

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061606.D
 Acq On : 5 Apr 2019 6:09
 Operator : VA/AP
 Sample : K2257-17
 Misc : 4.70g/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 06:45:24 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	103376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	195275	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	183633	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.50	152	70377	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	76522	86.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	173.30%	
35) Dibromofluoromethane	6.89	113	93052	62.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	124.72%	
50) Toluene-d8	10.37	98	163873	45.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.58%	
62) 4-Bromofluorobenzene	13.53	95	69659	50.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.50%	

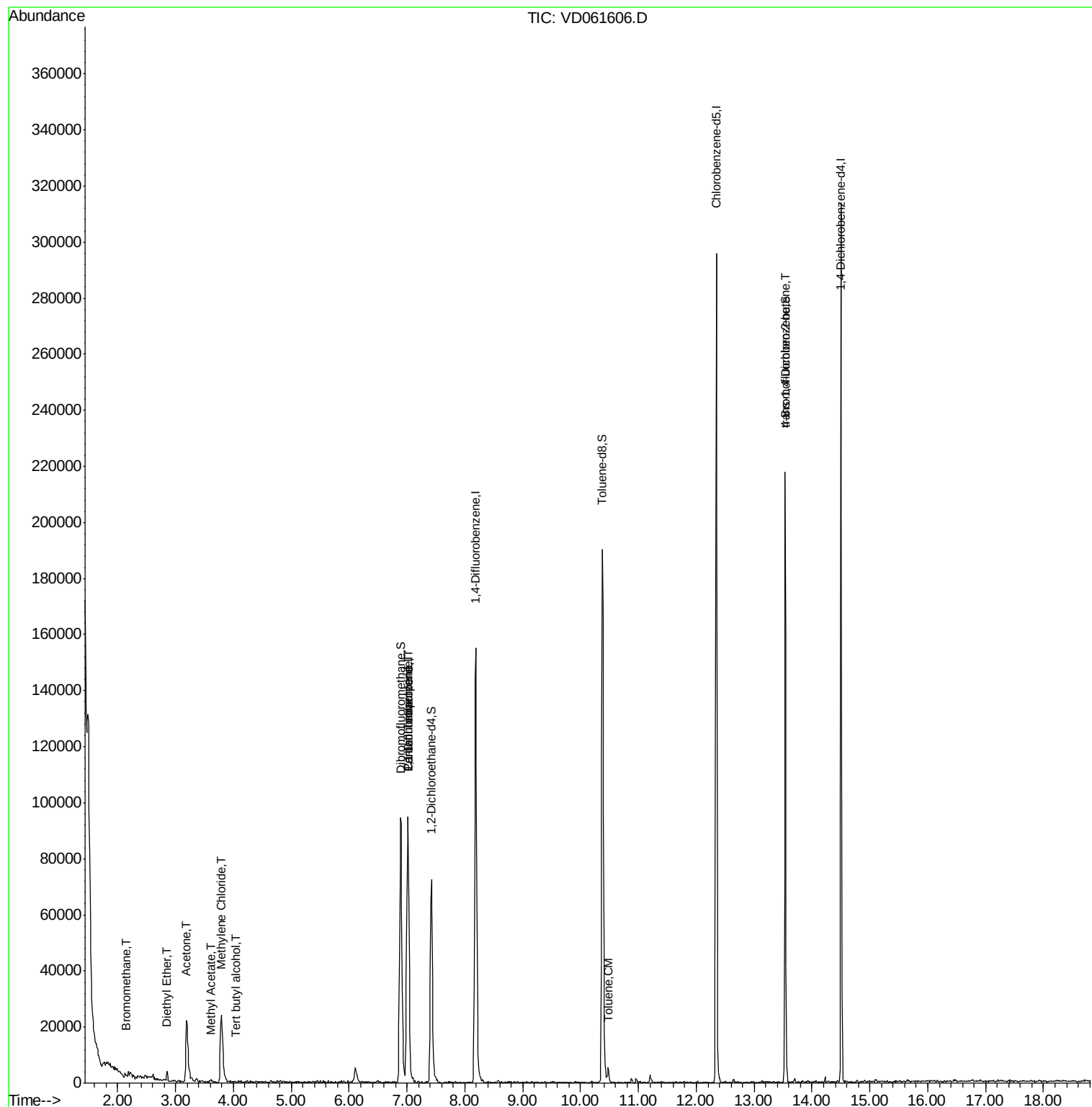
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	744	4.538	ug/l #	10
8) Diethyl Ether	2.84	74	756	1.953	ug/l	54
11) Tert butyl alcohol	4.03	59	186	3.382	ug/l #	76
16) Acetone	3.19	43	45192	199.075	ug/l	96
18) Methyl Acetate	3.62	43	707	1.481	ug/l #	55
20) Methylene Chloride	3.79	84	19958	14.324	ug/l	88
36) 1,1-Dichloropropene	7.02	75	6568	3.854	ug/l #	38
38) Carbon Tetrachloride	7.02	117	9793	5.000	ug/l #	10
52) Toluene	10.47	92	3209	1.230	ug/l	84
81) trans-1,4-Dichloro-2-buten	13.53	75	25198	81.293	ug/l #	18

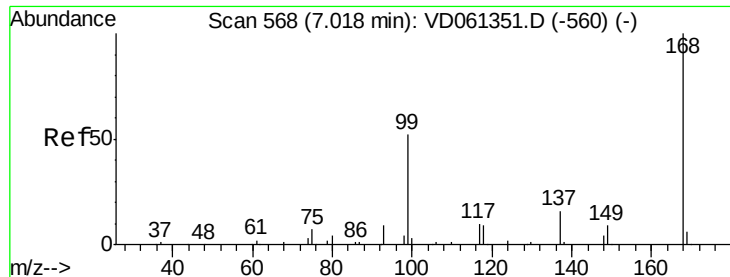
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
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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: VD061606.D

Acq: 5 Apr 2019 6:09

Instrument :

MSVOA_D

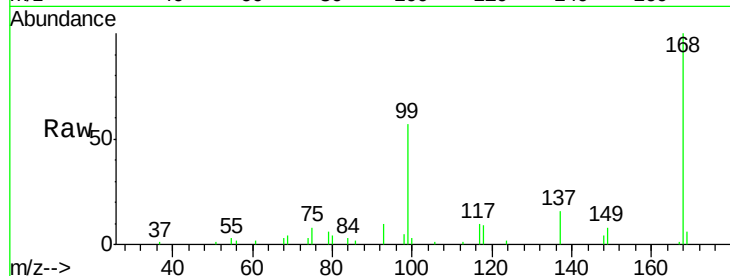
ClientSampleId :

