

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032119\
 Data File : VD061245.D
 Acq On : 21 Mar 2019 15:26
 Operator : VA/AP
 Sample : K1980-01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 04:31:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	12873	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	23030	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	15294	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	11179	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	8707	81.26	ug/l	0.01
Spiked Amount			Recovery	=	162.52%	
35) Dibromofluoromethane	6.94	113	9478	55.46	ug/l	0.01
Spiked Amount			Recovery	=	110.92%	
50) Toluene-d8	10.43	98	13613	31.72	ug/l	0.03
Spiked Amount			Recovery	=	63.44%	
62) 4-Bromofluorobenzene	13.56	95	9237	55.47	ug/l	0.01
Spiked Amount			Recovery	=	110.94%	

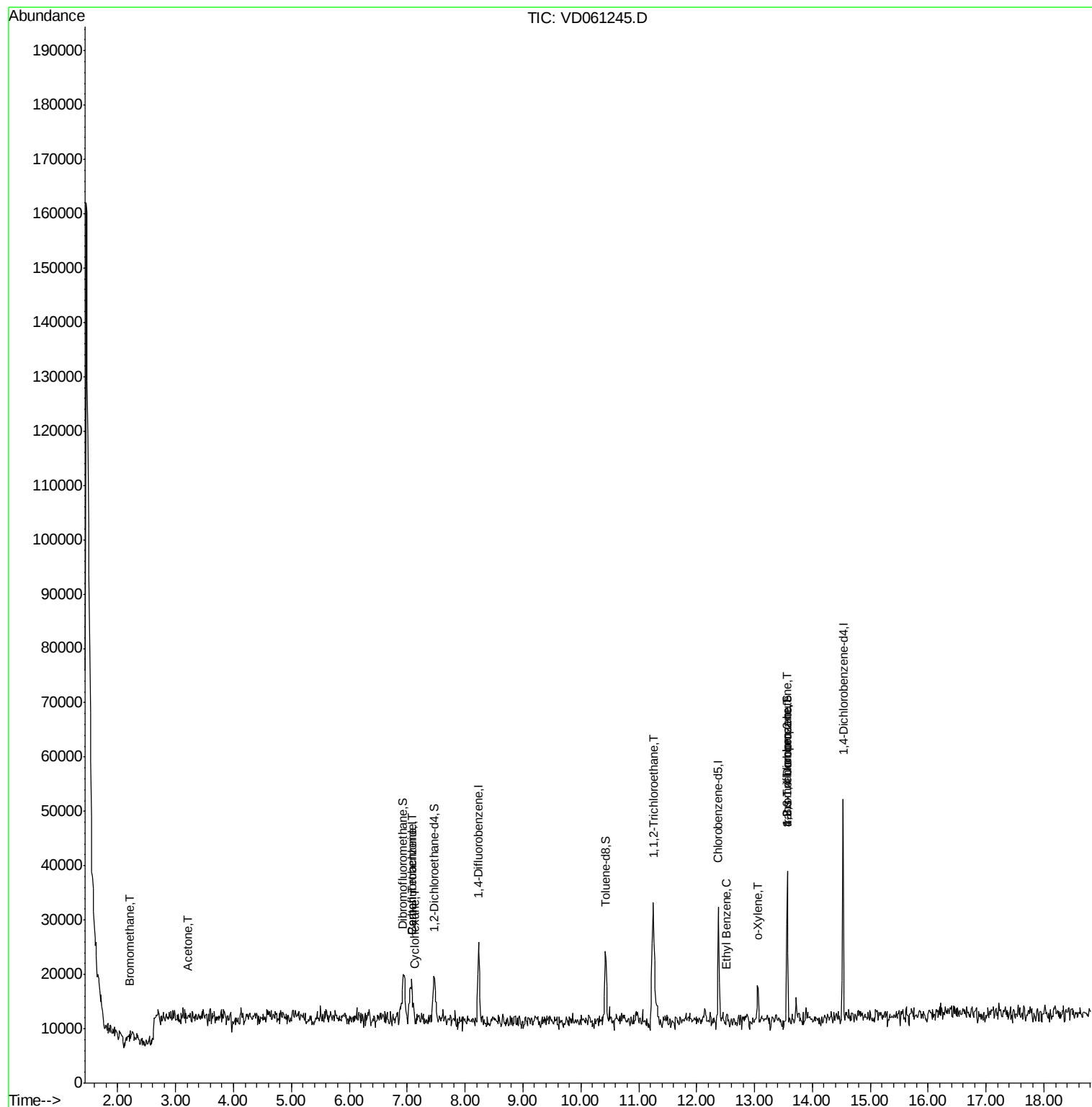
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.21	94	184	8.543	ug/l #	1
16) Acetone	3.23	43	419	13.674	ug/l #	48
20) Methylene Chloride	3.84	84	542	Below Cal	#	46
31) Cyclohexane	7.14	56	198	1.044	ug/l #	18
38) Carbon Tetrachloride	7.07	117	409	1.870	ug/l #	11
55) 1,1,2-Trichloroethane	11.25	97	205	1.996	ug/l #	15
67) Ethyl Benzene	12.53	91	453	1.015	ug/l #	43
69) o-Xylene	13.05	106	2522	14.645	ug/l	98
76) 1,2,3-Trichloropropane	13.56	75	2901	18.038	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	2901	61.182	ug/l #	17

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

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061245.D

Acq: 21 Mar 2019 15:26

Instrument :

MSVOA_D

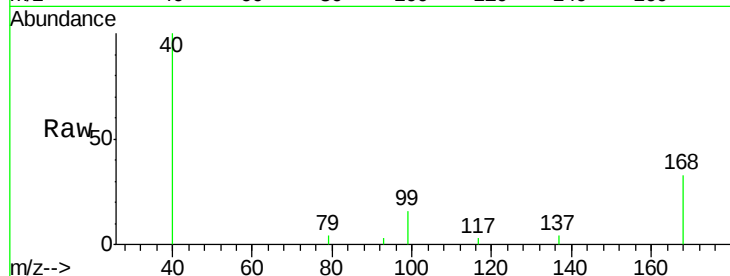
ClientSampleId :

