

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031119\
 Data File : VD061013.D
 Acq On : 11 Mar 2019 19:23
 Operator : VA/AP
 Sample : K1835-03RE
 Misc : 7.21g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3RE

Quant Time: Mar 12 05:44:22 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	7.07	168	680639	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1402350	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	1180877	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	525631	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	403476	71.22	ug/l	0.03
Spiked Amount			Recovery	=	142.44%	
35) Dibromofluoromethane	6.95	113	588825	56.58	ug/l	0.03
Spiked Amount			Recovery	=	113.16%	
50) Toluene-d8	10.43	98	1354111	51.81	ug/l	0.03
Spiked Amount			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	13.57	95	529543	52.22	ug/l	0.02
Spiked Amount			Recovery	=	104.44%	

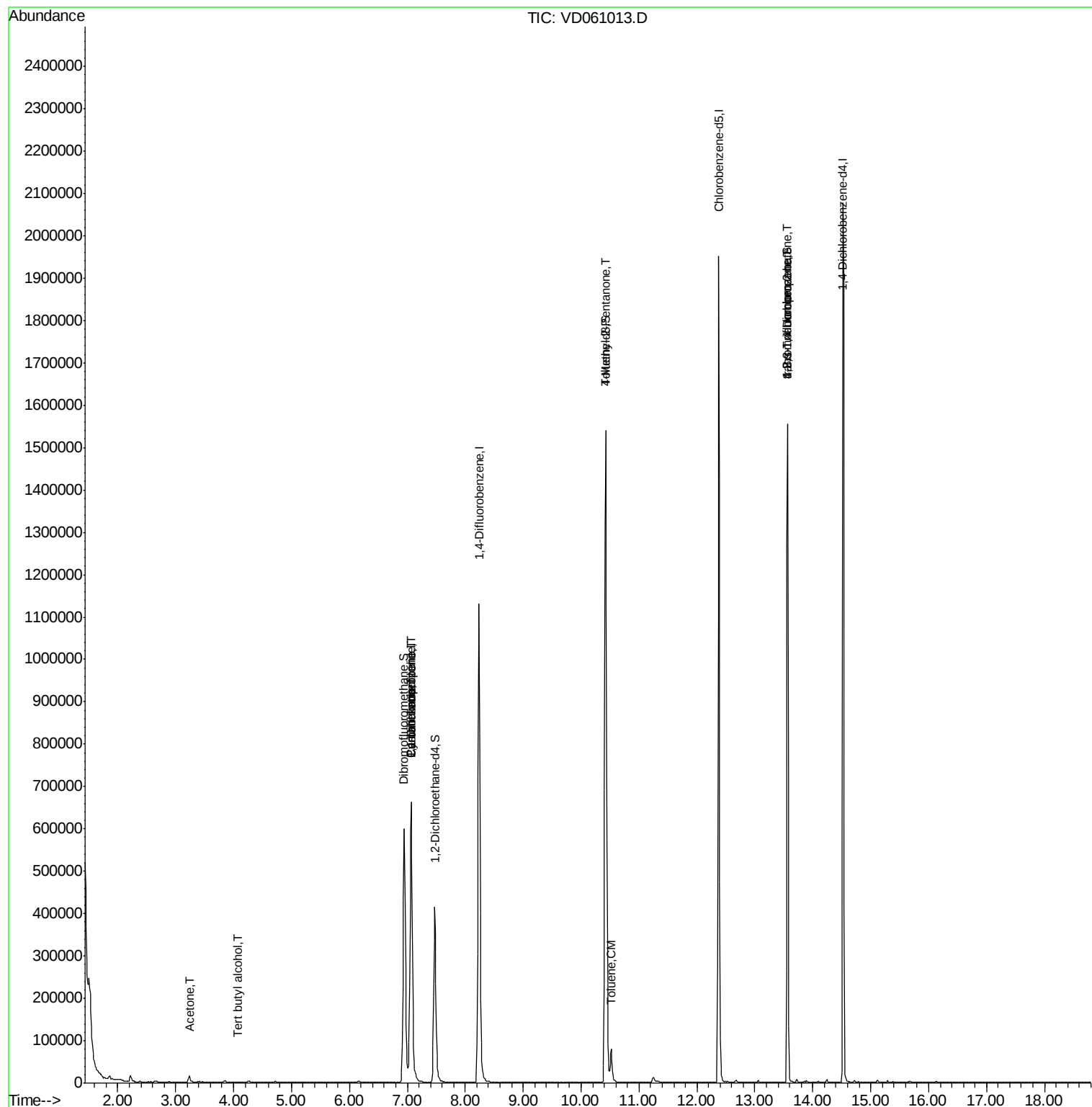
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	3977	11.026	ug/l #	75
16) Acetone	3.24	43	29854	18.427	ug/l	93
20) Methylene Chloride	3.84	84	2778	Below Cal		93
31) Cyclohexane	7.06	56	11849	1.182	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	51120	4.229	ug/l #	46
38) Carbon Tetrachloride	7.07	117	66907	5.025	ug/l #	15
51) 4-Methyl-2-Pentanone	10.43	43	6012	1.249	ug/l #	1
52) Toluene	10.52	92	41907	2.231	ug/l	99
76) 1,2,3-Trichloropropane	13.57	75	178560	23.612	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.57	75	196390	88.088	ug/l #	17

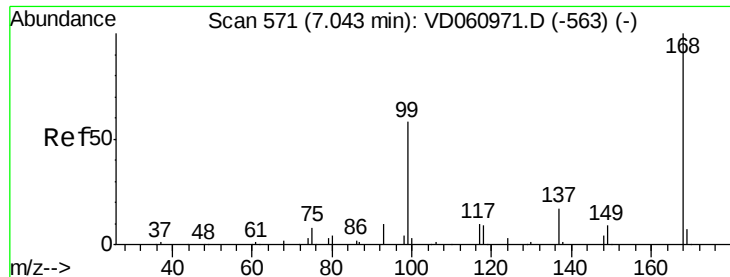
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031119\
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TP-3RE

Quant Time: Mar 12 05:44:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD061013.D

