

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061813.D
 Acq On : 16 Apr 2019 16:07
 Operator : VA/AP
 Sample : K2358-02
 Misc : 5.38g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5-S2

Quant Time: Apr 16 16:30:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	3983	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.23	114	12394	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	13918	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	6814	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	6358	190.47	ug/l	-0.04
Spiked Amount			Recovery	=	380.94%	
35) Dibromofluoromethane	6.94	113	6450	68.88	ug/l	-0.04
Spiked Amount			Recovery	=	137.76%	
50) Toluene-d8	10.42	98	13024	58.70	ug/l	-0.03
Spiked Amount			Recovery	=	117.40%	
62) 4-Bromofluorobenzene	13.56	95	6638	73.82	ug/l	-0.02
Spiked Amount			Recovery	=	147.64%	

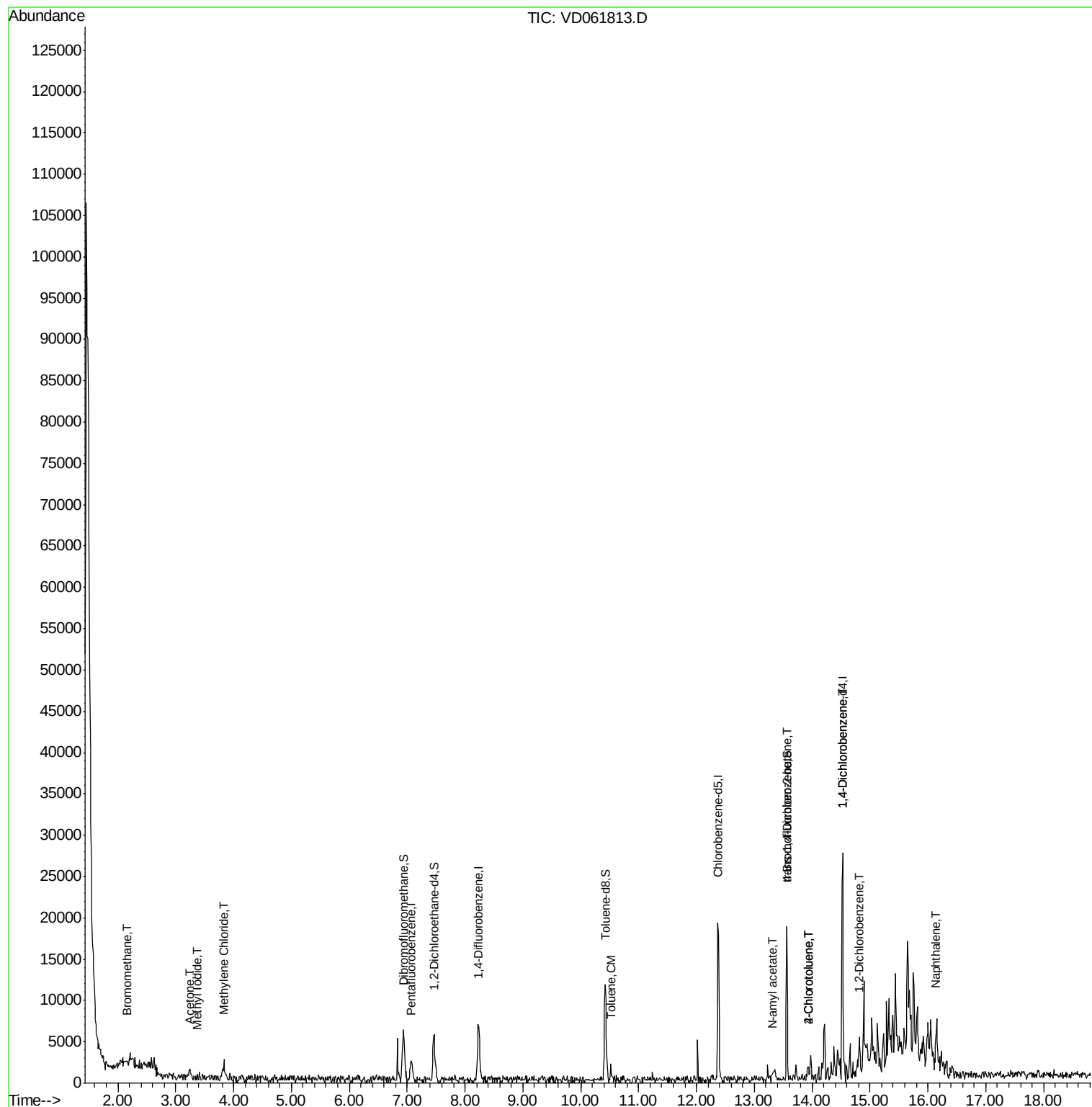
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	246	34.616	ug/l #	12
10) Methyl Iodide	3.38	142	615	11.569	ug/l #	37
16) Acetone	3.22	43	2241	272.388	ug/l #	50
20) Methylene Chloride	3.84	84	1722	41.311	ug/l #	75
52) Toluene	10.52	92	631	4.050	ug/l	90
74) N-amyl acetate	13.31	43	182	1.532	ug/l #	49
79) 2-Chlorotoluene	13.95	91	397	1.331	ug/l #	38
81) trans-1,4-Dichloro-2-buten	13.56	75	1826	62.095	ug/l #	16
82) 4-Chlorotoluene	13.95	91	397	1.163	ug/l #	37
88) 1,4-Dichlorobenzene	14.54	146	667	3.079	ug/l #	69
91) 1,2-Dichlorobenzene	14.81	146	200	1.090	ug/l #	25
95) Naphthalene	16.13	128	402	2.601	ug/l #	70

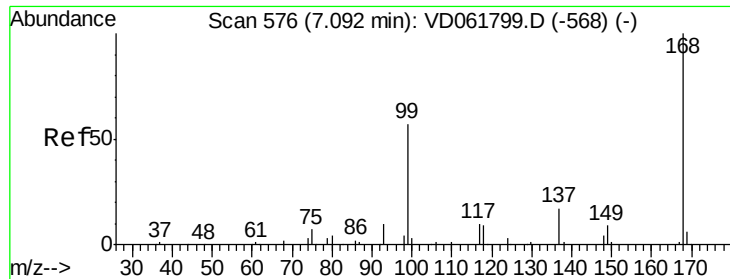
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041619\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD061813.D

Acq: 16 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

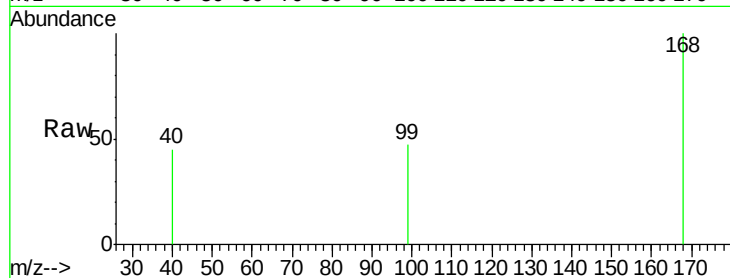
TP-5-S2

Tot Ion:168 Resp: 3983

Ion Ratio Lower Upper

168 100

99 47.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

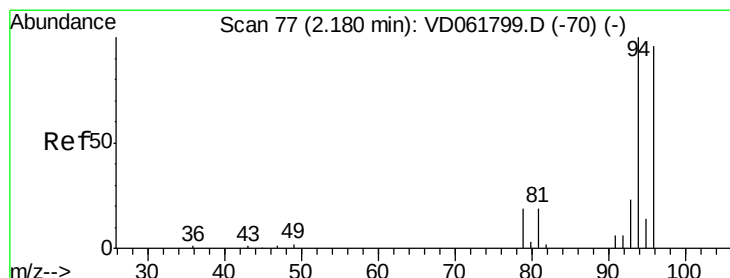
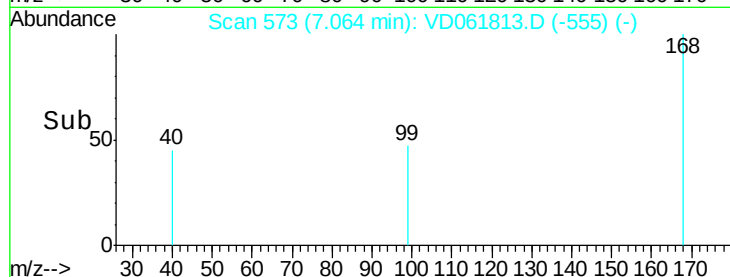
1500

