

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061651.D
 Acq On : 8 Apr 2019 15:17
 Operator : VA/AP
 Sample : K2240-05
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:19:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	405265	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	688383	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	552976	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	246013	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	162538	52.91	ug/l	0.03
Spiked Amount			Recovery	=	105.82%	
35) Dibromofluoromethane	6.95	113	231422	48.53	ug/l	0.03
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	10.43	98	469805	39.21	ug/l	0.03
Spiked Amount			Recovery	=	78.42%	
62) 4-Bromofluorobenzene	13.56	95	225874	54.70	ug/l	0.00
Spiked Amount			Recovery	=	109.40%	

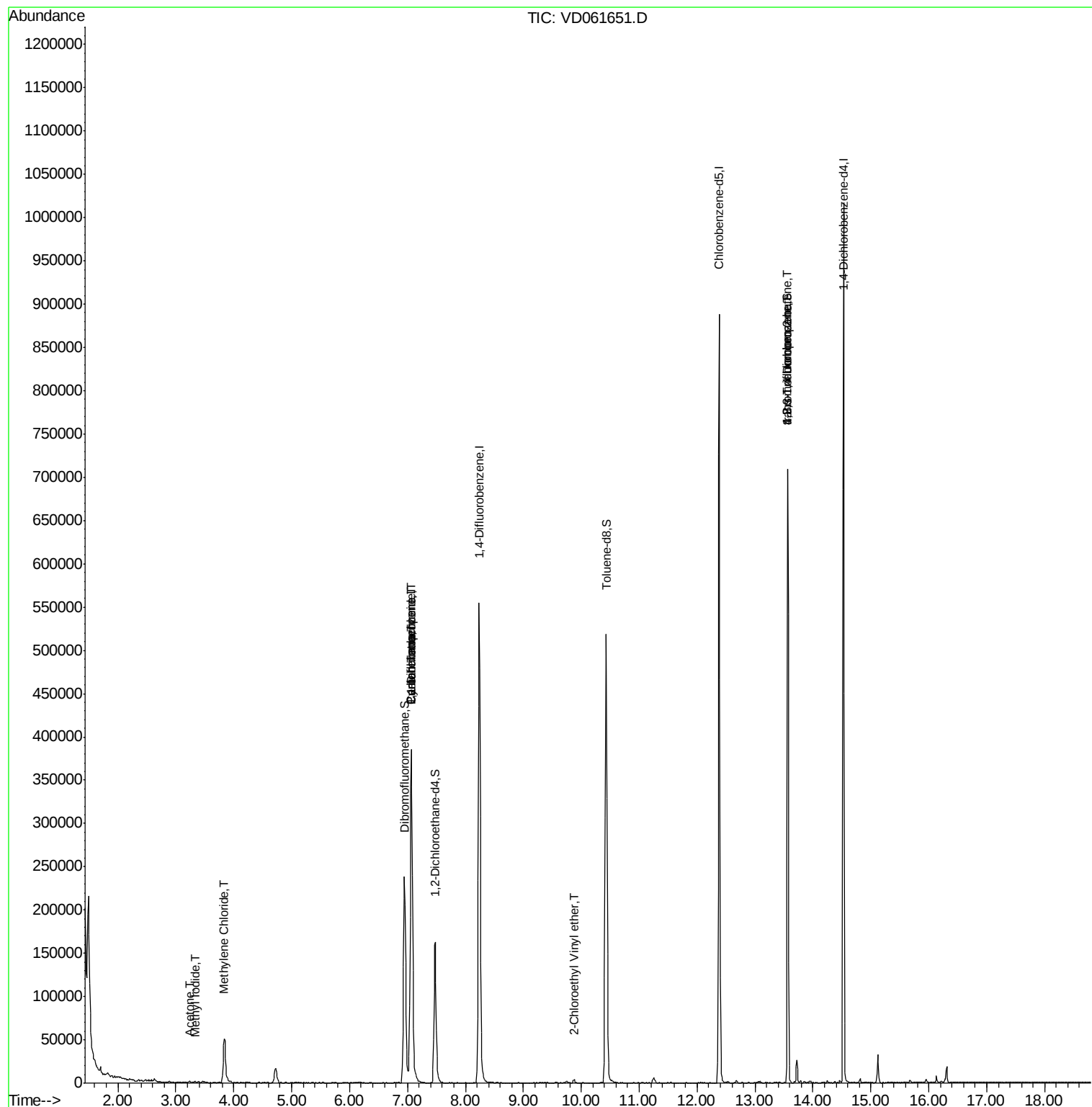
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.33	142	1393	3.831	ug/l #	64
16) Acetone	3.24	43	3543	3.858	ug/l	96
20) Methylene Chloride	3.84	84	40840	7.837	ug/l	93
31) Cyclohexane	7.06	56	6877	1.189	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	27320	4.535	ug/l #	44
38) Carbon Tetrachloride	7.06	117	39721	5.626	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.88	63	2117	1.389	ug/l	90
76) 1,2,3-Trichloropropane	13.56	75	66278	19.802	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	83286	82.002	ug/l #	20

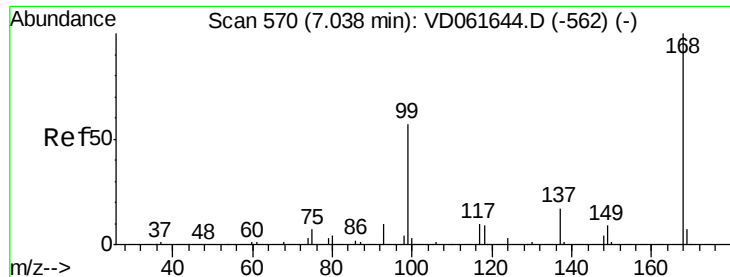
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040819\
Data File : VD061651.D
Acq On : 8 Apr 2019 15:17
Operator : VA/AP
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Misc : 5.08g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :

Quant Time: Apr 09 01:19:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
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: VD061651.D

Acq: 8 Apr 2019 15:17

Instrument :

