

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
 Data File : VD061258.D
 Acq On : 22 Mar 2019 14:00
 Operator : VA/AP
 Sample : K2010-01RE
 Misc : 5.48g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Mar 22 23:26:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.11	168	78300	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	8.27	114	139165	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.40	117	119945	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	14.54	152	41830	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.51	65	47676	73.15	ug/l	0.06
Spiked Amount			Recovery	=	146.30%	
35) Dibromofluoromethane	6.98	113	56769	54.97	ug/l	0.05
Spiked Amount			Recovery	=	109.94%	
50) Toluene-d8	10.45	98	109636	42.27	ug/l	0.05
Spiked Amount			Recovery	=	84.54%	
62) 4-Bromofluorobenzene	13.58	95	46033	45.74	ug/l	0.03
Spiked Amount			Recovery	=	91.48%	

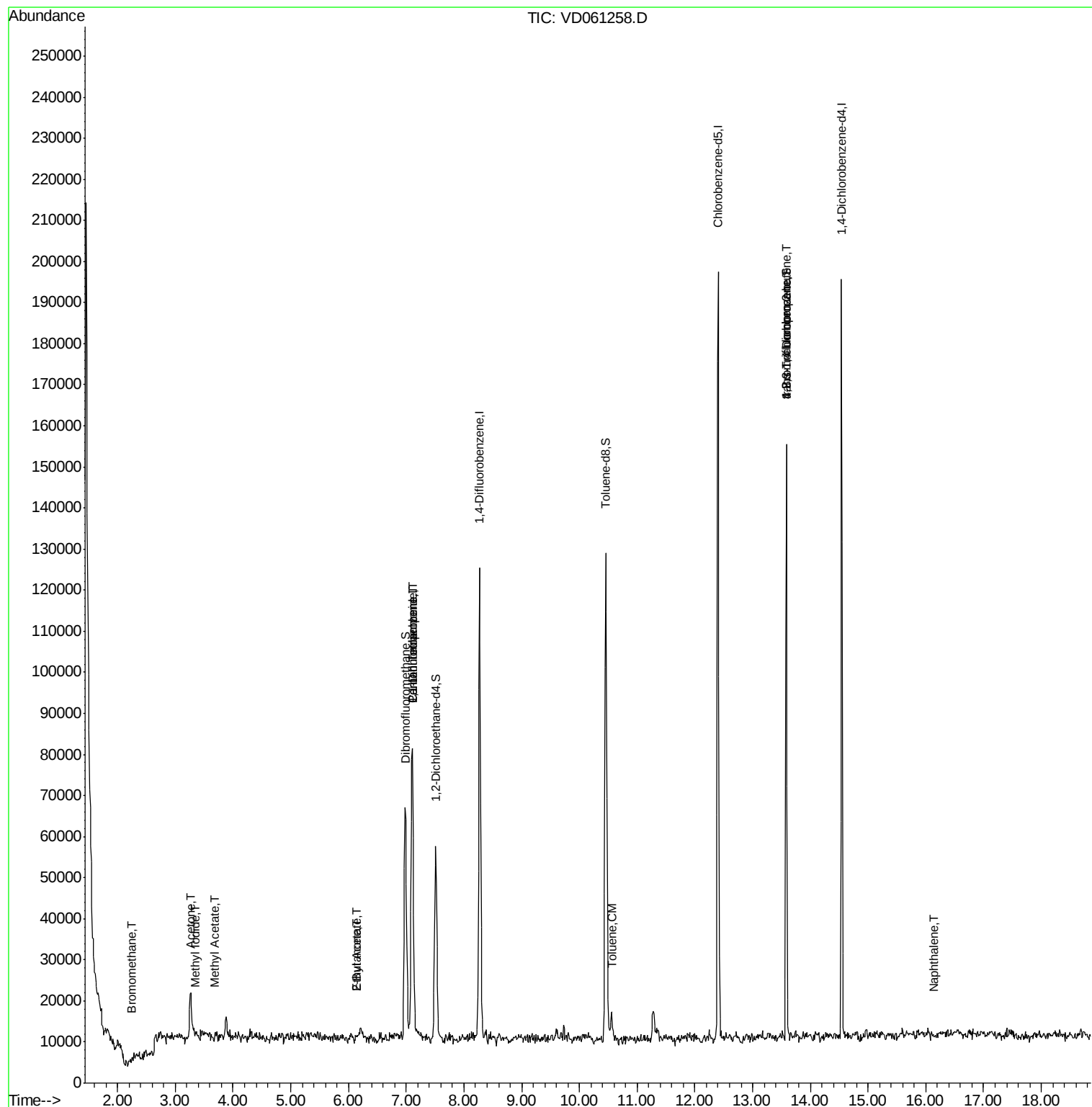
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.24	94	215	1.021	ug/l #	8
10) Methyl Iodide	3.36	142	647	3.395	ug/l #	39
16) Acetone	3.26	43	21600	115.895	ug/l	97
18) Methyl Acetate	3.69	43	1896	5.169	ug/l #	59
20) Methylene Chloride	3.89	84	3281	Below Cal	#	62
25) 2-Butanone	6.14	43	1171	5.537	ug/l #	55
36) 1,1-Dichloropropene	7.11	75	4544	3.788	ug/l #	39
37) Ethyl Acetate	6.14	43	1171	2.080	ug/l #	66
38) Carbon Tetrachloride	7.11	117	7261	5.495	ug/l #	11
52) Toluene	10.56	92	4638	2.488	ug/l	87
76) 1,2,3-Trichloropropane	13.58	75	16191	26.904	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.58	75	16192	91.262	ug/l #	17
95) Naphthalene	16.14	128	893	1.106	ug/l #	70

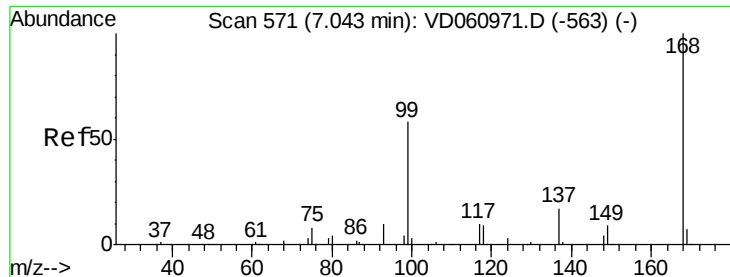
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032219\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.11 min Scan# 577

