

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061549.D
 Acq On : 3 Apr 2019 10:09
 Operator : VA/AP
 Sample : K2219-02
 Misc : 5.66g/5ml/MSVOA D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 00:56:02 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	7.07	168	409204	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	712801	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.40	117	561081	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	14.54	152	210362	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	238283	68.17	ug/l	0.04
Spiked Amount 50.000			Recovery	=	136.34%	
35) Dibromofluoromethane	6.95	113	316125	58.04	ug/l	0.05
Spiked Amount 50.000			Recovery	=	116.08%	
50) Toluene-d8	10.44	98	597026	45.70	ug/l	0.05
Spiked Amount 50.000			Recovery	=	91.40%	
62) 4-Bromofluorobenzene	13.58	95	234984	46.90	ug/l	0.03
Spiked Amount 50.000			Recovery	=	93.80%	

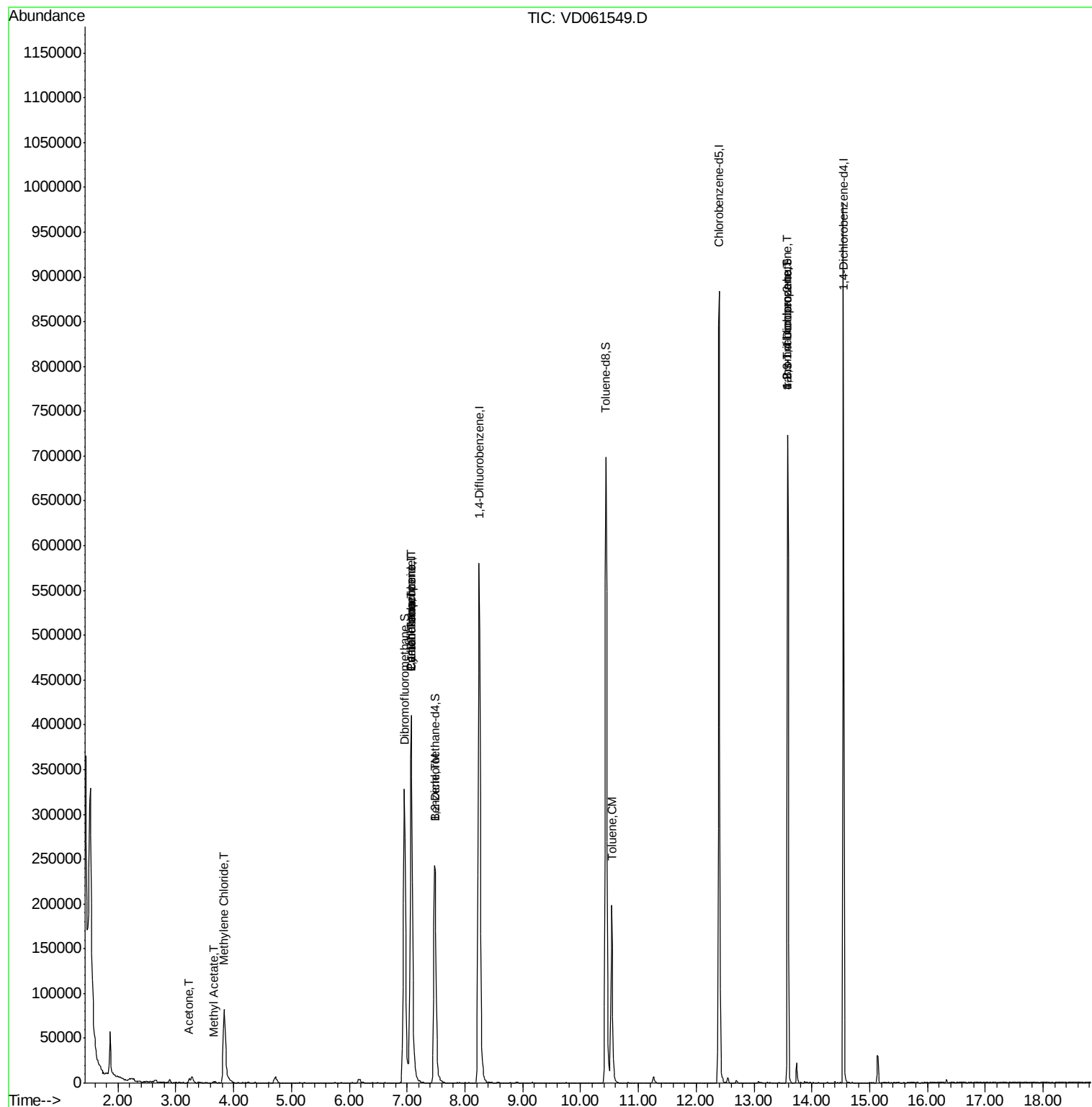
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.24	43	8602	9.573	ug/l #	83
18) Methyl Acetate	3.66	43	3467	1.835	ug/l #	55
20) Methylene Chloride	3.83	84	63787	11.181	ug/l	91
31) Cyclohexane	7.06	56	7843	1.303	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	30608	4.920	ug/l #	46
38) Carbon Tetrachloride	7.07	117	40655	5.687	ug/l #	13
40) Benzene	7.49	78	25502	1.633	ug/l	100
52) Toluene	10.54	92	105997	11.128	ug/l	91
76) 1,2,3-Trichloropropane	13.58	75	91915	30.248	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.58	75	91908	99.198	ug/l #	18

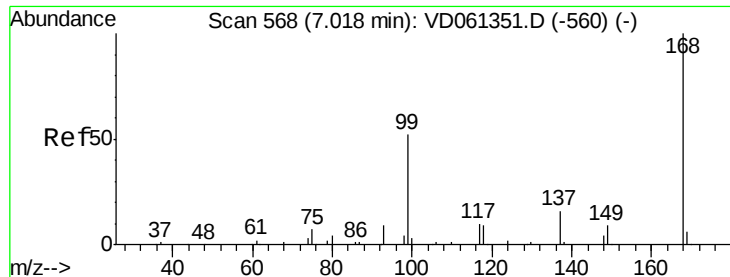
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040219\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

Instrument :

MSVOA_D

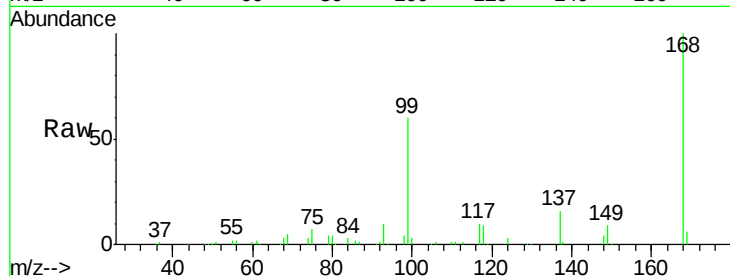
ClientSampleId :

