

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061583.D
 Acq On : 4 Apr 2019 17:12
 Operator : VA/AP
 Sample : K2203-03RE
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 01:11:33 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	7.02	168	478217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	769726	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.35	117	581691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	212233	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	179882	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	
35) Dibromofluoromethane	6.90	113	298277	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
50) Toluene-d8	10.40	98	559676	39.67	ug/l	0.01
Spiked Amount			Recovery	=	79.34%	
62) 4-Bromofluorobenzene	13.55	95	204306	37.76	ug/l	0.00
Spiked Amount			Recovery	=	75.52%	

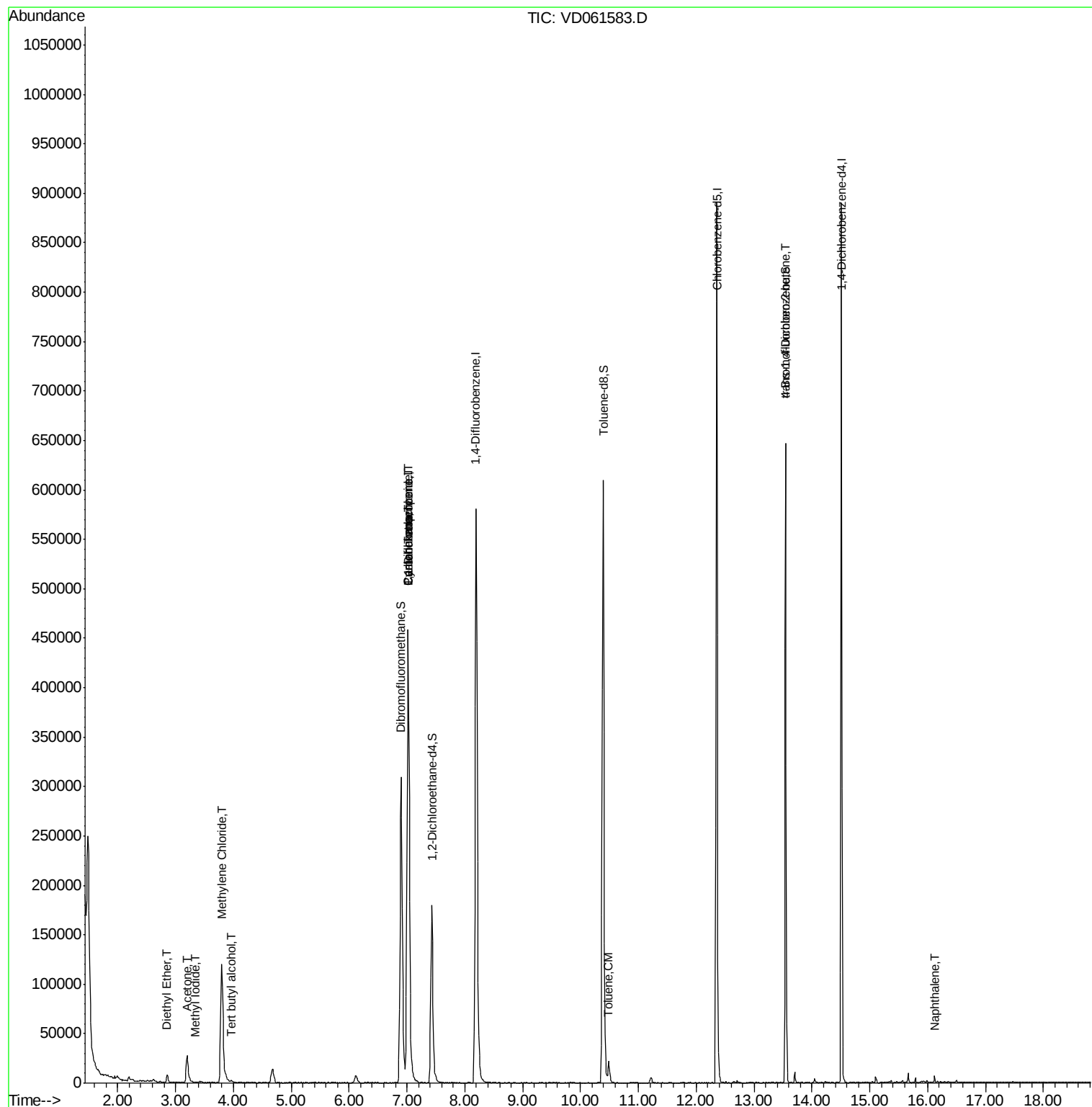
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.85	74	2575	1.438	ug/l	85
10) Methyl Iodide	3.34	142	232	3.490	ug/l #	38
11) Tert butyl alcohol	3.96	59	1093	4.296	ug/l #	76
16) Acetone	3.20	43	55479	52.830	ug/l	93
20) Methylene Chloride	3.80	84	94689	14.742	ug/l	96
31) Cyclohexane	7.02	56	8156	1.159	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	32381	4.820	ug/l #	44
38) Carbon Tetrachloride	7.02	117	43875	5.684	ug/l #	14
52) Toluene	10.48	92	11701	1.138	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.55	75	75907	81.205	ug/l #	18
95) Naphthalene	16.11	128	5190	1.229	ug/l #	94

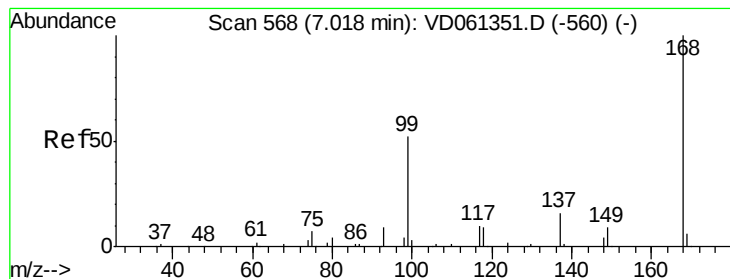
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Apr 05 01:11:33 2019
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

