

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061819.D
 Acq On : 16 Apr 2019 19:22
 Operator : VA/AP
 Sample : K2373-01
 Misc : 5.13g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 17 00:59:10 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	7.02	168	19516	50.00	ug/l	-0.07
34) 1,4-Difluorobenzene	8.21	114	76167	50.00	ug/l	-0.05
63) Chlorobenzene-d5	12.39	117	83767	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	12203	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.53	65	23595	144.26	ug/l	0.04
Spiked Amount				50.000		
			Recovery	=	288.52%	
35) Dibromofluoromethane	7.06	113	16861	29.30	ug/l	0.09
Spiked Amount				50.000		
			Recovery	=	58.60%	
50) Toluene-d8	10.43	98	81537	59.80	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	119.60%	
62) 4-Bromofluorobenzene	13.57	95	18556	33.58	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	67.16%	

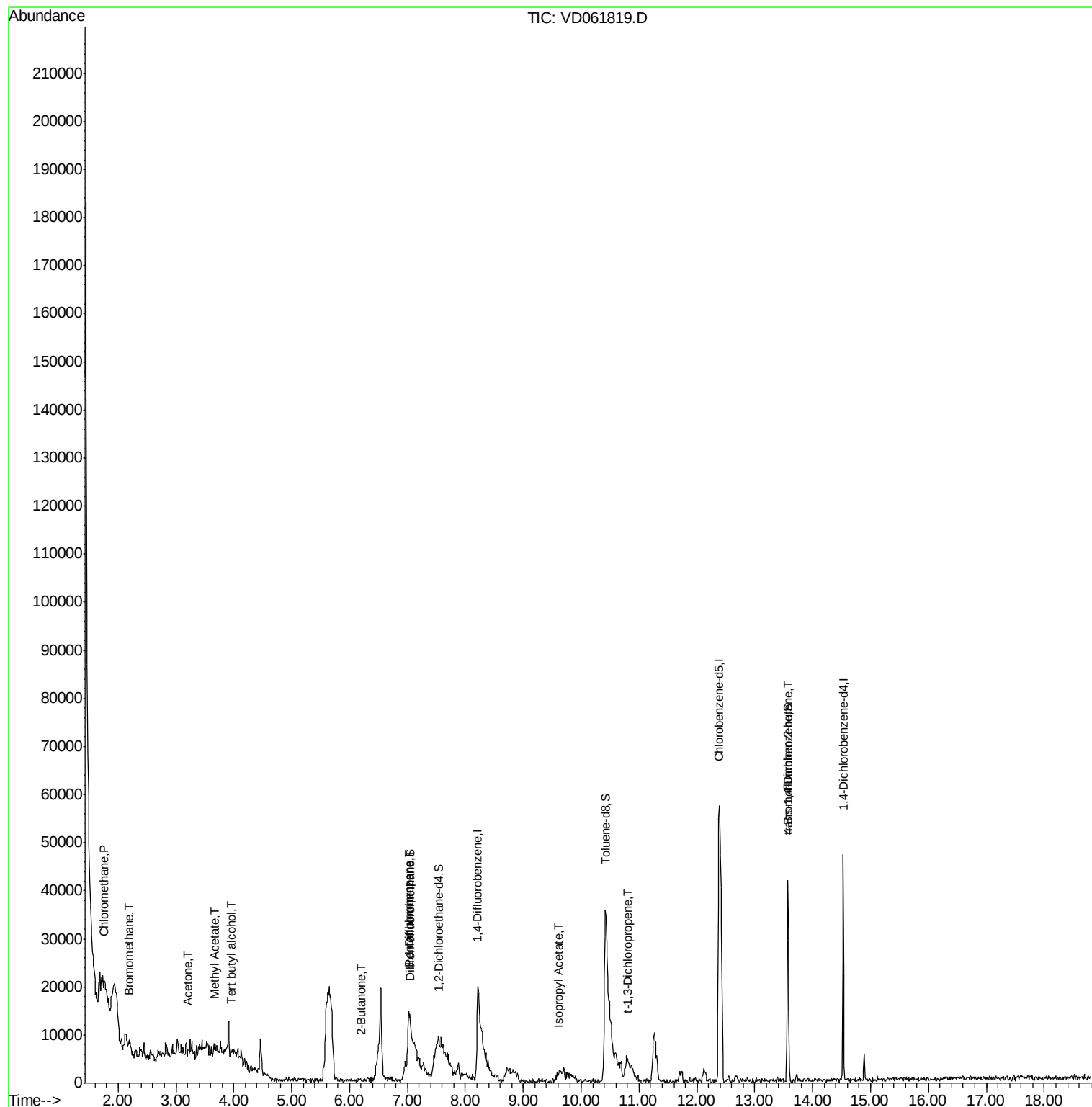
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.78	50	5230	34.452	ug/l	94
5) Bromomethane	2.18	94	1779	52.983	ug/l #	12
11) Tert butyl alcohol	3.95	59	423	43.854	ug/l #	76
16) Acetone	3.21	43	912	22.624	ug/l #	50
18) Methyl Acetate	3.68	43	7298	90.324	ug/l	97
20) Methylene Chloride	3.88	84	455	Below Cal	#	8
25) 2-Butanone	6.21	43	189	4.118	ug/l #	56
36) 1,1-Dichloropropene	7.02	75	1038	1.668	ug/l #	40
43) Isopropyl Acetate	9.60	43	444	1.184	ug/l #	43
53) t-1,3-Dichloropropene	10.80	75	12705	22.038	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.57	75	7949	146.186	ug/l #	16

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

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD061819.D

Acq: 16 Apr 2019 19:22

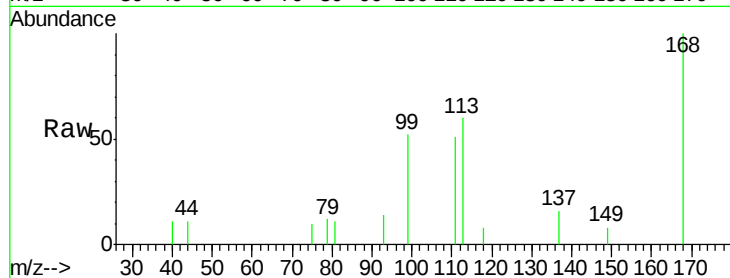
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 19516

Ion Ratio Lower Upper

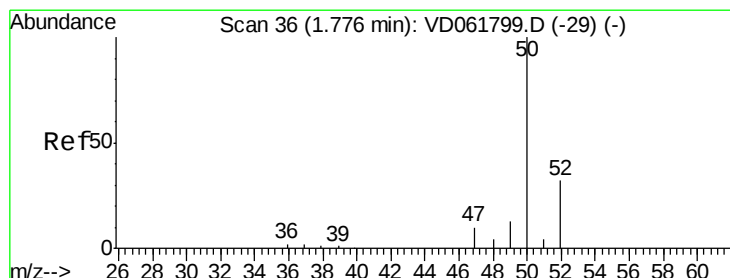
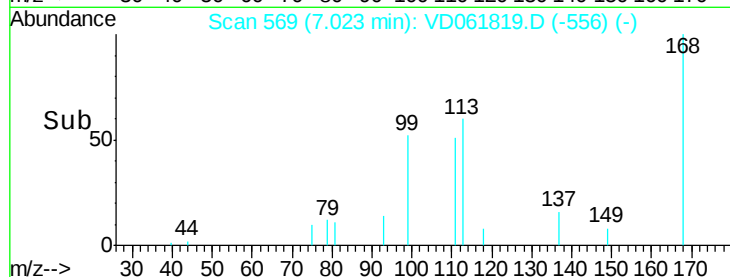
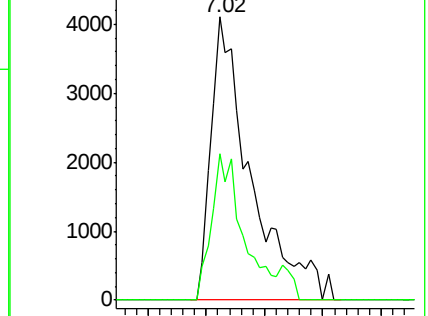
168 100