Tot Ion:168 Resp: 12873

Ion Ratio Lower Upper

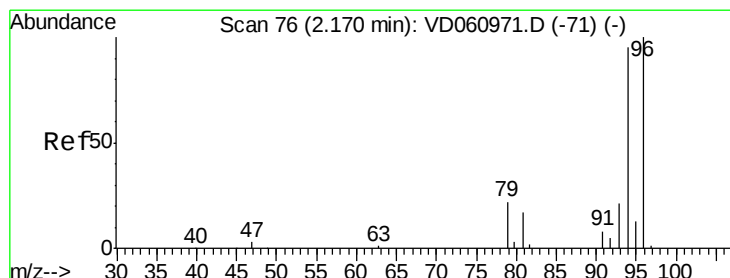
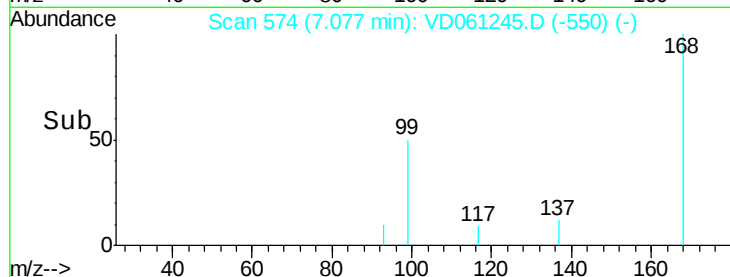
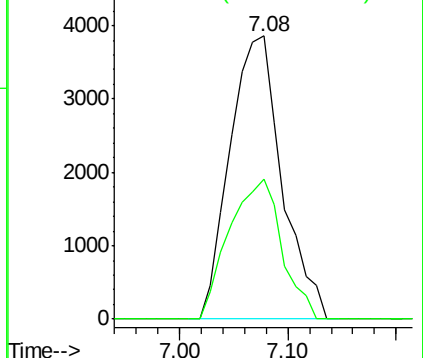
168 100

99 49.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 8.543 ug/l

RT: 2.21 min Scan# 80

Delta R.T. 0.05 min

Lab File: VD061245.D

Acq: 21 Mar 2019 15:26

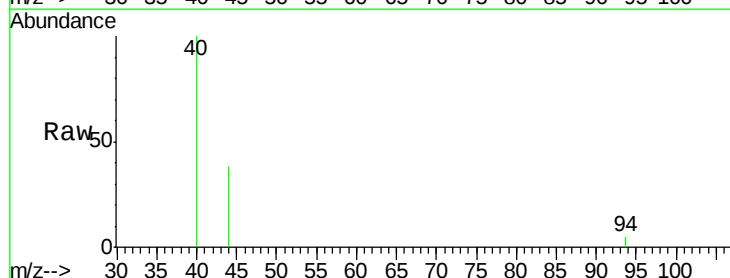
Tgt Ion: 94 Resp: 184

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

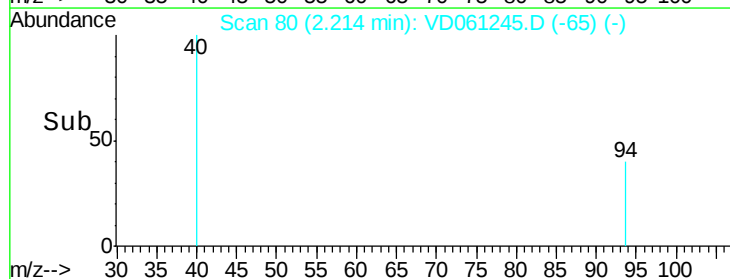
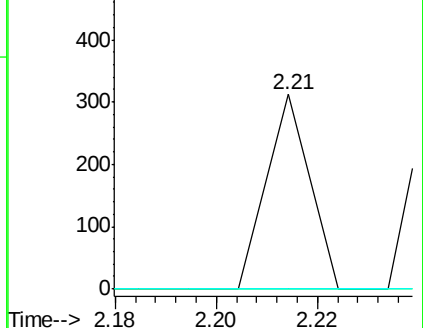
93 100.0 17.3 25.9#



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

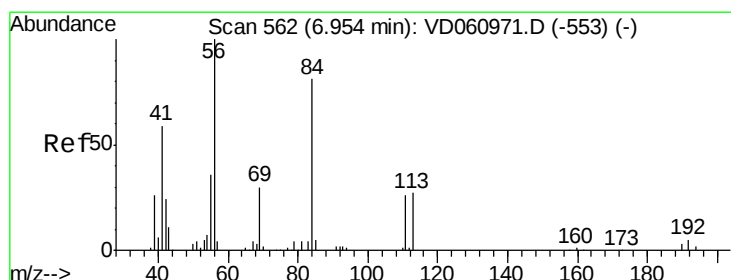
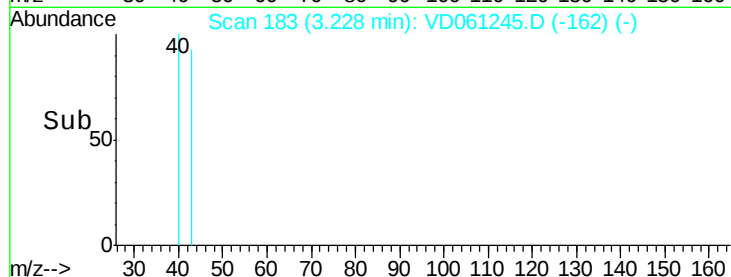
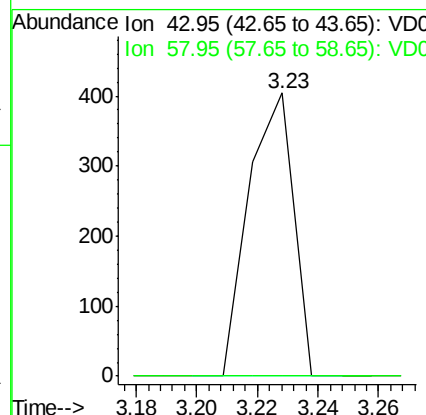
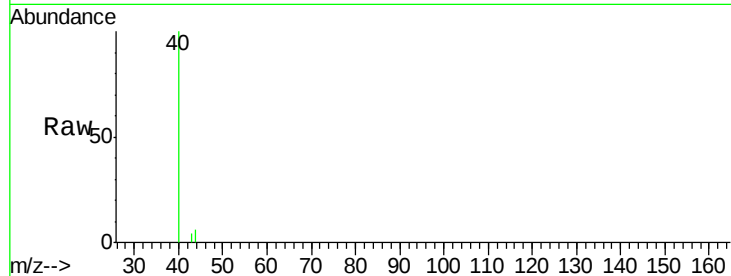