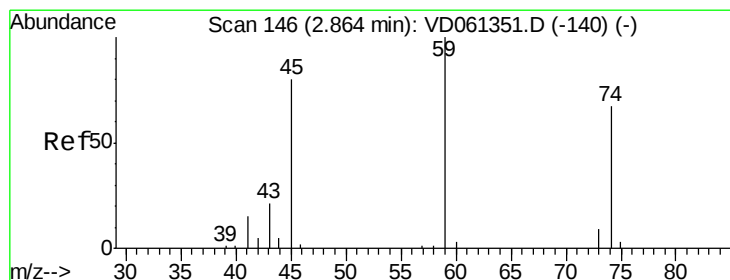
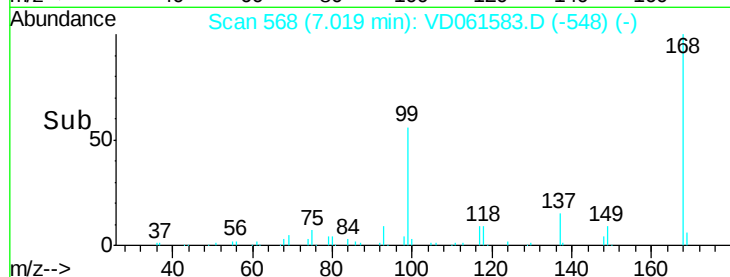
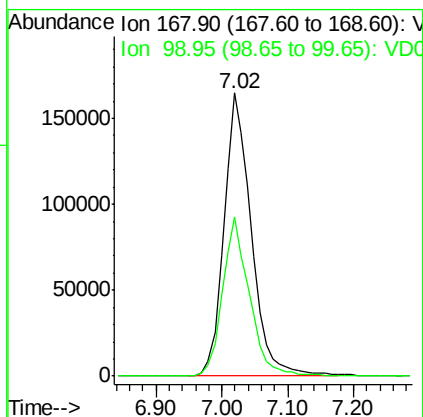
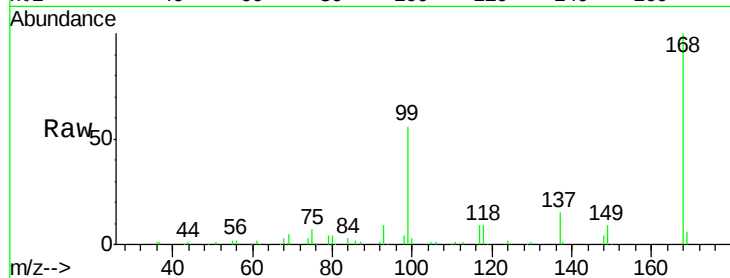




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.00 min
Lab File: VD061583.D
Acq: 4 Apr 2019 17:12

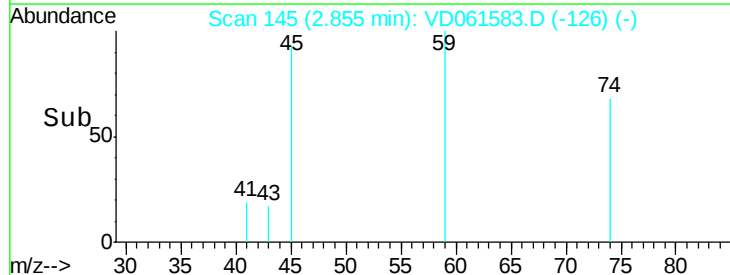
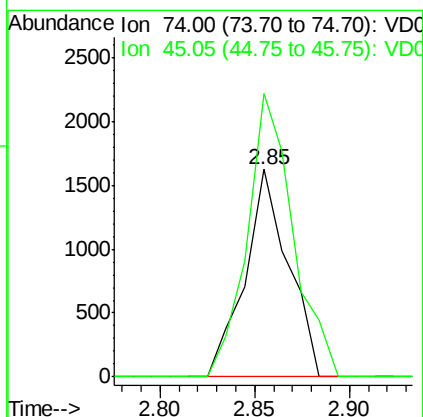
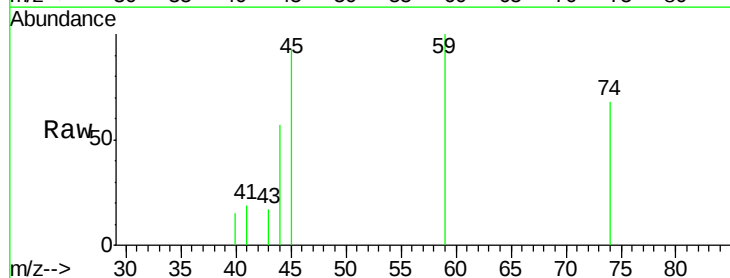
Instrument :
MSVOA_D
ClientSampleId :

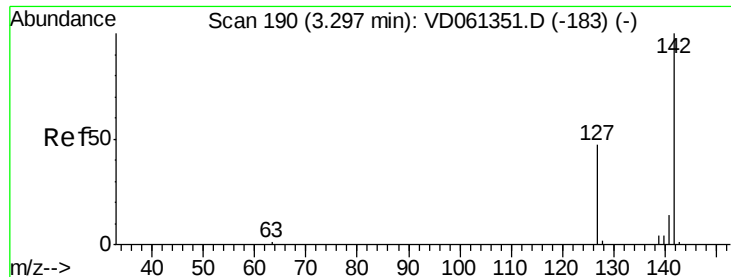
Tot Ion:168 Resp: 478217
Ion Ratio Lower Upper
168 100
99 56.3 43.1 64.7



#8
Diethyl Ether
Concen: 1.438 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.01 min
Lab File: VD061583.D
Acq: 4 Apr 2019 17:12

Tgt Ion: 74 Resp: 2575
Ion Ratio Lower Upper
74 100
45 136.3 59.7 179.1

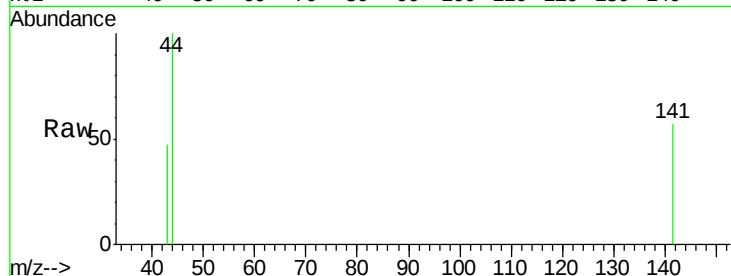




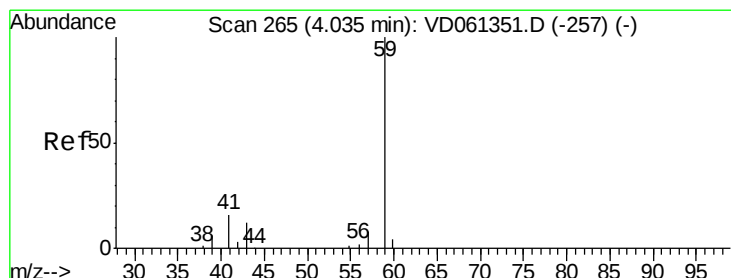
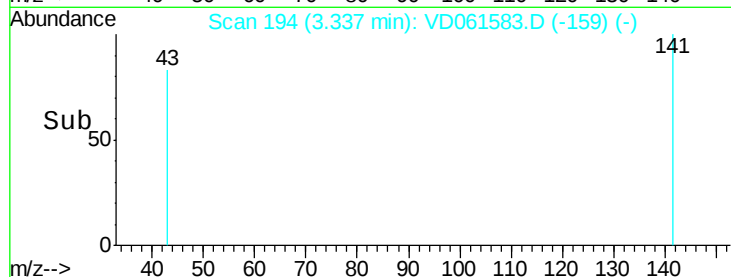
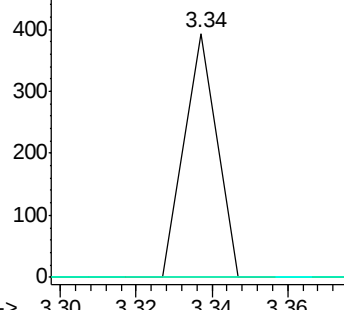
#10
Methyl Iodide
Concen: 3.490 ug/l
RT: 3.34 min Scan# 194
Delta R.T. 0.04 min
Lab File: VD061583.D
Acq: 4 Apr 2019 17:12

