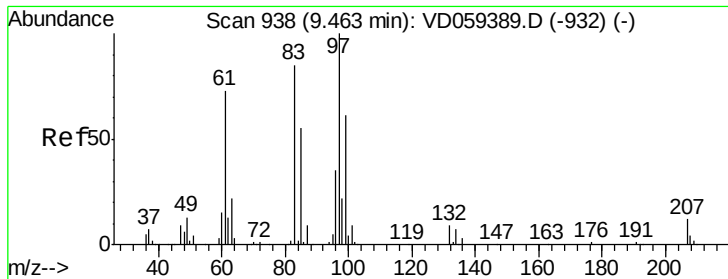
91 176.7 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

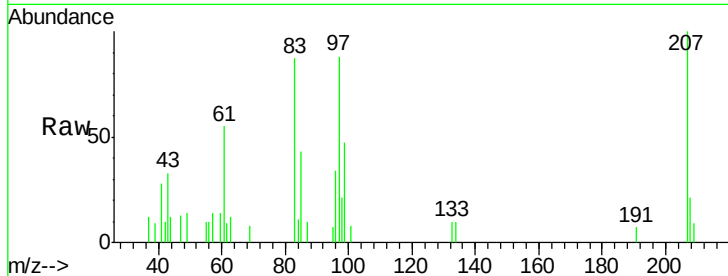




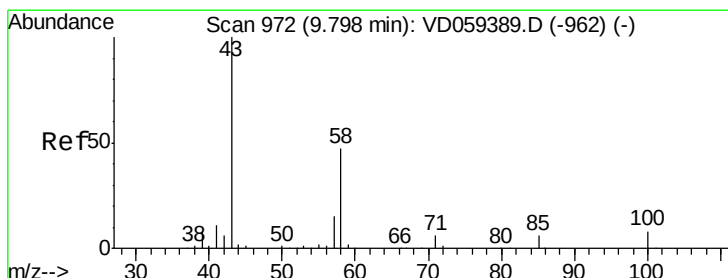
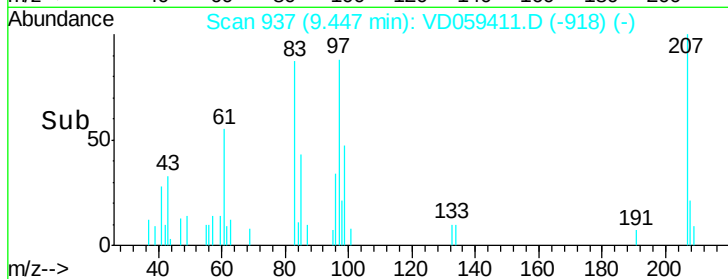
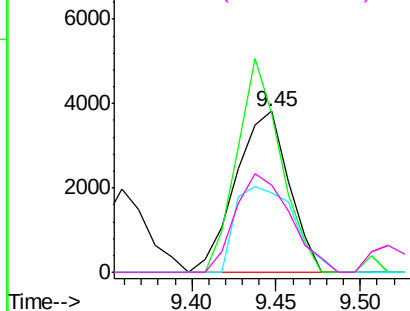
#55
 1,1,2-Trichloroethane
 Concen: 1.844 ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. -0.02 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618RE

Tot Ion:	97	Resp:	8360
Ion	Ratio	Lower	Upper
97	100		
83	98.9	67.7	101.5
85	49.2	44.3	66.5
99	54.0	48.6	73.0

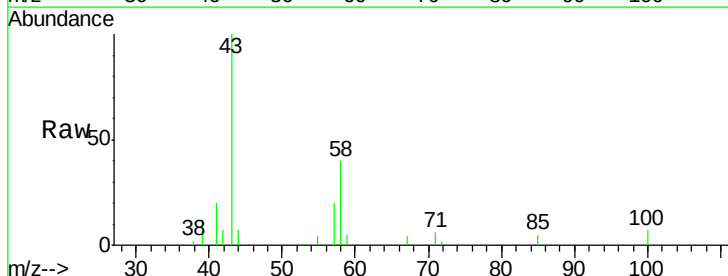


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

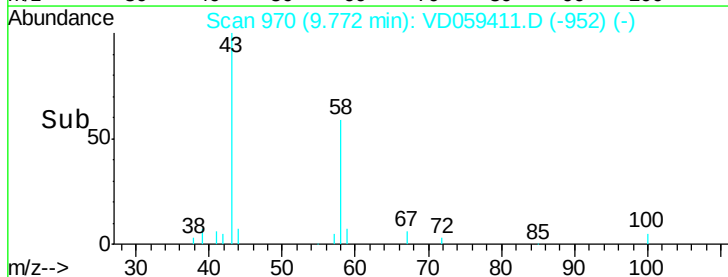
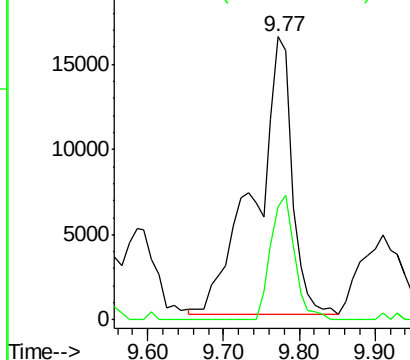


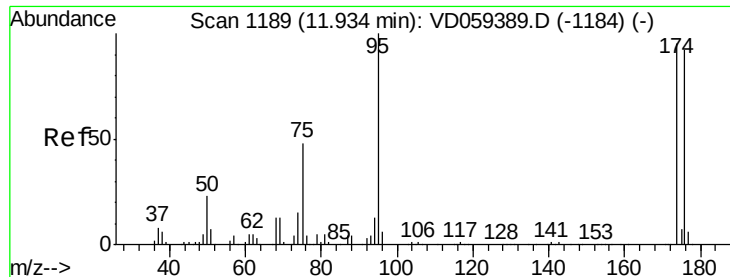
#59
 2-Hexanone
 Concen: 17.452 ug/l
 RT: 9.77 min Scan# 970
 Delta R.T. -0.03 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

Tgt Ion:	43	Resp:	55066
Ion	Ratio	Lower	Upper
43	100		
58	39.8	23.3	69.9



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

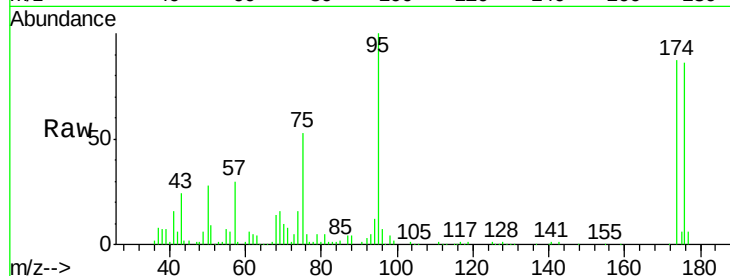




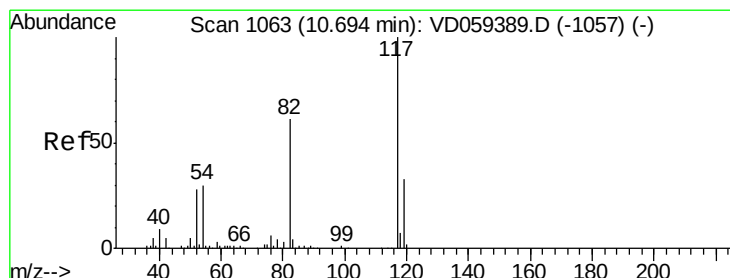
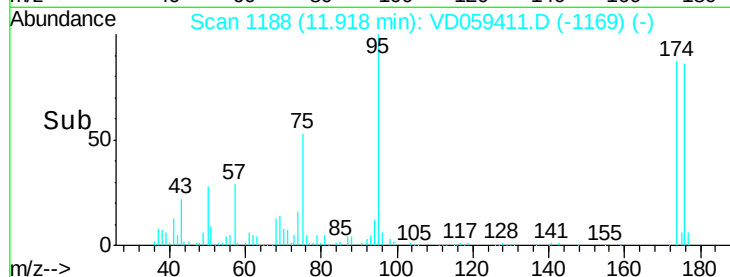
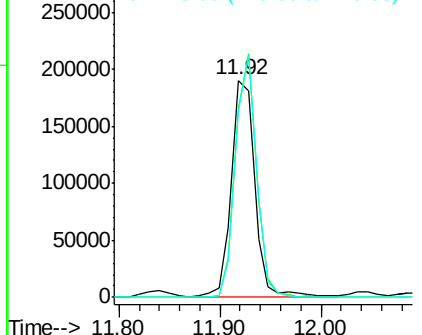
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.02 min
Lab File: VD059411.D
Acq: 25 Jun 2018 20:58

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618RE

Tot Ion: 95 Resp: 306985
Ion Ratio Lower Upper
95 100
174 87.0 0.0 190.4
176 85.9 0.0 183.2

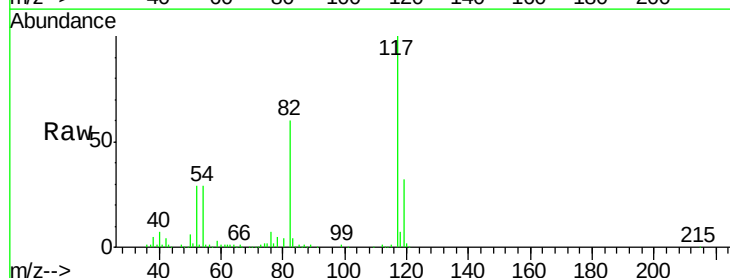


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

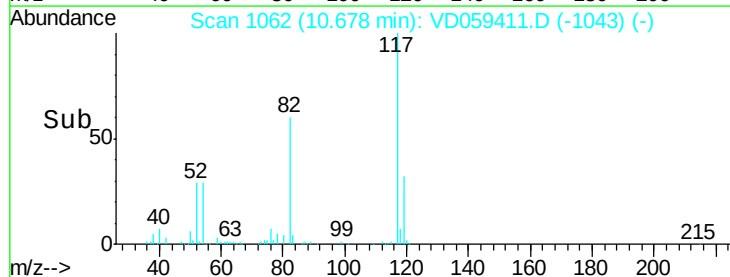
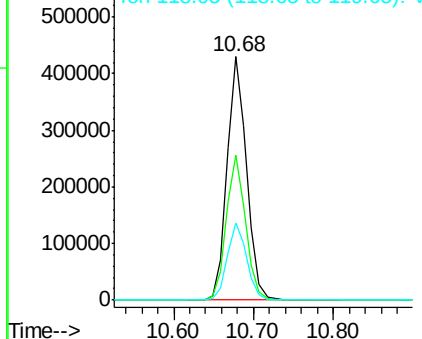


