

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 :
 WCXY2

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%	

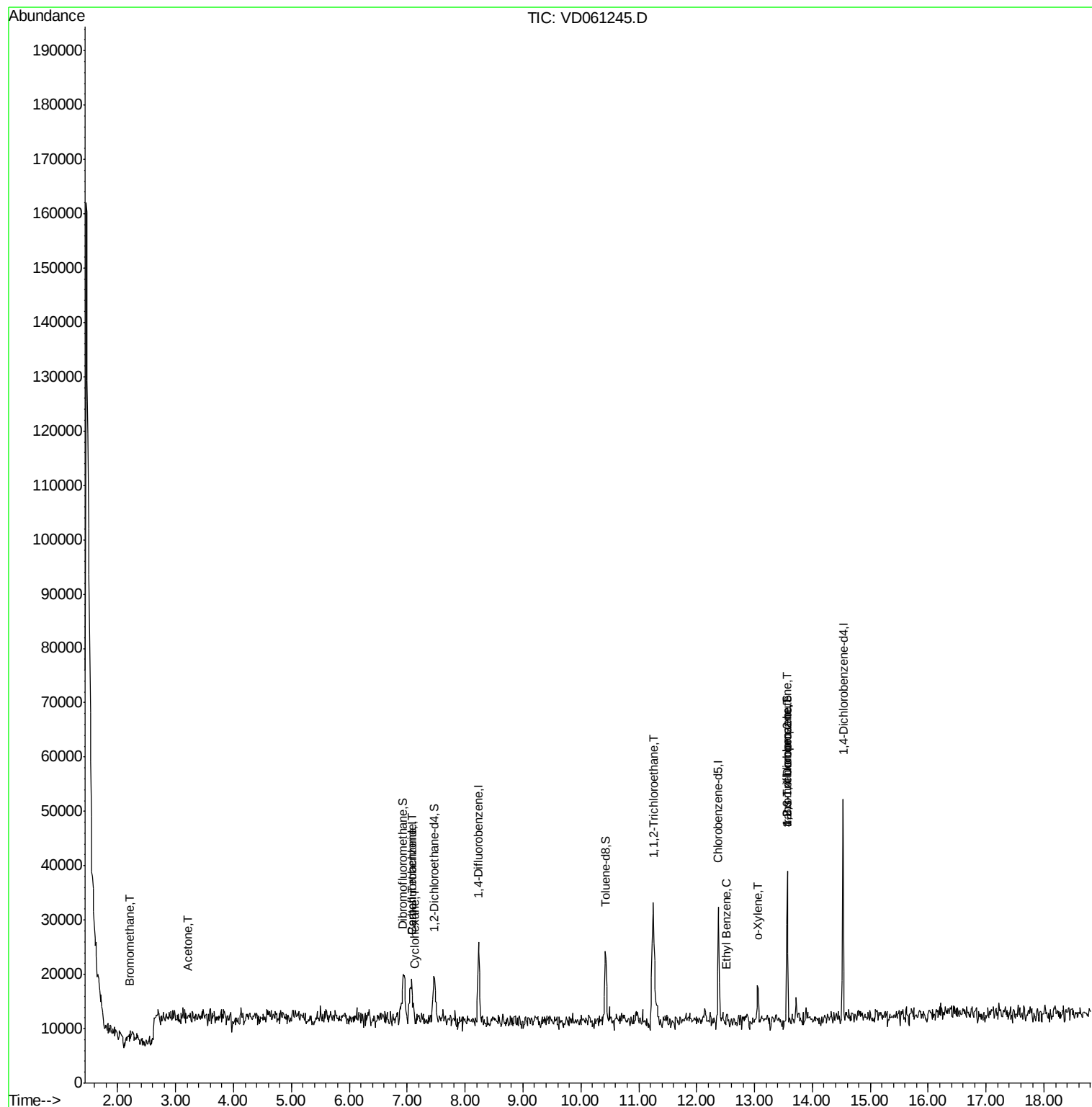
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.21	94	184	8.543	ug/l #	1
16) Acetone	3.23	43	419	13.674	ug/l #	48
20) Methylene Chloride	3.84	84	542	Below Cal	#	46
31) Cyclohexane	7.14	56	198	1.044	ug/l #	18
38) Carbon Tetrachloride	7.07	117	409	1.870	ug/l #	11
55) 1,1,2-Trichloroethane	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

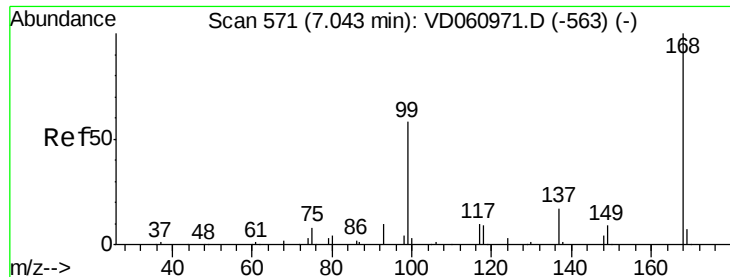
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032119\
Data File : VD061245.D
Acq On : 21 Mar 2019 15:26
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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
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Quant Time: Mar 22 04:31:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
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 :

