

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041619\
 Data File : VD061805.D
 Acq On : 16 Apr 2019 12:12
 Operator : VA/AP
 Sample : VD0416SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBL01

Quant Time: Apr 16 12:36:16 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

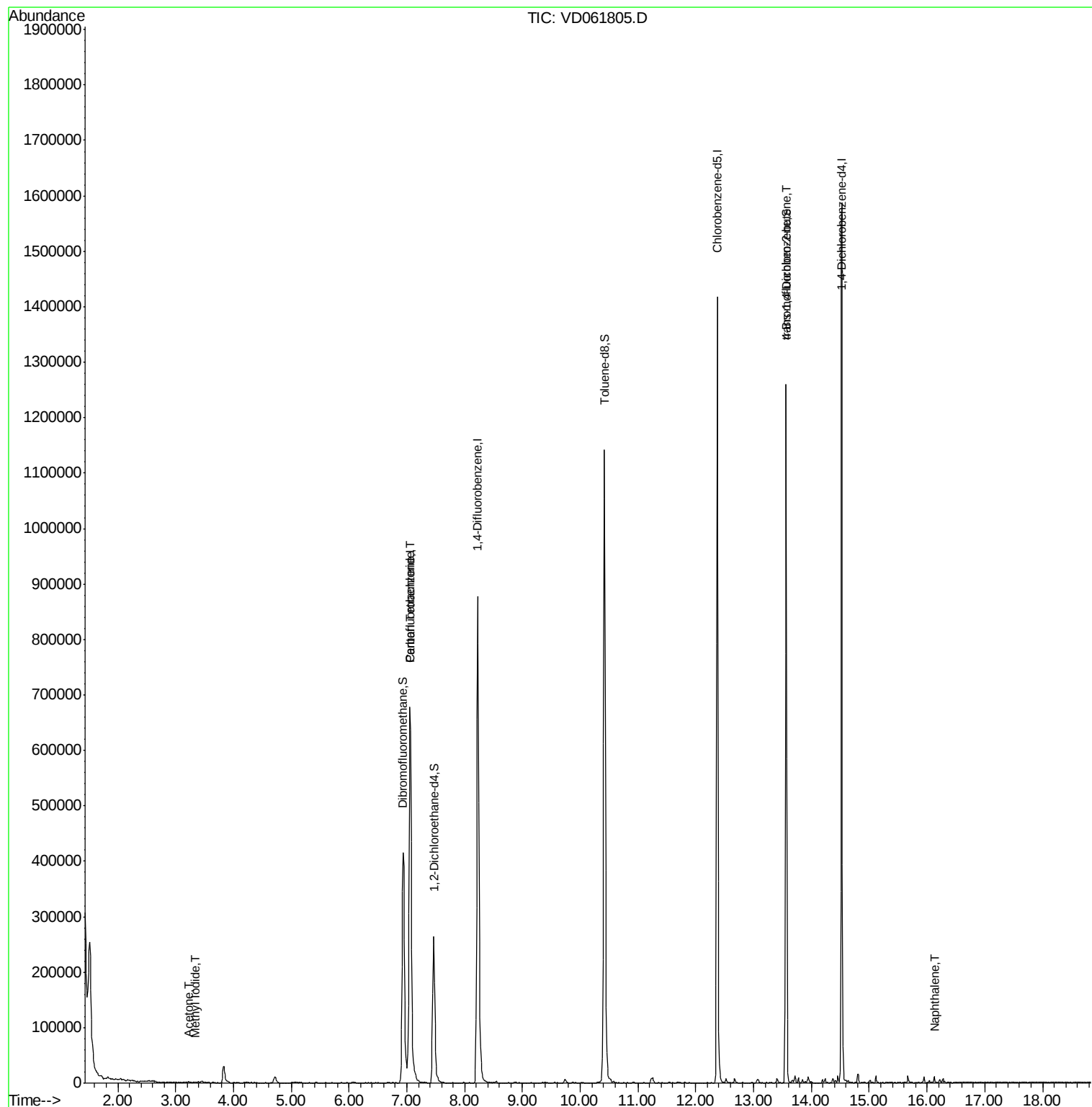
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	702869	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.23	114	1085289	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	863761	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	419046	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	260660	44.25	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	88.50%	
35) Dibromofluoromethane	6.94	113	415579	50.68	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	101.36%	
50) Toluene-d8	10.42	98	1035714	53.31	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	106.62%	
62) 4-Bromofluorobenzene	13.56	95	371512	47.18	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	94.36%	
Target Compounds						
5) Bromomethane	2.19	94	1872	Below Cal	#	12
10) Methyl Iodide	3.33	142	2391	3.692	ug/l #	37
16) Acetone	3.22	43	3500	2.411	ug/l #	50
20) Methylene Chloride	3.84	84	24040	Below Cal		92
38) Carbon Tetrachloride	7.05	117	68881	6.151	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.56	75	144652	79.030	ug/l #	16
95) Naphthalene	16.13	128	9761	1.027	ug/l	96

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

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Quant Time: Apr 16 12:36:16 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: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061805.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_D

ClientSampleId :