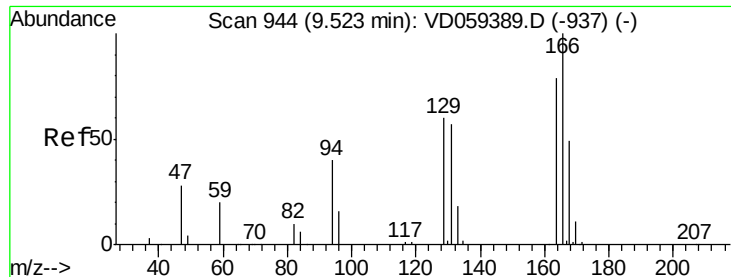
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059411.D
Acq: 25 Jun 2018 20:58

Tgt Ion: 117 Resp: 743677
Ion Ratio Lower Upper
117 100
82 59.8 49.0 73.6
119 31.9 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: 1.180 ug/l

RT: 9.50 min Scan# 942

Delta R.T. -0.03 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618RE

Tot Ion:164 Resp: 7700

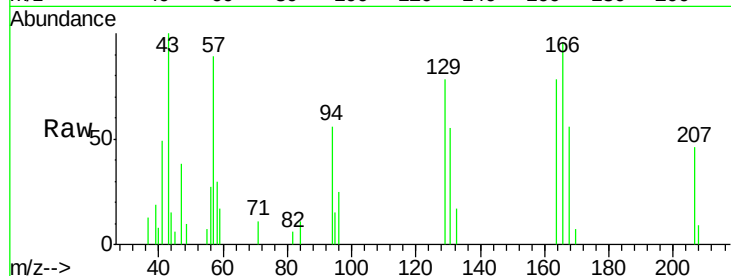
Ion Ratio Lower Upper

164 100

166 123.7 101.4 152.2

129 100.3 60.9 91.3#

131 70.6 58.2 87.4

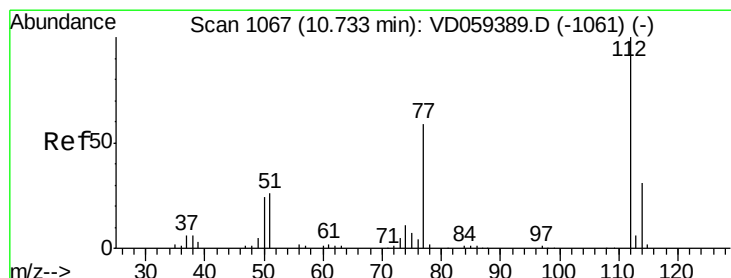
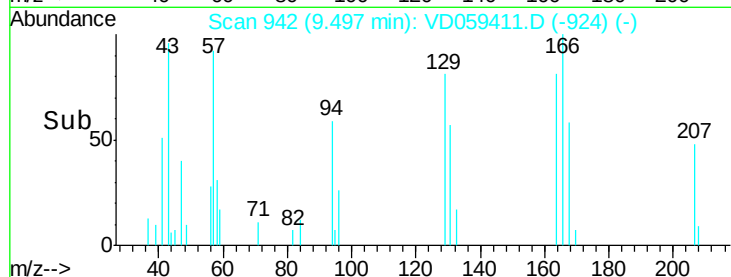
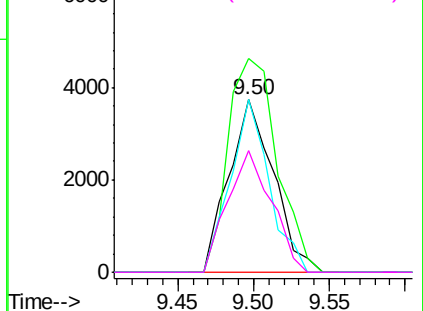


Abundance Ion 163.85 (163.55 to 164.55): V

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: 154.130 ug/l

RT: 10.72 min Scan# 1066

Delta R.T. -0.02 min

Lab File: VD059411.D

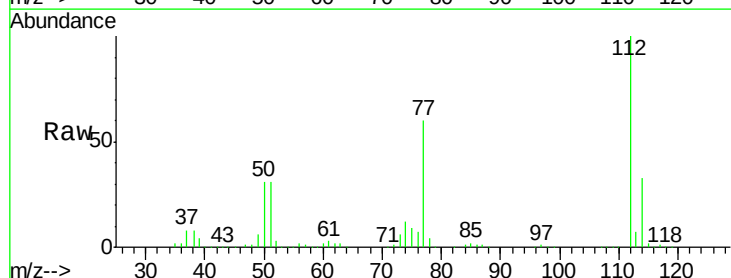
Acq: 25 Jun 2018 20:58

Tgt Ion:112 Resp: 2095908

Ion Ratio Lower Upper

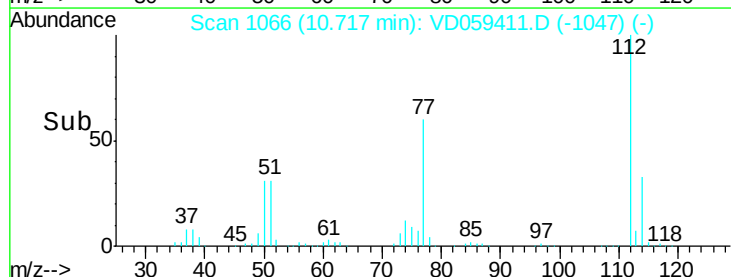
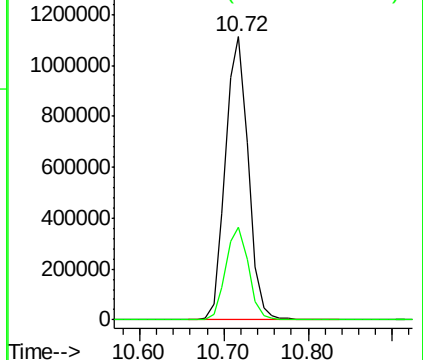
112 100

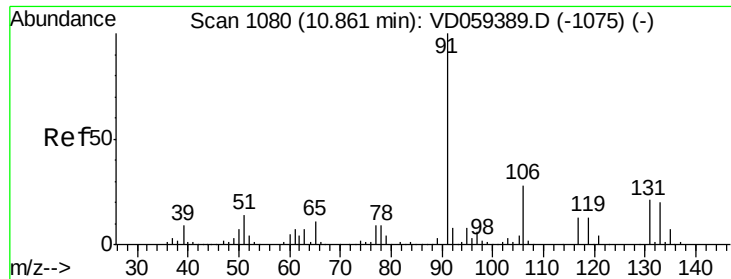
114 32.7 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

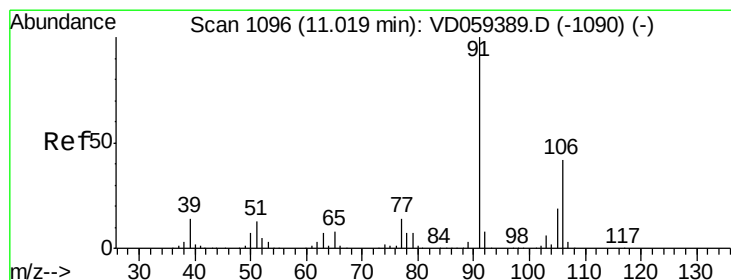
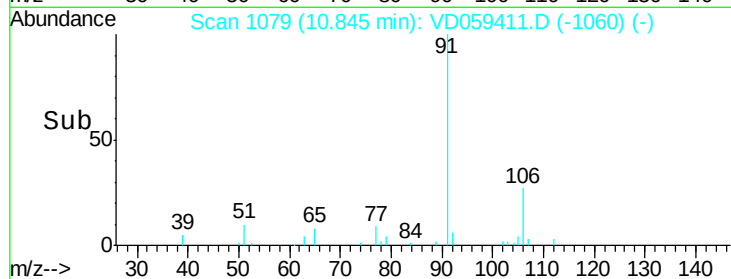
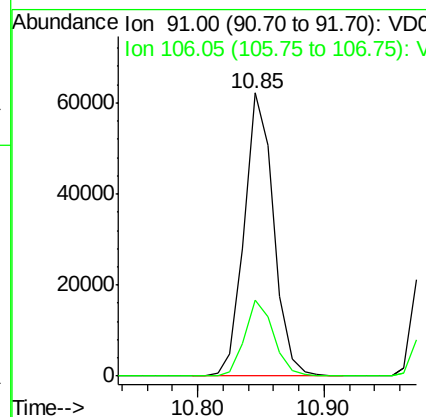
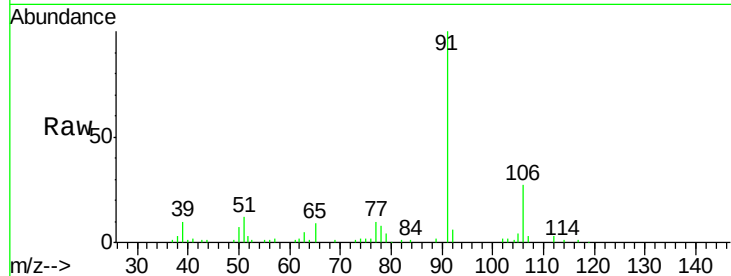




#67
Ethyl Benzene
Concen: 4.359 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VD059411.D
Acq: 25 Jun 2018 20:58