Acq: 11 Mar 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

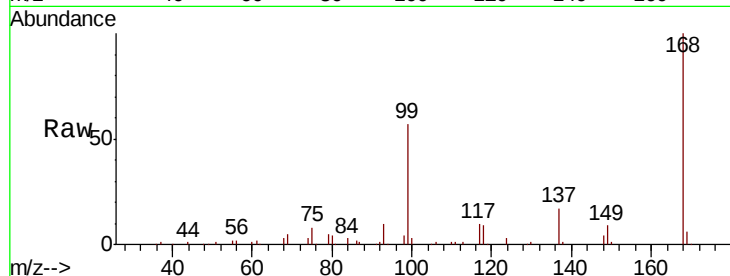
TP-3RE

Tot Ion:168 Resp: 680639

Ion Ratio Lower Upper

168 100

99 57.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

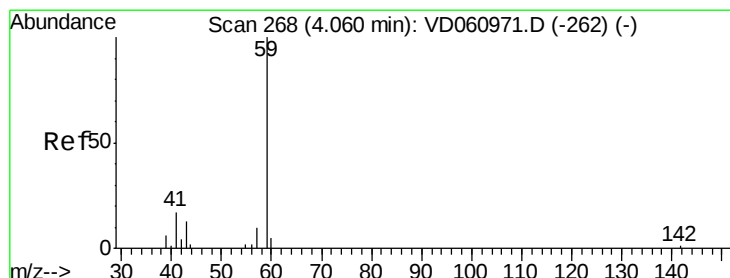
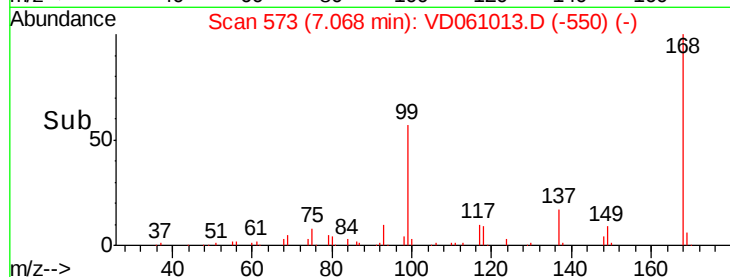
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 11.026 ug/l

RT: 4.07 min Scan# 268

Delta R.T. 0.01 min

Lab File: VD061013.D

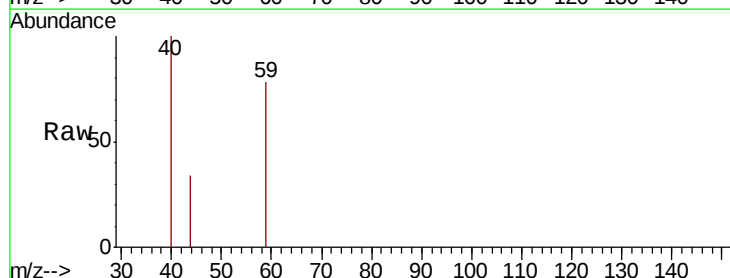
Acq: 11 Mar 2019 19:23

Tgt Ion: 59 Resp: 3977

Ion Ratio Lower Upper

59 100

57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.07

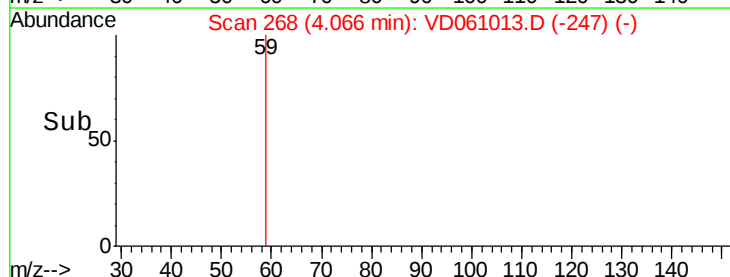
1500

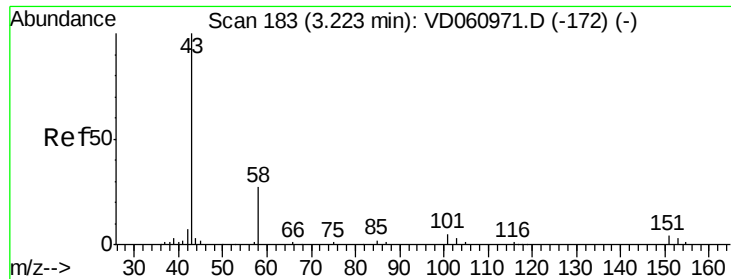
1000

500

0

Time--> 3.95 4.00 4.05 4.10 4.15





#16

Acetone

Concen: 18.427 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD061013.D

Acq: 11 Mar 2019 19:23

Instrument :

MSVOA_D

ClientSampled :

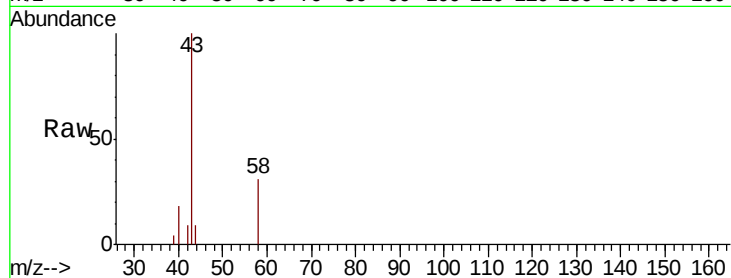
TP-3RE

Tot Ion: 43 Resp: 29854

Ion Ratio Lower Upper

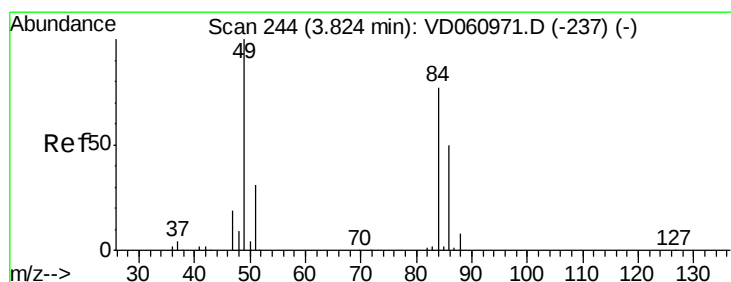
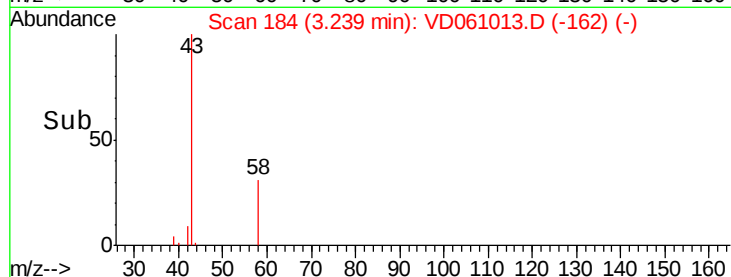
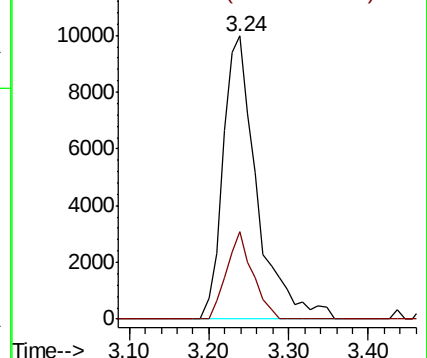
43 100

