

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041819\
 Data File : VX009043.D
 Acq On : 18 Apr 2019 14:58
 Operator : JC/SP
 Sample : K2449-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW303-190415

Quant Time: Apr 19 01:37:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	238633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387157	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	328087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135477	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	161924	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
35) Dibromofluoromethane	5.50	113	117650	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
50) Toluene-d8	8.71	98	478559	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	11.13	95	155277	44.39	ug/l	0.00
Spiked Amount			Recovery	=	88.78%	

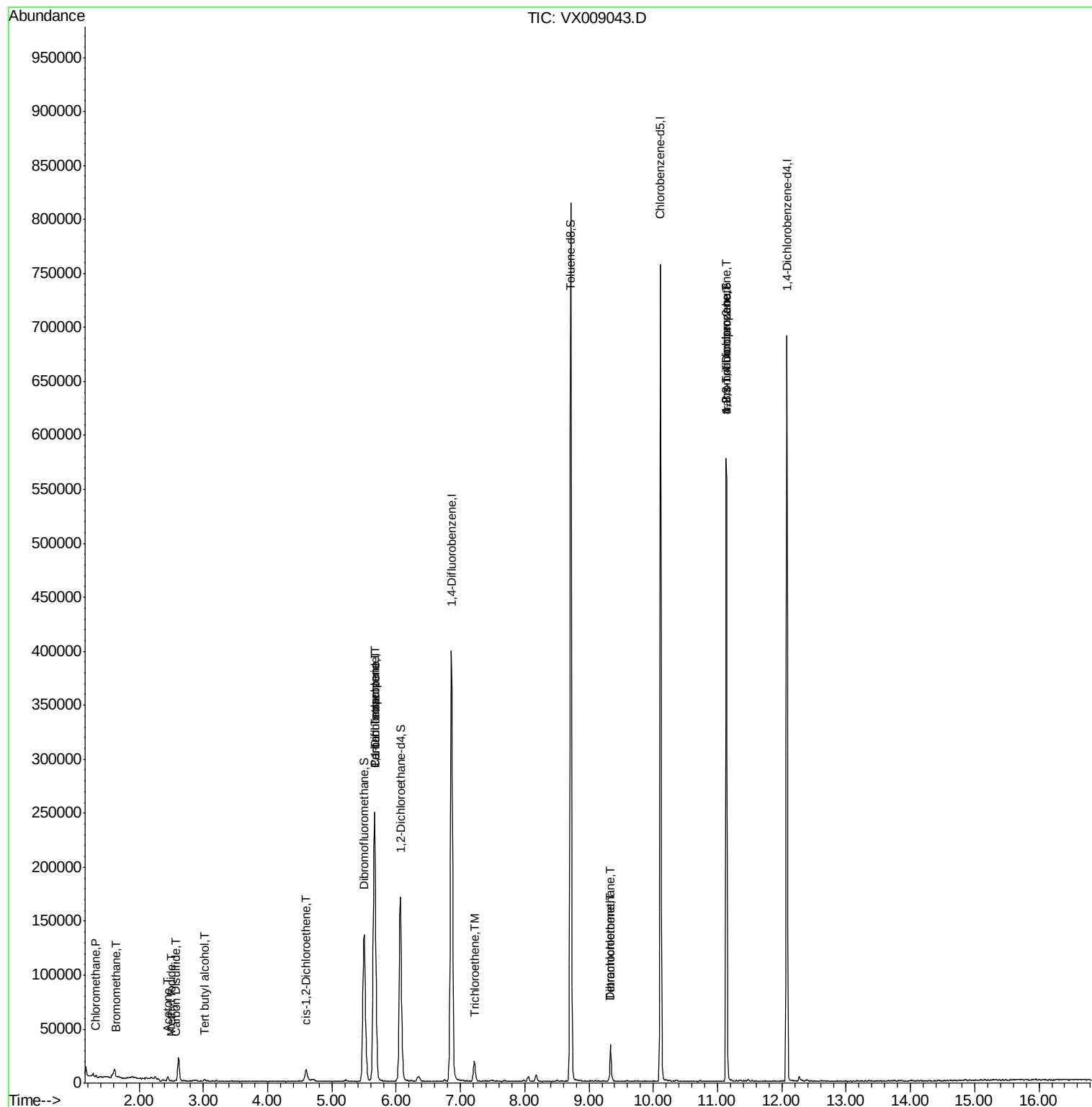
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2006	0.594	ug/l	99
5) Bromomethane	1.65	94	582	4.110	ug/l	85
10) Methyl Iodide	2.50	142	384	4.545	ug/l #	63
11) Tert butyl alcohol	3.03	59	1447	1.938	ug/l #	80
16) Acetone	2.45	43	3708	2.126	ug/l	92
17) Carbon Disulfide	2.57	76	834	1.361	ug/l #	88
27) cis-1,2-Dichloroethene	4.59	96	6269	2.023	ug/l	92
28) Bromochloromethane	5.04	49	147	Below Cal	#	21
36) 1,1-Dichloropropene	5.66	75	19202	4.796	ug/l #	50
38) Carbon Tetrachloride	5.66	117	22761	6.705	ug/l #	18
44) Trichloroethene	7.21	130	6944	2.399	ug/l	93
60) Dibromochloromethane	9.34	129	6212	2.310	ug/l #	10
64) Tetrachloroethene	9.34	164	6375	2.558	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	79023	23.888	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	79023	61.327	ug/l #	10

