

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061540.D
 Acq On : 3 Apr 2019 5:57
 Operator : VA/AP
 Sample : K2179-06RE
 Misc : 4.83g/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4D2RE

Quant Time: Apr 03 06:43:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

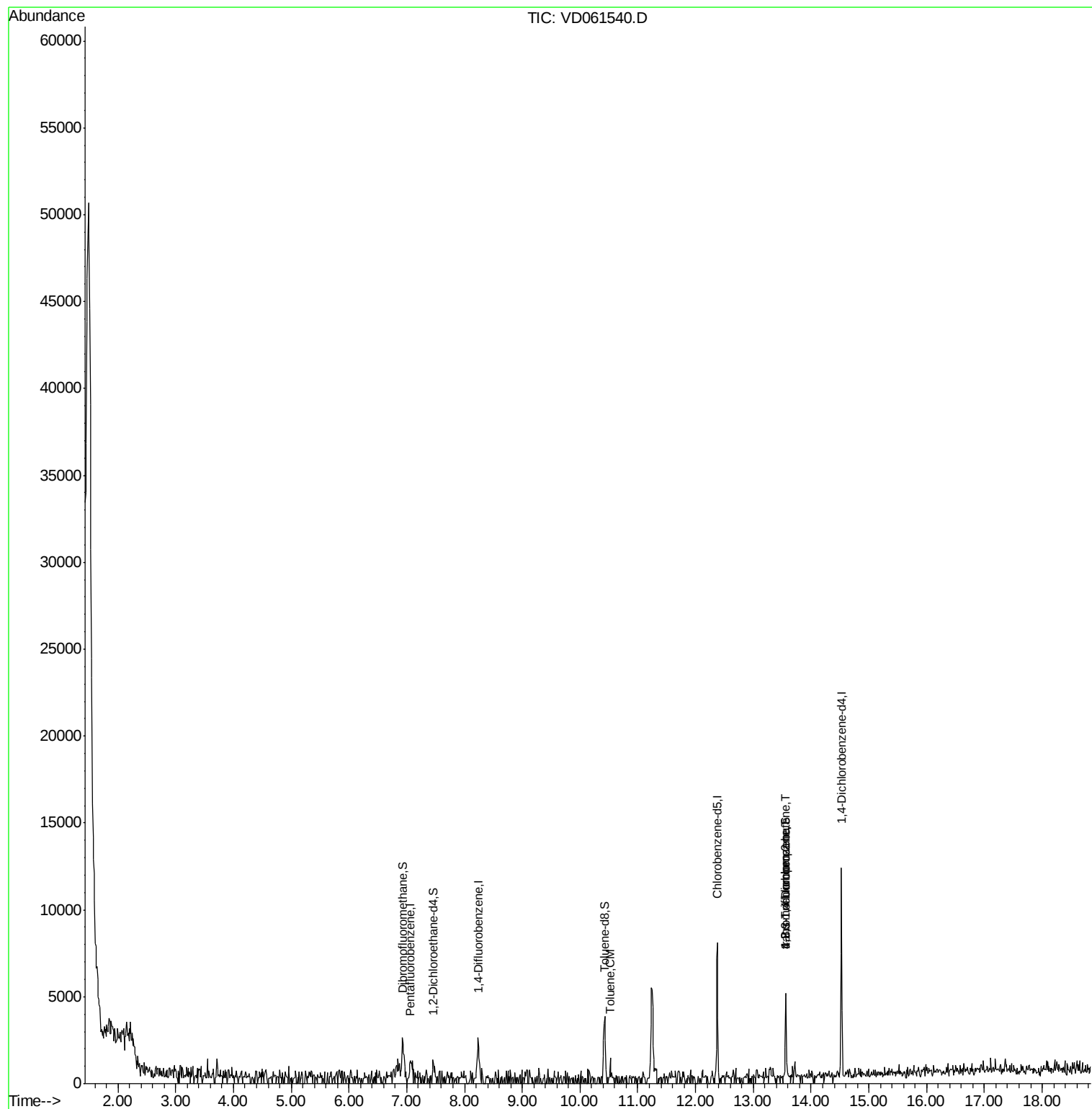
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	2411	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	5972	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	5980	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	3196	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	1886	91.57	ug/l	0.03
Spiked Amount 50.000			Recovery	=	183.14%	
35) Dibromofluoromethane	6.93	113	2103	46.08	ug/l	0.03
Spiked Amount 50.000			Recovery	=	92.16%	
50) Toluene-d8	10.42	98	4460	40.75	ug/l	0.03
Spiked Amount 50.000			Recovery	=	81.50%	
62) 4-Bromofluorobenzene	13.56	95	1905	45.39	ug/l	0.01
Spiked Amount 50.000			Recovery	=	90.78%	
Target Compounds						
52) Toluene	10.53	92	240	3.007	ug/l	Qvalue 100
76) 1,2,3-Trichloropropane	13.56	75	987	21.379	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	988	70.189	ug/l #	18