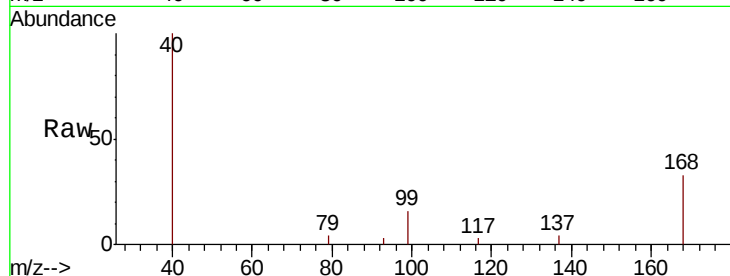
WCXY2

Tot Ion:168 Resp: 12873

Ion Ratio Lower Upper

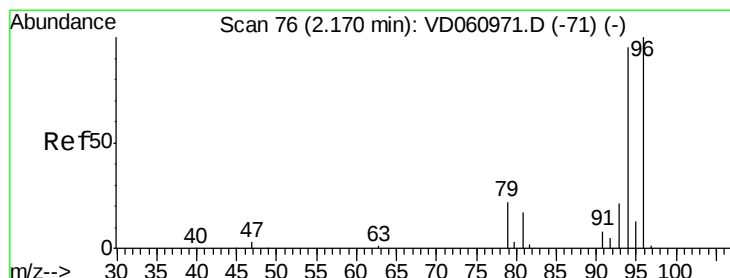
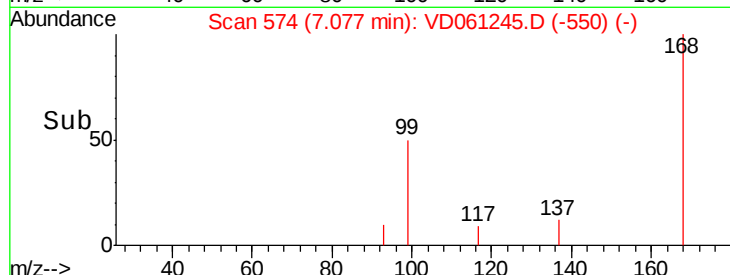
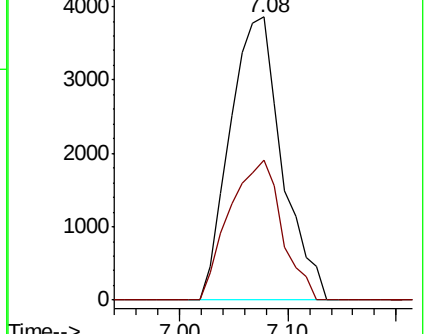
168 100

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

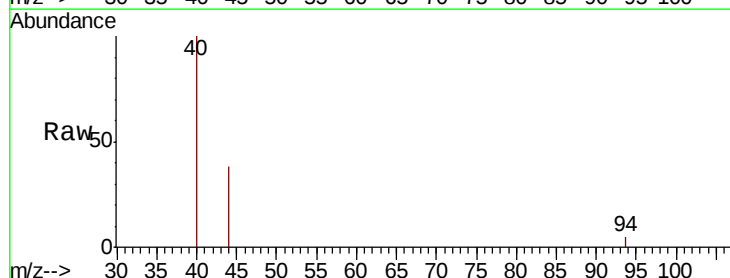
Tgt Ion: 94 Resp: 184

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

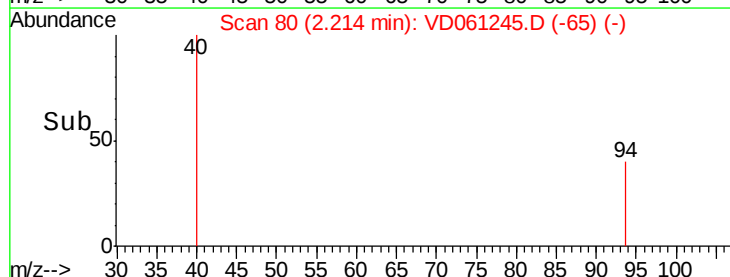
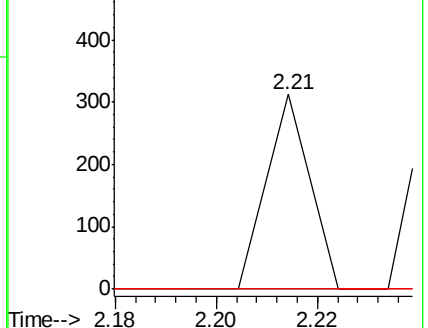
93 100.0 17.3 25.9#

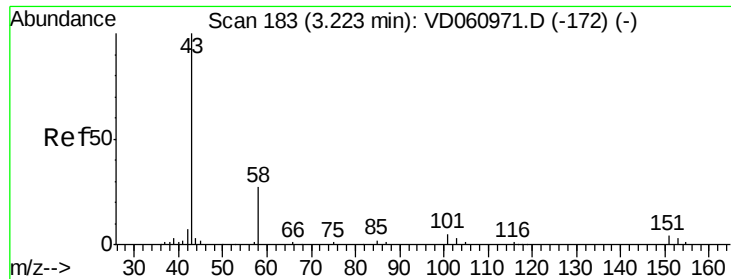


Abundance Ion 94.00 (93.70 to 94.70): VDC

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 :

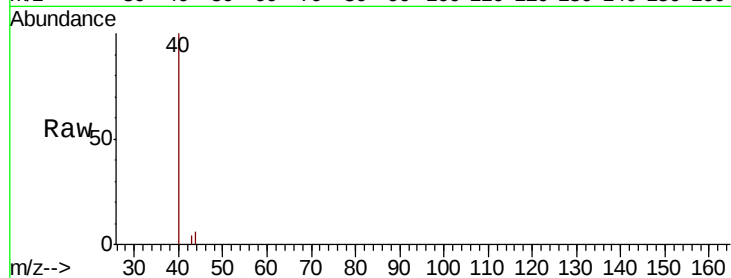
WCXY2

Tot Ion: 43 Resp: 419

Ion Ratio Lower Upper

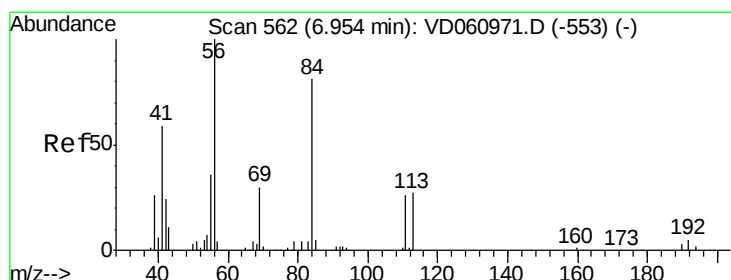
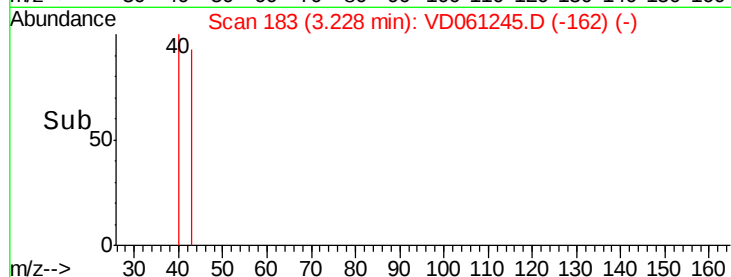
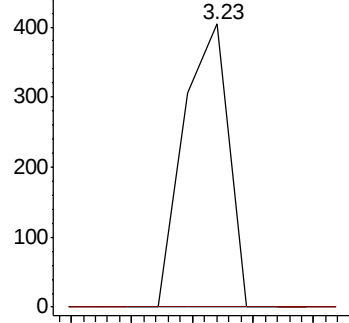
43 100