58 30.8 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.84 min Scan# 245

Delta R.T. 0.02 min

Lab File: VD061013.D

Acq: 11 Mar 2019 19:23

Tgt Ion: 84 Resp: 2778

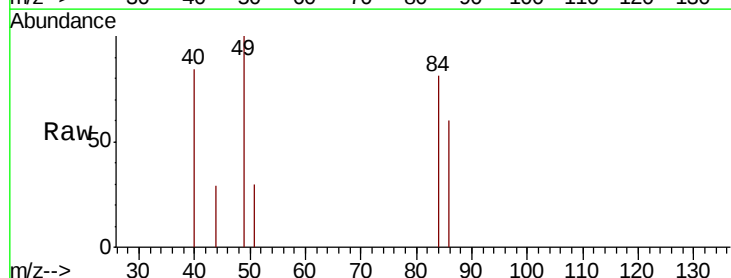
Ion Ratio Lower Upper

84 100

49 123.2 104.2 156.2

51 37.2 32.3 48.5

86 73.9 52.3 78.5

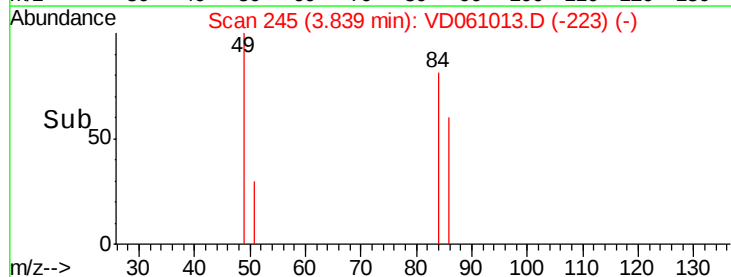
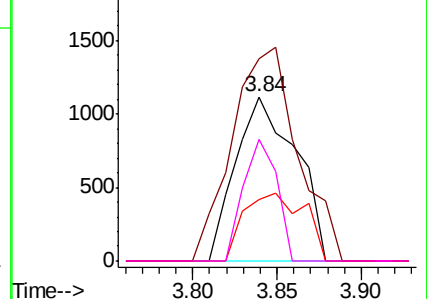


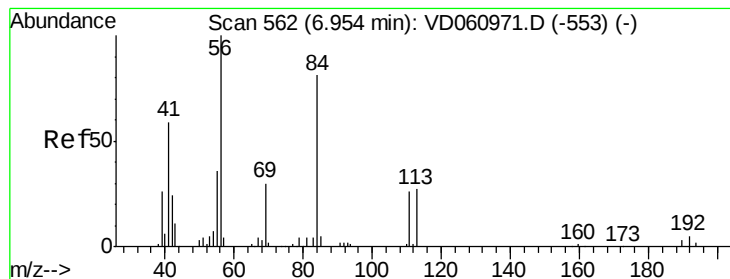
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cvclohexane

Concen: 1.182 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.10 min

Lab File: VD061013.D

Acq: 11 Mar 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

TP-3RE

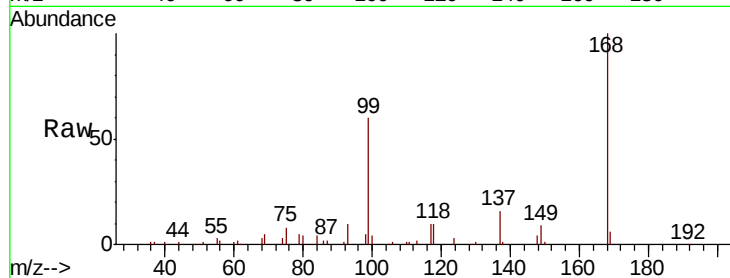
Tot Ion: 56 Resp: 11849

Ion Ratio Lower Upper

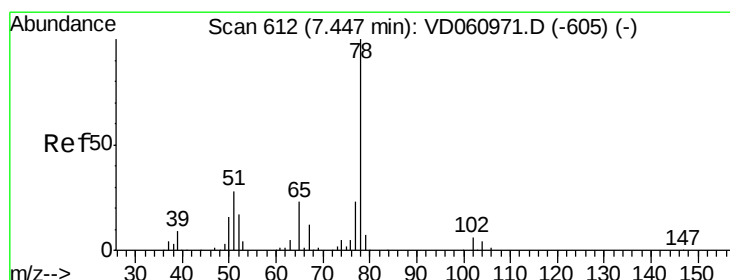
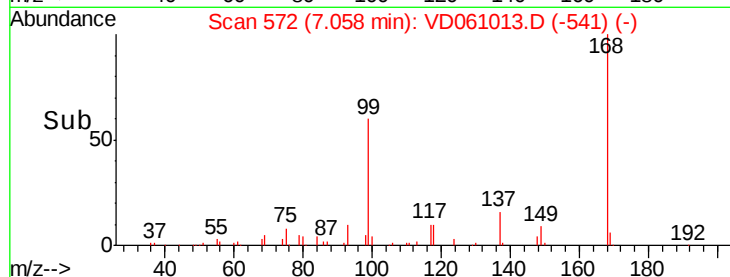
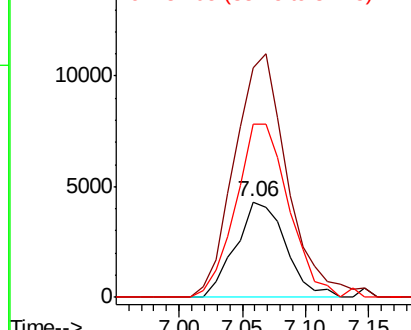
56 100

69 240.4 24.0 36.0#

84 182.4 65.8 98.6#



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: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061013.D

