

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061541.D
 Acq On : 3 Apr 2019 6:24
 Operator : VA/AP
 Sample : K2190-01
 Misc : 5.18g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VN-SP-1

Quant Time: Apr 03 08:39:05 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	7.06	168	93948	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	202759	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	188476	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	72185	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	91915	114.53	ug/l	0.04
Spiked Amount			Recovery	=	229.06%	
35) Dibromofluoromethane	6.94	113	101659	65.61	ug/l	0.04
Spiked Amount			Recovery	=	131.22%	
50) Toluene-d8	10.42	98	167080	44.96	ug/l	0.03
Spiked Amount			Recovery	=	89.92%	
62) 4-Bromofluorobenzene	13.56	95	72338	50.76	ug/l	0.01
Spiked Amount			Recovery	=	101.52%	

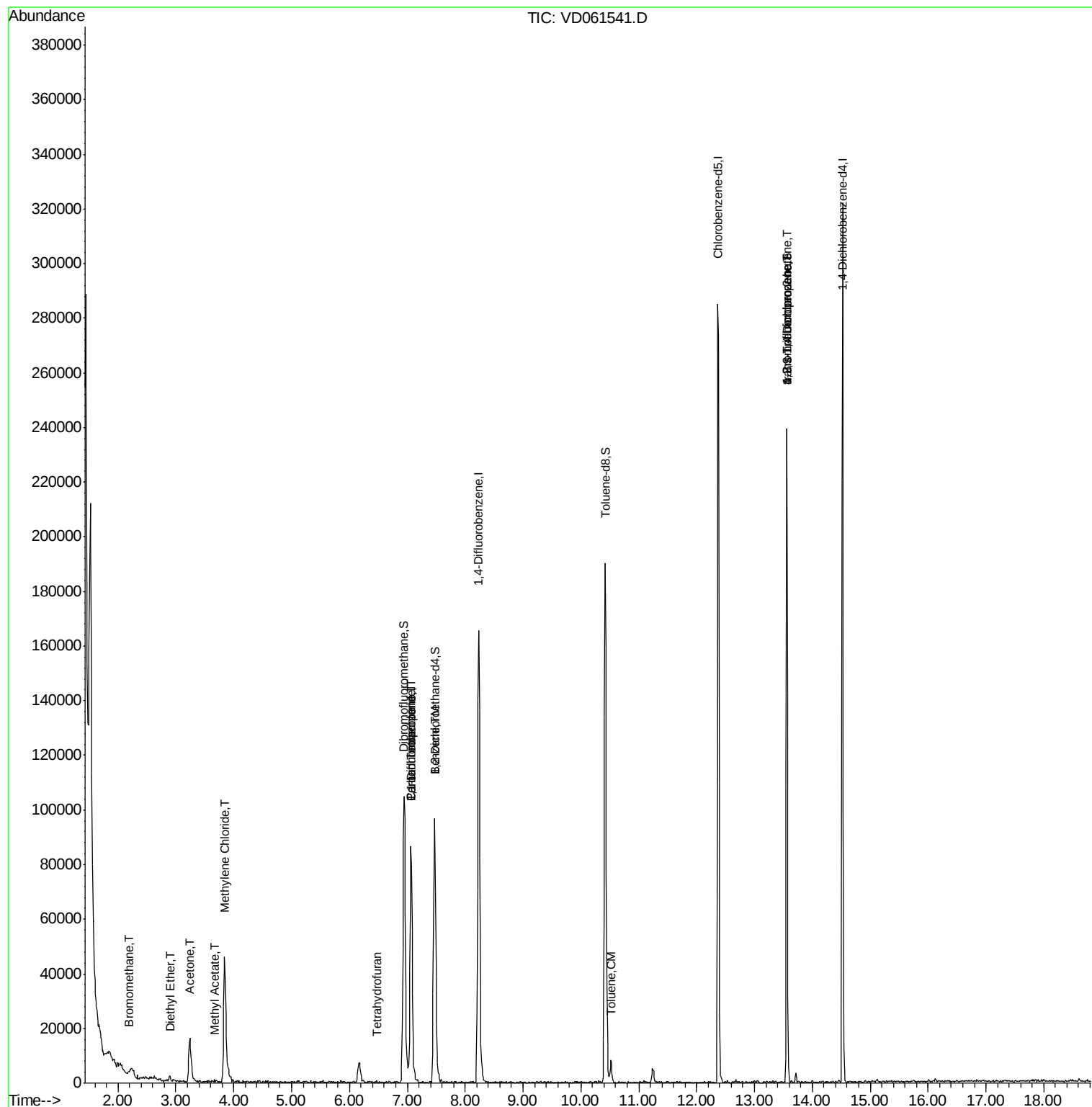
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	210	1.410	ug/l #	10
8) Diethyl Ether	2.90	74	663	1.885	ug/l	96
16) Acetone	3.24	43	33892	164.280	ug/l	97
18) Methyl Acetate	3.67	43	676	1.558	ug/l #	55
20) Methylene Chloride	3.84	84	38116	32.301	ug/l	96
29) Tetrahydrofuran	6.47	42	196	1.558	ug/l #	30
36) 1,1-Dichloropropene	7.06	75	6500	3.673	ug/l #	38
38) Carbon Tetrachloride	7.06	117	7604	3.739	ug/l #	10
40) Benzene	7.48	78	11284	2.541	ug/l	94
52) Toluene	10.52	92	5170	1.908	ug/l	76
76) 1,2,3-Trichloropropane	13.56	75	26154	25.082	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	26932	84.711	ug/l #	18

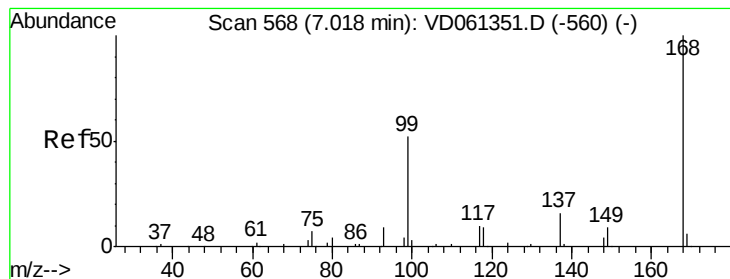
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040219\
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Quant Time: Apr 03 08:39:05 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: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