1000

500

0

Time-->



#5

Bromomethane

Concen: 34.616 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.02 min

Lab File: VD061813.D

Acq: 16 Apr 2019 16:07

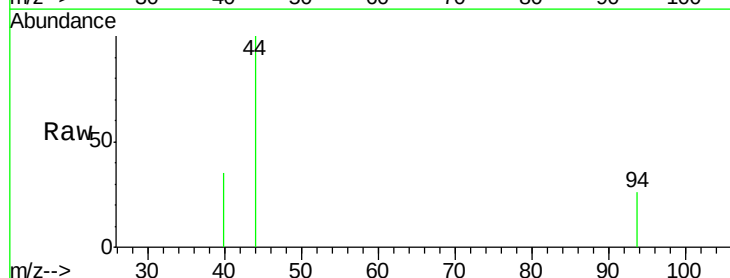
Tgt Ion: 94 Resp: 246

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



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

2.16

500

400

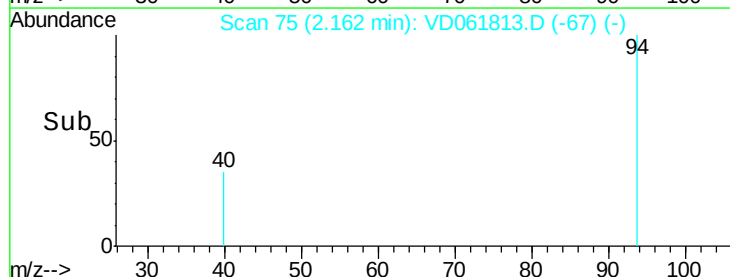
300

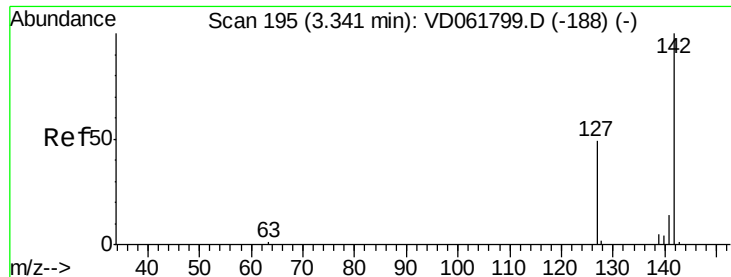
200

100

0

Time-->

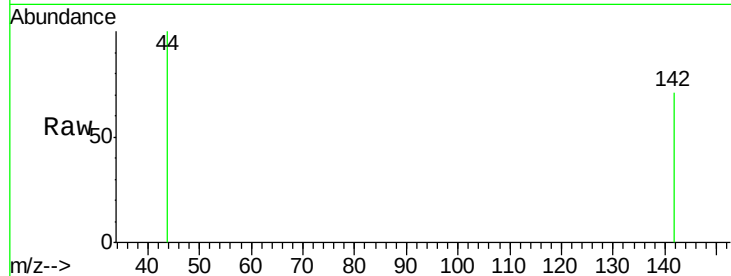




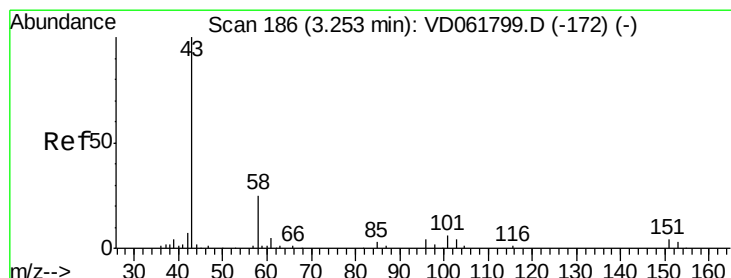
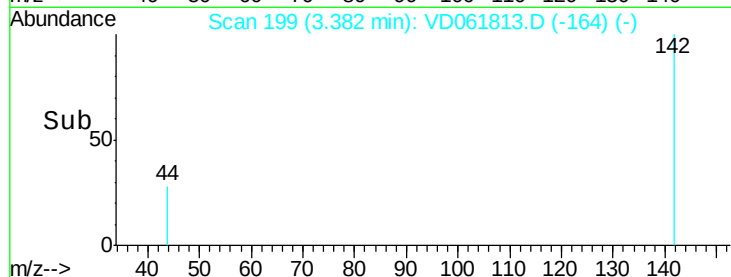
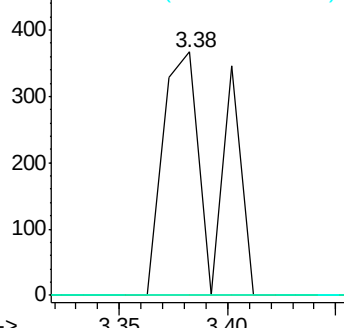
#10
Methvl Iodide
Concen: 11.569 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.04 min
Lab File: VD061813.D
Acq: 16 Apr 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
TP-5-S2

Tot Ion:142 Resp: 615
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

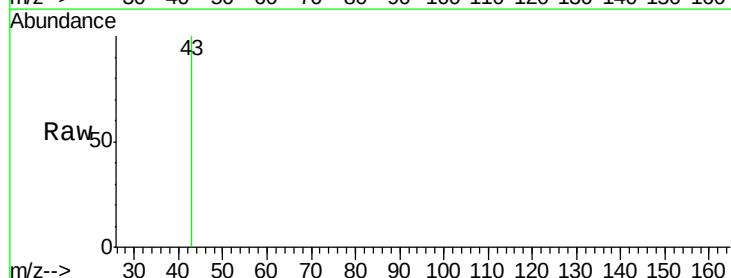


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

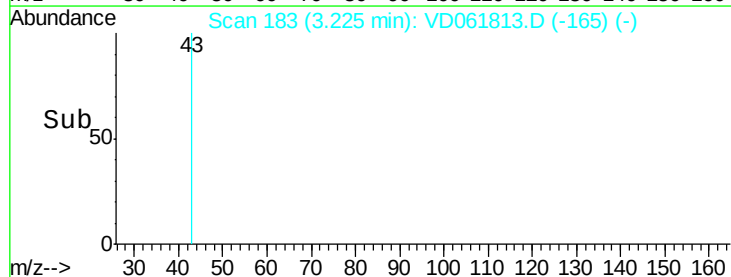
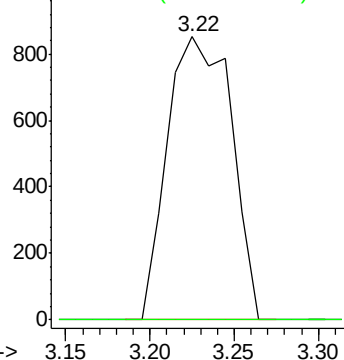