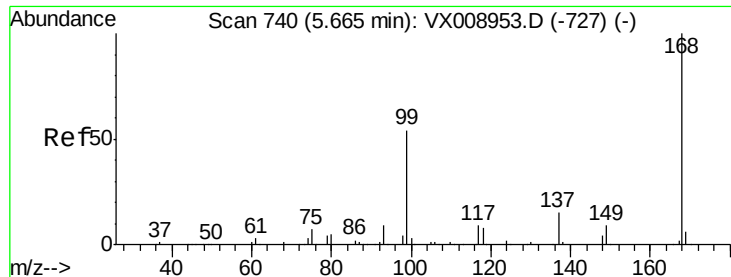
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009043.D

Acq: 18 Apr 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

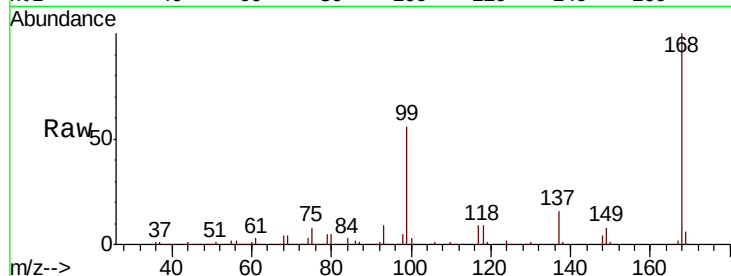
SS040MW303-190415

Tot Ion:168 Resp: 238633

Ion Ratio Lower Upper

168 100

99 56.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

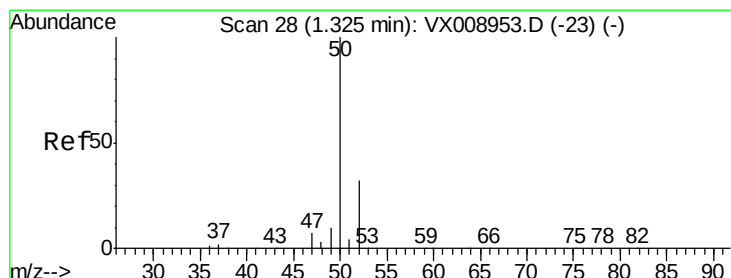
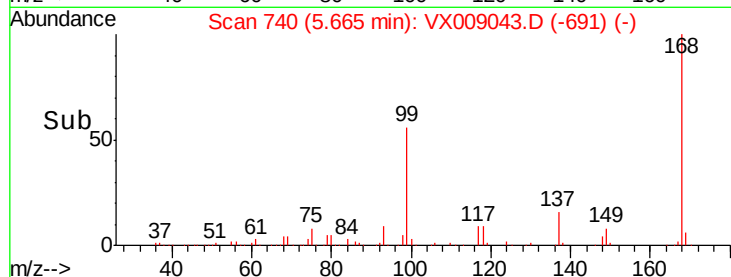
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.594 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009043.D

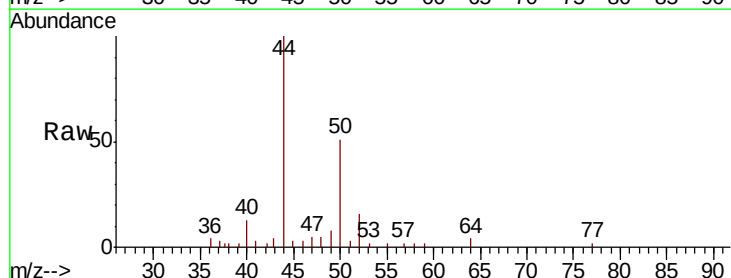
Acq: 18 Apr 2019 14:58

Tgt Ion: 50 Resp: 2006

Ion Ratio Lower Upper

50 100

52 31.5 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1500

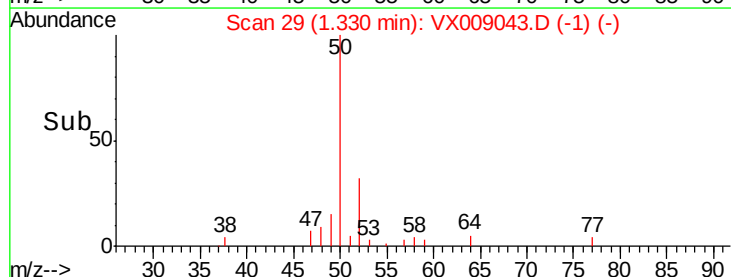
1000

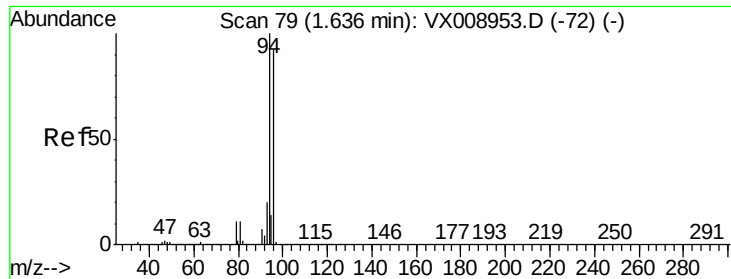
500

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 4.110 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009043.D