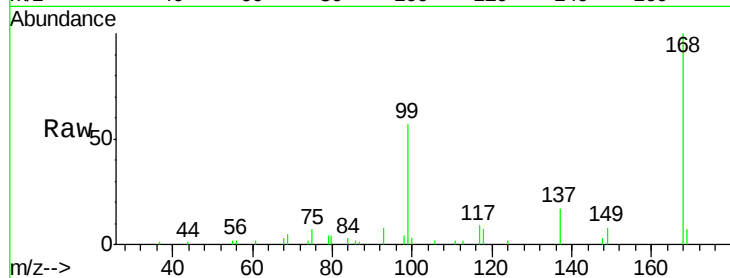
VN-SP-1

Tot Ion:168 Resp: 93948

Ion Ratio Lower Upper

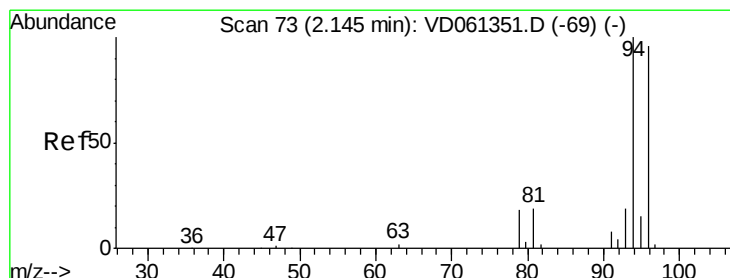
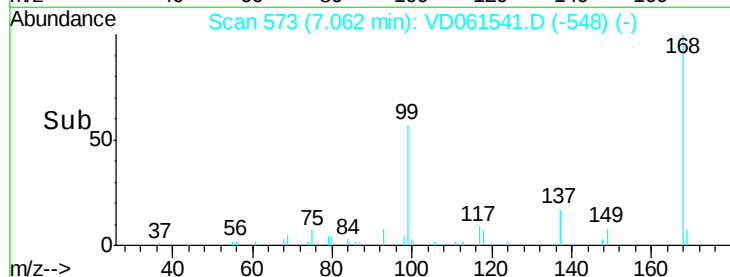
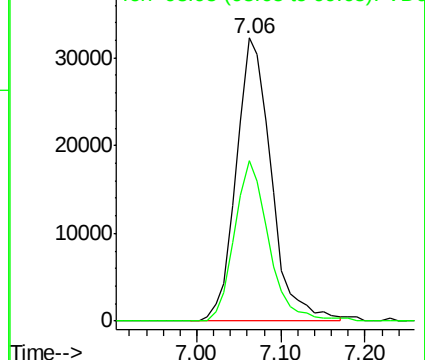
168 100

99 56.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.410 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.04 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

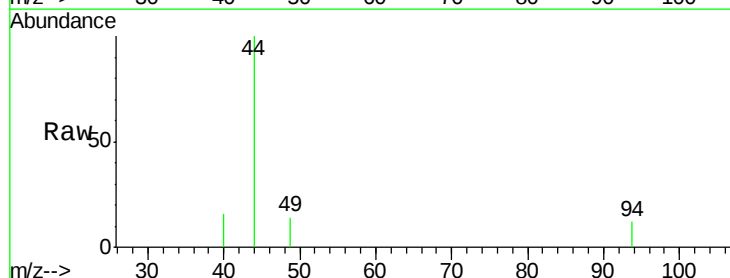
Tgt Ion: 94 Resp: 210

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

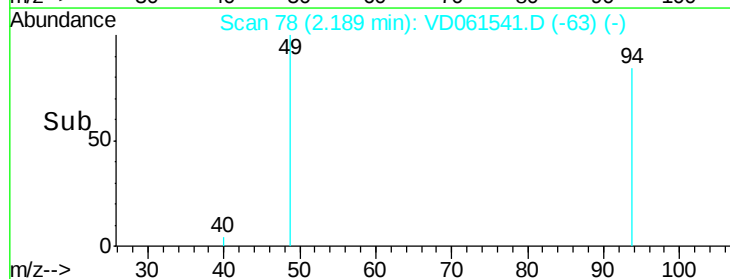
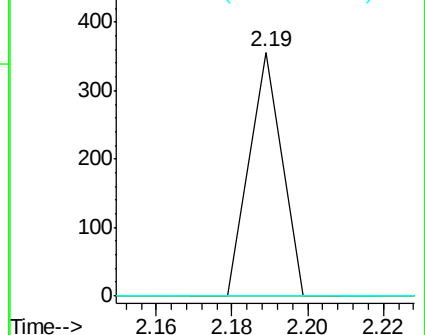
93 0.0 15.6 23.4#

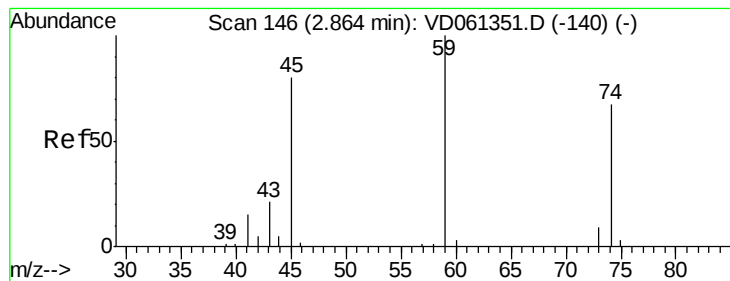


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 1.885 ug/l

RT: 2.90 min Scan# 150

Delta R.T. 0.03 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

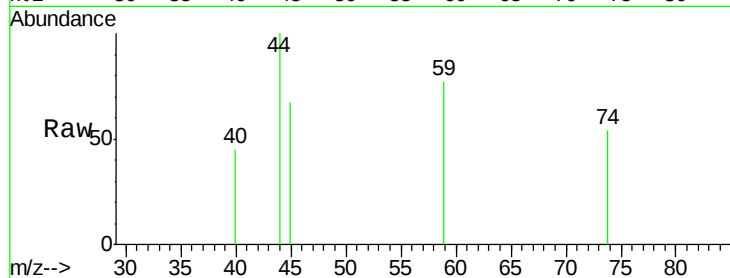
VN-SP-1

Tot Ion: 74 Resp: 663

Ion Ratio Lower Upper

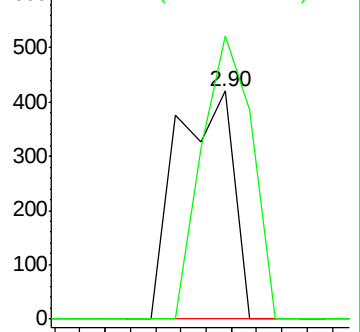
74 100

45 124.3 59.7 179.1

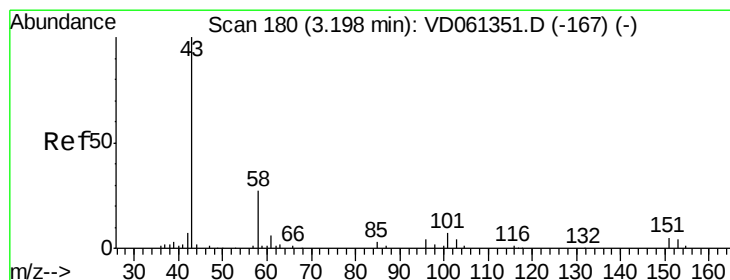
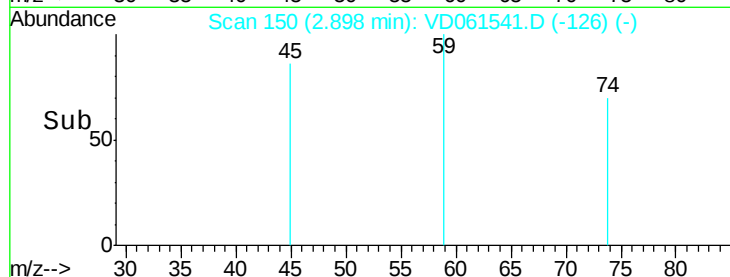