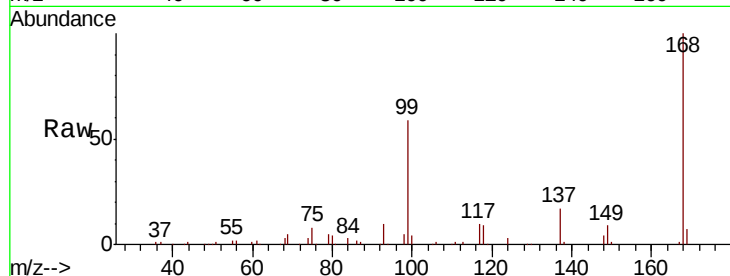
VD0416SBL01

Tgt Ion:168 Resp: 702869

Ion Ratio Lower Upper

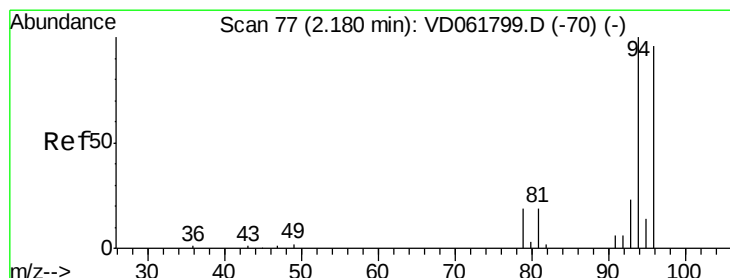
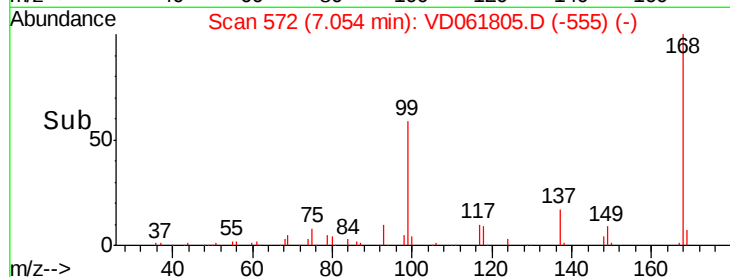
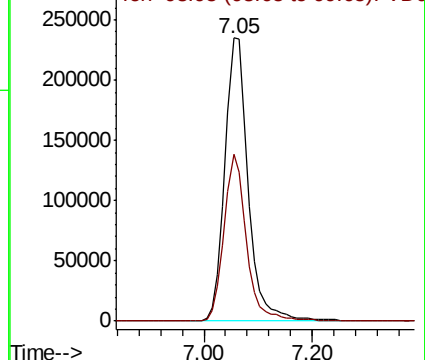
168 100

99 59.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.19 min Scan# 78

Delta R.T. 0.01 min

Lab File: VD061805.D

Acq: 16 Apr 2019 12:12

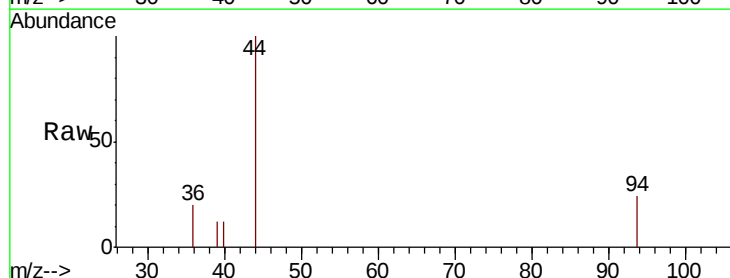
Tgt Ion: 94 Resp: 1872

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

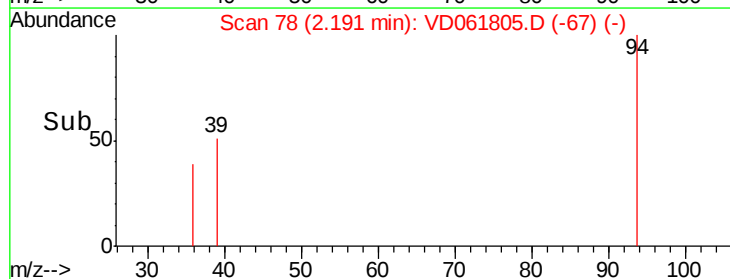
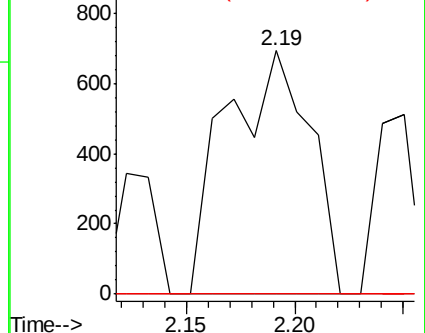
93 0.0 18.5 27.7#

