

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041719\
 Data File : VD061863.D
 Acq On : 17 Apr 2019 20:07
 Operator : VA/AP
 Sample : K2423-09RE
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 18 01:08:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	393467	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	8.21	114	658218	50.00	ug/l	-0.05
63) Chlorobenzene-d5	12.35	117	540578	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	14.51	152	217387	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	135107	40.97	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	81.94%	
35) Dibromofluoromethane	6.91	113	221653	44.57	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	89.14%	
50) Toluene-d8	10.39	98	496049	42.10	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	84.20%	
62) 4-Bromofluorobenzene	13.54	95	174005	36.44	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	72.88%	

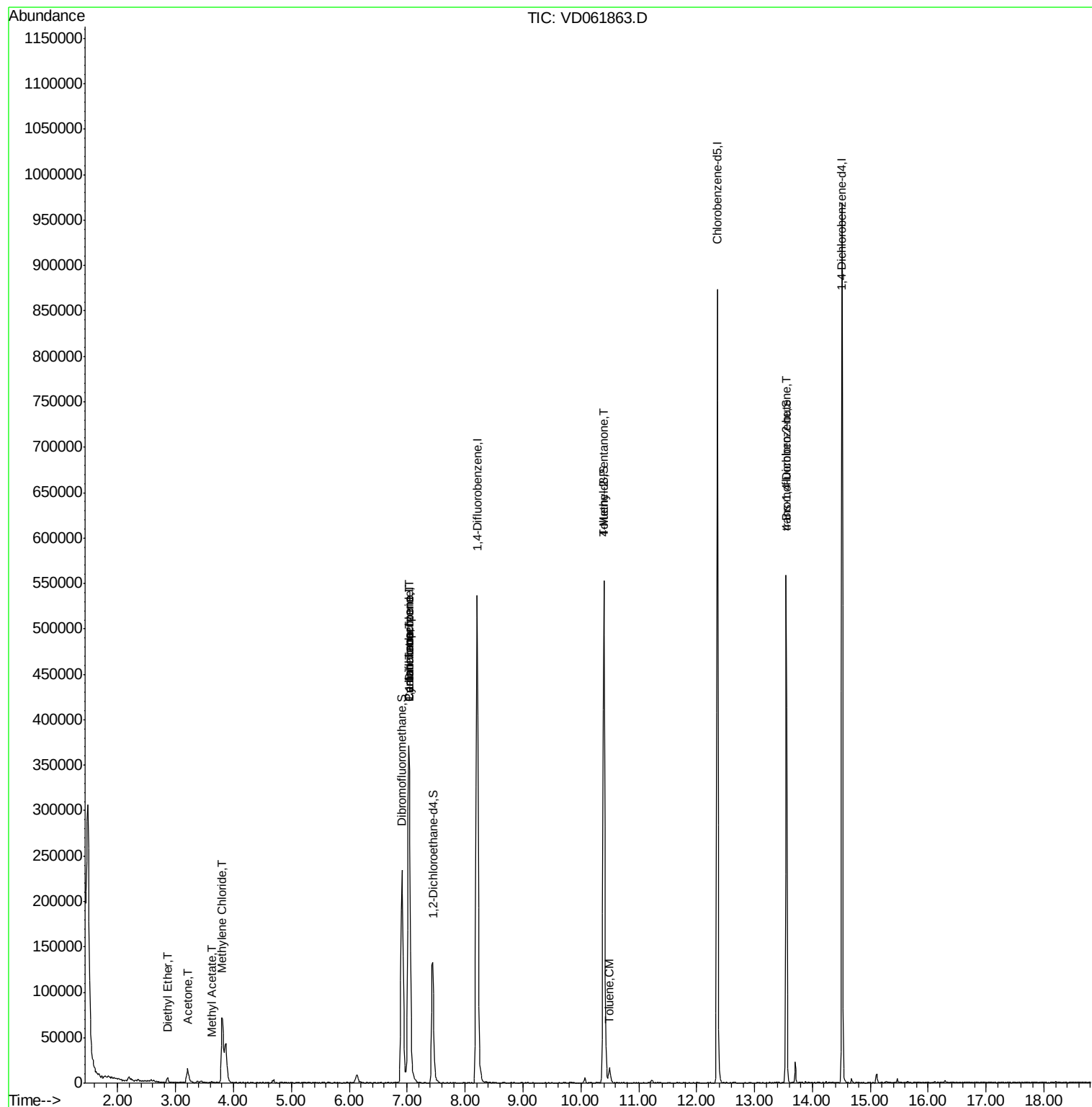
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	217	Below Cal	#	12
8) Diethyl Ether	2.86	74	1685	1.305	ug/l	86
16) Acetone	3.21	43	29654	36.486	ug/l	97
18) Methyl Acetate	3.62	43	1701	1.044	ug/l #	53
20) Methylene Chloride	3.81	84	52690	9.310	ug/l	98
31) Cyclohexane	7.03	56	6515	1.305	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	28902	5.373	ug/l #	47
38) Carbon Tetrachloride	7.03	117	37762	5.560	ug/l #	16
51) 4-Methyl-2-Pentanone	10.39	43	2160	1.090	ug/l #	1
52) Toluene	10.49	92	8669	1.048	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.54	75	66517	70.430	ug/l #	16

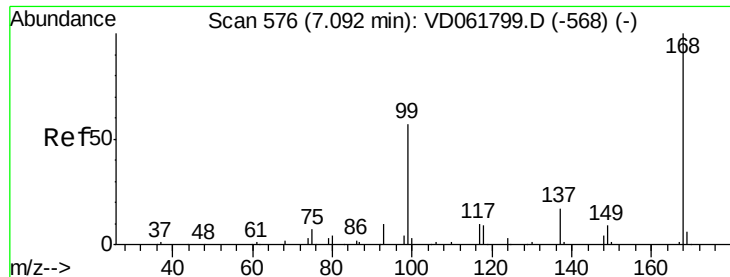
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041719\
Data File : VD061863.D
Acq On : 17 Apr 2019 20:07
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MSVOA_D
ClientSampleId :

Quant Time: Apr 18 01:08:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD061863.D

Acq: 17 Apr 2019 20:07

Instrument :

MSVOA_D

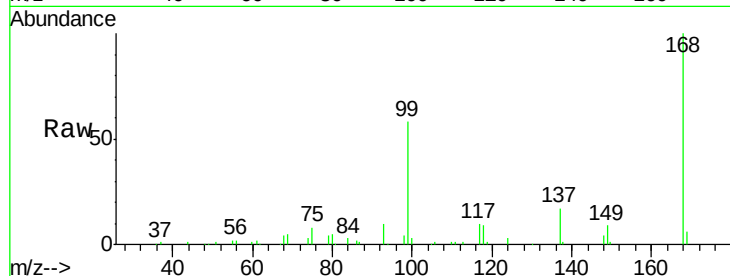
ClientSampleId :