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



Time-->



#16

Acetone

Concen: 164.280 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.04 min

Lab File: VD061541.D

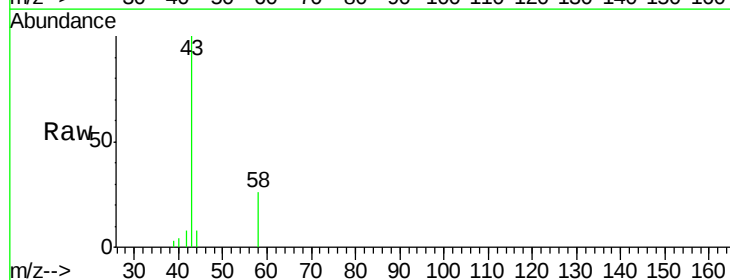
Acq: 3 Apr 2019 6:24

Tgt Ion: 43 Resp: 33892

Ion Ratio Lower Upper

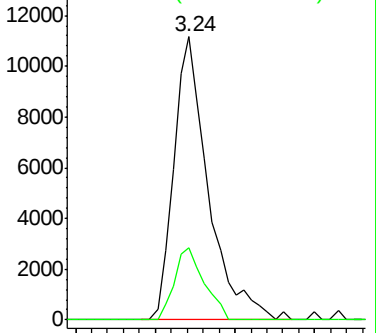
43 100

58 25.5 21.5 32.3

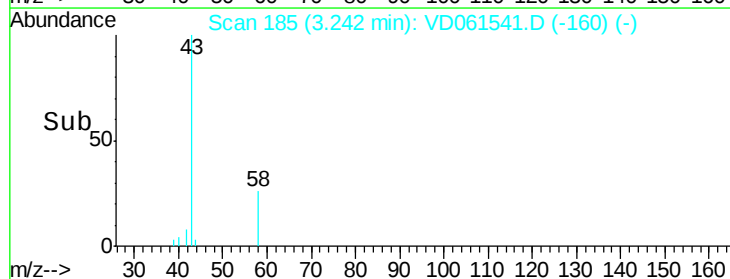


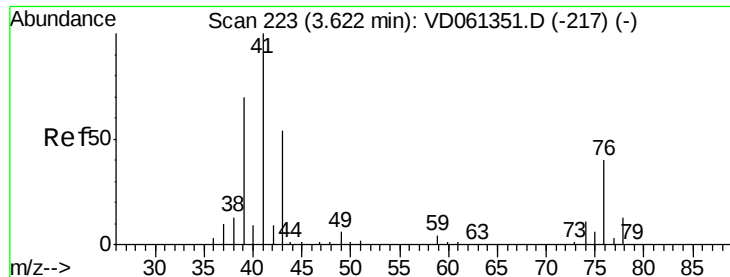
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->





#18

Methyl Acetate

Concen: 1.558 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.04 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

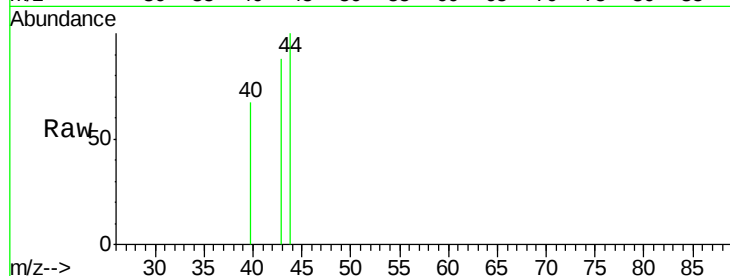
VN-SP-1

Tot Ion: 43 Resp: 676

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.67

500

400

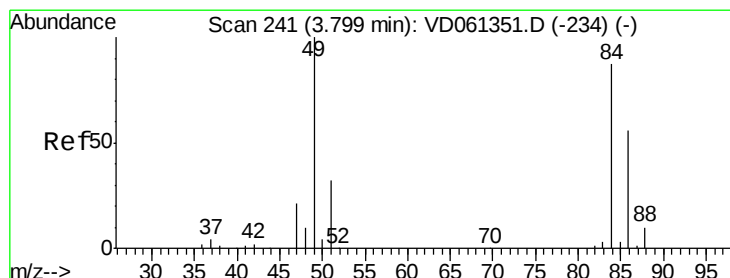
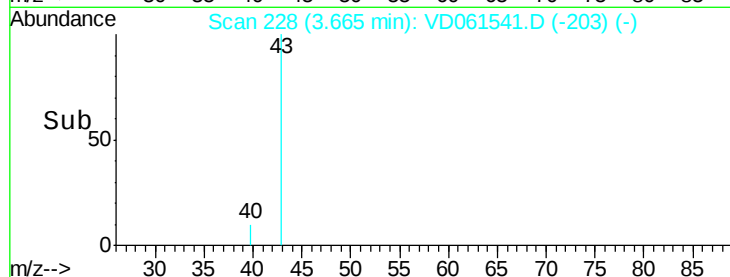
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 32.301 ug/l

RT: 3.84 min Scan# 246

Delta R.T. 0.04 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

Tgt Ion: 84 Resp: 38116

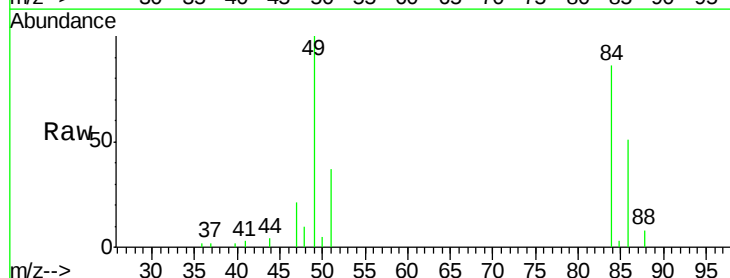
Ion Ratio Lower Upper

84 100

49 116.7 91.8 137.8

51 42.6 29.8 44.8

86 59.6 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

20000

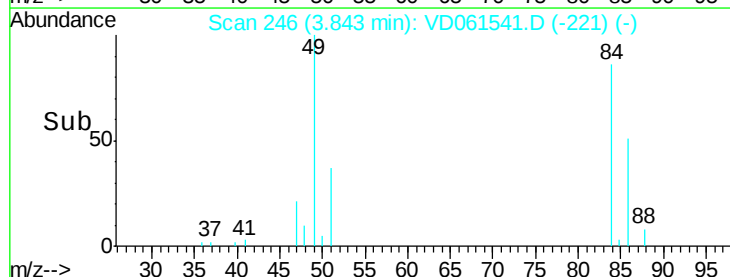
15000

10000

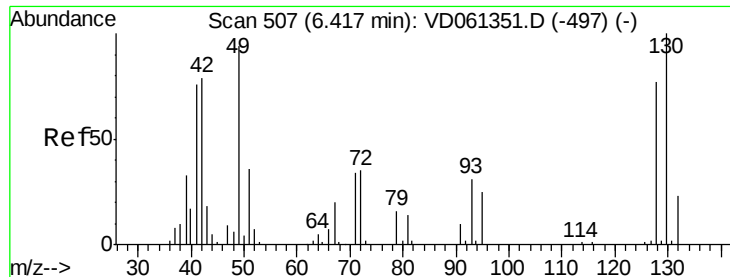
5000

0

Time-->



Time-->



#29

Tetrahydrofuran

Concen: 1.558 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.05 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