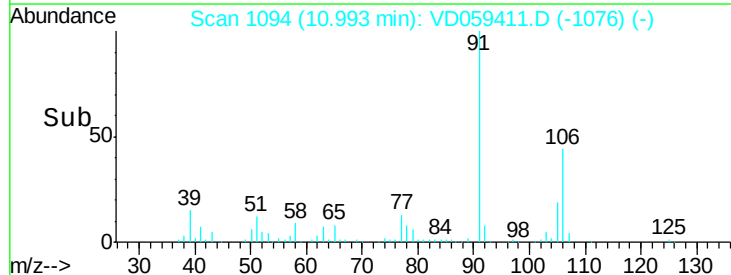
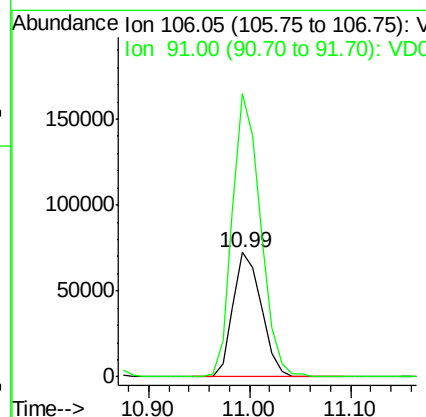
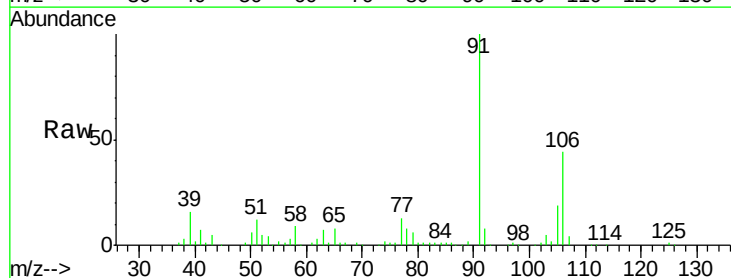
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618RE

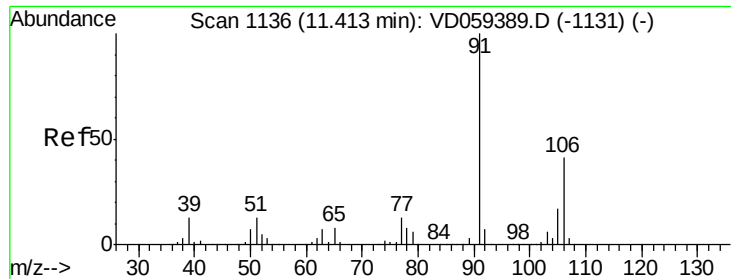
Tot Ion: 91 Resp: 100012
Ion Ratio Lower Upper
91 100
106 26.9 22.3 33.5



#68
m/p-Xylenes
Concen: 18.692 ug/l
RT: 10.99 min Scan# 1094
Delta R.T. -0.03 min
Lab File: VD059411.D
Acq: 25 Jun 2018 20:58

Tgt Ion: 106 Resp: 142300
Ion Ratio Lower Upper
106 100
91 227.6 191.0 286.6

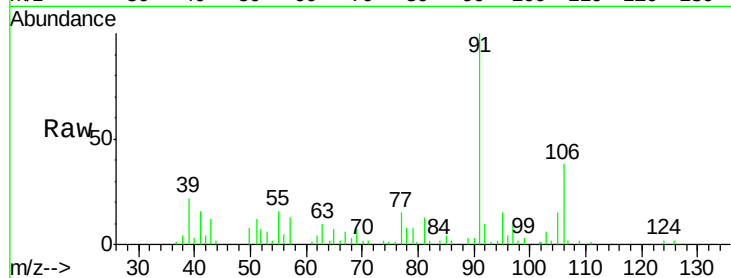




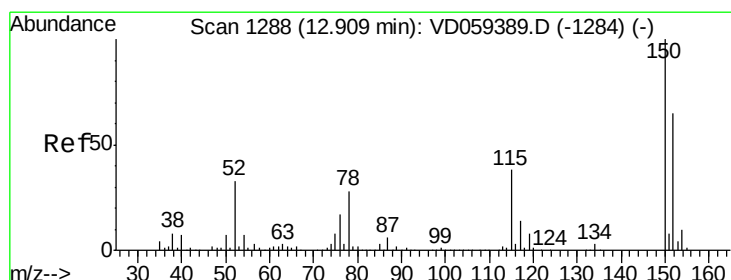
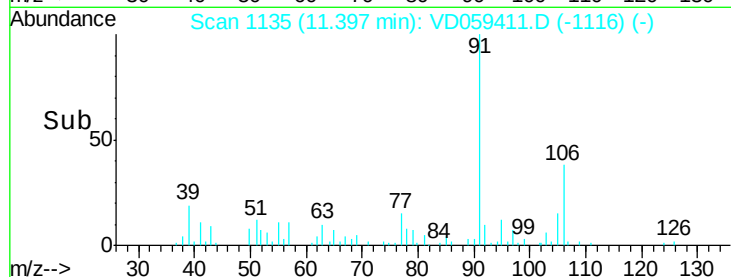
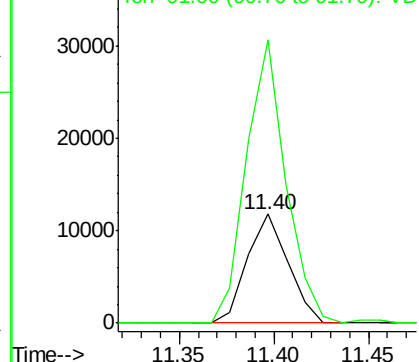
#69
o-Xylene
Concen: 2.348 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD059411.D
Acq: 25 Jun 2018 20:58

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618RE

Tot Ion:106 Resp: 17674
Ion Ratio Lower Upper
106 100
91 260.5 121.0 362.8

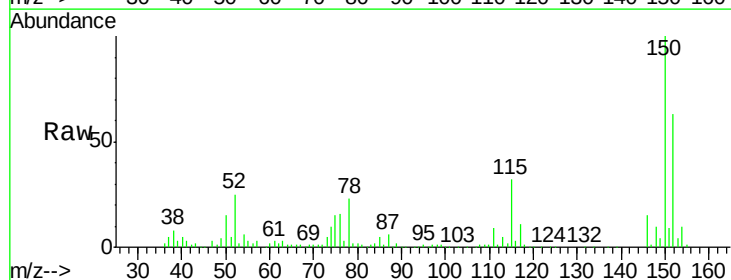


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

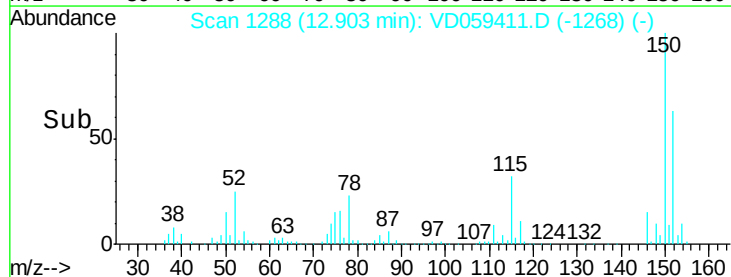
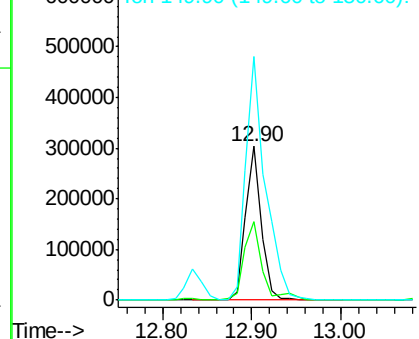


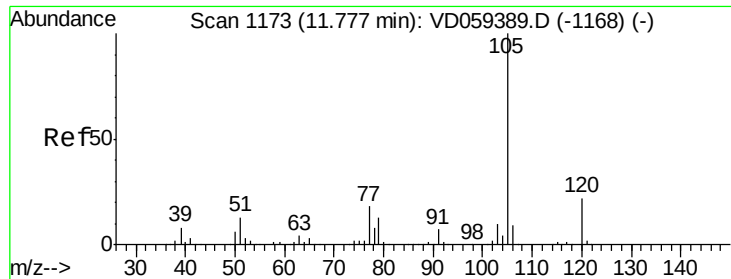
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059411.D
Acq: 25 Jun 2018 20:58

Tgt Ion:152 Resp: 377927
Ion Ratio Lower Upper
152 100
115 51.3 29.4 88.3
150 158.4 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: 2.195 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.02 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Instrument :

MSVOA_D

ClientSampleId :

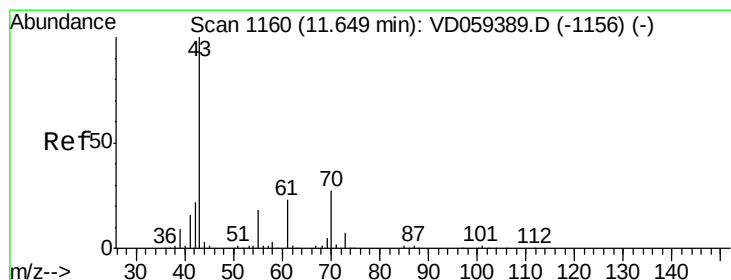
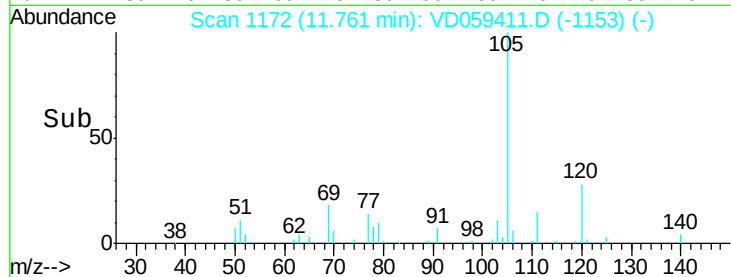
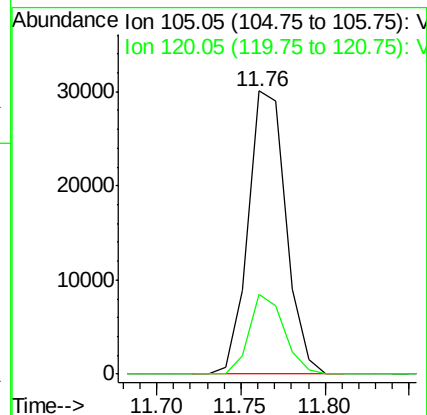
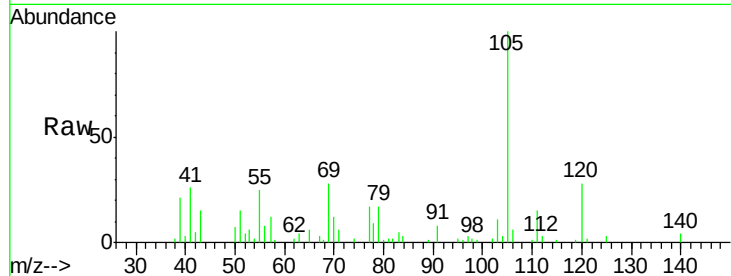
WP021SB472-13-15-180618RE