Acq: 18 Apr 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

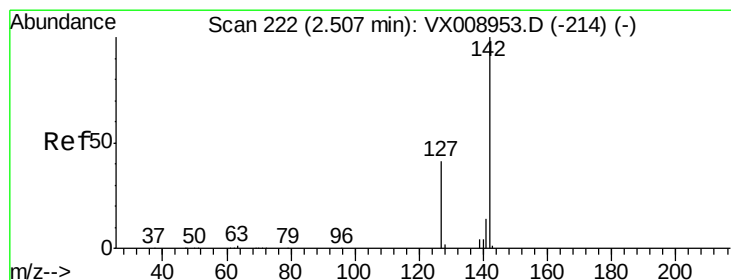
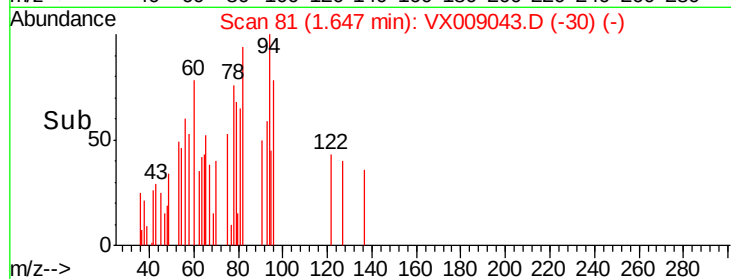
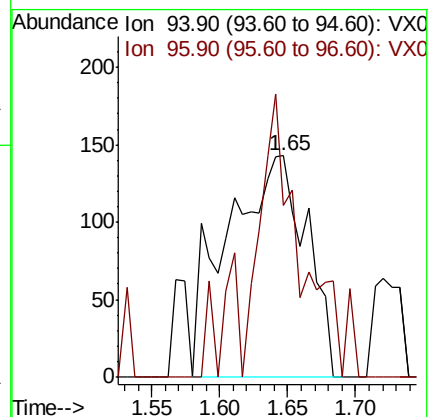
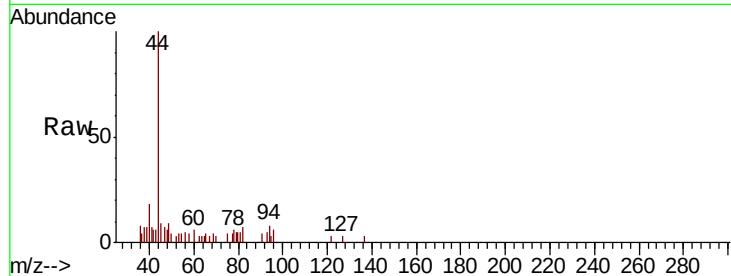
SS040MW303-190415

Tot Ion: 94 Resp: 582

Ion Ratio Lower Upper

94 100

96 77.6 73.9 110.9



#10

Methyl Iodide

Concen: 4.545 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.01 min

Lab File: VX009043.D

Acq: 18 Apr 2019 14:58

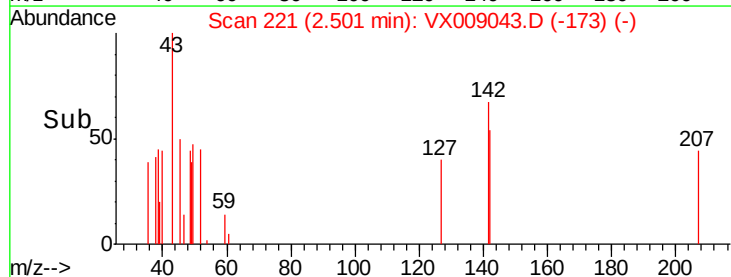
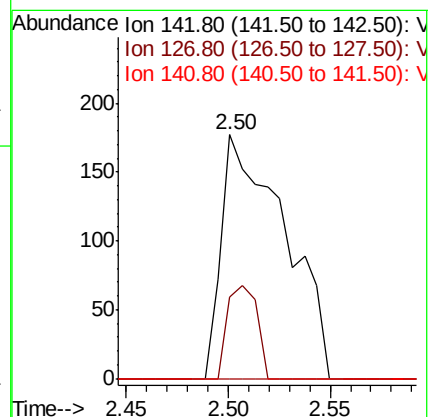
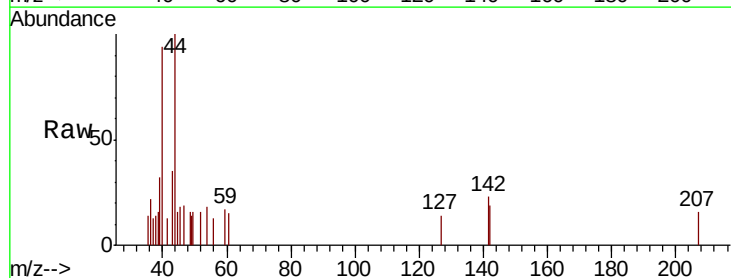
Tgt Ion: 142 Resp: 384