Tot Ion:168 Resp: 409204

Ion Ratio Lower Upper

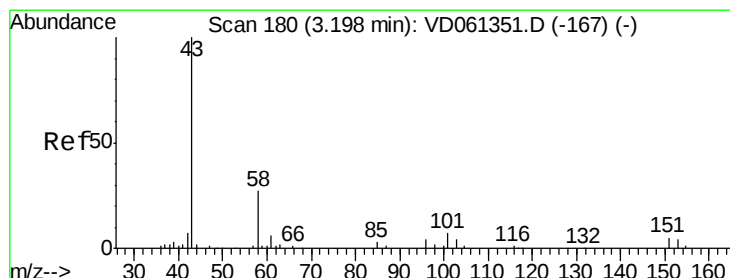
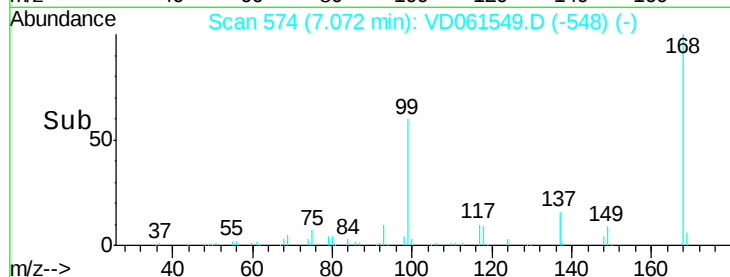
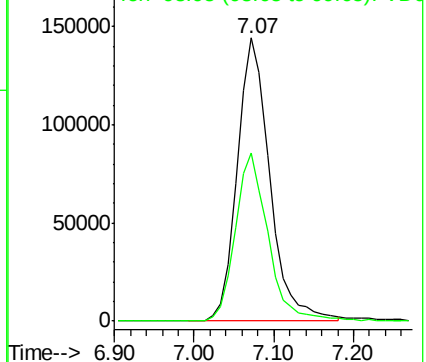
168 100

99 59.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 9.573 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.04 min

Lab File: VD061549.D

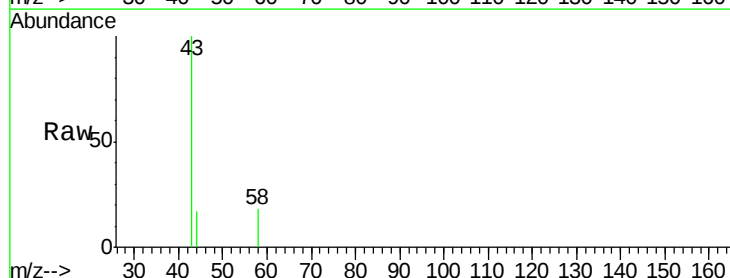
Acq: 3 Apr 2019 10:09

Tgt Ion: 43 Resp: 8602

Ion Ratio Lower Upper

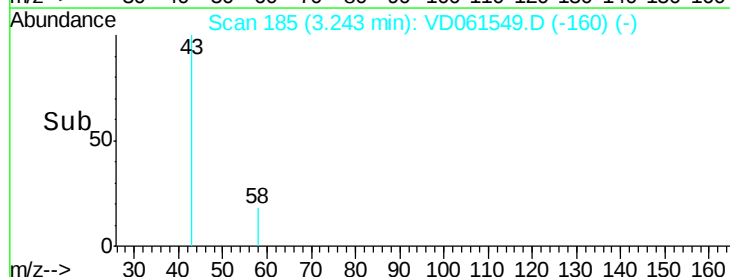
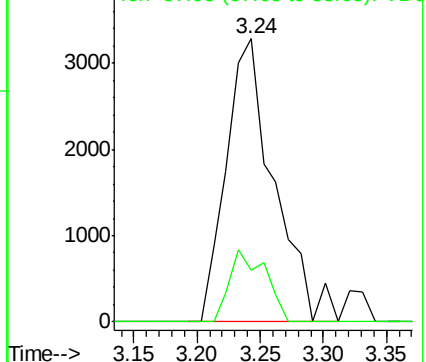
43 100

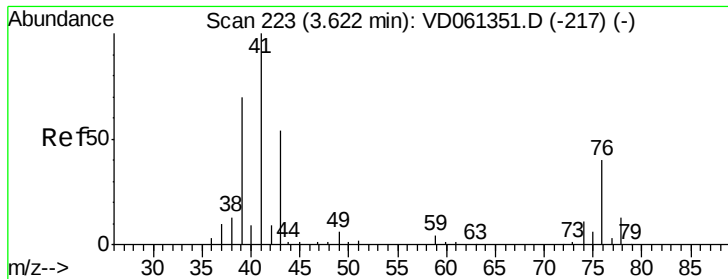
58 18.1 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

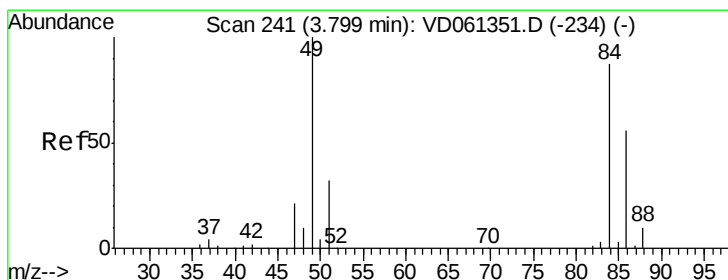
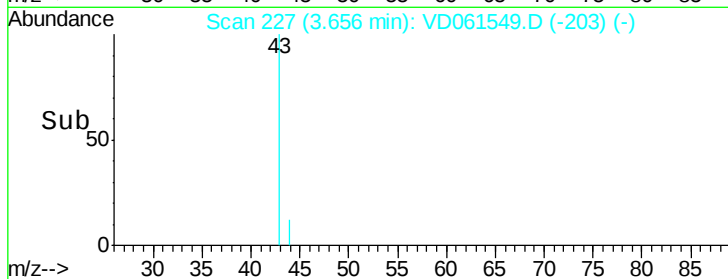
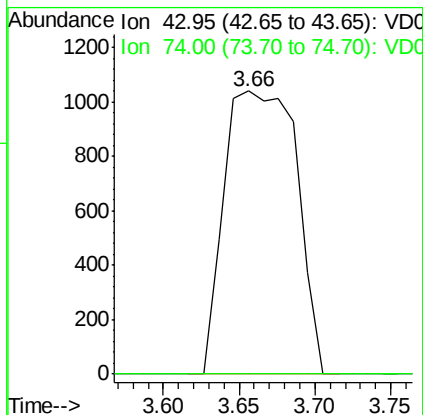
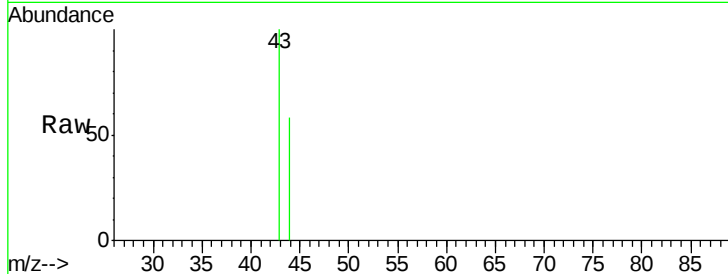




