

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
 Data File : VX013039.D
 Acq On : 14 Oct 2019 10:16
 Operator : JC/SP
 Sample : VX1014WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBL01

Quant Time: Oct 15 01:22:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	189709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	304067	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103203	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	115018	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	5.49	113	91908	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
50) Toluene-d8	8.71	98	350289	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	11.14	95	119494	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	

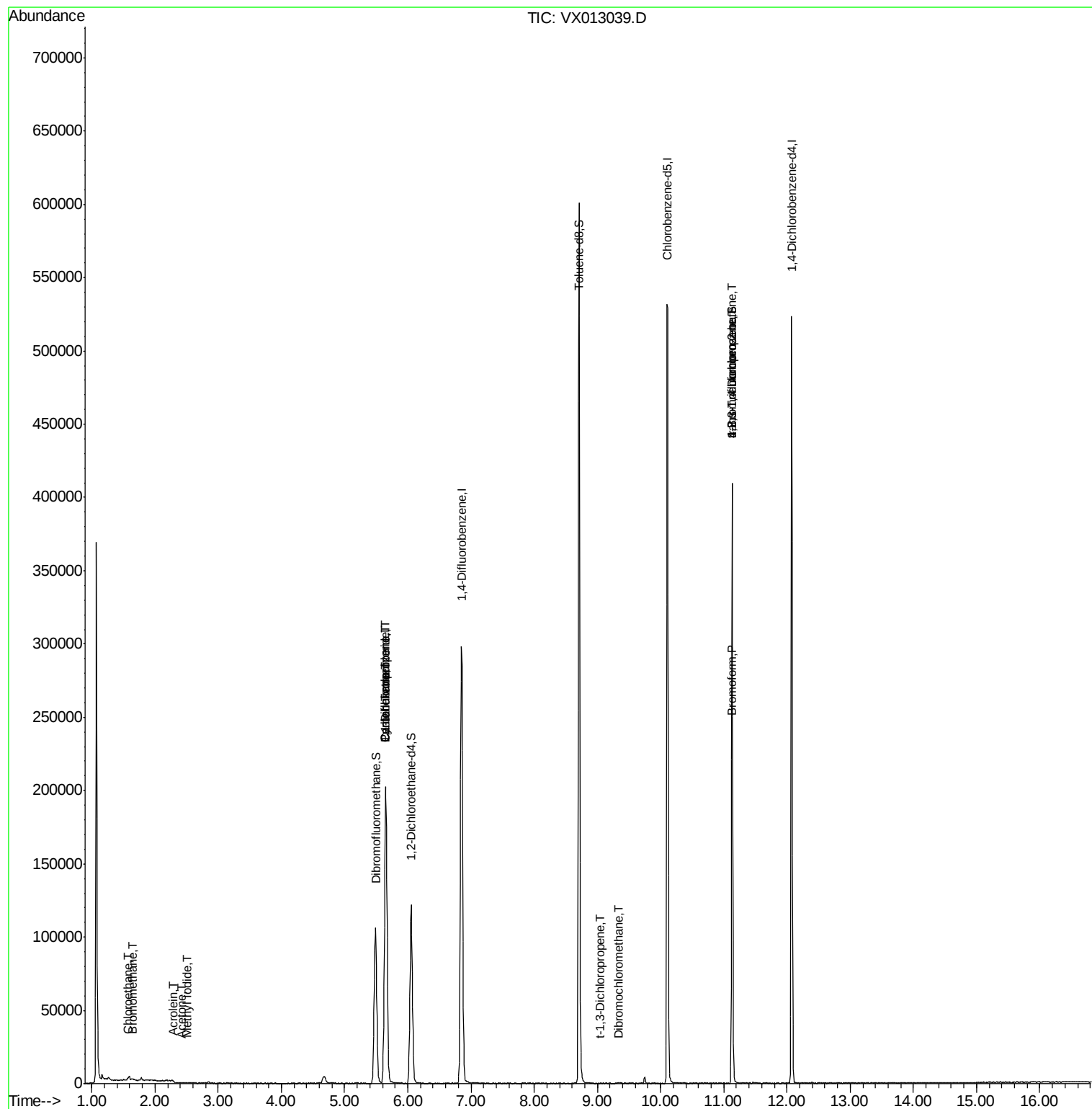
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	335	0.371	ug/l #	55
6) Chloroethane	1.56	64	99	0.442	ug/l #	43
10) Methyl Iodide	2.51	142	338	5.223	ug/l #	77
13) Acrolein	2.28	56	111	0.248	ug/l #	19
16) Acetone	2.42	43	254	0.203	ug/l #	43
31) Cyclohexane	5.65	56	3884	1.129	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14938	5.588	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18253	7.015	ug/l #	17
53) t-1,3-Dichloropropene	9.04	75	33	2.178	ug/l #	42
60) Dibromochloromethane	9.32	129	71	1.888	ug/l #	10
71) Bromoform	11.12	173	68	3.175	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	58836	25.703	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	58836	64.781	ug/l #	10

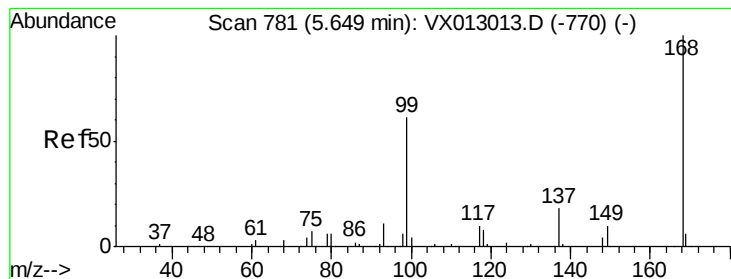
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013039.D

Acq: 14 Oct 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

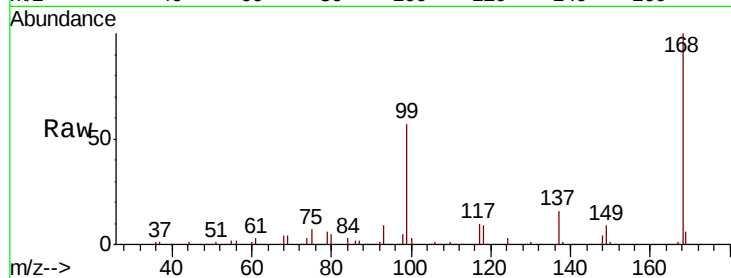
VX1014WBL01

Tot Ion:168 Resp: 189709

Ion Ratio Lower Upper

168 100

99 56.6 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

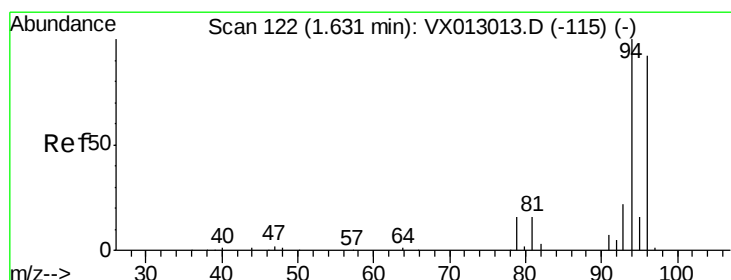
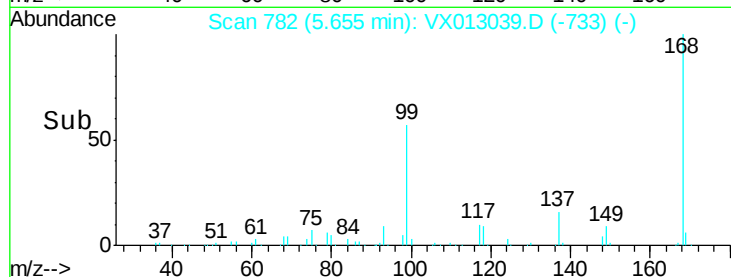
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.371 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013039.D