#16
Acetone
Concen: 13.674 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD061245.D
Acq: 21 Mar 2019 15:26

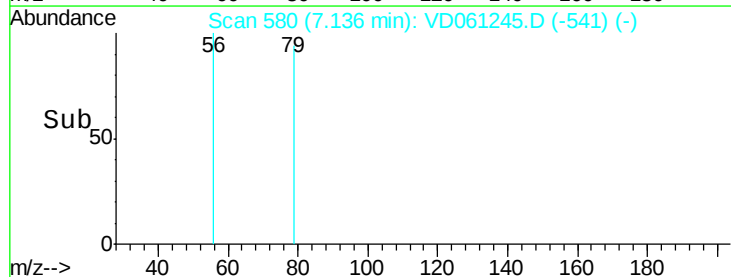
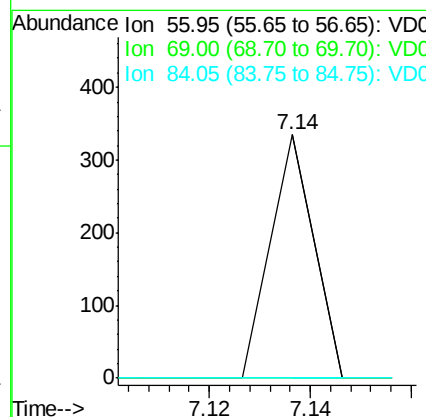
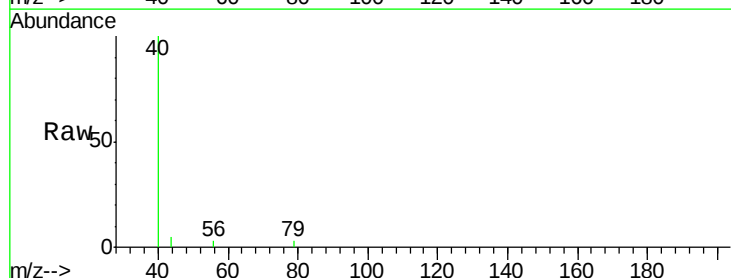
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4#



#31
Cyclohexane
Concen: 1.044 ug/l
RT: 7.14 min Scan# 580
Delta R.T. 0.18 min
Lab File: VD061245.D
Acq: 21 Mar 2019 15:26

Tgt Ion: 56 Resp: 198
Ion Ratio Lower Upper
56 100
69 0.0 24.0 36.0#
84 0.0 65.8 98.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061245.D

Acq: 21 Mar 2019 15:26

Instrument :

MSVOA_D

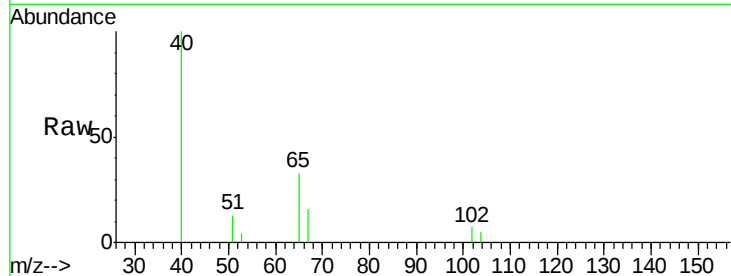
ClientSampleId :

Tot Ion: 65 Resp: 8707

Ion Ratio Lower Upper

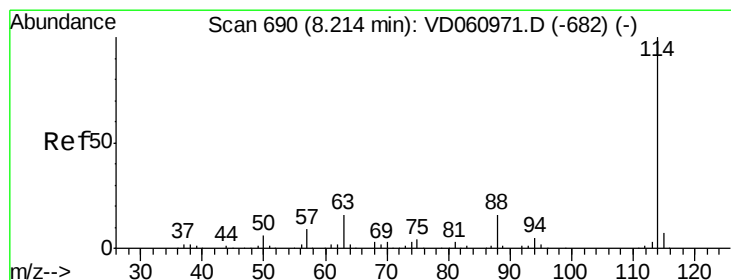
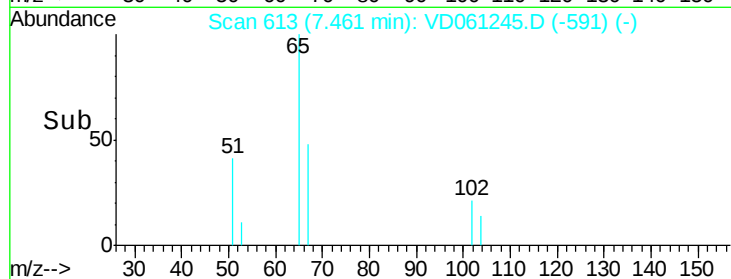
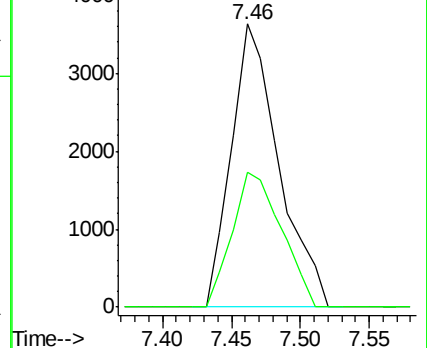
65 100