VN-SP-1

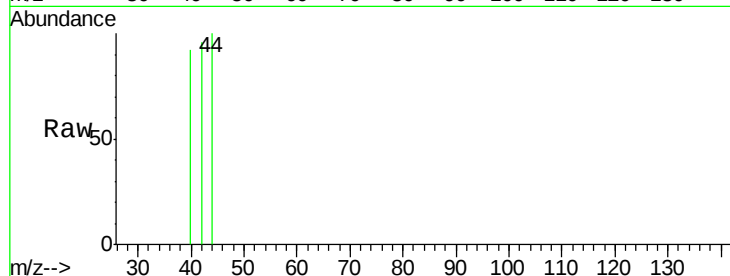
Tot Ion: 42 Resp: 196

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

71 0.0 36.7 55.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

6.47

300

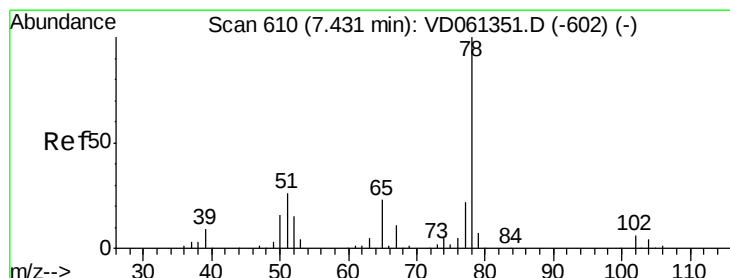
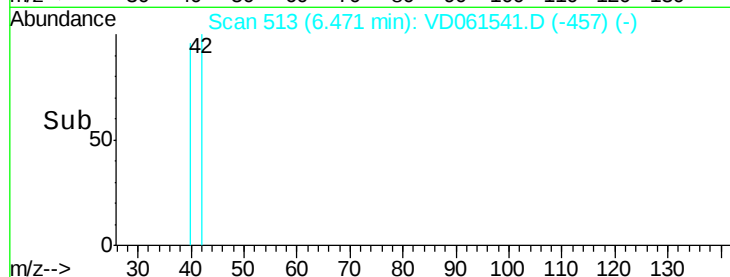
200

100

0

6.44 6.46 6.48 6.50

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD061541.D

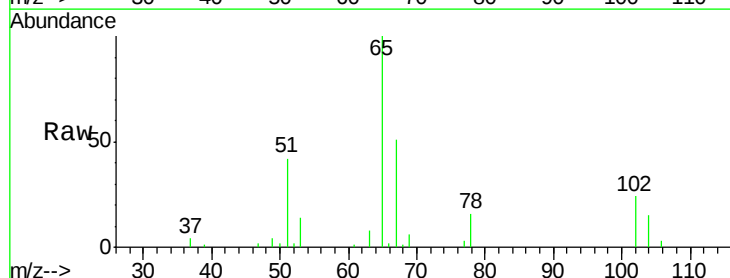
Acq: 3 Apr 2019 6:24

Tgt Ion: 65 Resp: 91915

Ion Ratio Lower Upper

65 100

67 50.5 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.48

30000

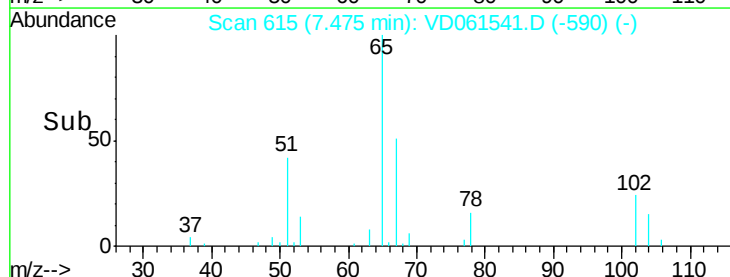
20000

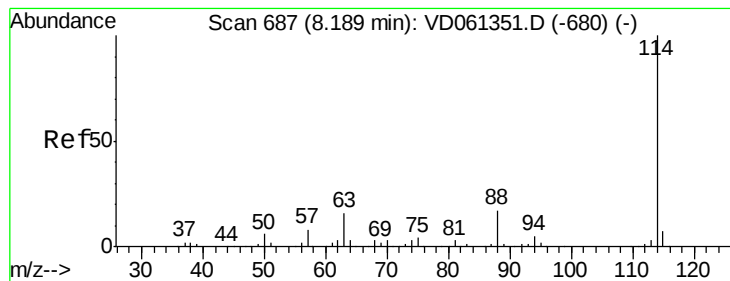
10000

0

7.40 7.50 7.60

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

VN-SP-1

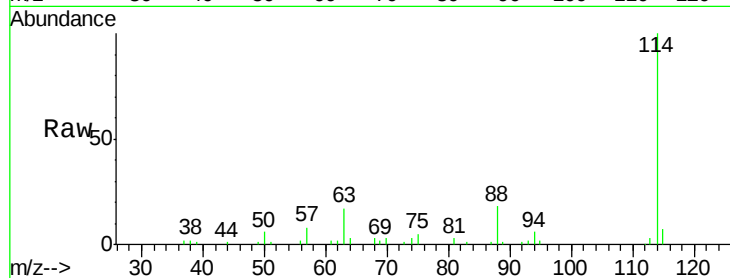
Tot Ion:114 Resp: 202759

Ion Ratio Lower Upper

114 100

63 17.1 0.0 31.6

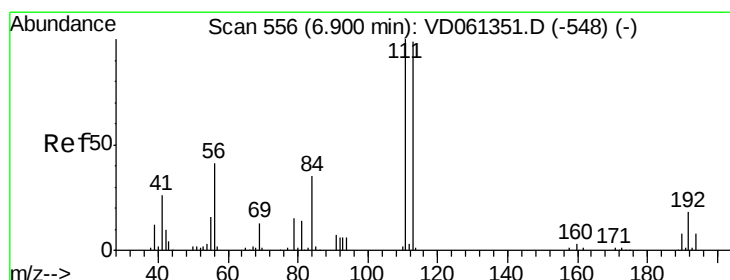
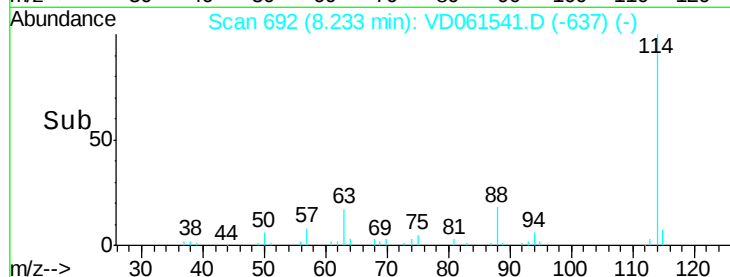
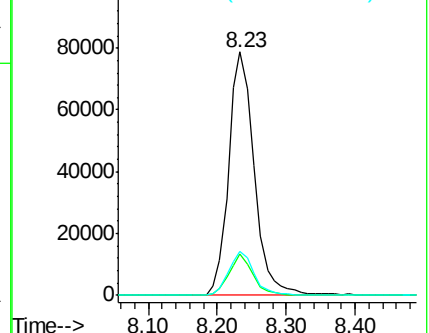
88 17.9 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.04 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