MSVOA_D

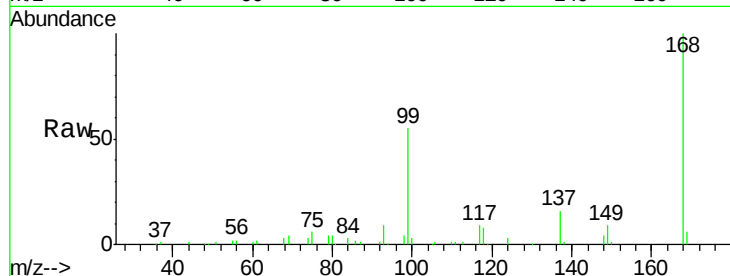
ClientSampleId :

Tot Ion:168 Resp: 405265

Ion Ratio Lower Upper

168 100

99 54.5 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

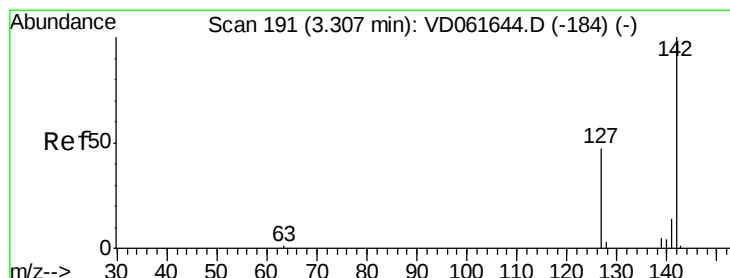
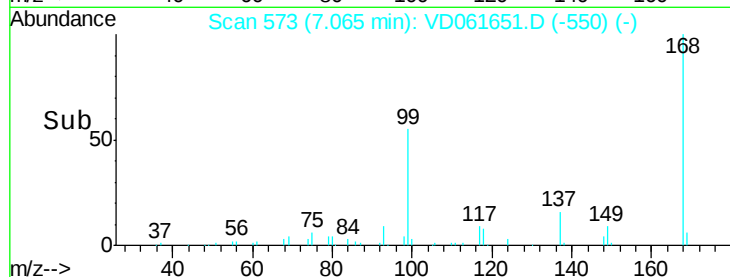
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.831 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.03 min

Lab File: VD061651.D

Acq: 8 Apr 2019 15:17

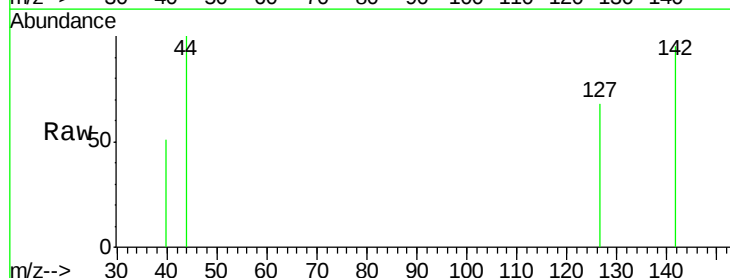
Tgt Ion:142 Resp: 1393

Ion Ratio Lower Upper

142 100

127 71.3 37.2 55.8#

141 0.0 10.8 16.2#



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

3.33

800

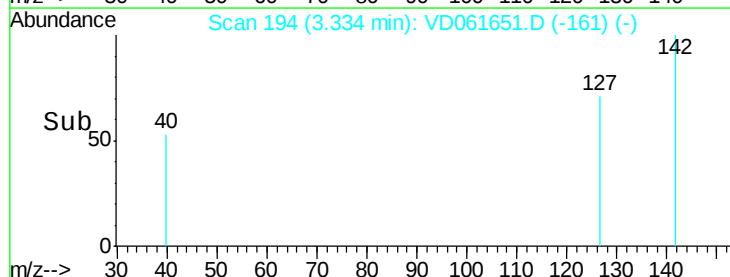
600

400

200

0

Time--> 3.30 3.35 3.40





#16

Acetone

Concen: 3.858 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD061651.D

Acq: 8 Apr 2019 15:17

Instrument :

MSVOA_D

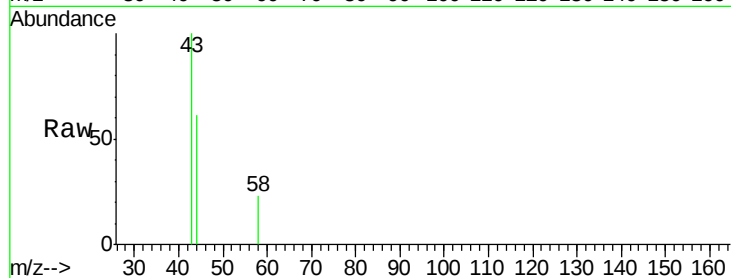
ClientSampleId :

Tot Ion: 43 Resp: 3543

Ion Ratio Lower Upper

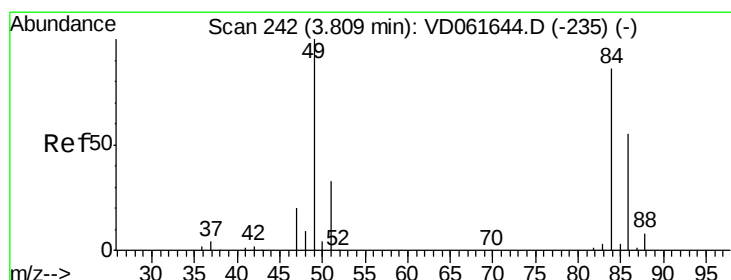
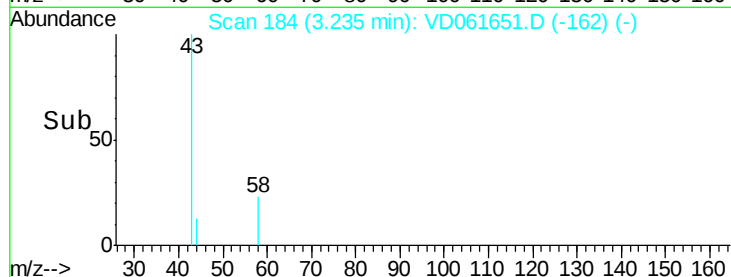
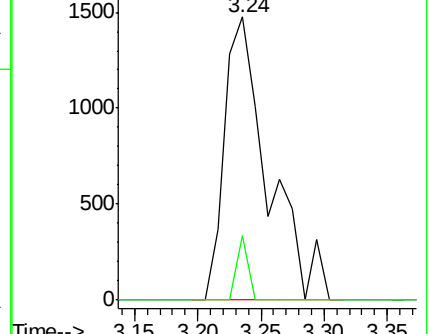
43 100