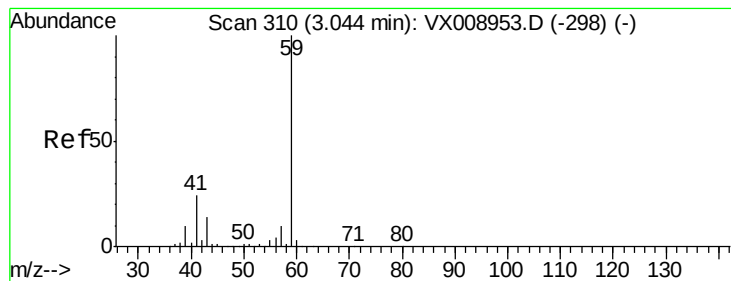
Ion Ratio Lower Upper

142 100

127 17.4 32.8 49.2#

141 0.0 11.4 17.2#



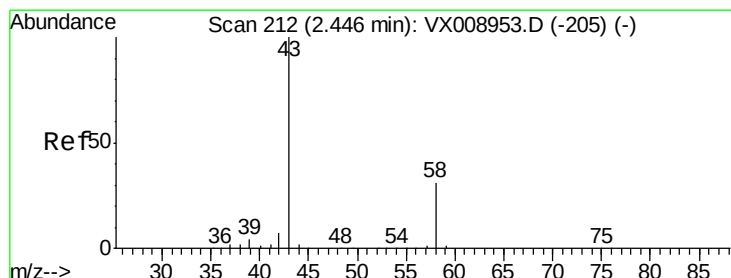
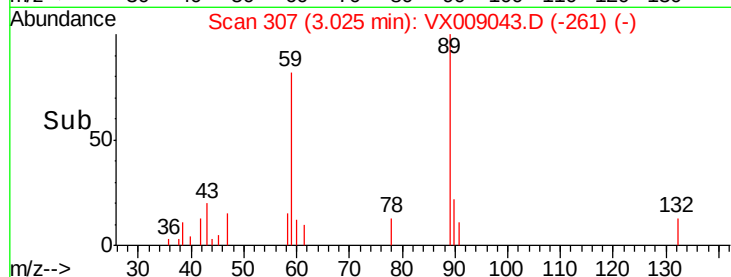
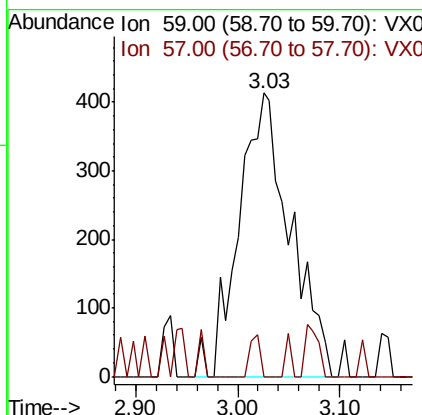
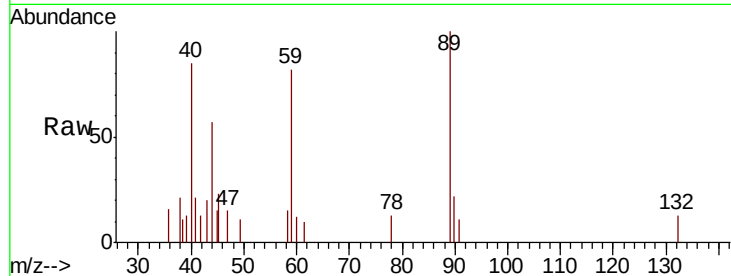


#11

Tert butyl alcohol
 Concen: 1.938 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX009043.D
 Acq: 18 Apr 2019 14:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW303-190415

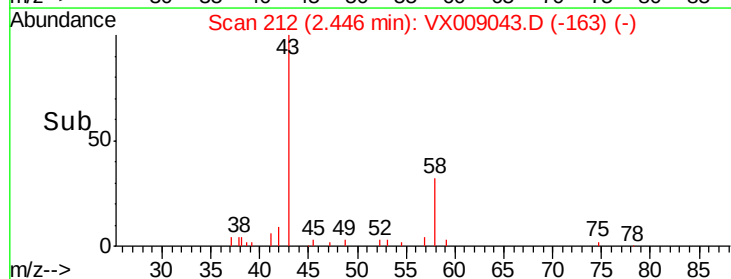
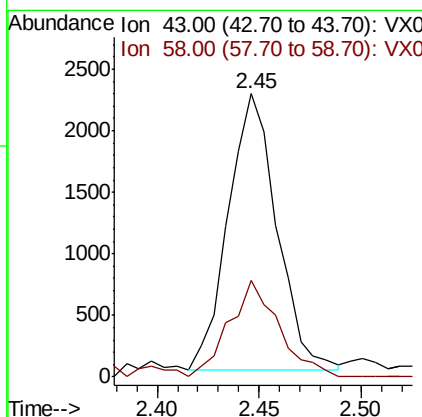
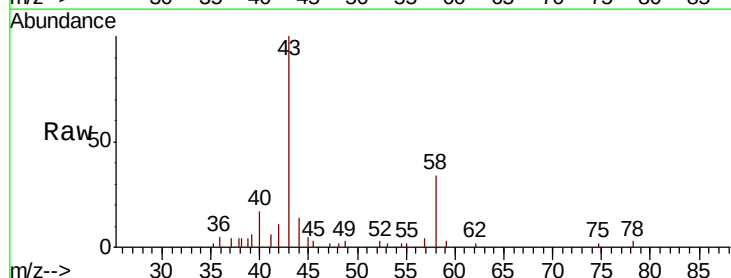
Tot Ion: 59 Resp: 1447
 Ion Ratio Lower Upper
 59 100
 57 2.8 8.4 12.6#