99 51.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 34.452 ug/l

RT: 1.78 min Scan# 36

Delta R.T. -0.00 min

Lab File: VD061819.D

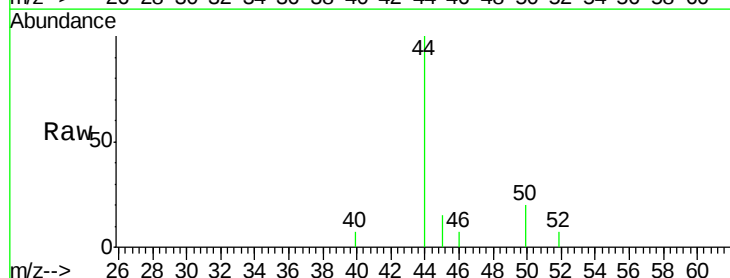
Acq: 16 Apr 2019 19:22

Tgt Ion: 50 Resp: 5230

Ion Ratio Lower Upper

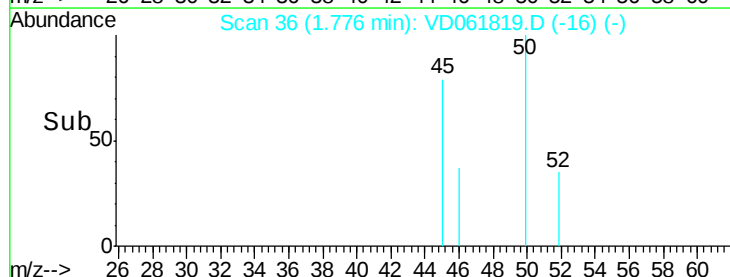
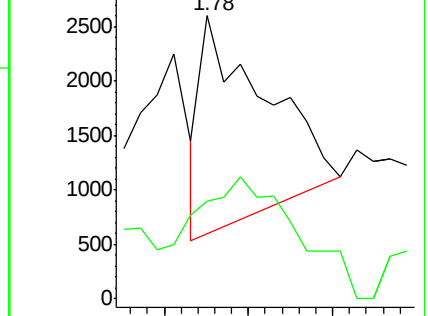
50 100

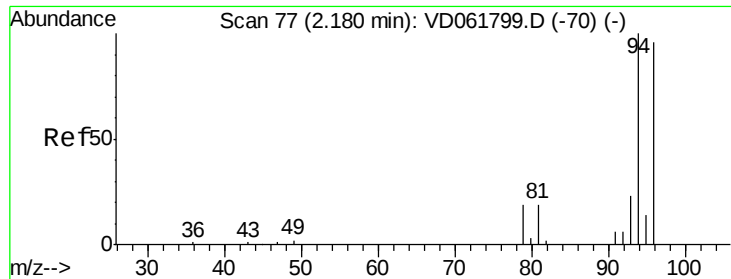
52 34.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

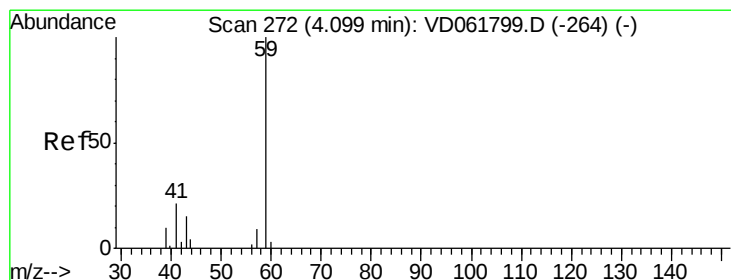
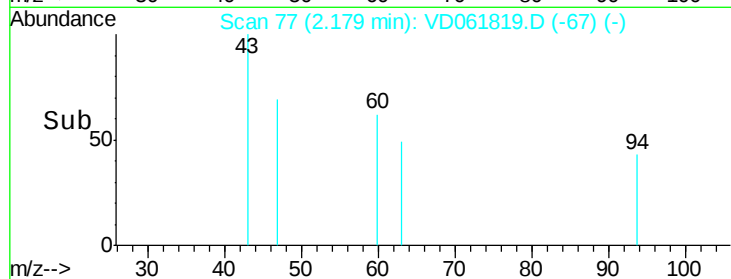
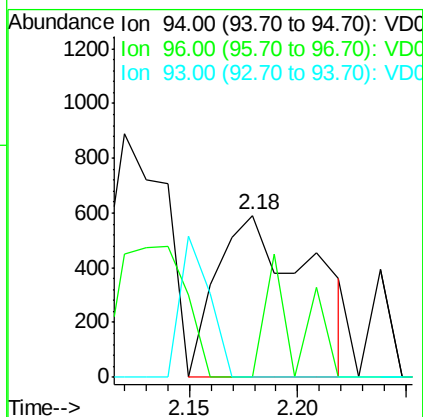
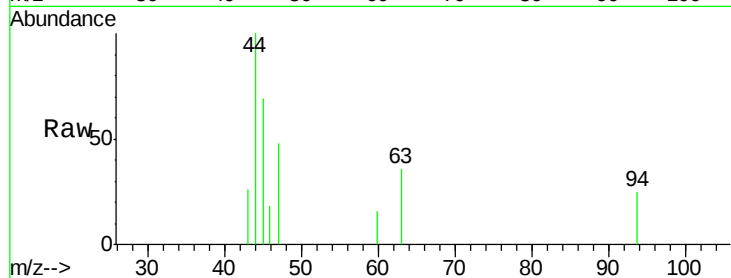




#5
Bromomethane
Concen: 52.983 ug/l
RT: 2.18 min Scan# 77
Delta R.T. 0.00 min
Lab File: VD061819.D
Acq: 16 Apr 2019 19:22