Tot Ion:105 Resp: 46808

Ion Ratio Lower Upper

105 100

120 28.1 11.0 33.0



#74

N-ethyl acetate

Concen: 4.813 ug/l

RT: 11.66 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Tgt Ion: 43 Resp: 39053

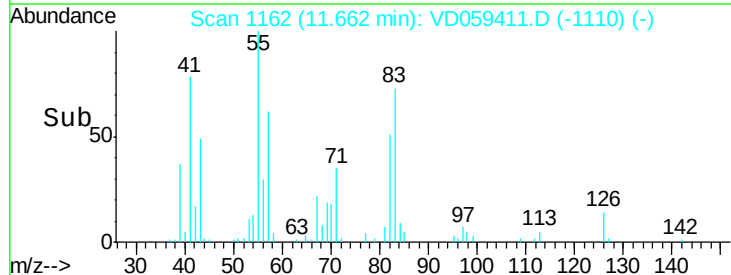
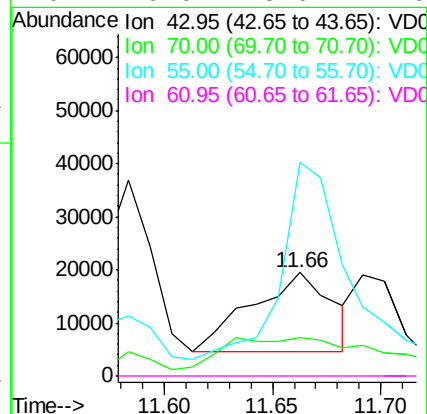
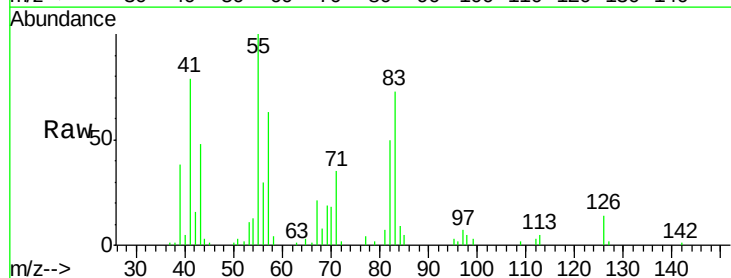
Ion Ratio Lower Upper

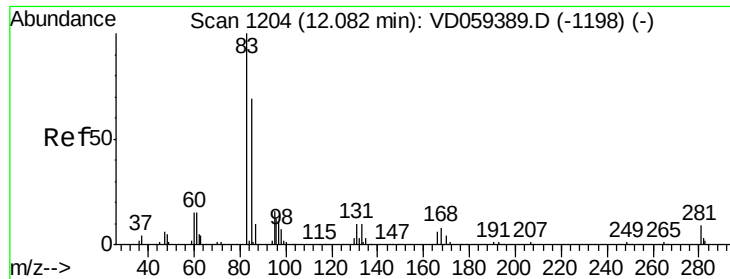
43 100

70 37.6 21.7 32.5#

55 207.1 14.6 22.0#

61 0.0 18.0 27.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.771 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618RE

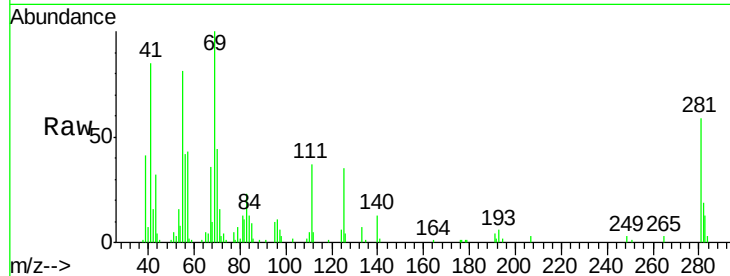
Tot Ion: 83 Resp: 13864

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

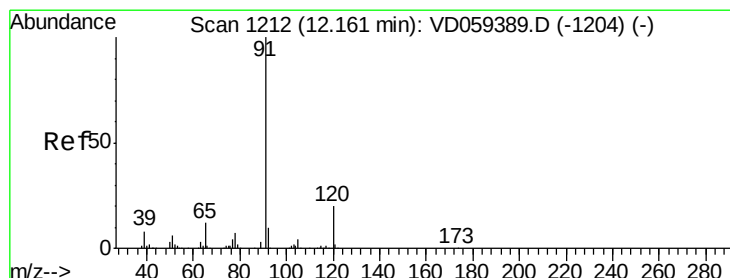
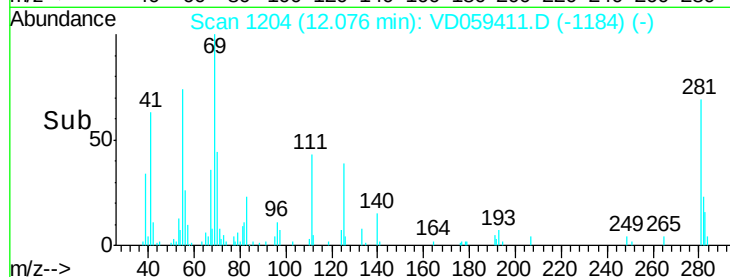
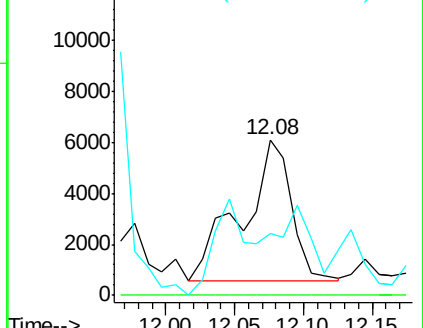
85 40.0 34.6 103.8



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



#78

n-propylbenzene

Concen: 3.668 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.02 min

Lab File: VD059411.D

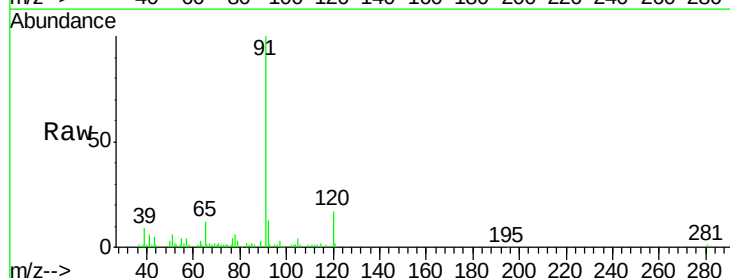
Acq: 25 Jun 2018 20:58

Tgt Ion: 91 Resp: 99085

Ion Ratio Lower Upper

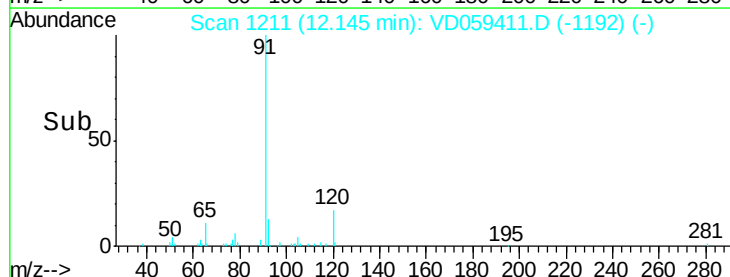
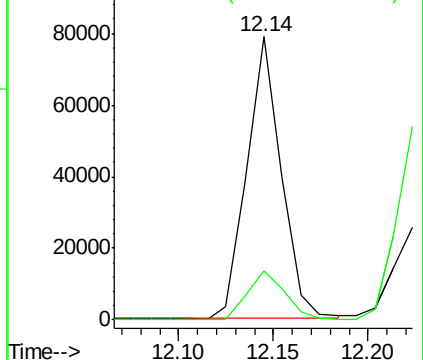
91 100

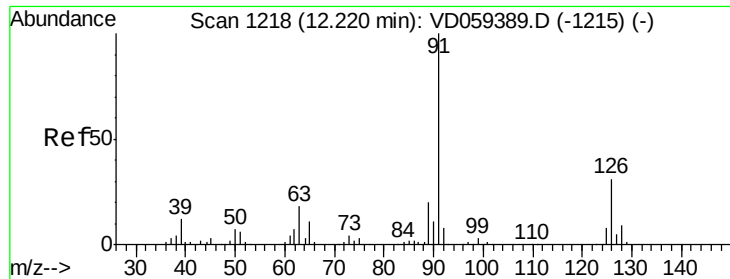
120 17.2 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC