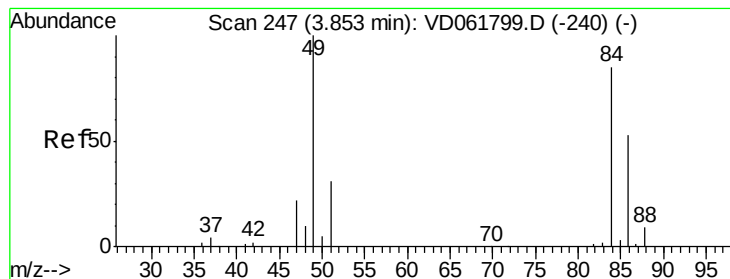
#16
Acetone
Concen: 272.388 ug/l
RT: 3.22 min Scan# 183
Delta R.T. -0.03 min
Lab File: VD061813.D
Acq: 16 Apr 2019 16:07

Tgt Ion: 43 Resp: 2241
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#



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





#20

Methylene Chloride

Concen: 41.311 ug/l

RT: 3.84 min Scan# 245

Delta R.T. -0.02 min

Lab File: VD061813.D

Acq: 16 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampled :

TP-5-S2

Tot Ion: 84 Resp: 1722

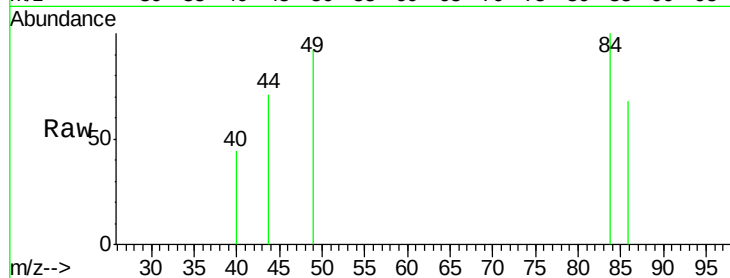
Ion Ratio Lower Upper

84 100

49 92.1 94.0 141.0#

51 0.0 29.0 43.4#

86 67.6 49.8 74.6

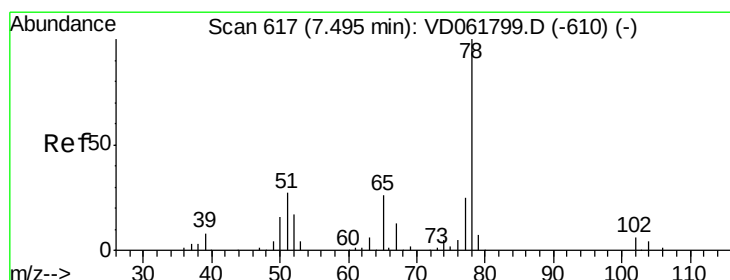
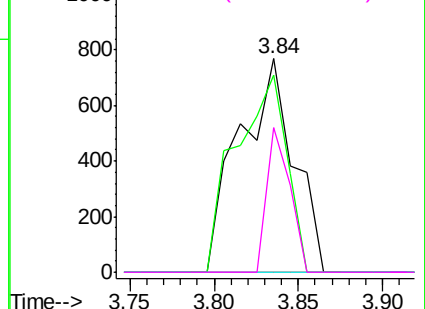
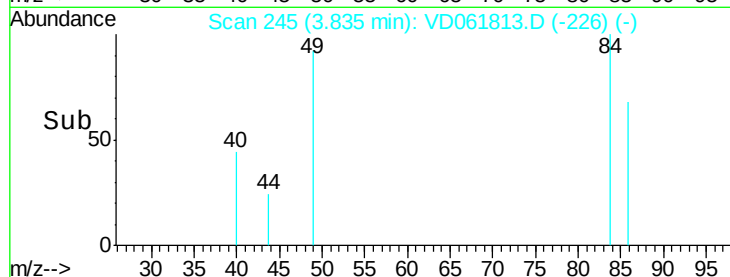


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.04 min

Lab File: VD061813.D

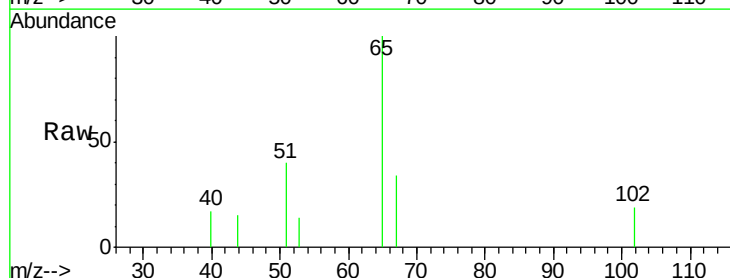
Acq: 16 Apr 2019 16:07

Tgt Ion: 65 Resp: 6358

Ion Ratio Lower Upper

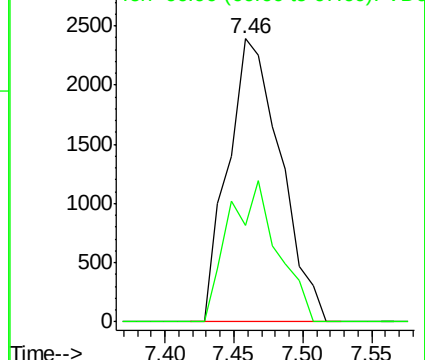
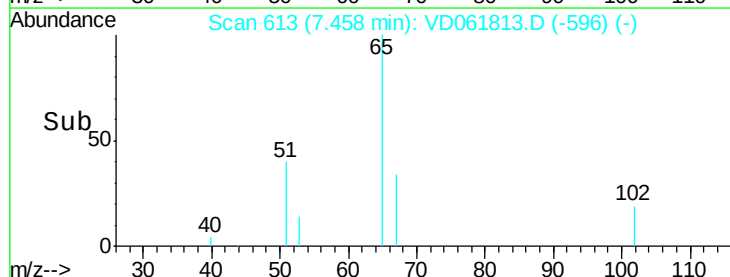
65 100