67 47.8 0.0 105.2



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. 0.01 min

Lab File: VD061245.D

Acq: 21 Mar 2019 15:26

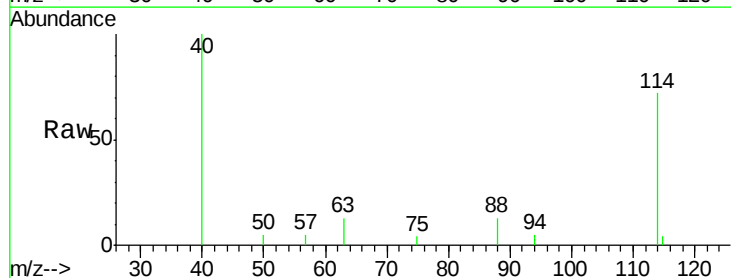
Tgt Ion: 114 Resp: 23030

Ion Ratio Lower Upper

114 100

63 18.4 0.0 31.4

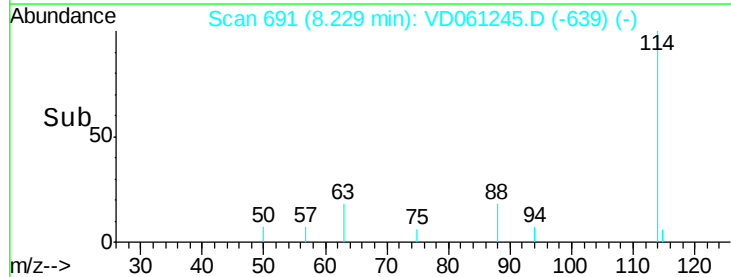
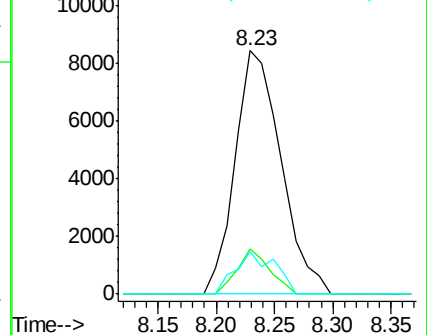
88 17.8 0.0 33.0



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# 560

Delta R.T. 0.01 min

Lab File: VD061245.D

Acq: 21 Mar 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

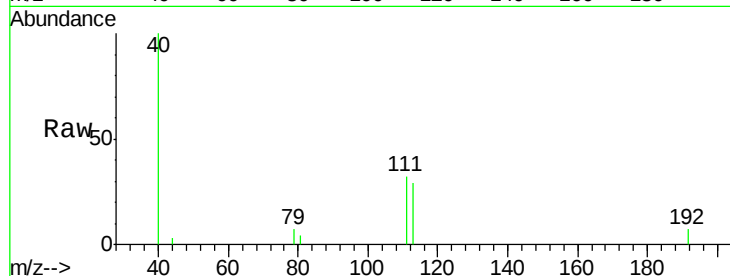
Tot Ion:113 Resp: 9478

Ion Ratio Lower Upper

113 100

111 111.5 84.2 126.4

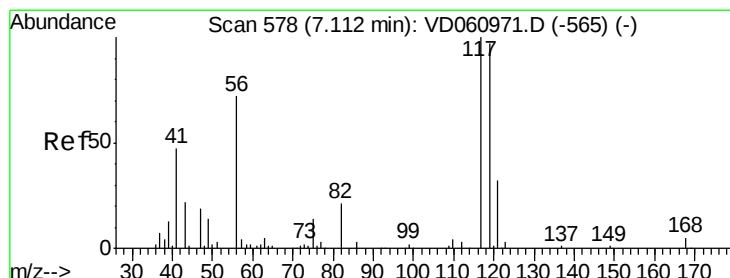
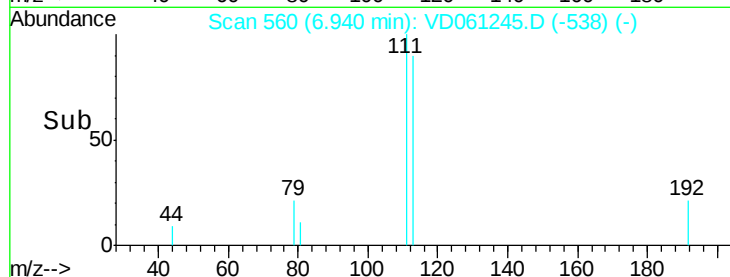
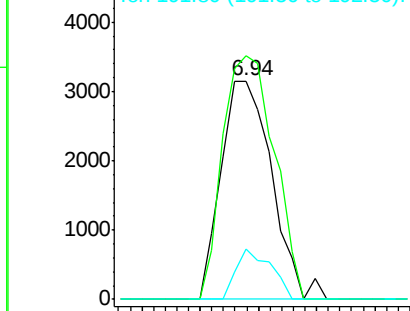
192 23.3 13.1 19.7#



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



#38

Carbon Tetrachloride

Concen: 1.870 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.04 min

Lab File: VD061245.D

Acq: 21 Mar 2019 15:26

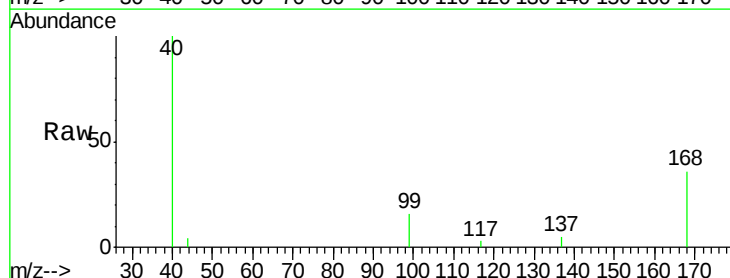
Tgt Ion:117 Resp: 409

Ion Ratio Lower Upper

117 100

119 0.0 77.8 116.8#

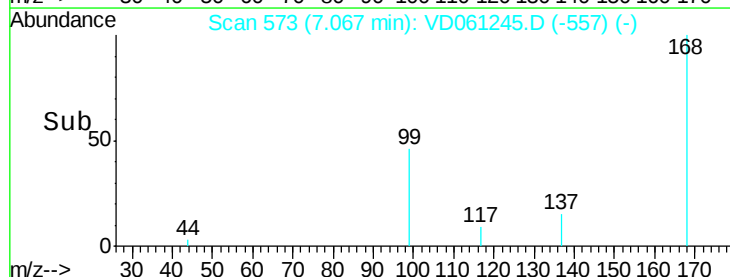
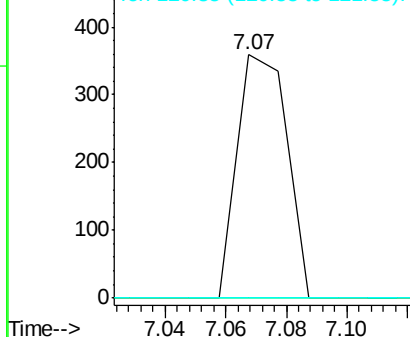
121 0.0 25.3 37.9#