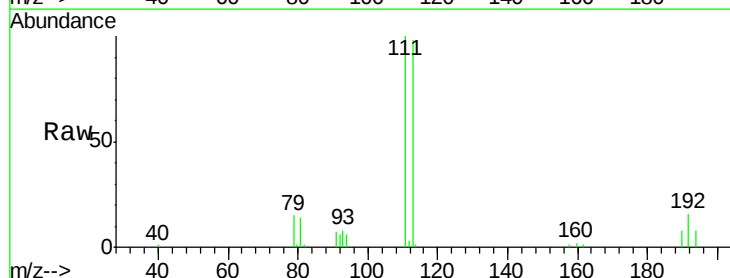
Tgt Ion:113 Resp: 101659

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.6

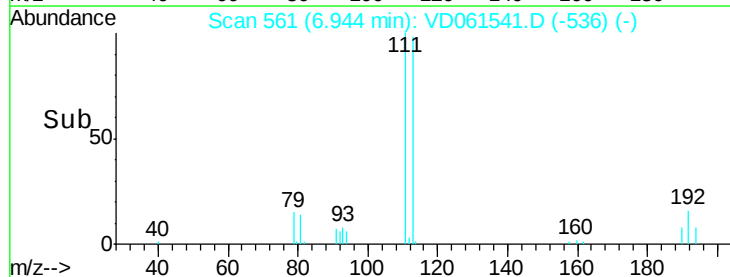
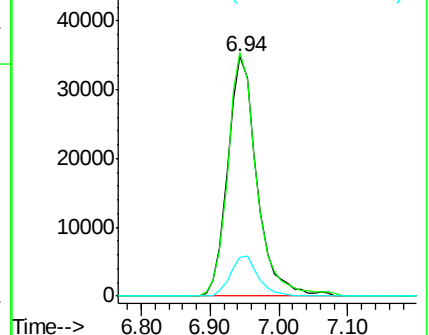
192 16.5 14.4 21.6

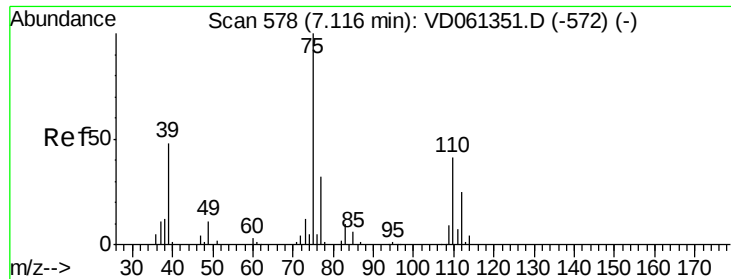


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 3.673 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

VN-SP-1

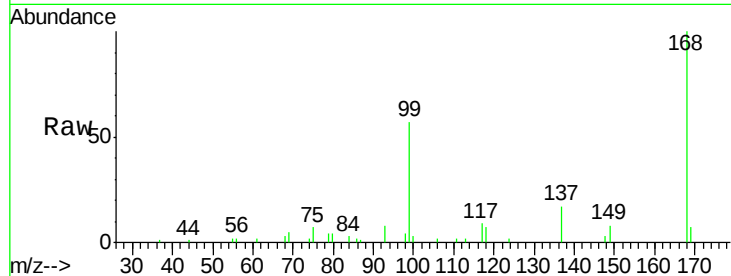
Tot Ion: 75 Resp: 6500

Ion Ratio Lower Upper

75 100

110 0.0 20.4 61.3#

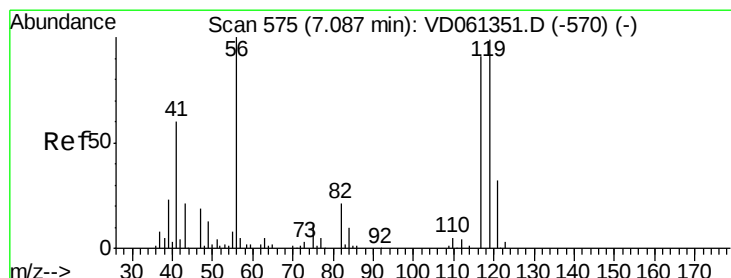
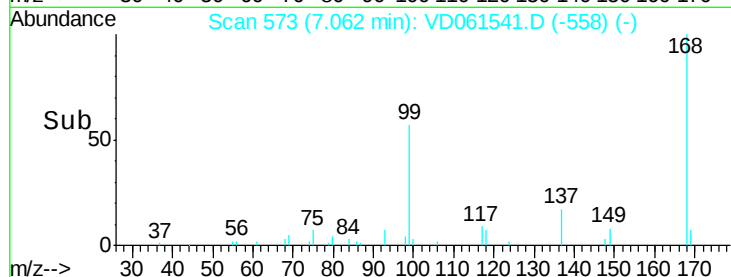
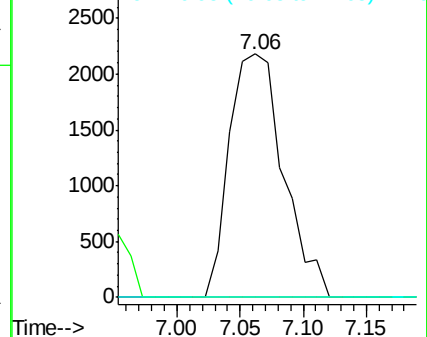
77 0.0 24.9 37.3#



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: 3.739 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

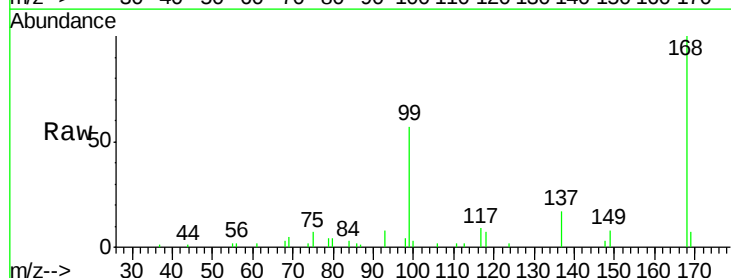
Tgt Ion: 117 Resp: 7604

Ion Ratio Lower Upper

117 100

119 0.0 80.1 120.1#

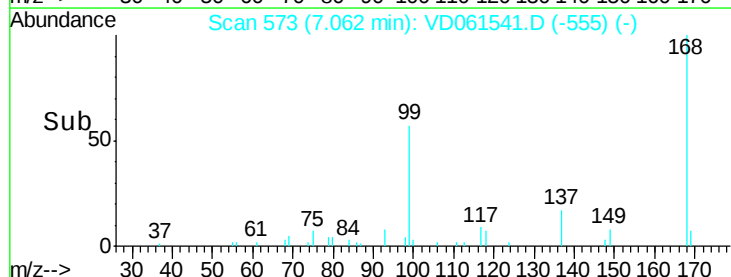
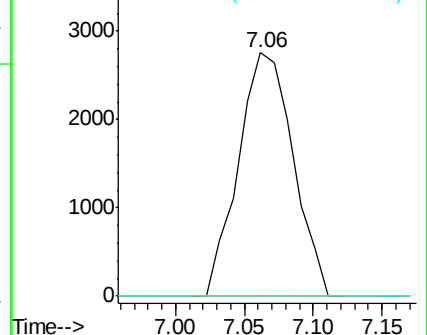
121 0.0 25.6 38.4#