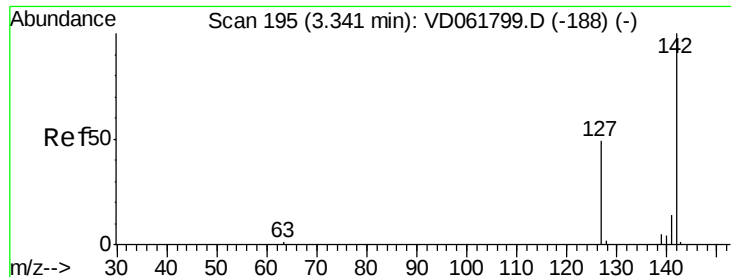


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

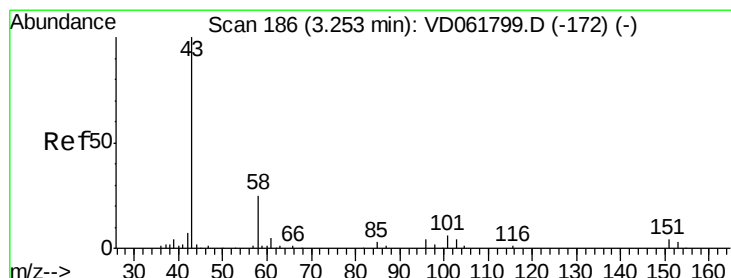
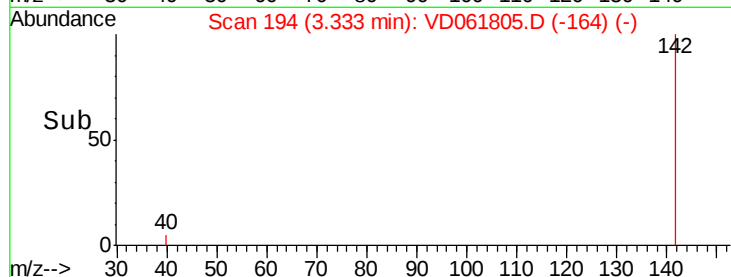
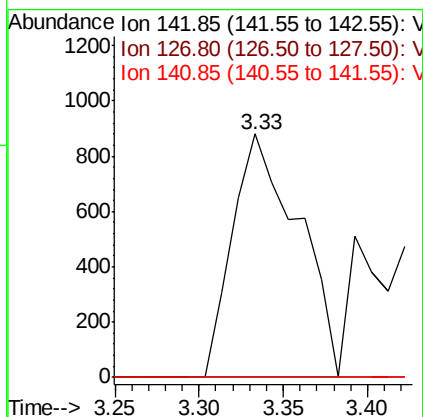
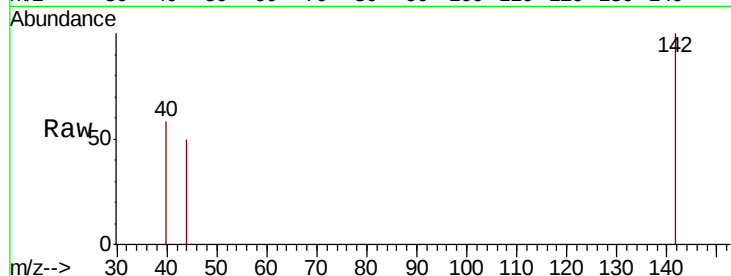




#10
Methyl Iodide
Concen: 3.692 ug/l
RT: 3.33 min Scan# 194
Delta R.T. -0.01 min
Lab File: VD061805.D
Acq: 16 Apr 2019 12:12

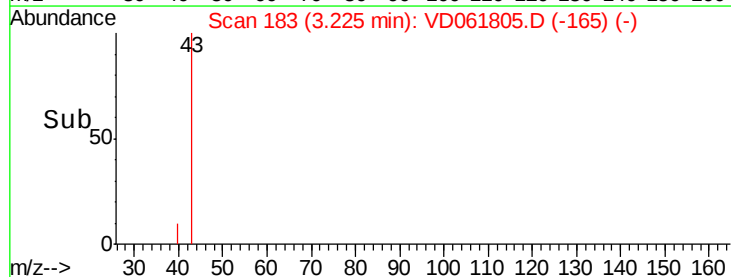
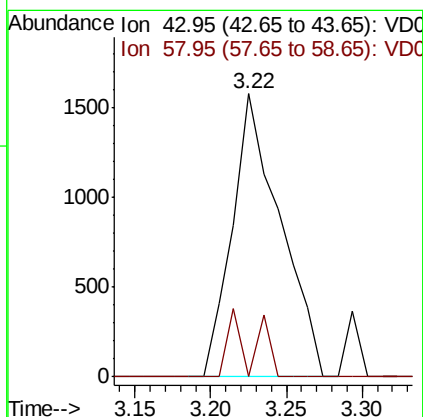
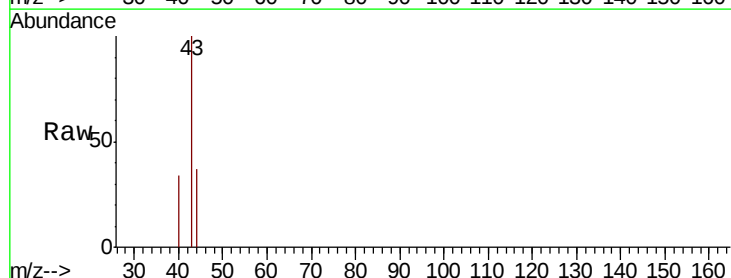
Instrument :
MSVOA_D
ClientSampleId :
VD0416SBL01

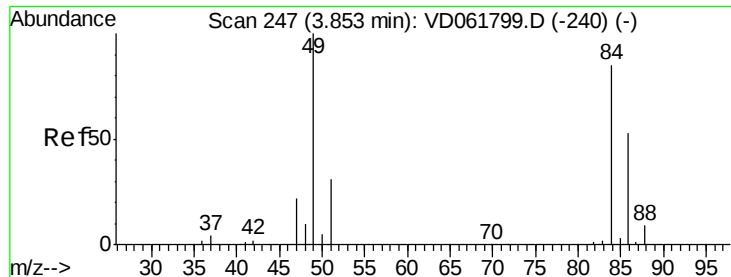
Tgt Ion: 142 Resp: 2391
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 2.411 ug/l
RT: 3.22 min Scan# 183
Delta R.T. -0.03 min
Lab File: VD061805.D
Acq: 16 Apr 2019 12:12