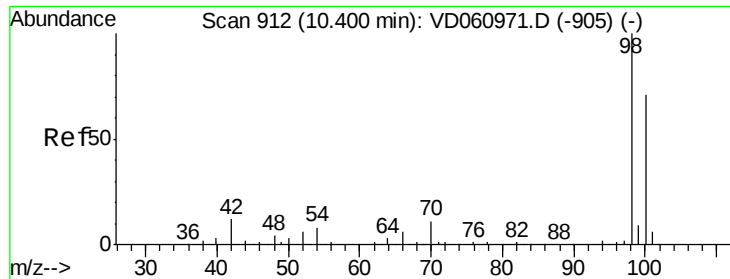


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

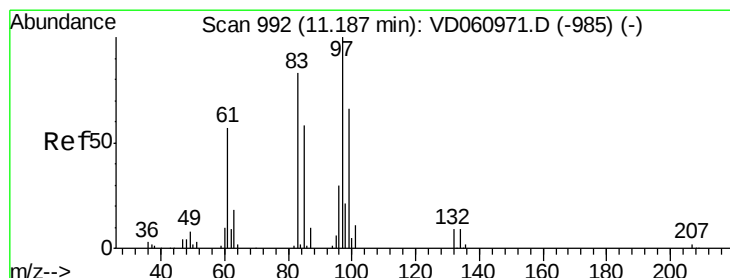
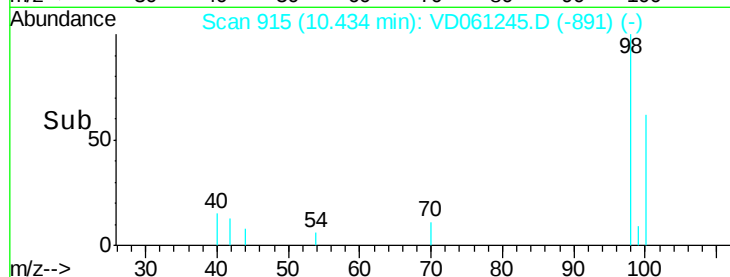
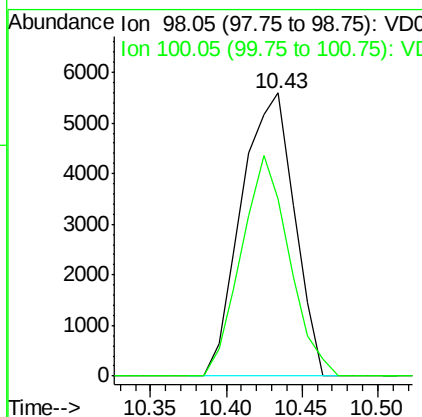
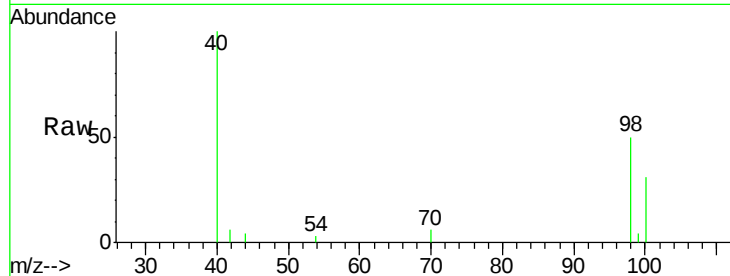




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061245.D
Acq: 21 Mar 2019 15:26

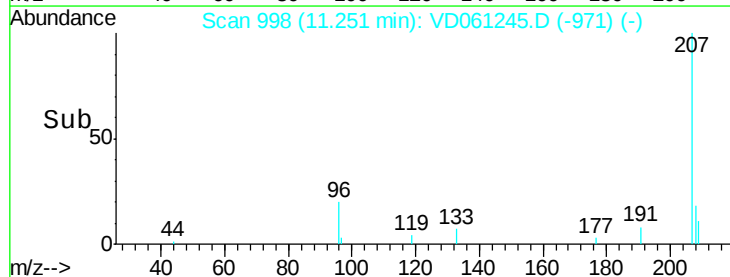
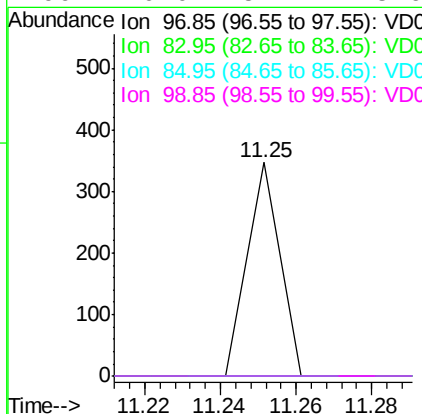
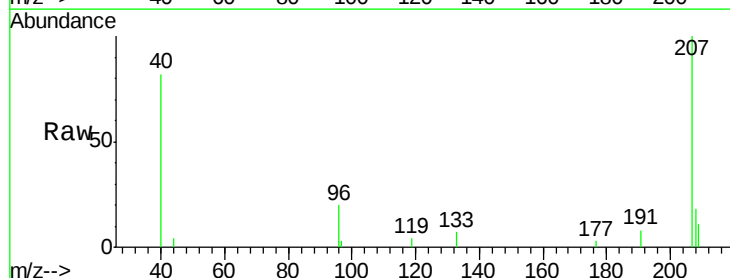
Instrument :
MSVOA_D
ClientSampleId :

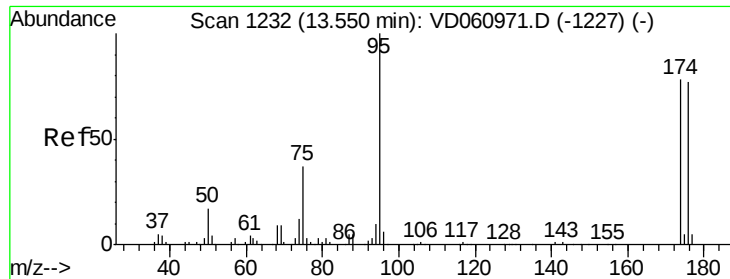
Tot Ion: 98 Resp: 13613
Ion Ratio Lower Upper
98 100
100 62.5 57.4 86.2