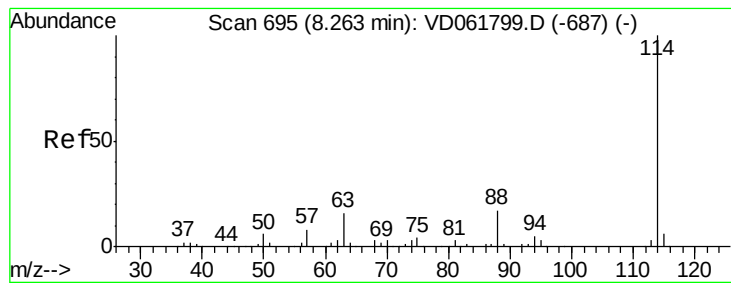
67 33.9 0.0 98.0



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: 8.23 min Scan# 691

Delta R.T. -0.04 min

Lab File: VD061813.D

Acq: 16 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

TP-5-S2

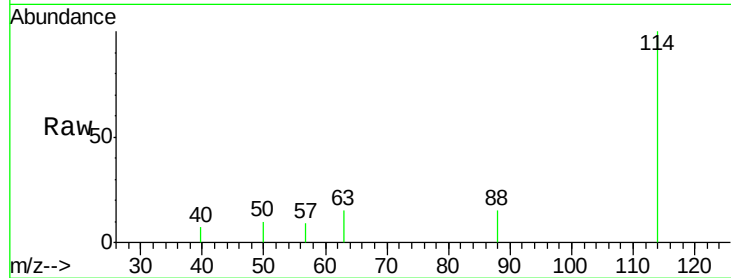
Tot Ion:114 Resp: 12394

Ion Ratio Lower Upper

114 100

63 14.7 0.0 32.4

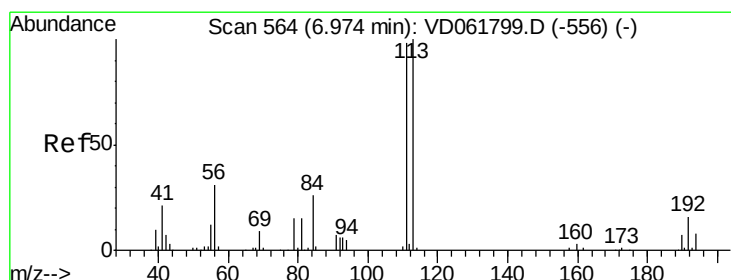
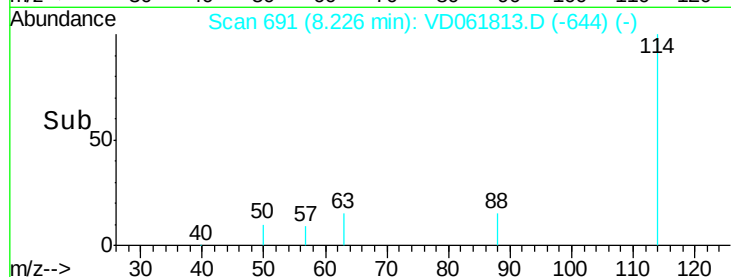
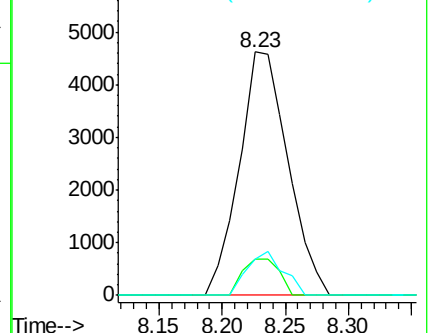
88 15.1 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.04 min

Lab File: VD061813.D

Acq: 16 Apr 2019 16:07

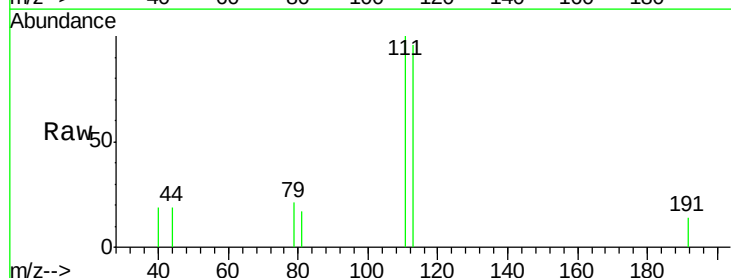
Tgt Ion:113 Resp: 6450

Ion Ratio Lower Upper

113 100

111 104.2 78.5 117.7

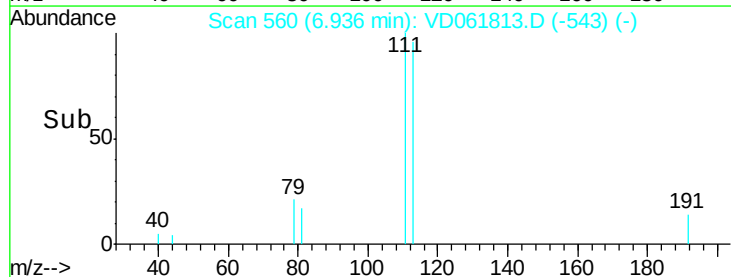
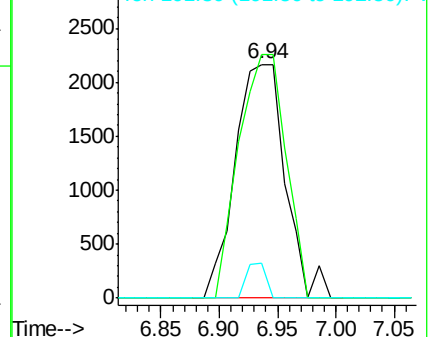
192 15.1 13.0 19.4

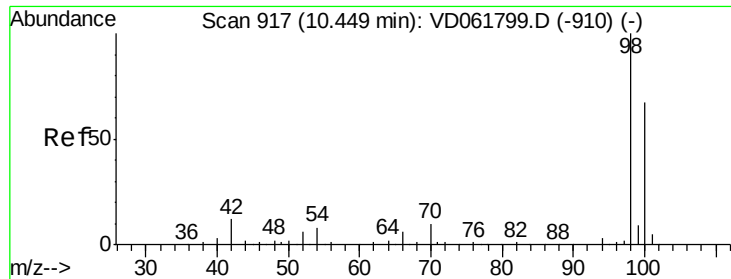


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

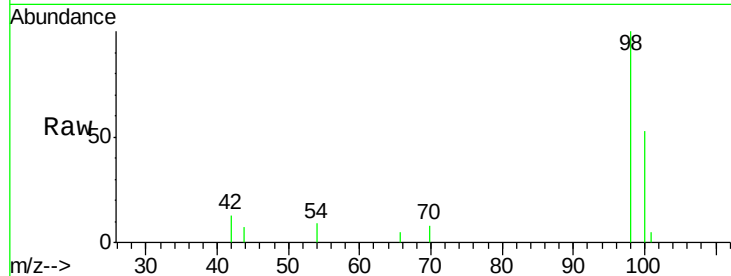




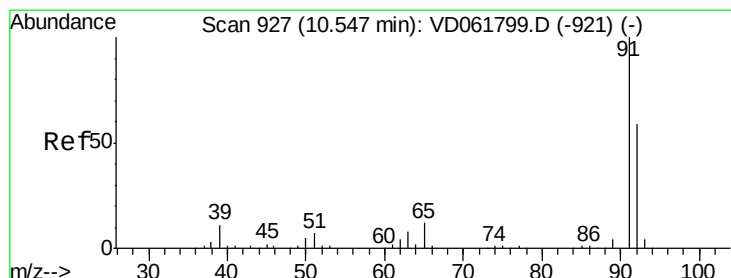
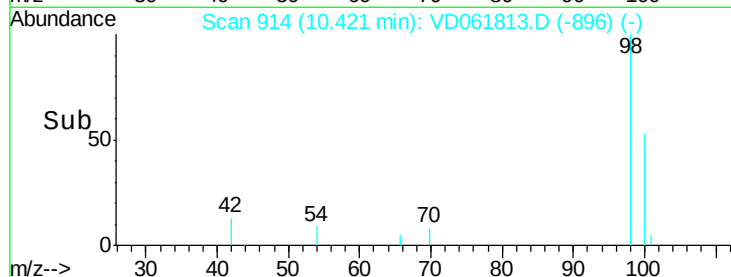
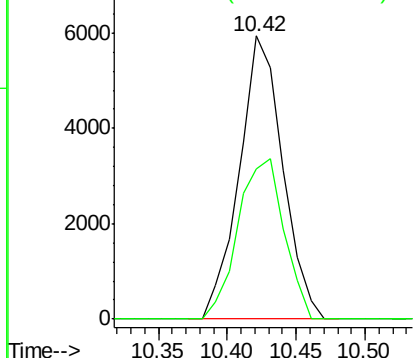
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.03 min
Lab File: VD061813.D
Acq: 16 Apr 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
TP-5-S2