Tot Ion:168 Resp: 393467

Ion Ratio Lower Upper

168 100

99 57.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

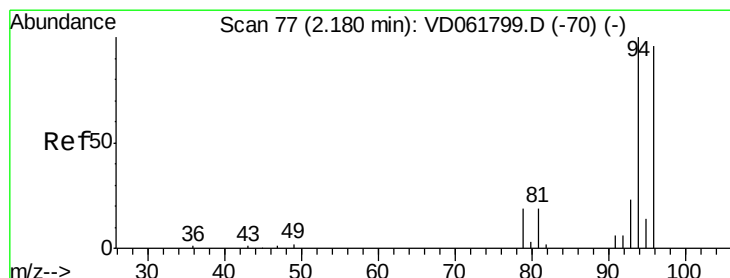
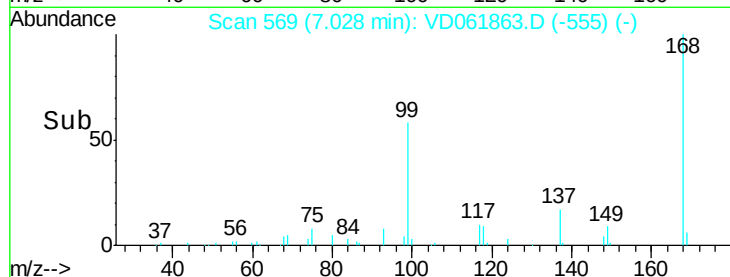
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.13 min Scan# 71

Delta R.T. -0.05 min

Lab File: VD061863.D

Acq: 17 Apr 2019 20:07

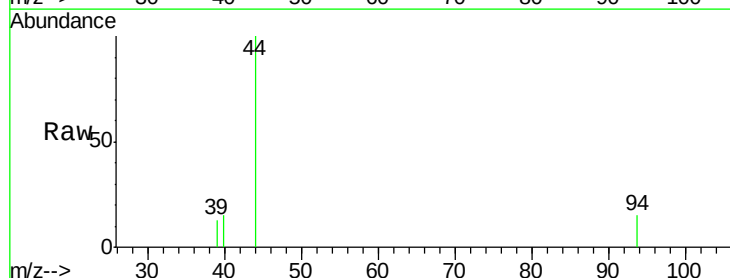
Tgt Ion: 94 Resp: 217

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



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

2.13

500

400

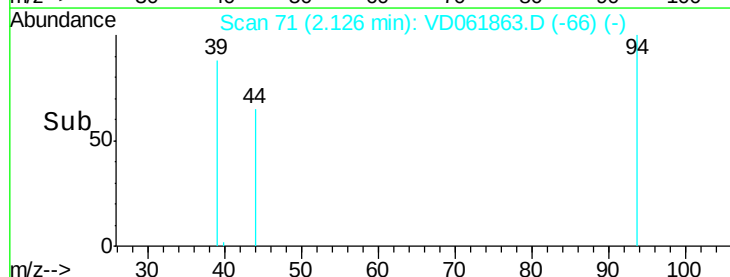
300

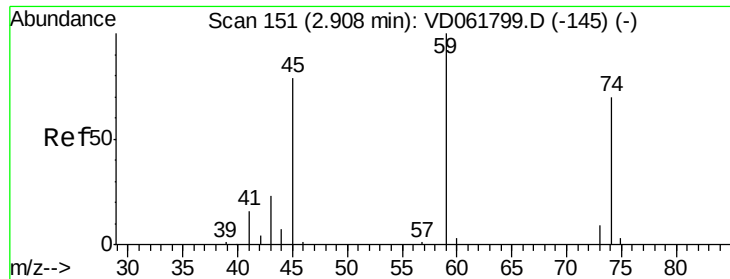
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.305 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.04 min

Lab File: VD061863.D

Acq: 17 Apr 2019 20:07

Instrument :

MSVOA_D

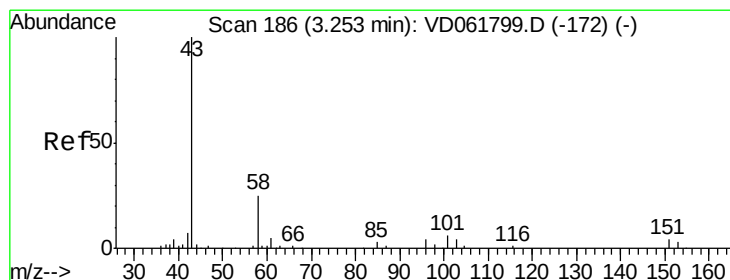
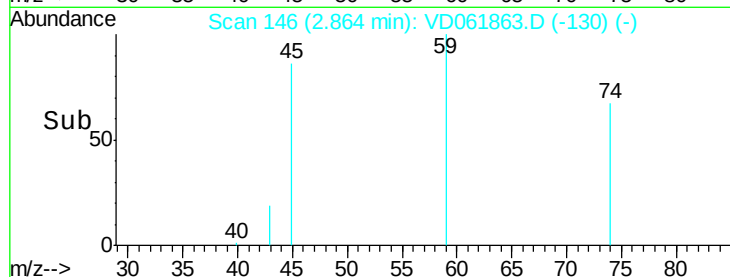
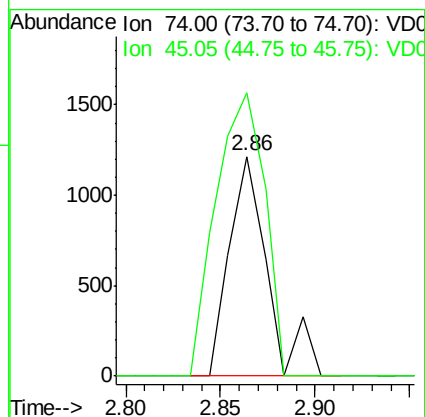
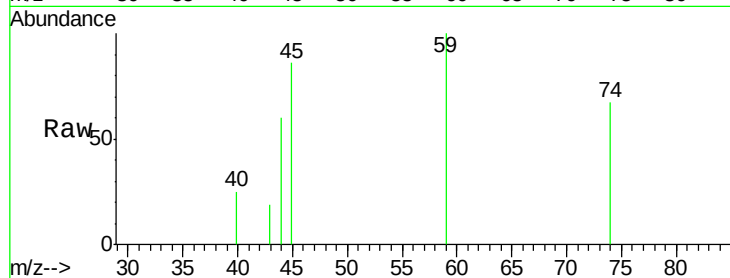
ClientSampleId :