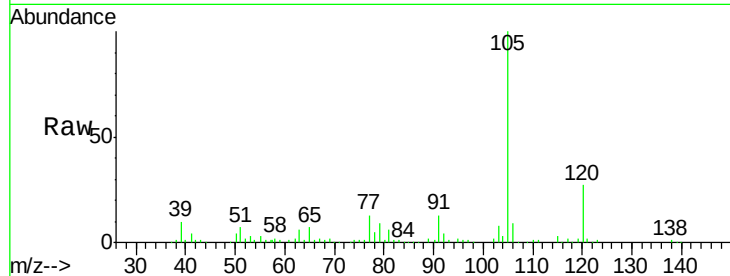




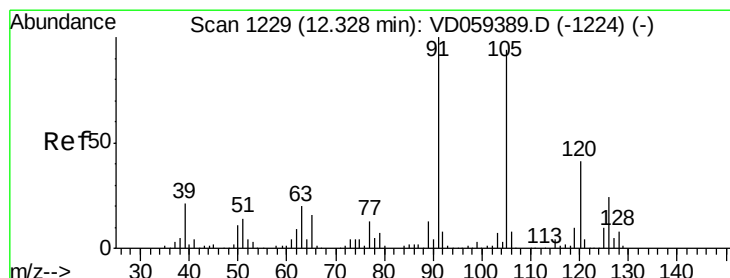
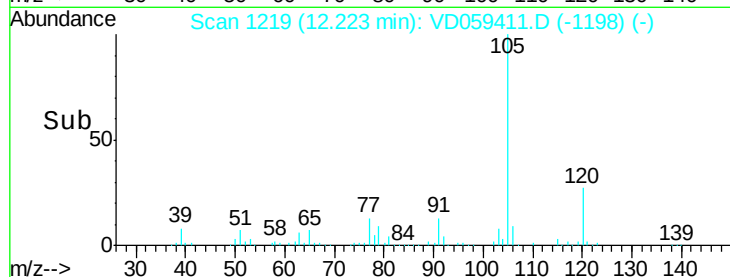
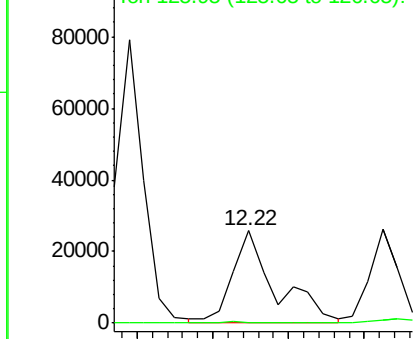
#79
 2-Chlorotoluene
 Concen: 3.175 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618RE

Tot Ion: 91 Resp: 50366
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.2 45.5#

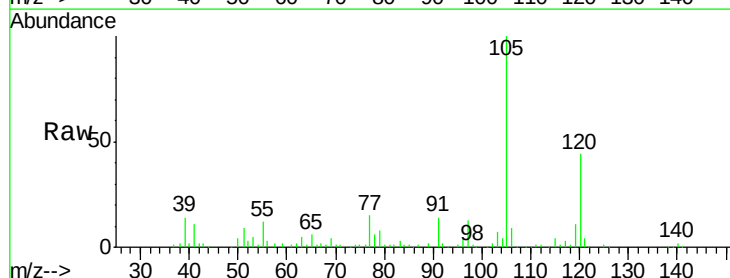


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

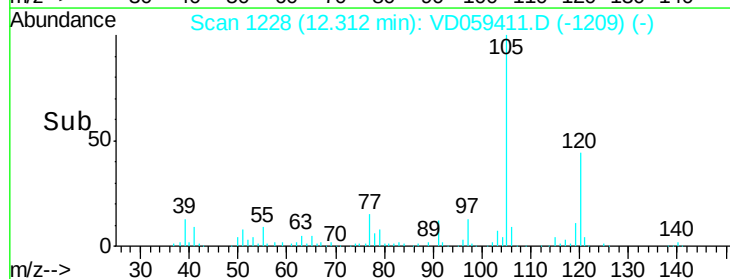
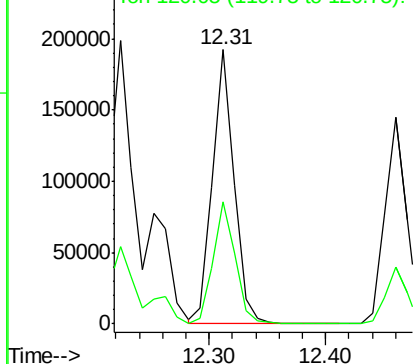


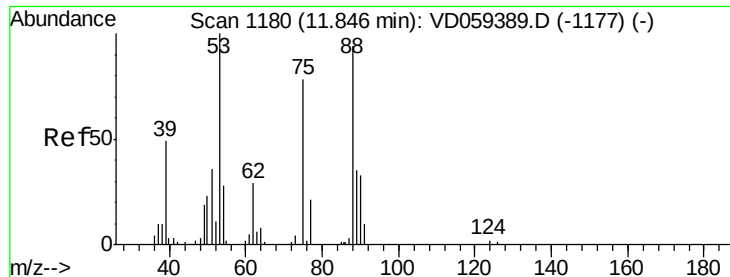
#80
 1,3,5-Trimethylbenzene
 Concen: 14.609 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

Tgt Ion: 105 Resp: 248039
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.9 65.7



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





#81

trans-1,4-Dichloro-2-butene

Concen: 123.449 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.07 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618RE

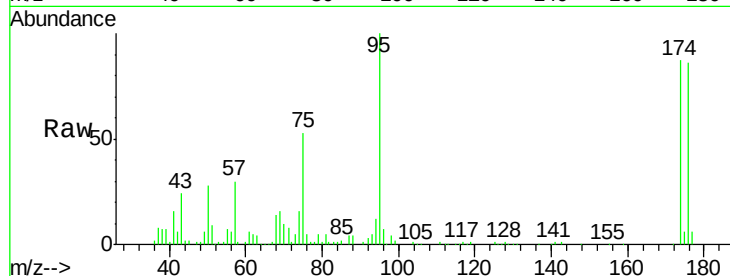
Tot Ion: 75 Resp: 146269

Ion Ratio Lower Upper

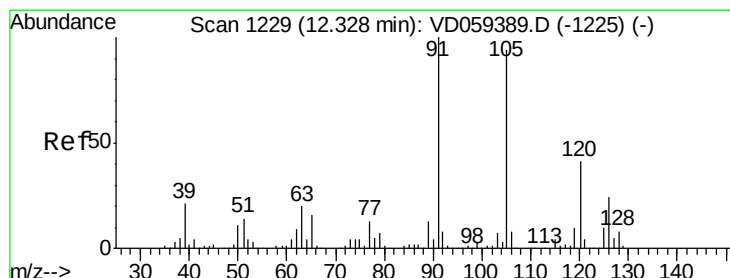
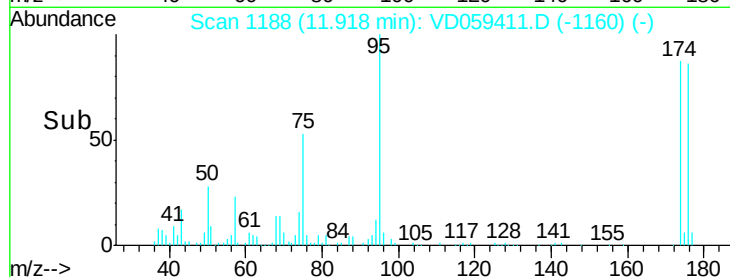
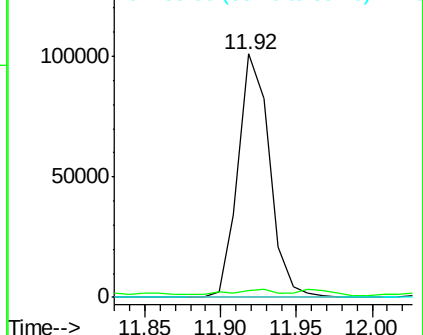
75 100

53 2.6 102.6 154.0#

89 0.0 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: 2.016 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. -0.02 min

Lab File: VD059411.D

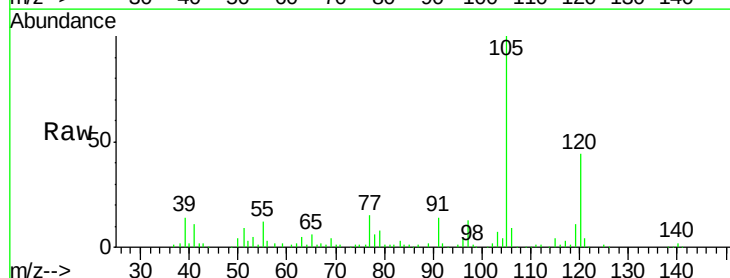
Acq: 25 Jun 2018 20:58

Tgt Ion: 91 Resp: 36267

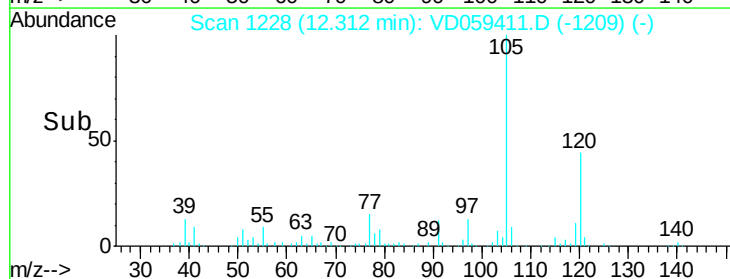
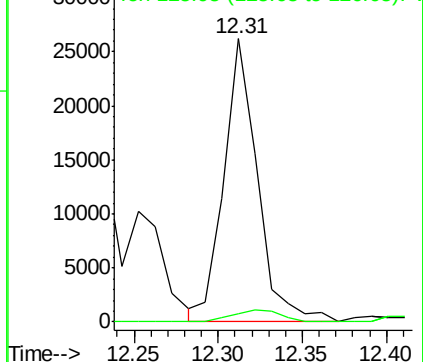
Ion Ratio Lower Upper