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:142 Resp: 232
Ion Ratio Lower Upper
142 100
127 0.0 37.7 56.5#
141 0.0 11.5 17.3#

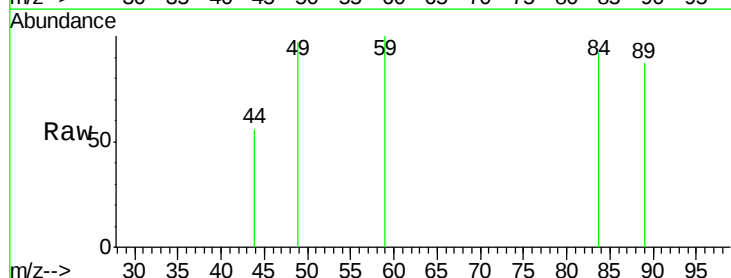


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

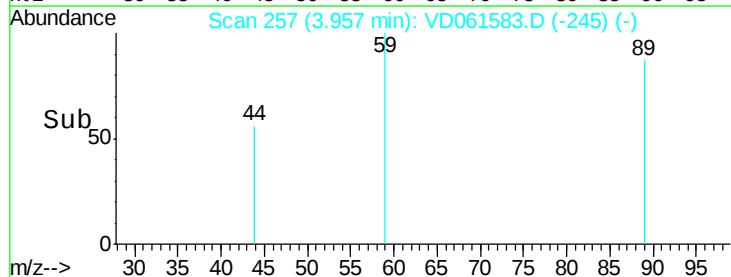
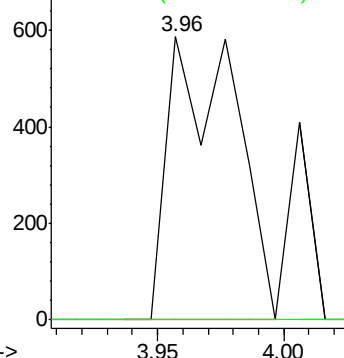


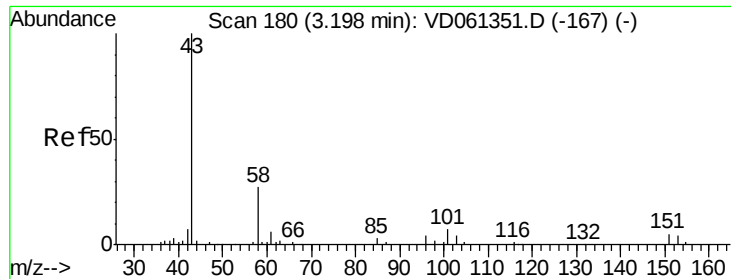
#11
Tert butyl alcohol
Concen: 4.296 ug/l
RT: 3.96 min Scan# 257
Delta R.T. -0.08 min
Lab File: VD061583.D
Acq: 4 Apr 2019 17:12

Tgt Ion: 59 Resp: 1093
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): V
Ion 56.95 (56.65 to 57.65): V





#16

Acetone

Concen: 52.830 ug/l

RT: 3.20 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD061583.D

Acq: 4 Apr 2019 17:12

Instrument :

MSVOA_D

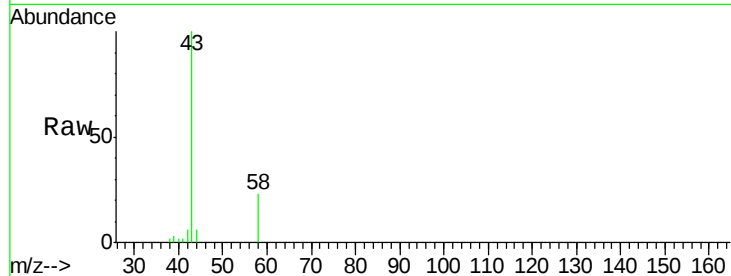
ClientSampleId :

Tot Ion: 43 Resp: 55479

Ion Ratio Lower Upper

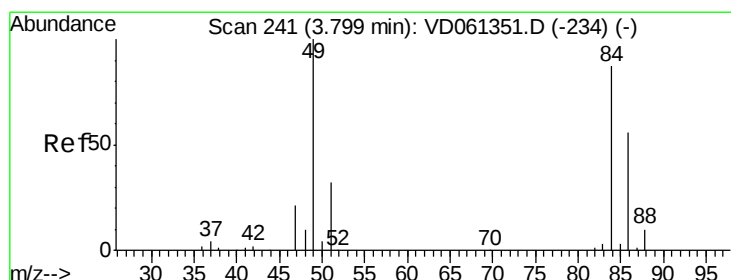
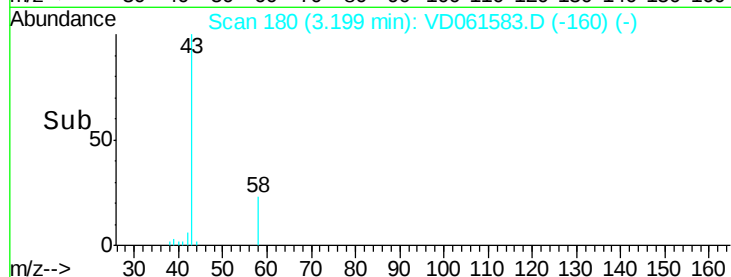
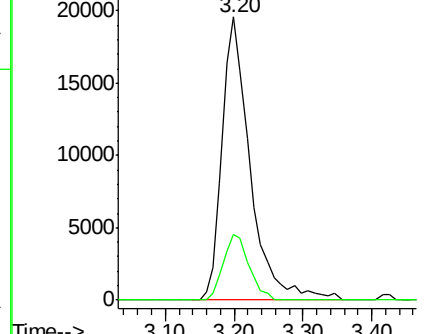
43 100

58 23.2 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 14.742 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD061583.D

Acq: 4 Apr 2019 17:12

Tgt Ion: 84 Resp: 94689

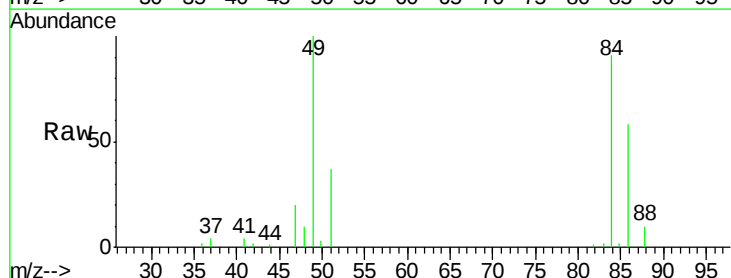
Ion Ratio Lower Upper

84 100

49 110.1 91.8 137.8

51 41.0 29.8 44.8

86 63.4 51.8 77.6

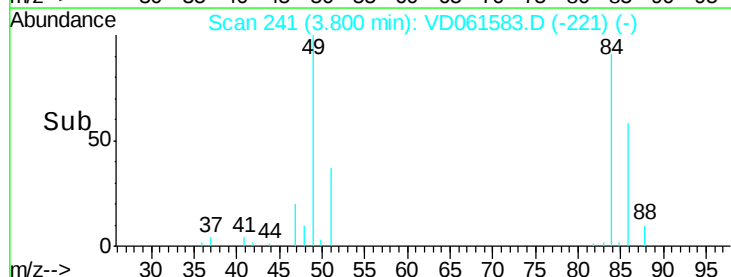
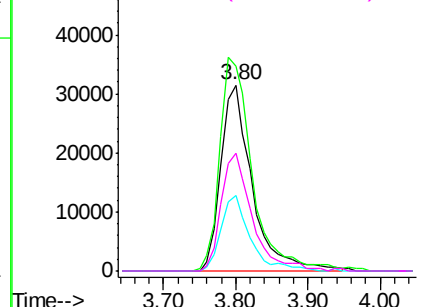