Tot Ion: 74 Resp: 1685

Ion Ratio Lower Upper

74 100

45 129.0 56.9 170.7



#16

Acetone

Concen: 36.486 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.04 min

Lab File: VD061863.D

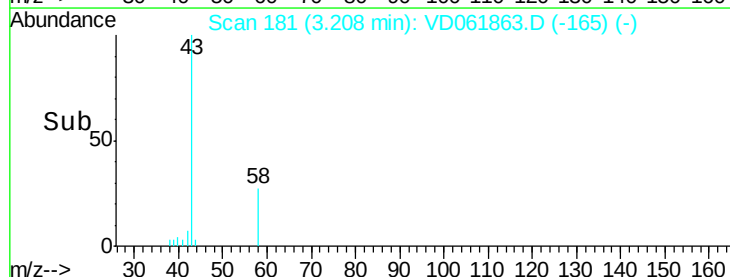
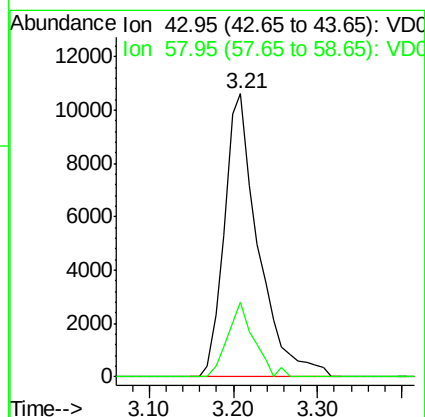
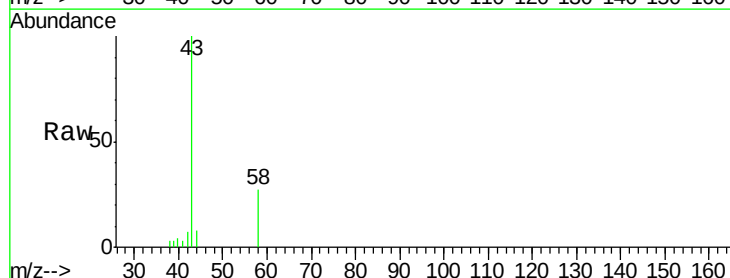
Acq: 17 Apr 2019 20:07

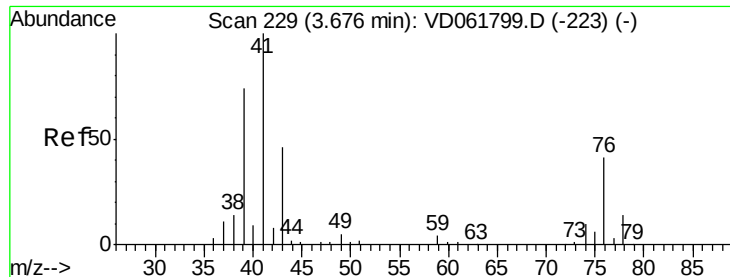
Tgt Ion: 43 Resp: 29654

Ion Ratio Lower Upper

43 100

58 26.5 19.9 29.9

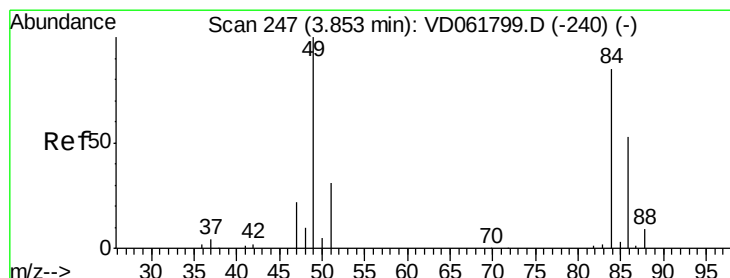
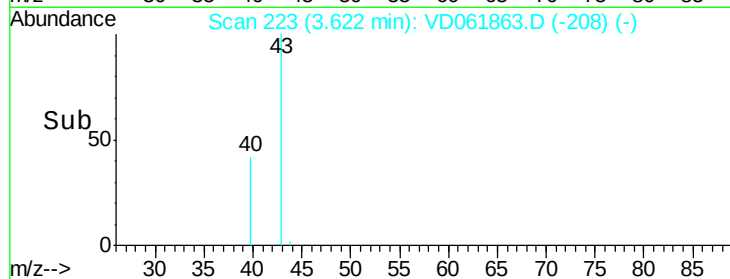
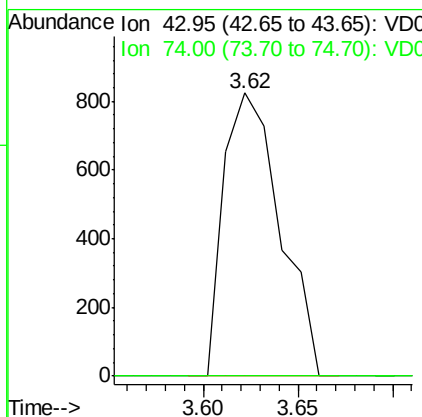
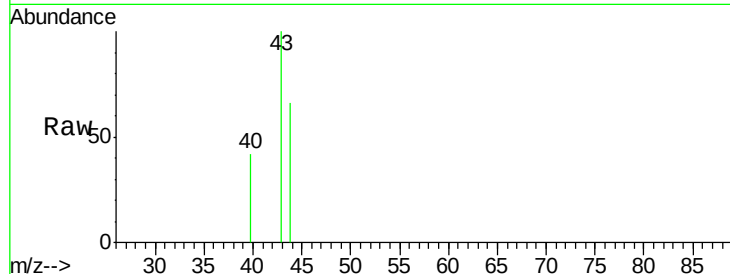




#18
Methyl Acetate
Concen: 1.044 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.05 min
Lab File: VD061863.D
Acq: 17 Apr 2019 20:07

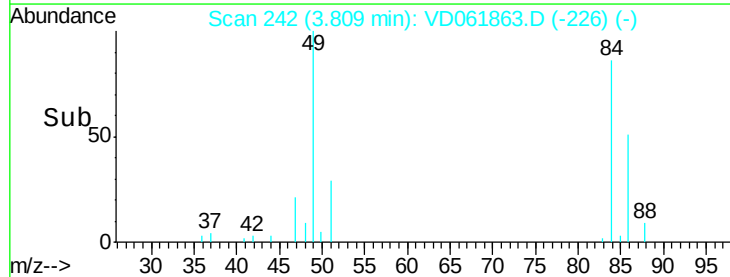
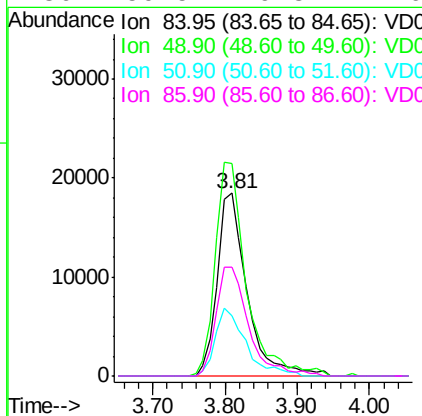
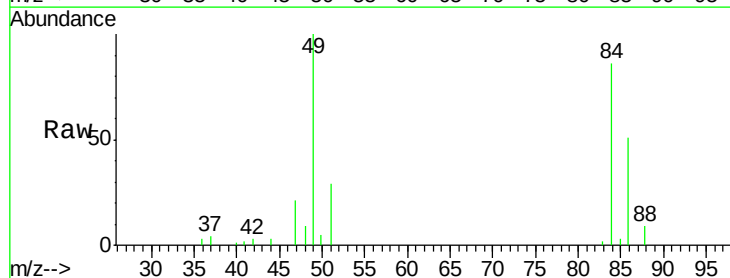
Instrument :
MSVOA_D
ClientSampleId :