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061540.D

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ClientSampleId :

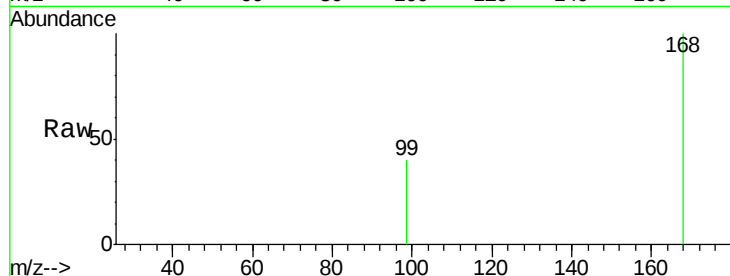
TP-4D2RE

Tot Ion:168 Resp: 2411

Ion Ratio Lower Upper

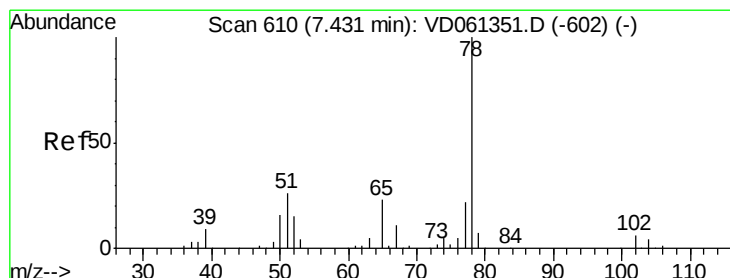
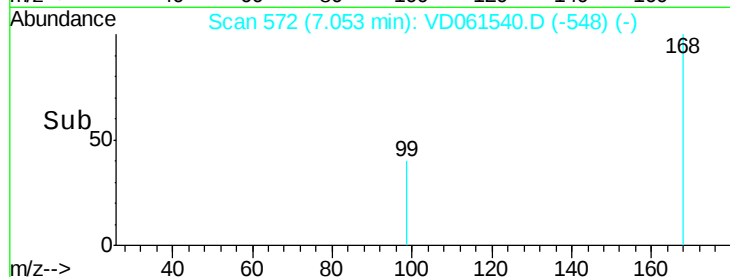
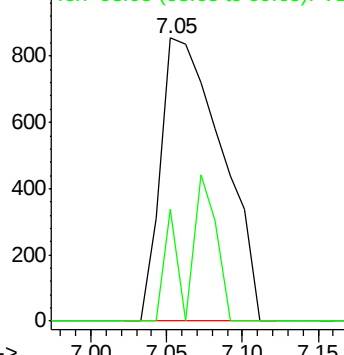
168 100

99 39.6 43.1 64.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): 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: VD061540.D