Delta R.T. 0.06 min

Lab File: VD061258.D

Acq: 22 Mar 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

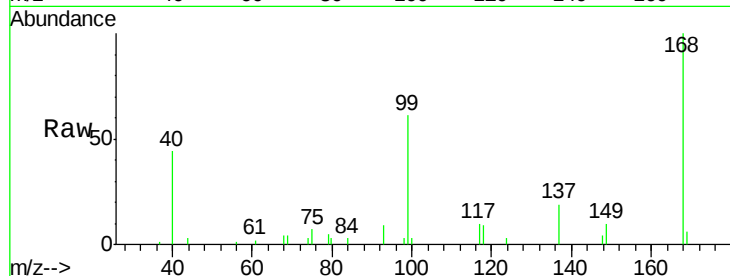
TP-1

Tot Ion:168 Resp: 78300

Ion Ratio Lower Upper

168 100

99 61.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.11

25000

20000

15000

10000

5000

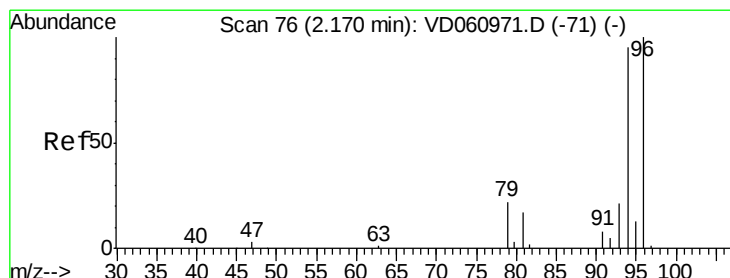
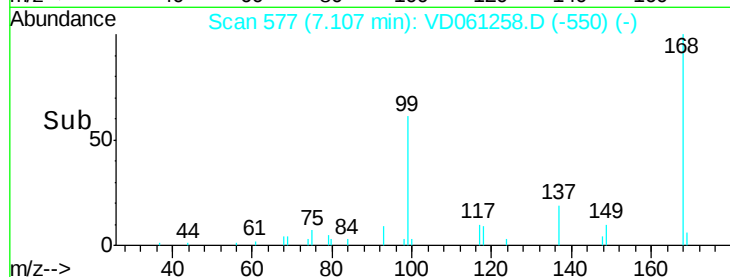
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Time-->

7.00

7.10

7.20



#5

Bromomethane

Concen: 1.021 ug/l

RT: 2.24 min Scan# 83

Delta R.T. 0.08 min

Lab File: VD061258.D

Acq: 22 Mar 2019 14:00

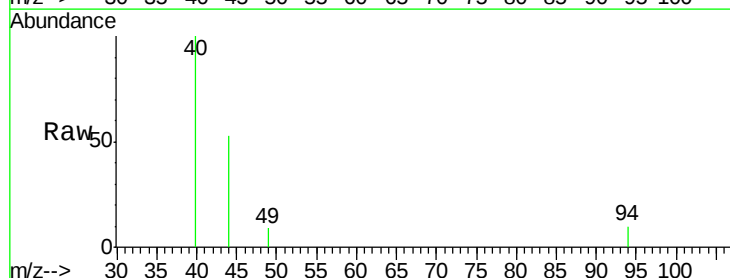
Tgt Ion: 94 Resp: 215

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

93 0.0 17.3 25.9#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.24

500

400

300

200

100

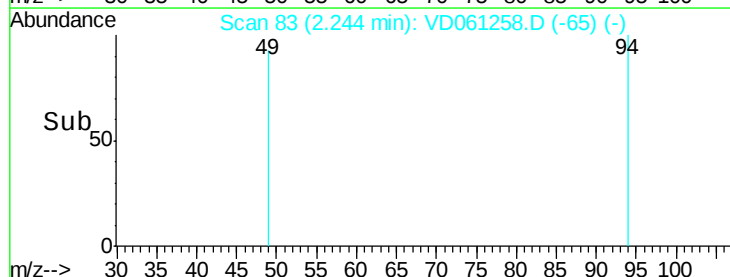
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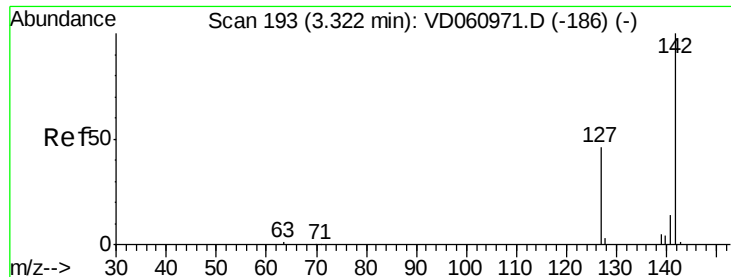
Time-->

2.22

2.24

2.26

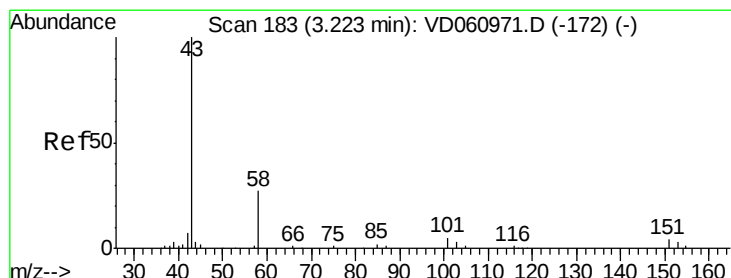
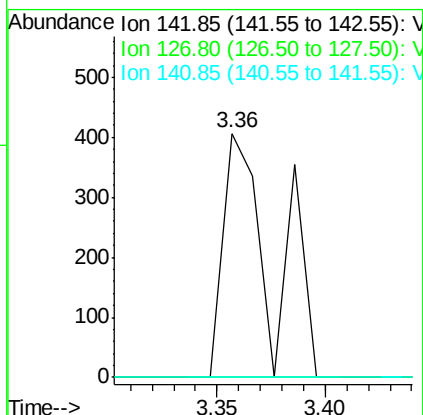
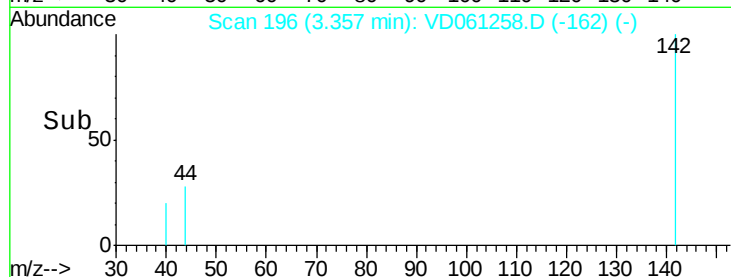
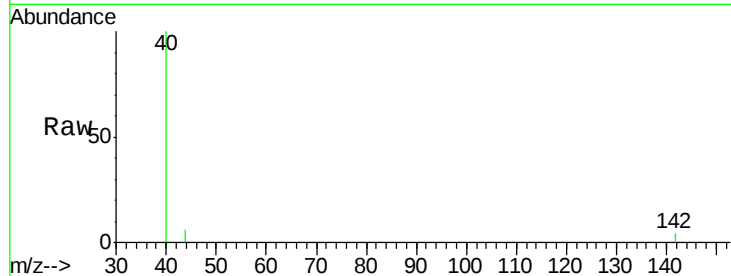




#10
Methyl Iodide
Concen: 3.395 ug/l
RT: 3.36 min Scan# 196
Delta R.T. 0.04 min
Lab File: VD061258.D
Acq: 22 Mar 2019 14:00