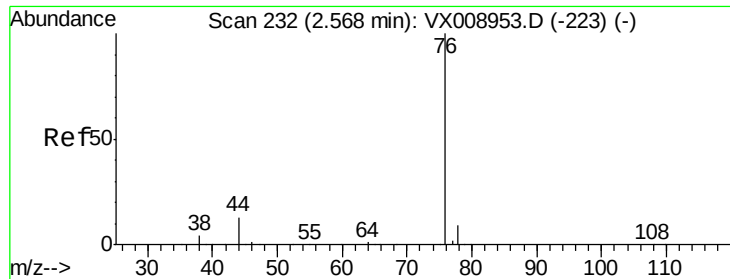


#16

Acetone
 Concen: 2.126 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX009043.D
 Acq: 18 Apr 2019 14:58

Tgt Ion: 43 Resp: 3708
 Ion Ratio Lower Upper
 43 100
 58 35.2 24.8 37.2





#17

Carbon Disulfide

Concen: 1.361 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009043.D

Acq: 18 Apr 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

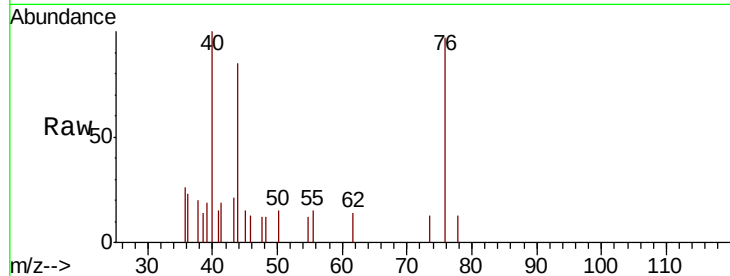
SS040MW303-190415

Tot Ion: 76 Resp: 834

Ion Ratio Lower Upper

76 100

78 13.4 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

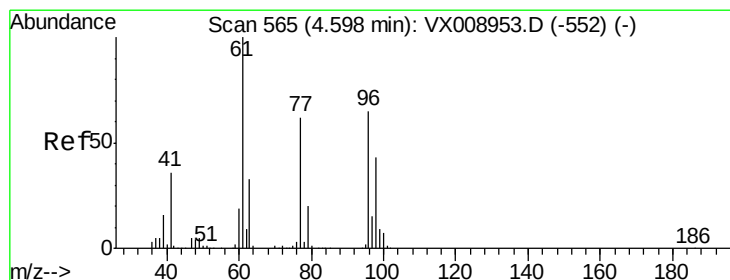
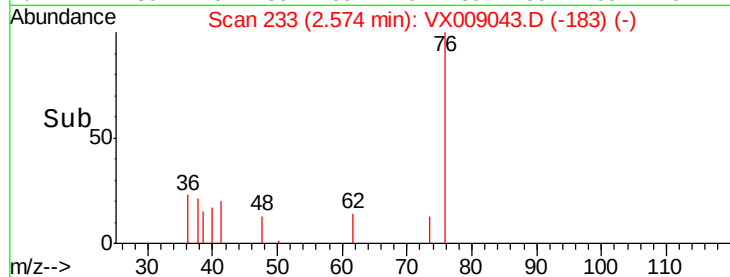
300