Tot Ion: 98 Resp: 13024
Ion Ratio Lower Upper
98 100
100 52.9 53.8 80.8#

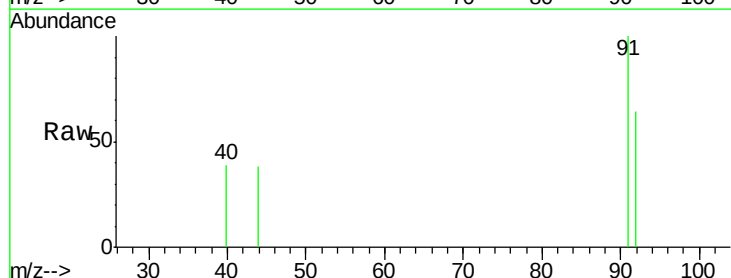


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

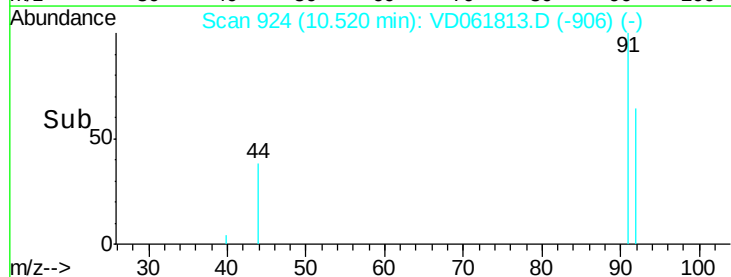
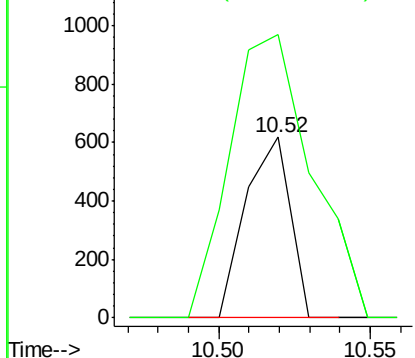


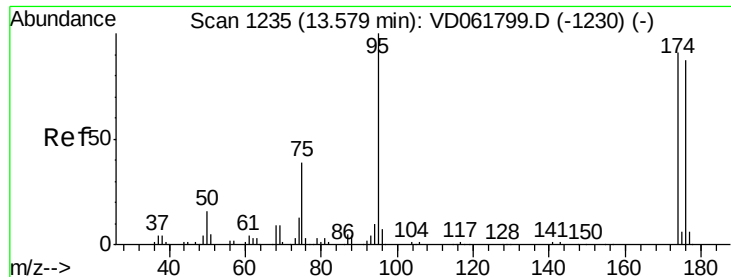
#52
Toluene
Concen: 4.050 ug/l
RT: 10.52 min Scan# 924
Delta R.T. -0.03 min
Lab File: VD061813.D
Acq: 16 Apr 2019 16:07

Tgt Ion: 92 Resp: 631
Ion Ratio Lower Upper
92 100
91 156.4 136.6 204.8



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: 13.56 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD061813.D

Acq: 16 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

TP-5-S2

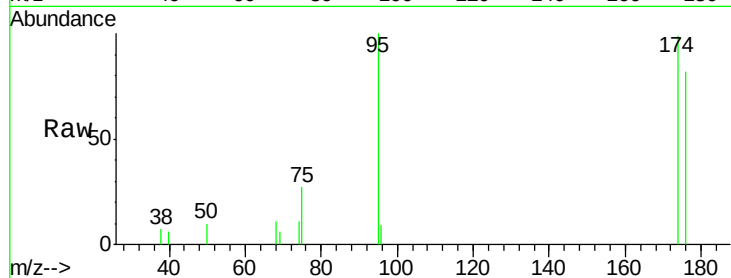
Tot Ion: 95 Resp: 6638

Ion Ratio Lower Upper

95 100

174 99.2 0.0 181.8

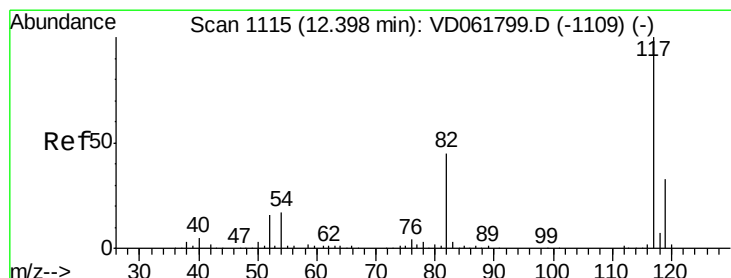
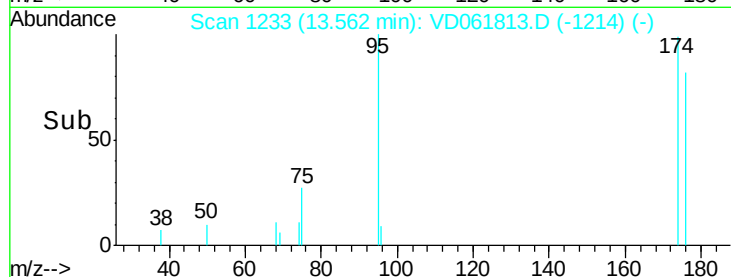
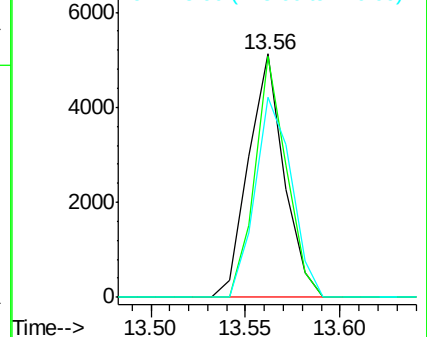
176 82.0 0.0 174.4



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: 12.37 min Scan# 1112

Delta R.T. -0.03 min

Lab File: VD061813.D

Acq: 16 Apr 2019 16:07

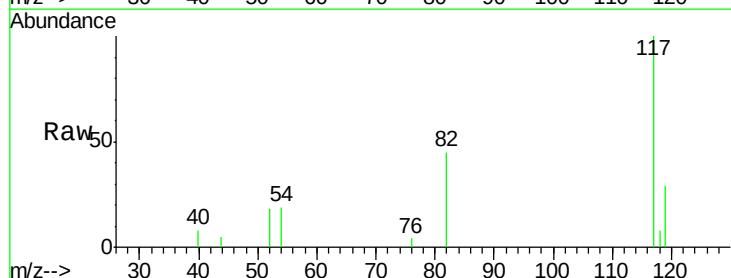
Tgt Ion: 117 Resp: 13918

Ion Ratio Lower Upper

117 100

82 44.6 36.2 54.2

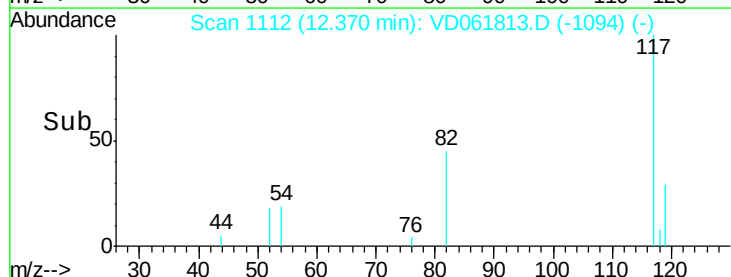
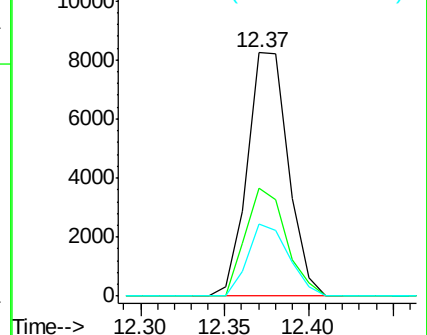
119 29.4 26.2 39.4