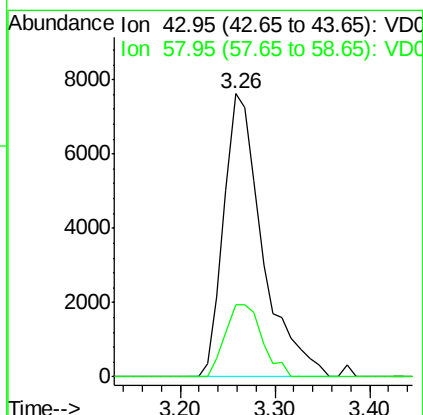
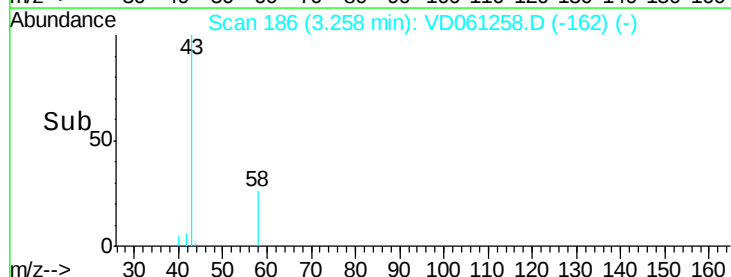
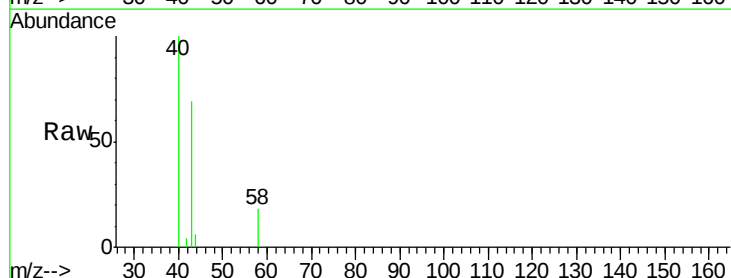
Instrument :
MSVOA_D
ClientSampleId :
TP-1

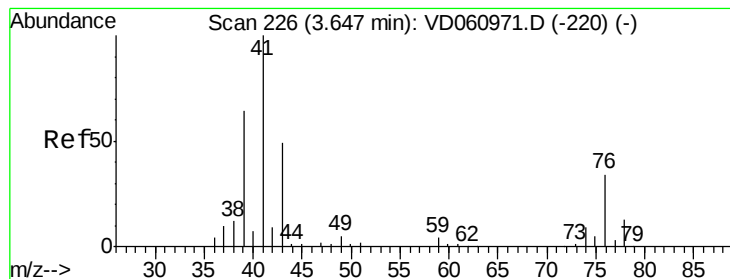
Tot Ion:142 Resp: 647
Ion Ratio Lower Upper
142 100
127 0.0 36.8 55.2#
141 0.0 11.2 16.8#



#16
Acetone
Concen: 115.895 ug/l
RT: 3.26 min Scan# 186
Delta R.T. 0.03 min
Lab File: VD061258.D
Acq: 22 Mar 2019 14:00

Tgt Ion: 43 Resp: 21600
Ion Ratio Lower Upper
43 100
58 25.6 21.6 32.4





#18

Methvl Acetate

Concen: 5.169 ug/l

RT: 3.69 min Scan# 230

Delta R.T. 0.04 min

Lab File: VD061258.D

Acq: 22 Mar 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

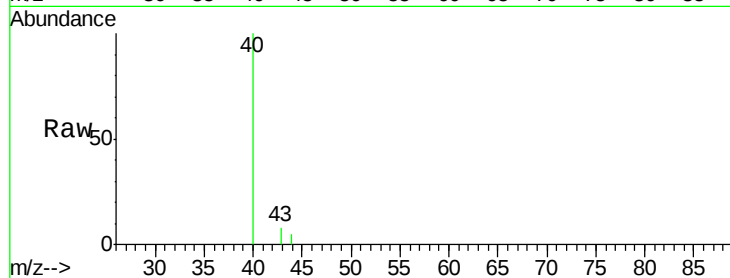
TP-1

Tot Ion: 43 Resp: 1896

Ion Ratio Lower Upper

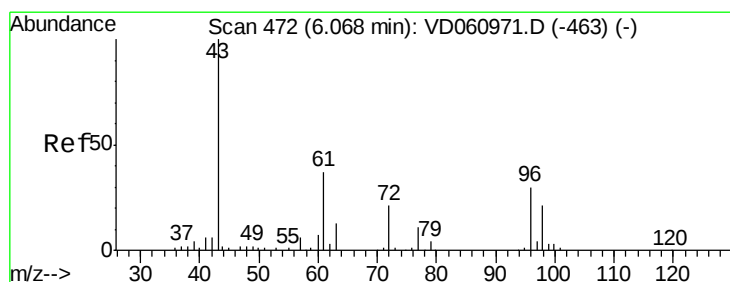
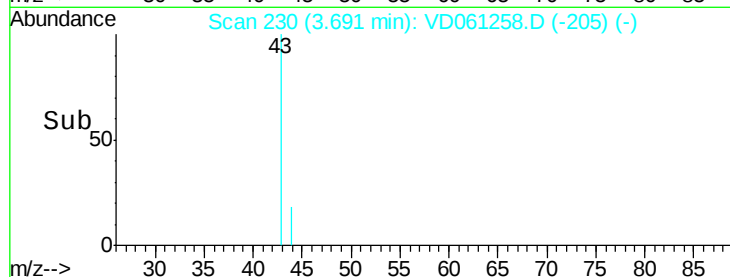
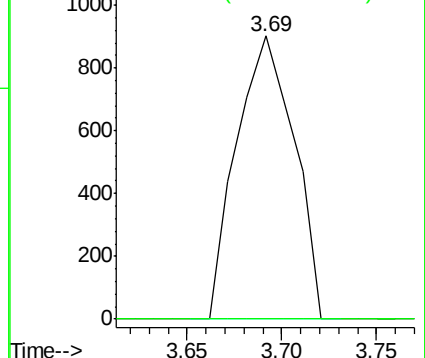
43 100

74 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



#25

2-Butanone

Concen: 5.537 ug/l

RT: 6.14 min Scan# 479

Delta R.T. 0.07 min

Lab File: VD061258.D

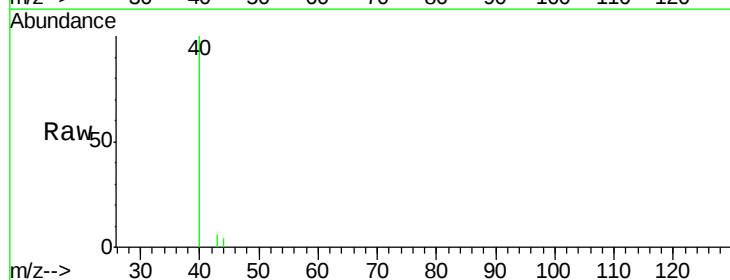
Acq: 22 Mar 2019 14:00

Tgt Ion: 43 Resp: 1171

Ion Ratio Lower Upper

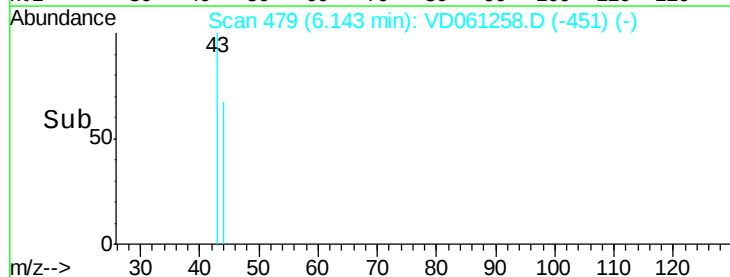
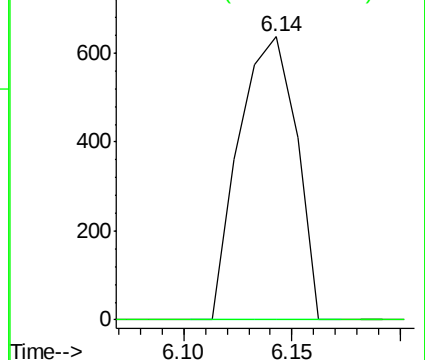
43 100