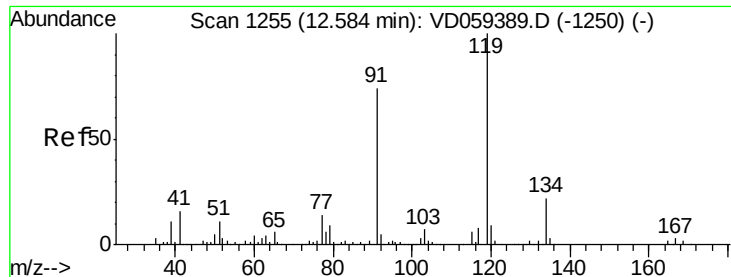
91 100

126 2.9 12.2 36.6#



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

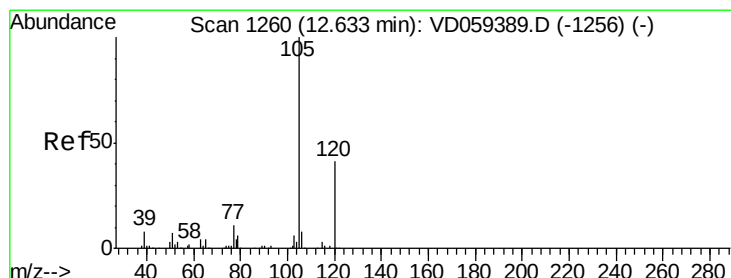
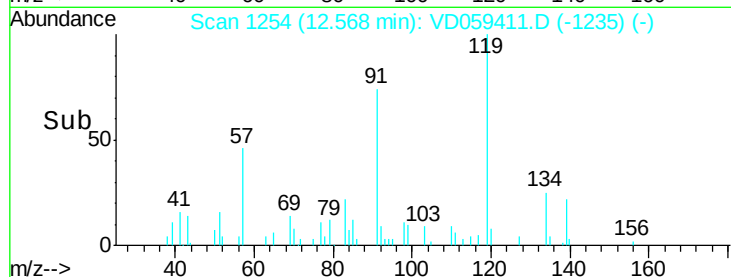
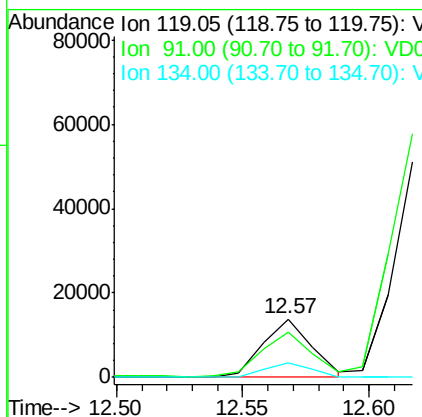
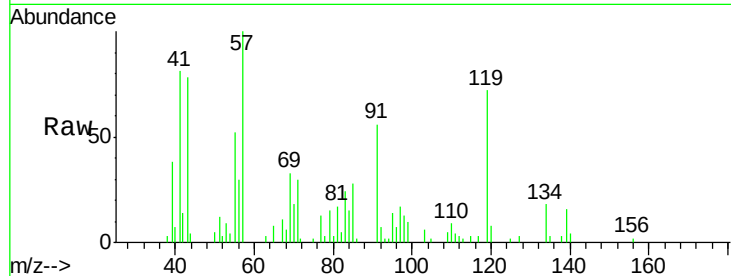




#83
 tert-Butylbenzene
 Concen: 1.023 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

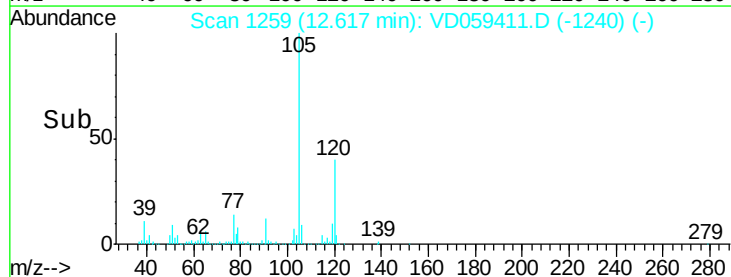
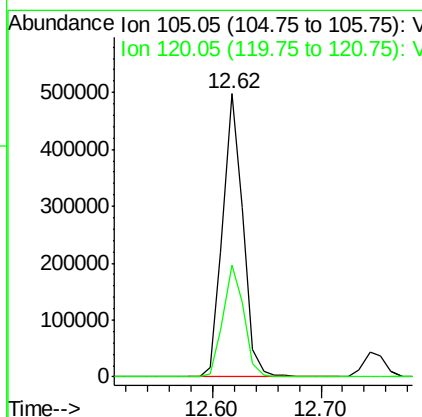
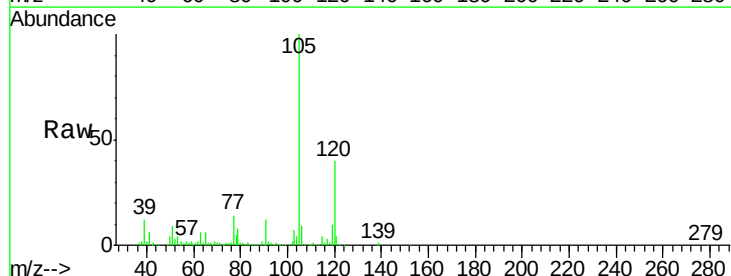
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618RE

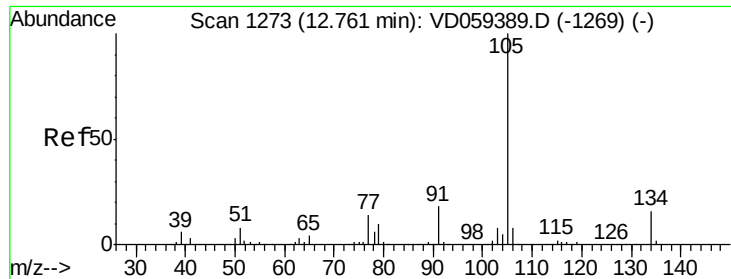
Tot Ion:119 Resp: 18484
 Ion Ratio Lower Upper
 119 100
 91 77.2 36.9 110.7
 134 25.0 11.2 33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 36.263 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

Tgt Ion:105 Resp: 651583
 Ion Ratio Lower Upper
 105 100
 120 39.5 21.5 64.5

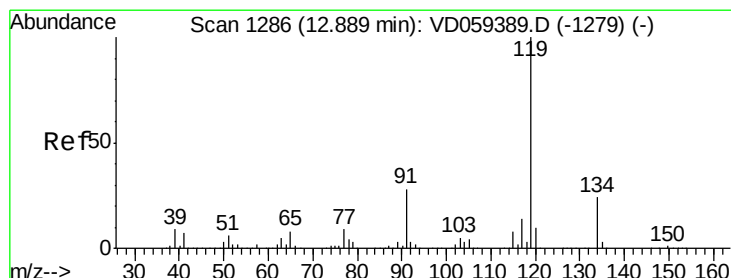
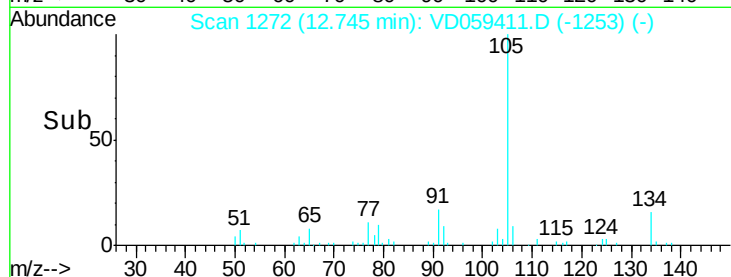
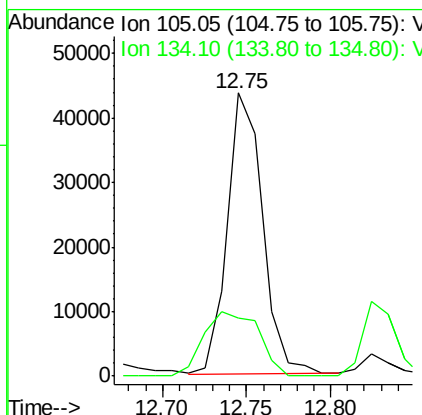
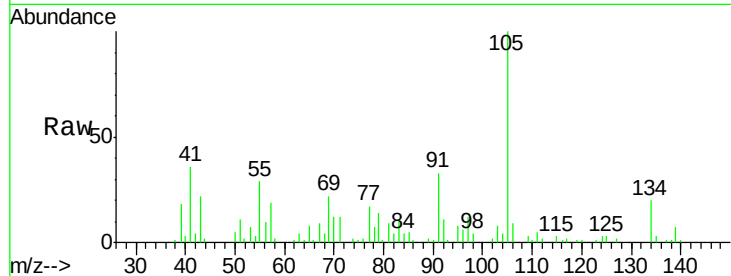




#85
 sec-Butylbenzene
 Concen: 2.861 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.02 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

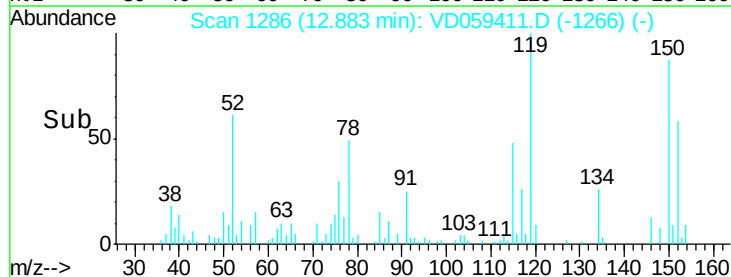
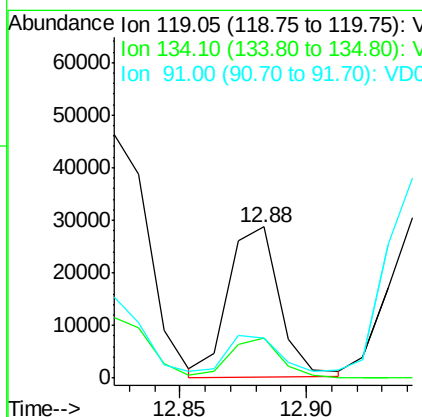
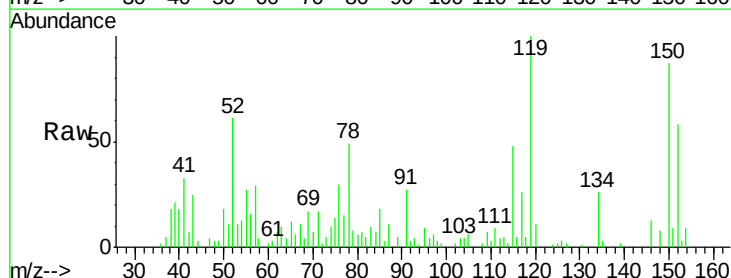
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618RE

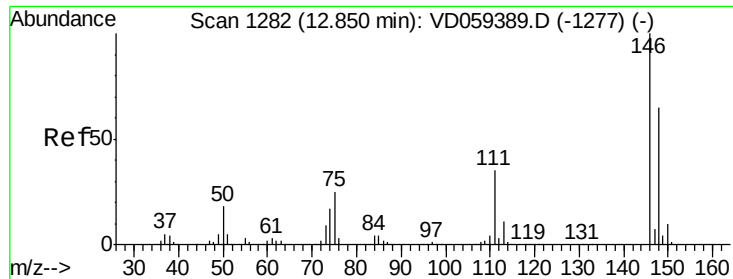
Tot Ion:105 Resp: 63405
 Ion Ratio Lower Upper
 105 100
 134 20.4 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 2.269 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