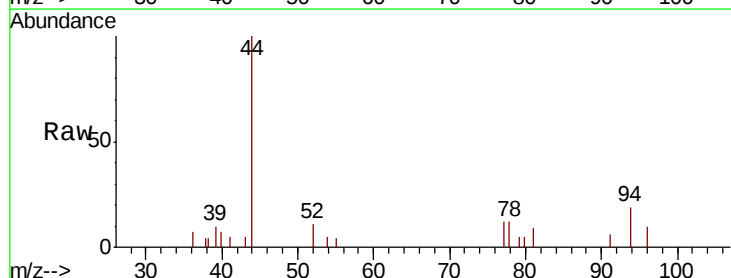
Acq: 14 Oct 2019 10:16

Tgt Ion: 94 Resp: 335

Ion Ratio Lower Upper

94 100

96 50.2 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

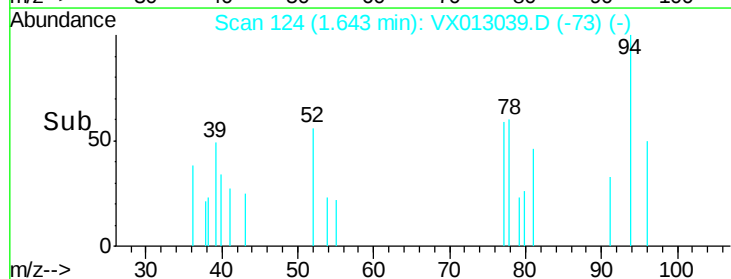
150

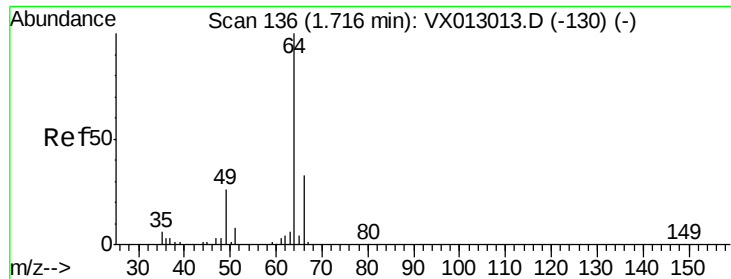
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.442 ug/l

RT: 1.56 min Scan# 111

Delta R.T. -0.15 min

Lab File: VX013039.D

Acq: 14 Oct 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

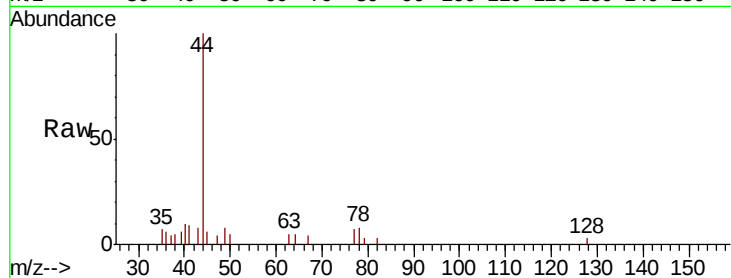
VX1014WBL01

Tot Ion: 64 Resp: 99

Ion Ratio Lower Upper

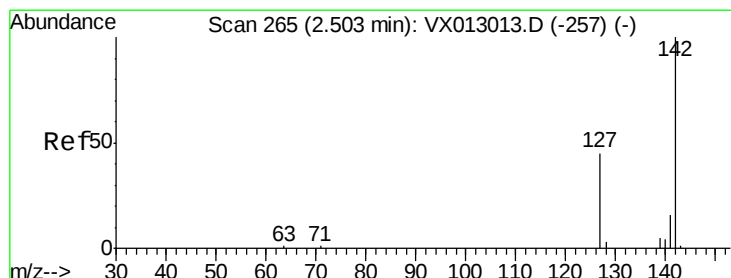
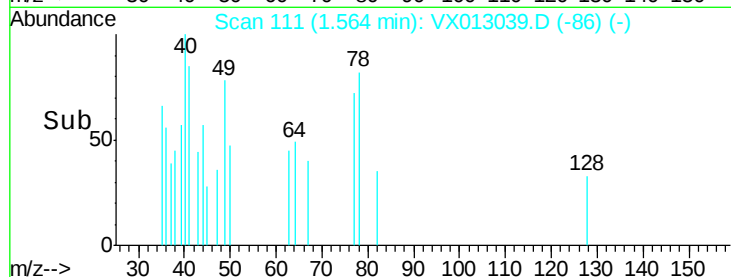
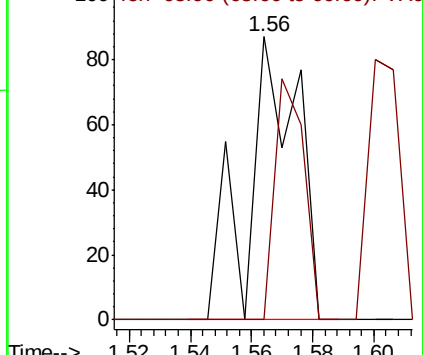
64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.223 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013039.D

Acq: 14 Oct 2019 10:16

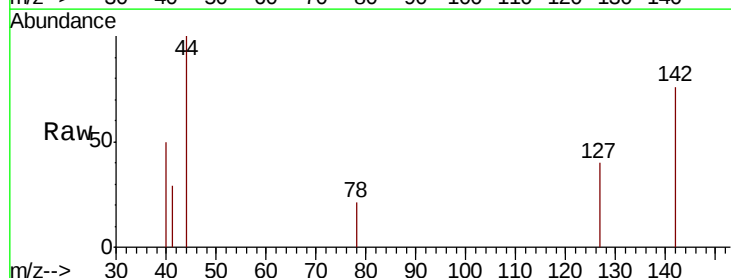
Tgt Ion: 142 Resp: 338

Ion Ratio Lower Upper

142 100

127 31.1 34.9 52.3#

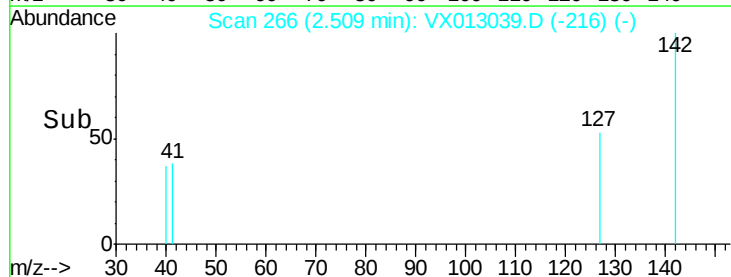
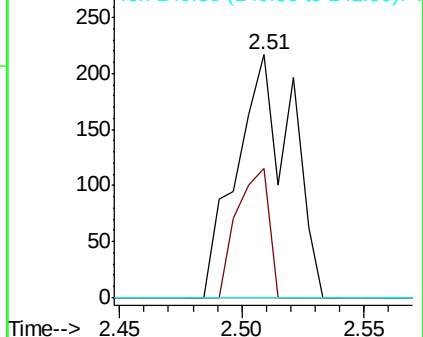
141 0.0 11.6 17.4#