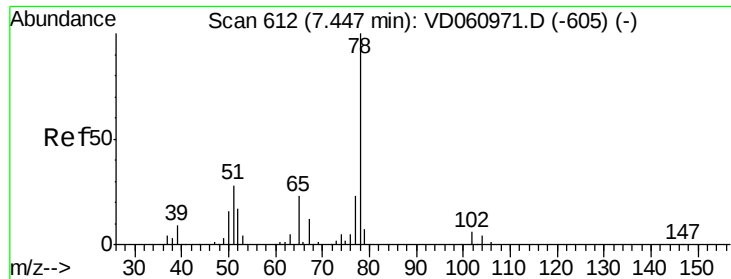
72 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.51 min Scan# 618

Delta R.T. 0.06 min

Lab File: VD061258.D

Acq: 22 Mar 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

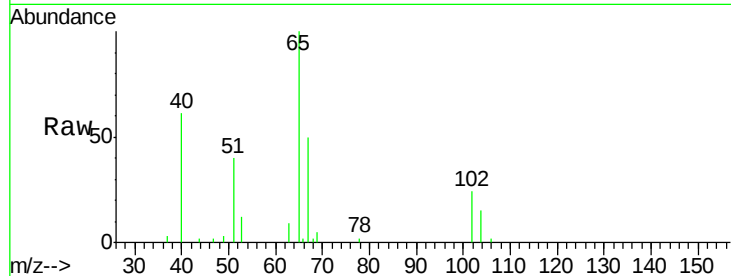
TP-1

Tot Ion: 65 Resp: 47676

Ion Ratio Lower Upper

65 100

67 49.5 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.51

15000

10000

5000

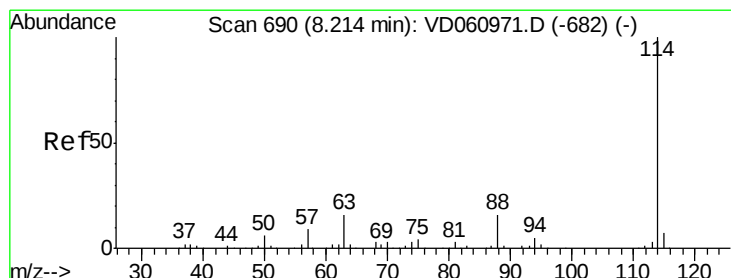
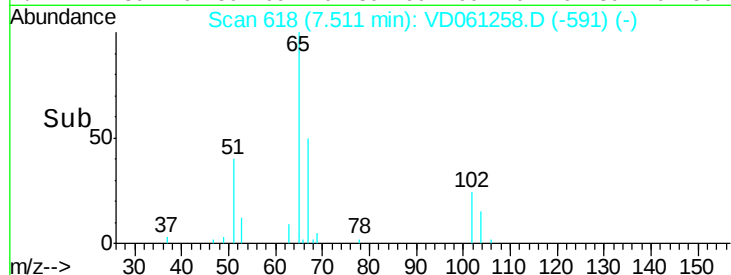
0

7.40

7.50

7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.27 min Scan# 695

Delta R.T. 0.05 min

Lab File: VD061258.D

Acq: 22 Mar 2019 14:00

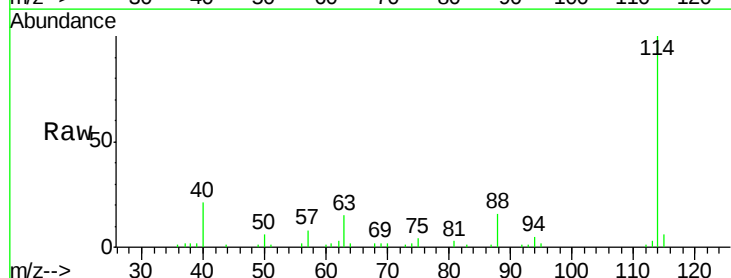
Tgt Ion:114 Resp: 139165

Ion Ratio Lower Upper

114 100

63 15.0 0.0 31.4

88 16.1 0.0 33.0



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

60000

40000

20000

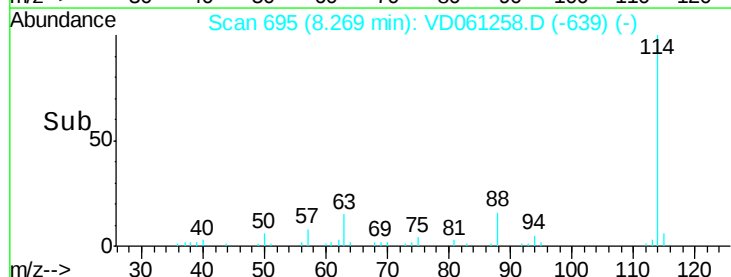
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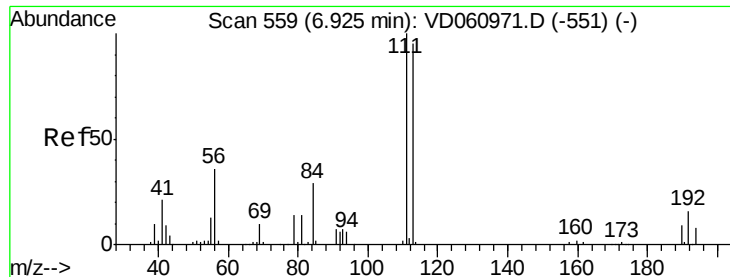
8.20

8.30

8.40

Time-->

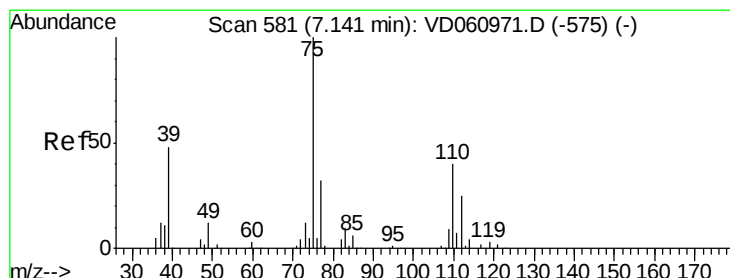
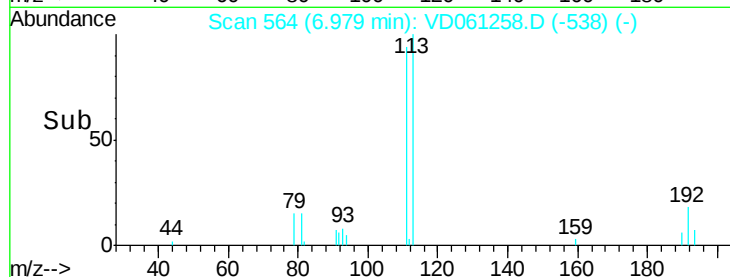
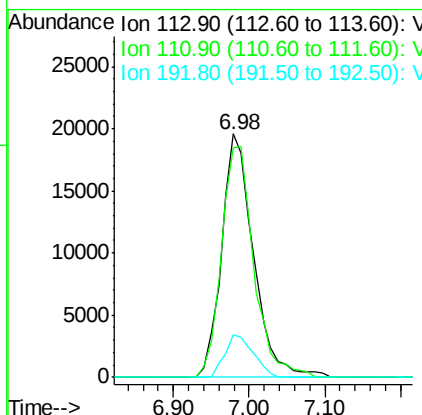
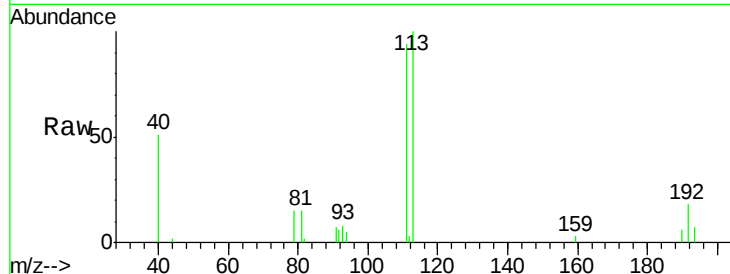