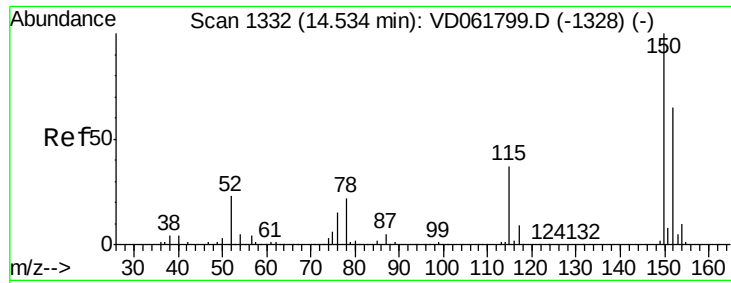


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

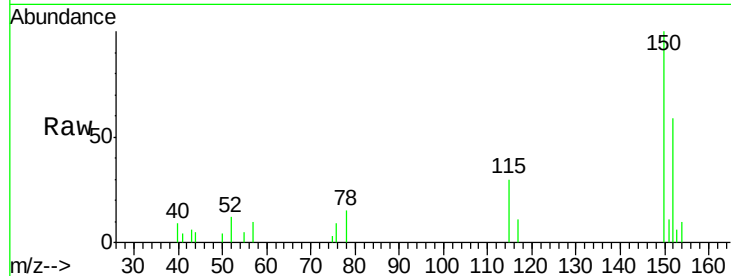




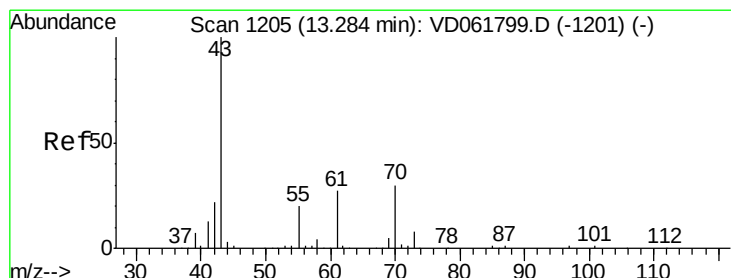
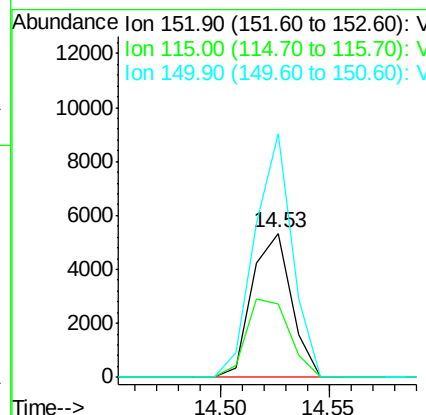
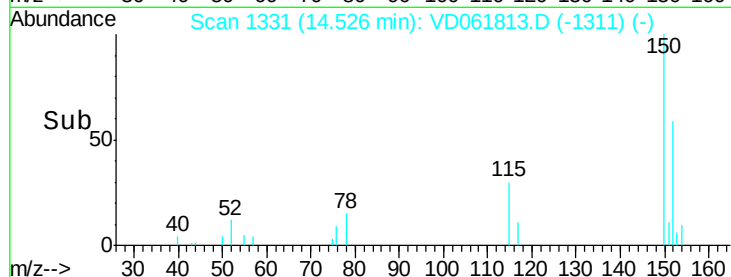
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061813.D
 Acq: 16 Apr 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5-S2

Tot Ion:152 Resp: 6814
 Ion Ratio Lower Upper
 152 100
 115 50.8 30.9 92.7
 150 168.6 0.0 314.8

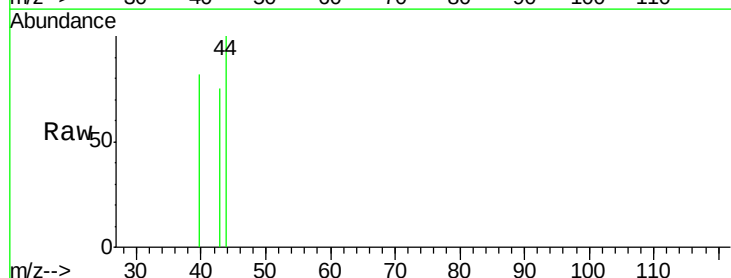


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

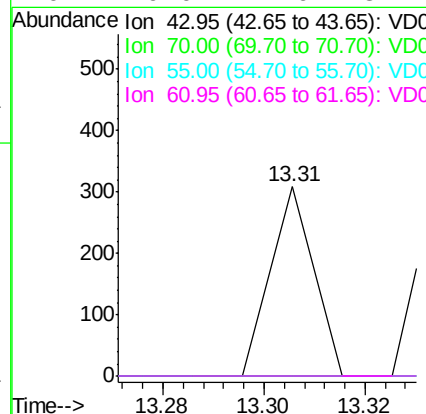
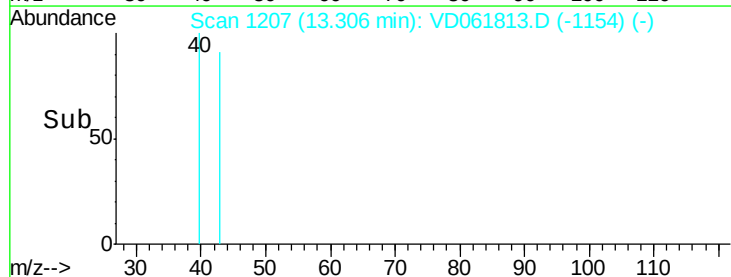


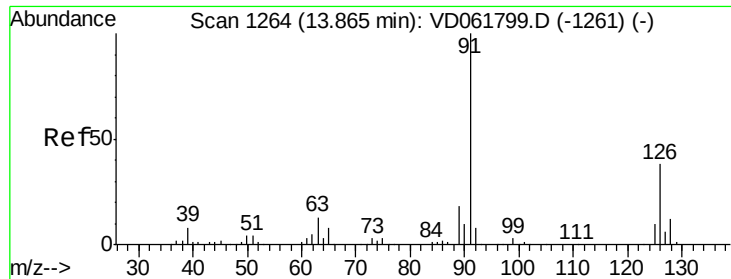
#74
 N-ethyl acetate
 Concen: 1.532 ug/l
 RT: 13.31 min Scan# 1207
 Delta R.T. 0.02 min
 Lab File: VD061813.D
 Acq: 16 Apr 2019 16:07