58 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#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

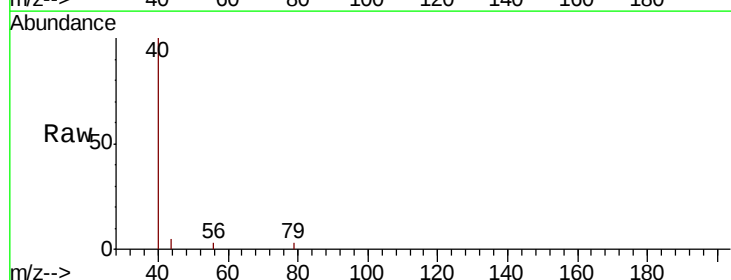
Tgt Ion: 56 Resp: 198

Ion Ratio Lower Upper

56 100

69 0.0 24.0 36.0#

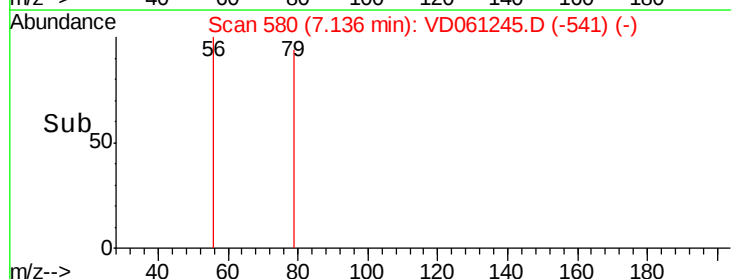
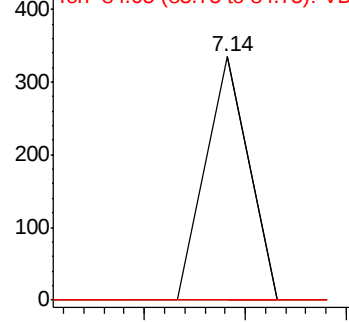
84 0.0 65.8 98.6#

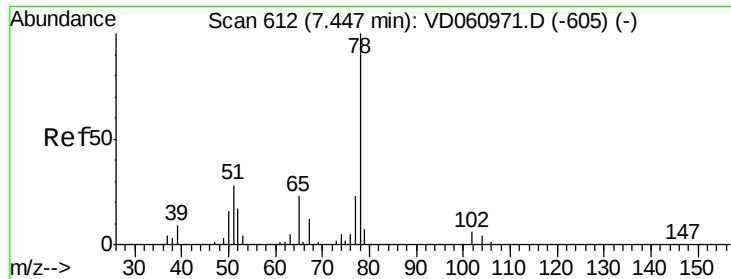


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

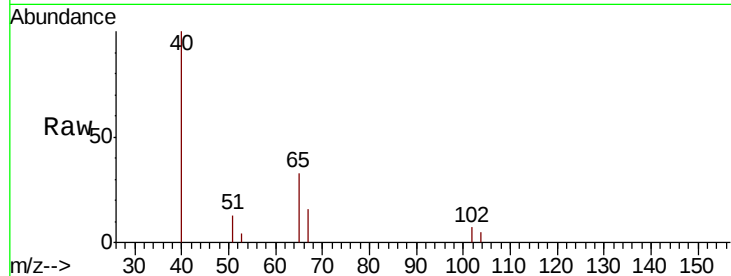




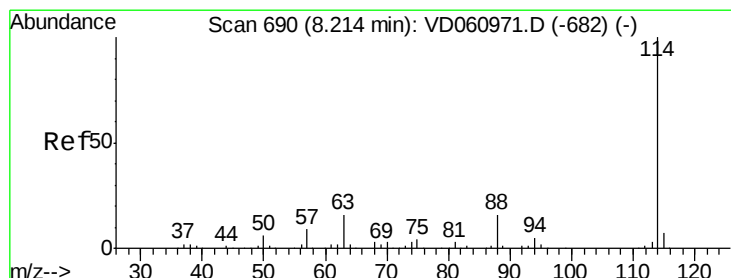
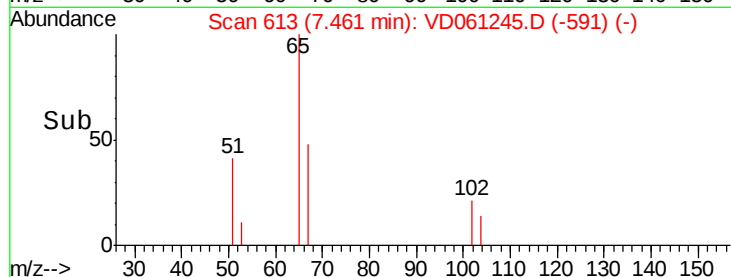
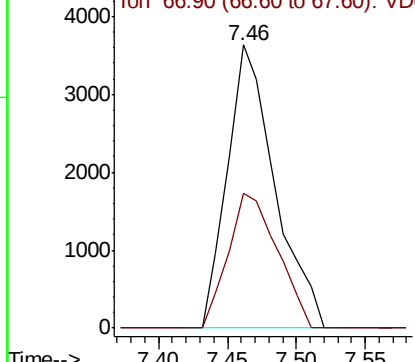
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061245.D
 Acq: 21 Mar 2019 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 WCXY2

Tot Ion: 65 Resp: 8707
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 105.2