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.98 min Scan# 564
 Delta R.T. 0.05 min
 Lab File: VD061258.D
 Acq: 22 Mar 2019 14:00

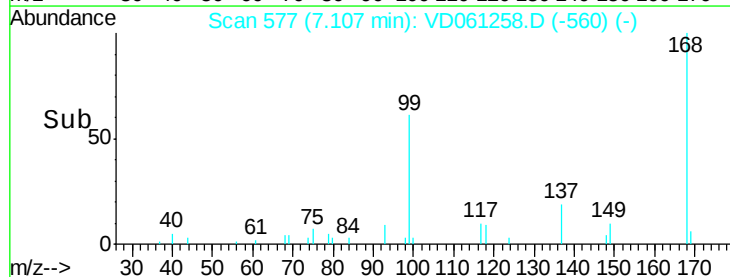
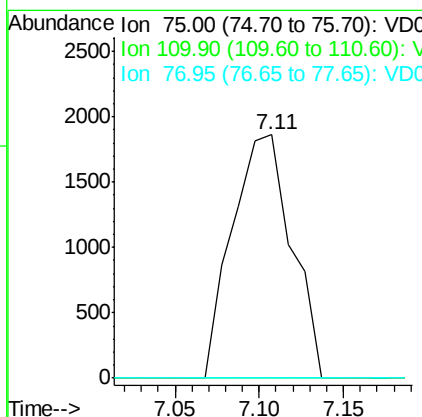
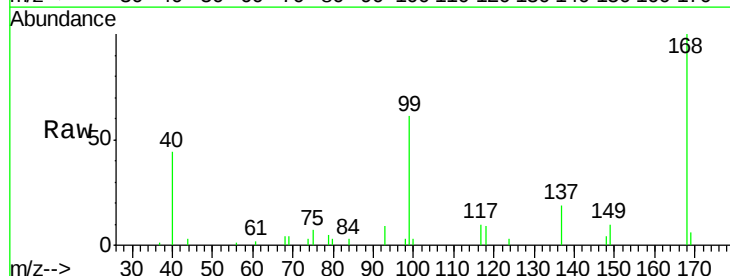
Instrument :
 MSVOA_D
 ClientSampled :
 TP-1

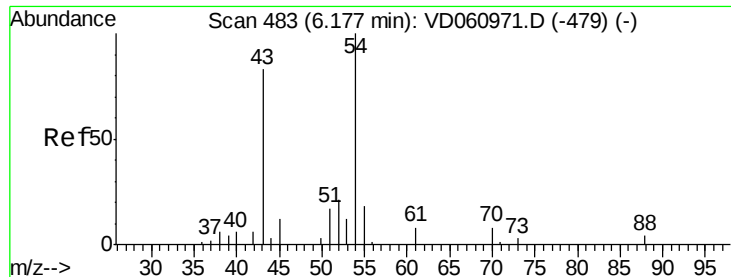
Tot Ion:113 Resp: 56769
 Ion Ratio Lower Upper
 113 100
 111 94.3 84.2 126.4
 192 17.5 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 3.788 ug/l
 RT: 7.11 min Scan# 577
 Delta R.T. -0.03 min
 Lab File: VD061258.D
 Acq: 22 Mar 2019 14:00

Tgt Ion: 75 Resp: 4544
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.7 59.1#
 77 0.0 24.7 37.1#

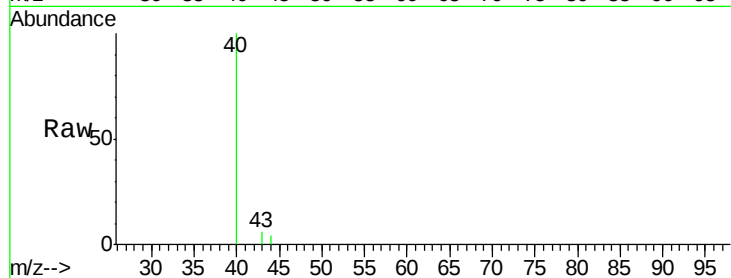




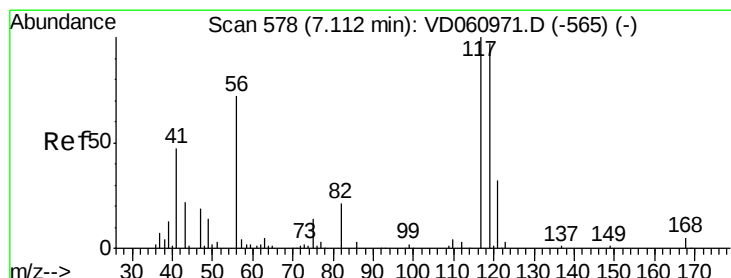
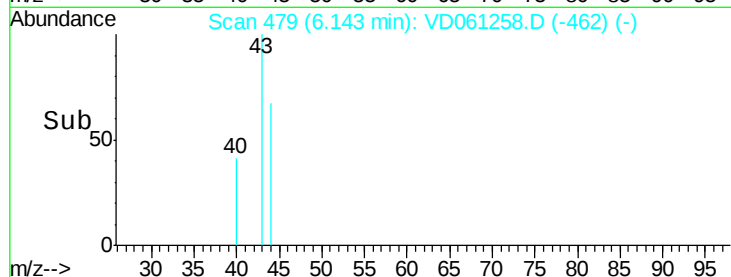
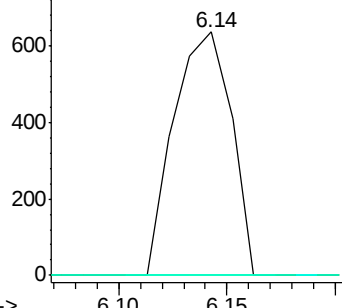
#37
Ethyl Acetate
Concen: 2.080 ug/l
RT: 6.14 min Scan# 479
Delta R.T. -0.03 min
Lab File: VD061258.D
Acq: 22 Mar 2019 14:00

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tot Ion: 43 Resp: 1171
Ion Ratio Lower Upper
43 100
61 0.0 13.7 20.5#
70 0.0 7.1 10.7#

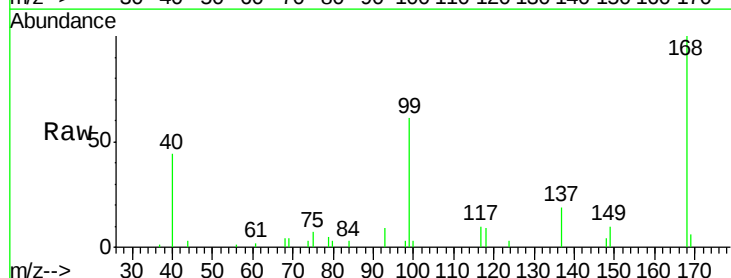


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

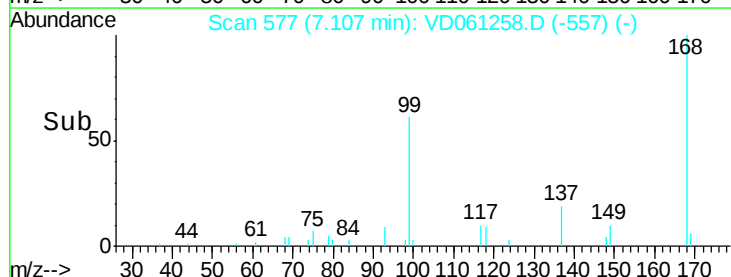
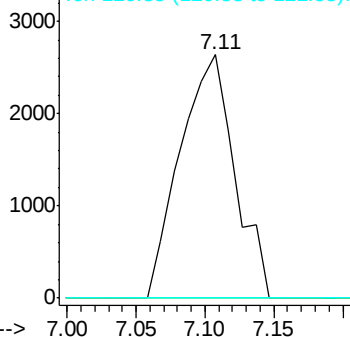