58 22.8 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 7.837 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD061651.D

Acq: 8 Apr 2019 15:17

Tgt Ion: 84 Resp: 40840

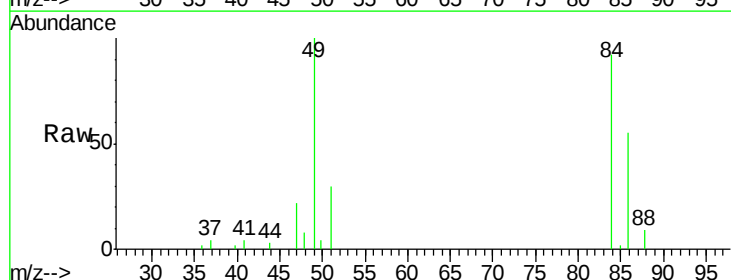
Ion Ratio Lower Upper

84 100

49 108.8 93.0 139.4

51 32.3 30.4 45.6

86 59.4 51.0 76.4

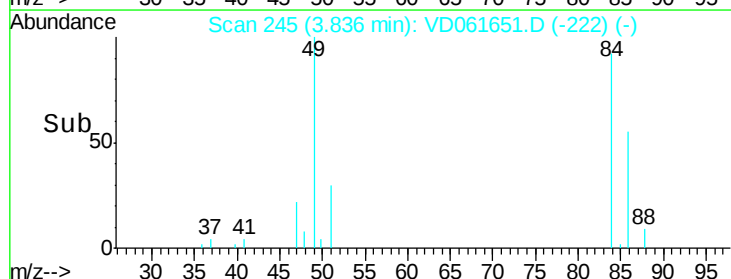
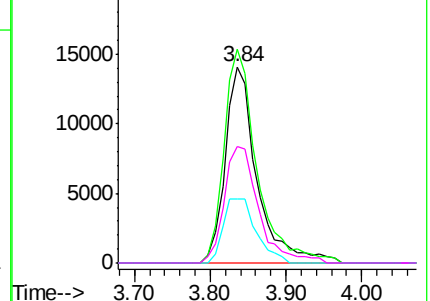


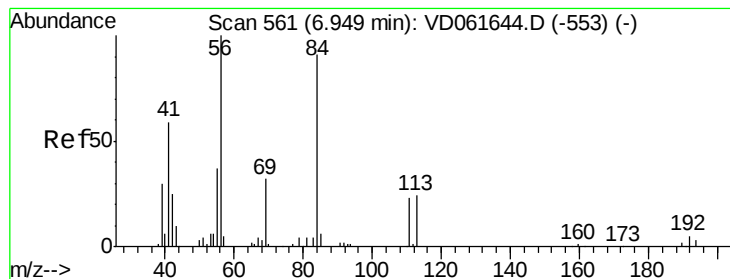
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

Cyclohexane

Concen: 1.189 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.12 min

Lab File: VD061651.D

Acq: 8 Apr 2019 15:17

Instrument :
MSVOA_D
ClientSampled :

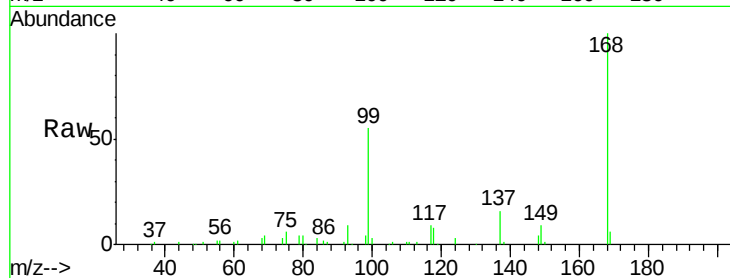
Tot Ion: 56 Resp: 6877

Ion Ratio Lower Upper

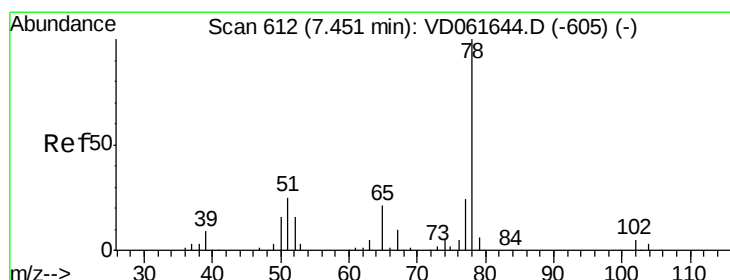
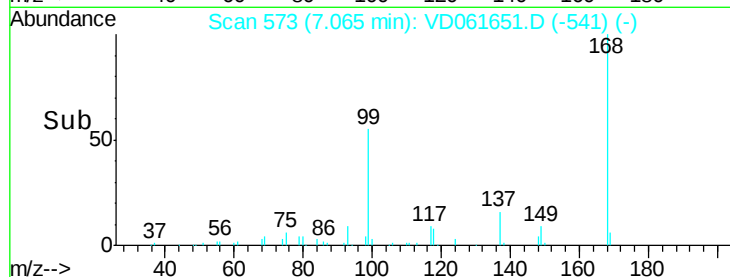
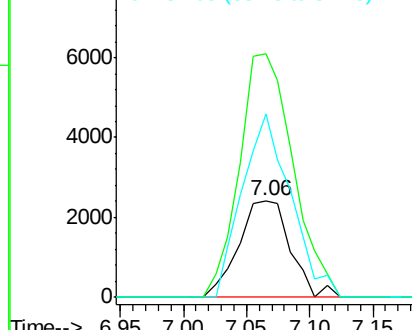
56 100