Tot Ion:168 Resp: 103376

Ion Ratio Lower Upper

168 100

99 57.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

40000

30000

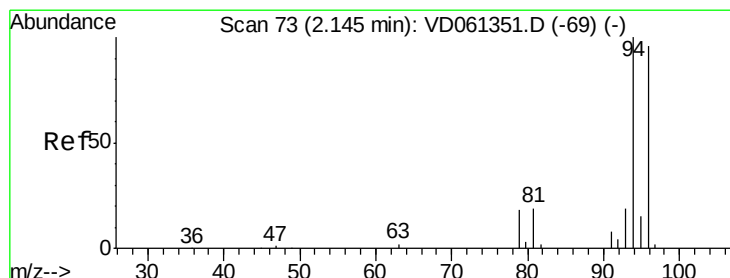
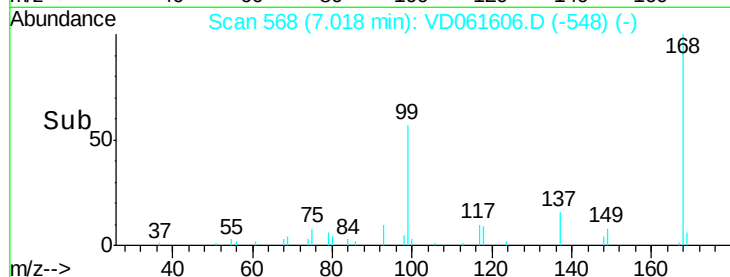
20000

10000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: 4.538 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD061606.D

Acq: 5 Apr 2019 6:09

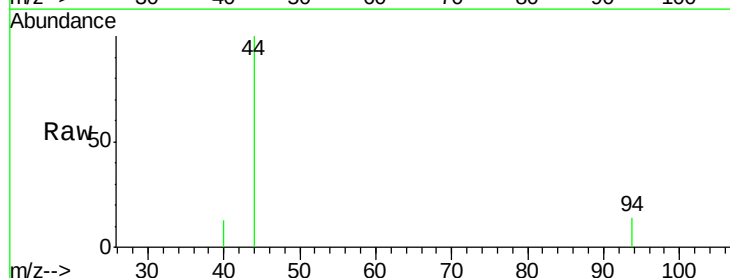
Tgt Ion: 94 Resp: 744

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

500

400

300

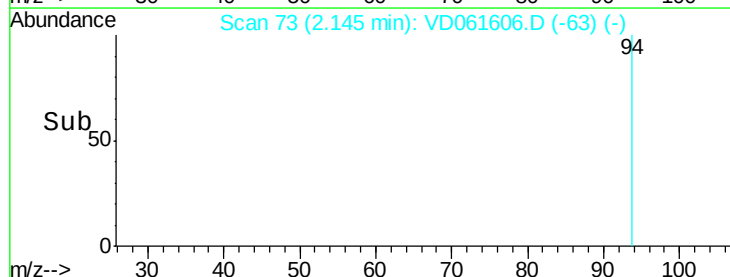
200

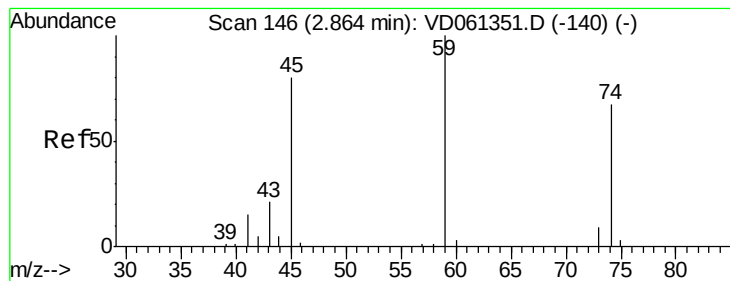
100

0

2.10 2.15

Time-->





#8

Diethyl Ether

Concen: 1.953 ug/l

RT: 2.84 min Scan# 144

Delta R.T. -0.02 min

Lab File: VD061606.D

Acq: 5 Apr 2019 6:09

Instrument :

MSVOA_D

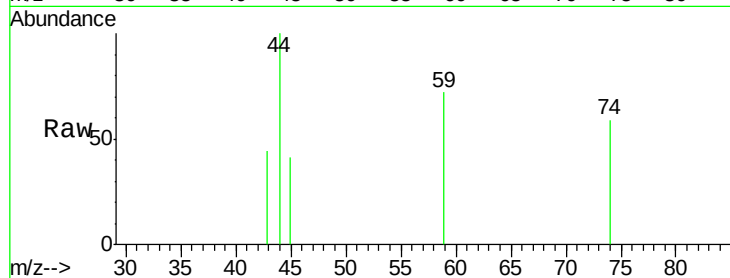
ClientSampleId :

Tot Ion: 74 Resp: 756

Ion Ratio Lower Upper

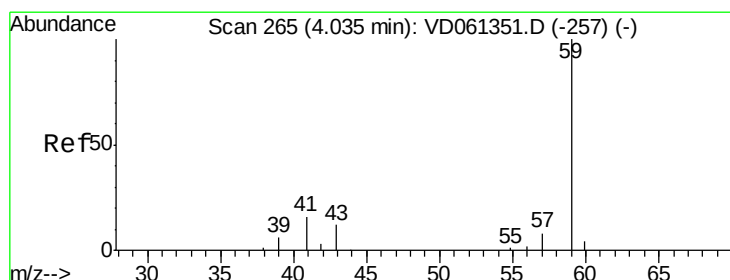
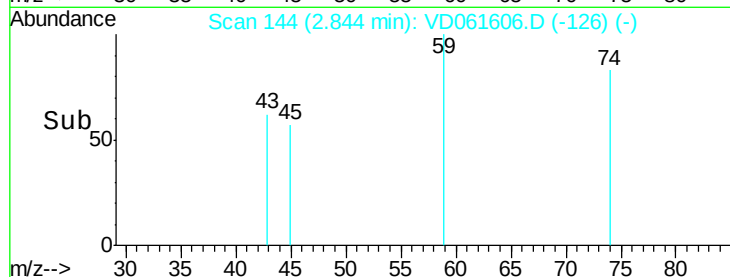
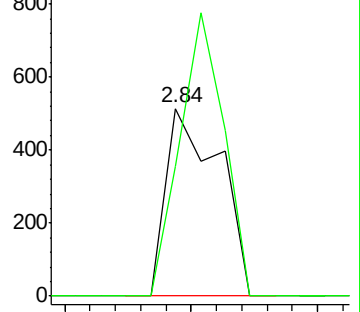
74 100