Tgt Ion: 43 Resp: 3500
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#

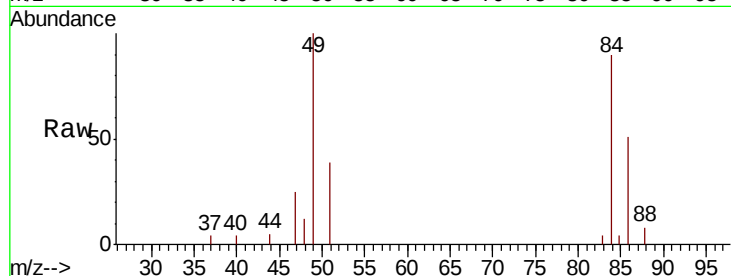




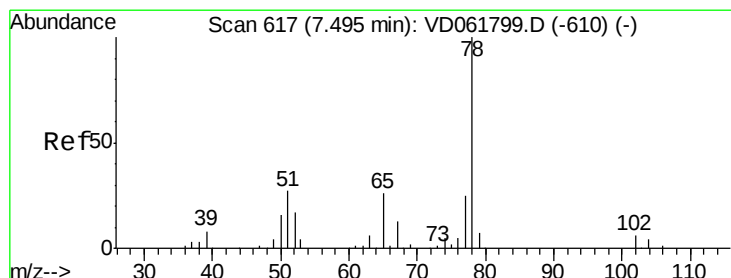
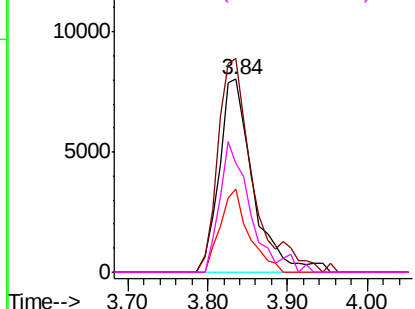
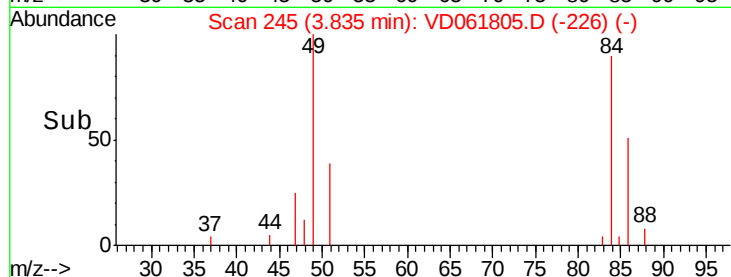
#20
Methylene Chloride
Concen: Below Cal
RT: 3.84 min Scan# 245
Delta R.T. -0.02 min
Lab File: VD061805.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_D
ClientSampleId :
VD0416SBL01

Tgt Ion: 84 Resp: 24040
Ion Ratio Lower Upper
84 100
49 110.6 94.0 141.0
51 43.2 29.0 43.4
86 56.1 49.8 74.6

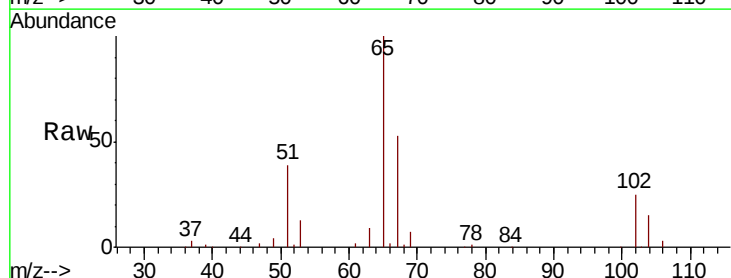


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

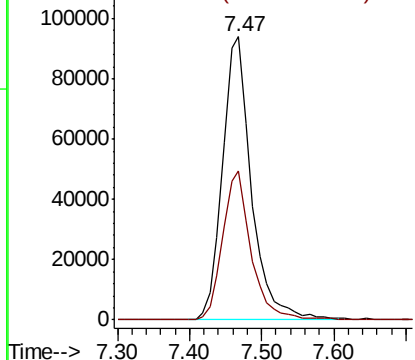
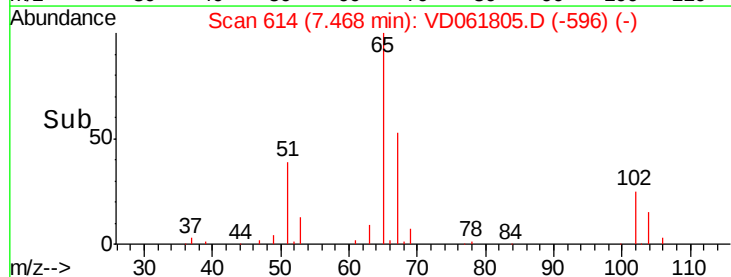


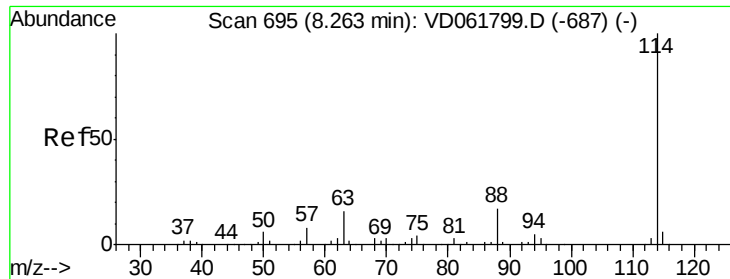
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.47 min Scan# 614
Delta R.T. -0.03 min
Lab File: VD061805.D
Acq: 16 Apr 2019 12:12

Tgt Ion: 65 Resp: 260660
Ion Ratio Lower Upper
65 100
67 52.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