#18
Methyl Acetate
Concen: 1.835 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.03 min
Lab File: VD061549.D
Acq: 3 Apr 2019 10:09

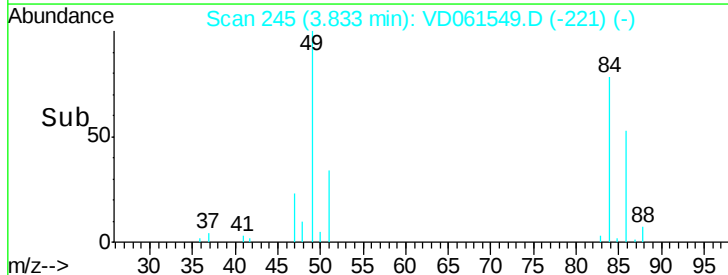
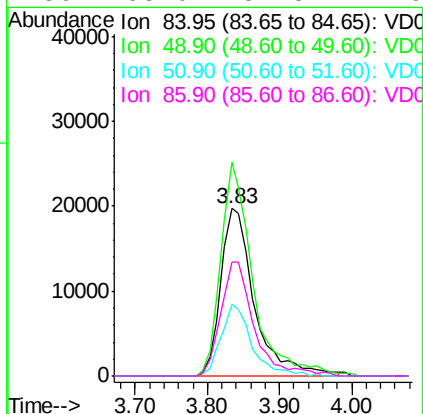
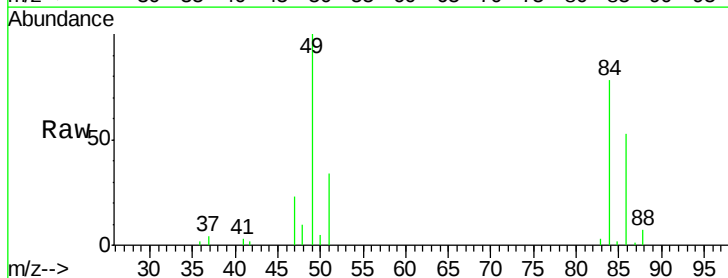
Instrument :
MSVOA_D
ClientSampleId :

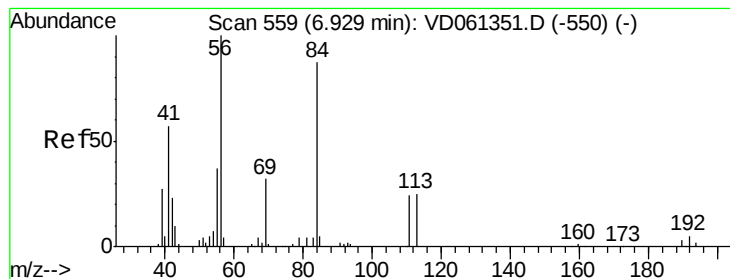
Tot Ion: 43 Resp: 3467
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 11.181 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD061549.D
Acq: 3 Apr 2019 10:09

Tgt Ion: 84 Resp: 63787
Ion Ratio Lower Upper
84 100
49 127.5 91.8 137.8
51 42.9 29.8 44.8
86 68.0 51.8 77.6





#31

Cyclohexane

Concen: 1.303 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

Instrument :
MSVOA_D
ClientSampled :

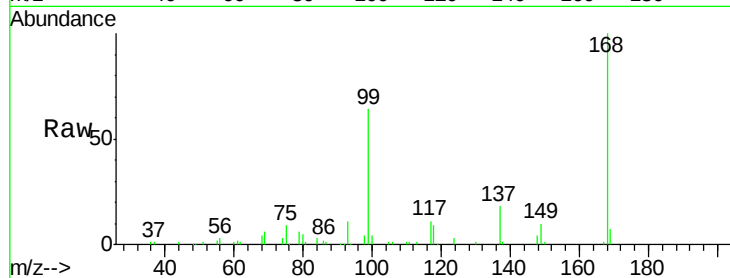
Tot Ion: 56 Resp: 7843

Ion Ratio Lower Upper

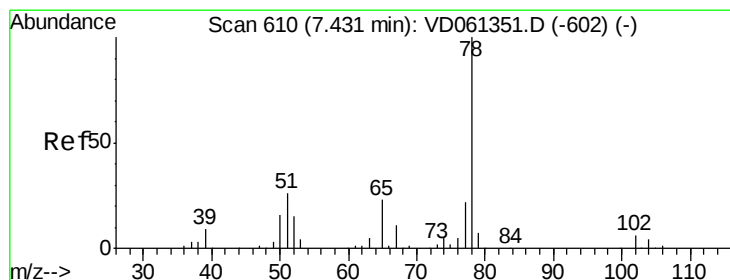
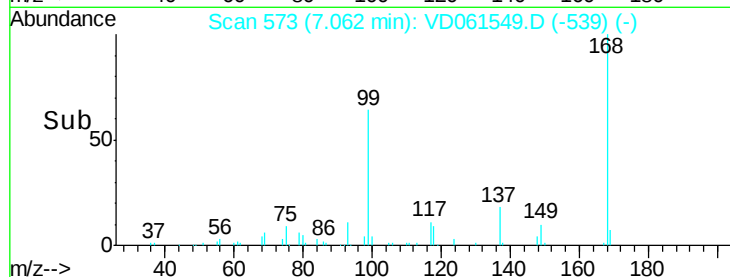
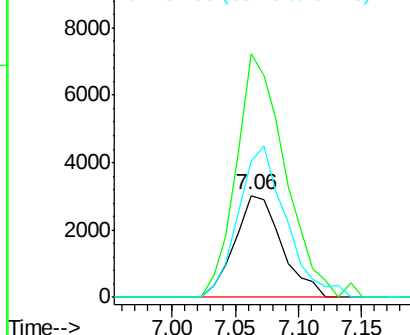
56 100

69 238.7 25.7 38.5#

84 133.9 70.6 105.8#



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: 7.48 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD061549.D