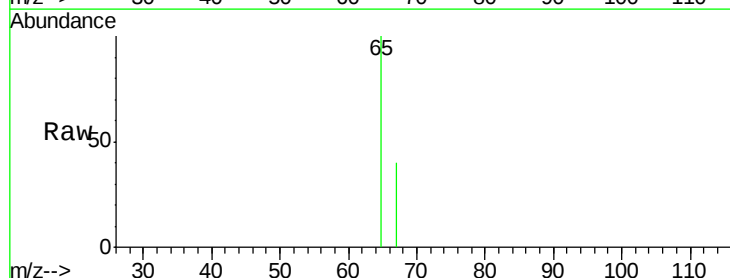
Acq: 3 Apr 2019 5:57

Tgt Ion: 65 Resp: 1886

Ion Ratio Lower Upper

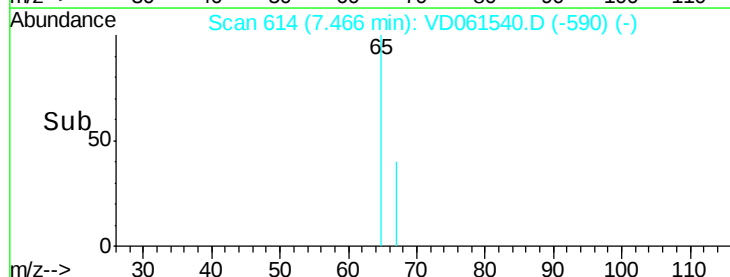
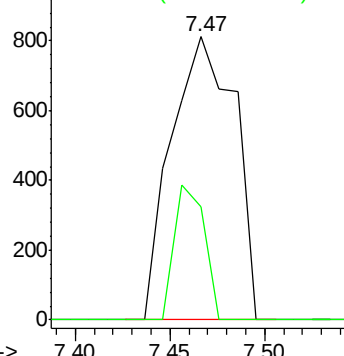
65 100

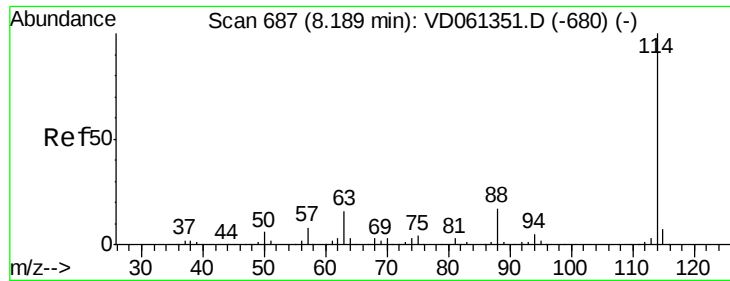
67 40.1 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

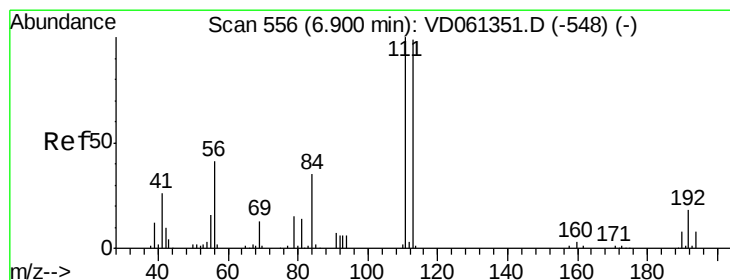
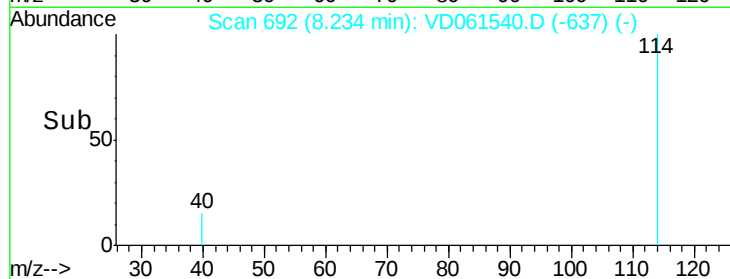
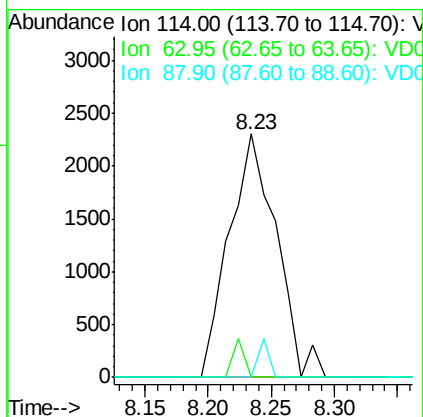
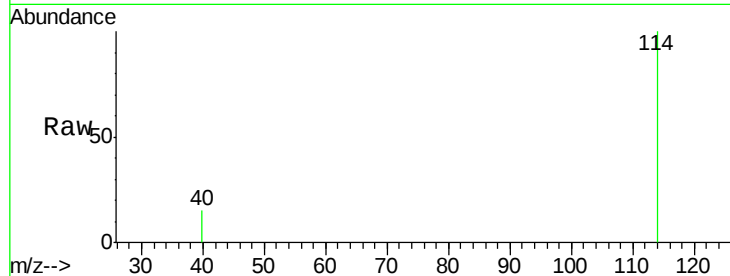