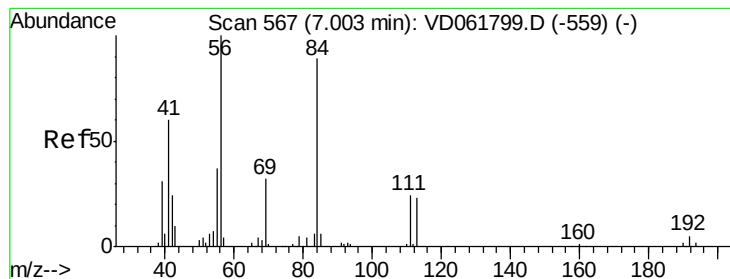
Tot Ion: 43 Resp: 1701
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 9.310 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.04 min
Lab File: VD061863.D
Acq: 17 Apr 2019 20:07

Tgt Ion: 84 Resp: 52690
Ion Ratio Lower Upper
84 100
49 116.4 94.0 141.0
51 33.2 29.0 43.4
86 59.5 49.8 74.6





#31

Cyclohexane

Concen: 1.305 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.02 min

Lab File: VD061863.D

Acq: 17 Apr 2019 20:07

Instrument :

MSVOA_D

ClientSampleId :

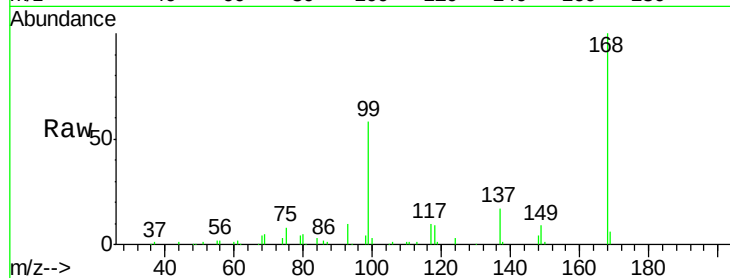
Tot Ion: 56 Resp: 6515

Ion Ratio Lower Upper

56 100

69 218.4 25.8 38.6#

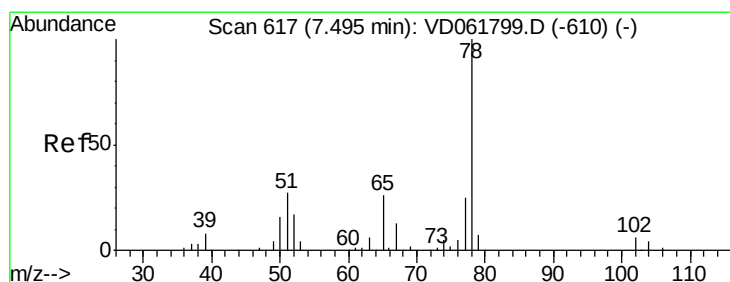
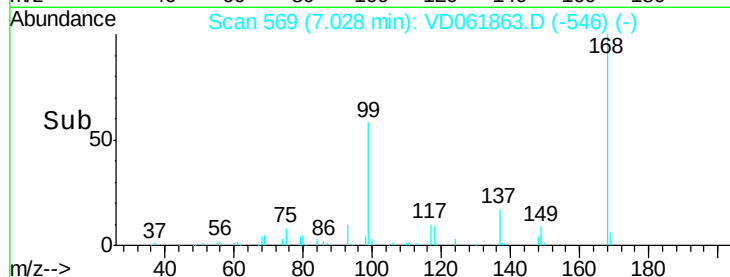
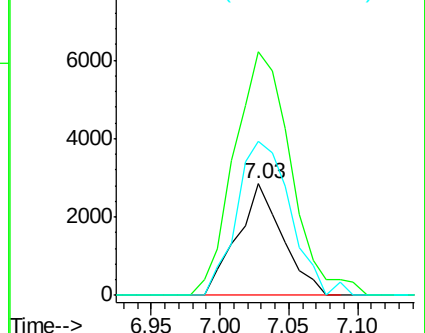
84 137.6 72.2 108.4#



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: 7.44 min Scan# 611

Delta R.T. -0.05 min

Lab File: VD061863.D

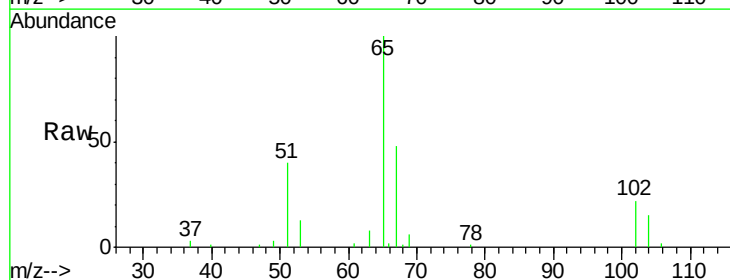
Acq: 17 Apr 2019 20:07

Tgt Ion: 65 Resp: 135107

Ion Ratio Lower Upper

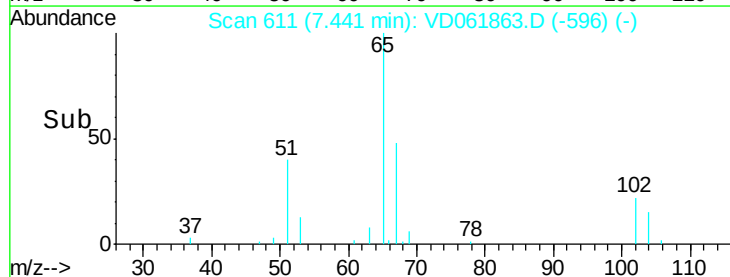
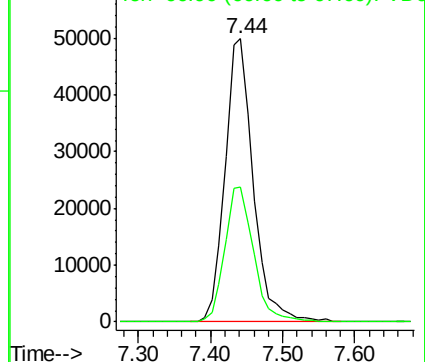
65 100

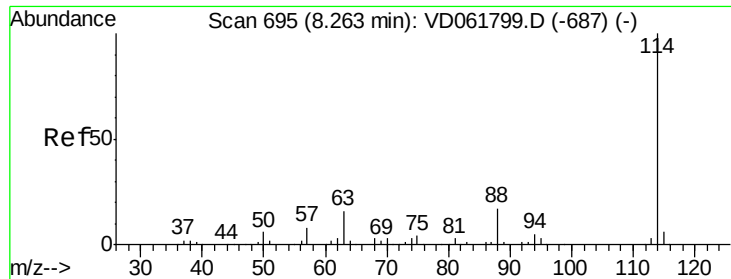
67 47.9 0.0 98.0



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: 8.21 min Scan# 689

Delta R.T. -0.05 min

Lab File: VD061863.D

Acq: 17 Apr 2019 20:07

Instrument :

MSVOA_D

ClientSampleId :