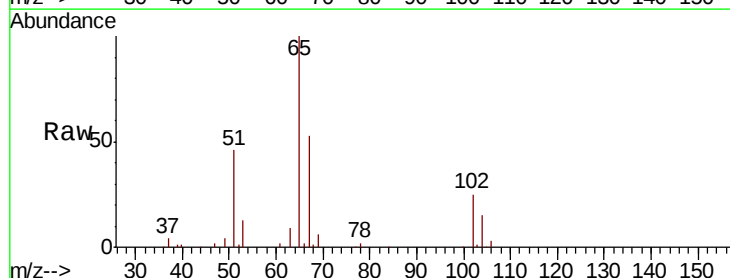
Acq: 11 Mar 2019 19:23

Tgt Ion: 65 Resp: 403476

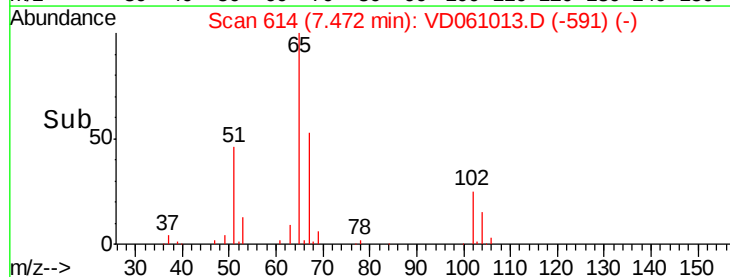
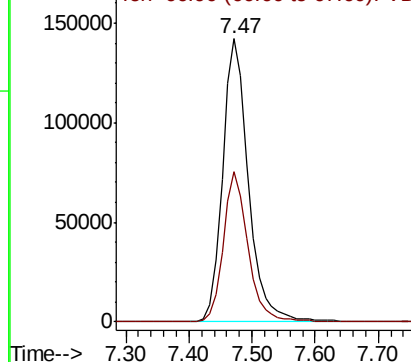
Ion Ratio Lower Upper

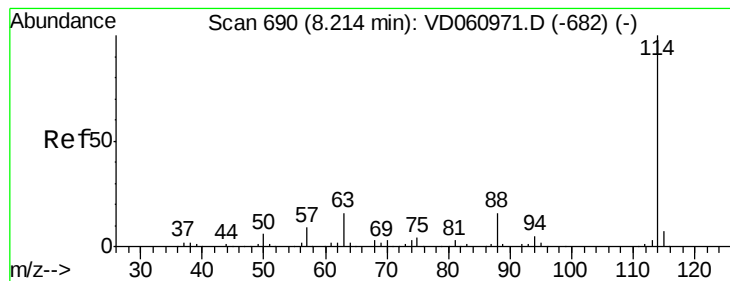
65 100

67 53.0 0.0 105.2



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: 8.24 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD061013.D

Acq: 11 Mar 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

TP-3RE

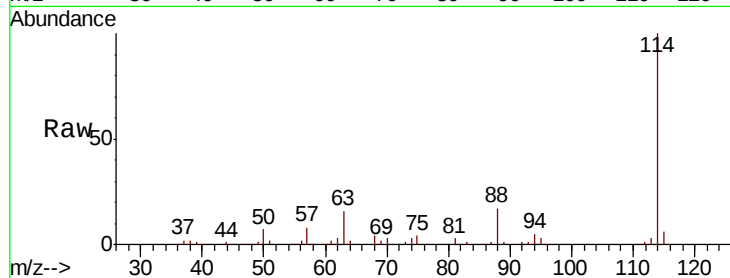
Tot Ion:114 Resp: 1402350

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.4

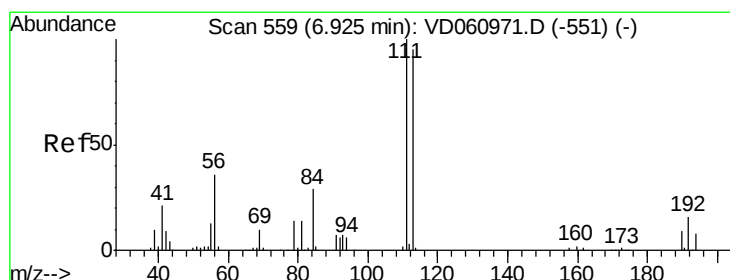
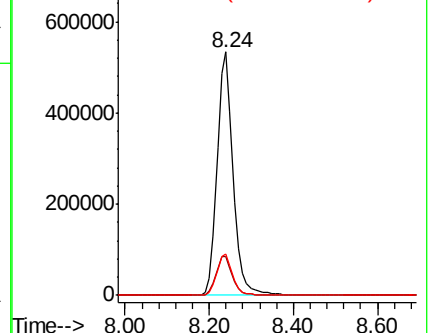
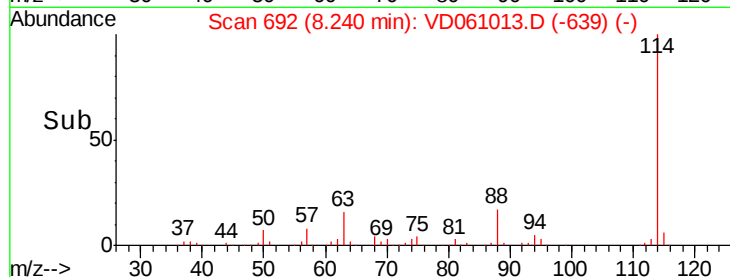
88 17.2 0.0 33.0



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: 6.95 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD061013.D

Acq: 11 Mar 2019 19:23

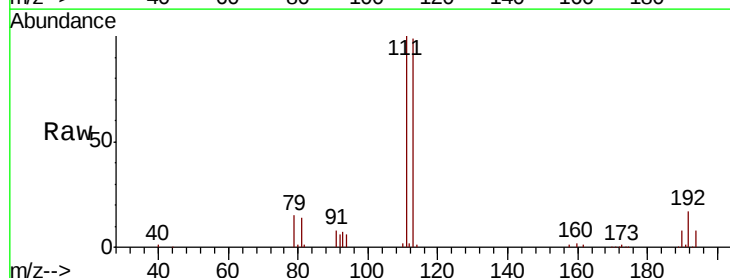
Tgt Ion:113 Resp: 588825

Ion Ratio Lower Upper

113 100

111 101.0 84.2 126.4

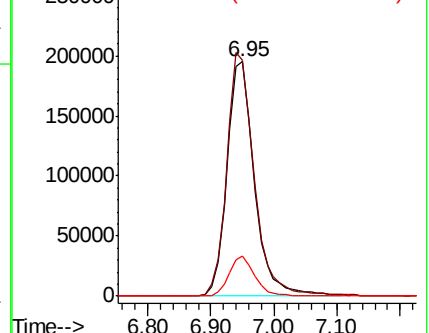
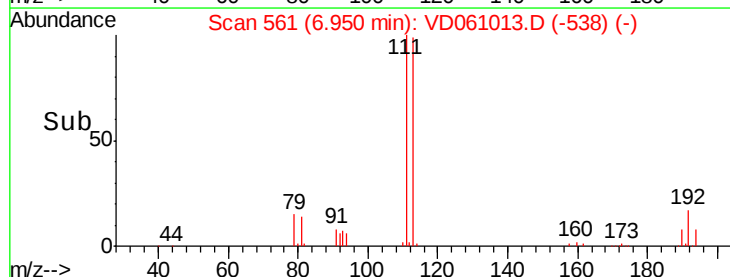
192 17.3 13.1 19.7