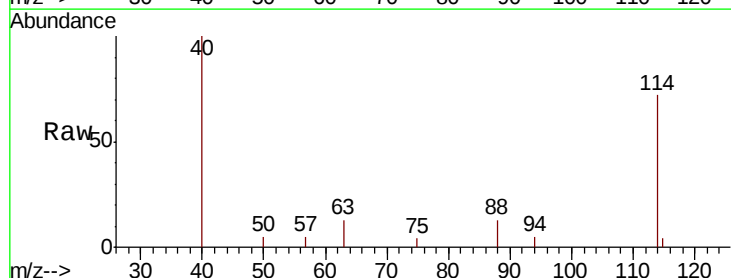


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

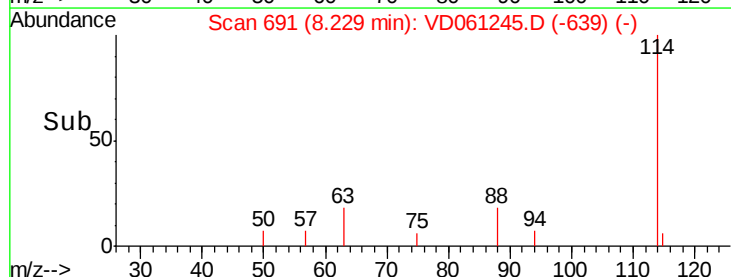
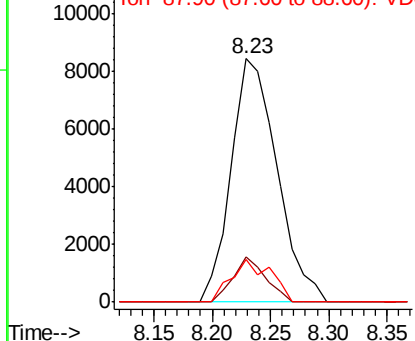


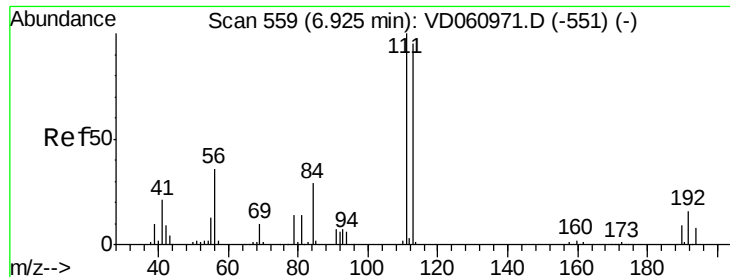
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061245.D
 Acq: 21 Mar 2019 15:26

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): VDC
 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 :

WCXY2

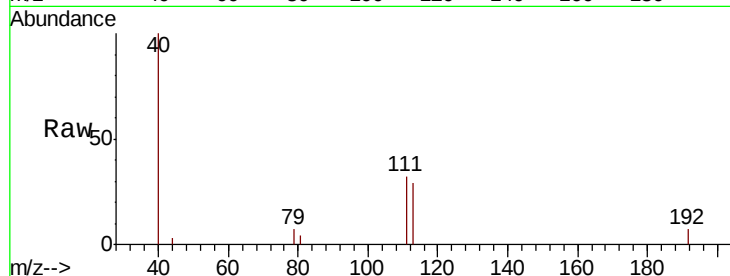
Tot Ion:113 Resp: 9478

Ion Ratio Lower Upper

113 100

111 111.5 84.2 126.4

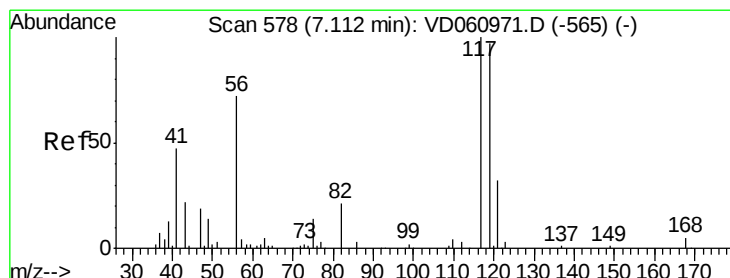
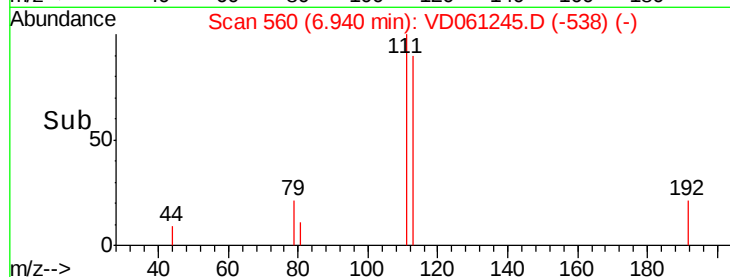
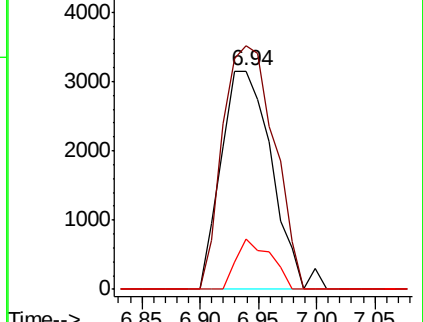
192 23.3 13.1 19.7#



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

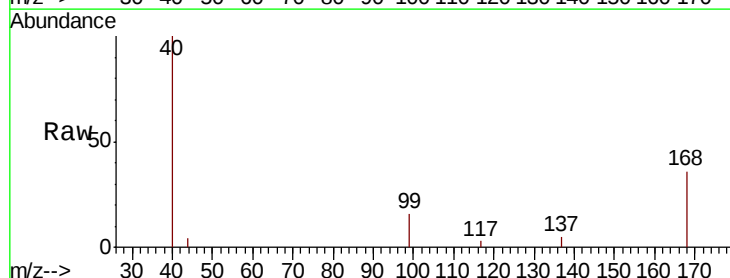
Tgt Ion:117 Resp: 409

Ion Ratio Lower Upper

117 100

119 0.0 77.8 116.8#

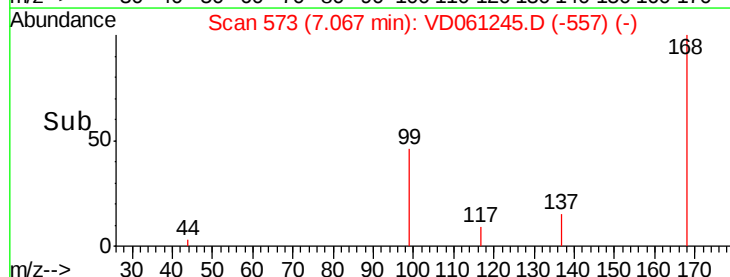
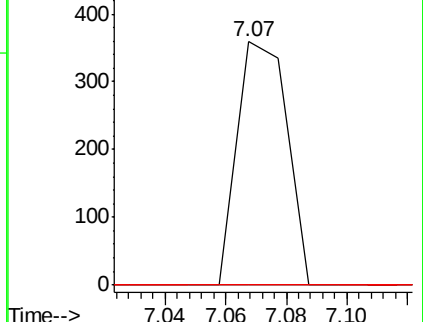
121 0.0 25.3 37.9#