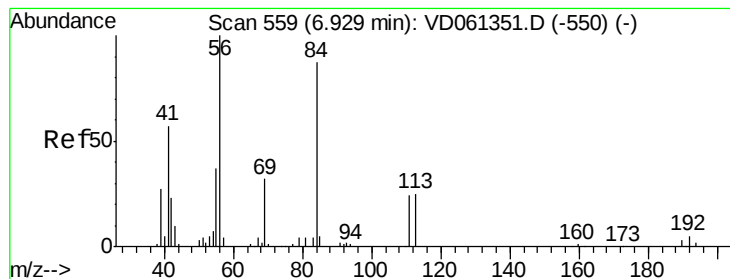
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: 1.159 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.09 min

Lab File: VD061583.D

Acq: 4 Apr 2019 17:12

Instrument :
MSVOA_D
ClientSampled :

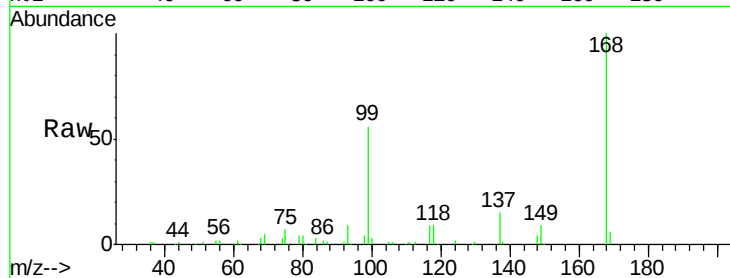
Tot Ion: 56 Resp: 8156

Ion Ratio Lower Upper

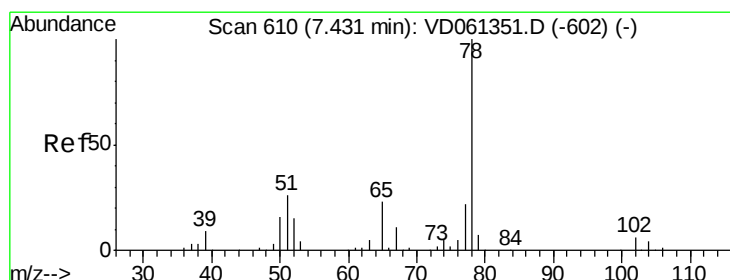
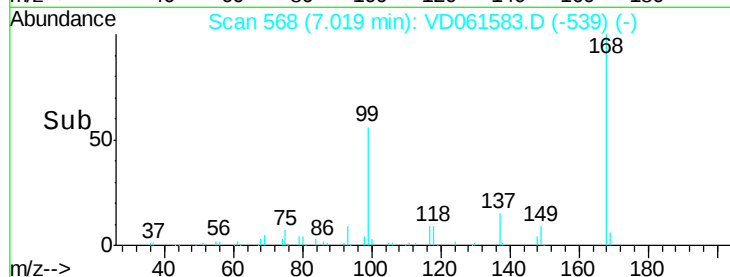
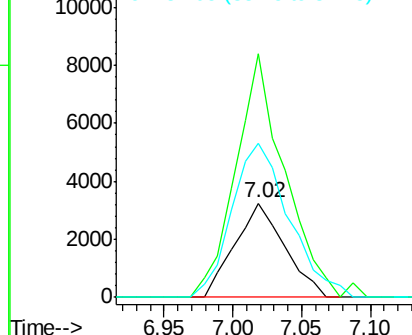
56 100

69 257.7 25.7 38.5#

84 163.5 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: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061583.D

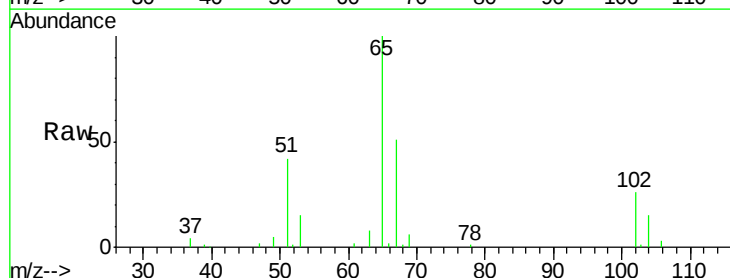
Acq: 4 Apr 2019 17:12

Tgt Ion: 65 Resp: 179882

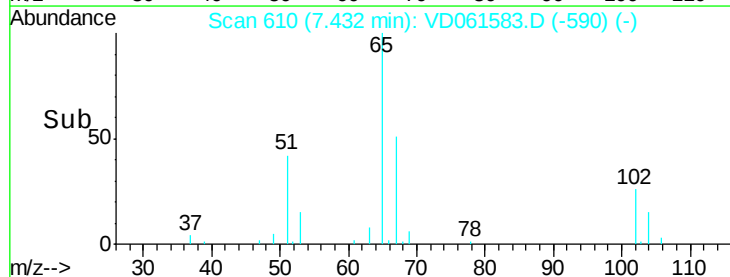
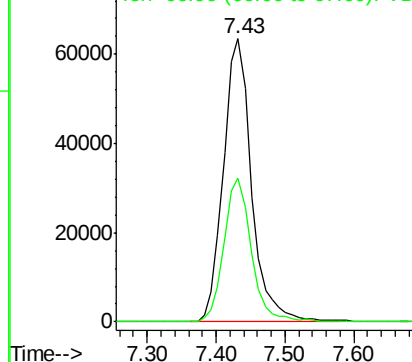
Ion Ratio Lower Upper

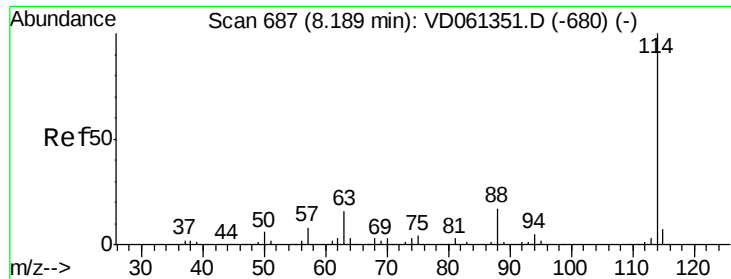
65 100

67 50.8 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: 8.20 min Scan# 688