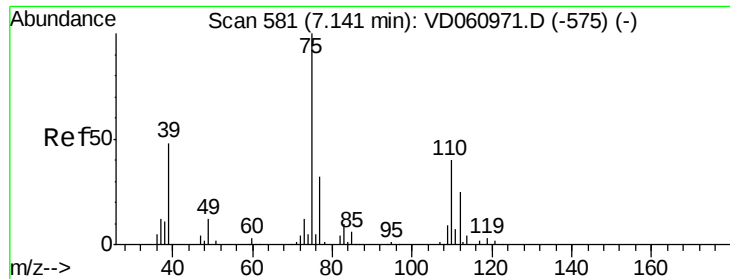


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

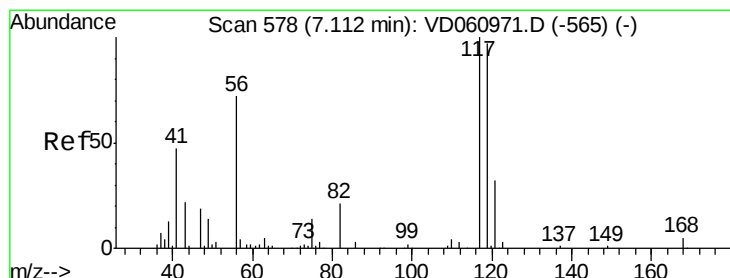
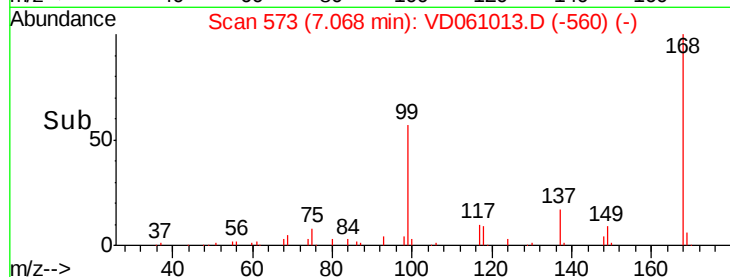
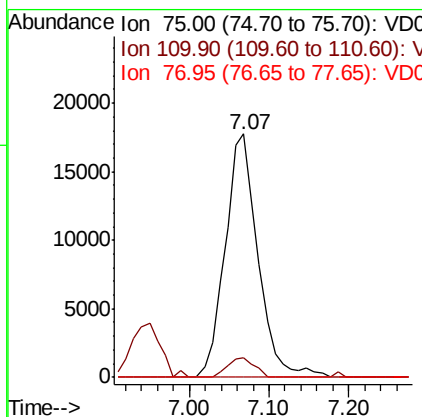
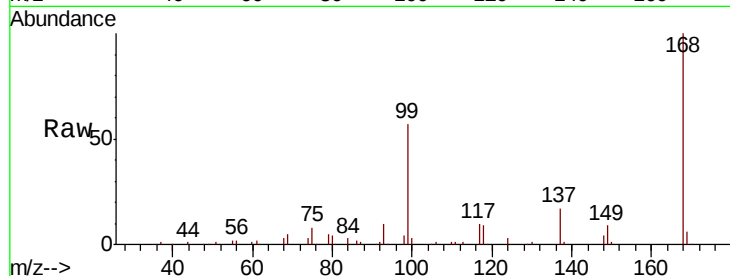




#36
 1,1-Dichloropropene
 Concen: 4.229 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.07 min
 Lab File: VD061013.D
 Acq: 11 Mar 2019 19:23

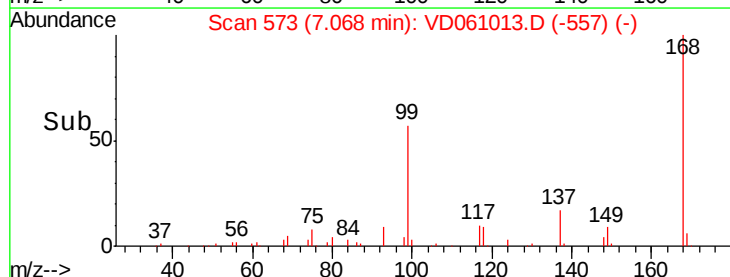
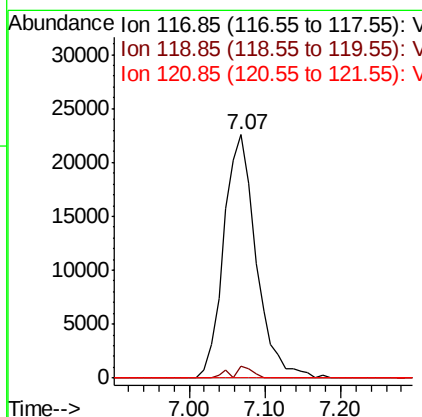
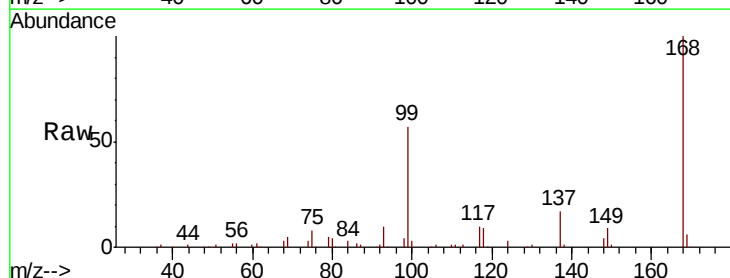
Instrument :
 MSVOA_D
 ClientSampleID :
 TP-3RE

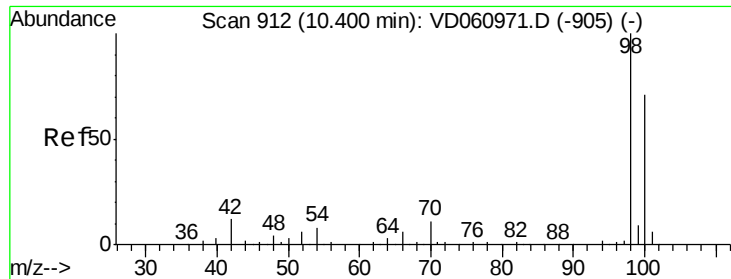
Tot Ion: 75 Resp: 51120
 Ion Ratio Lower Upper
 75 100
 110 7.8 19.7 59.1#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.025 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.04 min
 Lab File: VD061013.D
 Acq: 11 Mar 2019 19:23

Tgt Ion: 117 Resp: 66907
 Ion Ratio Lower Upper
 117 100
 119 4.9 77.8 116.8#
 121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.43 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD061013.D