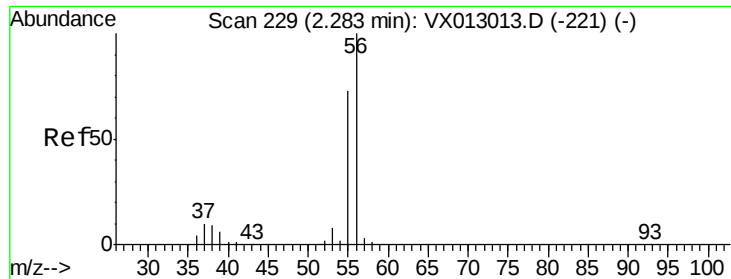


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

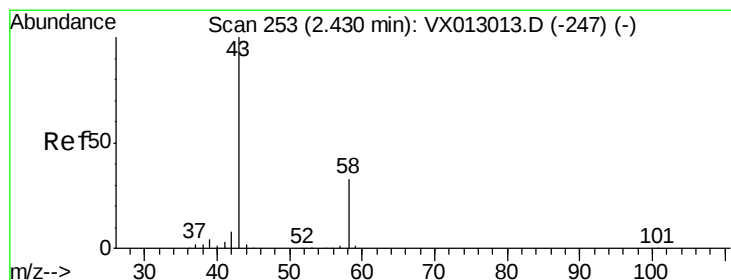
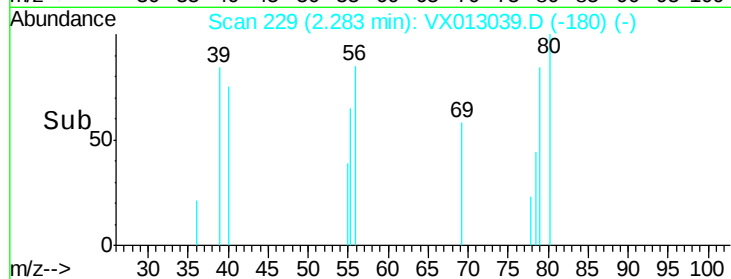
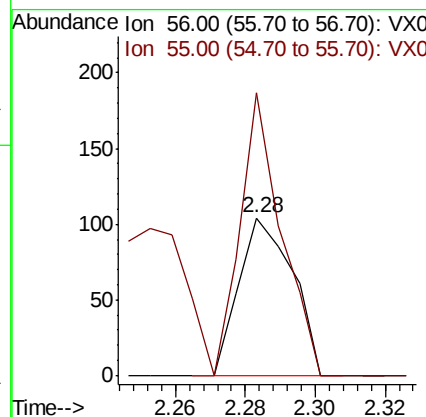
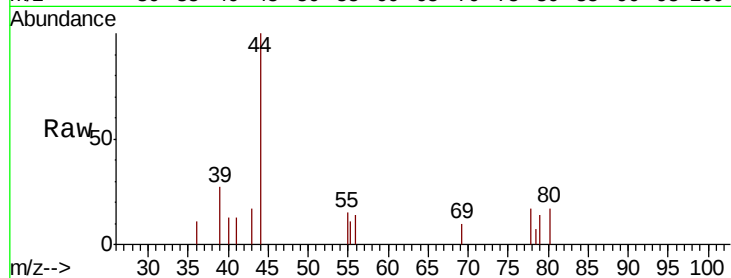




#13
Acrolein
Concen: 0.248 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013039.D
Acq: 14 Oct 2019 10:16

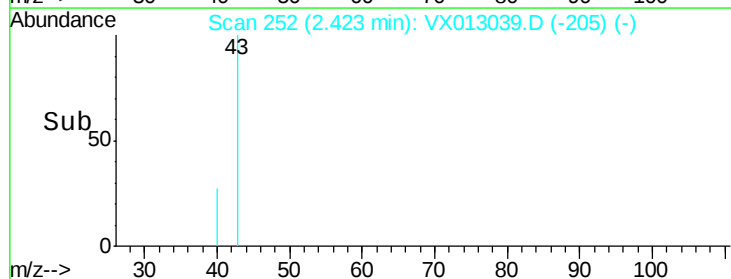
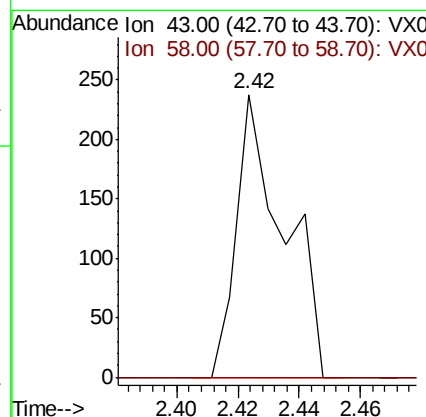
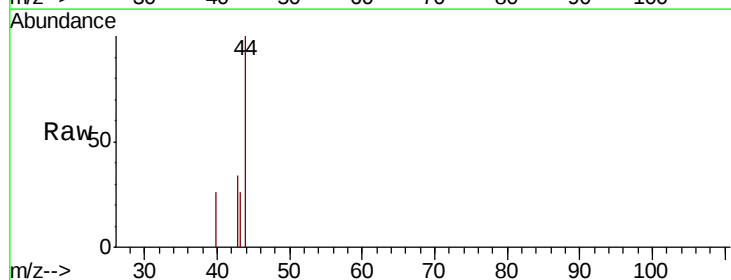
Instrument :
MSVOA_X
ClientSampleId :
VX1014WBL01

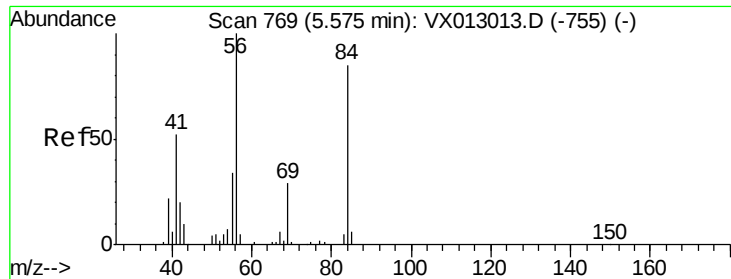
Tot Ion: 56 Resp: 111
Ion Ratio Lower Upper
56 100
55 137.8 56.6 85.0#



#16
Acetone
Concen: 0.203 ug/l
RT: 2.42 min Scan# 252
Delta R.T. -0.01 min
Lab File: VX013039.D
Acq: 14 Oct 2019 10:16