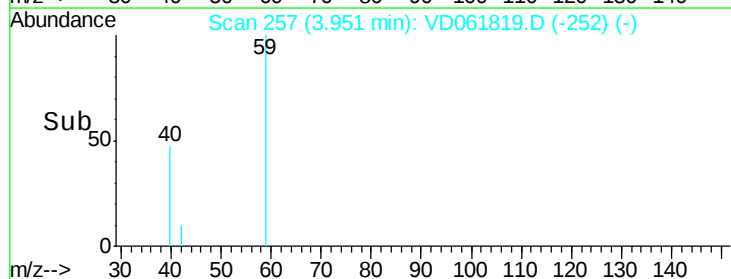
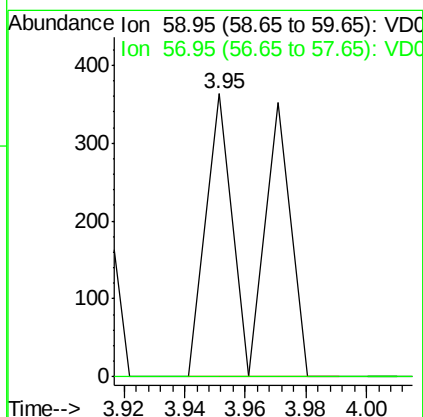
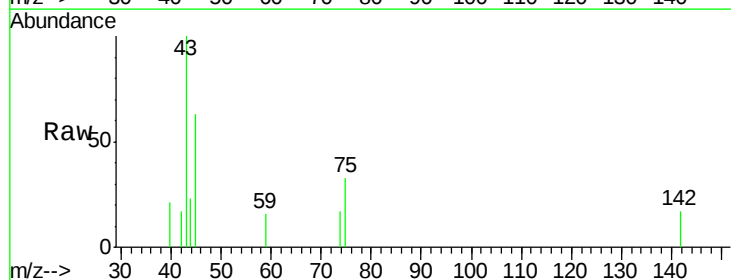
Instrument :
MSVOA_D
ClientSampled :

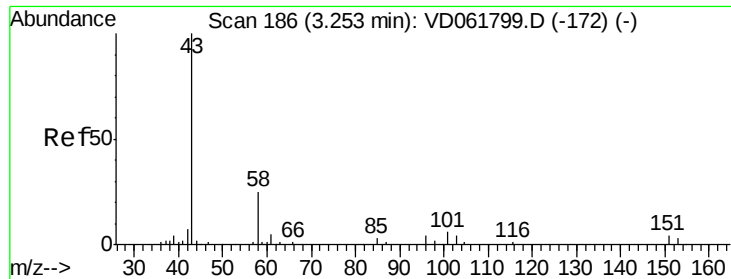
Tot Ion: 94 Resp: 1779
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#
93 0.0 18.5 27.7#



#11
Tert butyl alcohol
Concen: 43.854 ug/l
RT: 3.95 min Scan# 257
Delta R.T. -0.15 min
Lab File: VD061819.D
Acq: 16 Apr 2019 19:22

Tgt Ion: 59 Resp: 423
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#





#16

Acetone

Concen: 22.624 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.04 min

Lab File: VD061819.D

Acq: 16 Apr 2019 19:22

Instrument :

MSVOA_D

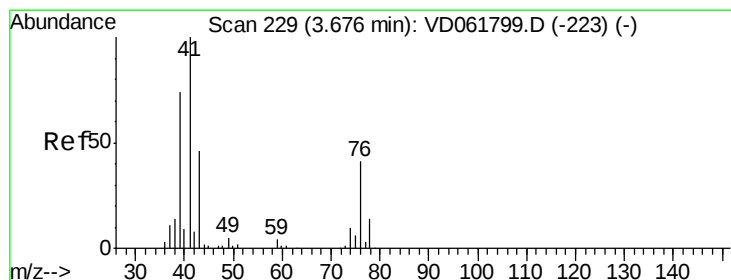
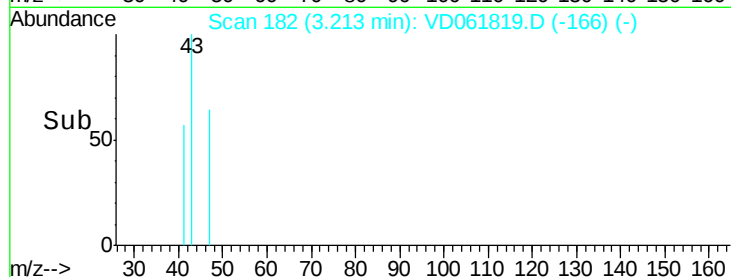
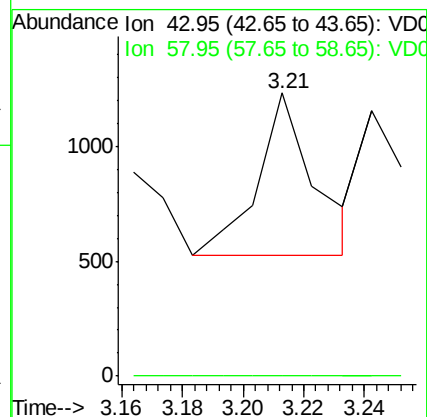
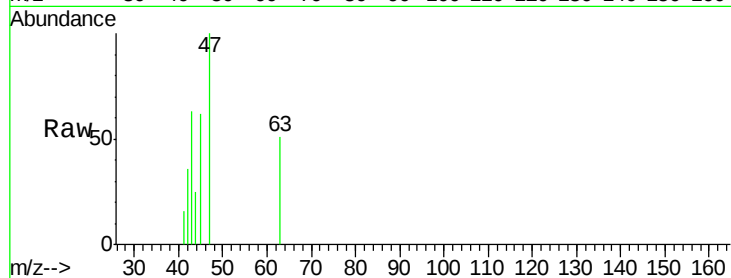
ClientSampleId :

Tot Ion: 43 Resp: 912

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



#18

Methyl Acetate

Concen: 90.324 ug/l

RT: 3.68 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD061819.D

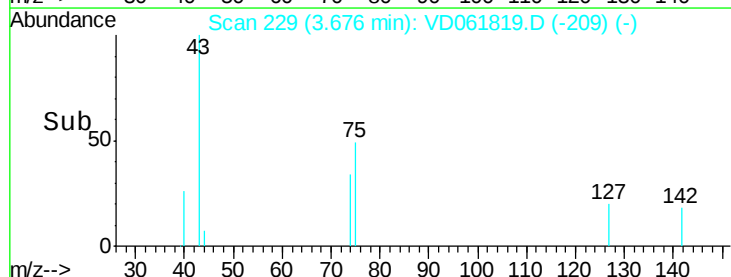
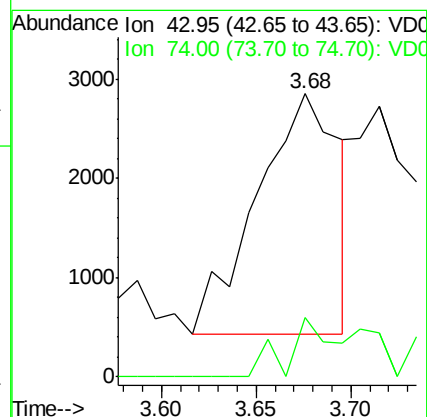
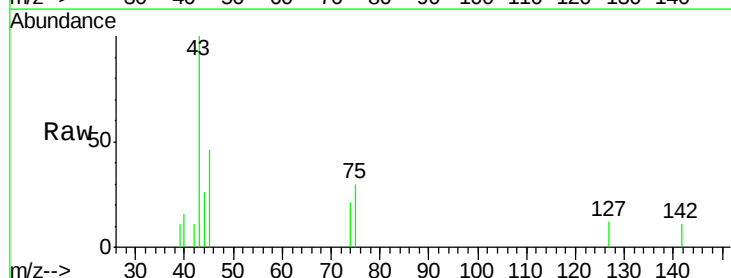
Acq: 16 Apr 2019 19:22