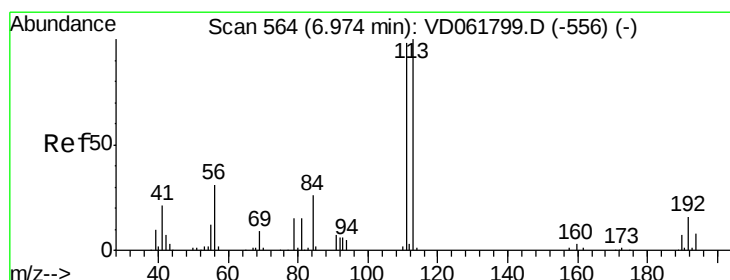
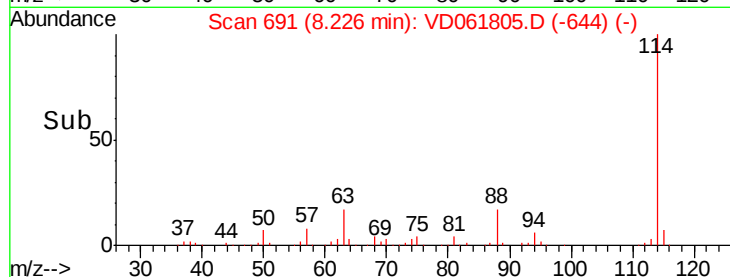
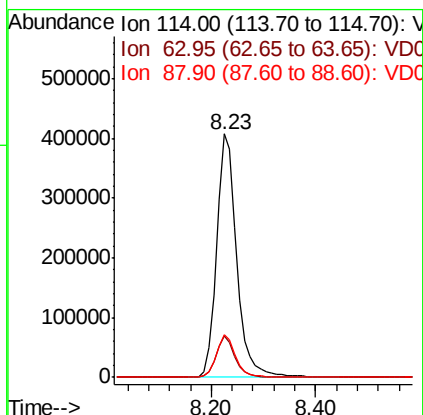
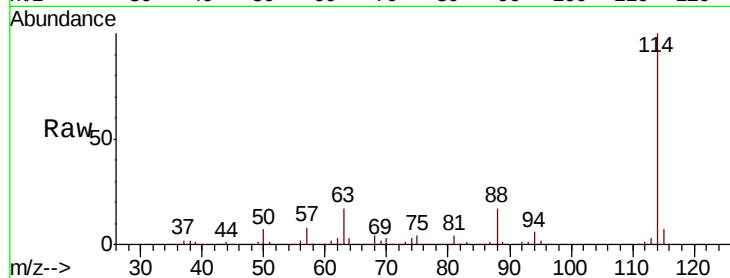




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.04 min
 Lab File: VD061805.D
 Acq: 16 Apr 2019 12:12

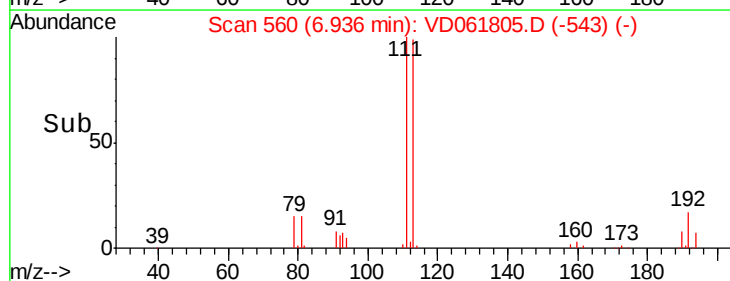
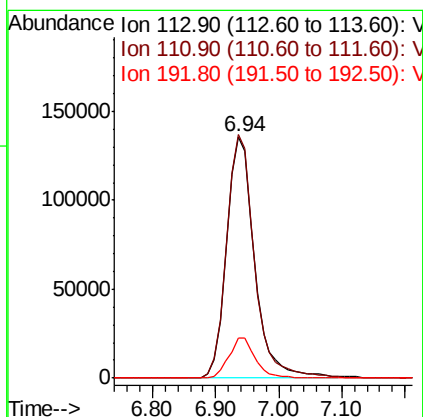
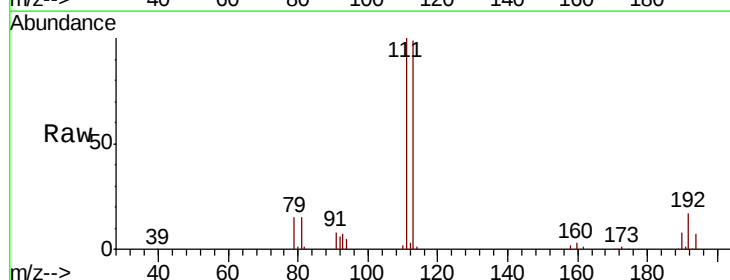
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBL01

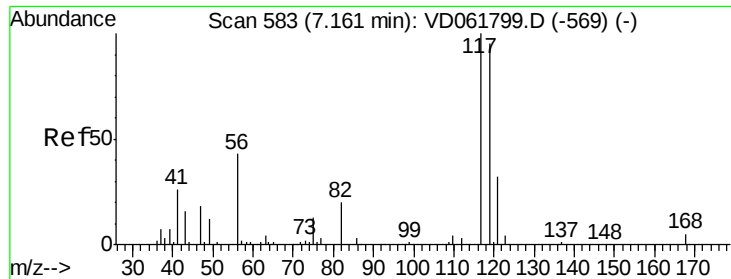
Tgt Ion:114 Resp: 1085289
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 32.4
 88 17.3 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. -0.04 min
 Lab File: VD061805.D
 Acq: 16 Apr 2019 12:12

Tgt Ion:113 Resp: 415579
 Ion Ratio Lower Upper
 113 100
 111 100.8 78.5 117.7
 192 16.7 13.0 19.4