45 68.9 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 3.382 ug/l

RT: 4.03 min Scan# 265

Delta R.T. -0.00 min

Lab File: VD061606.D

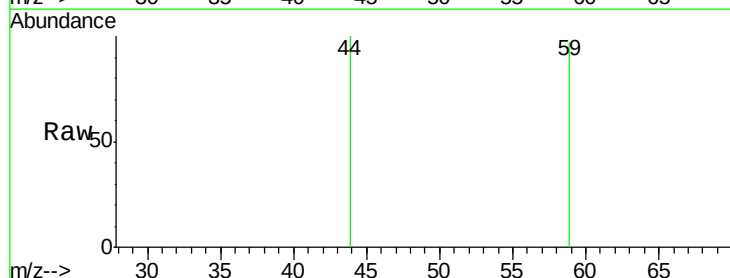
Acq: 5 Apr 2019 6:09

Tgt Ion: 59 Resp: 186

Ion Ratio Lower Upper

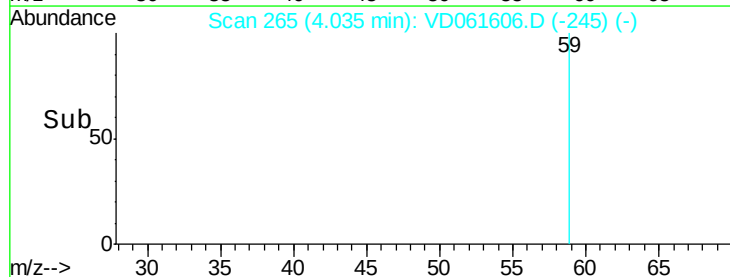
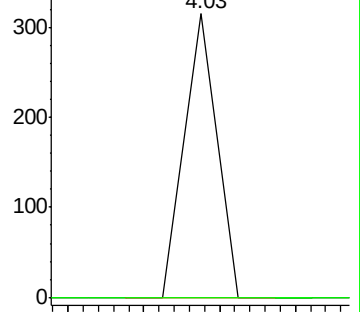
59 100

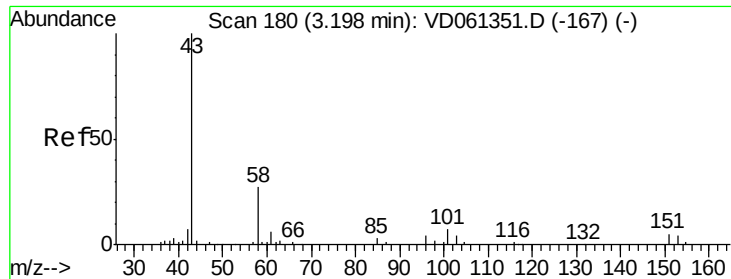
57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

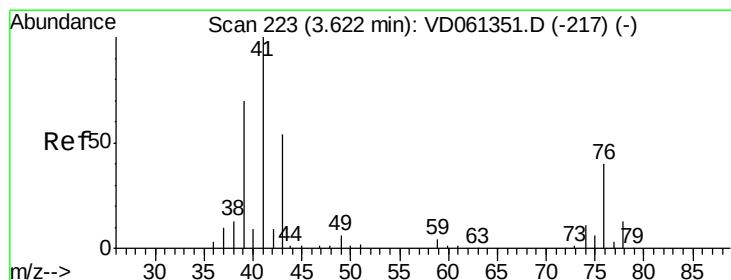
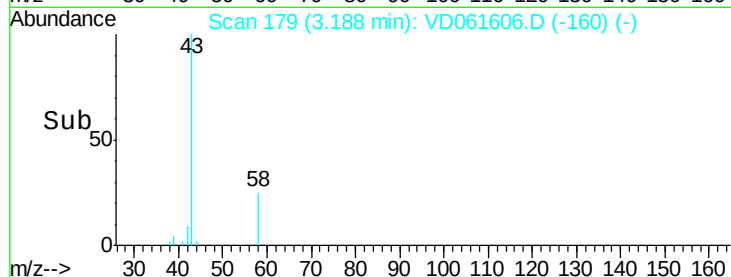
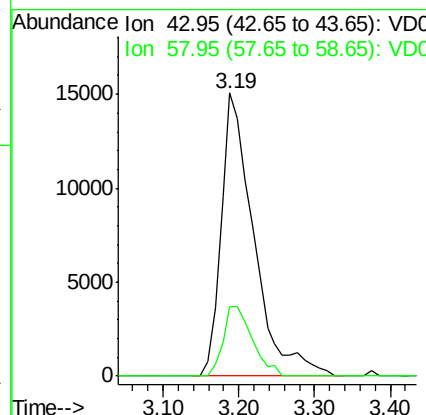
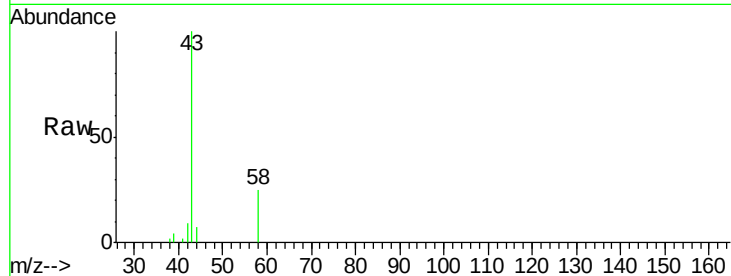




#16
Acetone
Concen: 199.075 ug/l
RT: 3.19 min Scan# 179
Delta R.T. -0.01 min
Lab File: VD061606.D
Acq: 5 Apr 2019 6:09

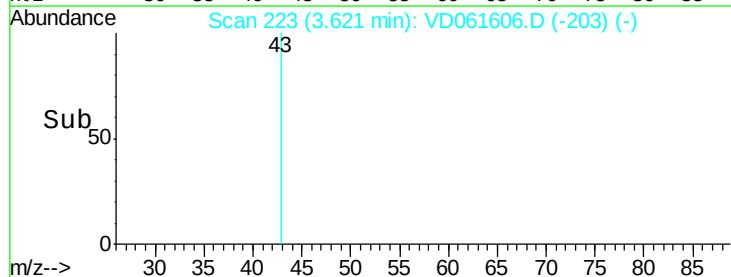
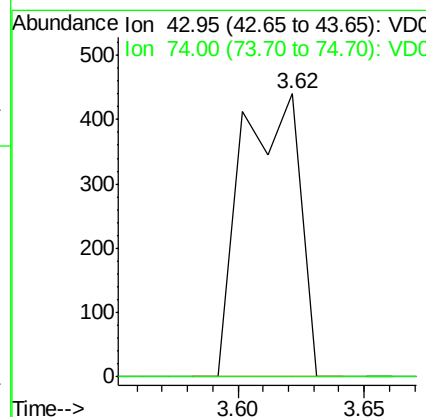
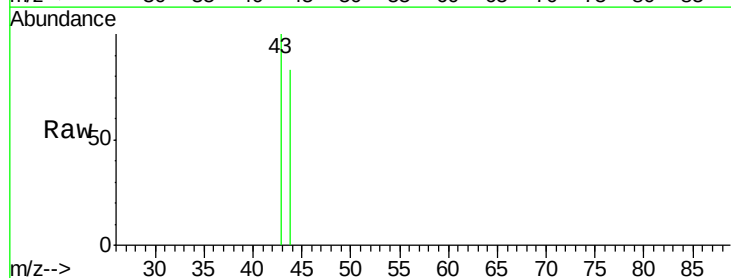
Instrument :
MSVOA_D
ClientSampleId :