Tgt Ion: 43 Resp: 182
 Ion Ratio Lower Upper
 43 100
 70 0.0 24.2 36.4#
 55 0.0 16.0 24.0#
 61 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC
 Ion 55.00 (54.70 to 55.70): VDC
 Ion 60.95 (60.65 to 61.65): VDC

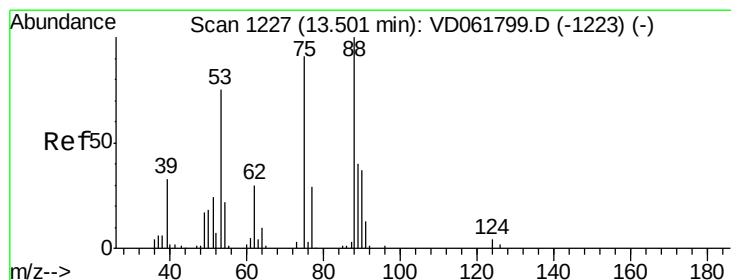
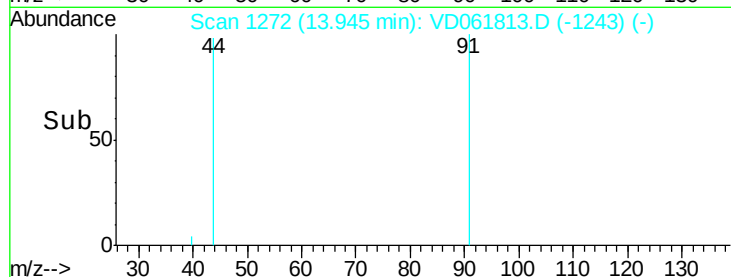
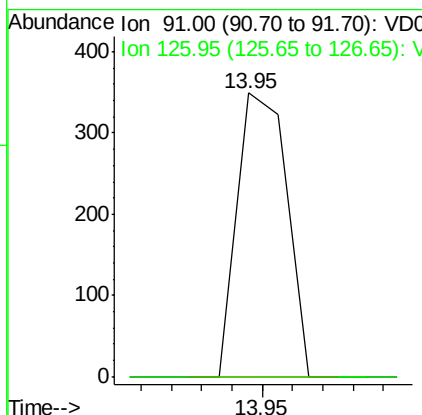
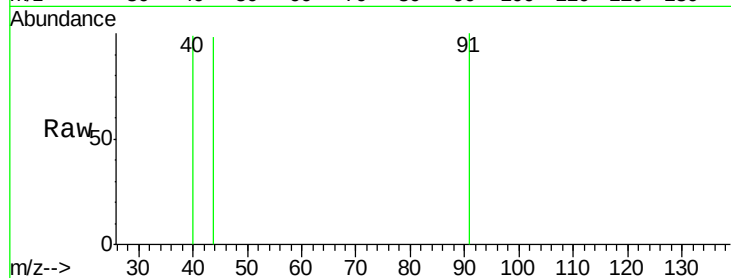




#79
 2-Chlorotoluene
 Concen: 1.331 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.08 min
 Lab File: VD061813.D
 Acq: 16 Apr 2019 16:07

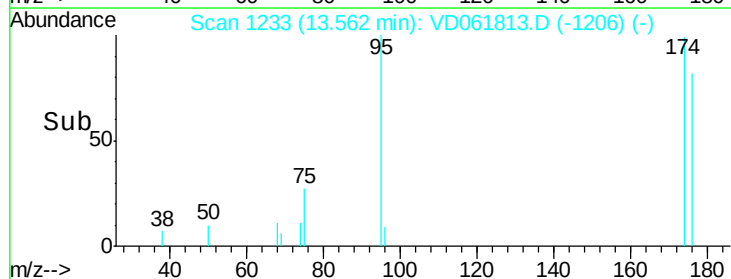
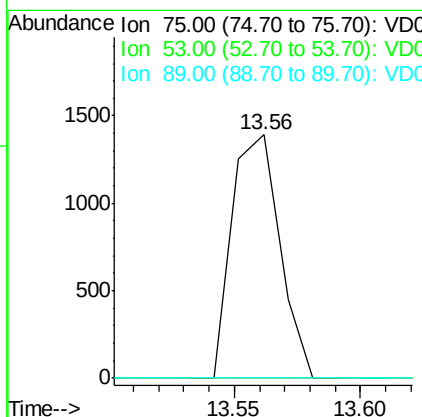
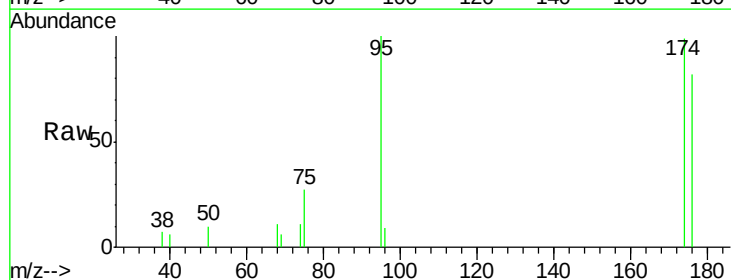
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5-S2

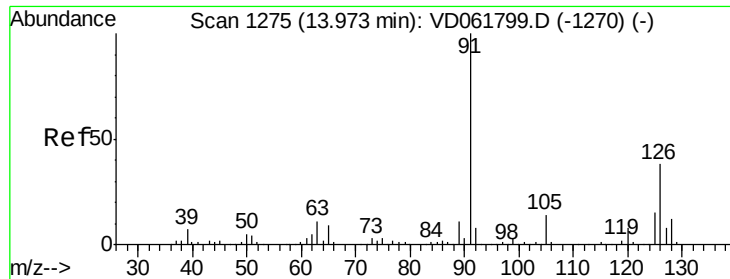
Tot Ion: 91 Resp: 397
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.6 55.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.095 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.06 min
 Lab File: VD061813.D
 Acq: 16 Apr 2019 16:07