Delta R.T. 0.01 min

Lab File: VD061583.D

Acq: 4 Apr 2019 17:12

Instrument :
MSVOA_D
ClientSampleId :

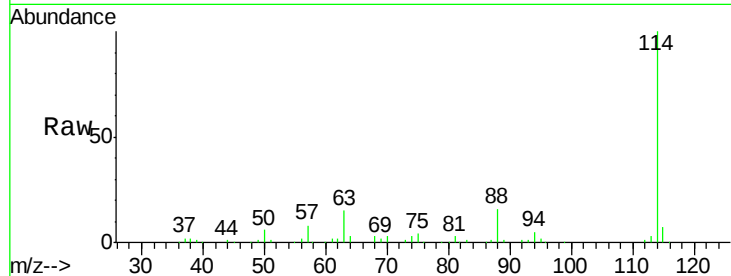
Tot Ion:114 Resp: 769726

Ion Ratio Lower Upper

114 100

63 15.3 0.0 31.6

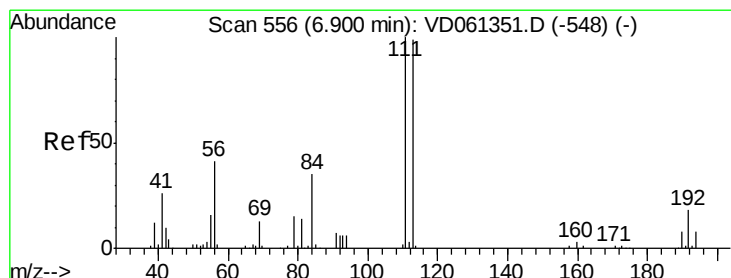
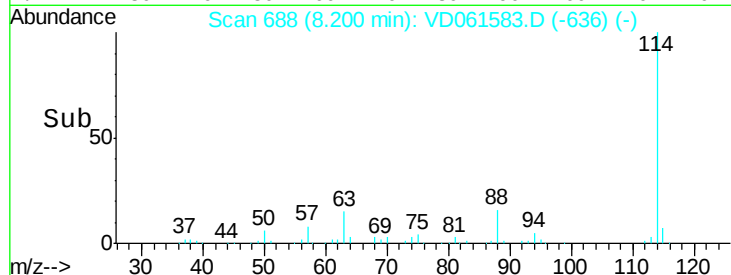
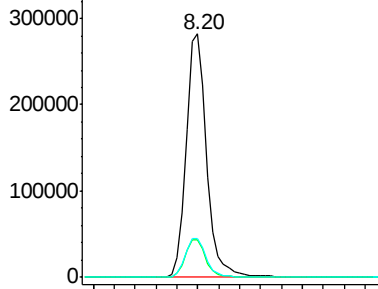
88 15.8 0.0 33.4



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: 6.90 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD061583.D

Acq: 4 Apr 2019 17:12

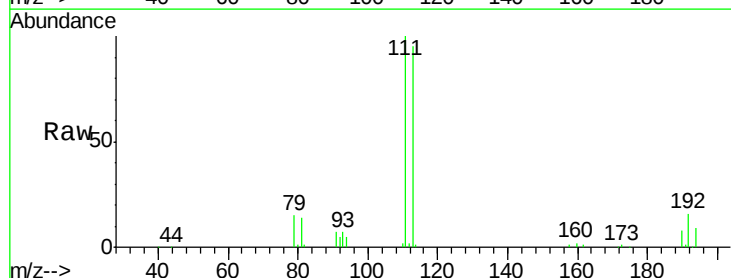
Tgt Ion:113 Resp: 298277

Ion Ratio Lower Upper

113 100

111 105.3 81.0 121.6

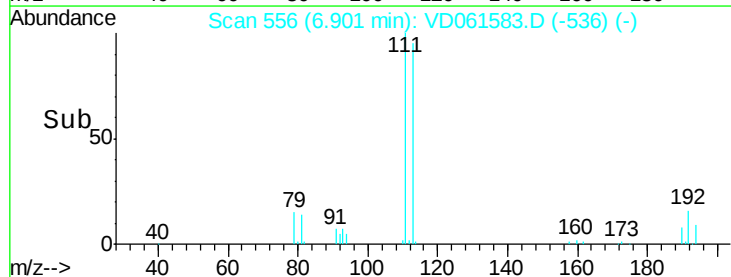
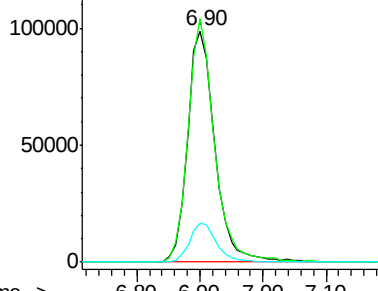
192 16.7 14.4 21.6

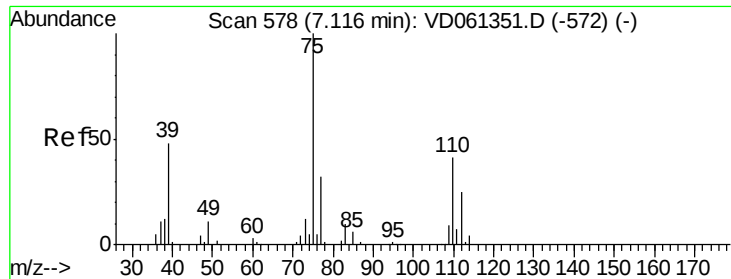


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

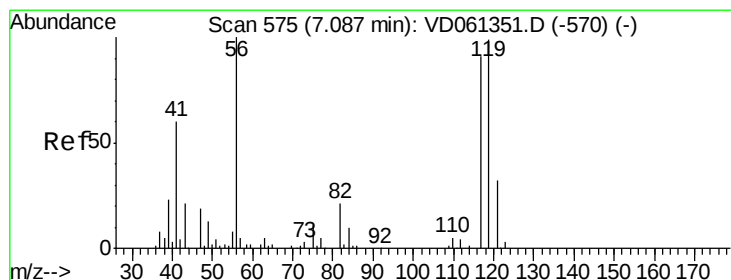
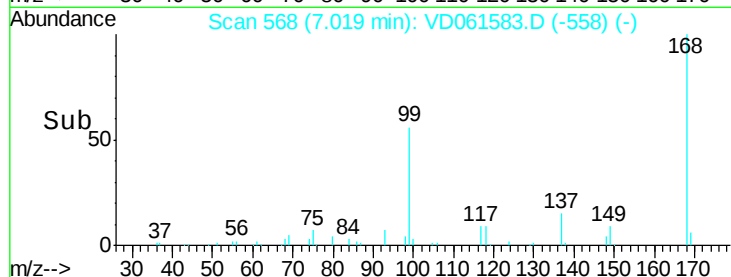
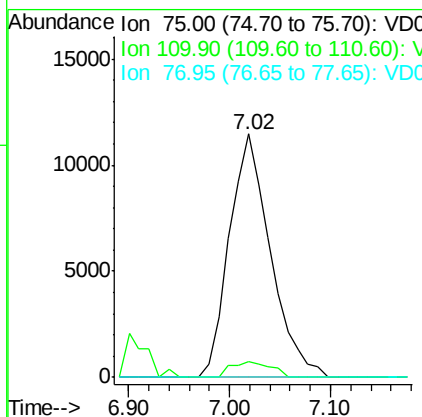
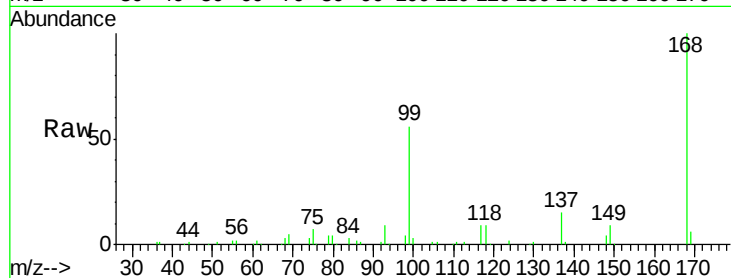