69 252.5 25.8 38.6#

84 189.8 74.2 111.2#



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. 0.03 min

Lab File: VD061651.D

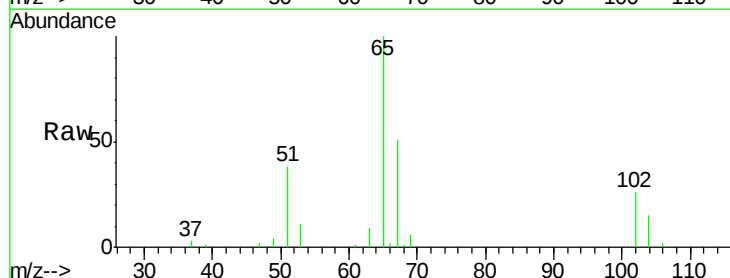
Acq: 8 Apr 2019 15:17

Tgt Ion: 65 Resp: 162538

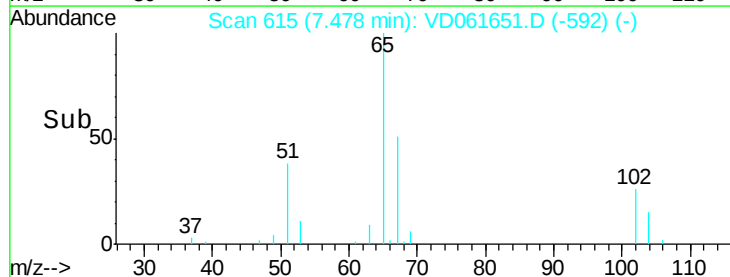
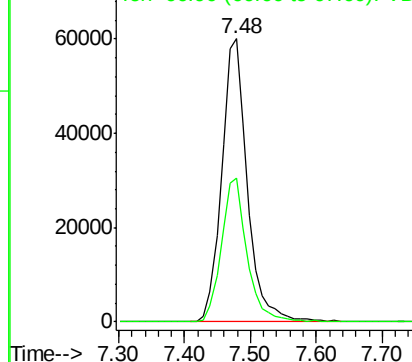
Ion Ratio Lower Upper

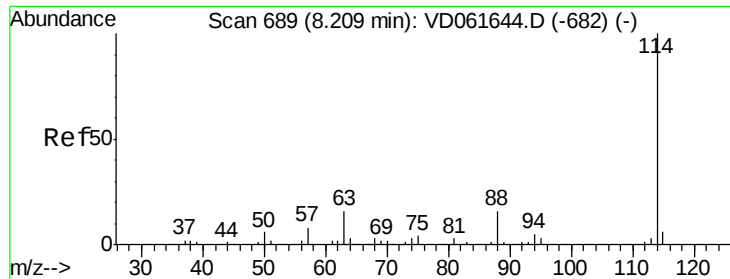
65 100

67 50.6 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

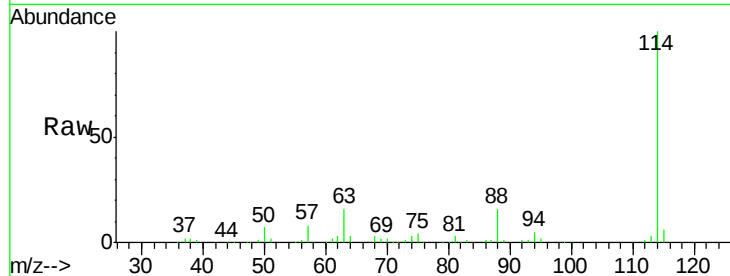




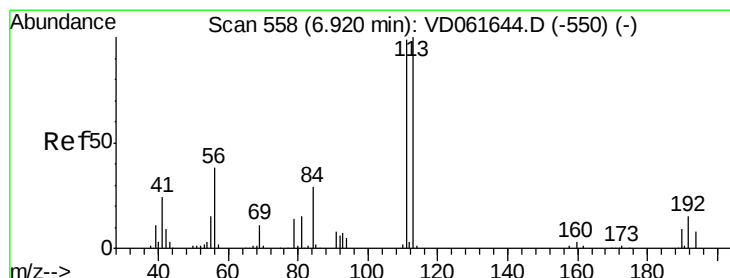
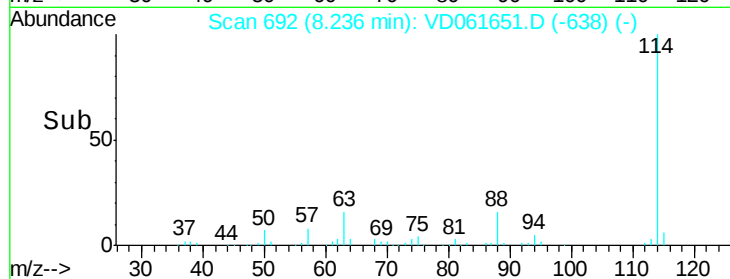
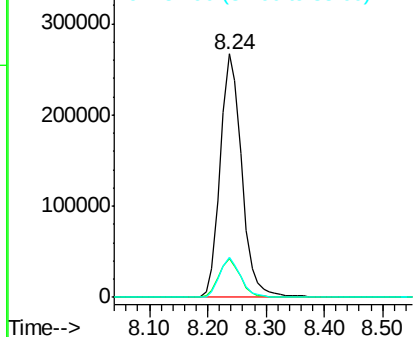
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD061651.D
 Acq: 8 Apr 2019 15:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 688383
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 31.2
 88 16.3 0.0 31.8

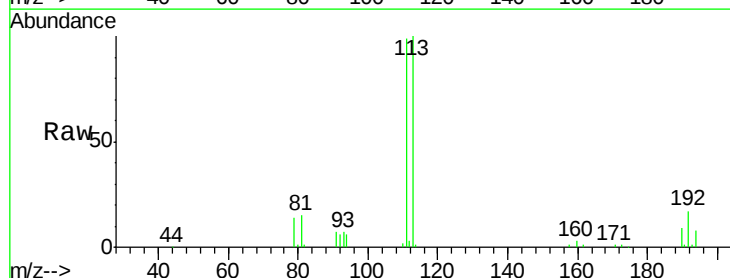


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

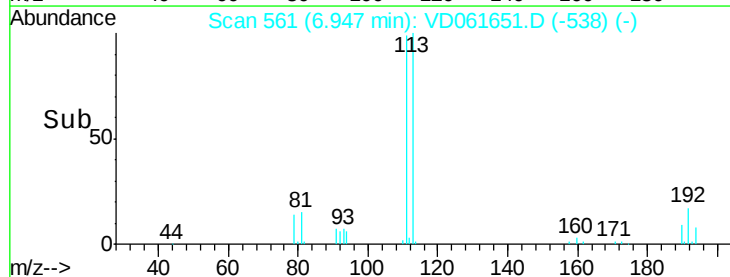
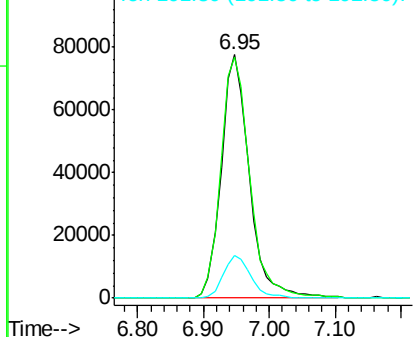