Tgt Ion:119 Resp: 40525
 Ion Ratio Lower Upper
 119 100
 134 26.2 11.9 35.5
 91 26.7 14.1 42.4

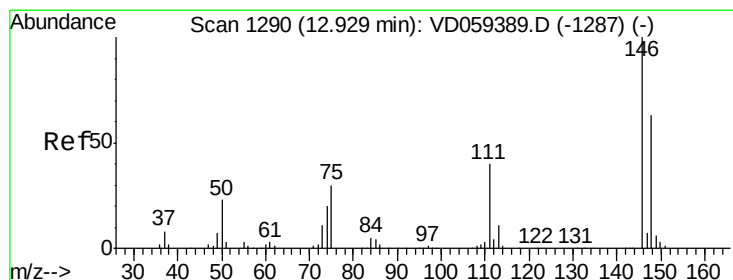
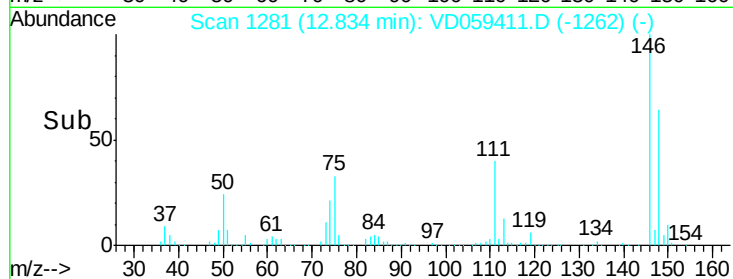
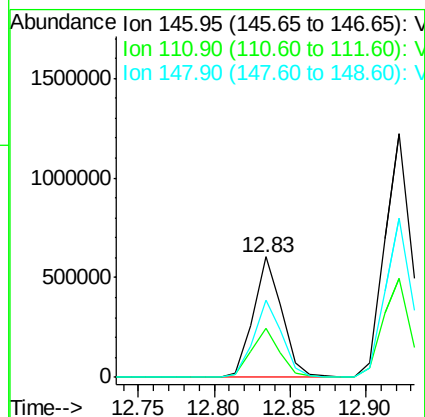
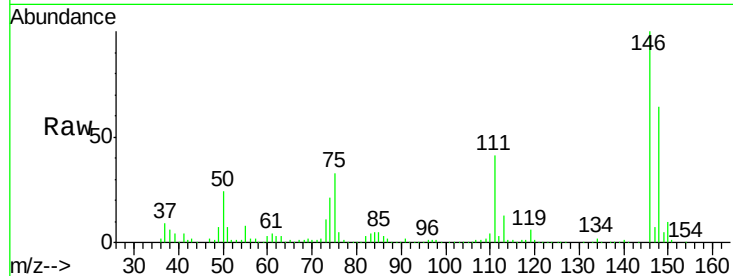




#87
 1,3-Dichlorobenzene
 Concen: 72.046 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

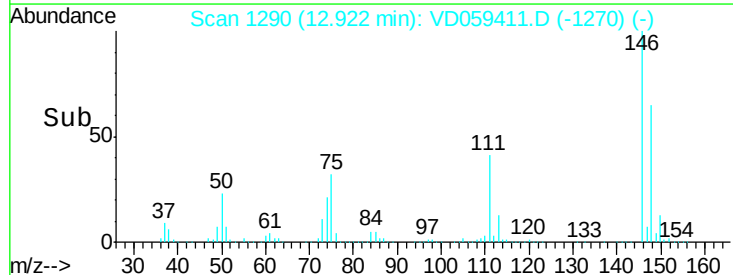
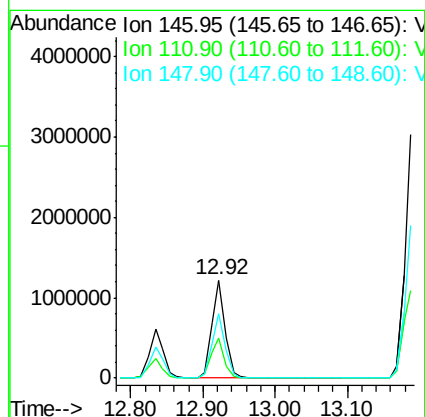
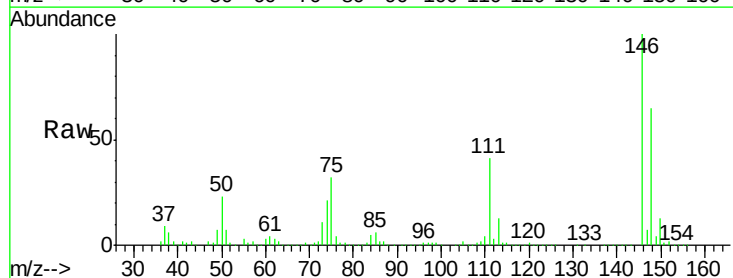
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618RE

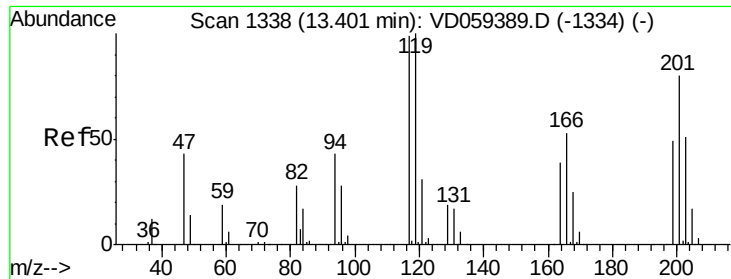
Tot Ion:146 Resp: 795611
 Ion Ratio Lower Upper
 146 100
 111 40.8 17.6 52.8
 148 63.8 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 141.679 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059411.D
 Acq: 25 Jun 2018 20:58

Tgt Ion:146 Resp: 1543931
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.1 60.2
 148 65.3 31.4 94.0





#90

Hexachloroethane

Concen: 3.910 ug/l

RT: 13.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Instrument :

MSVOA_D

ClientSampleId :

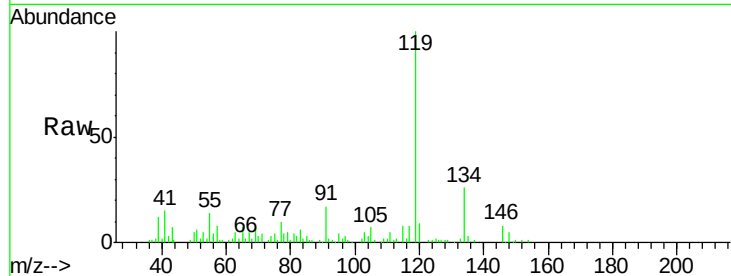
WP021SB472-13-15-180618RE

Tot Ion:117 Resp: 17425

Ion Ratio Lower Upper

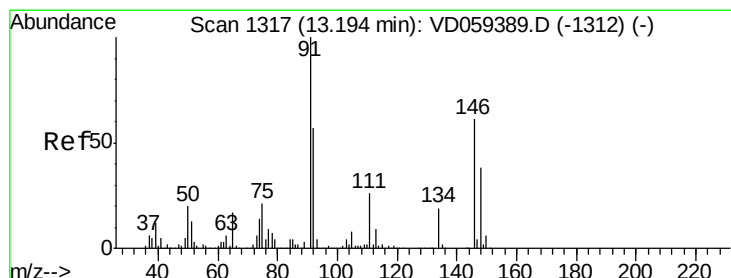
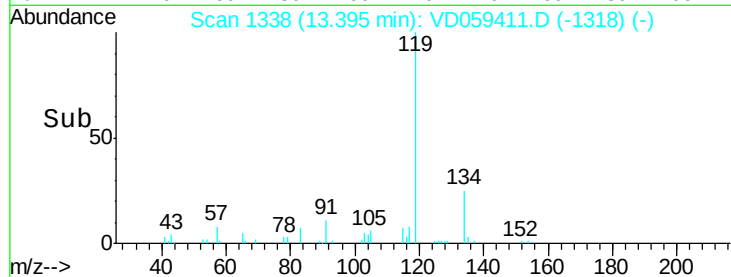
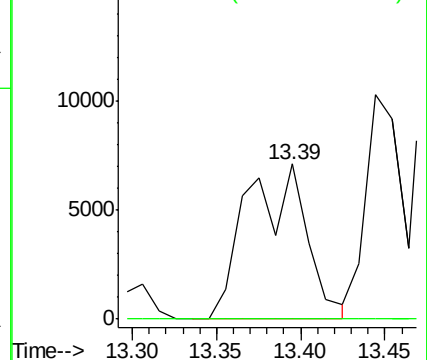
117 100

201 0.0 40.1 120.3#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 658.584 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

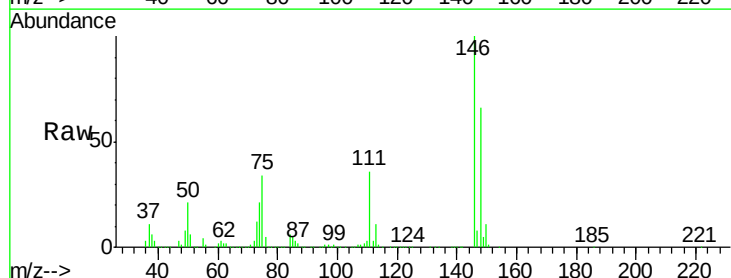
Tgt Ion:146 Resp: 6166291

Ion Ratio Lower Upper

146 100

111 35.8 21.4 64.2

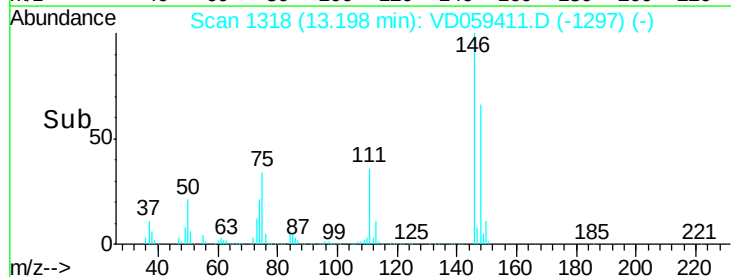
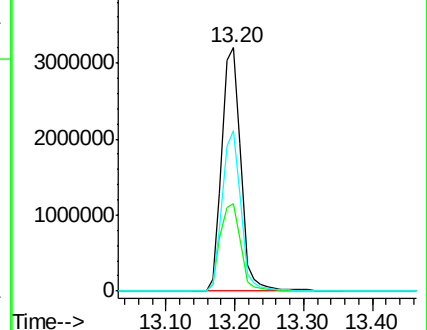
148 65.6 31.6 95.0