Acq: 11 Mar 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

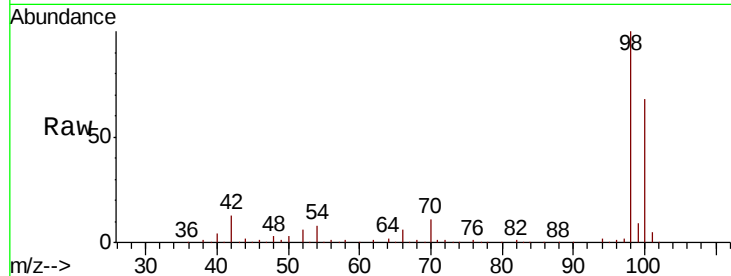
TP-3RE

Tot Ion: 98 Resp: 1354111

Ion Ratio Lower Upper

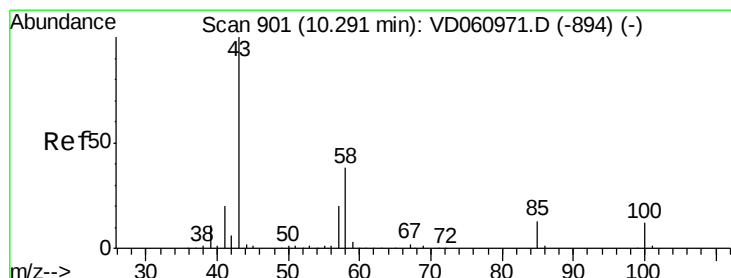
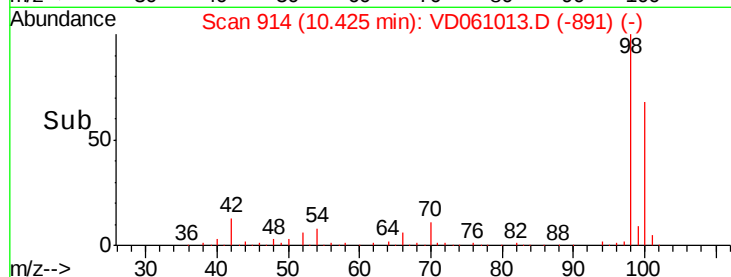
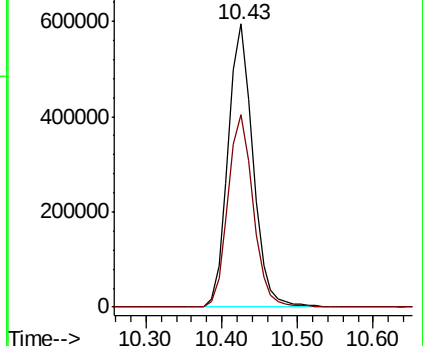
98 100

100 68.1 57.4 86.2



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: 1.249 ug/l

RT: 10.43 min Scan# 914

Delta R.T. 0.13 min

Lab File: VD061013.D

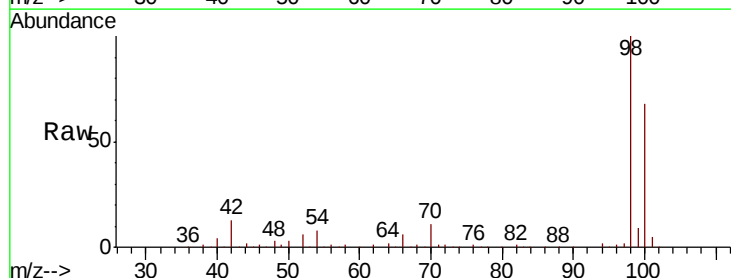
Acq: 11 Mar 2019 19:23

Tgt Ion: 43 Resp: 6012

Ion Ratio Lower Upper

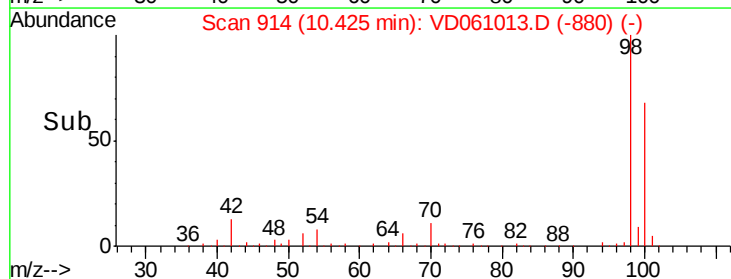
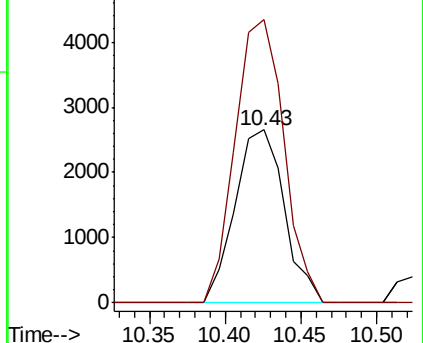
43 100

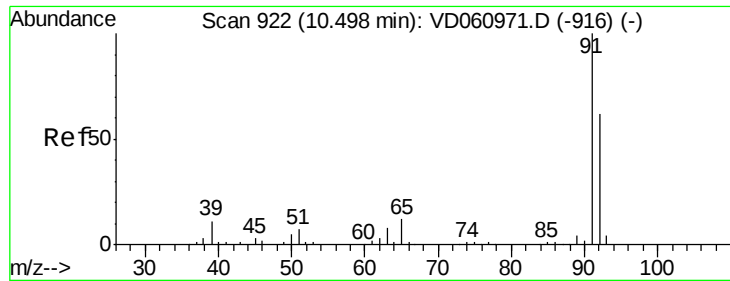
58 163.4 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 2.231 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061013.D