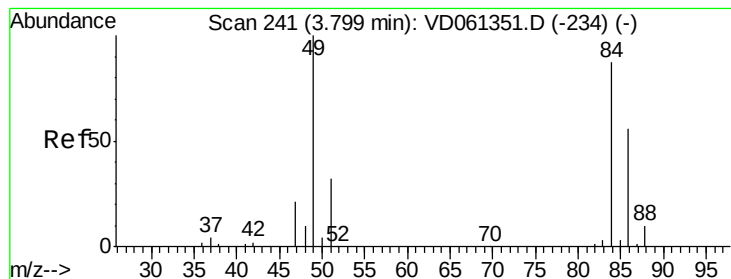
Tot Ion: 43 Resp: 45192
Ion Ratio Lower Upper
43 100
58 24.8 21.5 32.3



#18
Methyl Acetate
Concen: 1.481 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD061606.D
Acq: 5 Apr 2019 6:09

Tgt Ion: 43 Resp: 707
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#





#20

Methylene Chloride

Concen: 14.324 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD061606.D

Acq: 5 Apr 2019 6:09

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 19958

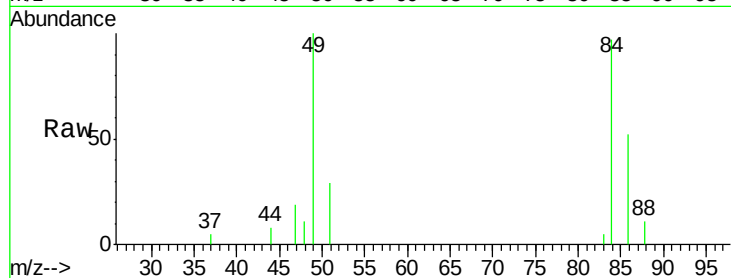
Ion Ratio Lower Upper

84 100

49 103.0 91.8 137.8

51 30.3 29.8 44.8

86 54.0 51.8 77.6

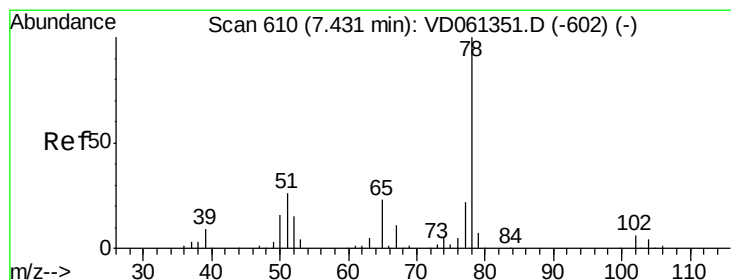
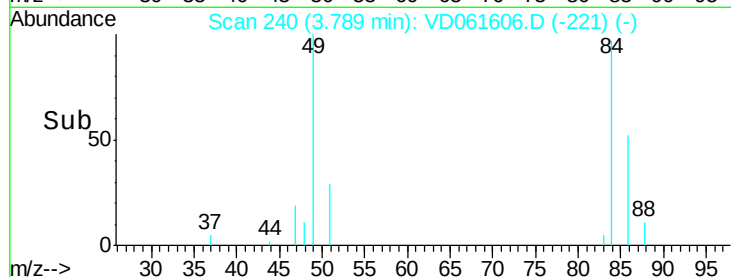
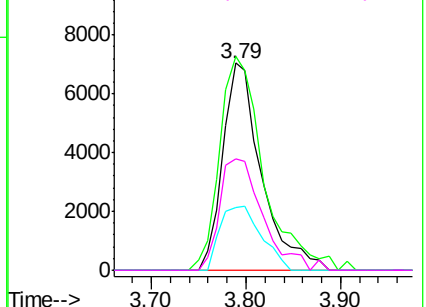


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.01 min

Lab File: VD061606.D

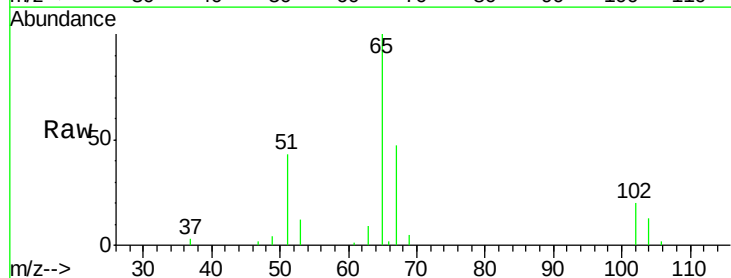
Acq: 5 Apr 2019 6:09

Tgt Ion: 65 Resp: 76522

Ion Ratio Lower Upper

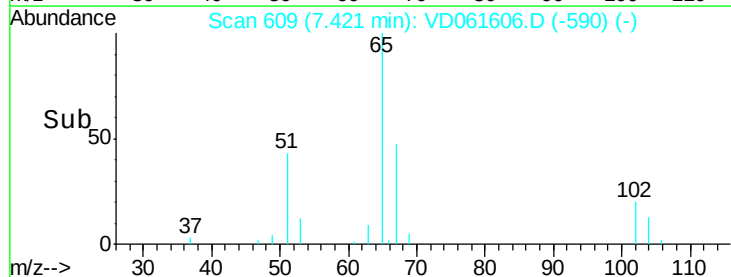
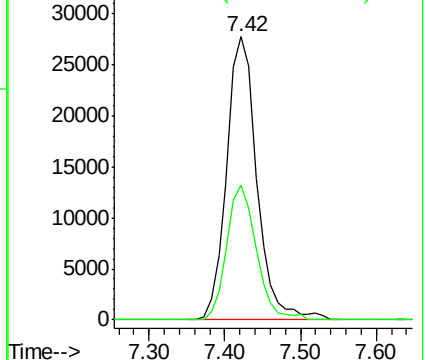
65 100