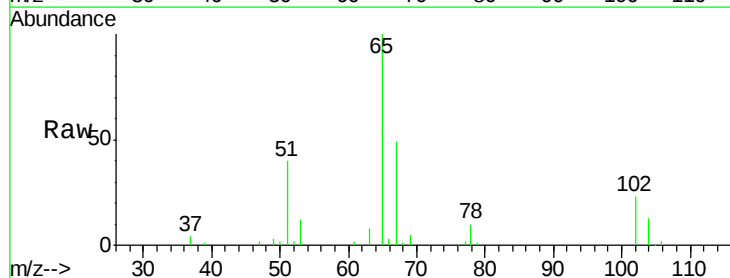
Acq: 3 Apr 2019 10:09

Tgt Ion: 65 Resp: 238283

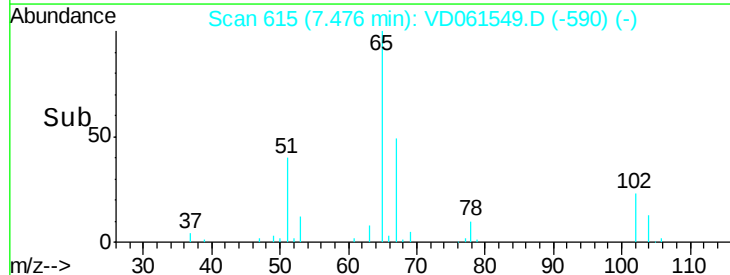
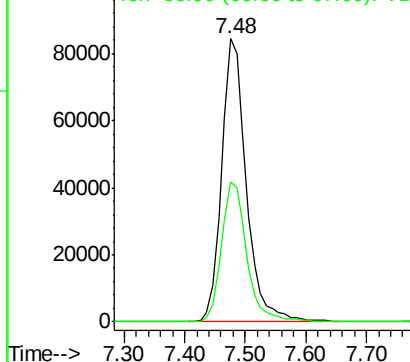
Ion Ratio Lower Upper

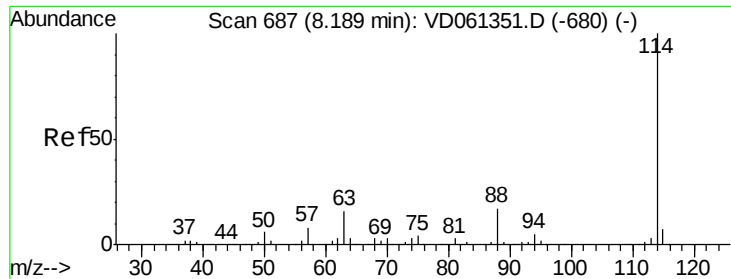
65 100

67 49.3 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: 8.24 min Scan# 693

Delta R.T. 0.05 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

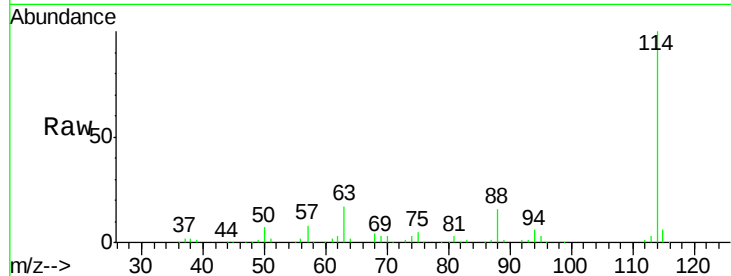
Tot Ion:114 Resp: 712801

Ion Ratio Lower Upper

114 100

63 16.7 0.0 31.6

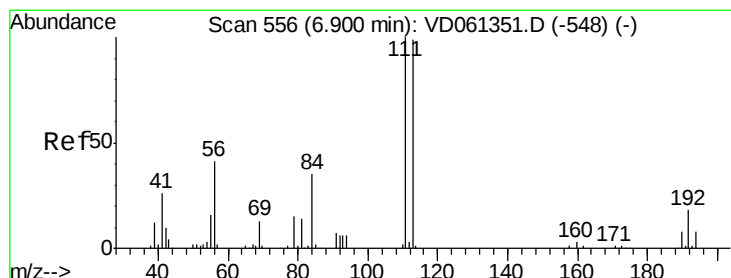
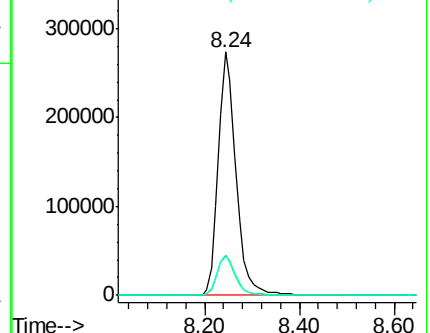
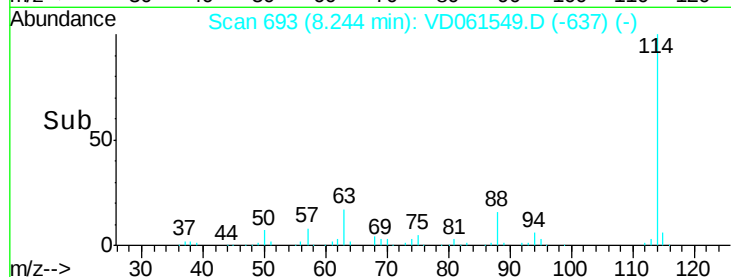
88 16.0 0.0 33.4



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# 562

Delta R.T. 0.05 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

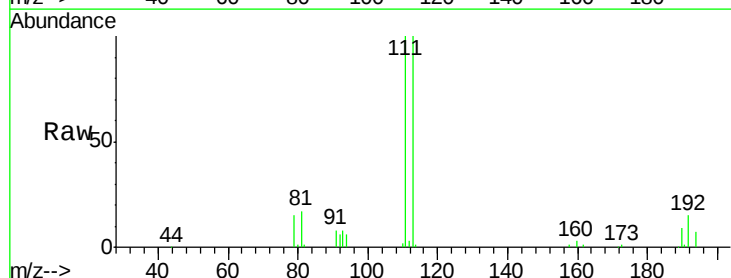
Tgt Ion:113 Resp: 316125

Ion Ratio Lower Upper

113 100

111 99.9 81.0 121.6

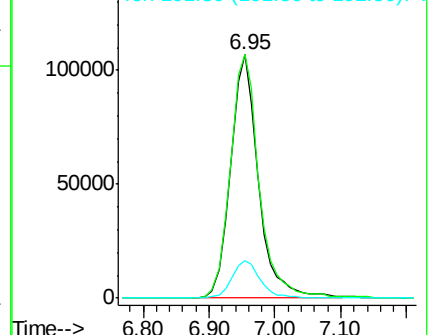
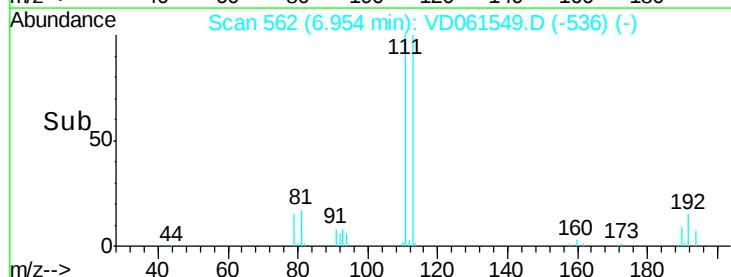
192 15.3 14.4 21.6