#38

Carbon Tetrachloride

Concen: 6.151 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.11 min

Lab File: VD061805.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBL01

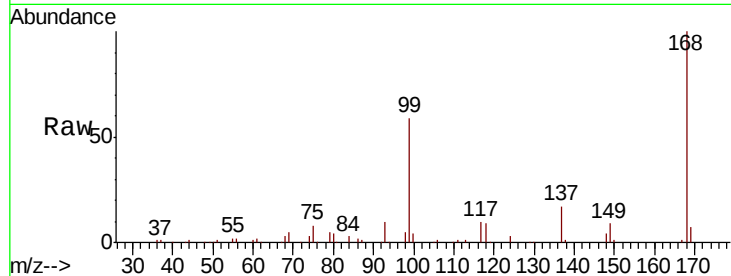
Tgt Ion:117 Resp: 68881

Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.8#

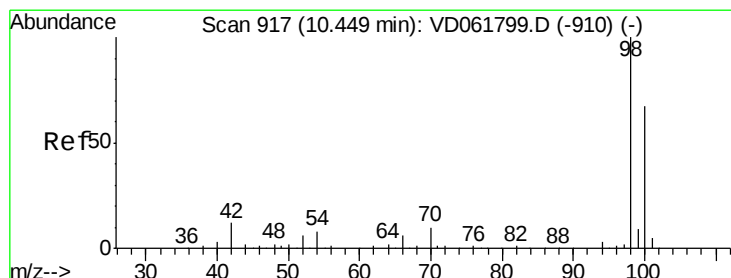
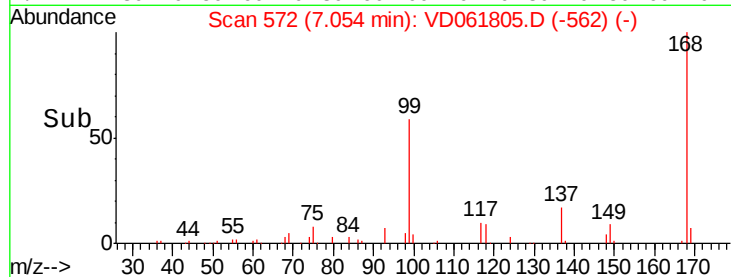
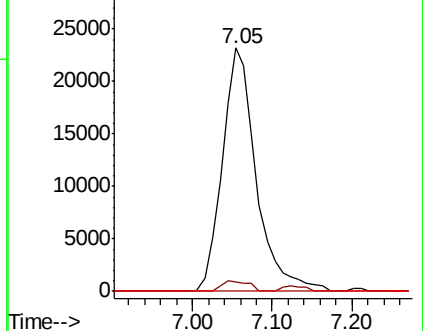
121 0.0 25.9 38.9#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. -0.03 min

Lab File: VD061805.D

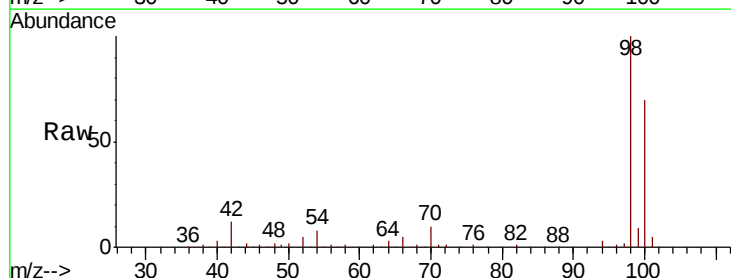
Acq: 16 Apr 2019 12:12

Tgt Ion: 98 Resp: 1035714

Ion Ratio Lower Upper

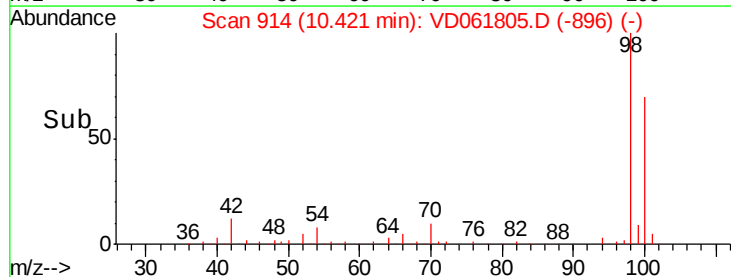
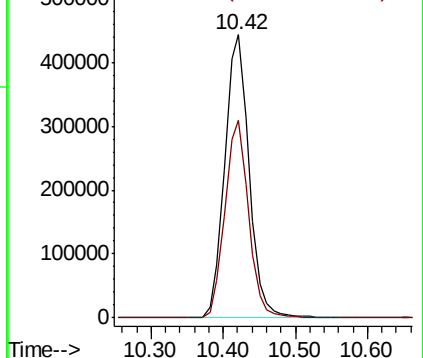
98 100

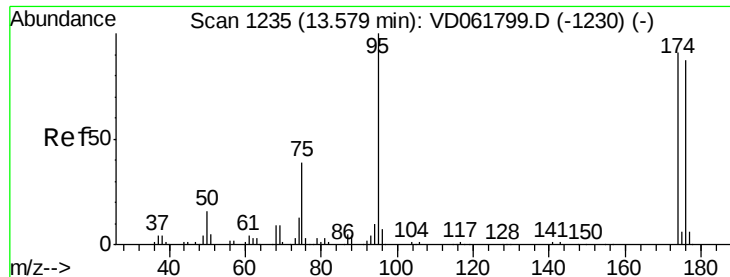
100 69.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD061805.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBL01