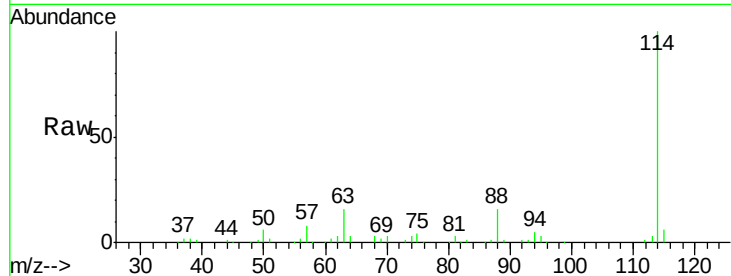
Tot Ion:114 Resp: 658218

Ion Ratio Lower Upper

114 100

63 15.8 0.0 32.4

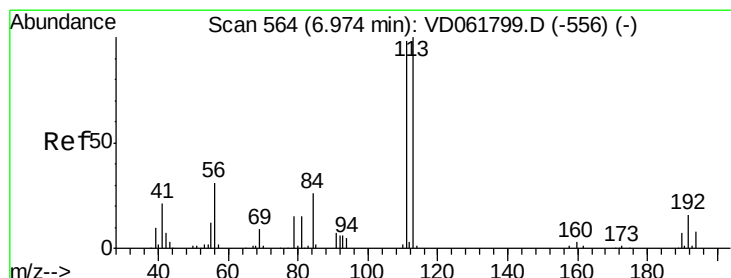
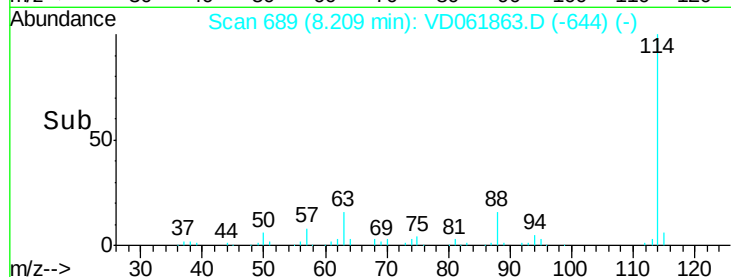
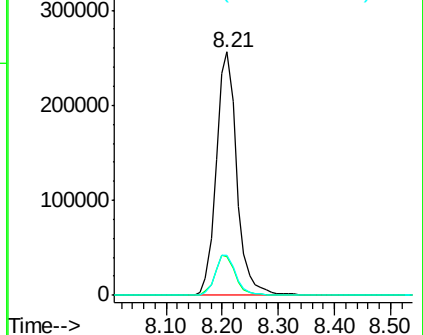
88 16.5 0.0 33.6



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: 6.91 min Scan# 557

Delta R.T. -0.06 min

Lab File: VD061863.D

Acq: 17 Apr 2019 20:07

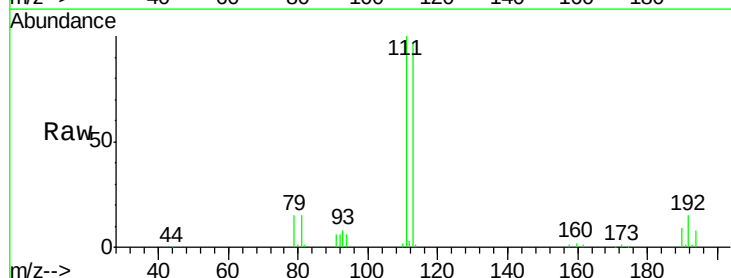
Tgt Ion:113 Resp: 221653

Ion Ratio Lower Upper

113 100

111 102.6 78.5 117.7

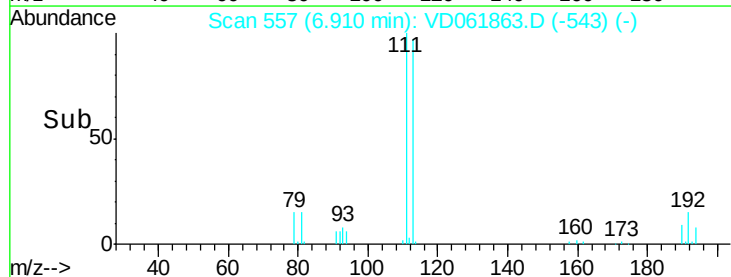
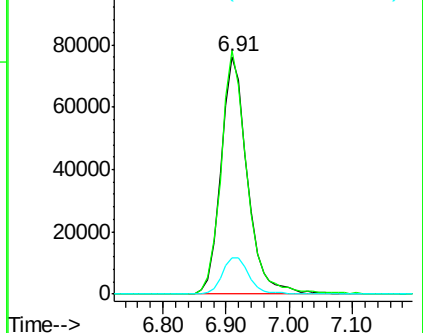
192 15.4 13.0 19.4

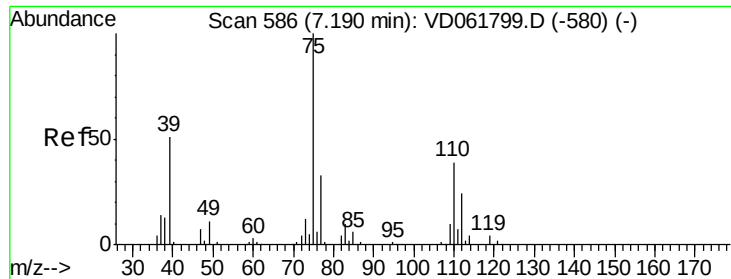


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

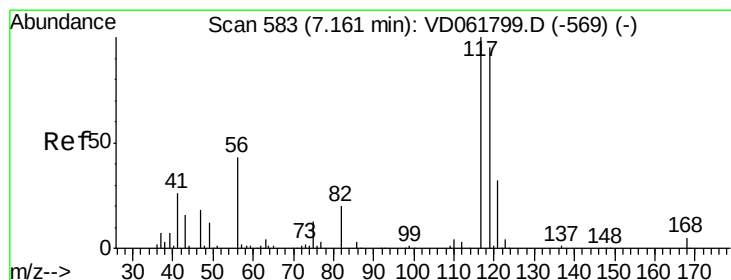
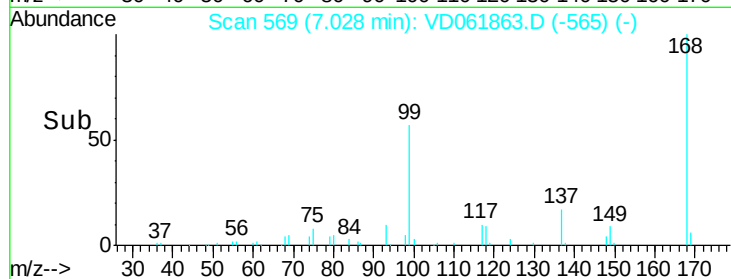
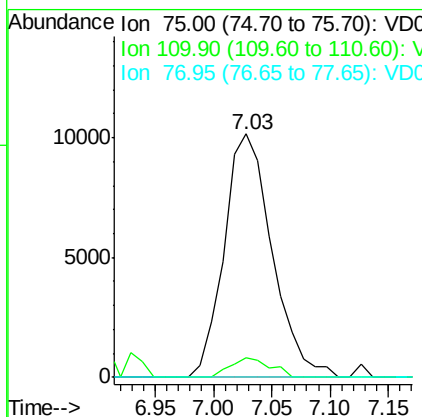
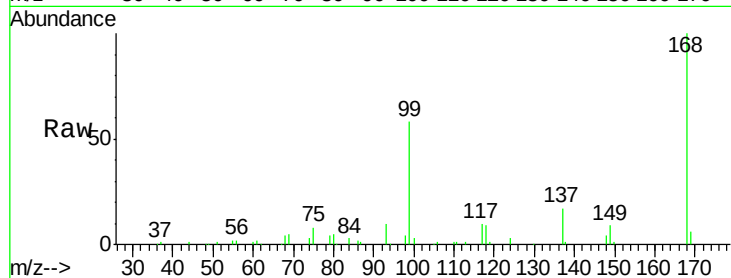