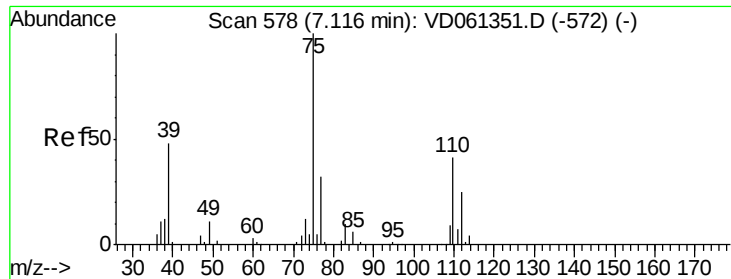


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.920 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

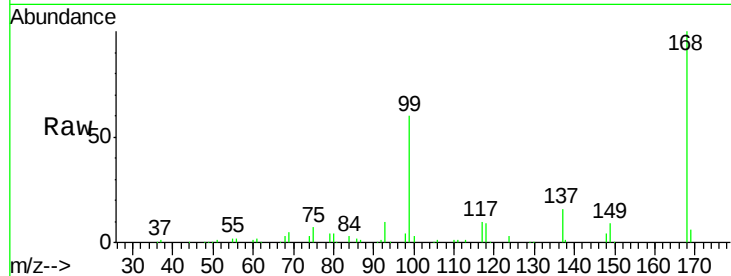
Tot Ion: 75 Resp: 30608

Ion Ratio Lower Upper

75 100

110 8.8 20.4 61.3#

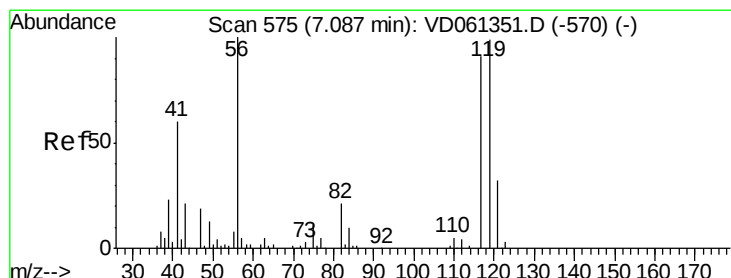
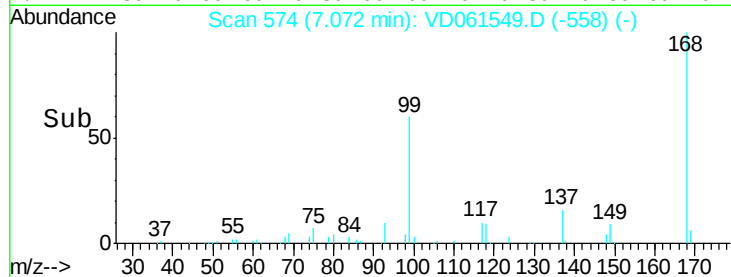
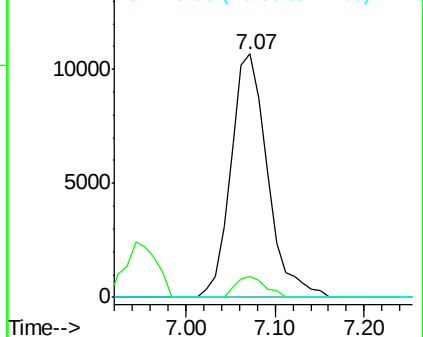
77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.687 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.01 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

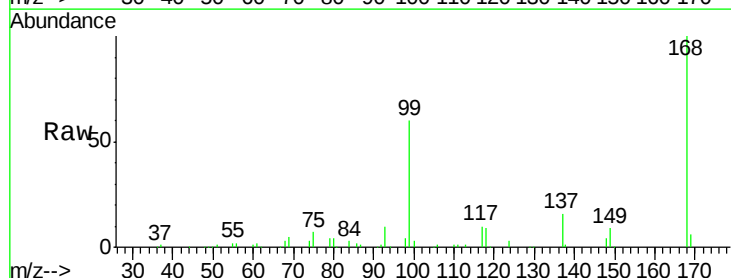
Tgt Ion: 117 Resp: 40655

Ion Ratio Lower Upper

117 100

119 4.2 80.1 120.1#

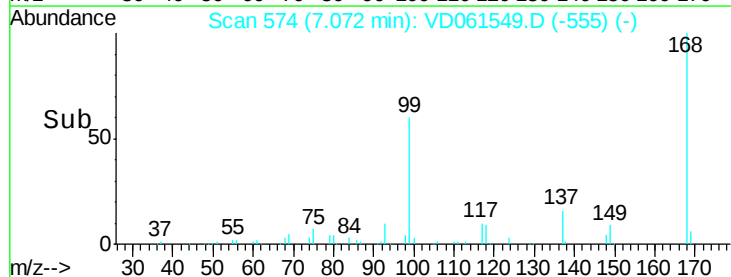
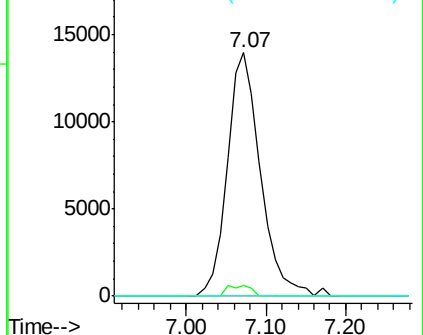
121 0.0 25.6 38.4#

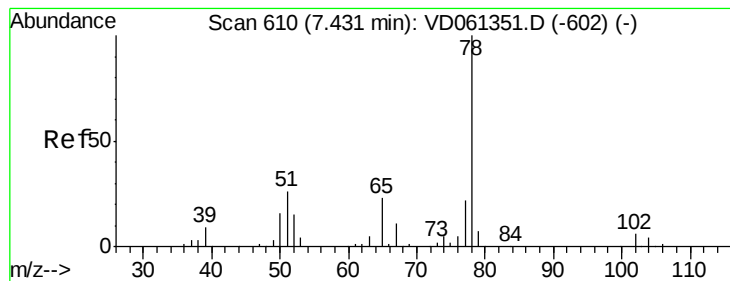


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#40

Benzene

Concen: 1.633 ug/l

RT: 7.49 min Scan# 616

Delta R.T. 0.05 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

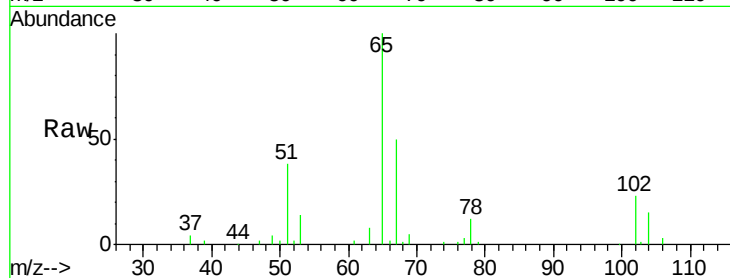
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 78 Resp: 25502