200

100

0

Time--> 2.50 2.55 2.60



#27

cis-1,2-Dichloroethene

Concen: 2.023 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX009043.D

Acq: 18 Apr 2019 14:58

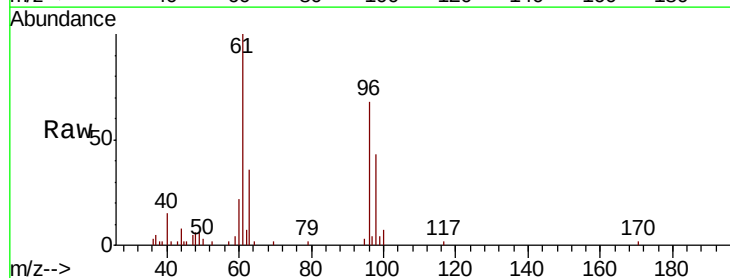
Tgt Ion: 96 Resp: 6269

Ion Ratio Lower Upper

96 100

61 148.2 0.0 322.0

98 67.7 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

4000

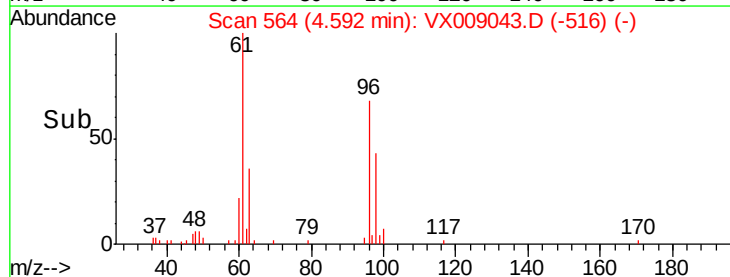
3000

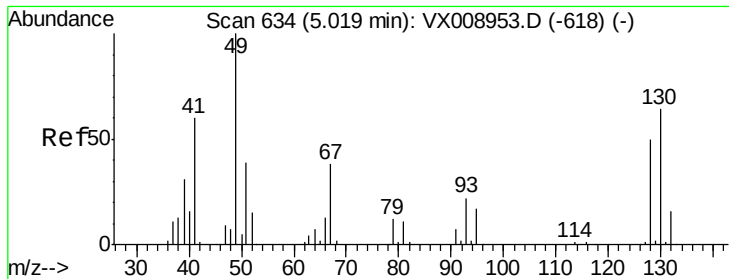
2000

1000

0

Time--> 4.50 4.55 4.60 4.65 4.70





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

Delta R.T. 0.02 min

Lab File: VX009043.D

Acq: 18 Apr 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

SS040MW303-190415

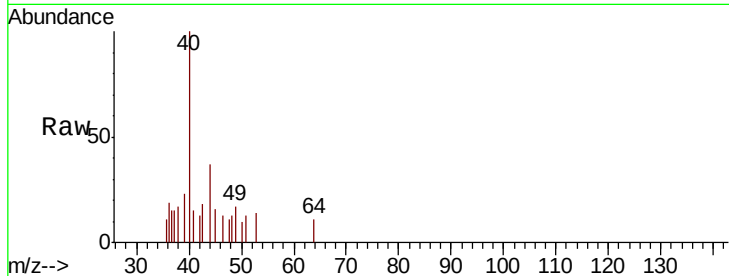
Tot Ion: 49 Resp: 147

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

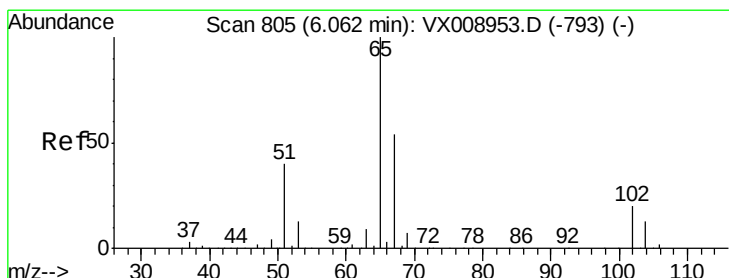
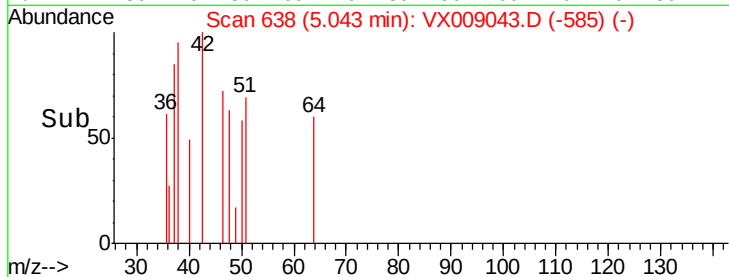
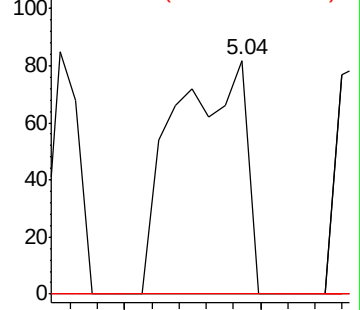
130 0.0 50.4 75.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 48.148 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009043.D