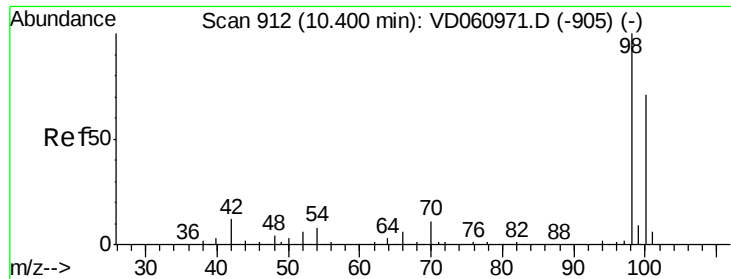


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

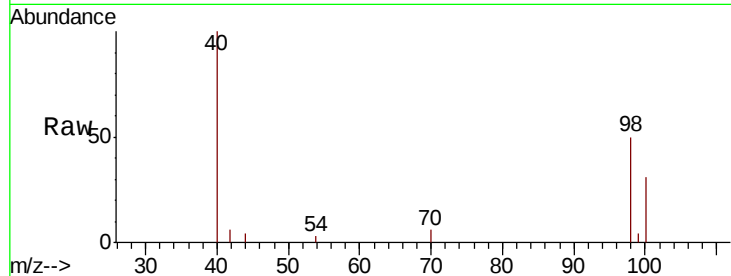




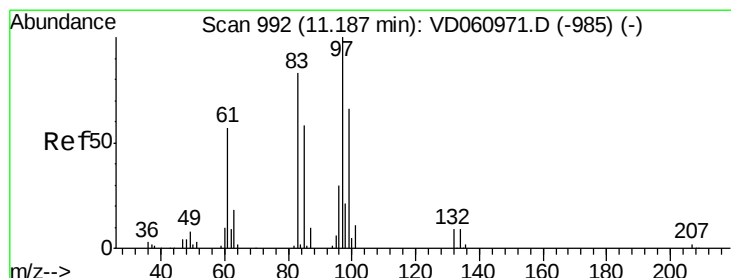
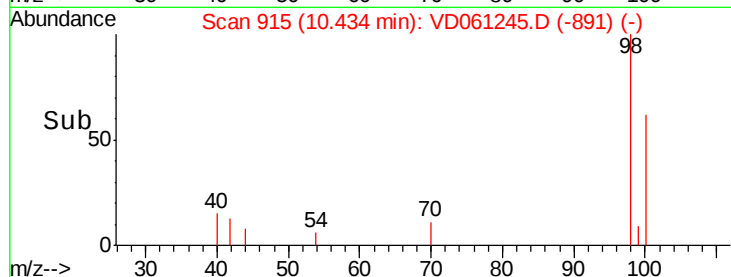
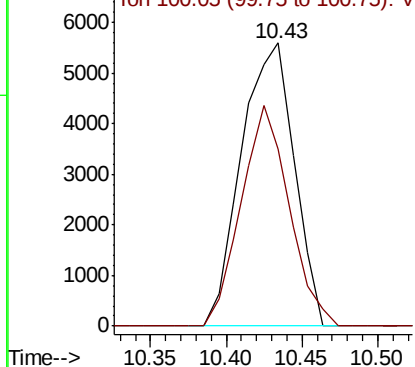
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061245.D
Acq: 21 Mar 2019 15:26

Instrument :
MSVOA_D
ClientSampleId :
WCXY2

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

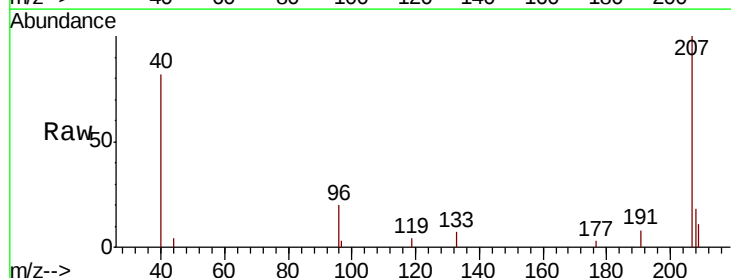


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

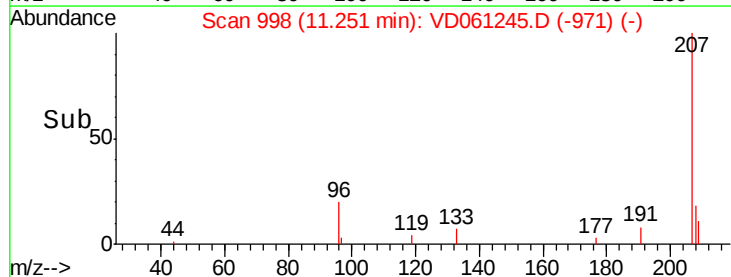
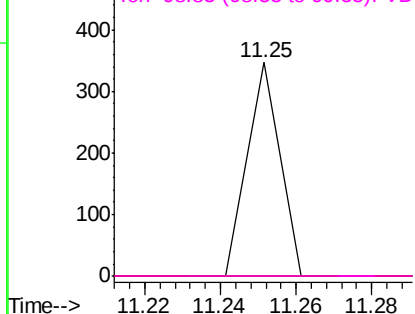