#36
 1,1-Dichloropropene
 Concen: 5.373 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.16 min
 Lab File: VD061863.D
 Acq: 17 Apr 2019 20:07

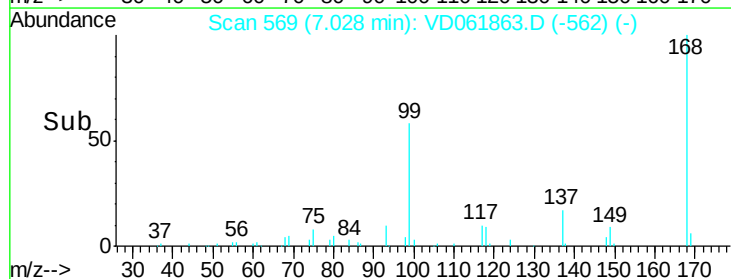
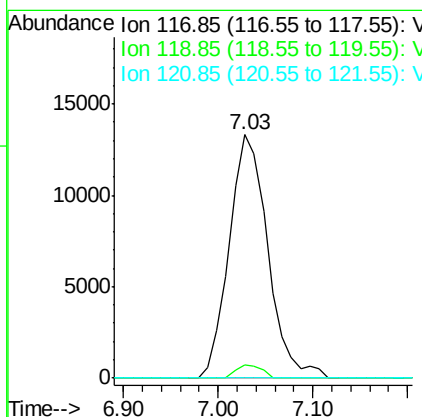
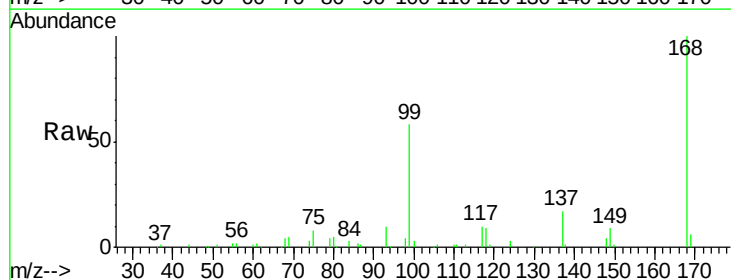
Instrument :
 MSVOA_D
 ClientSampled :

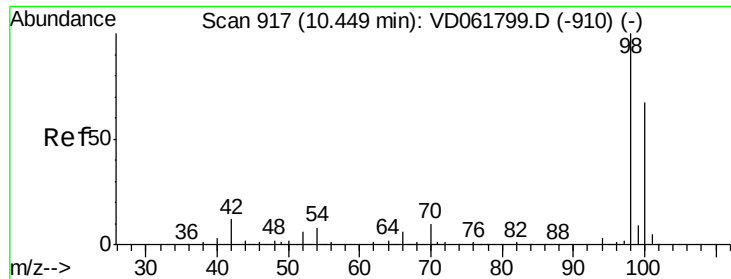
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.560 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.13 min
 Lab File: VD061863.D
 Acq: 17 Apr 2019 20:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.8	113.8#
121	0.0	25.9	38.9#

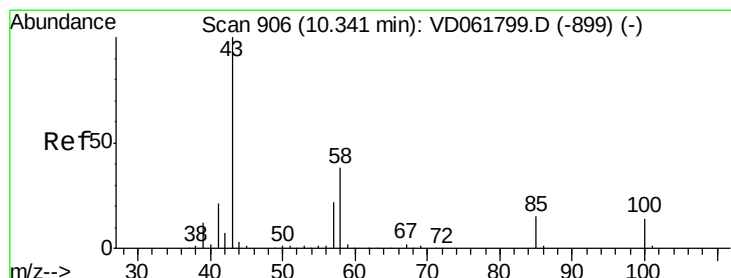
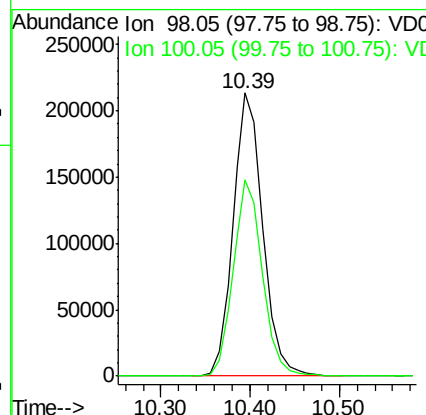
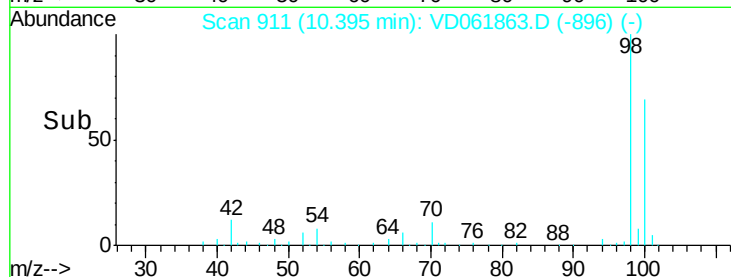
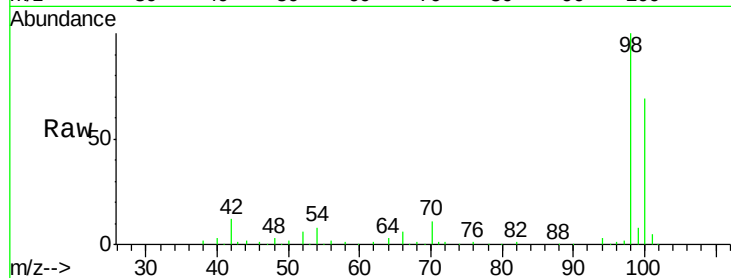




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.05 min
Lab File: VD061863.D
Acq: 17 Apr 2019 20:07