Ion Ratio Lower Upper

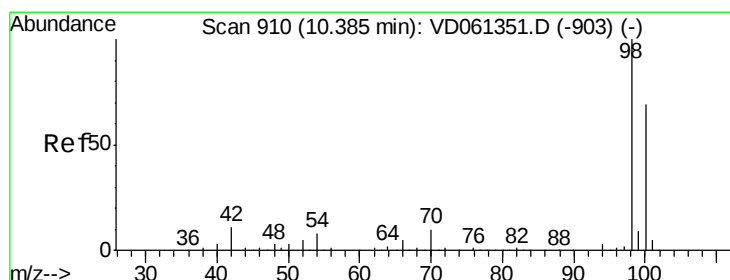
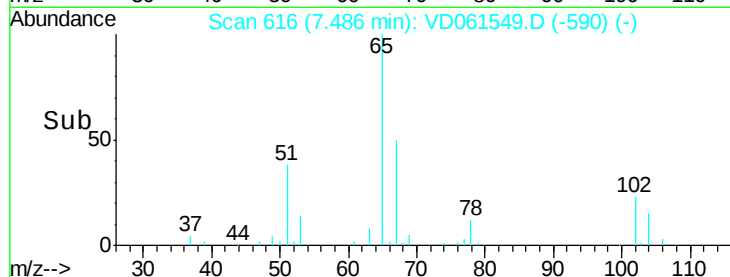
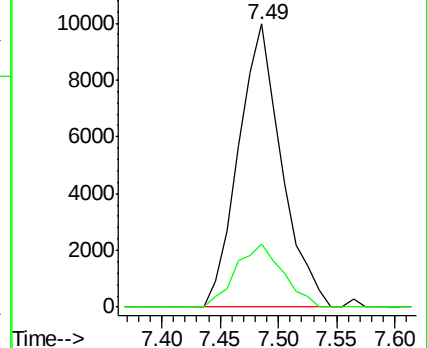
78 100

77 22.1 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.44 min Scan# 916

Delta R.T. 0.05 min

Lab File: VD061549.D

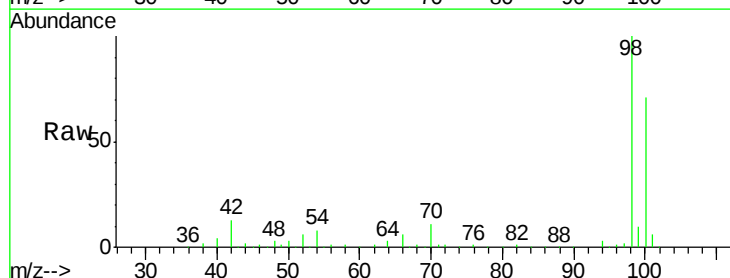
Acq: 3 Apr 2019 10:09

Tgt Ion: 98 Resp: 597026

Ion Ratio Lower Upper

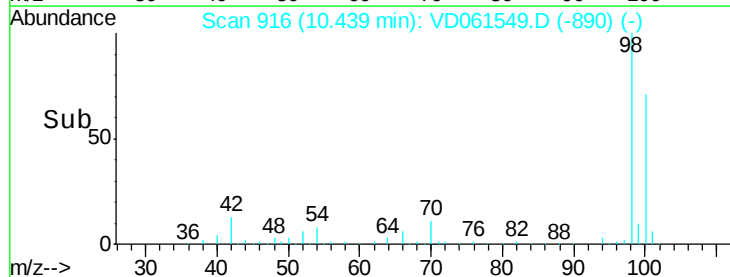
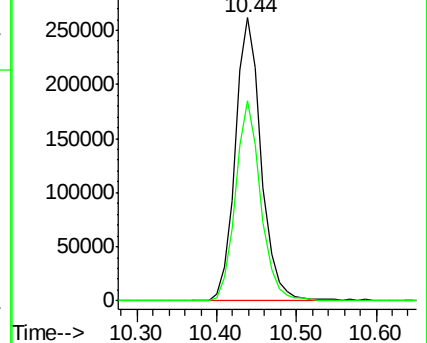
98 100

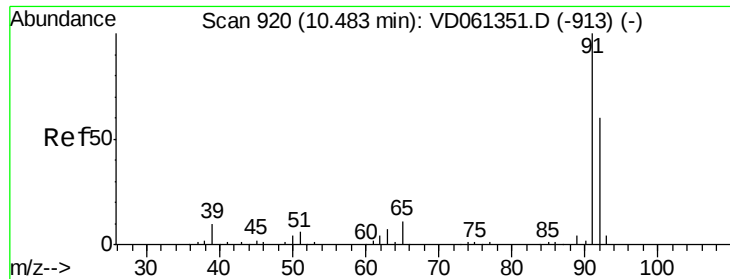
100 70.8 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 11.128 ug/l

RT: 10.54 min Scan# 926

Delta R.T. 0.05 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

Instrument :

MSVOA_D

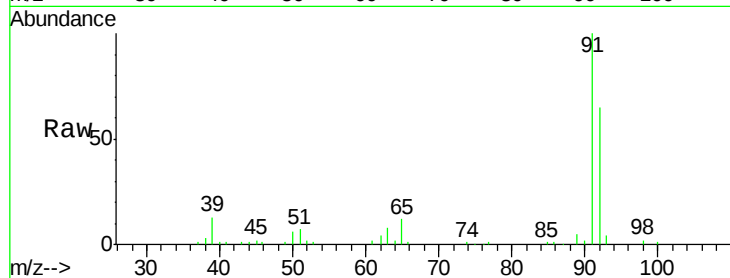
ClientSampleId :