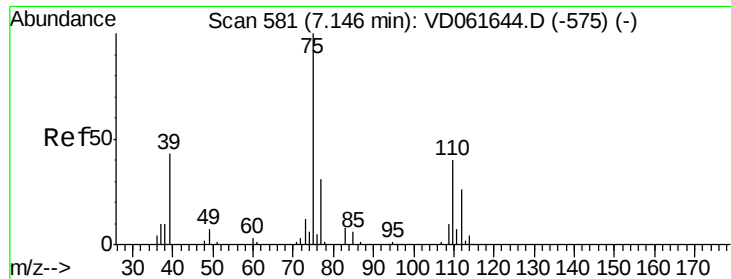
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.03 min
 Lab File: VD061651.D
 Acq: 8 Apr 2019 15:17

Tgt Ion:113 Resp: 231422
 Ion Ratio Lower Upper
 113 100
 111 99.1 79.3 118.9
 192 17.5 12.3 18.5



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

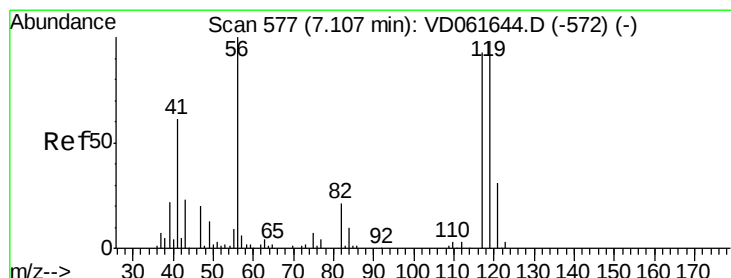
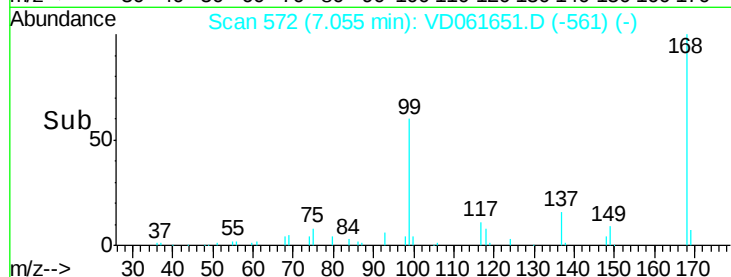
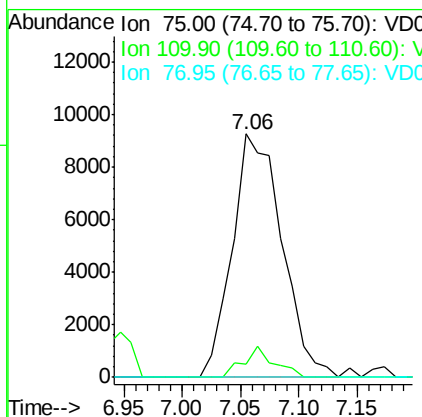
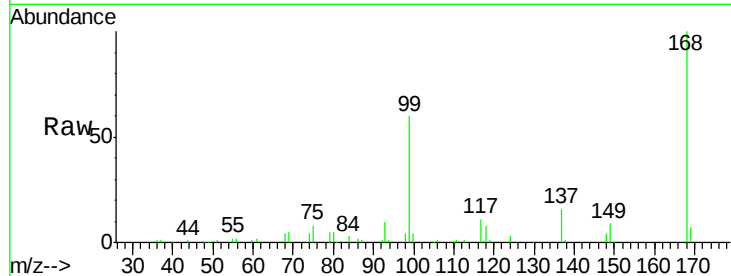




#36
 1,1-Dichloropropene
 Concen: 4.535 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD061651.D
 Acq: 8 Apr 2019 15:17

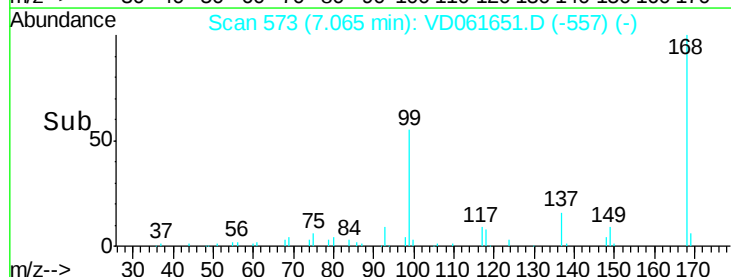
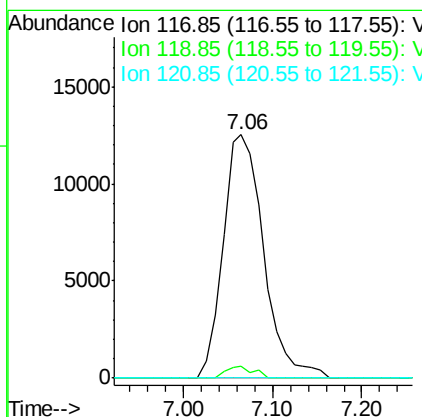
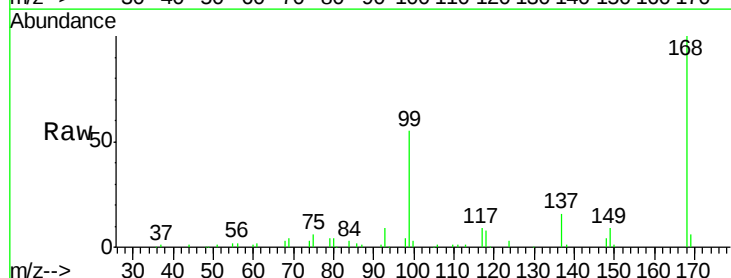
Instrument :
 MSVOA_D
 ClientSampleId :