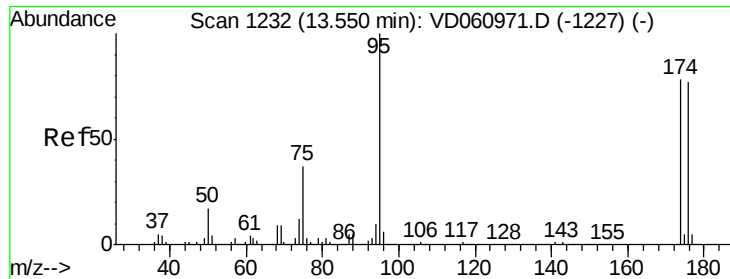
#55
1,1,2-Trichloroethane
Concen: 1.996 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.06 min
Lab File: VD061245.D
Acq: 21 Mar 2019 15:26

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#



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC





#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 :

WCXY2

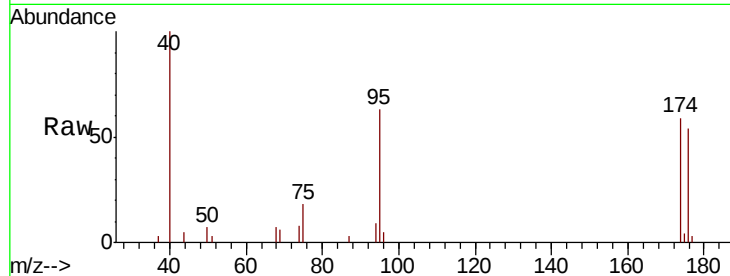
Tot Ion: 95 Resp: 9237

Ion Ratio Lower Upper

95 100

174 93.0 0.0 155.6

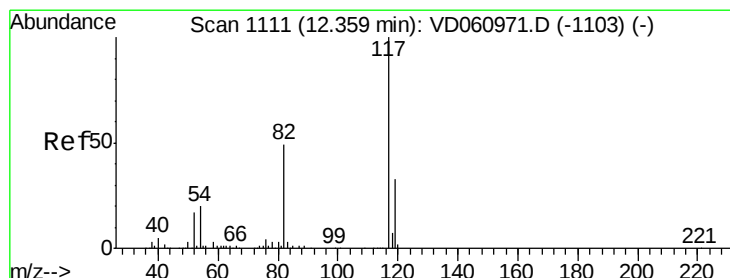
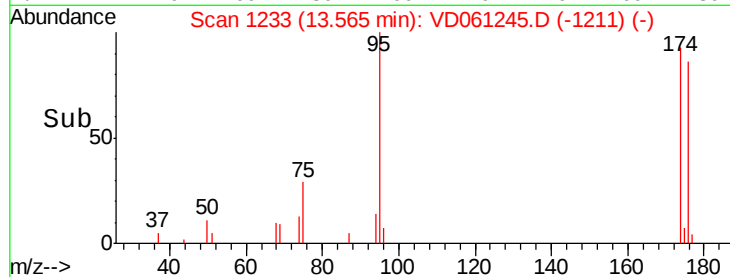
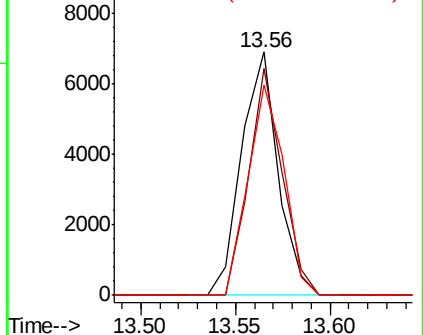
176 86.3 0.0 153.8



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. 0.01 min

Lab File: VD061245.D

Acq: 21 Mar 2019 15:26

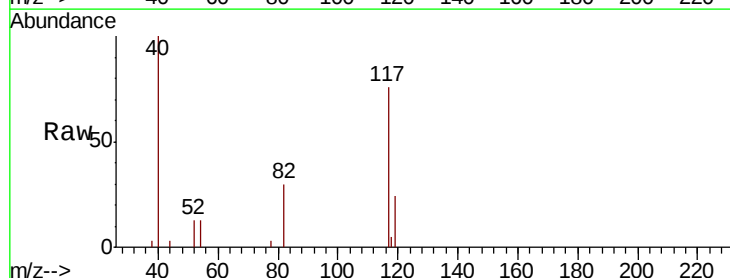
Tgt Ion: 117 Resp: 15294

Ion Ratio Lower Upper

117 100

82 38.9 38.9 58.3#

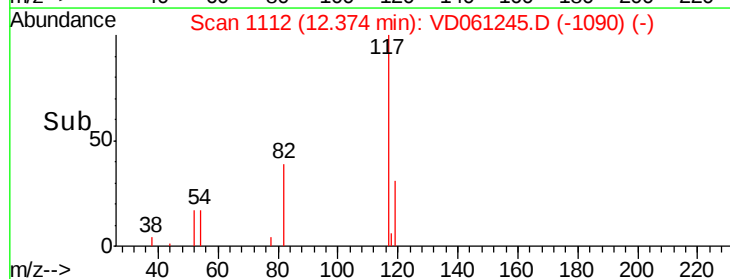
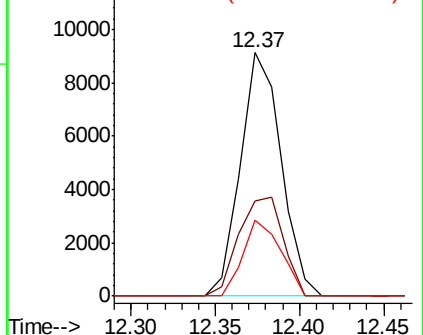
119 31.3 26.6 39.8