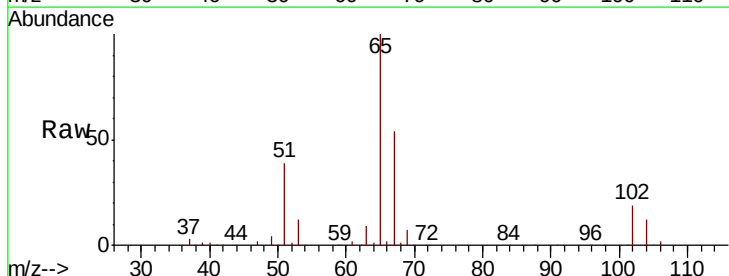
Acq: 18 Apr 2019 14:58

Tgt Ion: 65 Resp: 161924

Ion Ratio Lower Upper

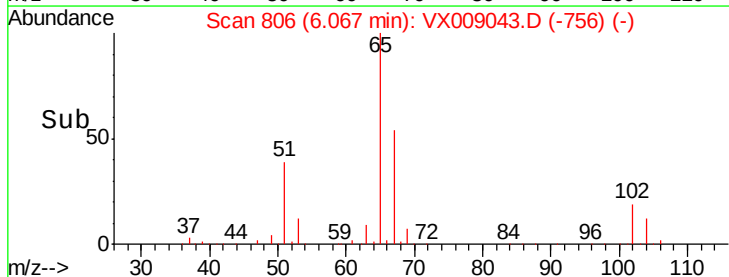
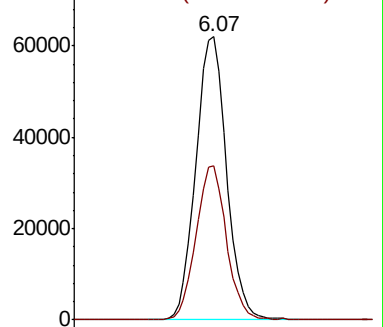
65 100

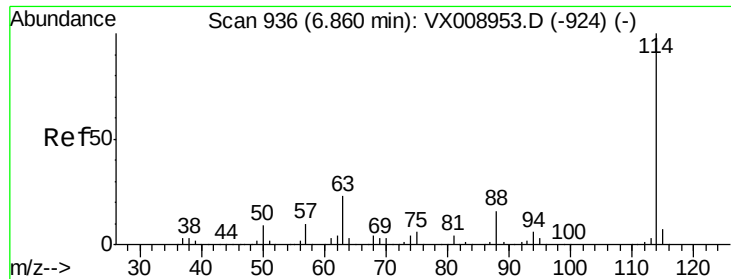
67 53.8 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

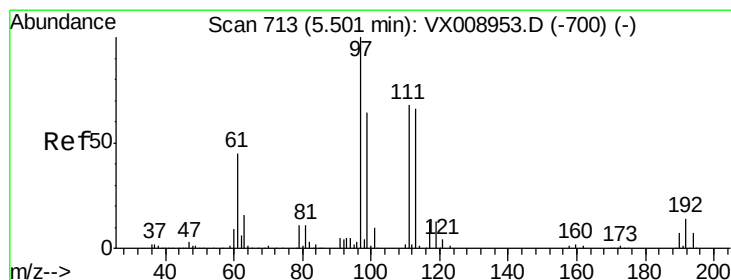
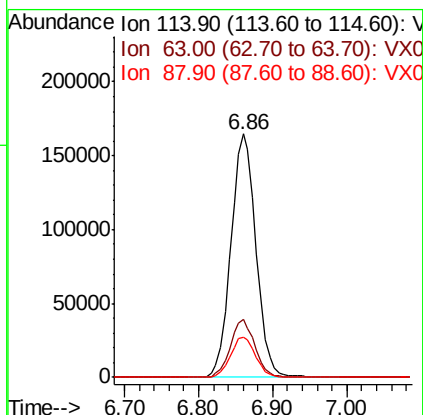
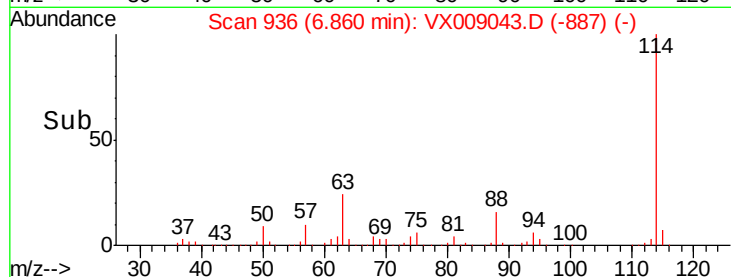
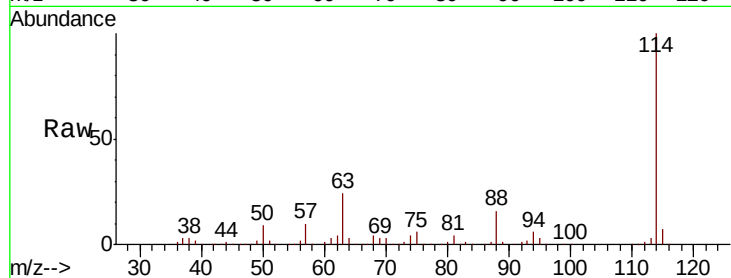




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX009043.D
Acq: 18 Apr 2019 14:58