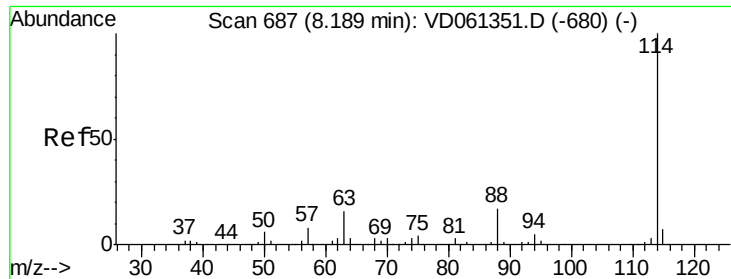
67 47.5 0.0 99.8



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: 8.19 min Scan# 687

Delta R.T. -0.00 min

Lab File: VD061606.D

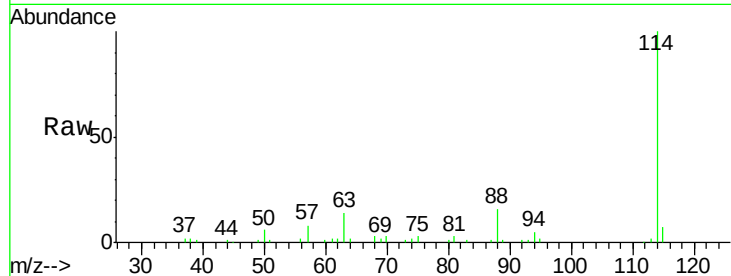
Acq: 5 Apr 2019 6:09

Instrument :

MSVOA_D

ClientSampled :

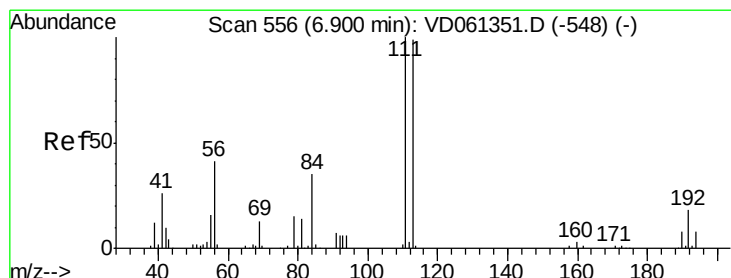
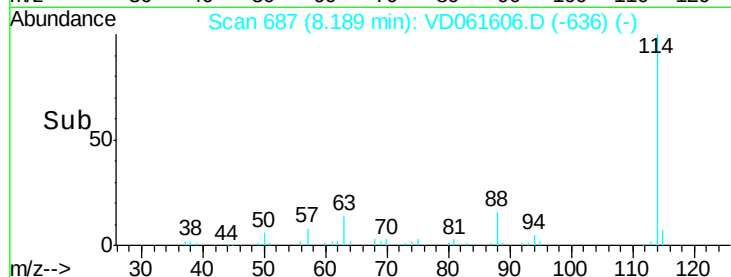
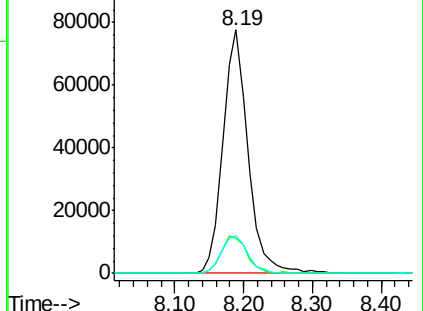
Tot Ion:114	Resp:	195275
Ion Ratio	Lower	Upper
114	100	
63	14.4	0.0 31.6
88	15.6	0.0 33.4



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

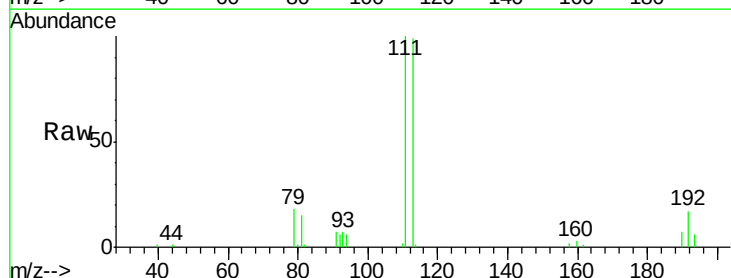
RT: 6.89 min Scan# 555

Delta R.T. -0.01 min

Lab File: VD061606.D

Acq: 5 Apr 2019 6:09

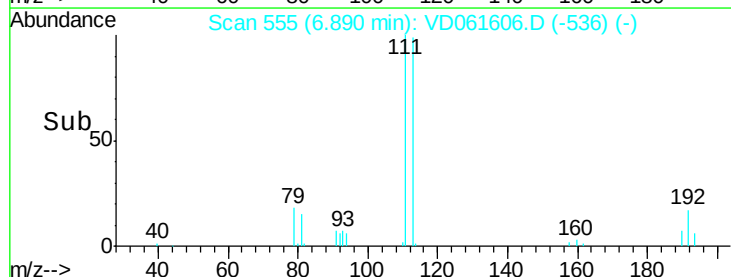
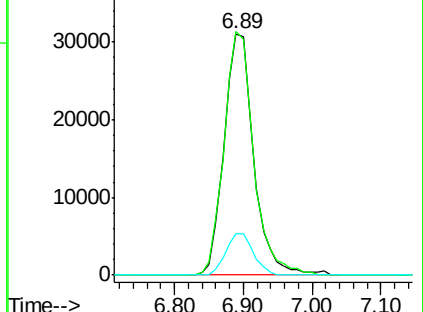
Tgt Ion:113	Resp:	93052
Ion Ratio	Lower	Upper
113	100	
111	101.0	81.0 121.6
192	17.3	14.4 21.6