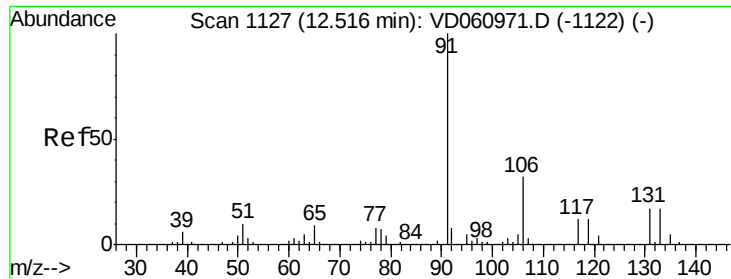


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

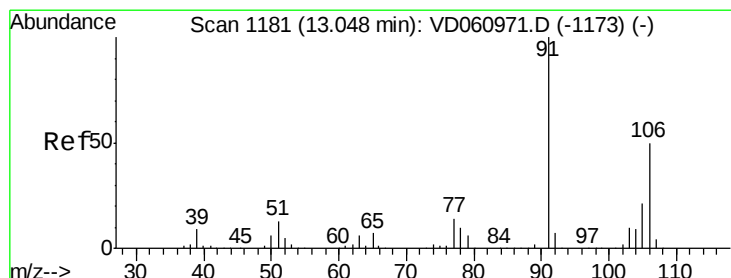
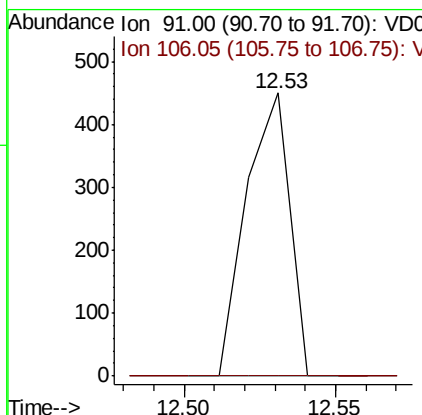
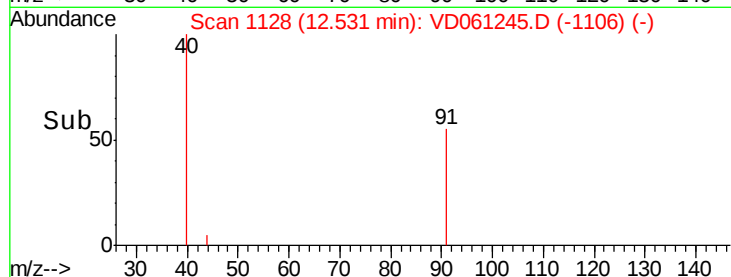
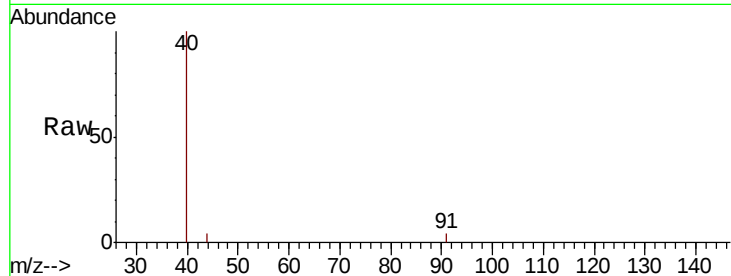




#67
Ethyl Benzene
Concen: 1.015 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061245.D
Acq: 21 Mar 2019 15:26

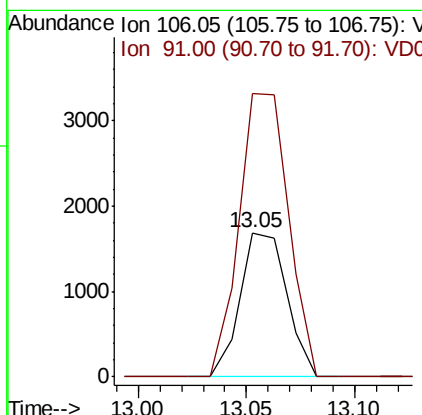
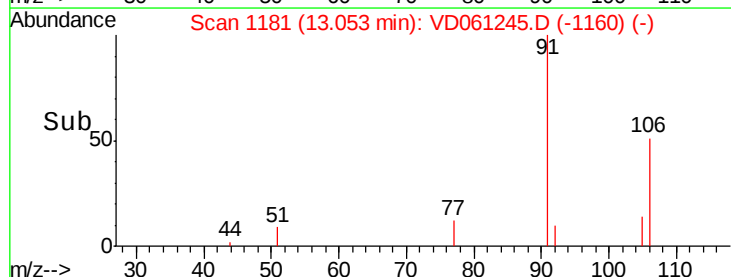
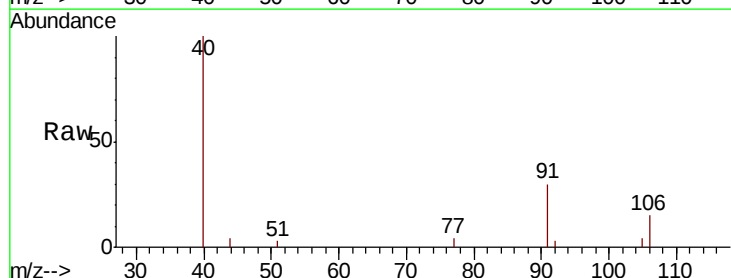
Instrument :
MSVOA_D
ClientSampleId :
WCXY2

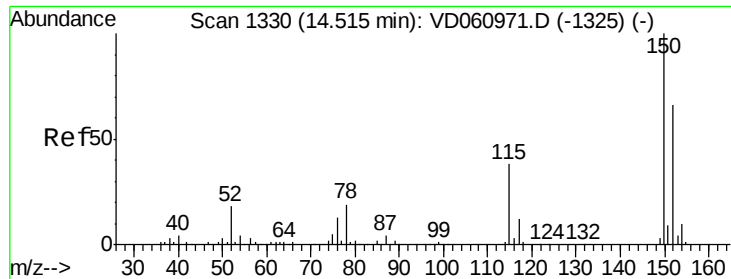
Tot Ion: 91 Resp: 453
Ion Ratio Lower Upper
91 100
106 0.0 25.7 38.5#



#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





#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 :