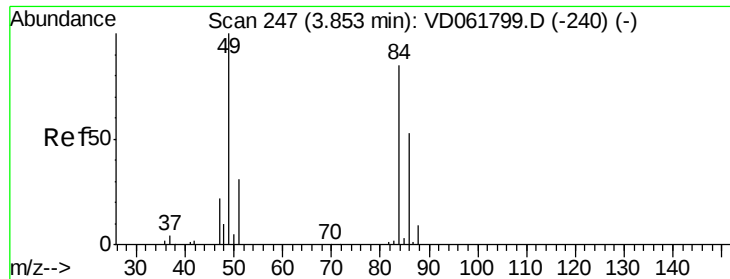
Tgt Ion: 43 Resp: 7298

Ion Ratio Lower Upper

43 100

74 20.9 18.0 27.0

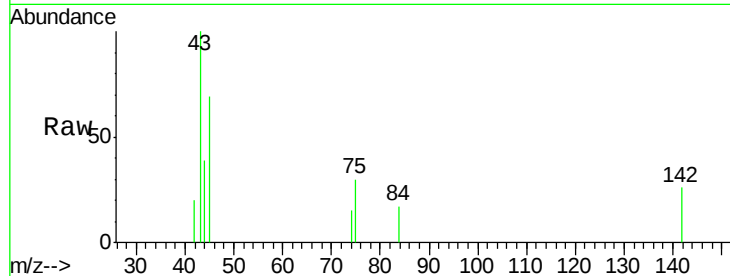




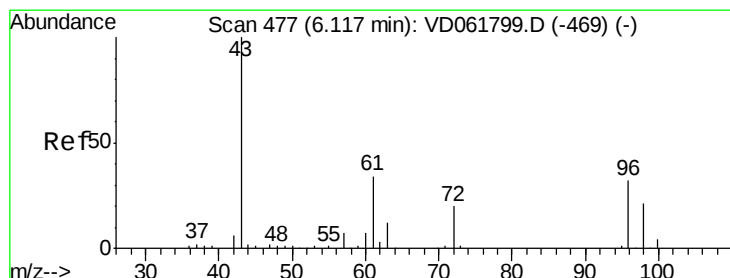
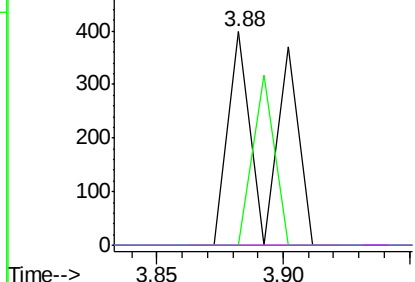
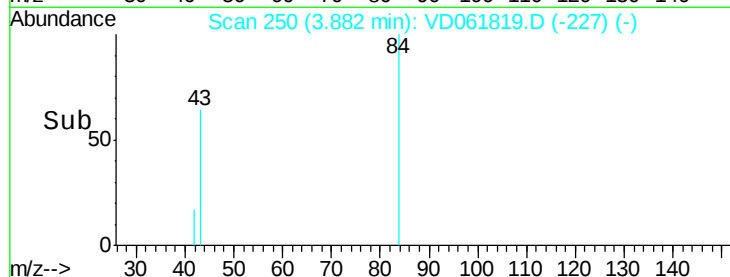
#20
Methvlene Chloride
Concen: Below Cal
RT: 3.88 min Scan# 250
Delta R.T. 0.03 min
Lab File: VD061819.D
Acq: 16 Apr 2019 19:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 455
Ion Ratio Lower Upper
84 100
49 0.0 94.0 141.0#
51 0.0 29.0 43.4#
86 0.0 49.8 74.6#

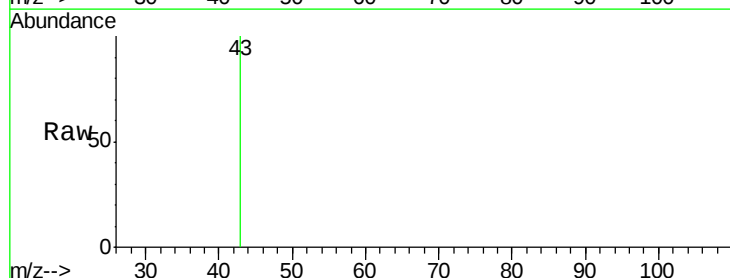


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

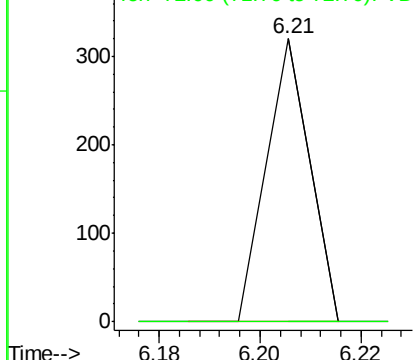
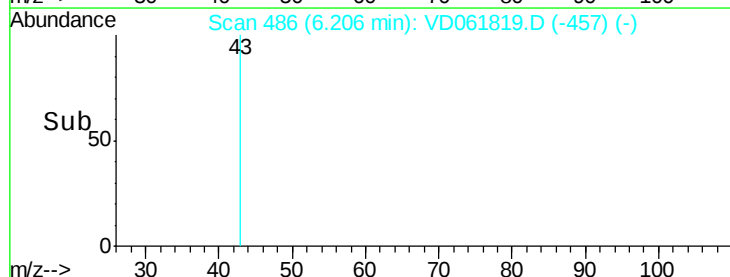


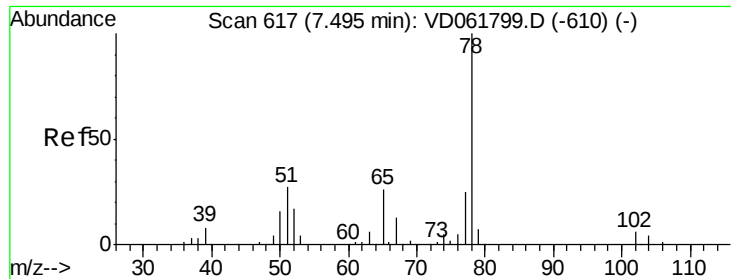
#25
2-Butanone
Concen: 4.118 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.09 min
Lab File: VD061819.D
Acq: 16 Apr 2019 19:22

Tgt Ion: 43 Resp: 189
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.53 min Scan# 621

Delta R.T. 0.04 min

Lab File: VD061819.D

Acq: 16 Apr 2019 19:22

Instrument :

MSVOA_D

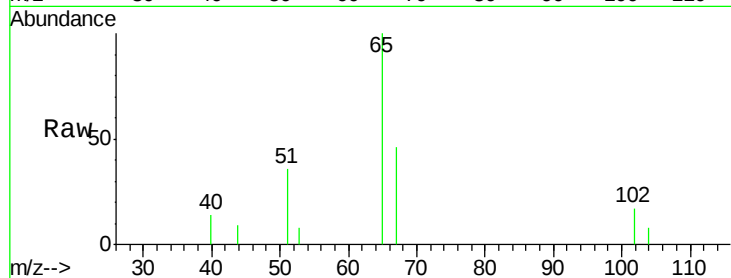
ClientSampled :