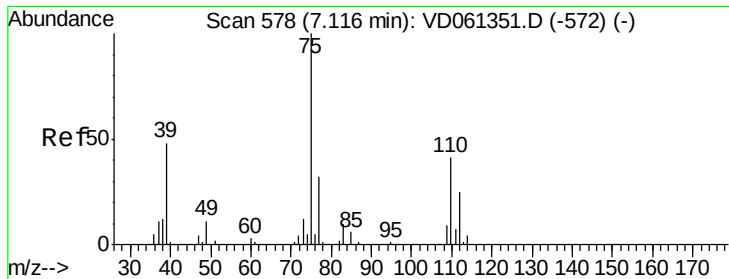


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

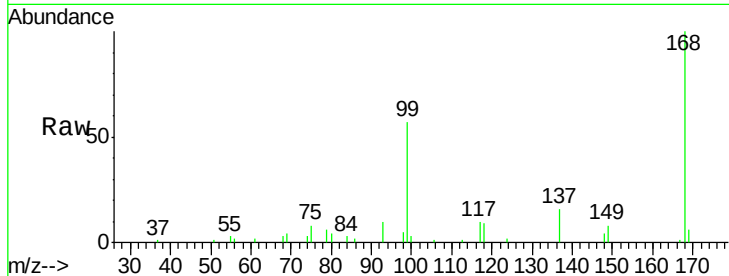




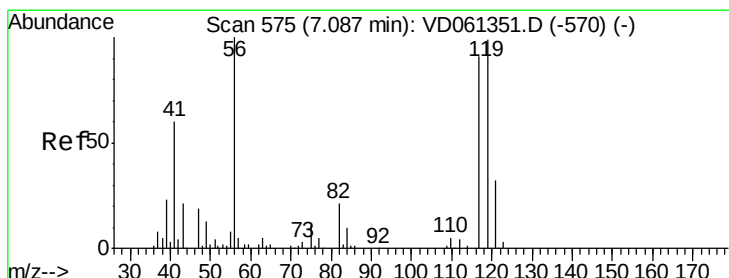
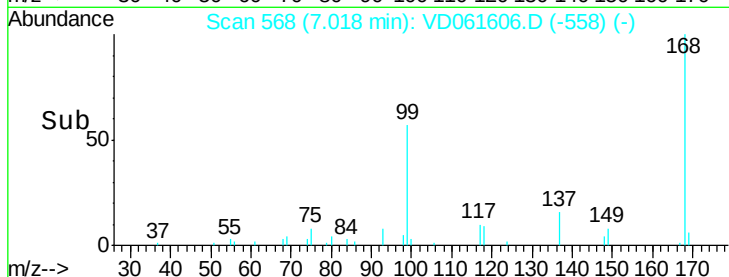
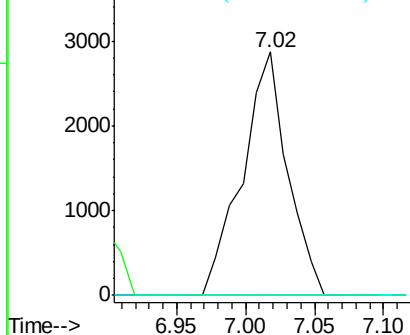
#36
 1,1-Dichloropropene
 Concen: 3.854 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.10 min
 Lab File: VD061606.D
 Acq: 5 Apr 2019 6:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	20.4	61.3#
77	0.0	24.9	37.3#

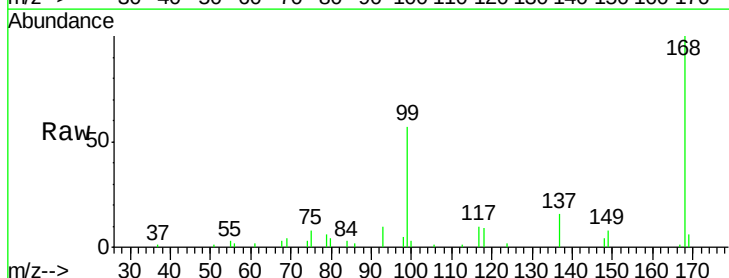


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

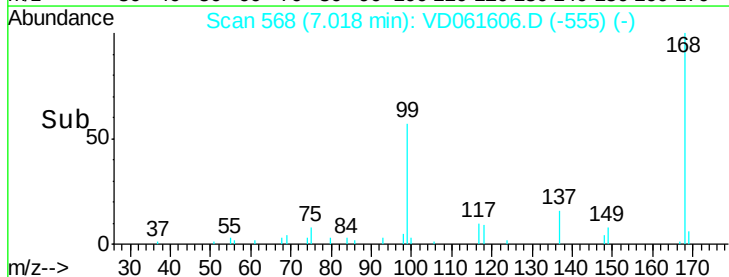
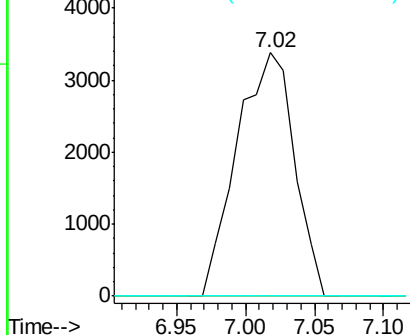


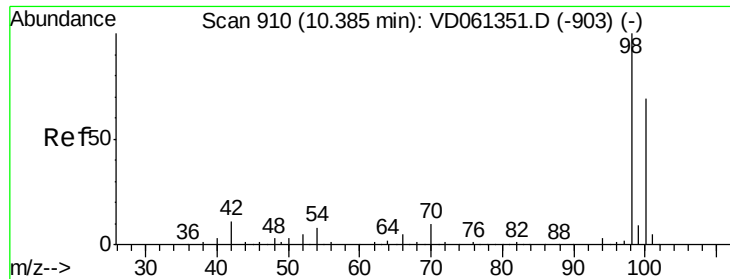
#38
 Carbon Tetrachloride
 Concen: 5.000 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.07 min
 Lab File: VD061606.D
 Acq: 5 Apr 2019 6:09

Tgt 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): VDC
 Ion 118.85 (118.55 to 119.55): VDC
 Ion 120.85 (120.55 to 121.55): VDC