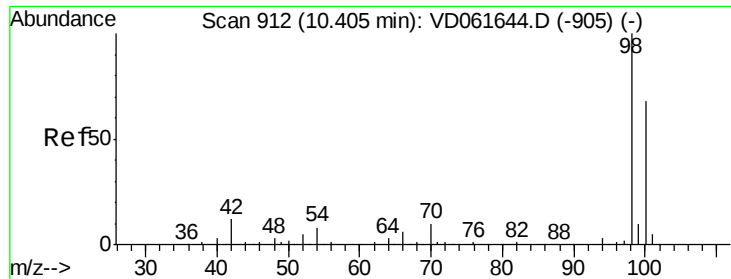
Tot Ion: 75 Resp: 27320
 Ion Ratio Lower Upper
 75 100
 110 5.2 19.7 59.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.626 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.04 min
 Lab File: VD061651.D
 Acq: 8 Apr 2019 15:17

Tgt Ion: 117 Resp: 39721
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.9 116.9#
 121 0.0 24.7 37.1#

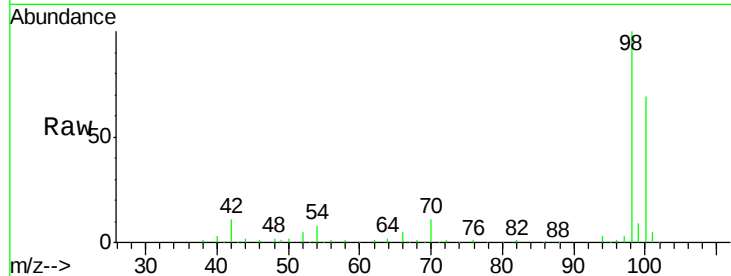




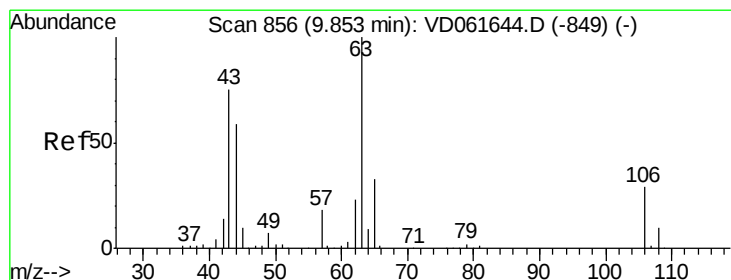
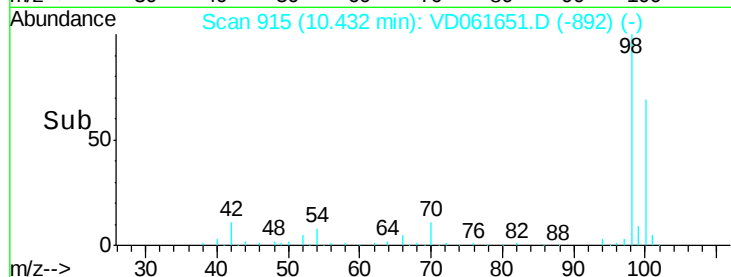
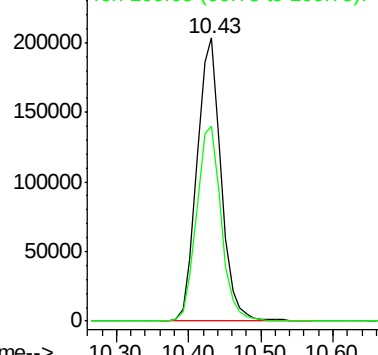
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061651.D
Acq: 8 Apr 2019 15:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 469805
Ion Ratio Lower Upper
98 100
100 69.1 55.4 83.0

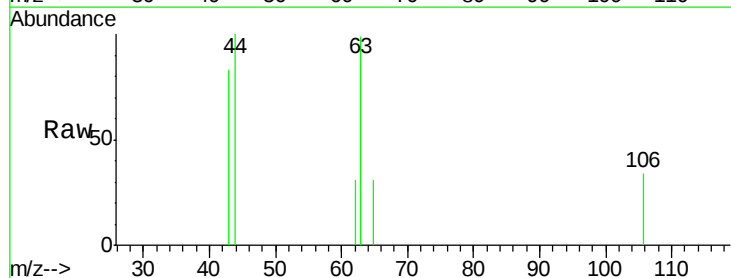


Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD061644.D (-905) (-)

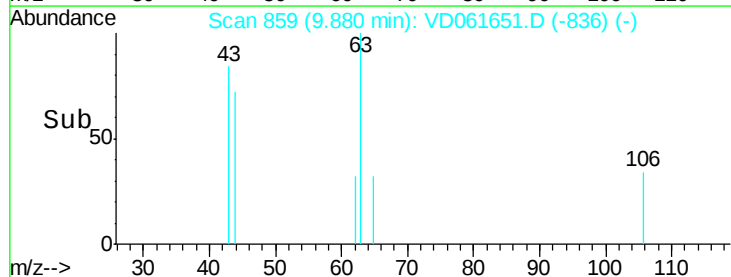
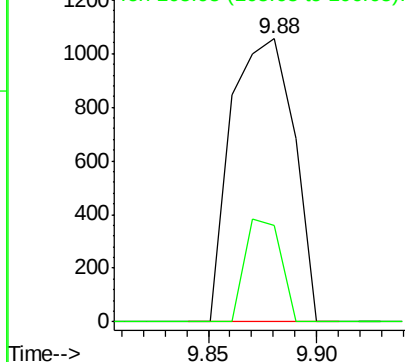