#55
1,1,2-Trichloroethane
Concen: 1.996 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.06 min
Lab File: VD061245.D
Acq: 21 Mar 2019 15:26

Tgt Ion: 97 Resp: 205
Ion Ratio Lower Upper
97 100
83 0.0 66.6 100.0#
85 0.0 46.4 69.6#
99 0.0 52.4 78.6#

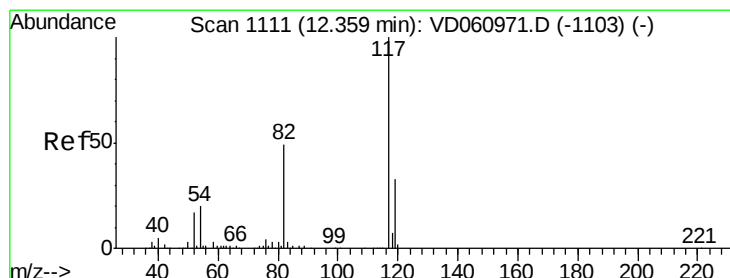
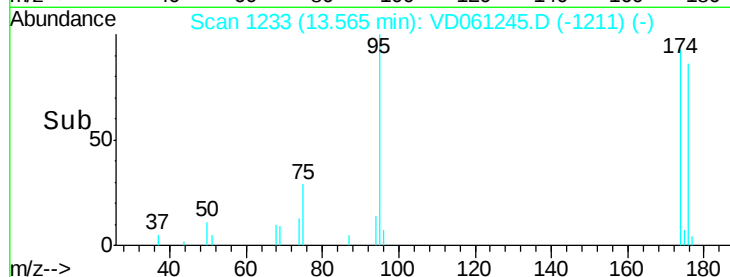
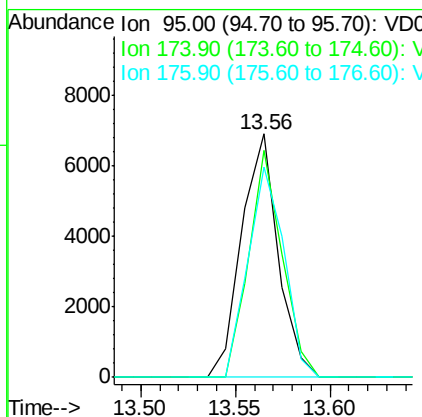
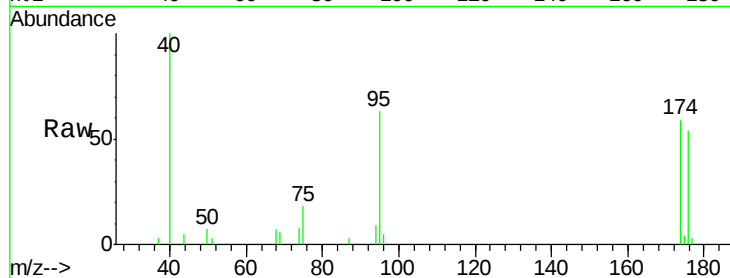




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061245.D
Acq: 21 Mar 2019 15:26

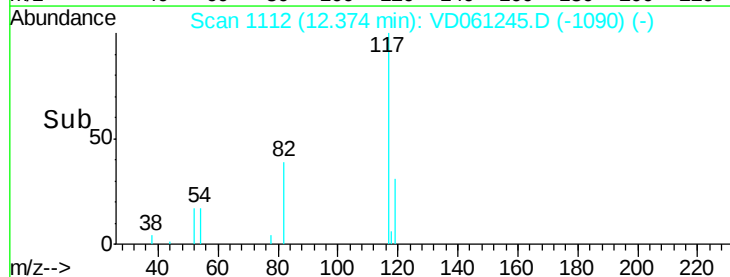
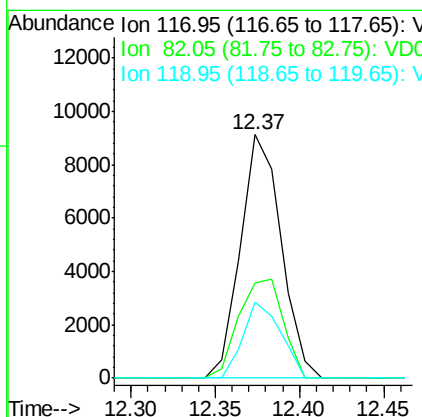
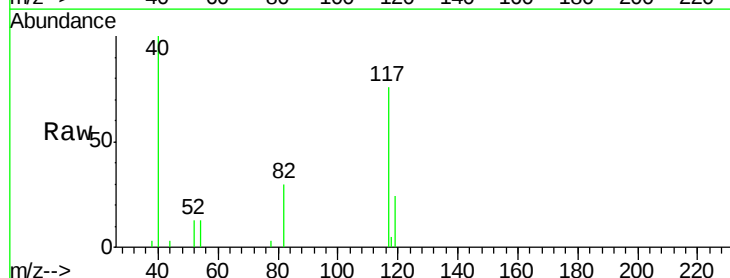
Instrument :
MSVOA_D
ClientSampleId :

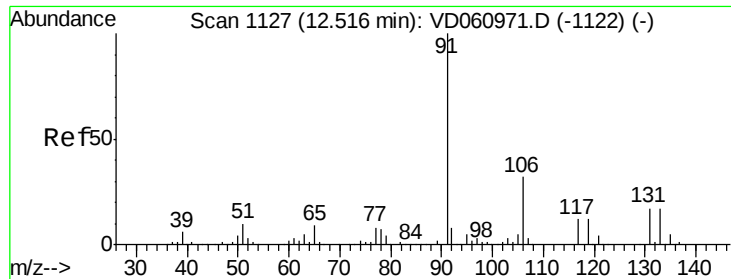
Tot Ion: 95 Resp: 9237
Ion Ratio Lower Upper
95 100
174 93.0 0.0 155.6
176 86.3 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061245.D
Acq: 21 Mar 2019 15:26

Tgt Ion: 117 Resp: 15294
Ion Ratio Lower Upper
117 100
82 38.9 38.9 58.3#
119 31.3 26.6 39.8