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD061540.D
 Acq: 3 Apr 2019 5:57

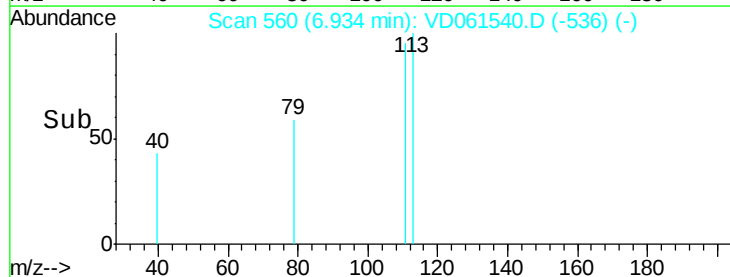
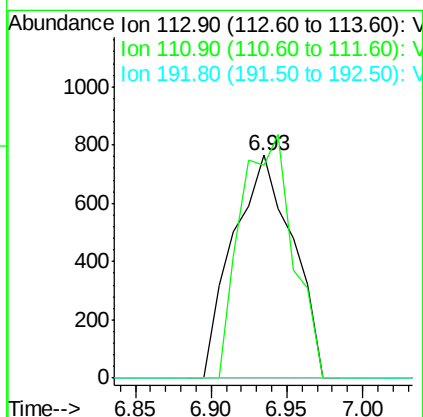
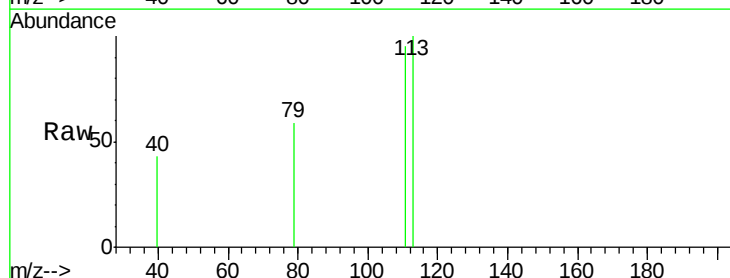
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4D2RE

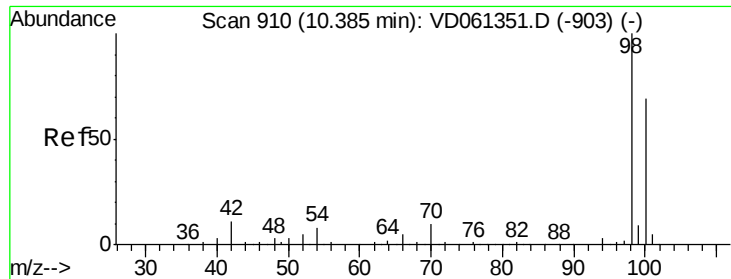
Tot Ion:114 Resp: 5972
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 31.6
 88 0.0 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD061540.D
 Acq: 3 Apr 2019 5:57

Tgt Ion:113 Resp: 2103
 Ion Ratio Lower Upper
 113 100
 111 95.4 81.0 121.6
 192 0.0 14.4 21.6#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD061540.D

Acq: 3 Apr 2019 5:57

Instrument :

MSVOA_D

ClientSampleId :