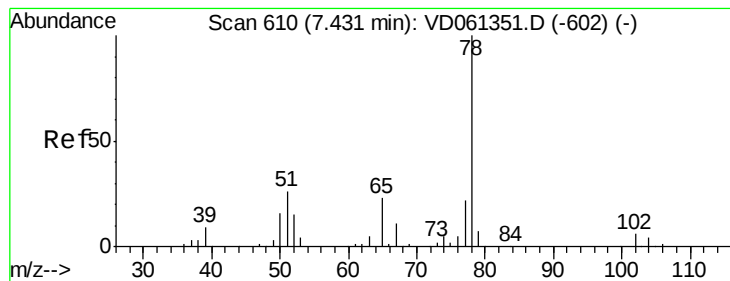


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#40

Benzene

Concen: 2.541 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

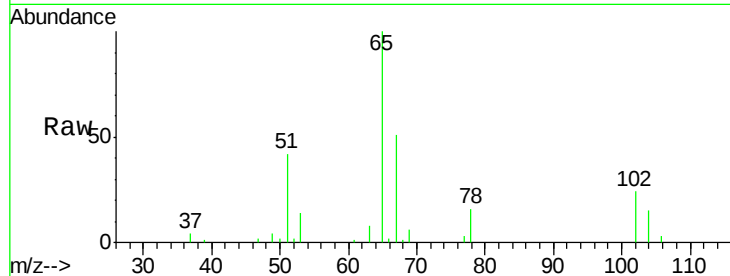
VN-SP-1

Tot Ion: 78 Resp: 11284

Ion Ratio Lower Upper

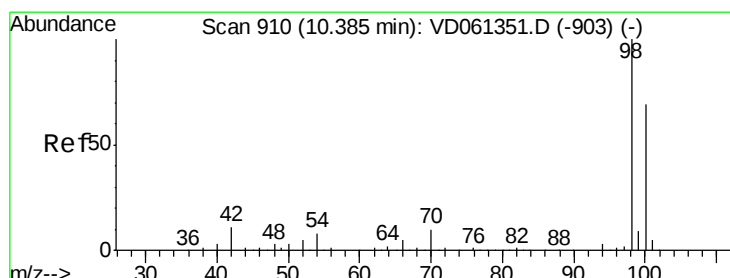
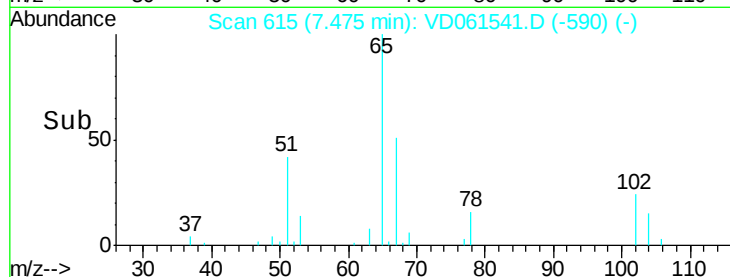
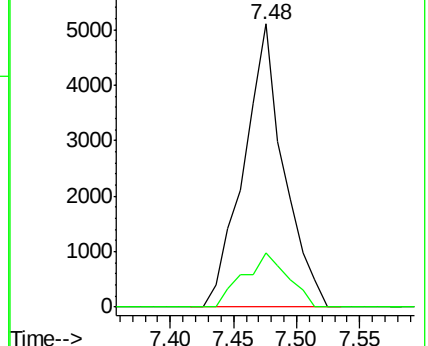
78 100

77 19.1 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: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD061541.D

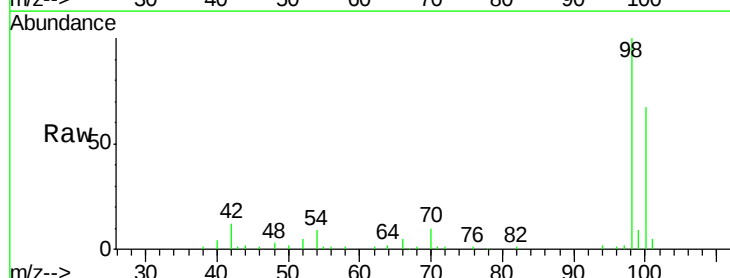
Acq: 3 Apr 2019 6:24

Tgt Ion: 98 Resp: 167080

Ion Ratio Lower Upper

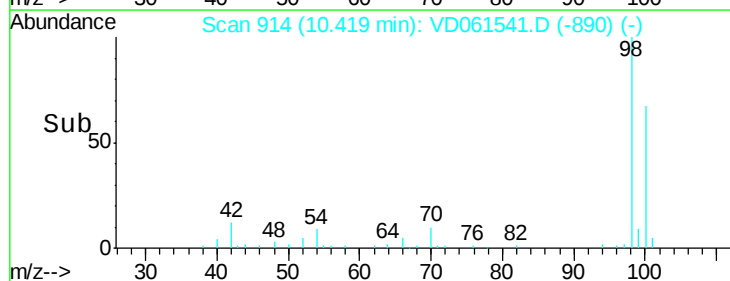
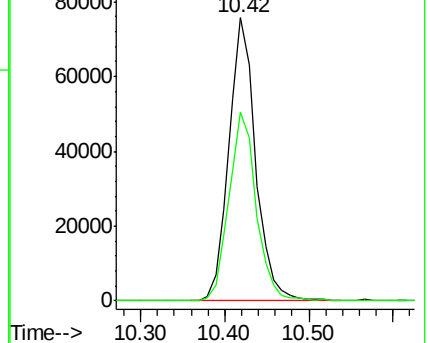
98 100

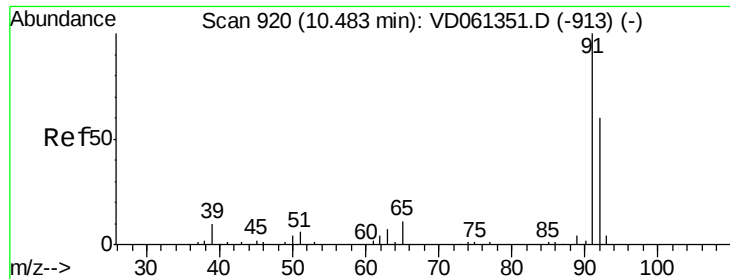
100 66.7 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 1.908 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