Tgt Ion: 43 Resp: 254
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.2#

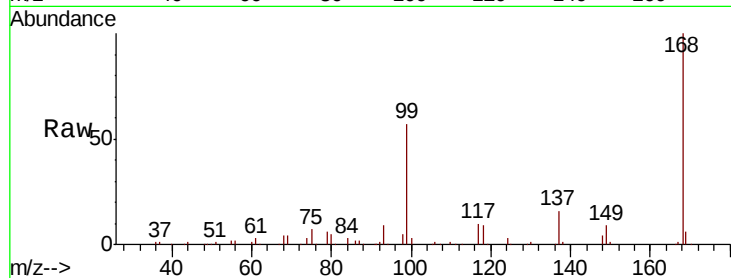




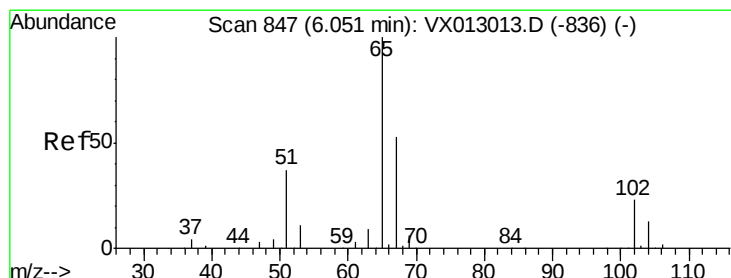
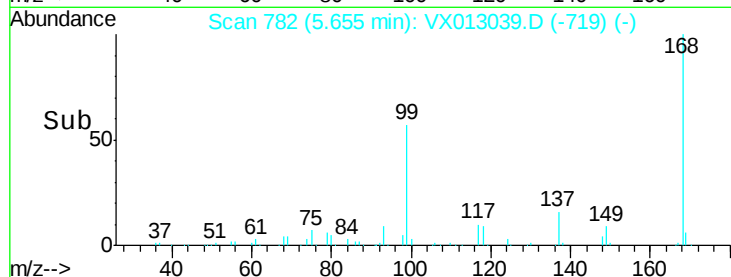
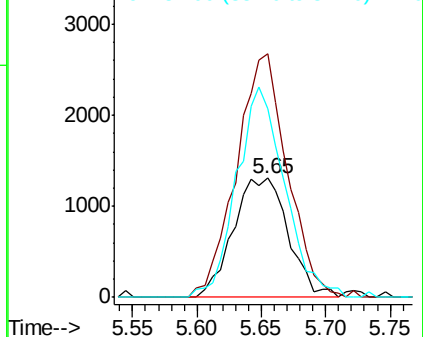
#31
Cyclohexane
Concen: 1.129 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013039.D
Acq: 14 Oct 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBL01

Tot Ion: 56 Resp: 3884
Ion Ratio Lower Upper
56 100
69 204.7 25.2 37.8#
84 158.1 71.3 106.9#

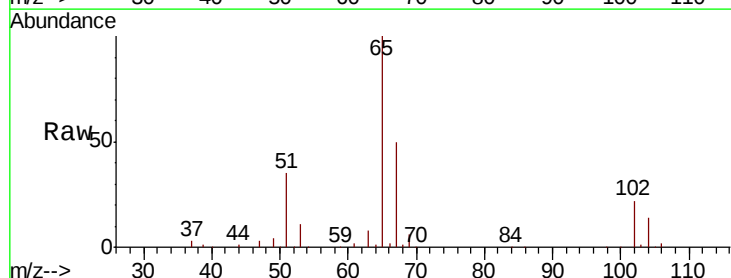


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

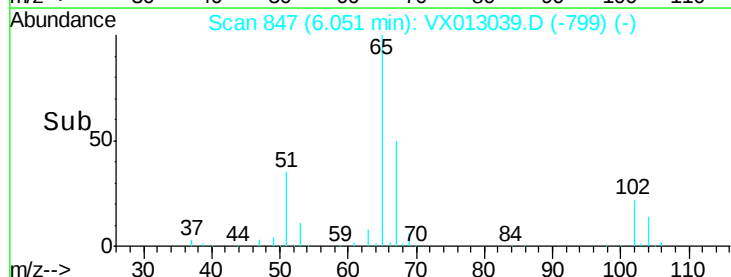
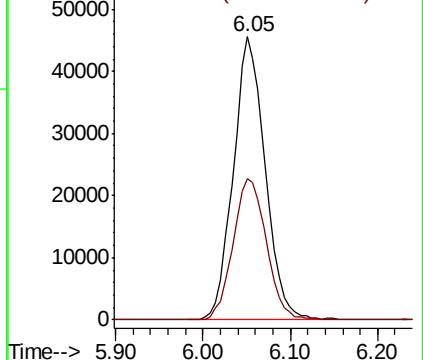


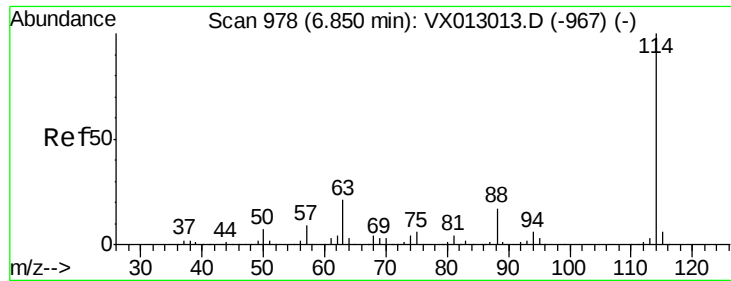
#33
1,2-Dichloroethane-d4
Concen: 48.508 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX013039.D
Acq: 14 Oct 2019 10:16

Tgt Ion: 65 Resp: 115018
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013039.D