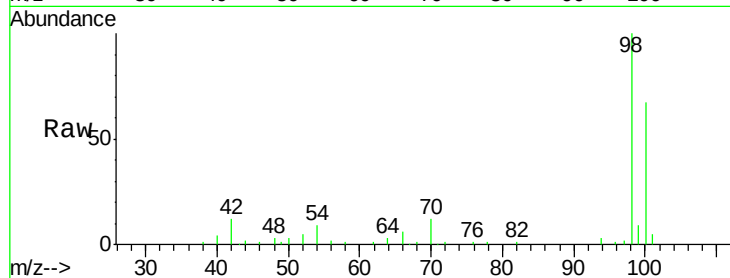




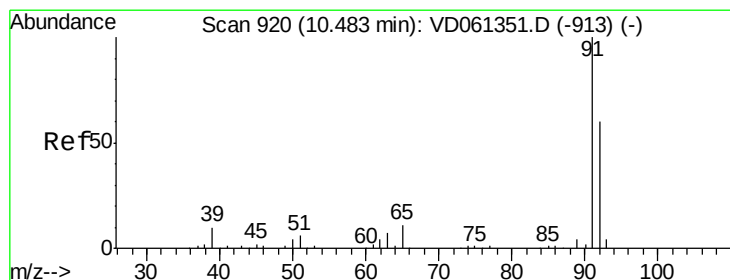
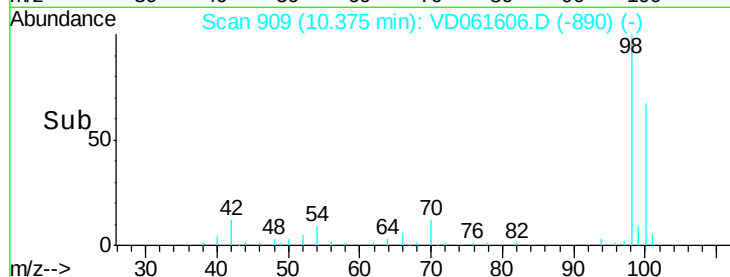
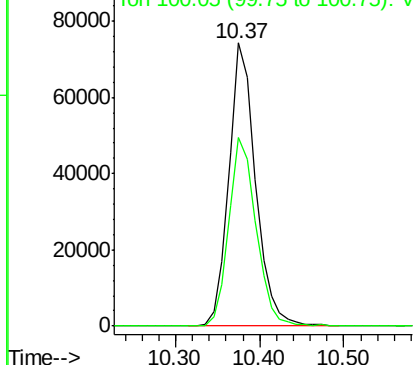
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.37 min Scan# 909
Delta R.T. -0.01 min
Lab File: VD061606.D
Acq: 5 Apr 2019 6:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 163873
Ion Ratio Lower Upper
98 100
100 66.8 56.2 84.2

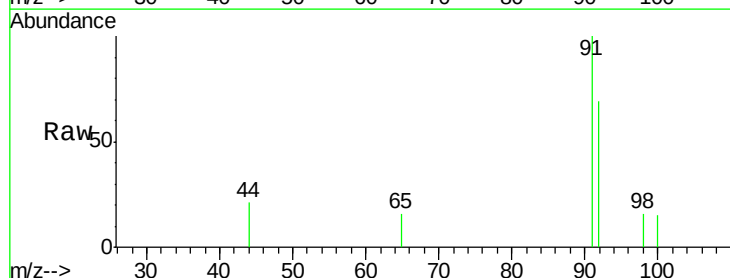


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

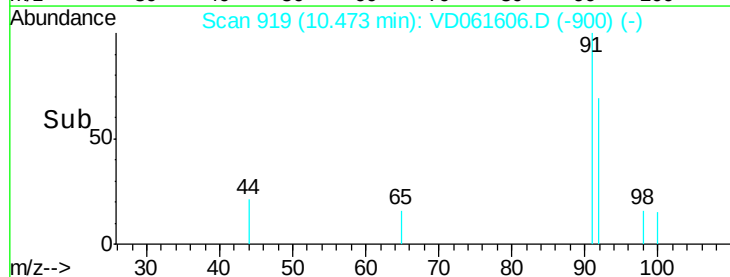
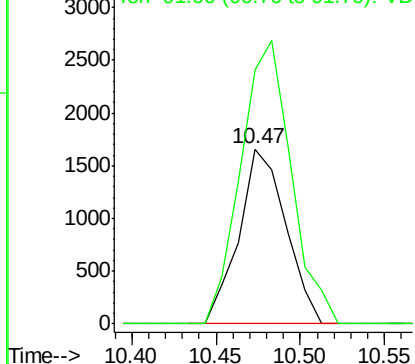


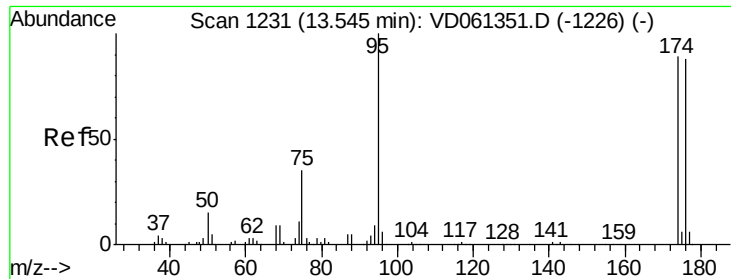
#52
Toluene
Concen: 1.230 ug/l
RT: 10.47 min Scan# 919
Delta R.T. -0.01 min
Lab File: VD061606.D
Acq: 5 Apr 2019 6:09

Tgt Ion: 92 Resp: 3209
Ion Ratio Lower Upper
92 100
91 145.2 133.3 199.9



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

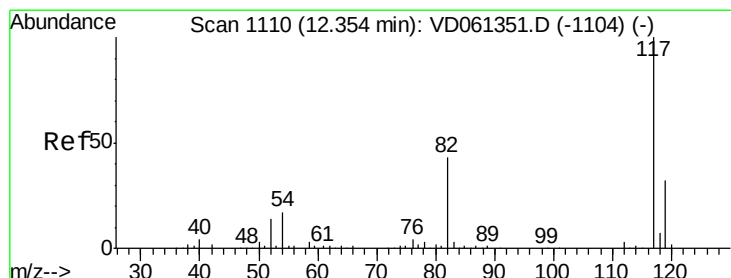
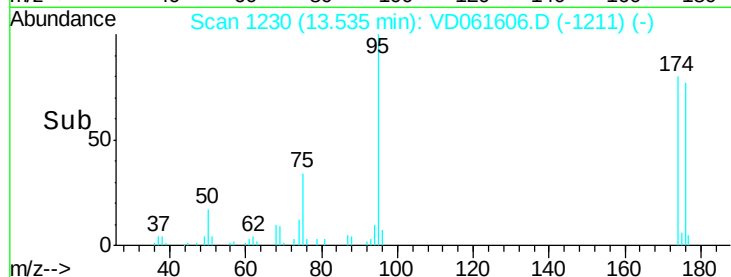
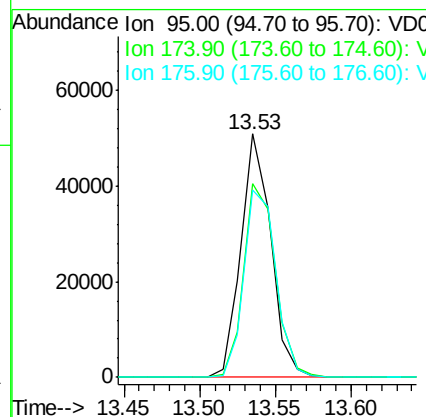
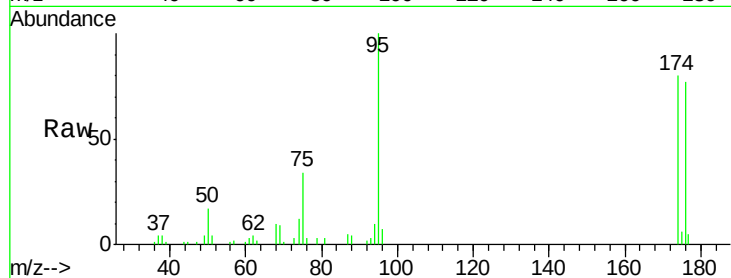