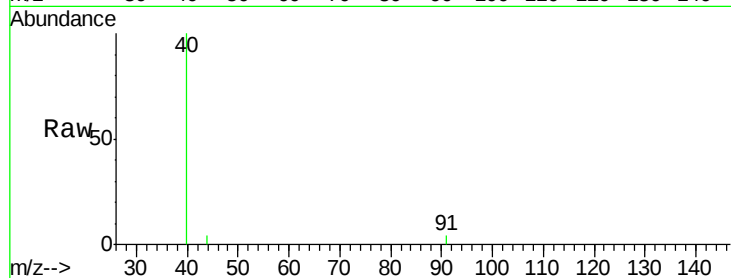




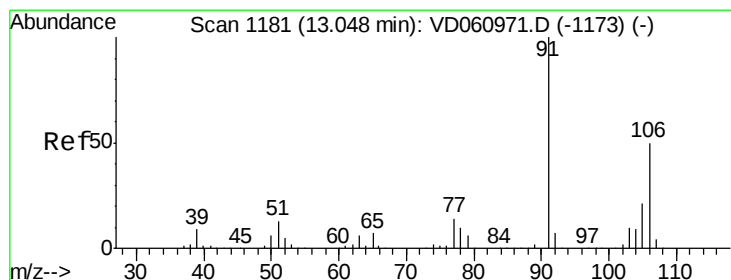
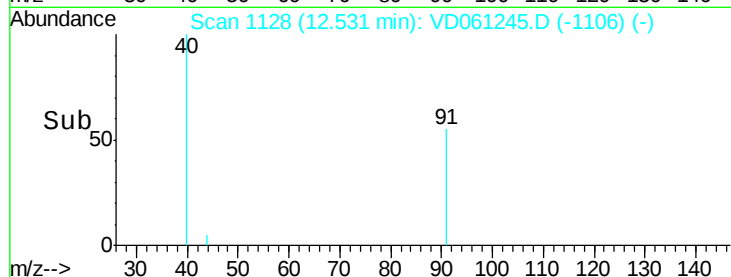
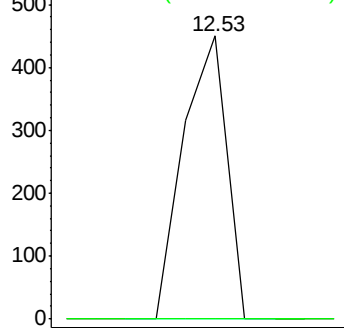
#67
Ethyl Benzene
Concen: 1.015 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061245.D
Acq: 21 Mar 2019 15:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 453
Ion Ratio Lower Upper
91 100
106 0.0 25.7 38.5#

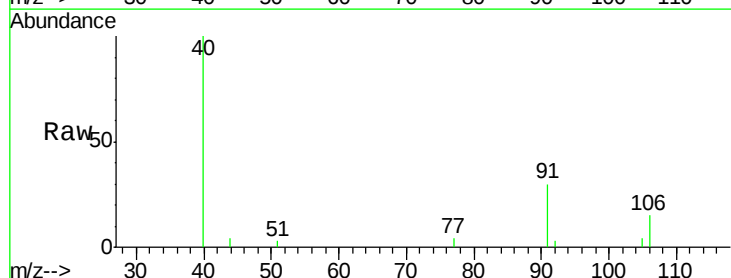


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

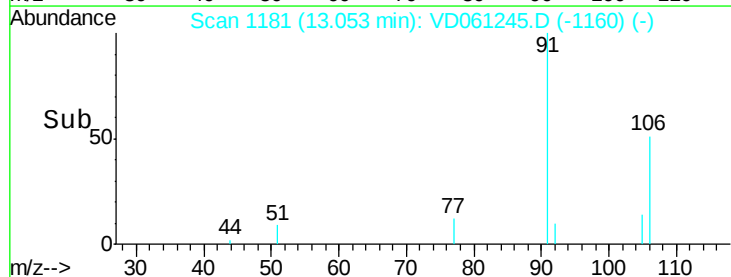
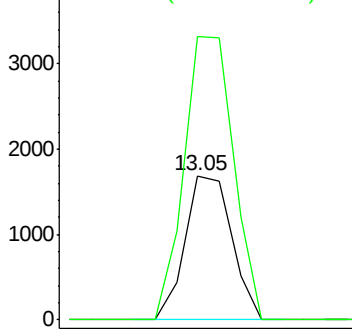


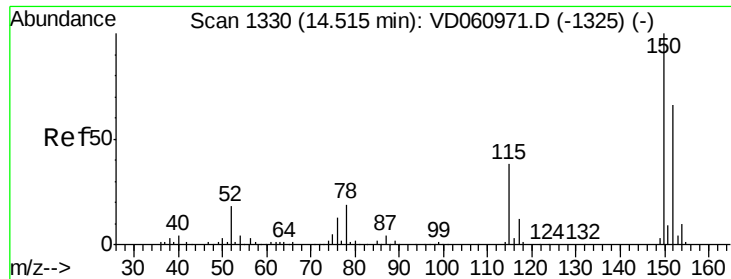
#69
o-Xylene
Concen: 14.645 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061245.D
Acq: 21 Mar 2019 15:26