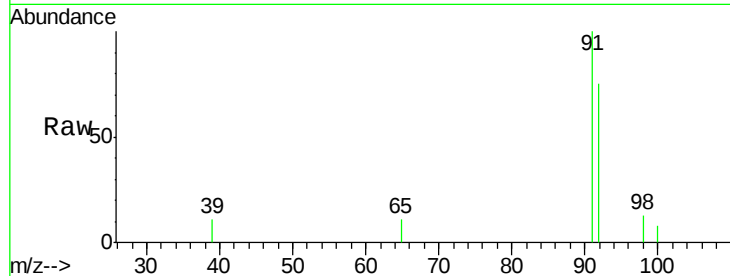
VN-SP-1

Tot Ion: 92 Resp: 5170

Ion Ratio Lower Upper

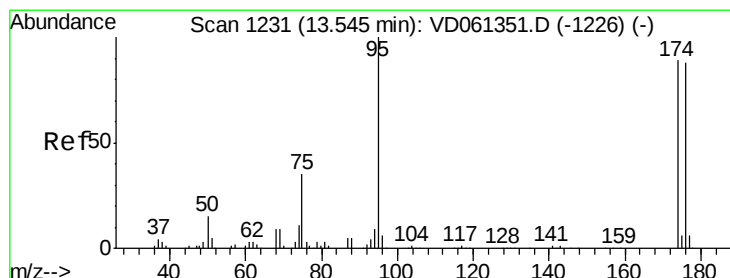
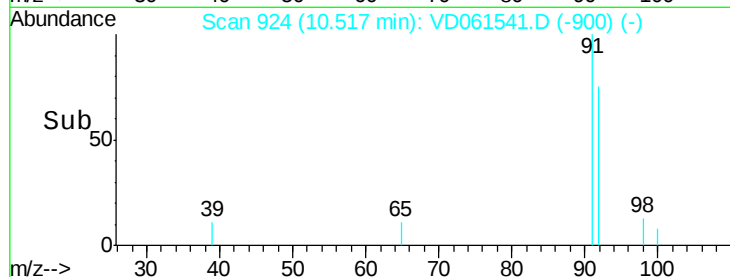
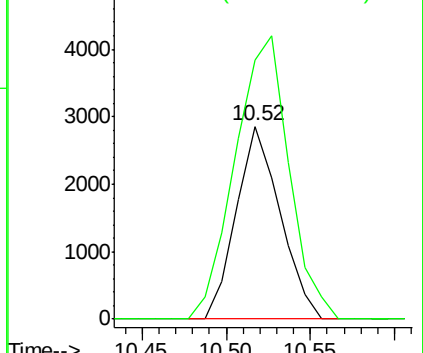
92 100

91 134.0 133.3 199.9



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: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061541.D

Acq: 3 Apr 2019 6:24

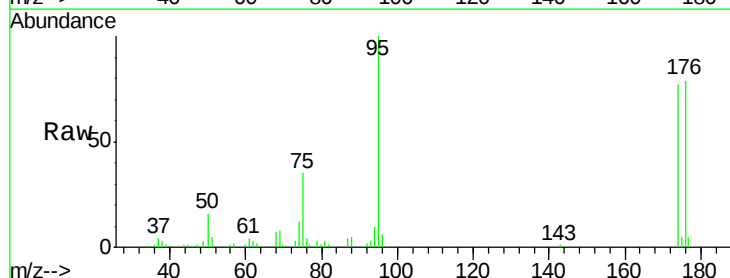
Tgt Ion: 95 Resp: 72338

Ion Ratio Lower Upper

95 100

174 77.2 0.0 178.0

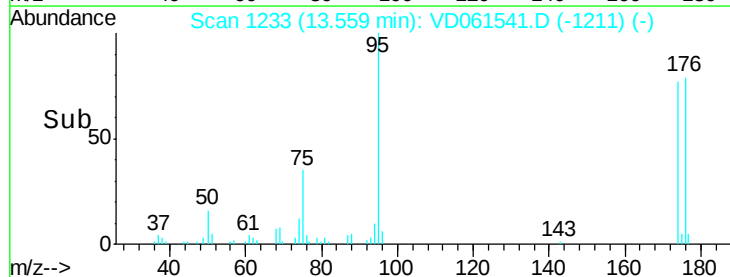
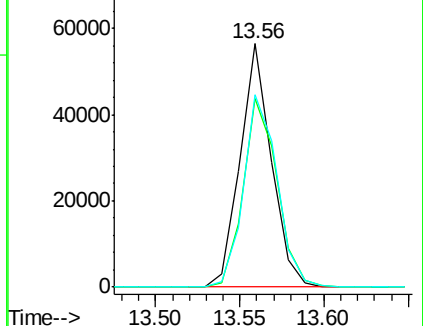
176 78.9 0.0 175.0

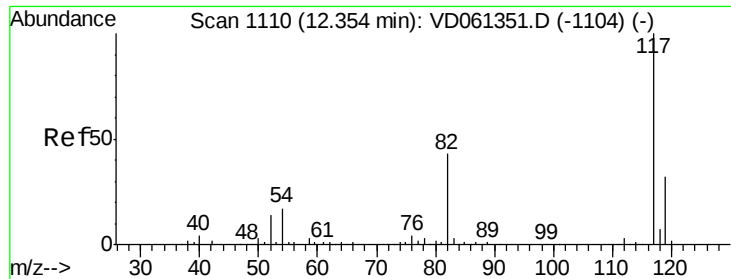


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

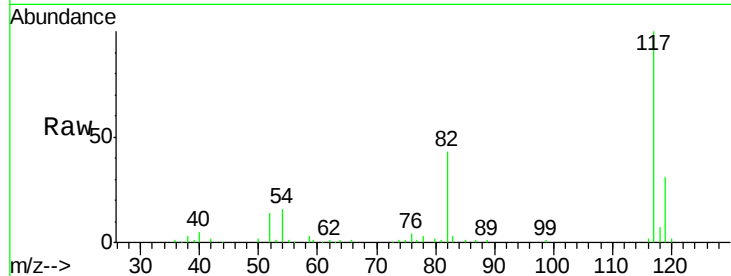




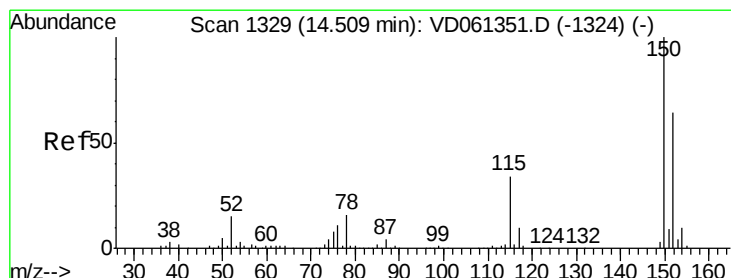
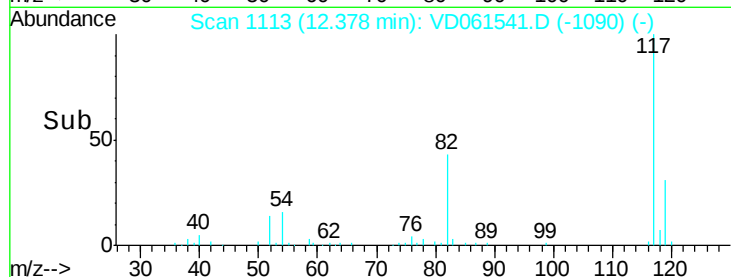
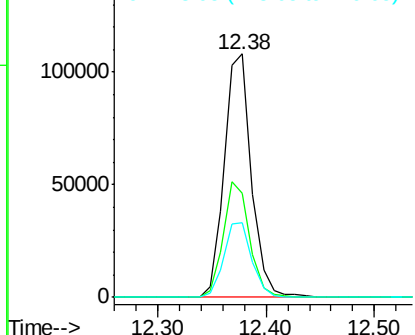
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061541.D
Acq: 3 Apr 2019 6:24