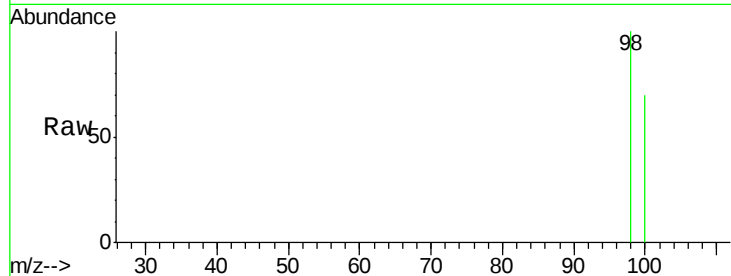
TP-4D2RE

Tot Ion: 98 Resp: 4460

Ion Ratio Lower Upper

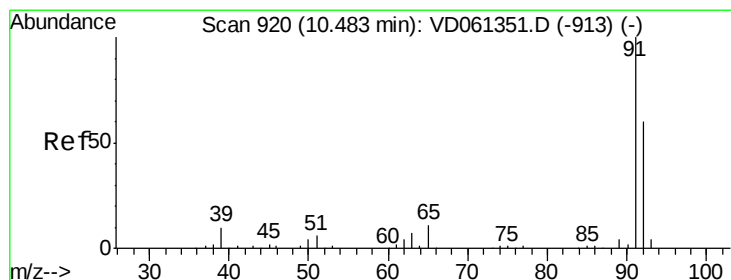
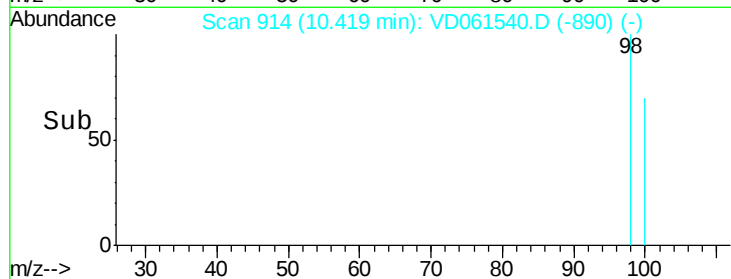
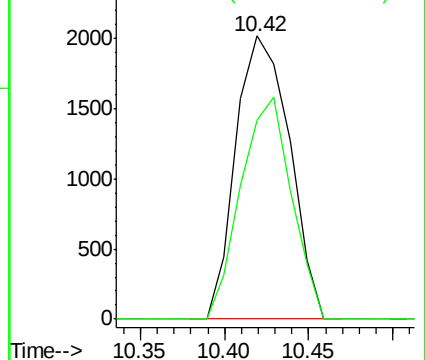
98 100

100 70.2 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 3.007 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.04 min

Lab File: VD061540.D

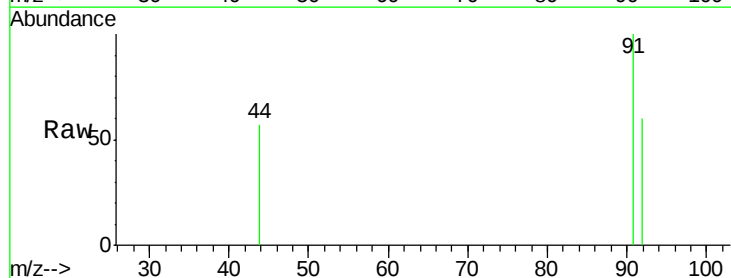
Acq: 3 Apr 2019 5:57

Tgt Ion: 92 Resp: 240

Ion Ratio Lower Upper

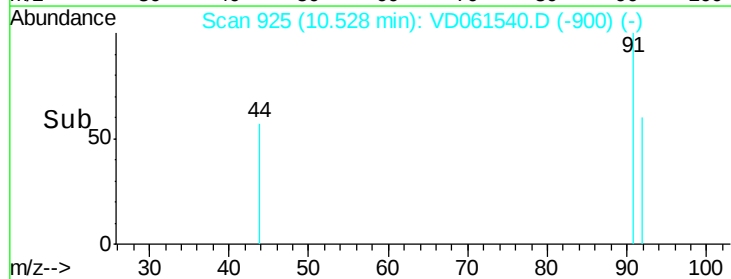
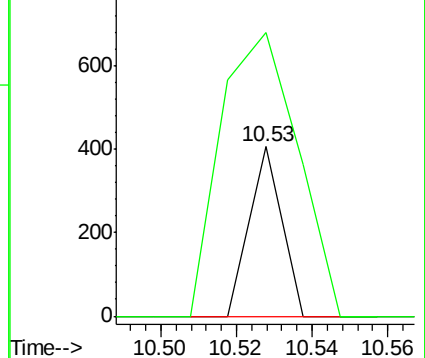
92 100