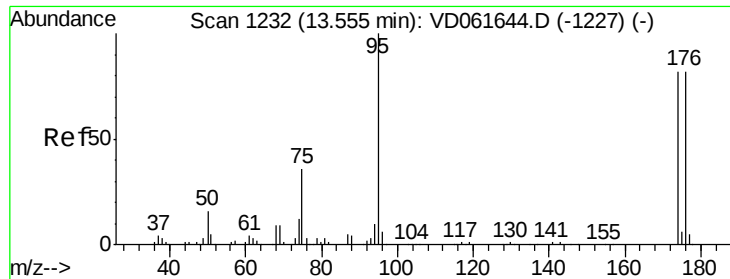
#58
2-Chloroethyl Vinyl ether
Concen: 1.389 ug/l
RT: 9.88 min Scan# 859
Delta R.T. 0.03 min
Lab File: VD061651.D
Acq: 8 Apr 2019 15:17

Tgt Ion: 63 Resp: 2117
Ion Ratio Lower Upper
63 100
106 34.1 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VD061644.D (-849) (-)
Ion 105.95 (105.65 to 106.65): VD061644.D (-849) (-)

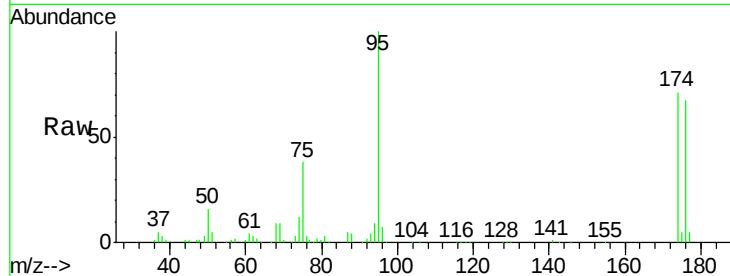




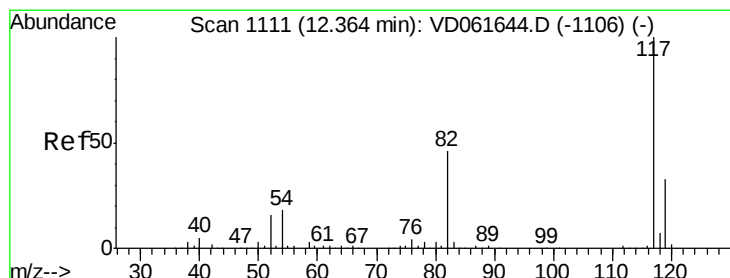
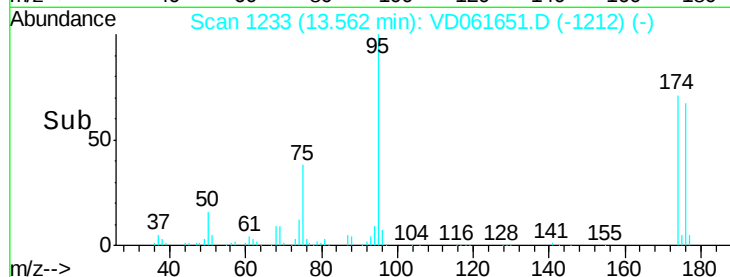
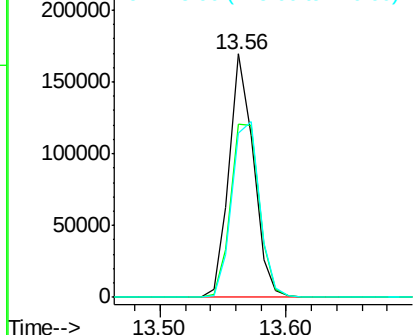
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061651.D
Acq: 8 Apr 2019 15:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 225874
Ion Ratio Lower Upper
95 100
174 71.3 0.0 164.6
176 67.5 0.0 165.0

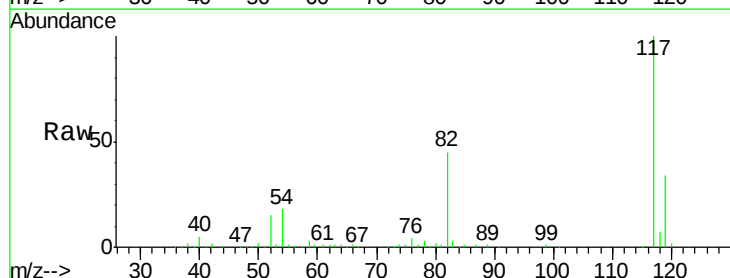


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

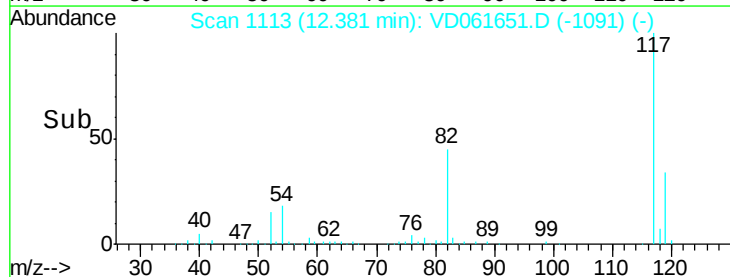
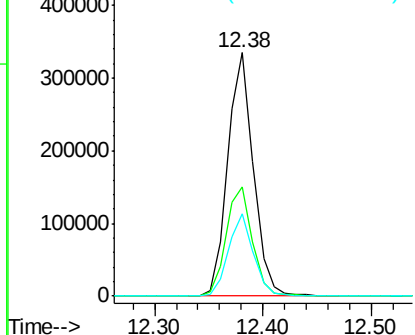


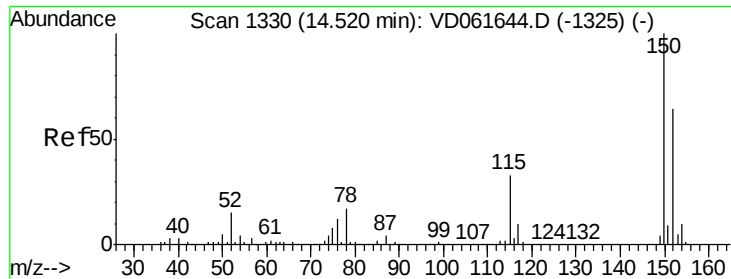
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061651.D
Acq: 8 Apr 2019 15:17