Instrument :
MSVOA_D
ClientSampleId :
VN-SP-1

Tot Ion:117 Resp: 188476
Ion Ratio Lower Upper
117 100
82 42.8 34.4 51.6
119 30.9 25.8 38.6

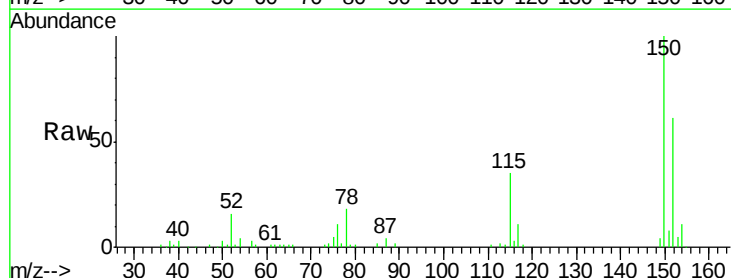


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

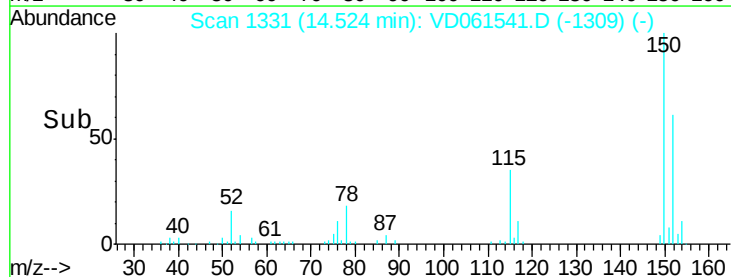
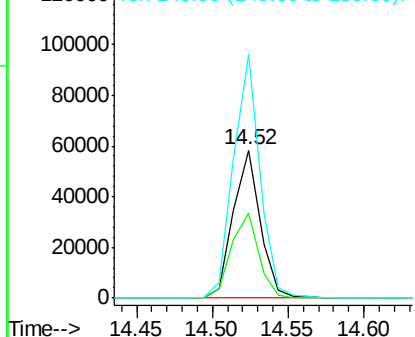


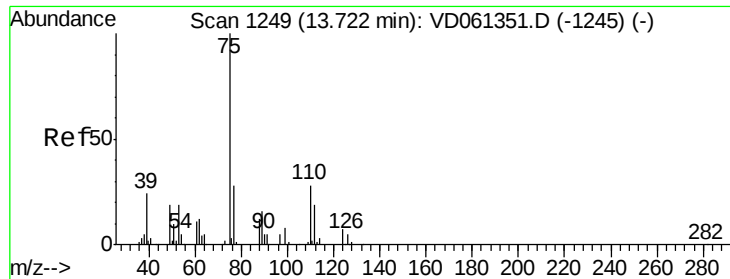
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061541.D
Acq: 3 Apr 2019 6:24

Tgt Ion:152 Resp: 72185
Ion Ratio Lower Upper
152 100
115 57.4 26.9 80.6
150 164.3 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

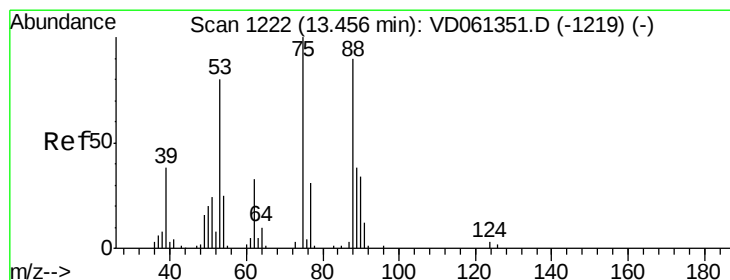
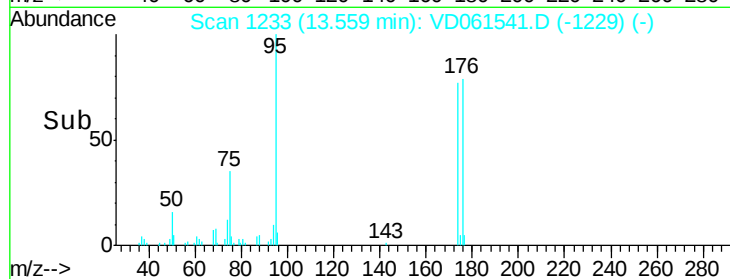
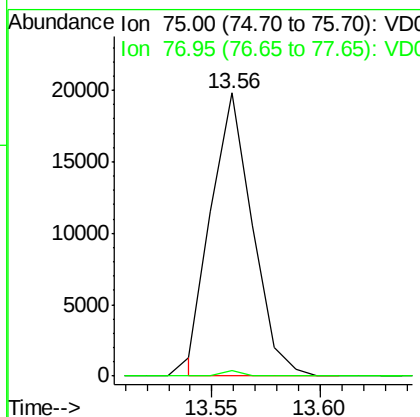
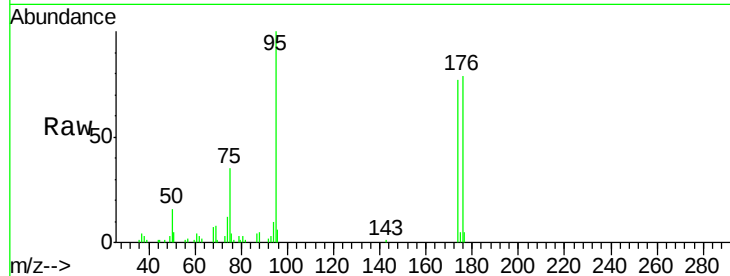




#76
 1,2,3-Trichloropropane
 Concen: 25.082 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.16 min
 Lab File: VD061541.D
 Acq: 3 Apr 2019 6:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VN-SP-1

Tot Ion: 75 Resp: 26154
 Ion Ratio Lower Upper
 75 100
 77 2.1 16.2 48.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.711 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.10 min
 Lab File: VD061541.D
 Acq: 3 Apr 2019 6:24

Tgt Ion: 75 Resp: 26932
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#