#36
 1,1-Dichloropropene
 Concen: 4.820 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.10 min
 Lab File: VD061583.D
 Acq: 4 Apr 2019 17:12

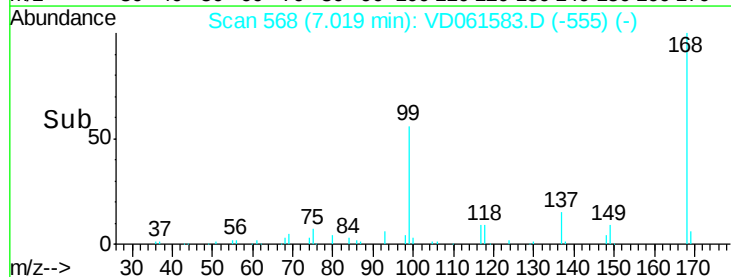
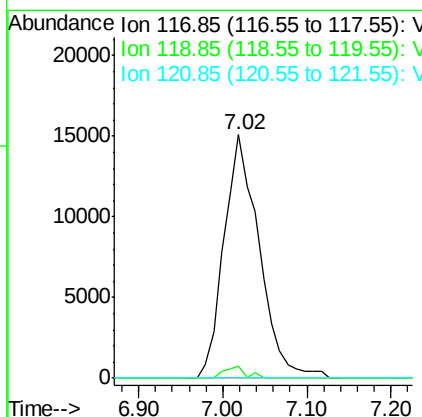
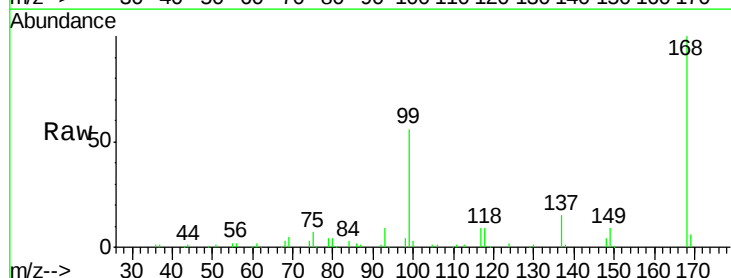
Instrument :
 MSVOA_D
 ClientSampleId :

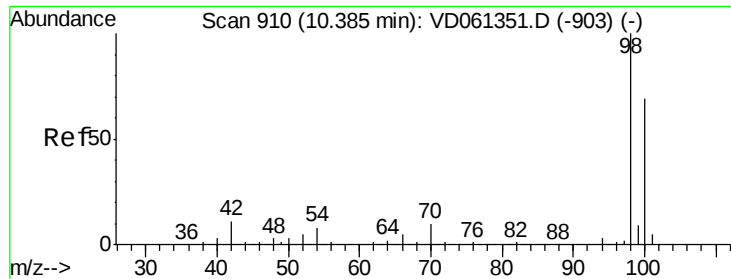
Tot Ion: 75 Resp: 32381
 Ion Ratio Lower Upper
 75 100
 110 6.7 20.4 61.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.684 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.07 min
 Lab File: VD061583.D
 Acq: 4 Apr 2019 17:12

Tgt Ion: 117 Resp: 43875
 Ion Ratio Lower Upper
 117 100
 119 5.2 80.1 120.1#
 121 0.0 25.6 38.4#

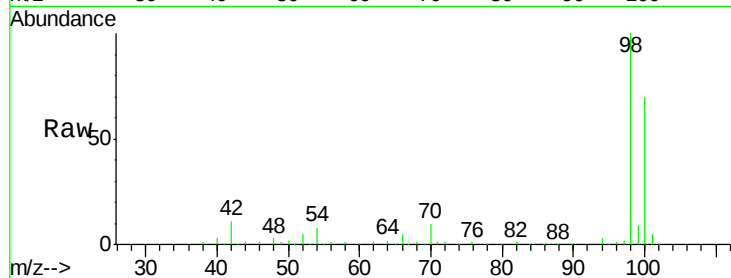




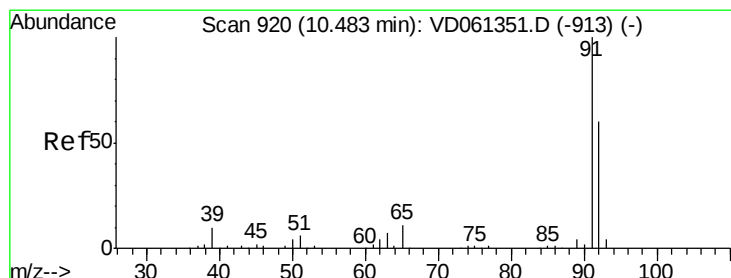
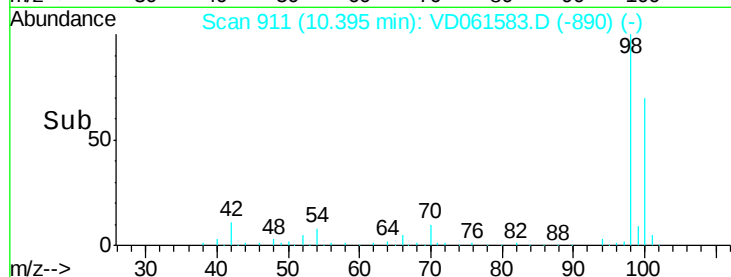
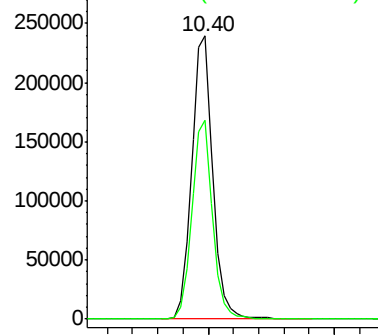
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD061583.D
Acq: 4 Apr 2019 17:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 559676
Ion Ratio Lower Upper
98 100
100 70.2 56.2 84.2