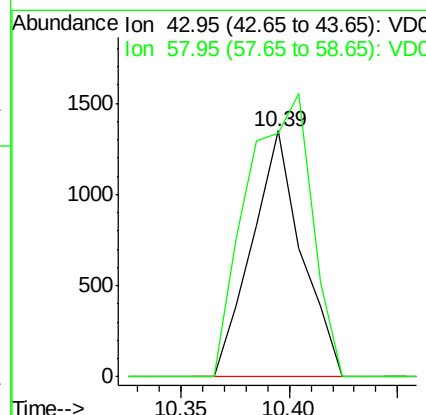
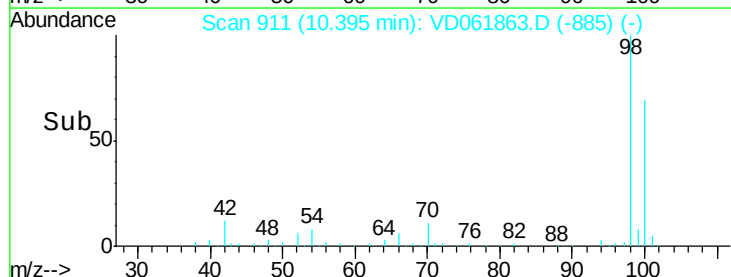
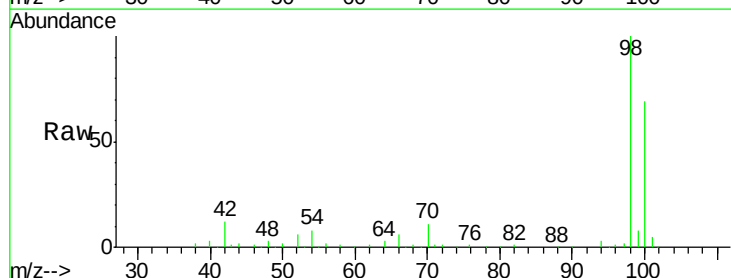
Instrument :
MSVOA_D
ClientSampleId :

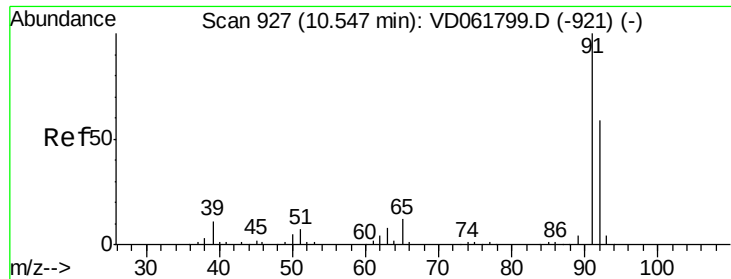
Tot Ion: 98 Resp: 496049
Ion Ratio Lower Upper
98 100
100 69.2 53.8 80.8



#51
4-Methyl-2-Pentanone
Concen: 1.090 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.05 min
Lab File: VD061863.D
Acq: 17 Apr 2019 20:07

Tgt Ion: 43 Resp: 2160
Ion Ratio Lower Upper
43 100
58 99.2 30.4 45.6#





#52

Toluene

Concen: 1.048 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.05 min

Lab File: VD061863.D

Acq: 17 Apr 2019 20:07

Instrument :

MSVOA_D

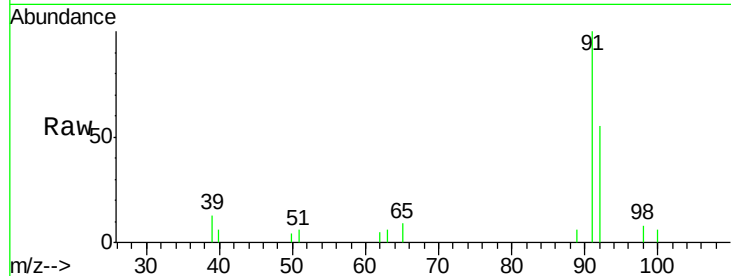
ClientSampleId :

Tot Ion: 92 Resp: 8669

Ion Ratio Lower Upper

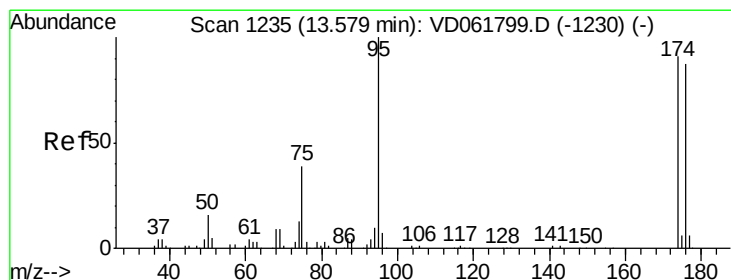
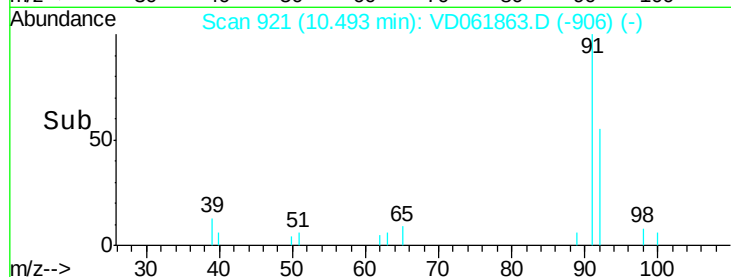
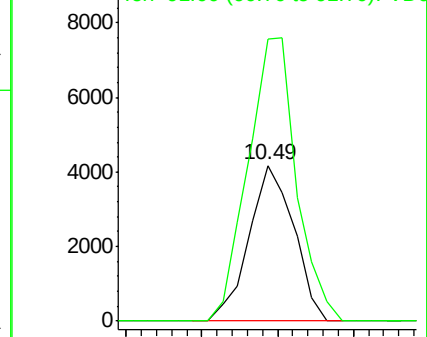
92 100

91 181.4 136.6 204.8



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: 13.54 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VD061863.D

Acq: 17 Apr 2019 20:07

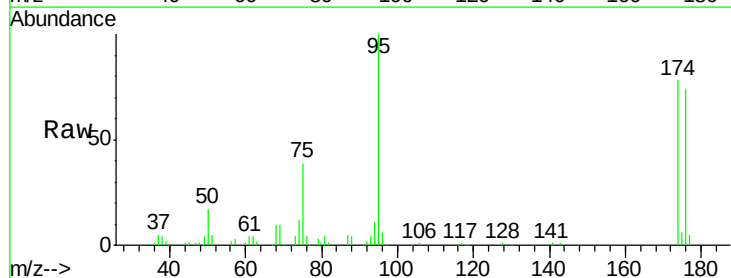
Tgt Ion: 95 Resp: 174005

Ion Ratio Lower Upper

95 100

174 78.1 0.0 181.8

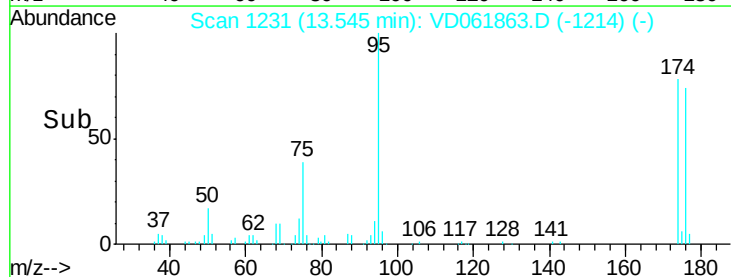
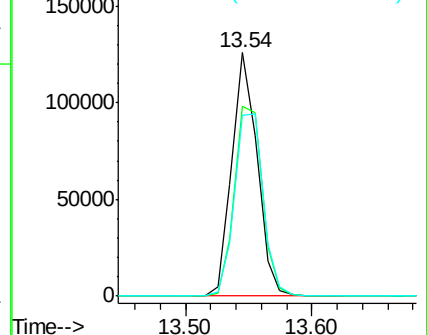
176 74.4 0.0 174.4