Tgt Ion: 117 Resp: 552976
Ion Ratio Lower Upper
117 100
82 44.6 36.8 55.2
119 33.6 26.1 39.1



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: VD061651.D

Acq: 8 Apr 2019 15:17

Instrument :

MSVOA_D

ClientSampleId :

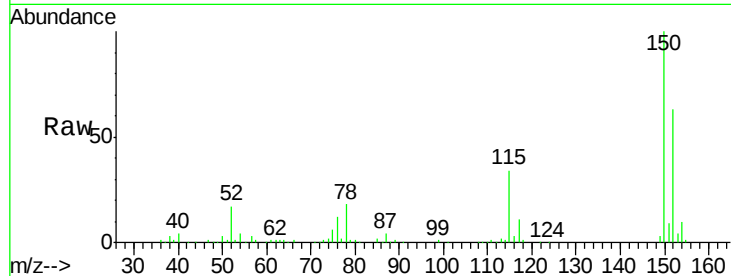
Tot Ion:152 Resp: 246013

Ion Ratio Lower Upper

152 100

115 54.6 26.4 79.2

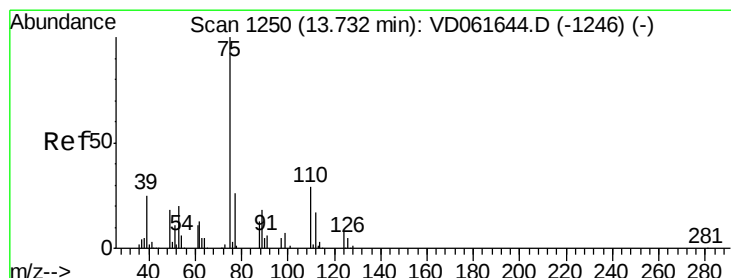
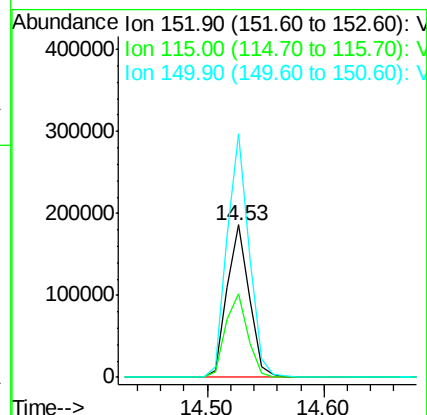
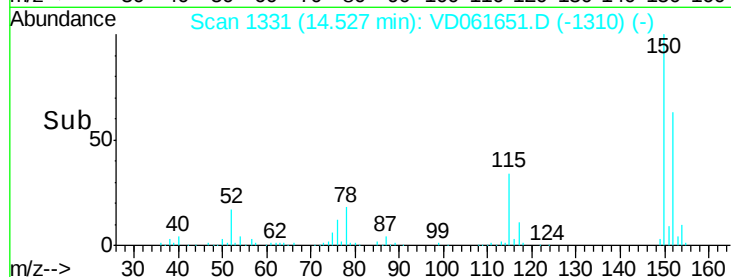
150 159.8 0.0 320.6



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: 19.802 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061651.D

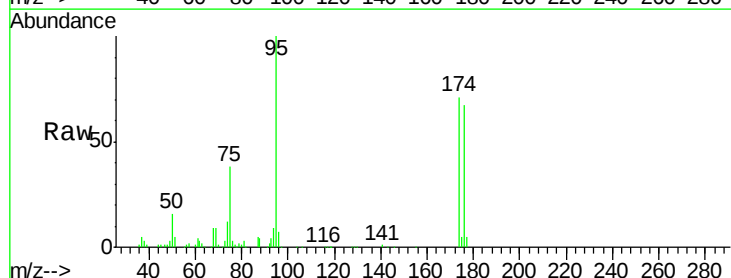
Acq: 8 Apr 2019 15:17

Tgt Ion: 75 Resp: 66278

Ion Ratio Lower Upper

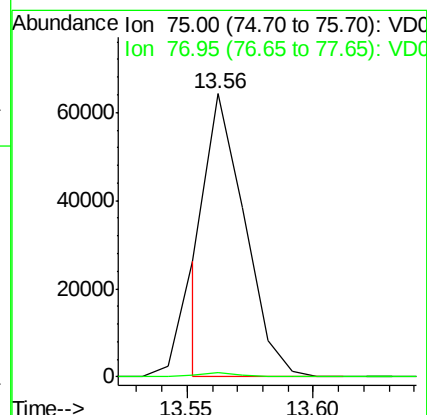
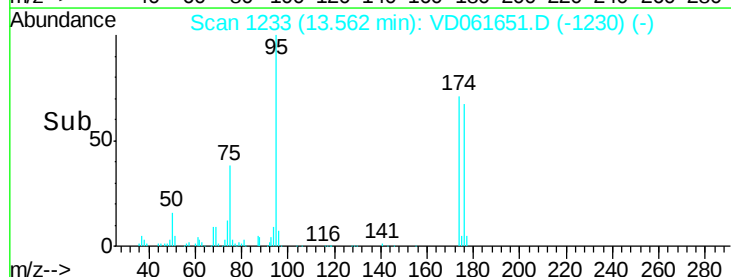
75 100

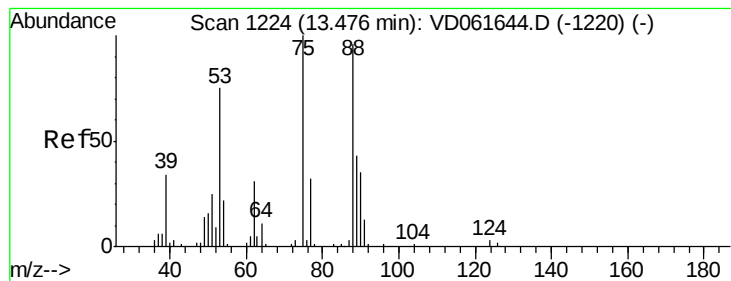
77 1.6 15.7 47.1#



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: 82.002 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061651.D

Acq: 8 Apr 2019 15:17

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 83286

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#