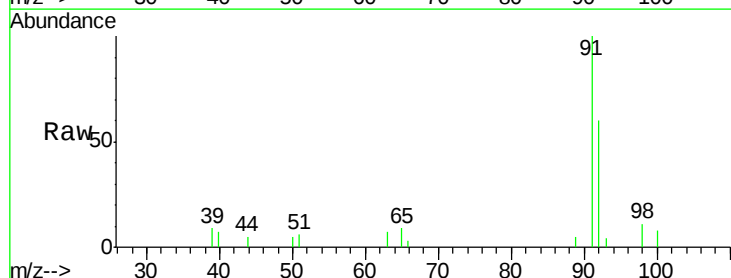


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

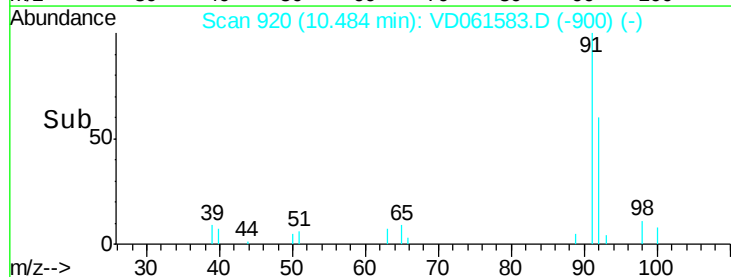
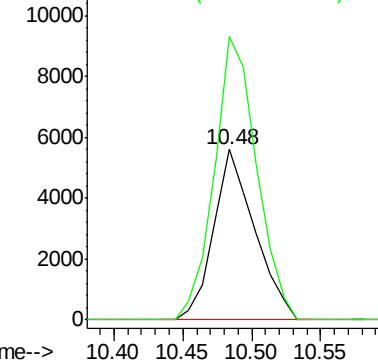


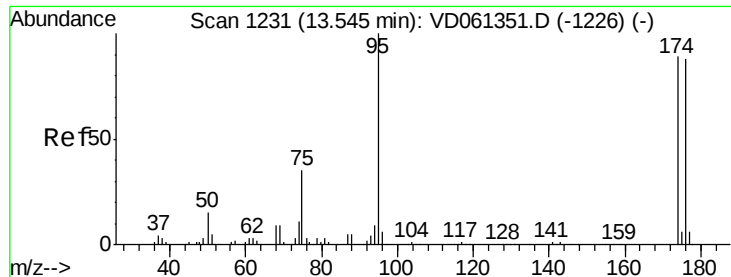
#52
Toluene
Concen: 1.138 ug/l
RT: 10.48 min Scan# 920
Delta R.T. 0.00 min
Lab File: VD061583.D
Acq: 4 Apr 2019 17:12

Tgt Ion: 92 Resp: 11701
Ion Ratio Lower Upper
92 100
91 166.1 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

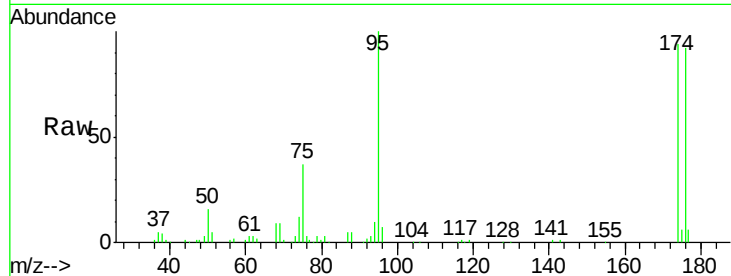




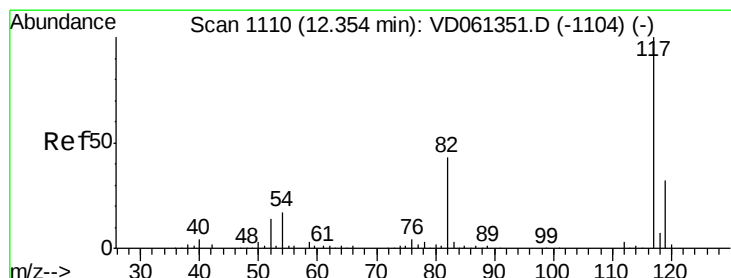
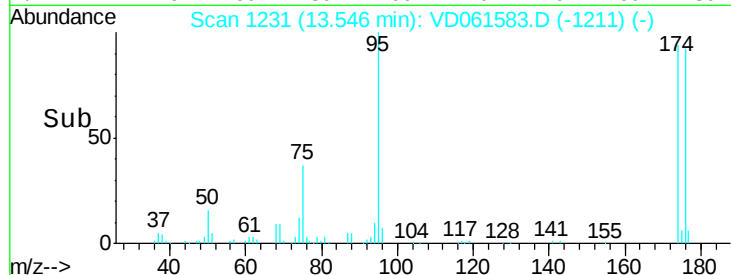
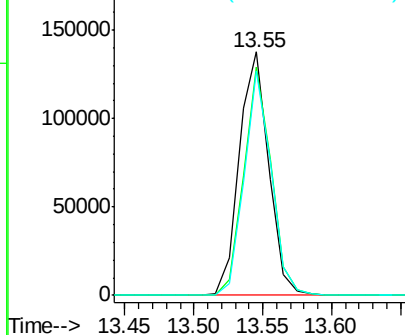
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD061583.D
Acq: 4 Apr 2019 17:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 204306
Ion Ratio Lower Upper
95 100
174 93.6 0.0 178.0
176 92.3 0.0 175.0

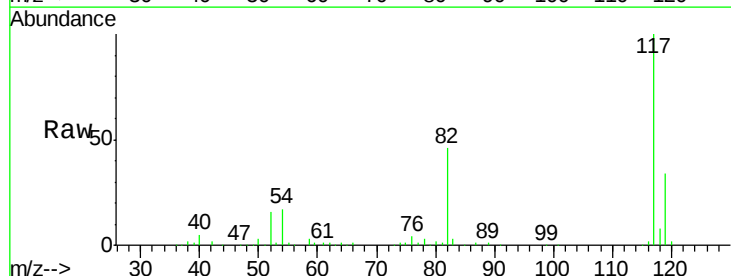


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

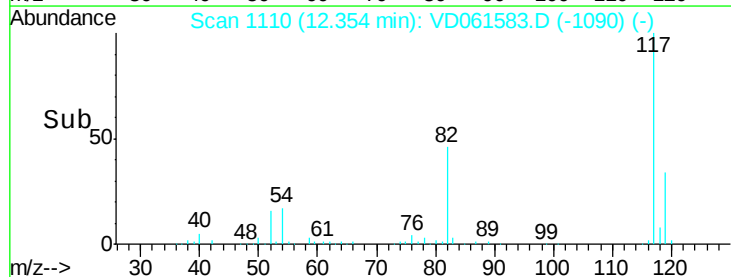
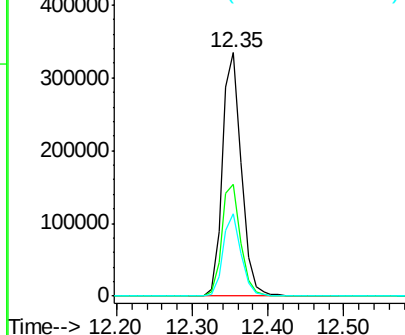