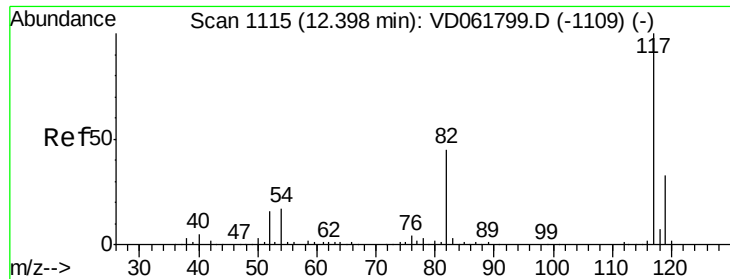


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

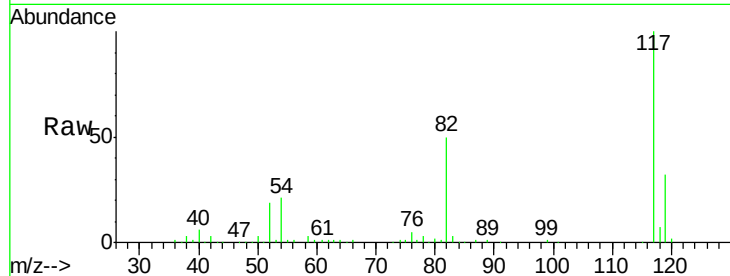




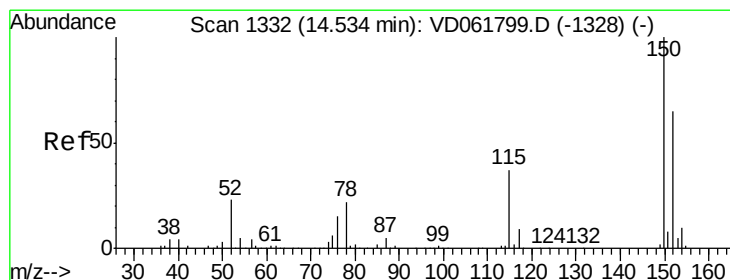
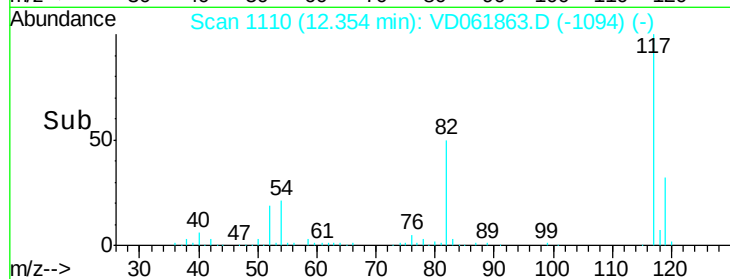
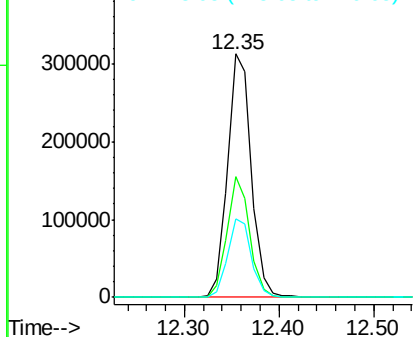
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.04 min
Lab File: VD061863.D
Acq: 17 Apr 2019 20:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 540578
Ion Ratio Lower Upper
117 100
82 49.6 36.2 54.2
119 32.3 26.2 39.4

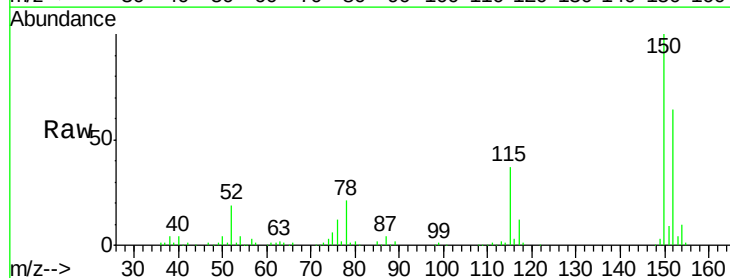


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

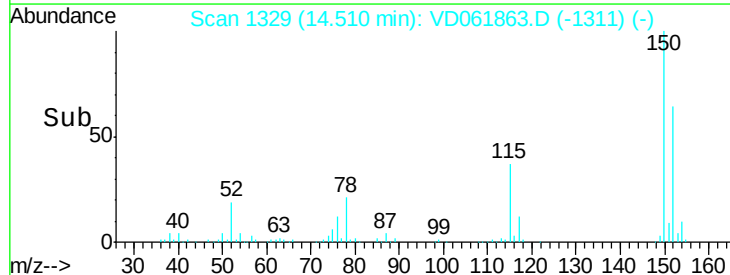
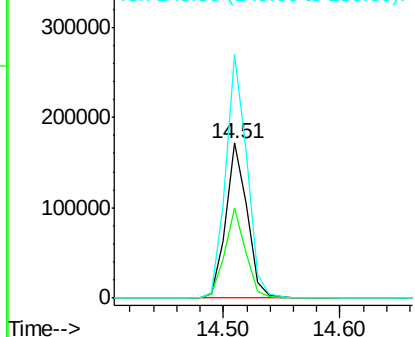


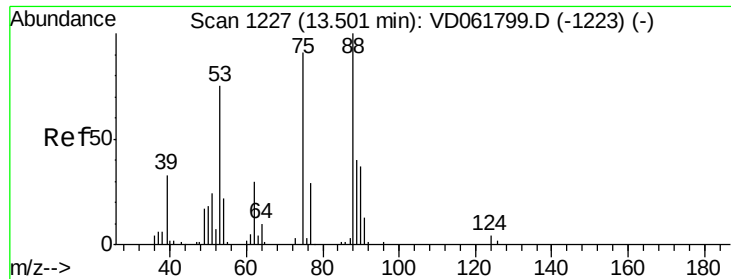
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD061863.D
Acq: 17 Apr 2019 20:07

Tgt Ion:152 Resp: 217387
Ion Ratio Lower Upper
152 100
115 58.3 30.9 92.7
150 157.1 0.0 314.8



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: 70.430 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.04 min

Lab File: VD061863.D

Acq: 17 Apr 2019 20:07

Instrument :

MSVOA_D

ClientSampleId :

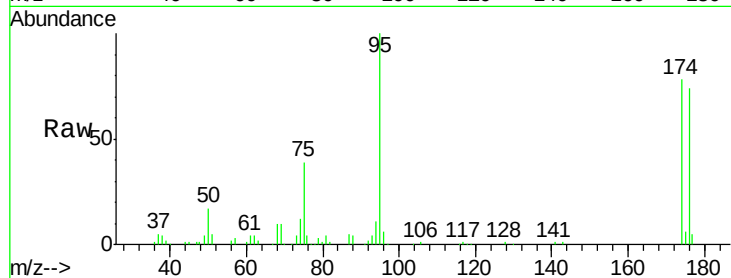
Tot Ion: 75 Resp: 66517

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