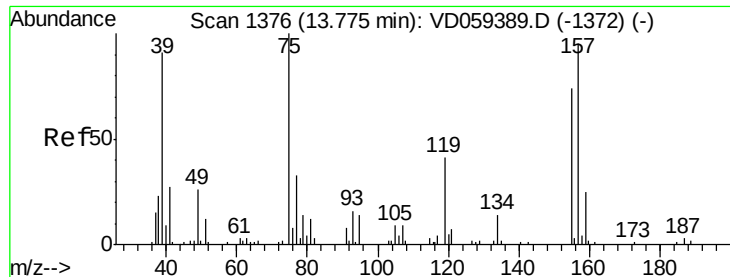


Abundance Ion 145.95 (145.65 to 146.65): V

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: 6.098 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. -0.01 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

Instrument :

MSVOA_D

ClientSampleId :

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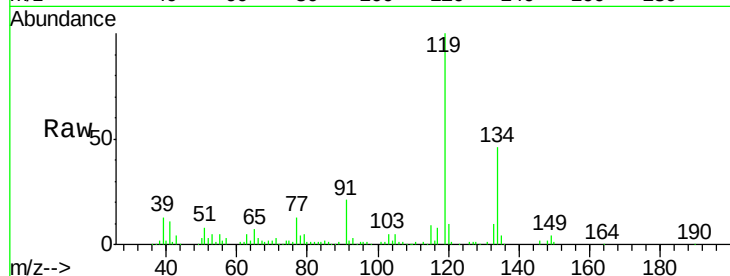
Tot Ion: 75 Resp: 5031

Ion Ratio Lower Upper

75 100

155 0.0 37.2 111.6#

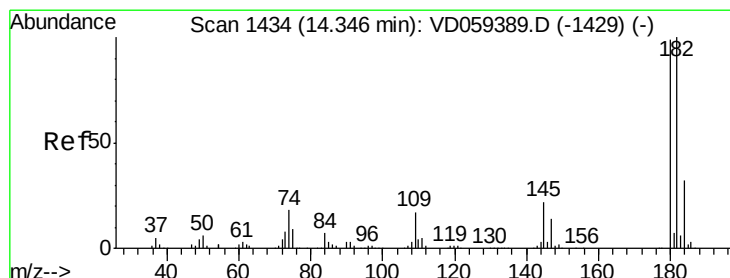
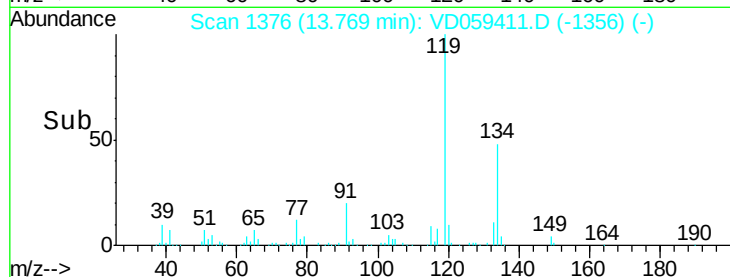
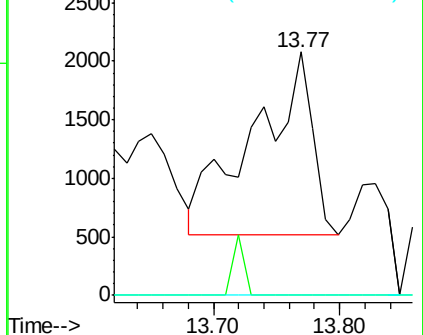
157 0.0 47.4 142.2#



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: 4.869 ug/l

RT: 14.33 min Scan# 1433

Delta R.T. -0.02 min

Lab File: VD059411.D

Acq: 25 Jun 2018 20:58

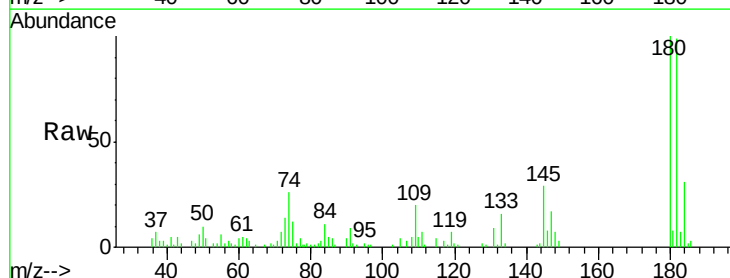
Tgt Ion: 180 Resp: 42151

Ion Ratio Lower Upper

180 100

182 99.5 50.4 151.2

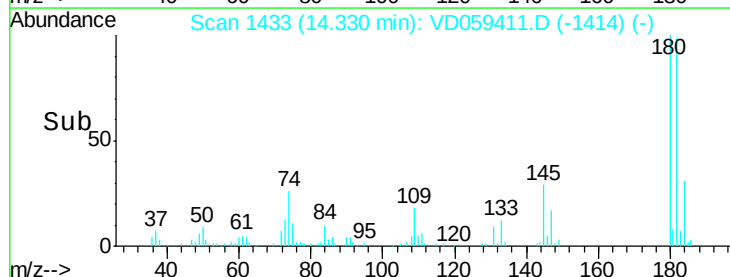
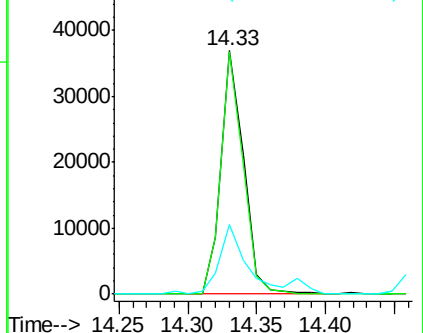
145 28.7 11.0 33.0

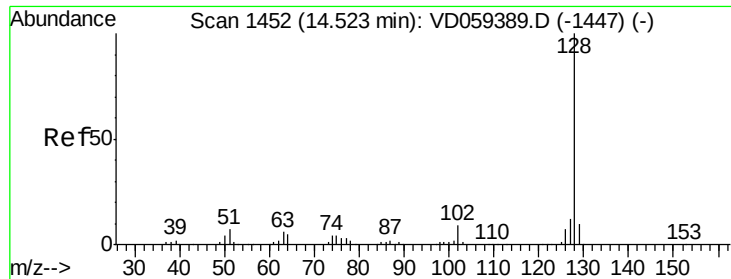


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

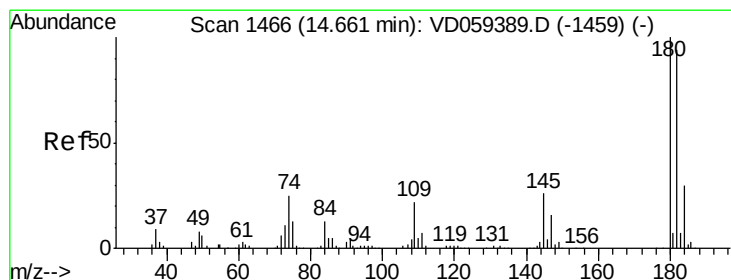
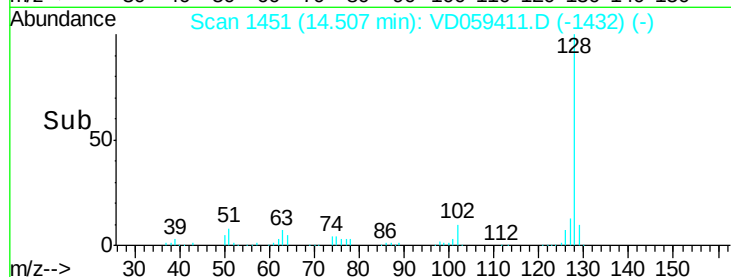
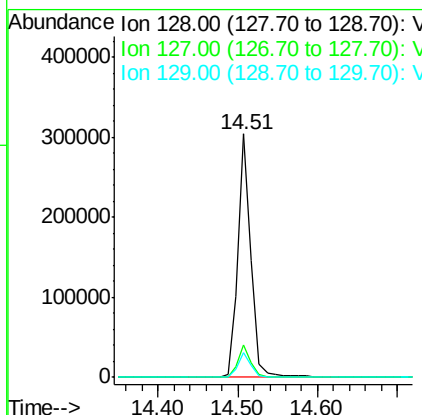
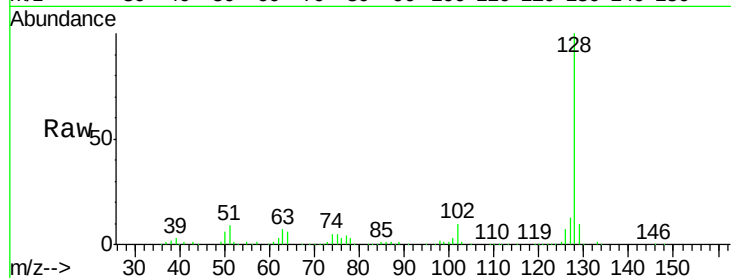




#95
Naphthalene
Concen: 29.146 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.02 min
Lab File: VD059411.D
Acq: 25 Jun 2018 20:58

Instrument :
MSVOA_D
ClientSampleId :
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Tot Ion:128 Resp: 351632
Ion Ratio Lower Upper
128 100
127 13.4 9.6 14.4
129 10.2 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 1.140 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.01 min
Lab File: VD059411.D
Acq: 25 Jun 2018 20:58

Tgt Ion:180 Resp: 8874
Ion Ratio Lower Upper
180 100
182 84.4 47.1 141.4
145 35.3 13.1 39.3