Acq: 14 Oct 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBL01

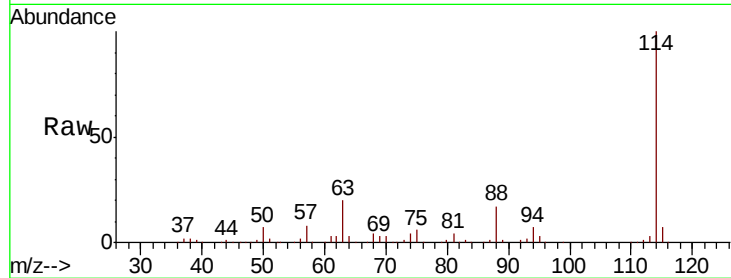
Tot Ion:114 Resp: 304067

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 17.3 0.0 33.8

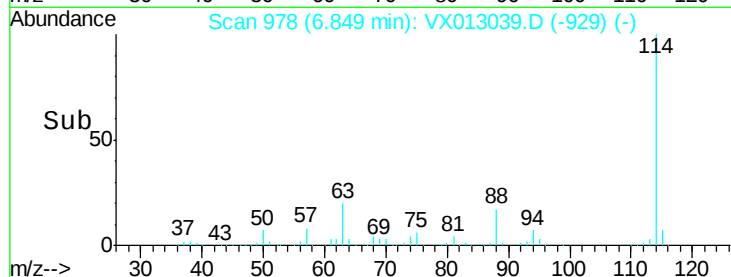


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

Time--> 6.70 6.80 6.90 7.00



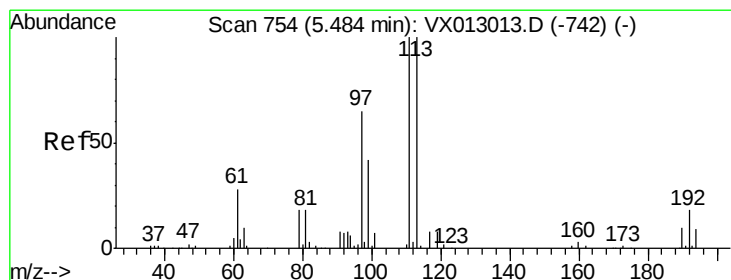
Abundance

Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

Time--> 6.70 6.80 6.90 7.00



#35

Dibromofluoromethane

Concen: 52.664 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013039.D

Acq: 14 Oct 2019 10:16

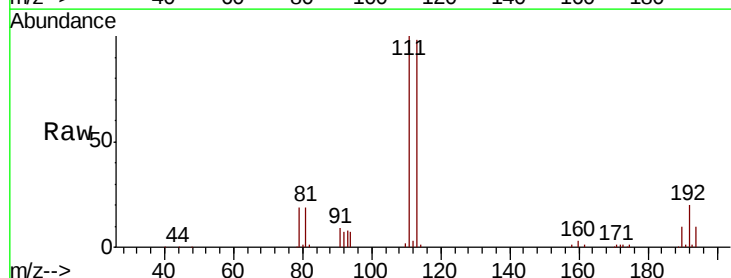
Tgt Ion:113 Resp: 91908

Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

192 19.4 15.4 23.2

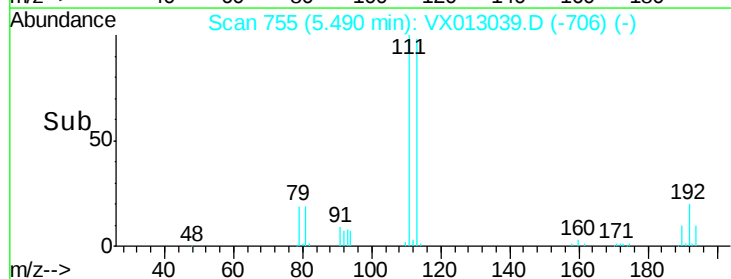


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time--> 5.40 5.50 5.60



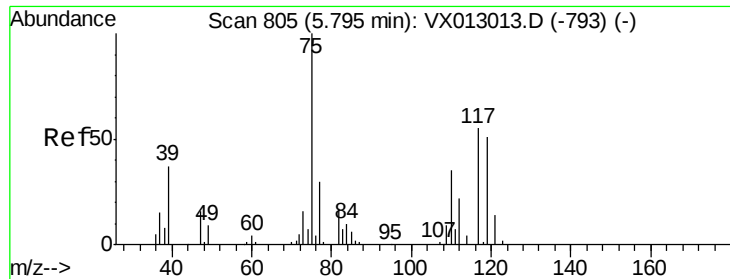
Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time--> 5.40 5.50 5.60



#36

1,1-Dichloropropene

Concen: 5.588 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013039.D

Acq: 14 Oct 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBL01

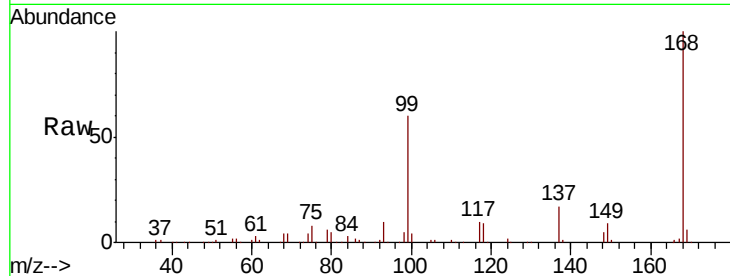
Tot Ion: 75 Resp: 14938

Ion Ratio Lower Upper

75 100

110 8.8 17.6 52.9#

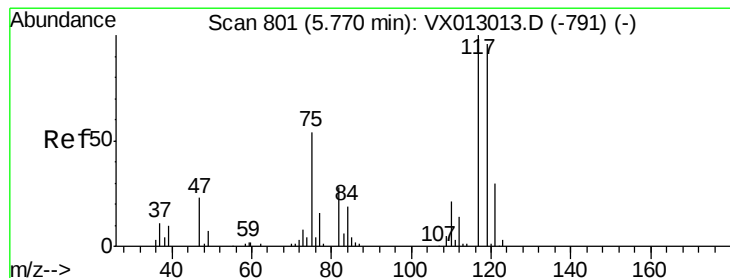
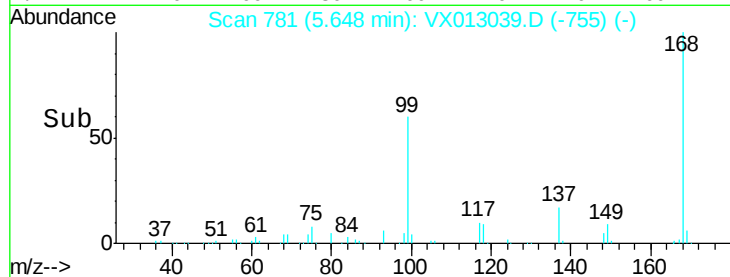
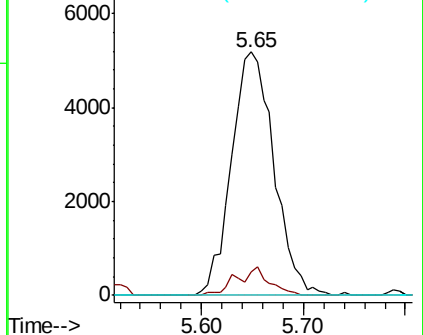
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 7.015 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013039.D

Acq: 14 Oct 2019 10:16

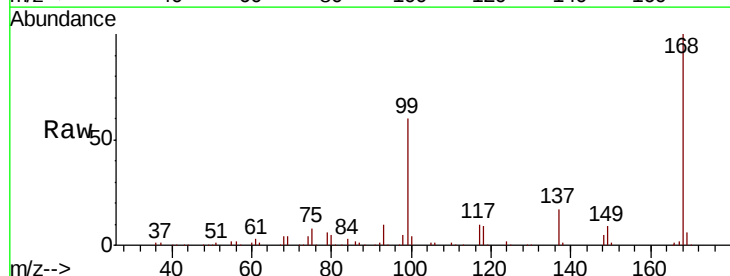
Tgt Ion: 117 Resp: 18253

Ion Ratio Lower Upper

117 100

119 4.6 74.5 111.7#

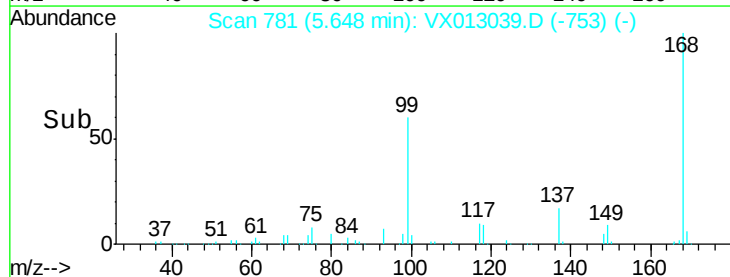
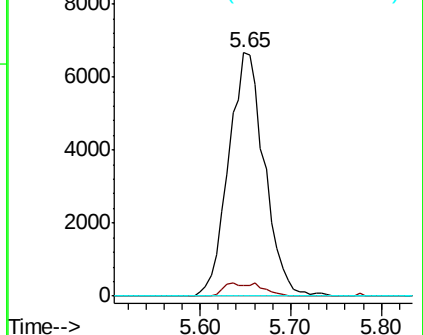
121 0.0 24.2 36.4#

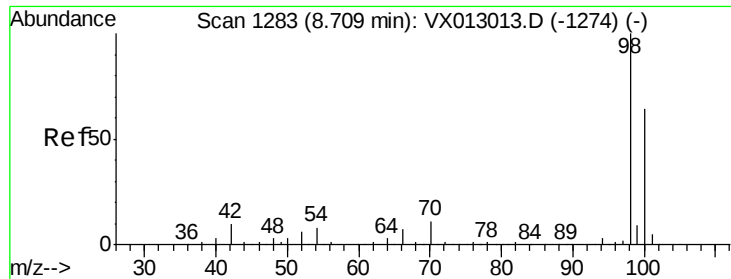


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.463 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013039.D