WCXY2

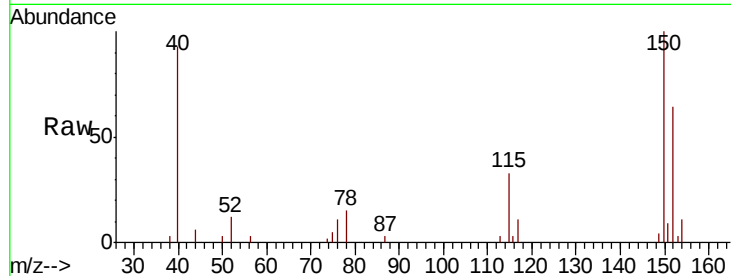
Tot Ion:152 Resp: 11179

Ion Ratio Lower Upper

152 100

115 52.7 28.6 85.9

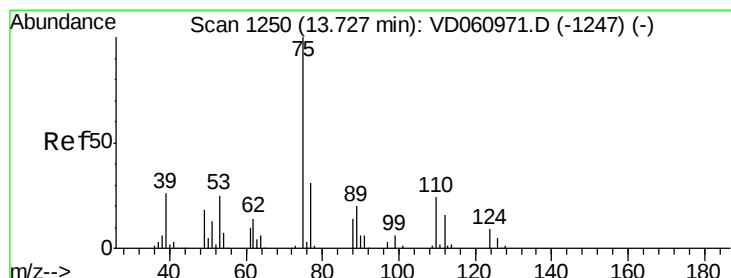
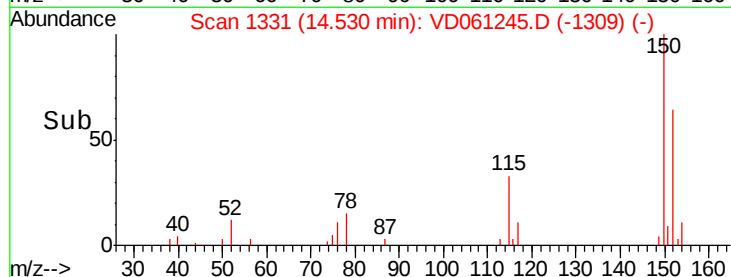
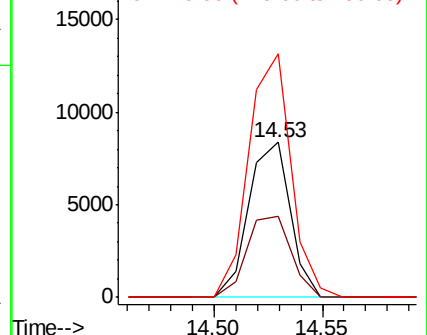
150 157.3 0.0 310.6



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

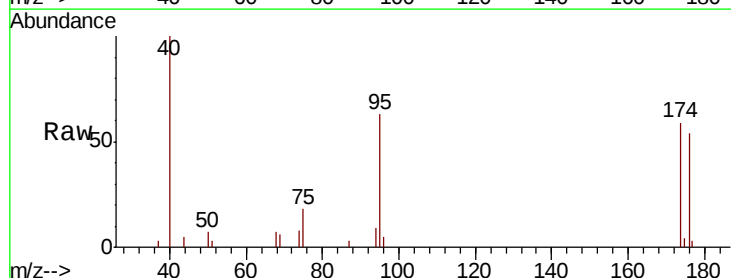
Acq: 21 Mar 2019 15:26

Tgt Ion: 75 Resp: 2901

Ion Ratio Lower Upper

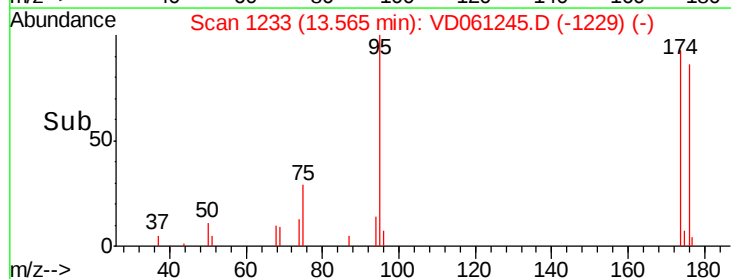
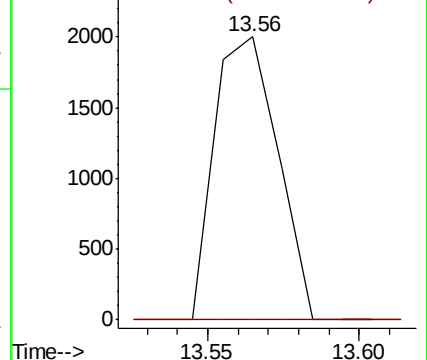
75 100

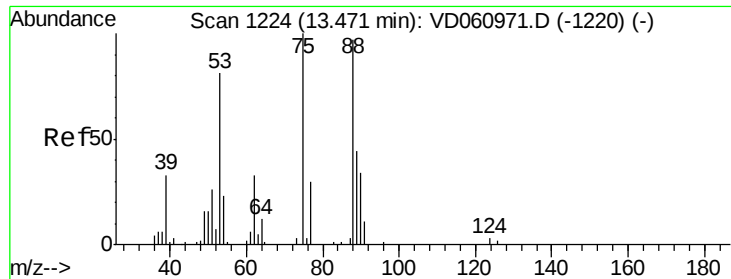
77 0.0 16.6 49.7#



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 :

WCXY2

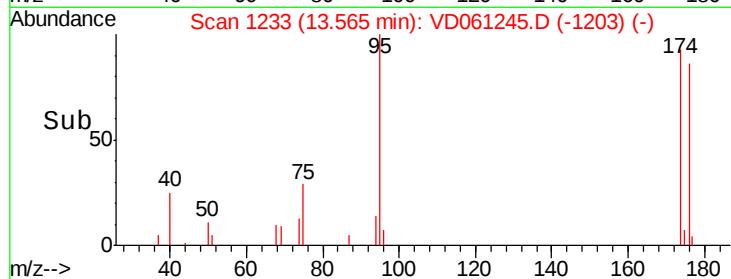
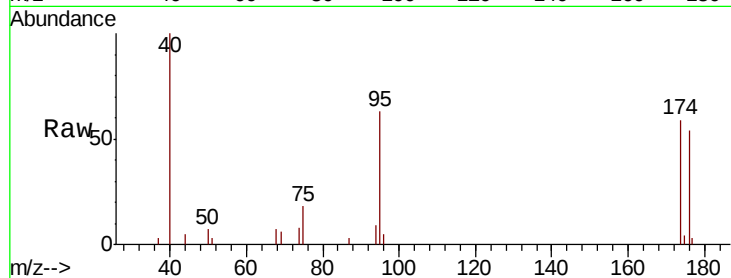
Tot Ion: 75 Resp: 2901

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