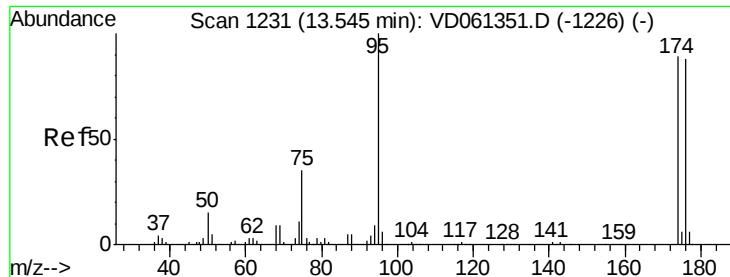
91 167.2 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

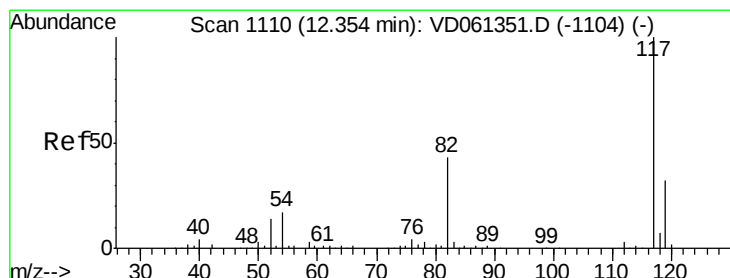
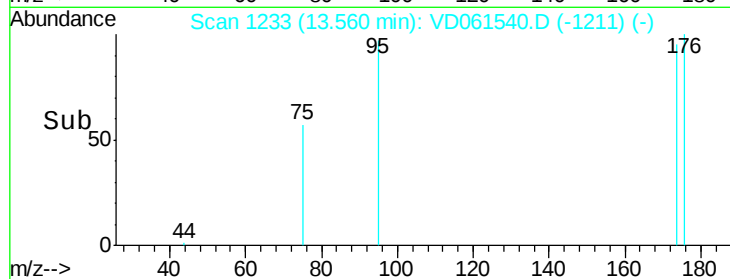
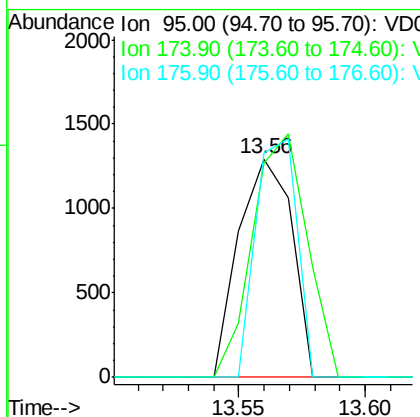
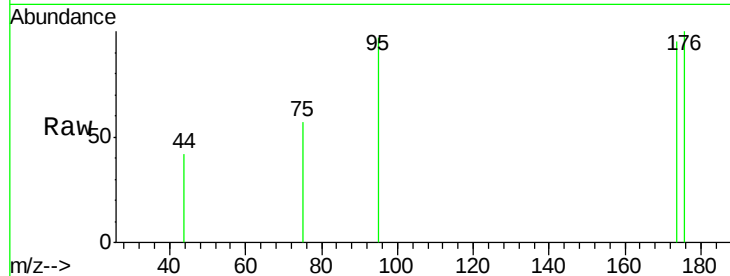




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061540.D
Acq: 3 Apr 2019 5:57

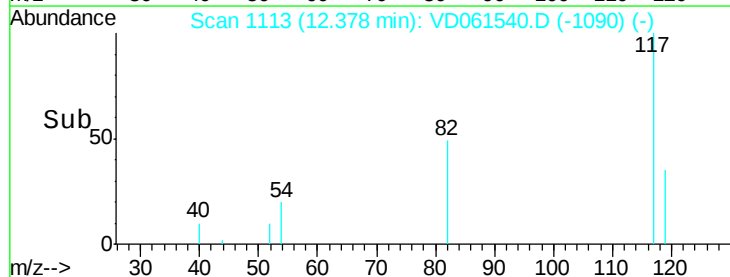
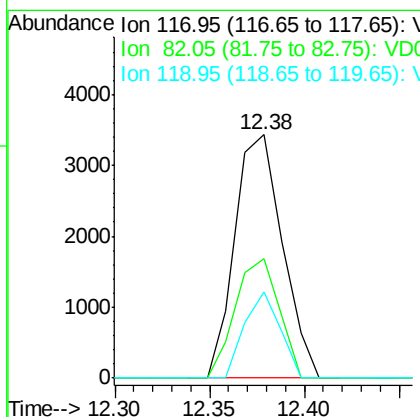
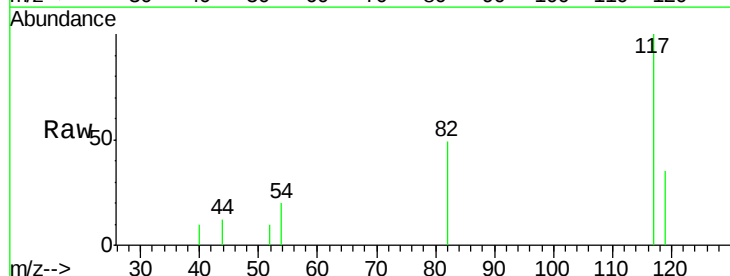
Instrument :
MSVOA_D
ClientSampleId :
TP-4D2RE