Tgt Ion: 75 Resp: 1826
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#





#82

4-Chlorotoluene

Concen: 1.163 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.03 min

Lab File: VD061813.D

Acq: 16 Apr 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

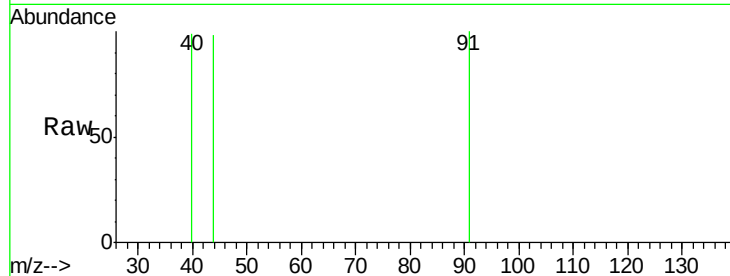
TP-5-S2

Tot Ion: 91 Resp: 397

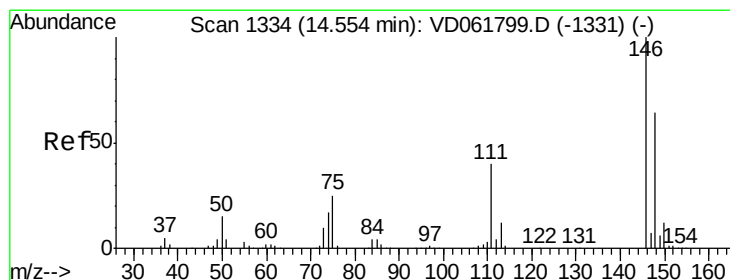
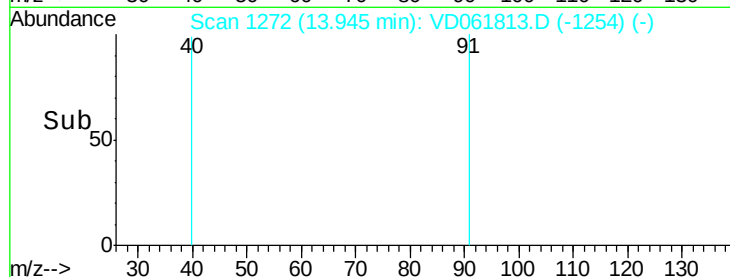
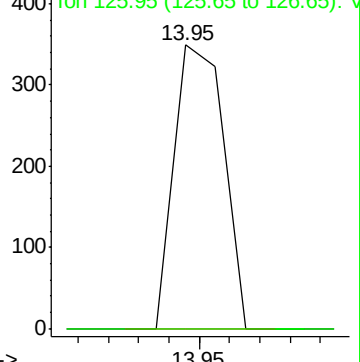
Ion Ratio Lower Upper

91 100

126 0.0 19.1 57.5#



Abundance Ion 91.00 (90.70 to 91.70): V



#88

1,4-Dichlorobenzene

Concen: 3.079 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.02 min

Lab File: VD061813.D

Acq: 16 Apr 2019 16:07

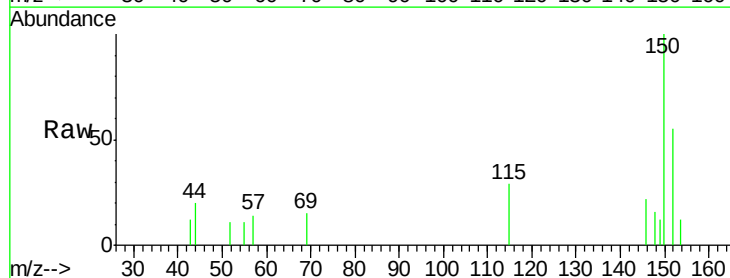
Tgt Ion: 146 Resp: 667

Ion Ratio Lower Upper

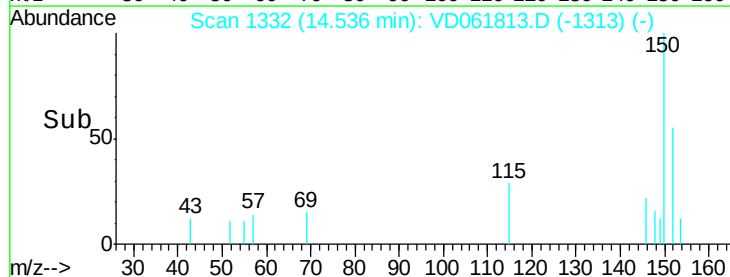
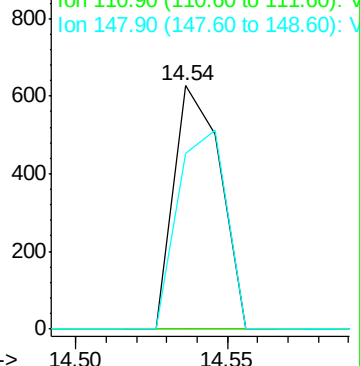
146 100

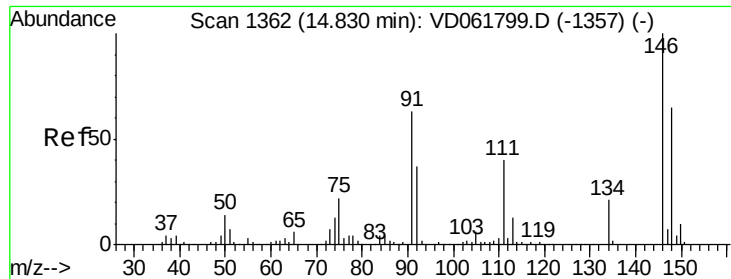
111 0.0 20.2 60.5#

148 72.1 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

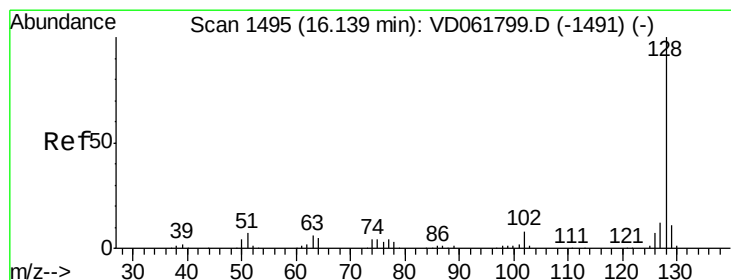
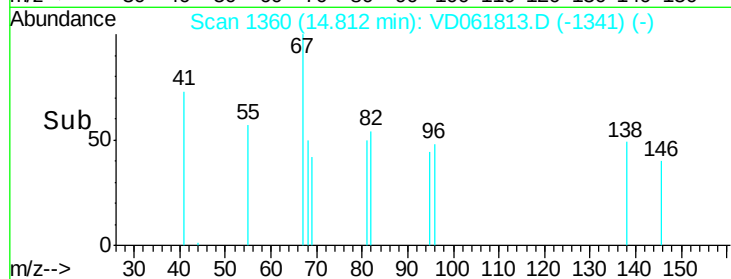
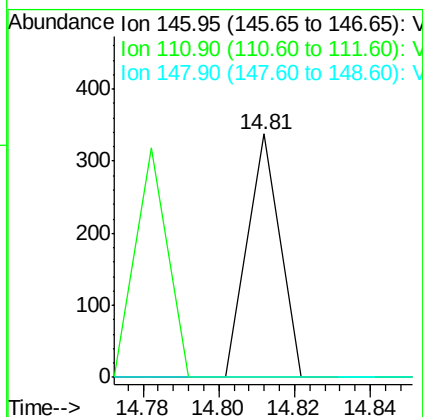
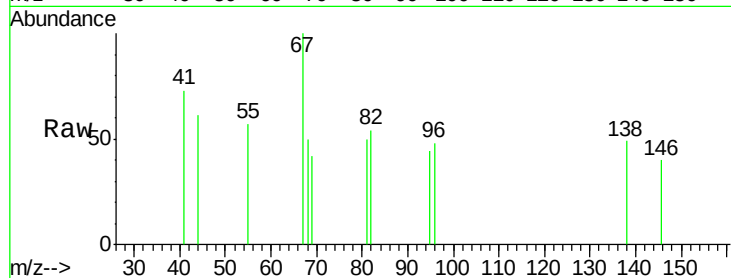




#91
 1,2-Dichlorobenzene
 Concen: 1.090 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VD061813.D
 Acq: 16 Apr 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5-S2

Tot Ion:146 Resp: 200
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.0 59.9#
 148 0.0 32.3 96.8#



#95
 Naphthalene
 Concen: 2.601 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. -0.01 min
 Lab File: VD061813.D
 Acq: 16 Apr 2019 16:07

Tgt Ion:128 Resp: 402
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.8 14.8#
 129 0.0 8.8 13.2#