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.53 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VD061606.D
Acq: 5 Apr 2019 6:09

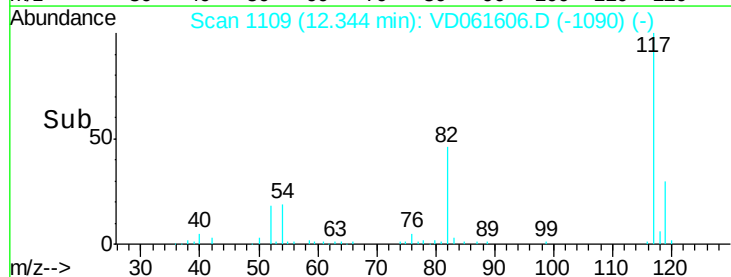
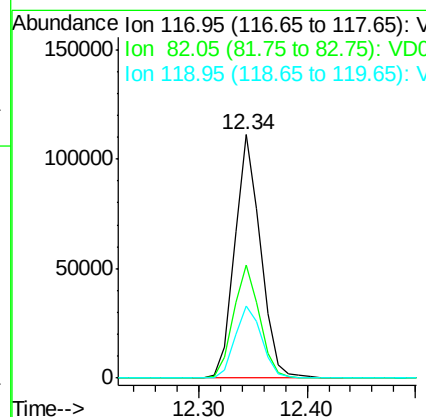
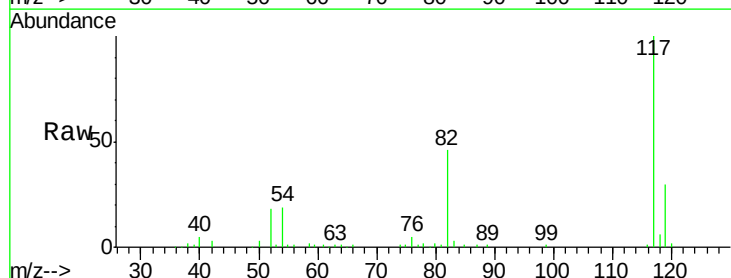
Instrument :
MSVOA_D
ClientSampleId :

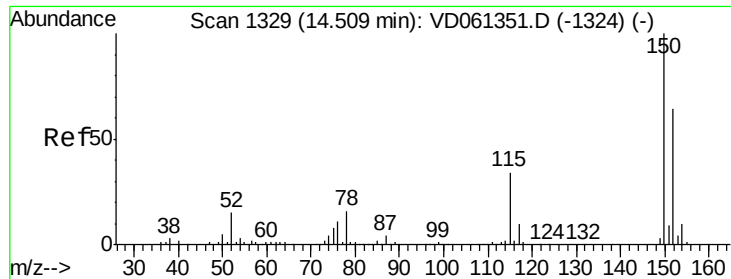
Tot Ion: 95 Resp: 69659
Ion Ratio Lower Upper
95 100
174 79.5 0.0 178.0
176 76.9 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061606.D
Acq: 5 Apr 2019 6:09

Tgt Ion: 117 Resp: 183633
Ion Ratio Lower Upper
117 100
82 46.3 34.4 51.6
119 29.7 25.8 38.6



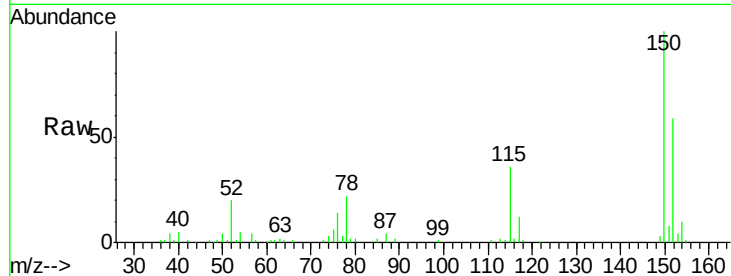


#72

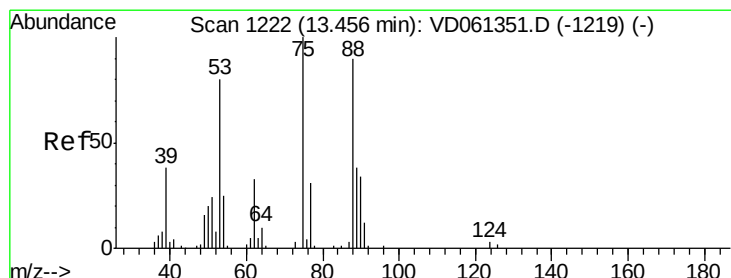
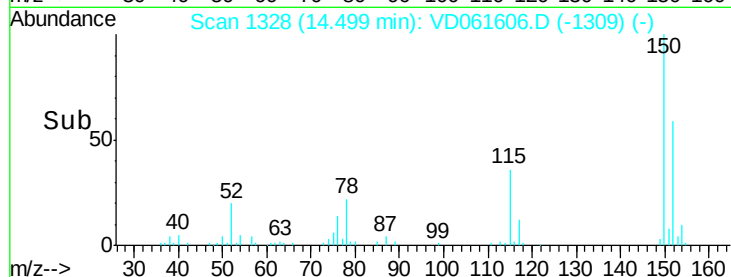
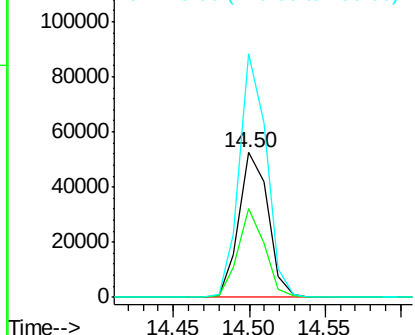
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VD061606.D
Acq: 5 Apr 2019 6:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 70377
Ion Ratio Lower Upper
152 100
115 60.9 26.9 80.6
150 168.2 0.0 318.0



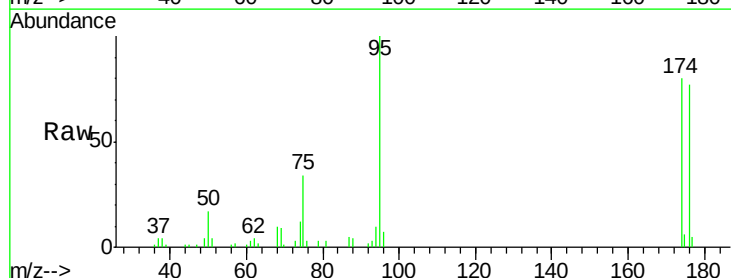
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 81.293 ug/l
RT: 13.53 min Scan# 1230
Delta R.T. 0.08 min
Lab File: VD061606.D
Acq: 5 Apr 2019 6:09

Tgt Ion: 75 Resp: 25198
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