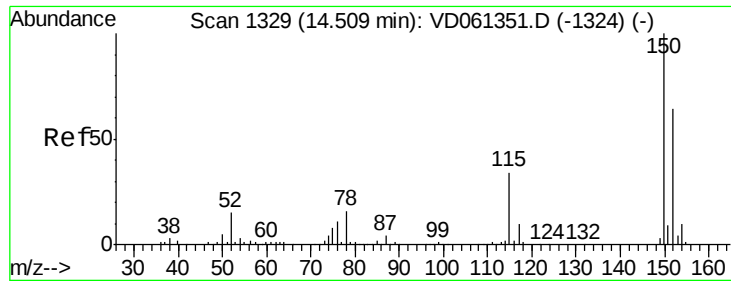
Tot Ion: 95 Resp: 1905
Ion Ratio Lower Upper
95 100
174 98.2 0.0 178.0
176 102.9 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061540.D
Acq: 3 Apr 2019 5:57

Tgt Ion: 117 Resp: 5980
Ion Ratio Lower Upper
117 100
82 49.2 34.4 51.6
119 35.5 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061540.D

Acq: 3 Apr 2019 5:57

Instrument :

MSVOA_D

ClientSampleId :

TP-4D2RE

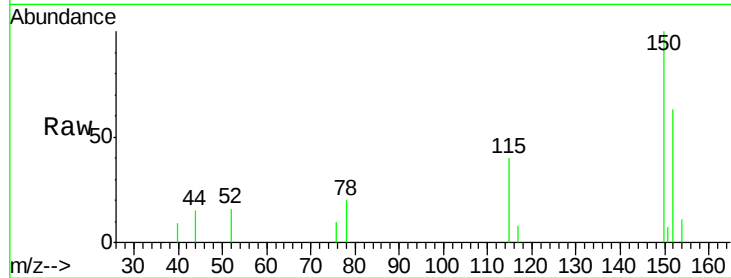
Tot Ion:152 Resp: 3196

Ion Ratio Lower Upper

152 100

115 62.9 26.9 80.6

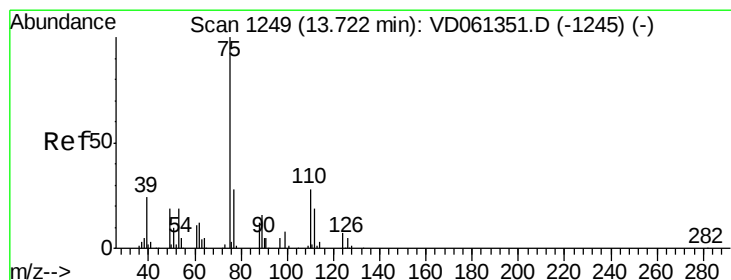
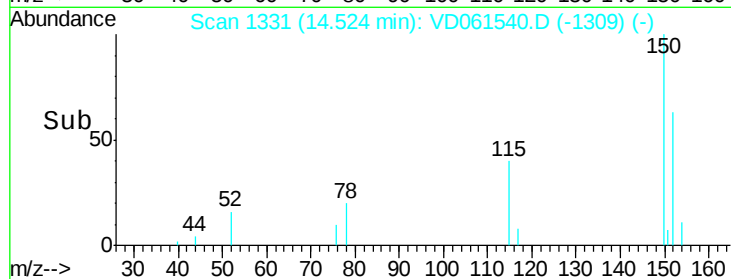
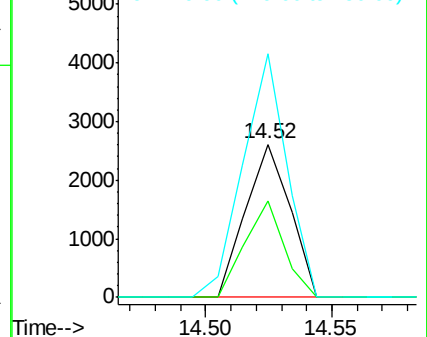
150 159.0 0.0 318.0