Acq: 11 Mar 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

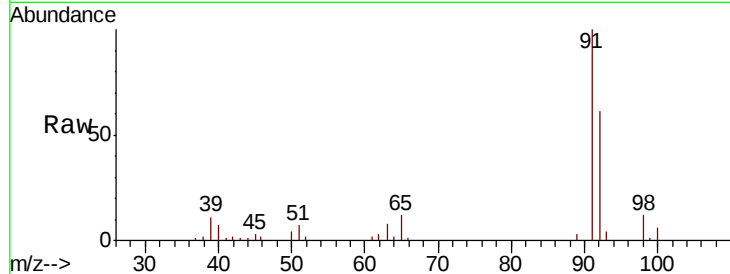
TP-3RE

Tot Ion: 92 Resp: 41907

Ion Ratio Lower Upper

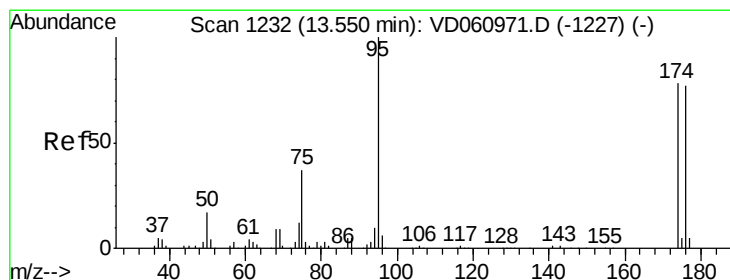
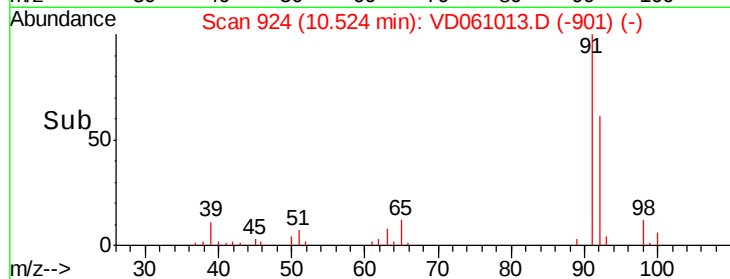
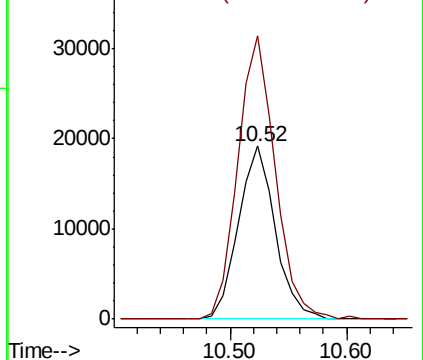
92 100

91 163.6 129.8 194.8



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: 13.57 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD061013.D

Acq: 11 Mar 2019 19:23

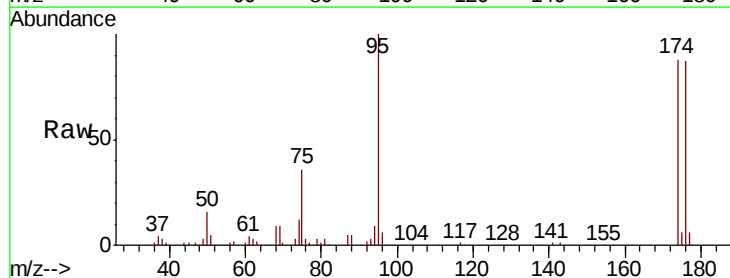
Tgt Ion: 95 Resp: 529543

Ion Ratio Lower Upper

95 100

174 87.7 0.0 155.6

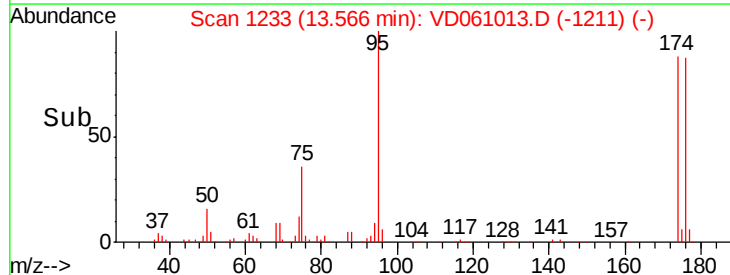
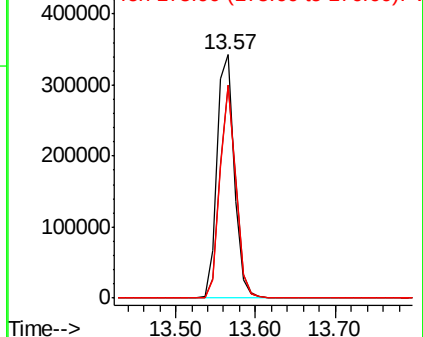
176 87.3 0.0 153.8

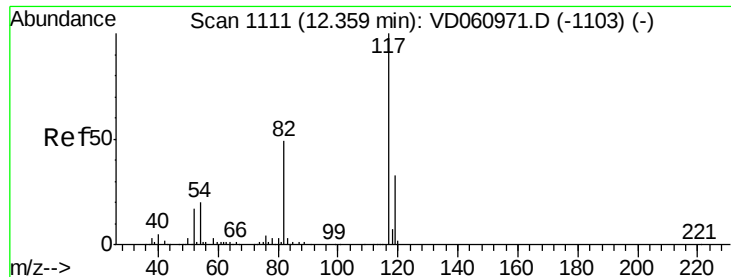


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

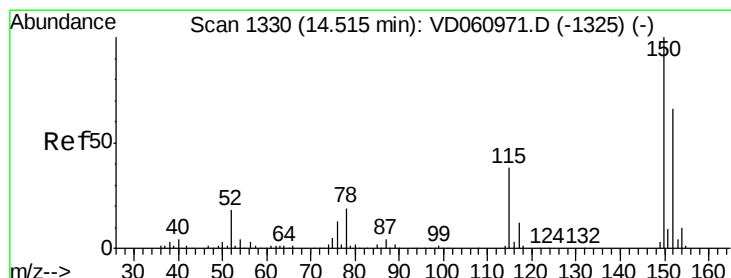
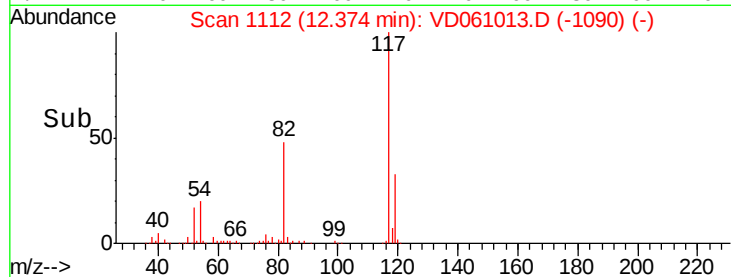
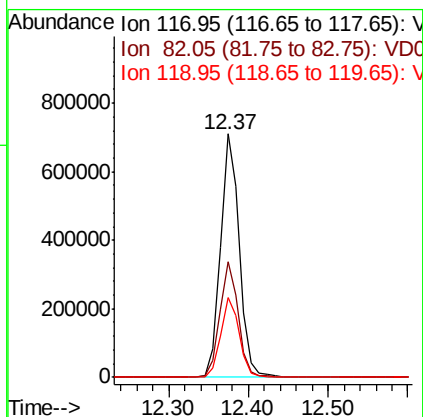
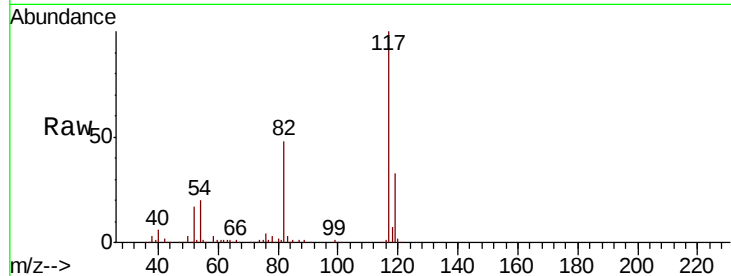