Tot Ion: 65 Resp: 23595

Ion Ratio Lower Upper

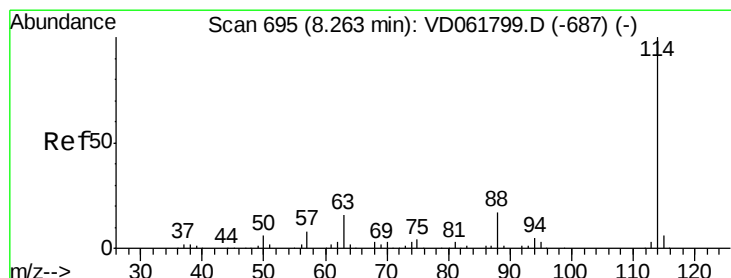
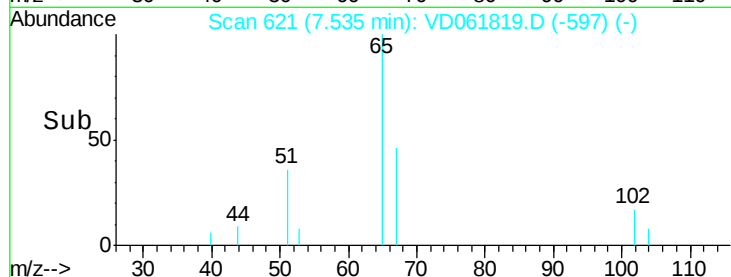
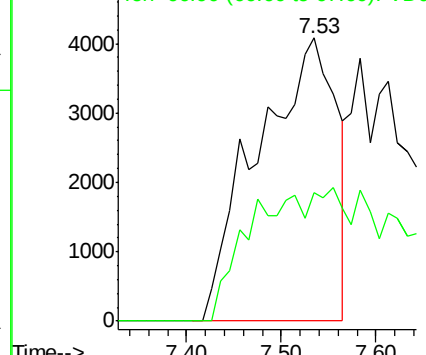
65 100

67 45.6 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# 690

Delta R.T. -0.05 min

Lab File: VD061819.D

Acq: 16 Apr 2019 19:22

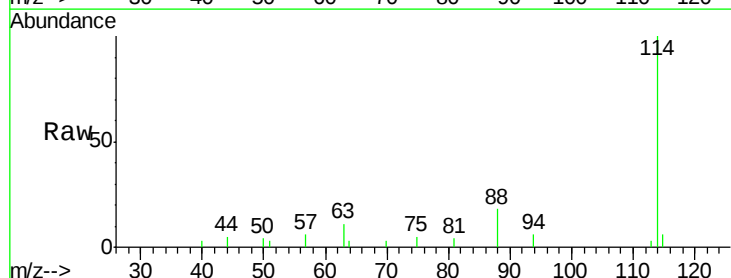
Tgt Ion: 114 Resp: 76167

Ion Ratio Lower Upper

114 100

63 11.5 0.0 32.4

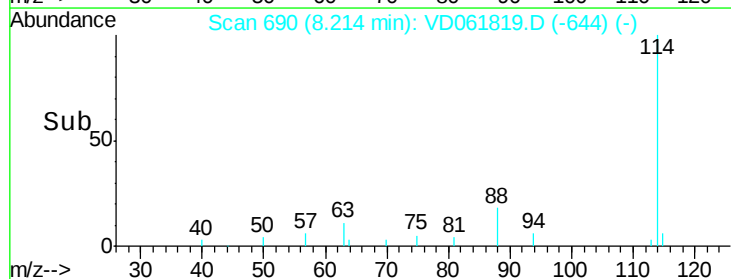
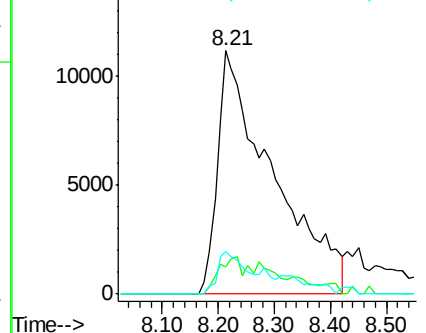
88 17.6 0.0 33.6

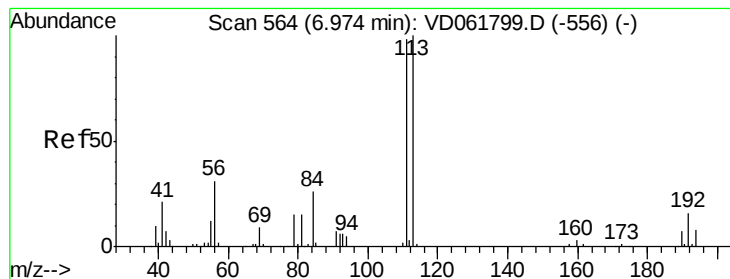


Abundance Ion 114.00 (113.70 to 114.70): V

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: 7.06 min Scan# 573

Delta R.T. 0.09 min

Lab File: VD061819.D

Acq: 16 Apr 2019 19:22

Instrument :
MSVOA_D
ClientSampled :

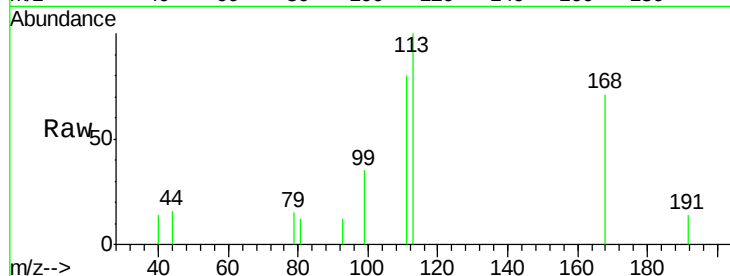
Tot Ion:113 Resp: 16861

Ion Ratio Lower Upper

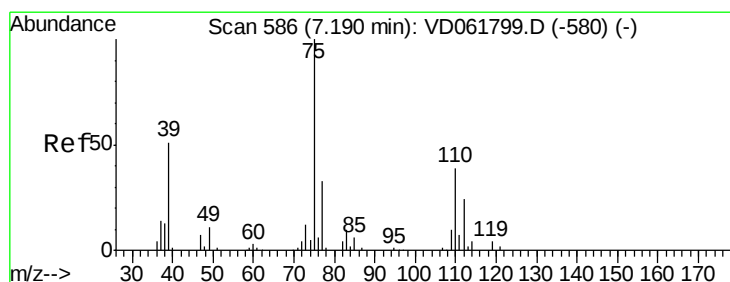
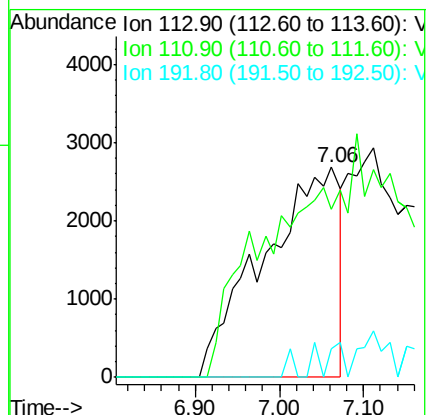
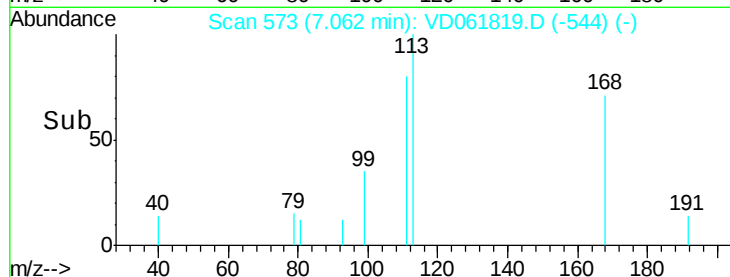
113 100