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: 21.379 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061540.D

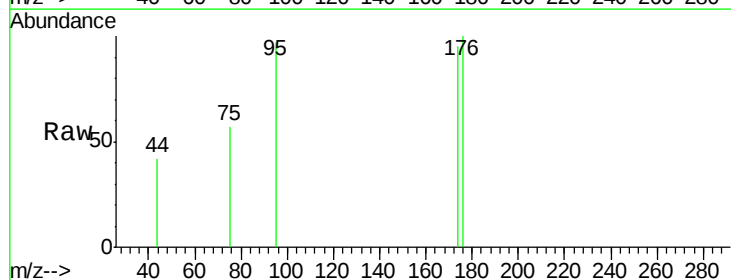
Acq: 3 Apr 2019 5:57

Tgt Ion: 75 Resp: 987

Ion Ratio Lower Upper

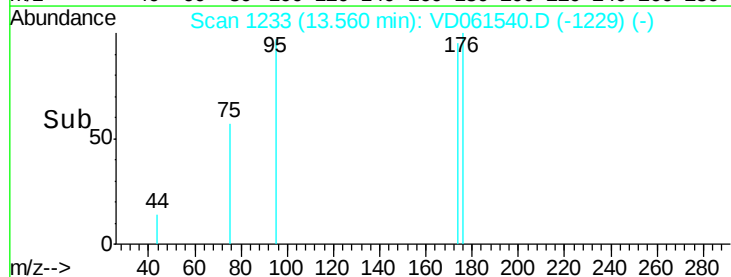
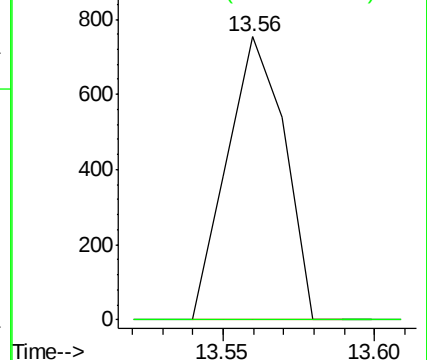
75 100

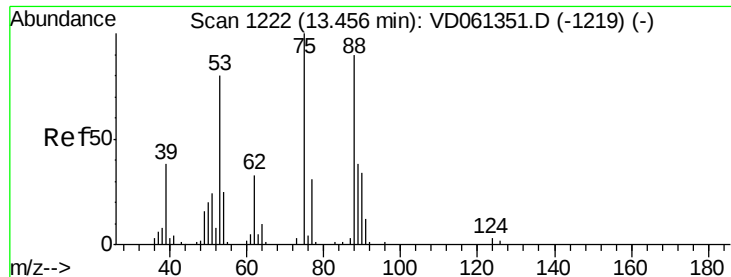
77 0.0 16.2 48.5#



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: 70.189 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD061540.D

Acq: 3 Apr 2019 5:57

Instrument :

MSVOA_D

ClientSampleId :

TP-4D2RE

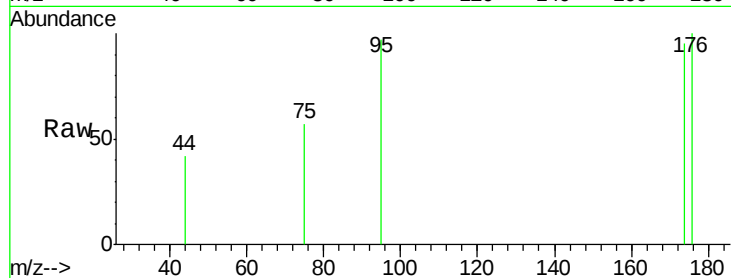
Tot Ion: 75 Resp: 988

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