Tgt Ion: 106 Resp: 2522
Ion Ratio Lower Upper
106 100
91 196.0 99.8 299.3



Abundance Ion 106.05 (105.75 to 106.75): VDC
Ion 91.00 (90.70 to 91.70): VDC





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061245.D

Acq: 21 Mar 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

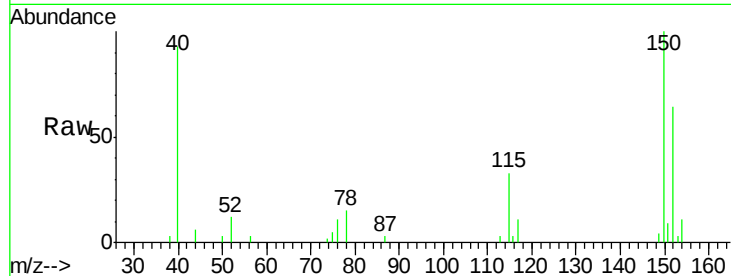
Tot Ion:152 Resp: 11179

Ion Ratio Lower Upper

152 100

115 52.7 28.6 85.9

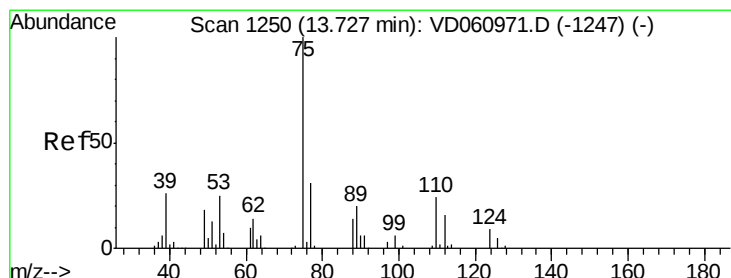
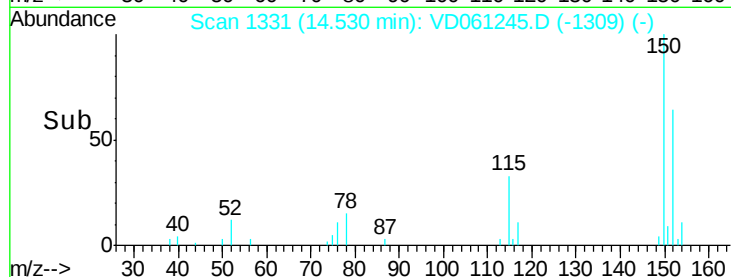
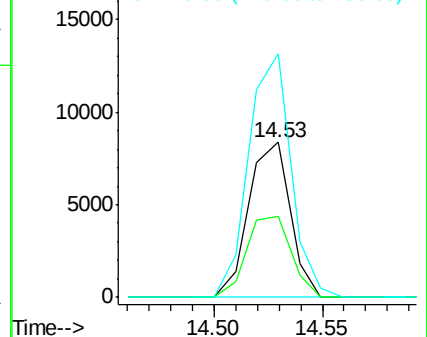
150 157.3 0.0 310.6



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: 18.038 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061245.D

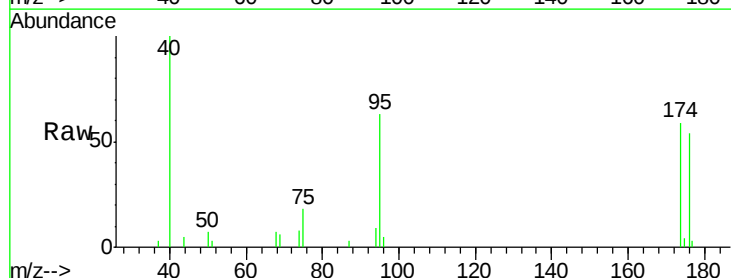
Acq: 21 Mar 2019 15:26

Tgt Ion: 75 Resp: 2901

Ion Ratio Lower Upper

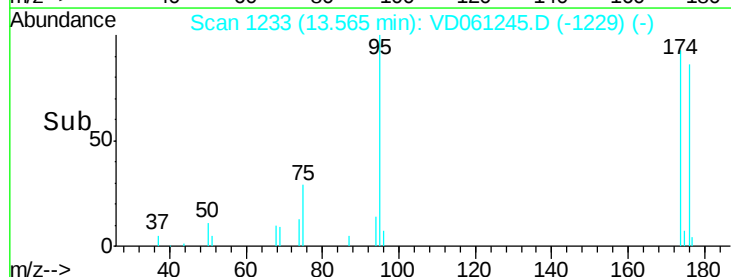
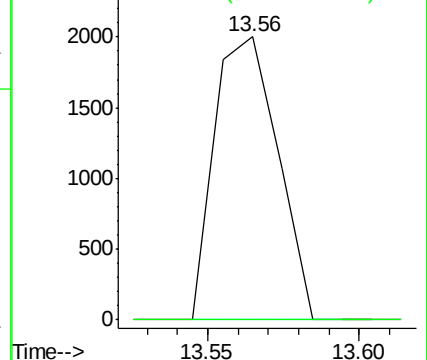
75 100

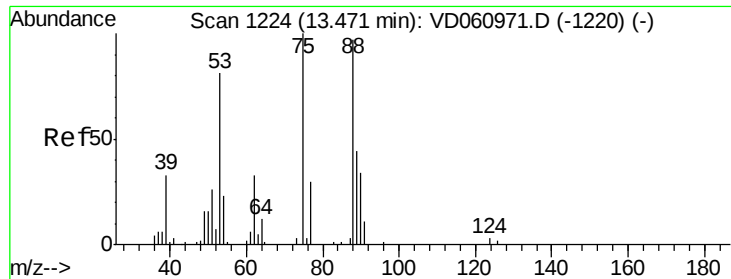
77 0.0 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 61.182 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061245.D

Acq: 21 Mar 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

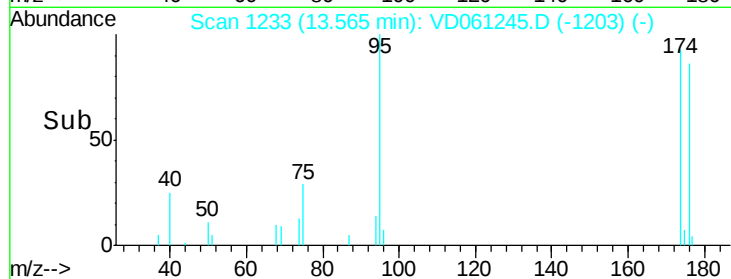
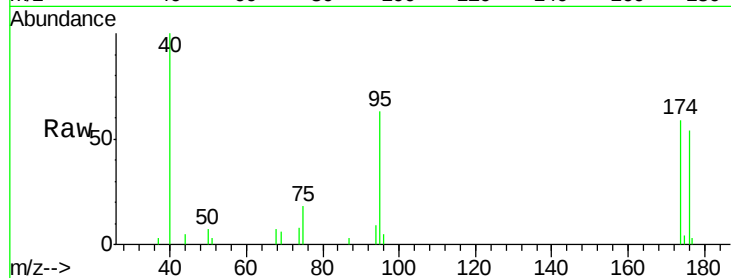
Tot Ion: 75 Resp: 2901

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