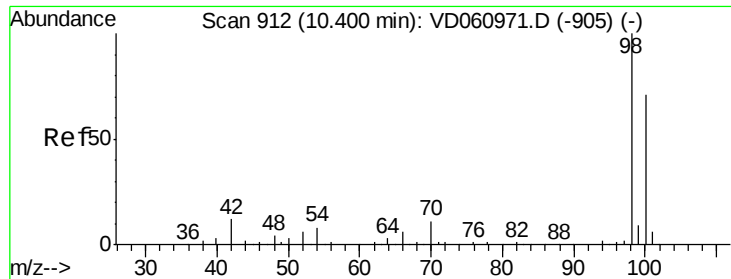
#38
Carbon Tetrachloride
Concen: 5.495 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD061258.D
Acq: 22 Mar 2019 14:00

Tgt Ion: 117 Resp: 7261
Ion Ratio Lower Upper
117 100
119 0.0 77.8 116.8#
121 0.0 25.3 37.9#



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

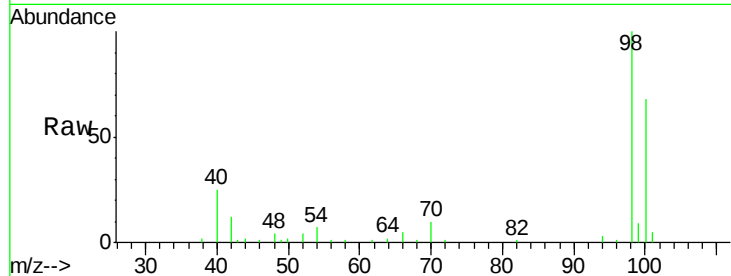




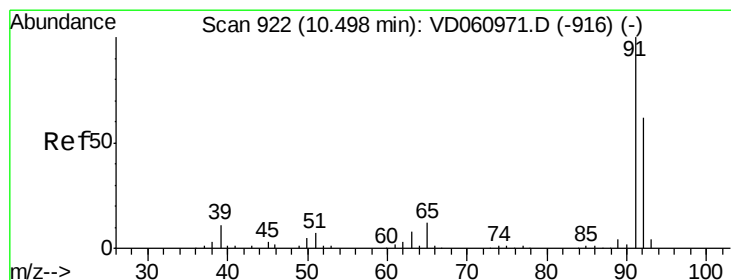
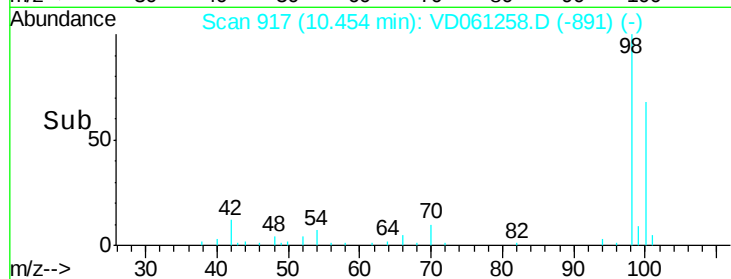
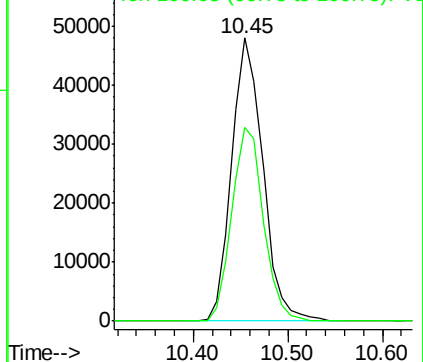
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.45 min Scan# 917
Delta R.T. 0.05 min
Lab File: VD061258.D
Acq: 22 Mar 2019 14:00

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tot Ion: 98 Resp: 109636
Ion Ratio Lower Upper
98 100
100 68.4 57.4 86.2

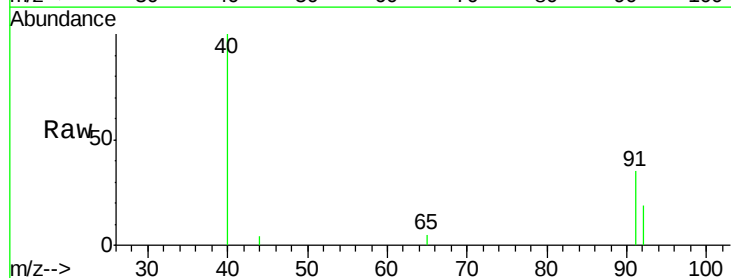


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

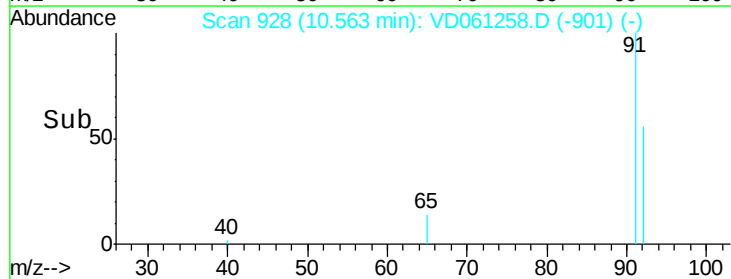
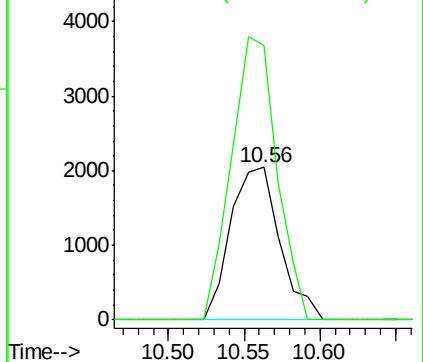


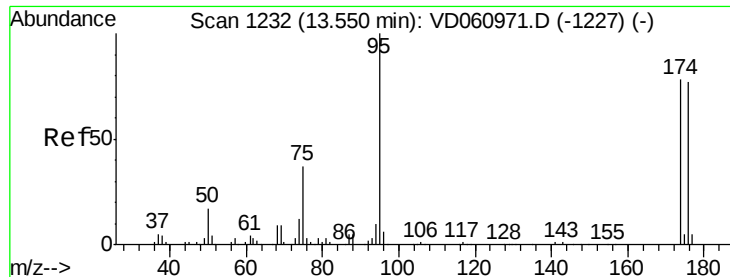
#52
Toluene
Concen: 2.488 ug/l
RT: 10.56 min Scan# 928
Delta R.T. 0.06 min
Lab File: VD061258.D
Acq: 22 Mar 2019 14:00

Tgt Ion: 92 Resp: 4638
Ion Ratio Lower Upper
92 100
91 180.1 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.03 min