Acq: 14 Oct 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

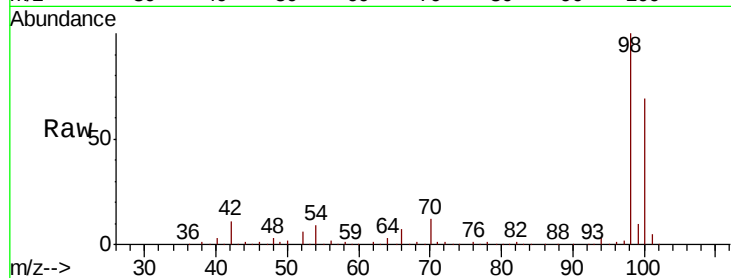
VX1014WBL01

Tot Ion: 98 Resp: 350289

Ion Ratio Lower Upper

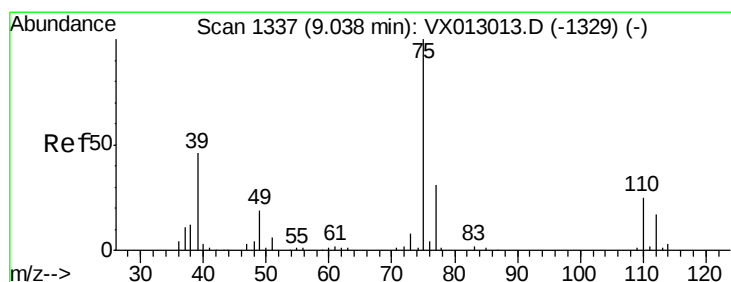
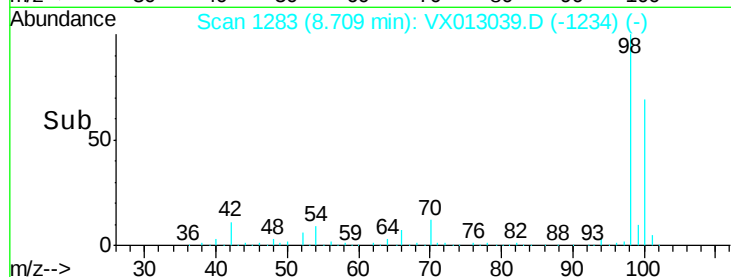
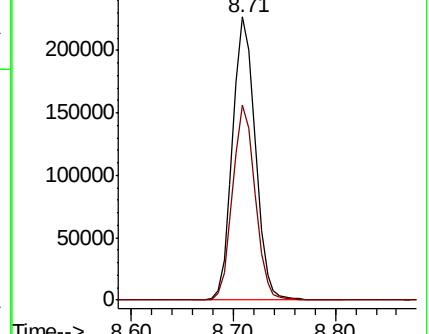
98 100

100 68.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.178 ug/l

RT: 9.04 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VX013039.D

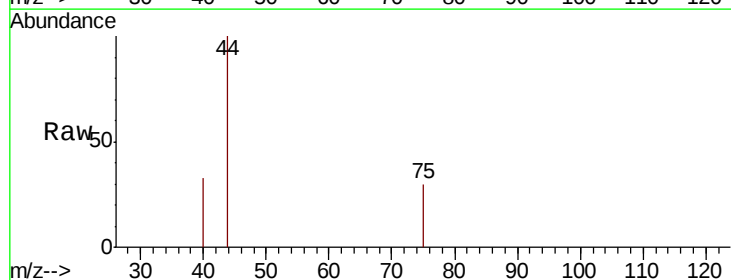
Acq: 14 Oct 2019 10:16

Tgt Ion: 75 Resp: 33

Ion Ratio Lower Upper

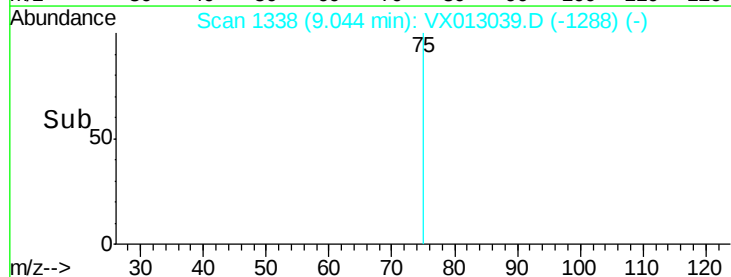
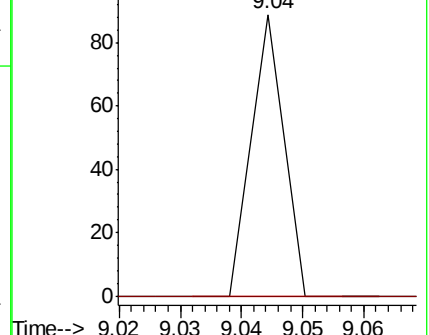
75 100

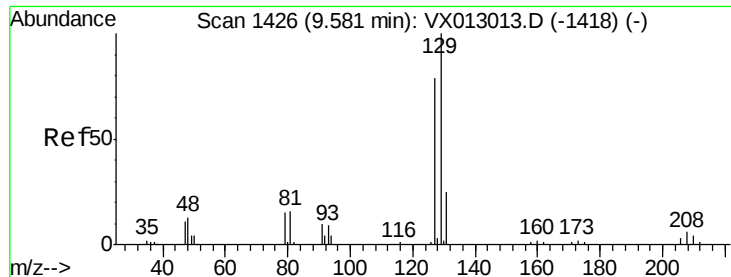
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

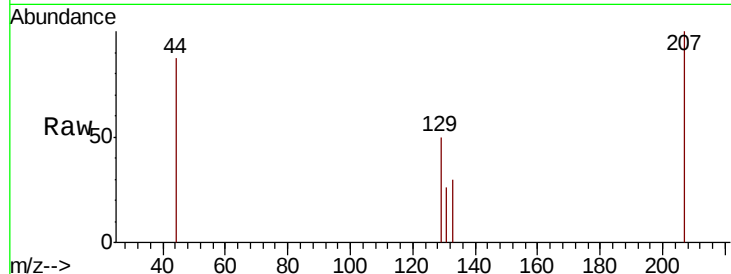




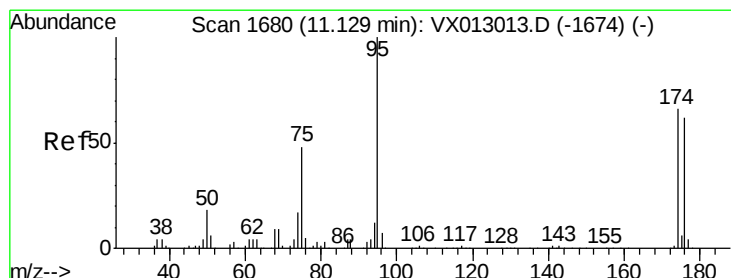
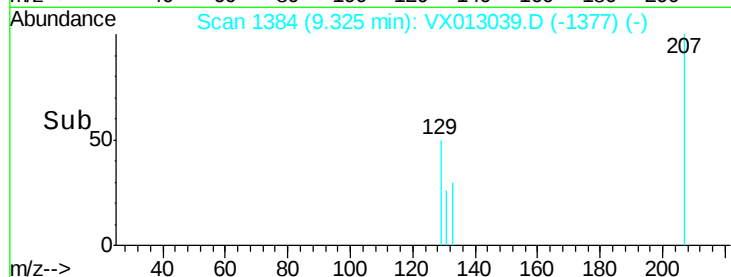
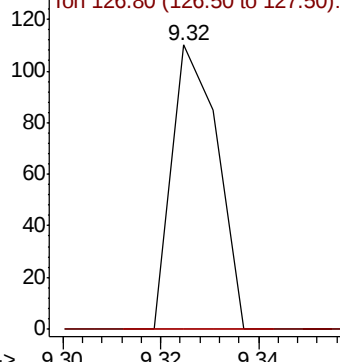
#60
Dibromochloromethane
Concen: 1.888 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. -0.26 min
Lab File: VX013039.D
Acq: 14 Oct 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBL01