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061013.D
Acq: 11 Mar 2019 19:23

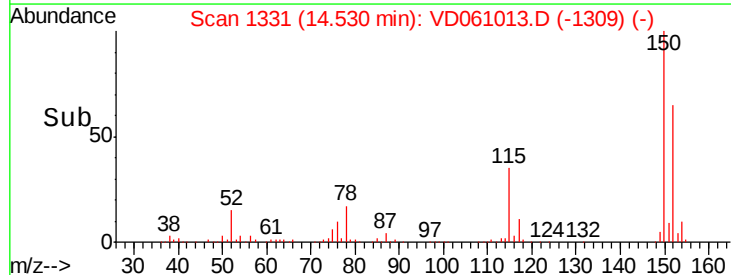
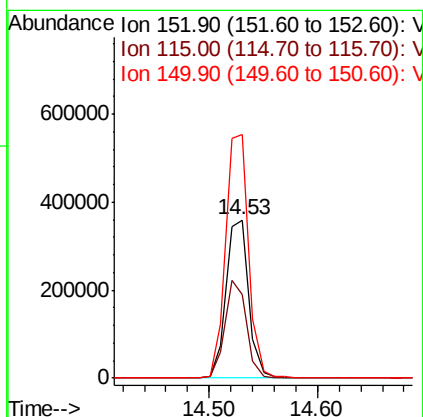
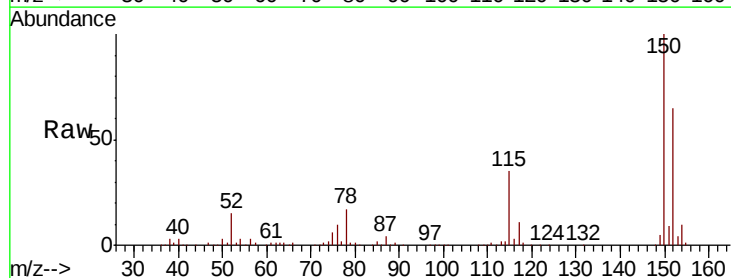
Instrument :
MSVOA_D
ClientSampleId :
TP-3RE

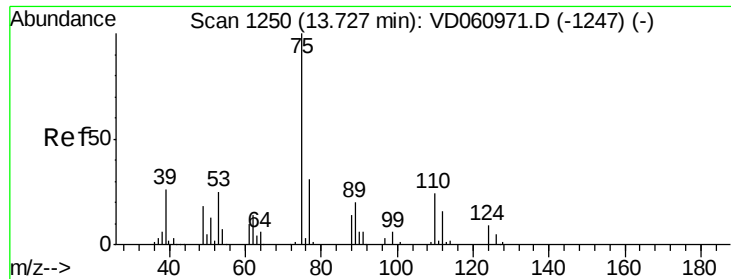
Tot Ion:117 Resp: 1180877
Ion Ratio Lower Upper
117 100
82 47.6 38.9 58.3
119 32.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD061013.D
Acq: 11 Mar 2019 19:23

Tgt Ion:152 Resp: 525631
Ion Ratio Lower Upper
152 100
115 53.3 28.6 85.9
150 154.2 0.0 310.6





#76

1,2,3-Trichloropropane

Concen: 23.612 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061013.D

Acq: 11 Mar 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

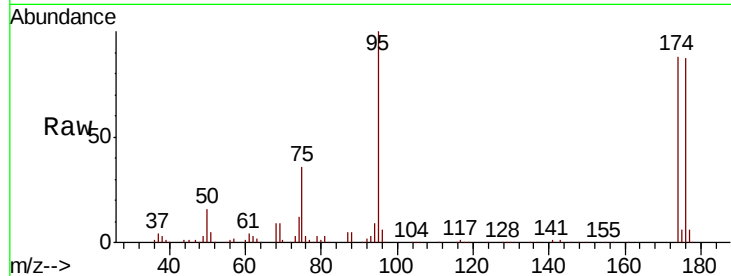
TP-3RE

Tot Ion: 75 Resp: 178560

Ion Ratio Lower Upper

75 100

77 1.7 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.57

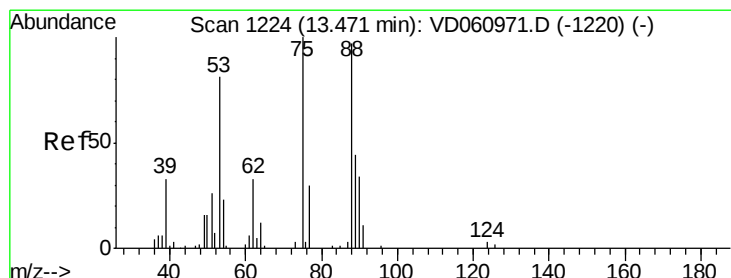
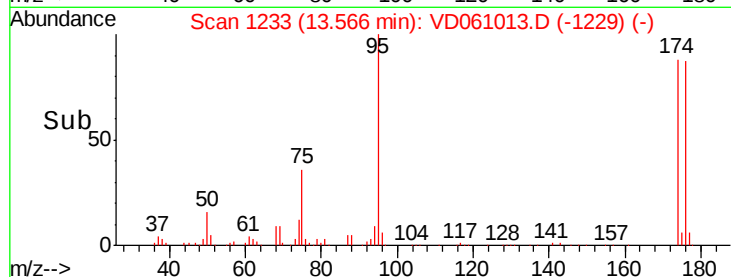
100000

50000

0

13.55 13.60 13.65

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 88.088 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061013.D

Acq: 11 Mar 2019 19:23

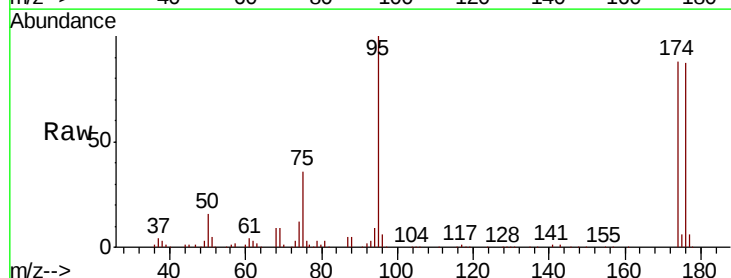
Tgt Ion: 75 Resp: 196390

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

13.57

150000

100000

50000

0

13.50 13.55 13.60 13.65

Time-->