Lab File: VD061258.D

Acq: 22 Mar 2019 14:00

Instrument :

MSVOA_D

ClientSampled :

TP-1

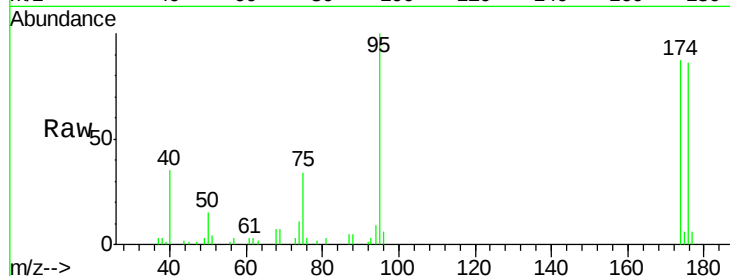
Tot Ion: 95 Resp: 46033

Ion Ratio Lower Upper

95 100

174 87.0 0.0 155.6

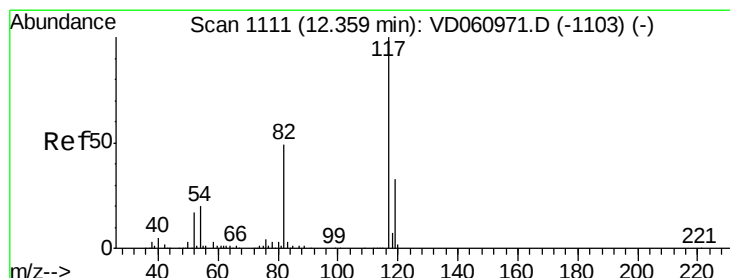
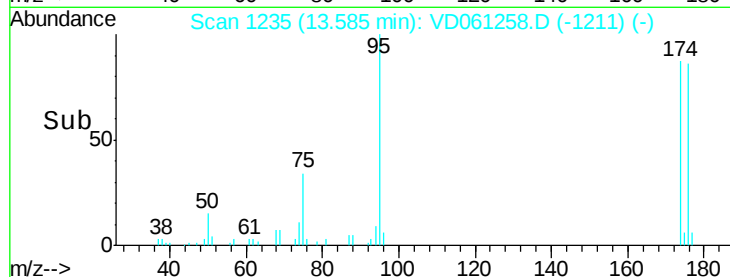
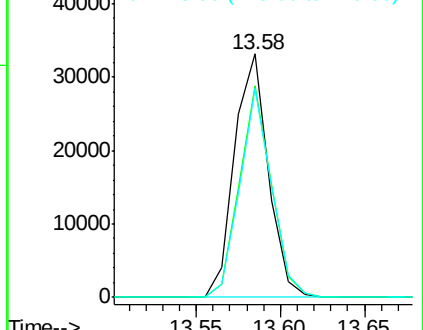
176 85.8 0.0 153.8



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: 12.40 min Scan# 1115

Delta R.T. 0.04 min

Lab File: VD061258.D

Acq: 22 Mar 2019 14:00

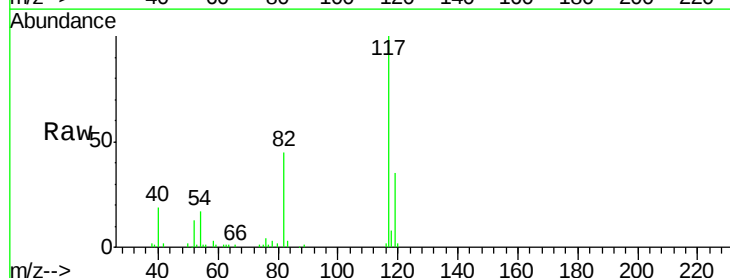
Tgt Ion: 117 Resp: 119945

Ion Ratio Lower Upper

117 100

82 44.5 38.9 58.3

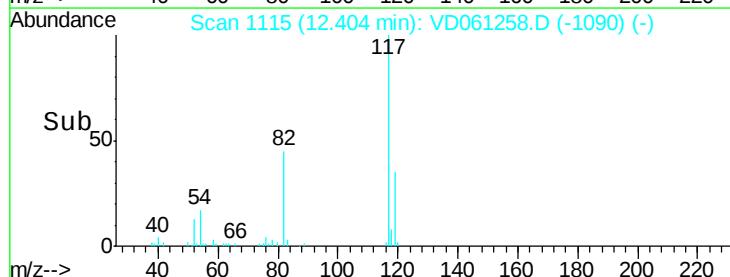
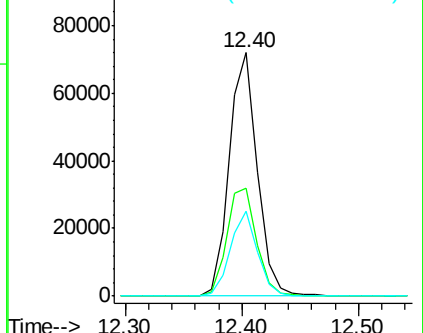
119 34.9 26.6 39.8

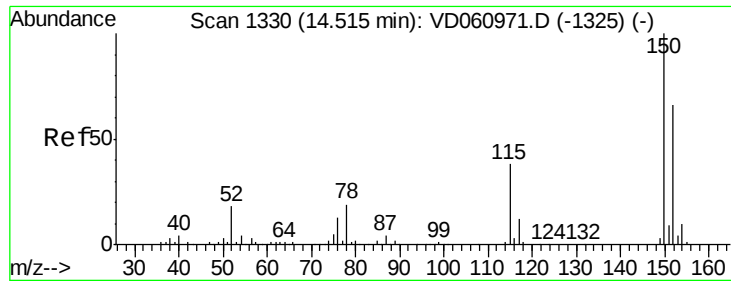


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.03 min

Lab File: VD061258.D

Acq: 22 Mar 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

TP-1

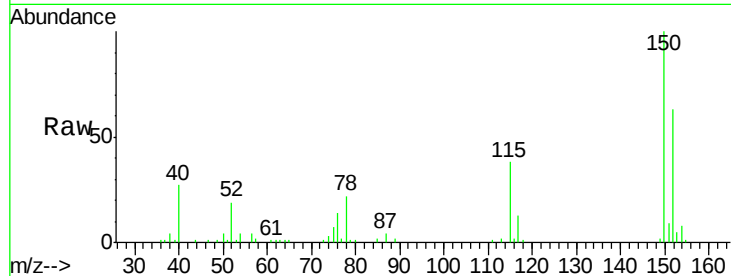
Tot Ion:152 Resp: 41830

Ion Ratio Lower Upper

152 100

115 59.5 28.6 85.9

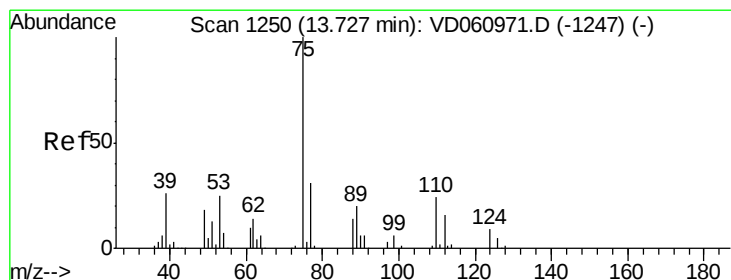
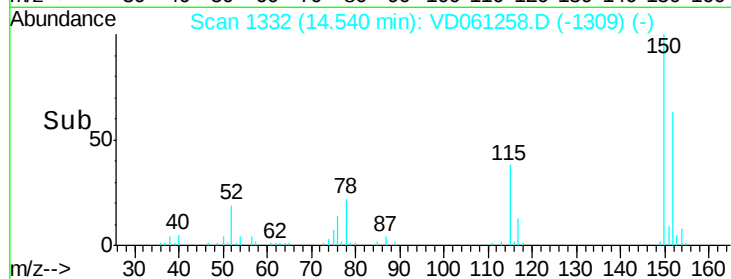
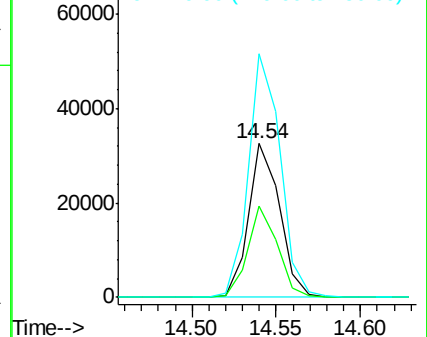
150 158.3 0.0 310.6