Tot Ion:129 Resp: 71
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#

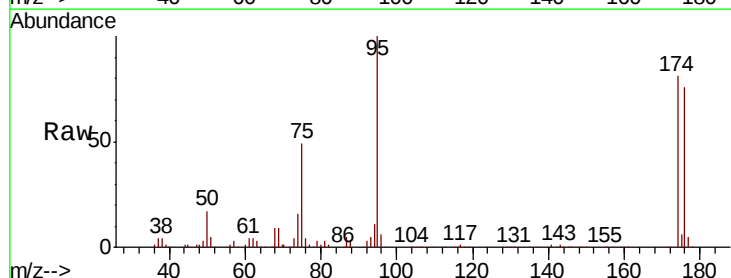


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

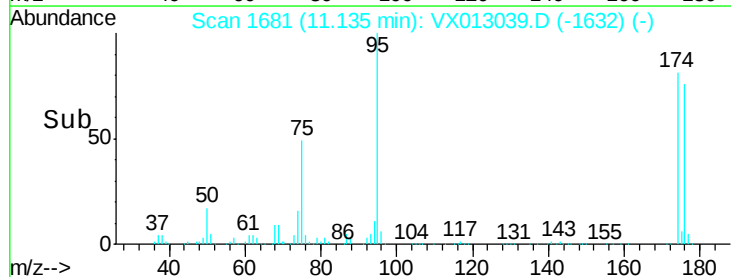
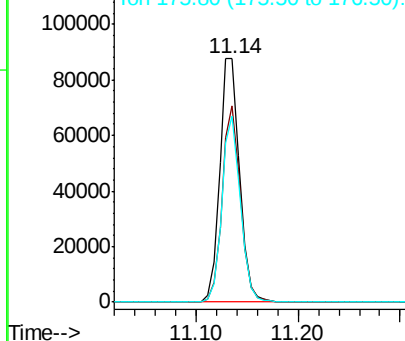


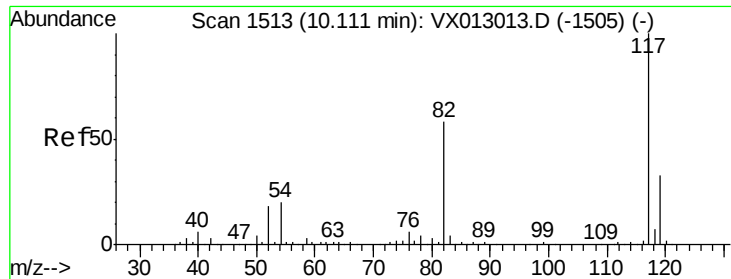
#62
4-Bromofluorobenzene
Concen: 45.181 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013039.D
Acq: 14 Oct 2019 10:16

Tgt Ion: 95 Resp: 119494
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.4
176 70.6 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

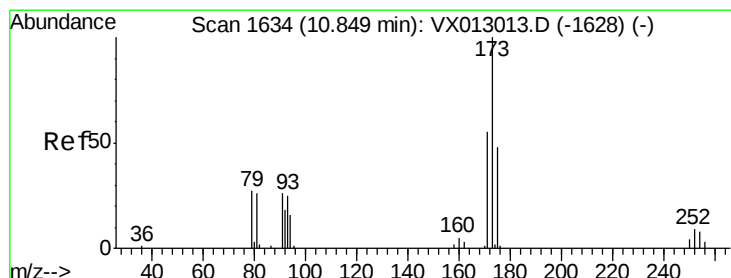
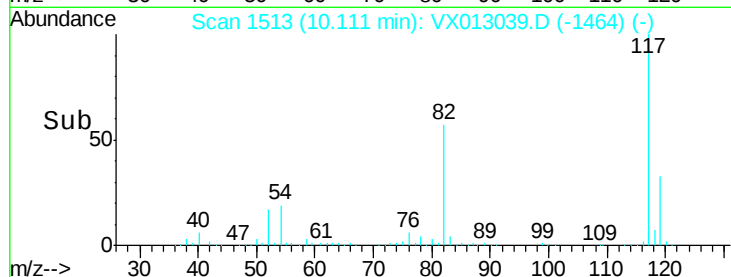
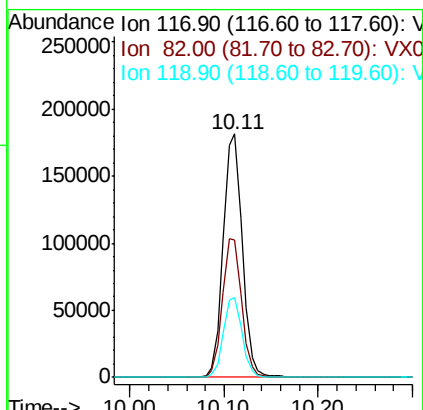
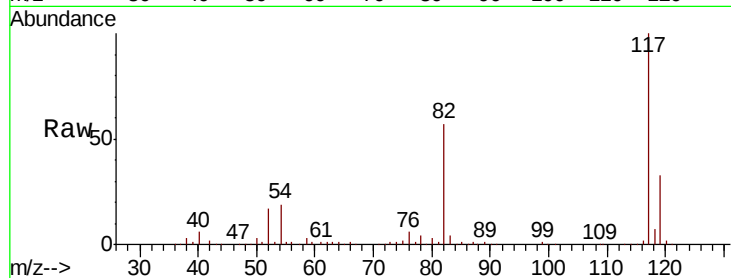




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013039.D
Acq: 14 Oct 2019 10:16

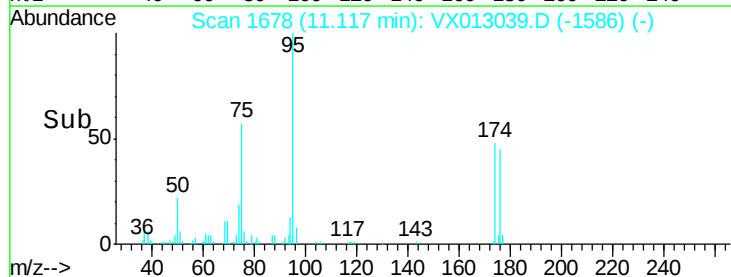
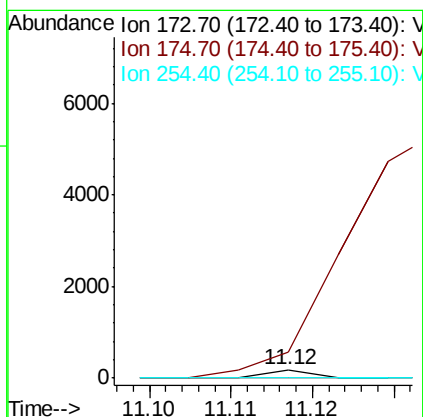
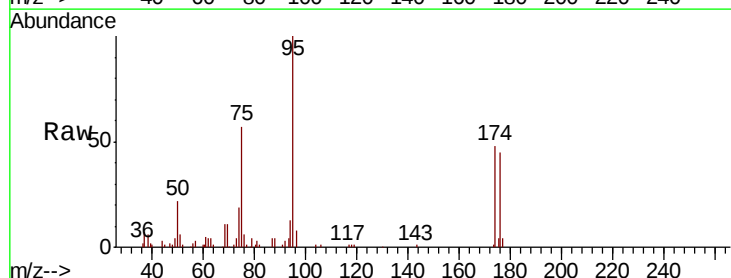
Instrument :
MSVOA_X
ClientSampleId :
VX1014WBL01