Tot Ion: 92 Resp: 105997

Ion Ratio Lower Upper

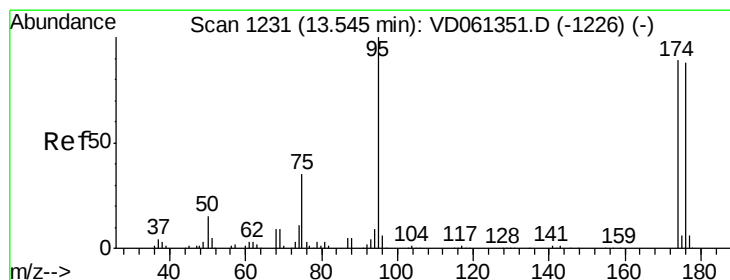
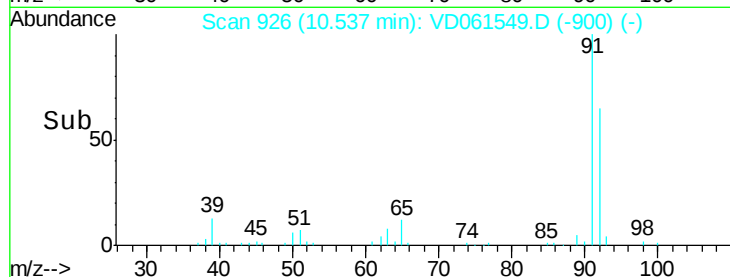
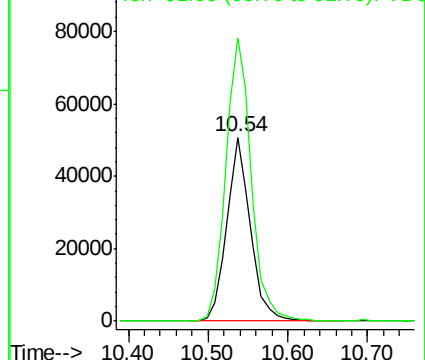
92 100

91 154.0 133.3 199.9



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: 13.58 min Scan# 1235

Delta R.T. 0.03 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

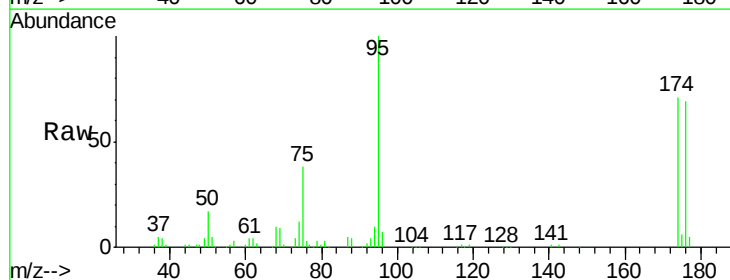
Tgt Ion: 95 Resp: 234984

Ion Ratio Lower Upper

95 100

174 71.1 0.0 178.0

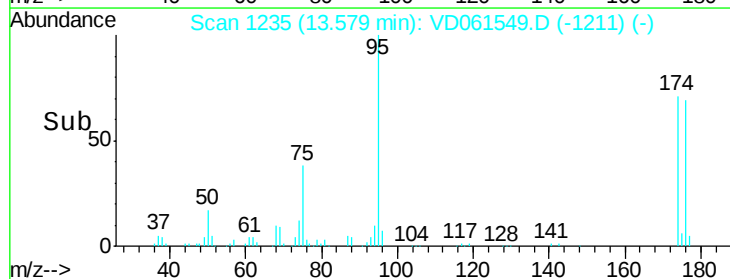
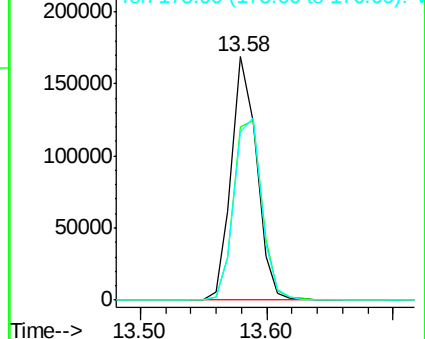
176 69.2 0.0 175.0

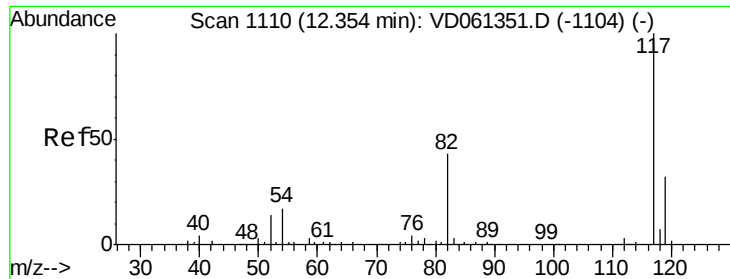


Abundance Ion 95.00 (94.70 to 95.70): VDC

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: 12.40 min Scan# 1115

Delta R.T. 0.04 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

Instrument :

MSVOA_D

ClientSampled :

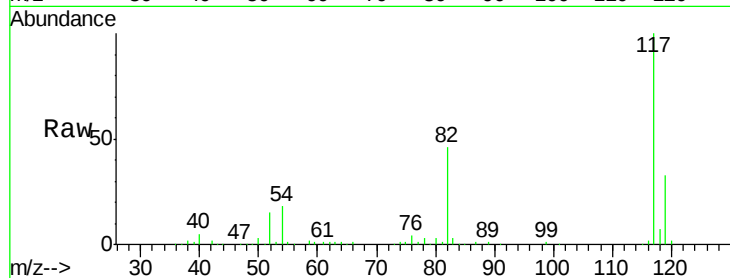
Tot Ion:117 Resp: 561081

Ion Ratio Lower Upper

117 100

82 45.6 34.4 51.6

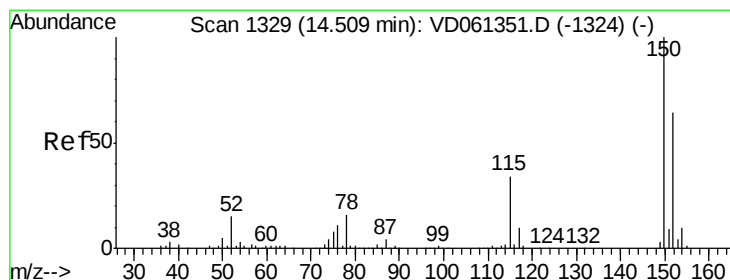
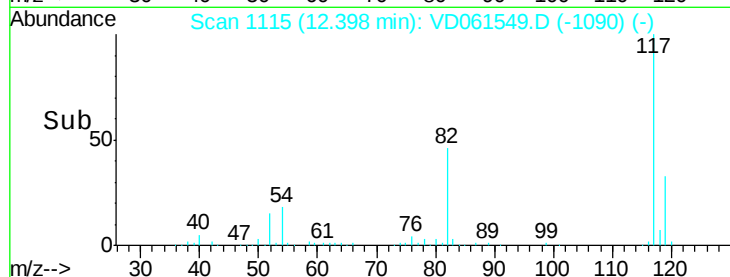
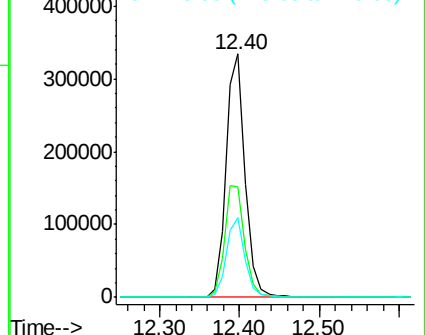
119 32.6 25.8 38.6