111 80.4 78.5 117.7

192 13.7 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: 1.668 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.17 min

Lab File: VD061819.D

Acq: 16 Apr 2019 19:22

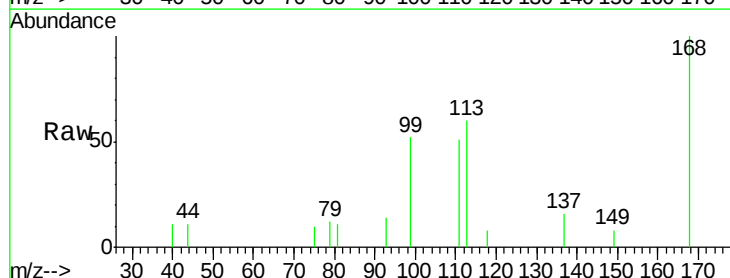
Tgt Ion: 75 Resp: 1038

Ion Ratio Lower Upper

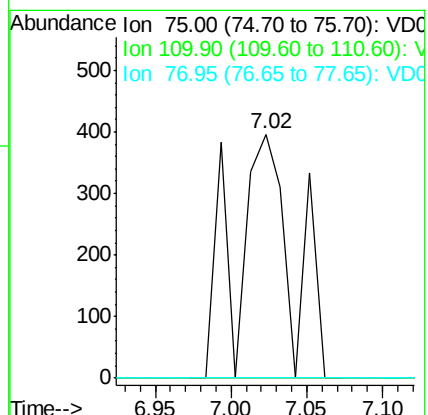
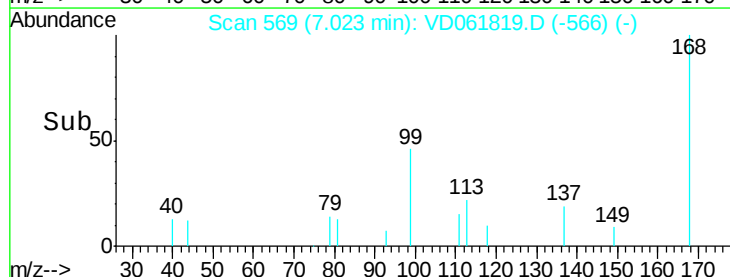
75 100

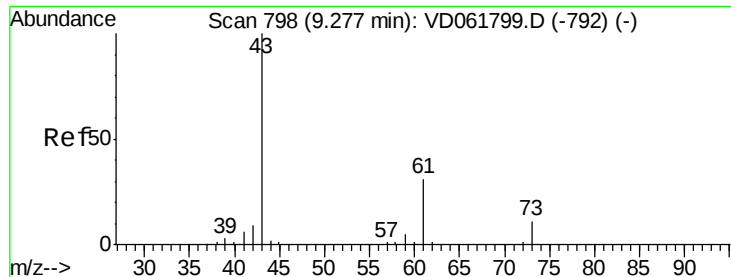
110 0.0 19.1 57.1#

77 0.0 25.6 38.4#



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





#43

Isopropyl Acetate

Concen: 1.184 ug/l

RT: 9.60 min Scan# 831

Delta R.T. 0.32 min

Lab File: VD061819.D

Acq: 16 Apr 2019 19:22

Instrument :

MSVOA_D

ClientSampleId :

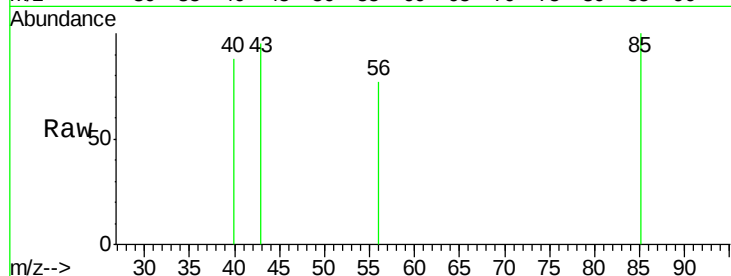
Tot Ion: 43 Resp: 444

Ion Ratio Lower Upper

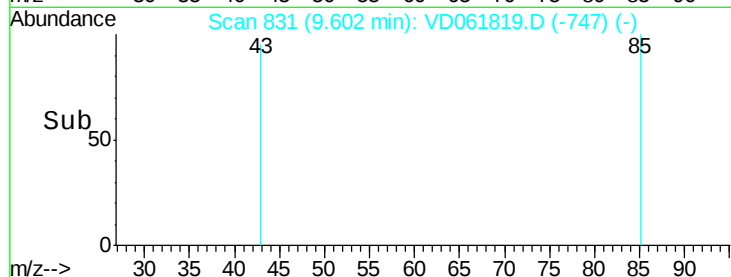
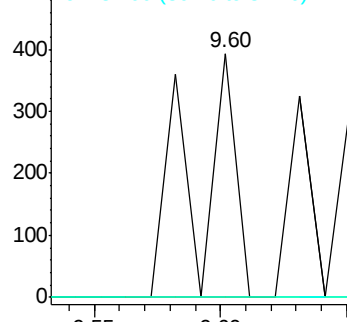
43 100

61 0.0 25.1 37.7#

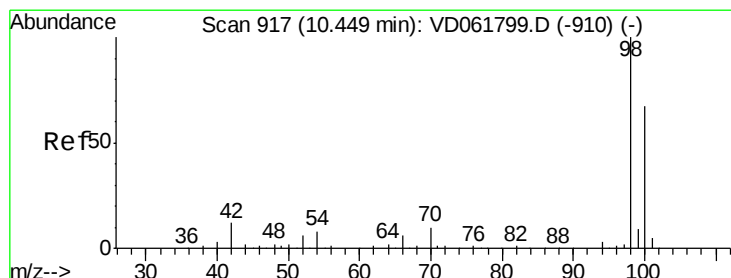
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.43 min Scan# 915

Delta R.T. -0.02 min

Lab File: VD061819.D

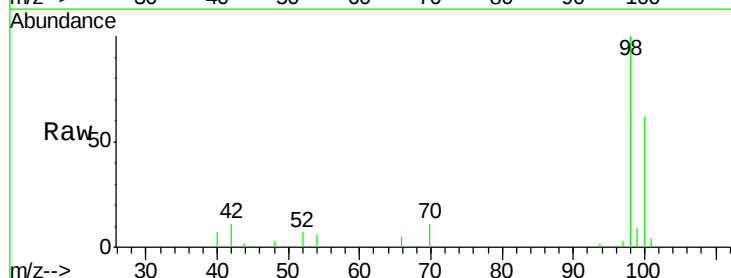
Acq: 16 Apr 2019 19:22

Tgt Ion: 98 Resp: 81537

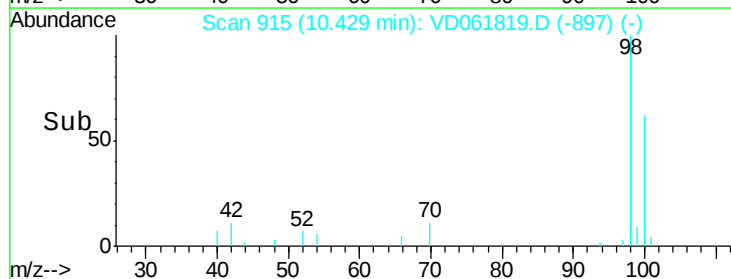
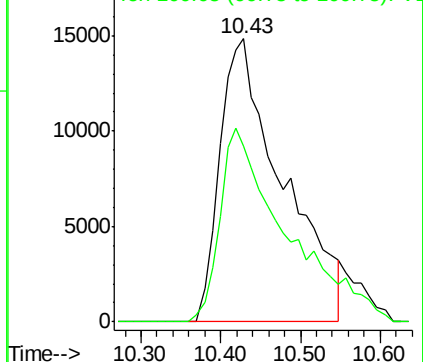
Ion Ratio Lower Upper