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



#76

1,2,3-Trichloropropane

Concen: 26.904 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. -0.14 min

Lab File: VD061258.D

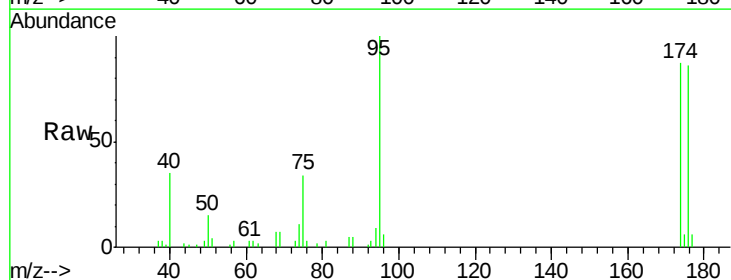
Acq: 22 Mar 2019 14:00

Tgt Ion: 75 Resp: 16191

Ion Ratio Lower Upper

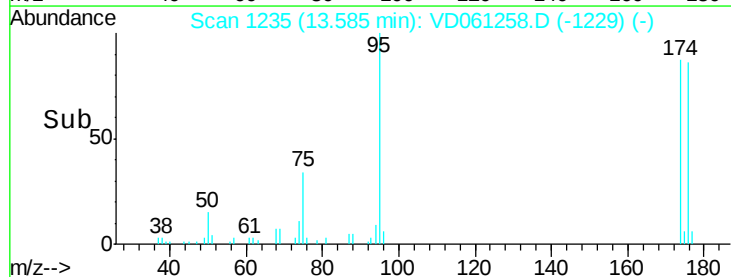
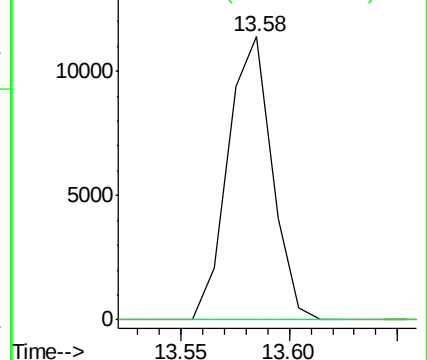
75 100

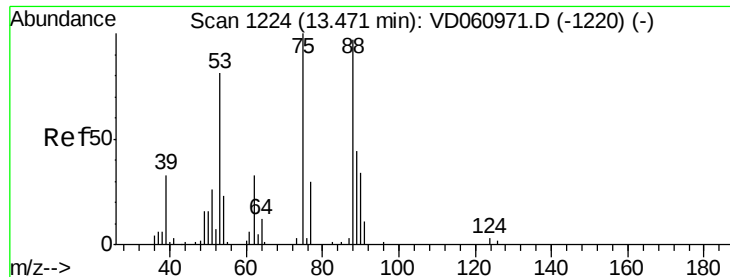
77 0.0 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 91.262 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.11 min

Lab File: VD061258.D

Acq: 22 Mar 2019 14:00

Instrument :

MSVOA_D

ClientSampleId :

TP-1

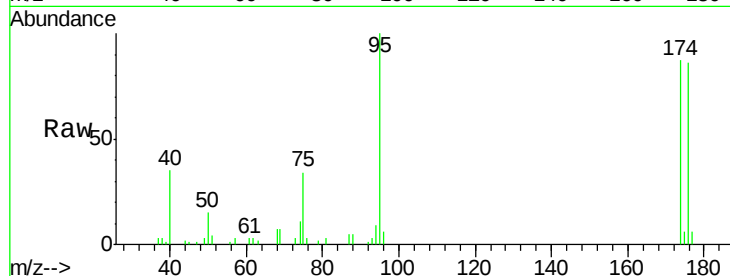
Tot Ion: 75 Resp: 16192

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

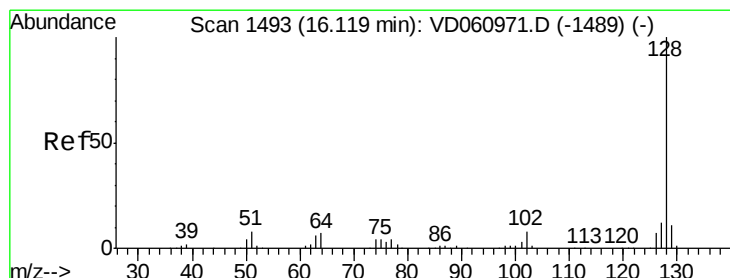
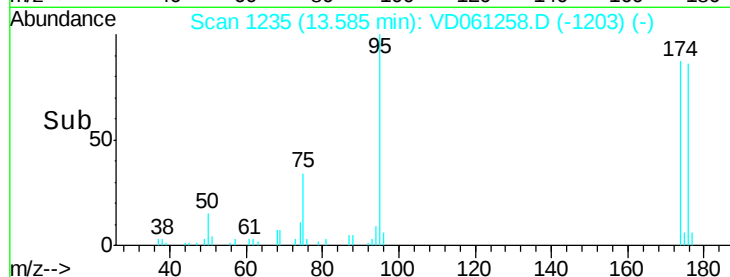
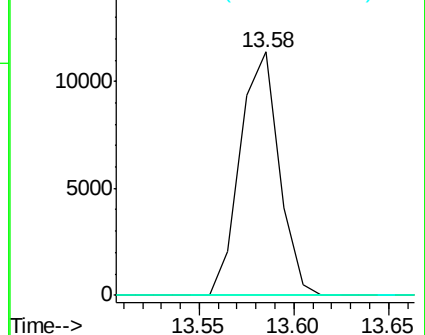
89 0.0 34.8 52.2#



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



#95

Naphthalene

Concen: 1.106 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. 0.03 min

Lab File: VD061258.D

Acq: 22 Mar 2019 14:00

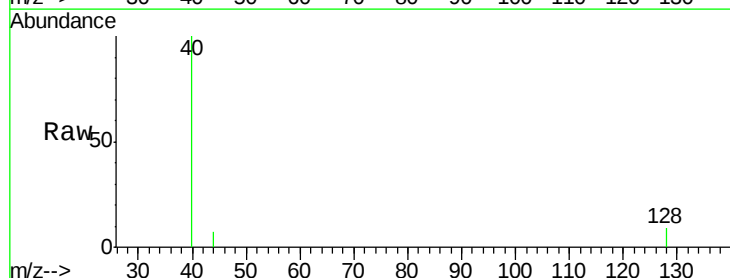
Tgt Ion: 128 Resp: 893

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