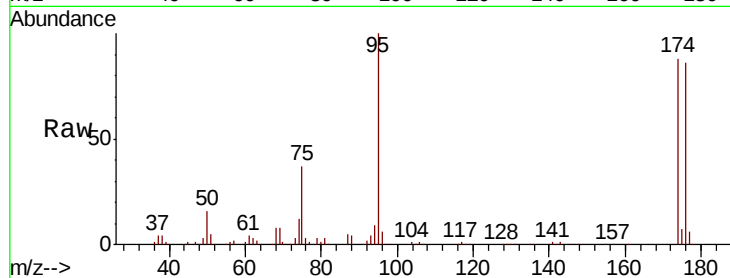
Tgt Ion: 95 Resp: 371512

Ion Ratio Lower Upper

95 100

174 88.2 0.0 181.8

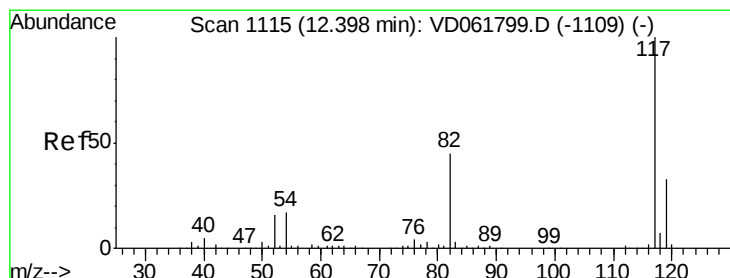
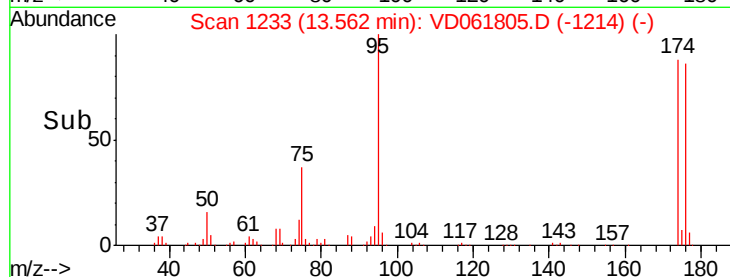
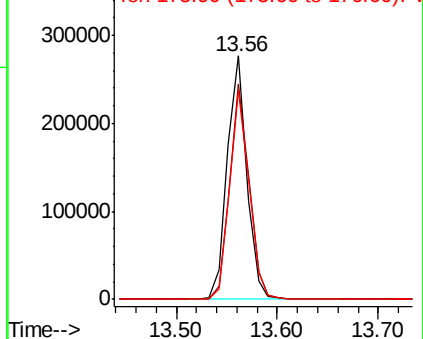
176 85.9 0.0 174.4



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: 12.37 min Scan# 1112

Delta R.T. -0.03 min

Lab File: VD061805.D

Acq: 16 Apr 2019 12:12

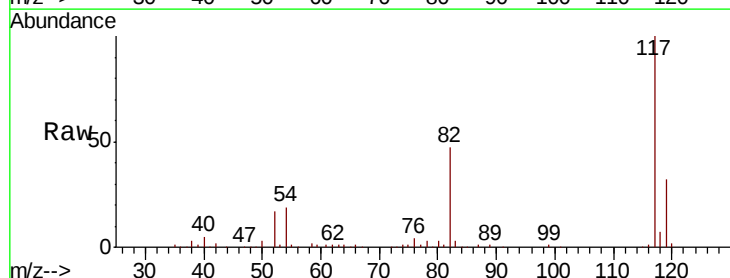
Tgt Ion: 117 Resp: 863761

Ion Ratio Lower Upper

117 100

82 46.9 36.2 54.2

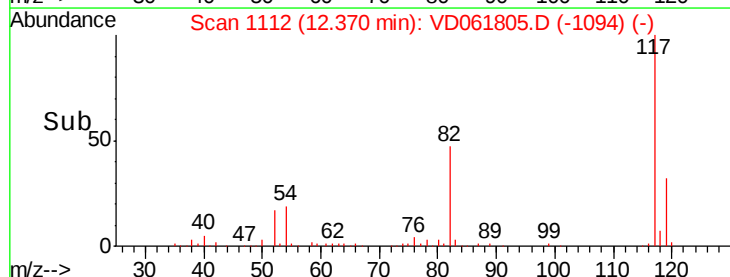
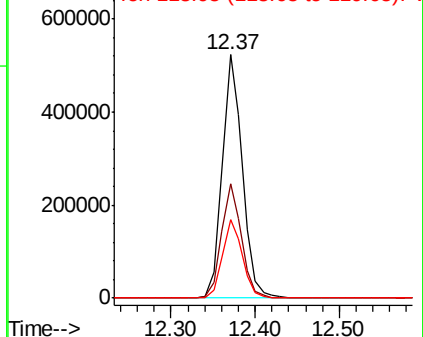
119 32.2 26.2 39.4

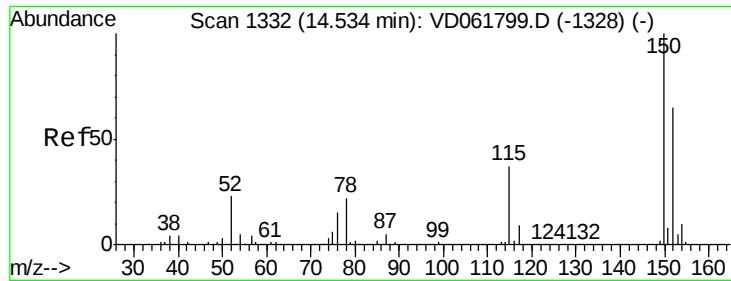


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD061805.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0416SBL01