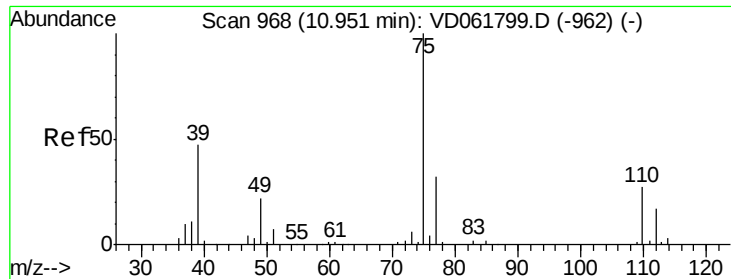
98 100

100 62.2 53.8 80.8



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

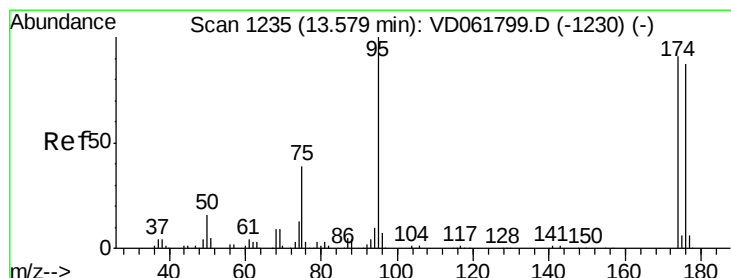
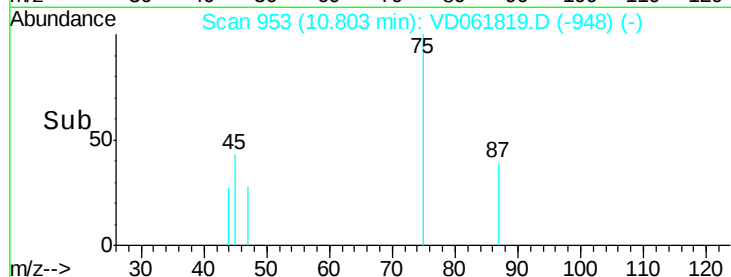
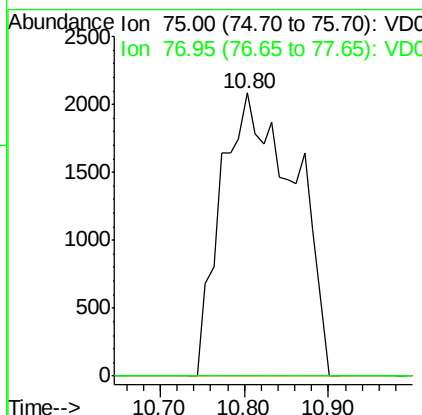
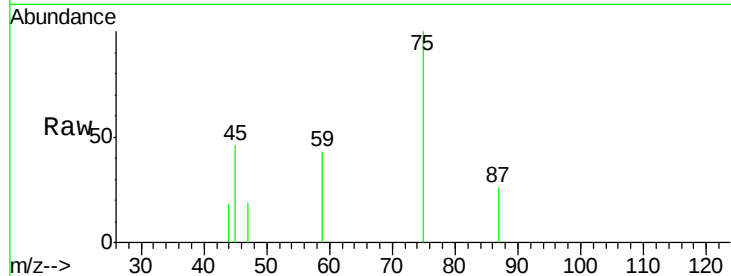




#53
t-1,3-Dichloropropene
Concen: 22.038 ug/l
RT: 10.80 min Scan# 953
Delta R.T. -0.15 min
Lab File: VD061819.D
Acq: 16 Apr 2019 19:22

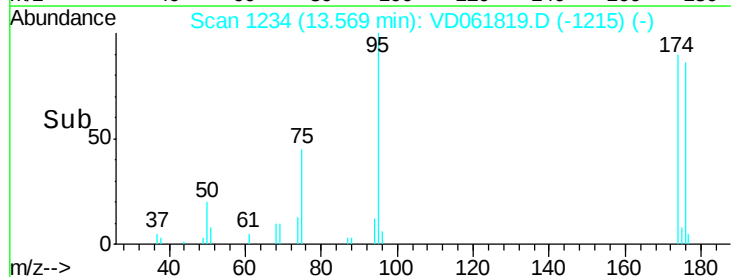
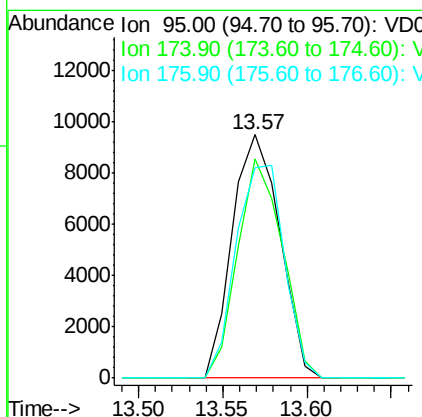
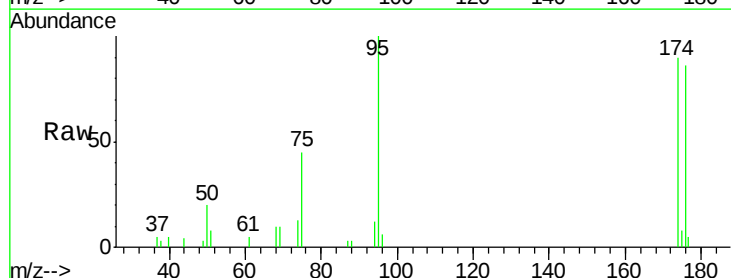
Instrument :
MSVOA_D
ClientSampleId :

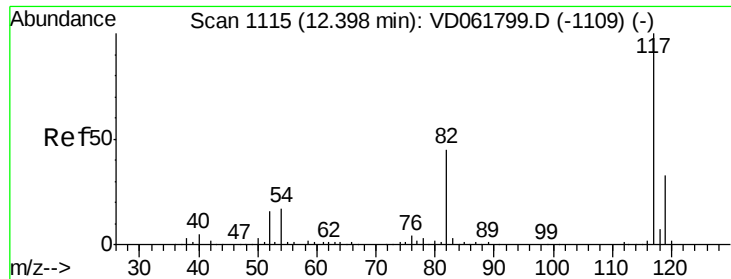
Tot Ion: 75 Resp: 12705
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1234
Delta R.T. -0.01 min
Lab File: VD061819.D
Acq: 16 Apr 2019 19:22

Tgt Ion: 95 Resp: 18556
Ion Ratio Lower Upper
95 100
174 90.1 0.0 181.8
176 86.2 0.0 174.4