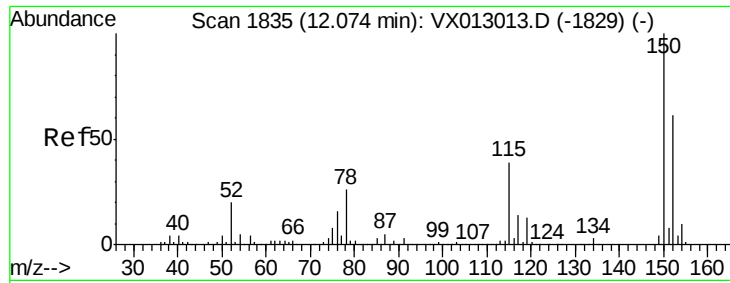
Tot Ion:117 Resp: 255429
Ion Ratio Lower Upper
117 100
82 56.5 44.1 66.1
119 32.6 25.8 38.8



#71
Bromoform
Concen: 3.175 ug/l
RT: 11.12 min Scan# 1678
Delta R.T. 0.26 min
Lab File: VX013039.D
Acq: 14 Oct 2019 10:16

Tgt Ion:173 Resp: 68
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013039.D

Acq: 14 Oct 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBL01

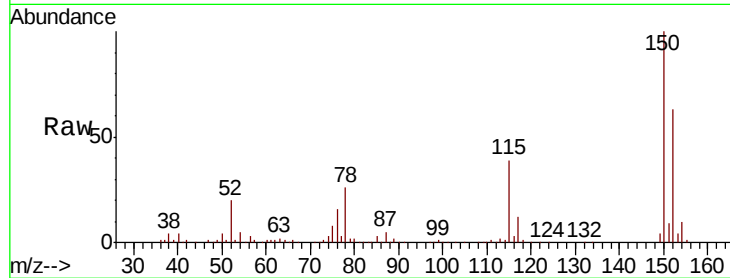
Tot Ion:152 Resp: 103203

Ion Ratio Lower Upper

152 100

115 63.2 44.5 133.5

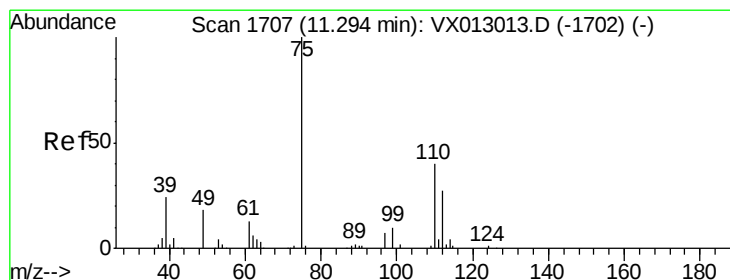
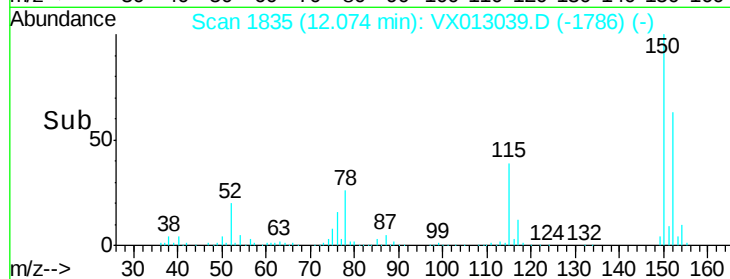
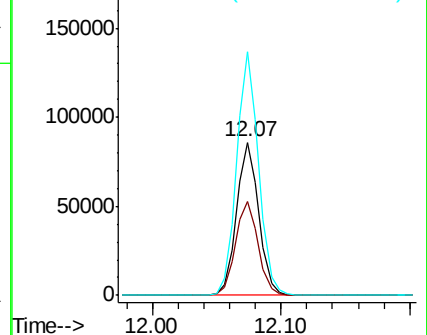
150 157.4 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.703 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013039.D

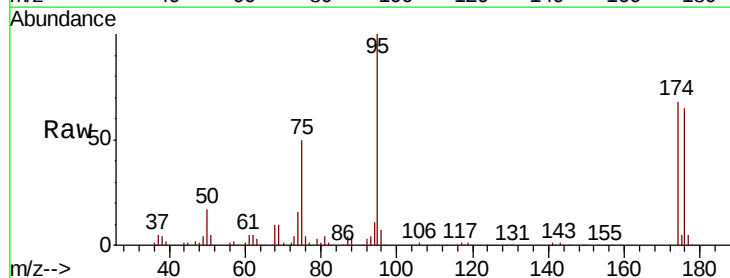
Acq: 14 Oct 2019 10:16

Tgt Ion: 75 Resp: 58836

Ion Ratio Lower Upper

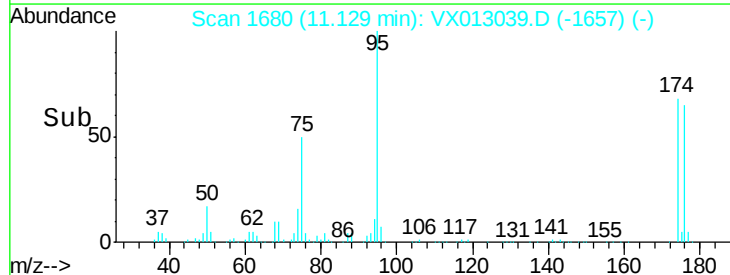
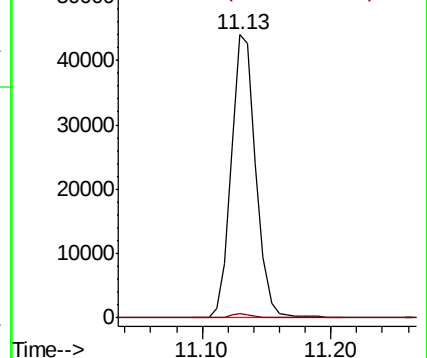
75 100

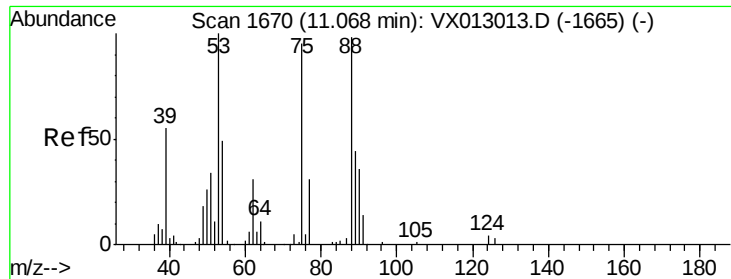
77 1.2 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.781 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013039.D

Acq: 14 Oct 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBL01

Tot Ion: 75 Resp: 58836

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