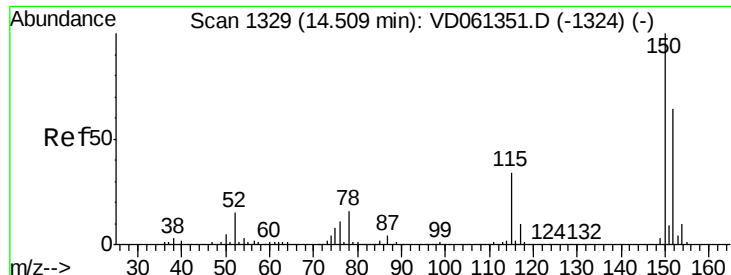
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD061583.D
Acq: 4 Apr 2019 17:12

Tgt Ion: 117 Resp: 581691
Ion Ratio Lower Upper
117 100
82 45.8 34.4 51.6
119 33.6 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: 14.51 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VD061583.D

Acq: 4 Apr 2019 17:12

Instrument :

MSVOA_D

ClientSampleId :

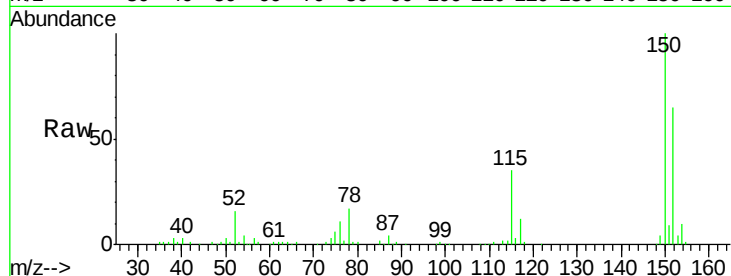
Tot Ion:152 Resp: 212233

Ion Ratio Lower Upper

152 100

115 53.2 26.9 80.6

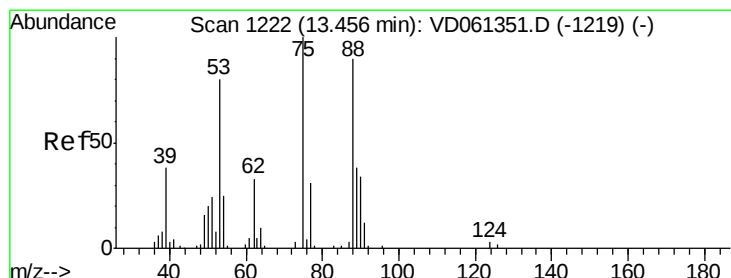
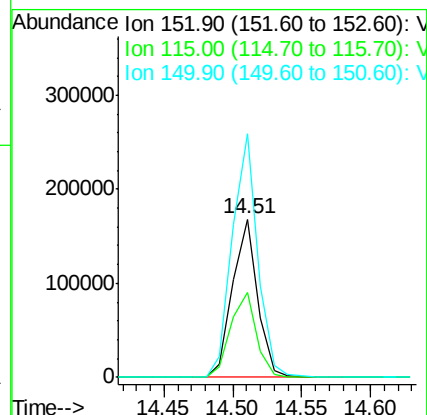
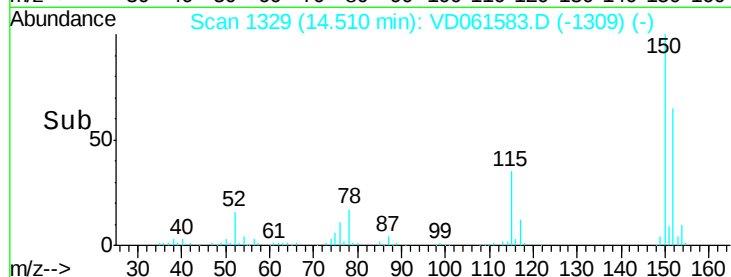
150 153.6 0.0 318.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 81.205 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.09 min

Lab File: VD061583.D

Acq: 4 Apr 2019 17:12

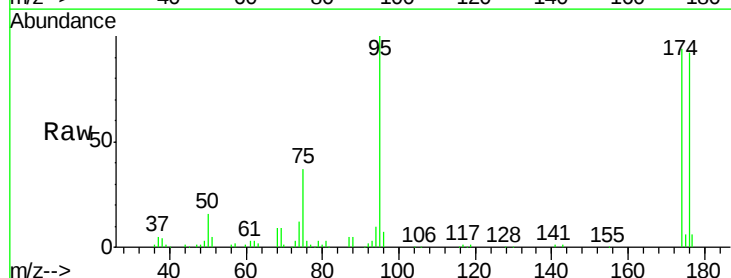
Tgt Ion: 75 Resp: 75907

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

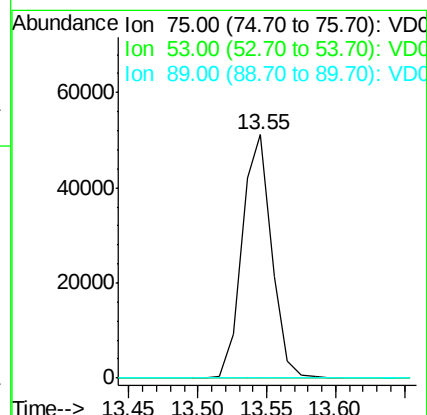
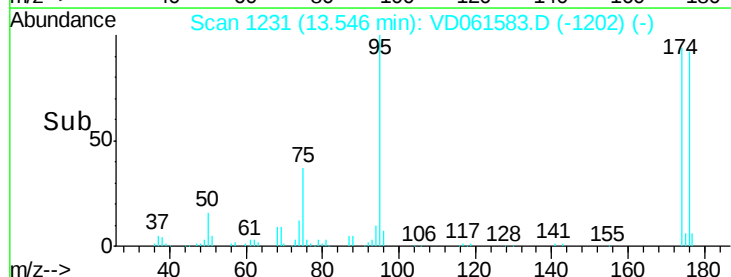
89 0.0 30.5 45.7#

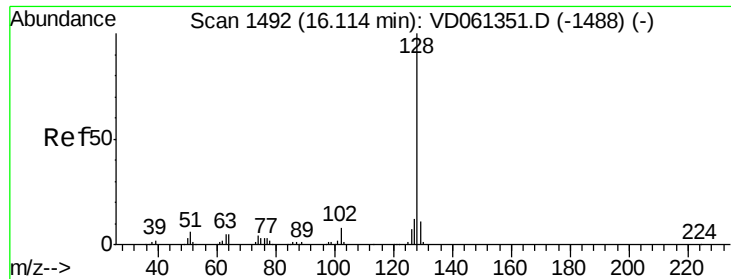


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95
Naphthalene
Concen: 1.229 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VD061583.D
Acq: 4 Apr 2019 17:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 5190
Ion Ratio Lower Upper
128 100
127 13.2 9.9 14.9
129 7.0 8.9 13.3#