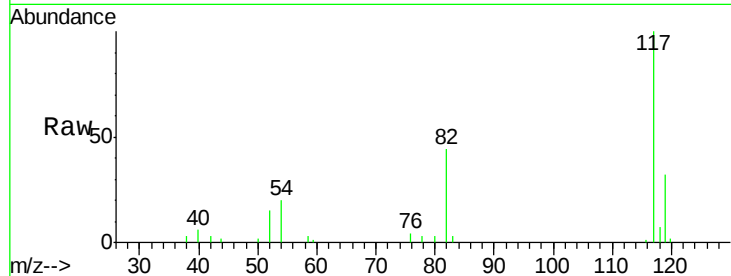




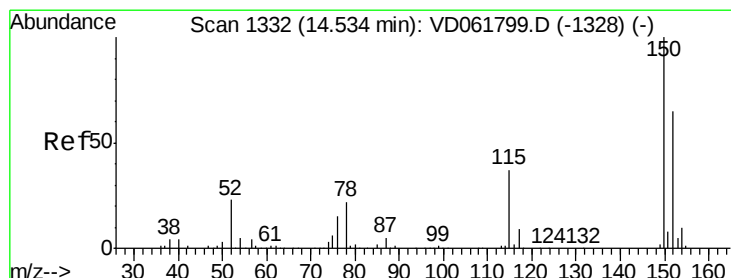
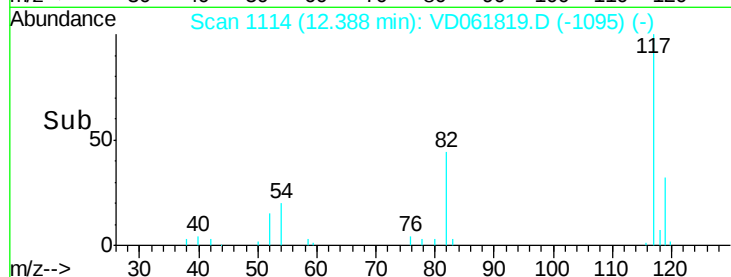
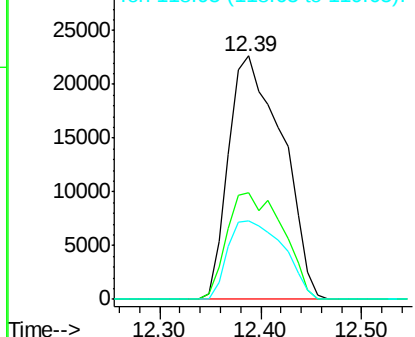
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD061819.D
Acq: 16 Apr 2019 19:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 83767
Ion Ratio Lower Upper
117 100
82 43.8 36.2 54.2
119 32.5 26.2 39.4

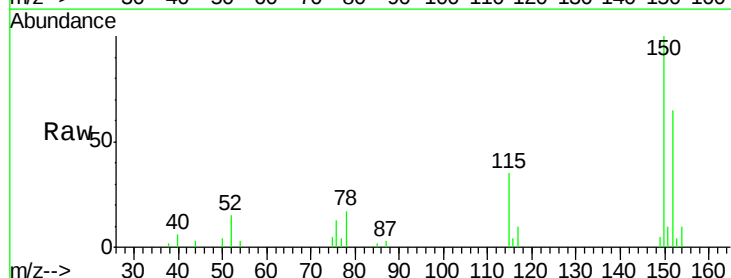


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

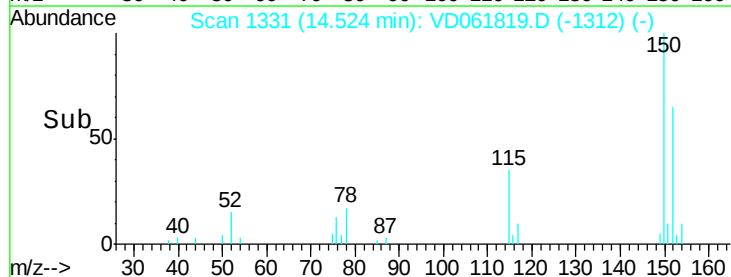
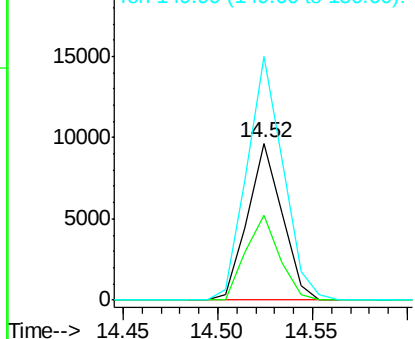


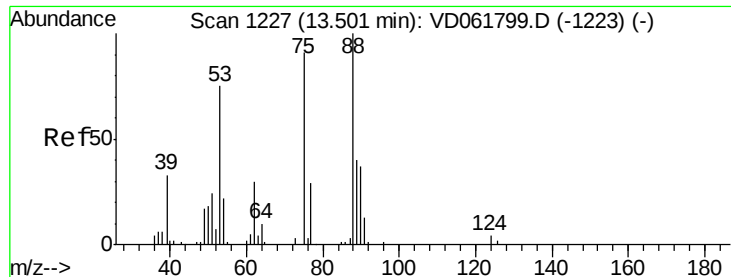
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD061819.D
Acq: 16 Apr 2019 19:22

Tgt Ion:152 Resp: 12203
Ion Ratio Lower Upper
152 100
115 53.6 30.9 92.7
150 155.0 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: 146.186 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.07 min

Lab File: VD061819.D

Acq: 16 Apr 2019 19:22

Instrument :

MSVOA_D

ClientSampleId :

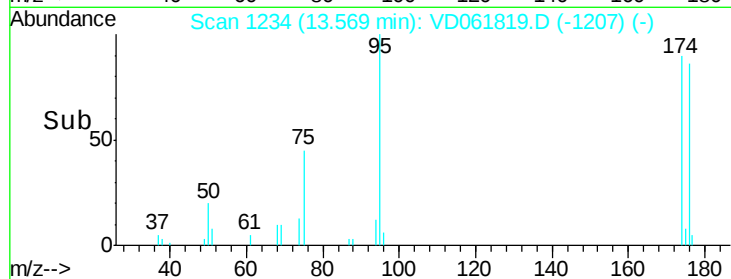
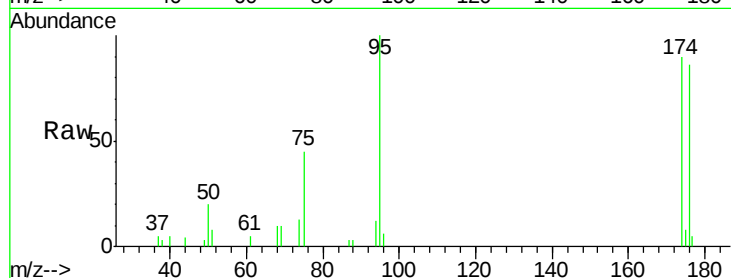
Tot Ion: 75 Resp: 7949

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

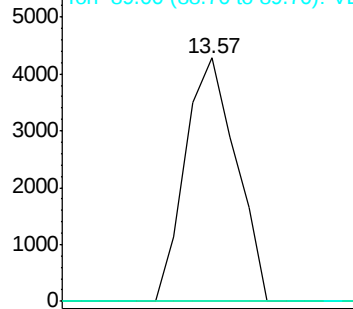
89 0.0 35.0 52.6#



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



Time-->