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# 1333

Delta R.T. 0.03 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

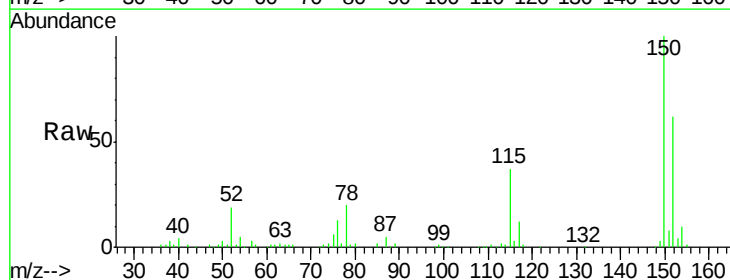
Tgt Ion:152 Resp: 210362

Ion Ratio Lower Upper

152 100

115 59.6 26.9 80.6

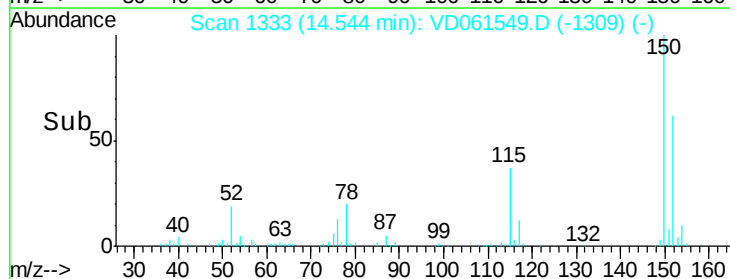
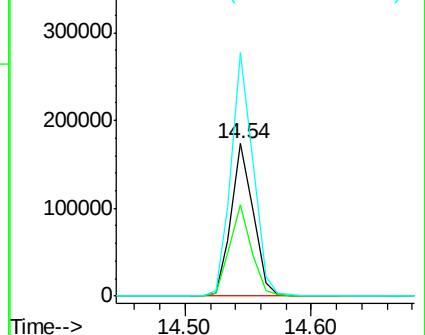
150 160.0 0.0 318.0

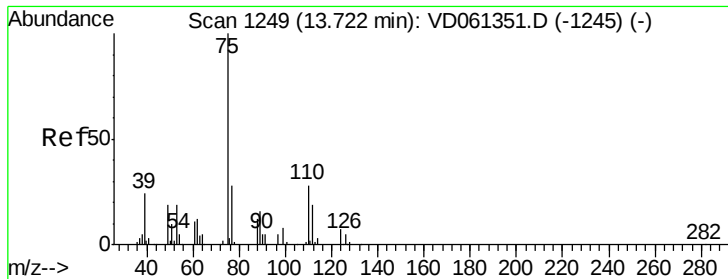


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.248 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. -0.14 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

Instrument :

MSVOA_D

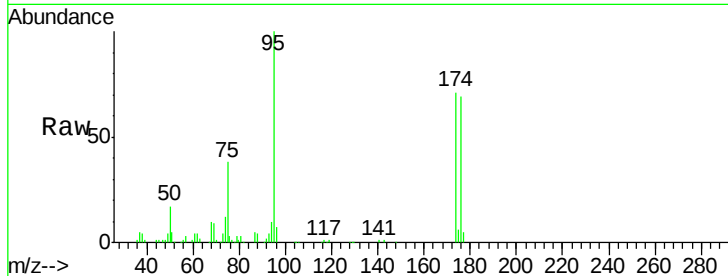
ClientSampleId :

Tot Ion: 75 Resp: 91915

Ion Ratio Lower Upper

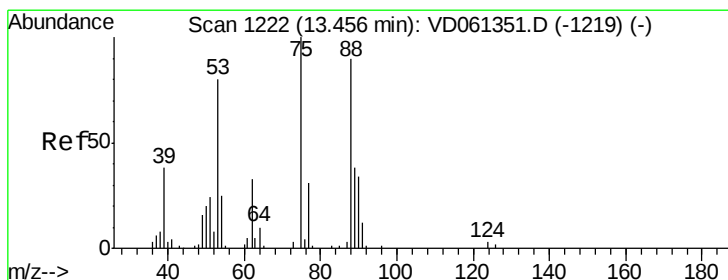
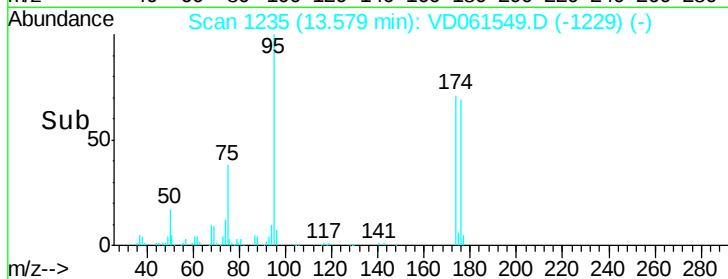
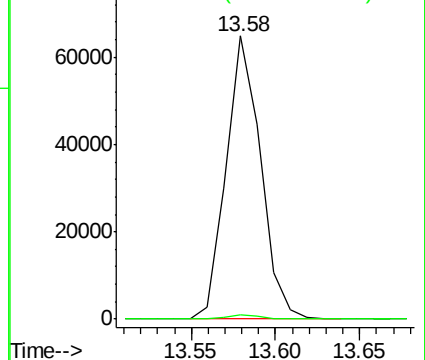
75 100

77 1.4 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: 99.198 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.12 min

Lab File: VD061549.D

Acq: 3 Apr 2019 10:09

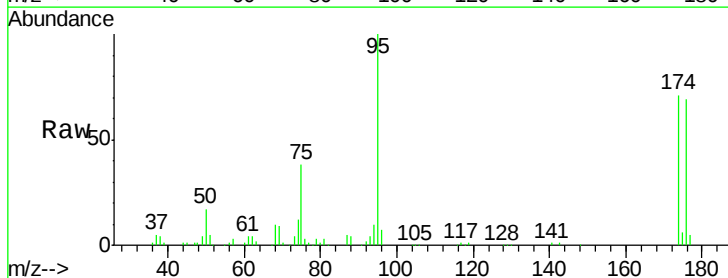
Tgt Ion: 75 Resp: 91908

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