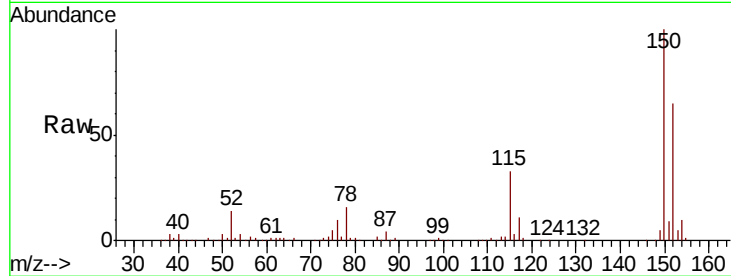
Tgt Ion:152 Resp: 419046

Ion Ratio Lower Upper

152 100

115 51.0 30.9 92.7

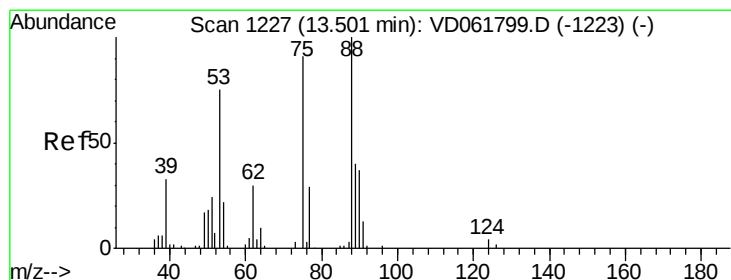
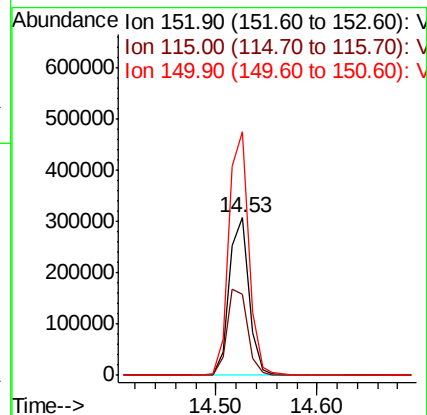
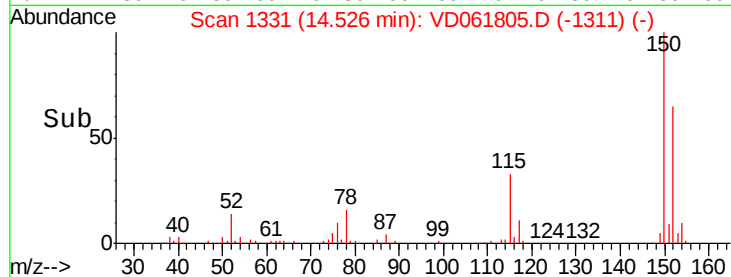
150 154.4 0.0 314.8



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: 79.030 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.06 min

Lab File: VD061805.D

Acq: 16 Apr 2019 12:12

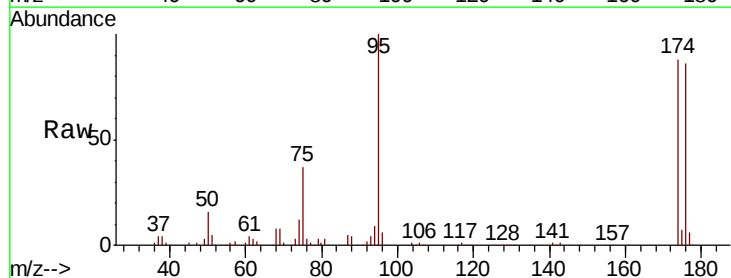
Tgt Ion: 75 Resp: 144652

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

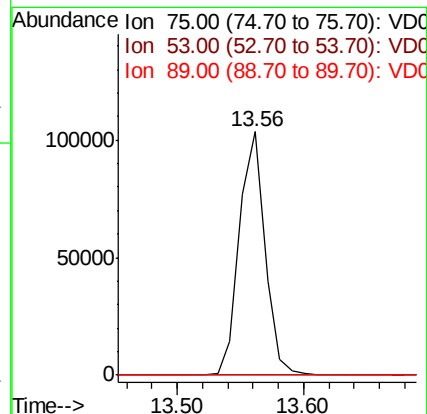
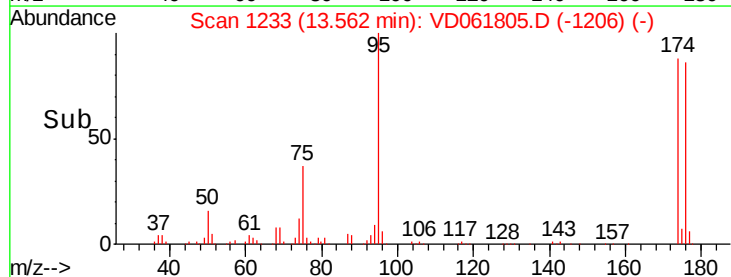
89 0.0 35.0 52.6#

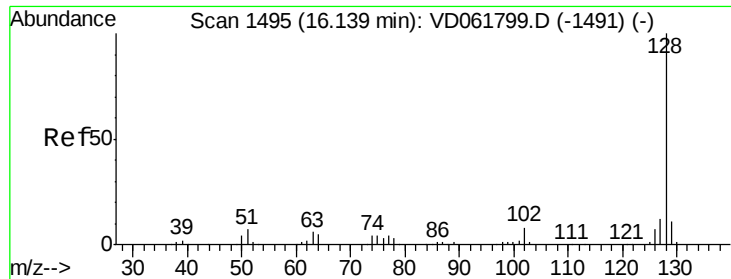


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95
Naphthalene
Concen: 1.027 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VD061805.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_D
ClientSampleId :
VD0416SBL01

Tgt Ion:128 Resp: 9761
Ion Ratio Lower Upper
128 100
127 14.2 9.8 14.8
129 9.9 8.8 13.2