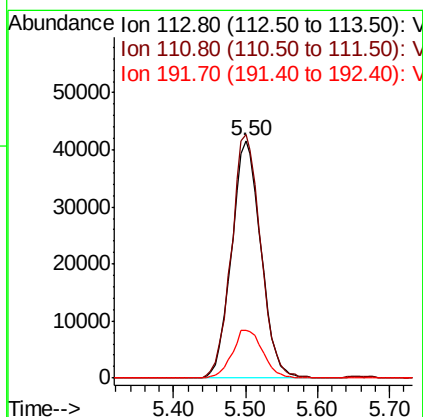
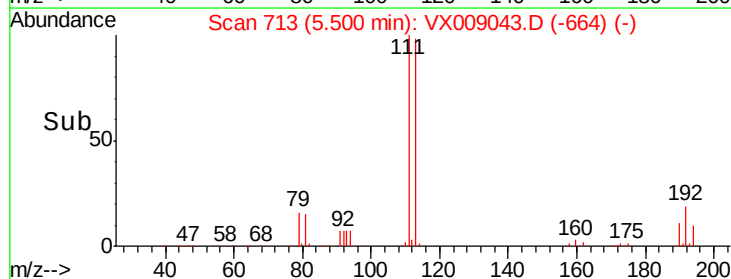
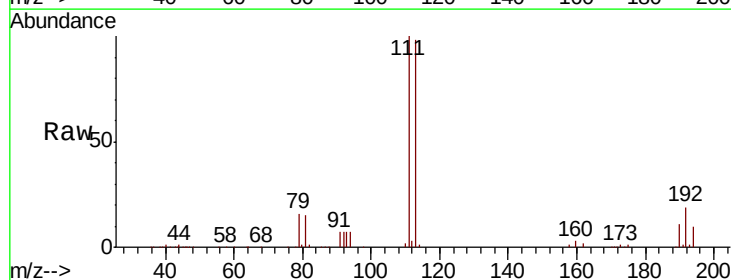
Instrument :
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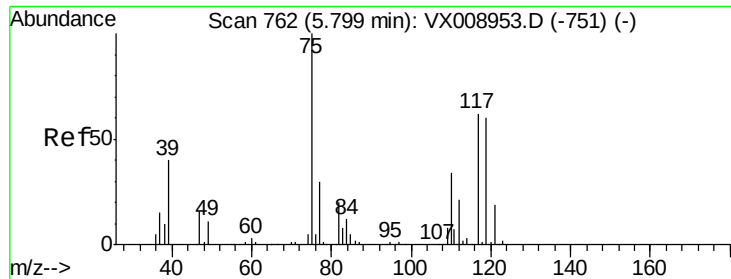
Tot Ion:114 Resp: 387157
Ion Ratio Lower Upper
114 100
63 23.6 0.0 46.0
88 16.3 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.350 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX009043.D
Acq: 18 Apr 2019 14:58

Tgt Ion:113 Resp: 117650
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 21.0 17.4 26.0

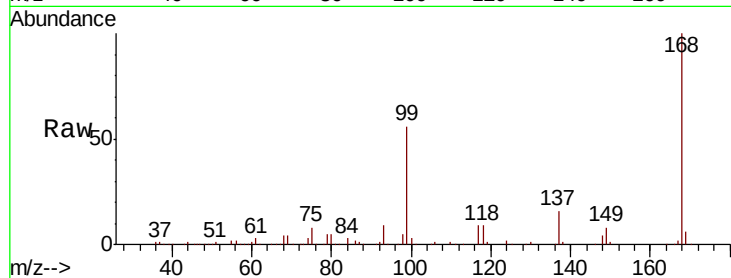




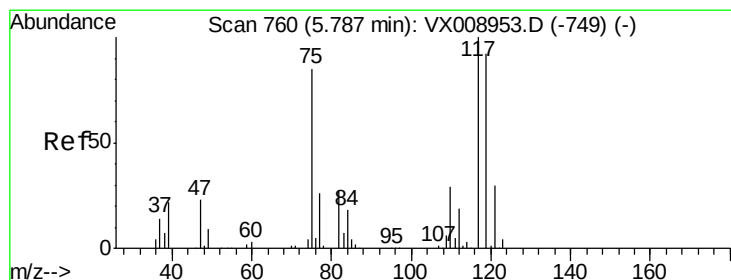
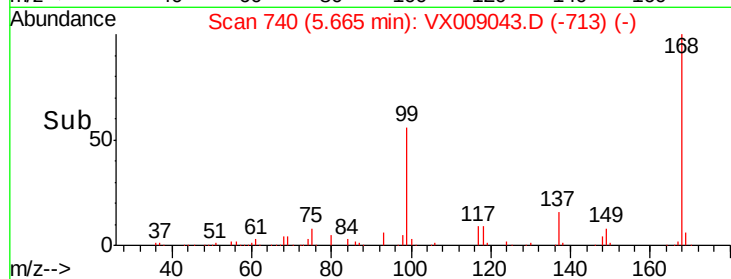
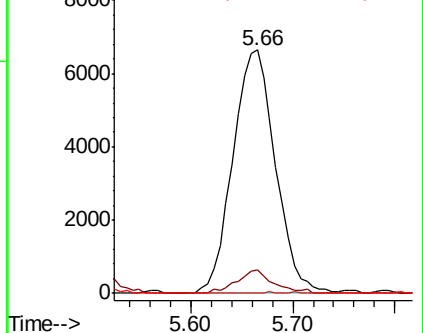
#36
 1,1-Dichloropropene
 Concen: 4.796 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009043.D
 Acq: 18 Apr 2019 14:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW303-190415

Tot Ion	75	Resp	19202
Ion Ratio	Lower	Upper	
75	100		
110	8.2	16.9	50.7#
77	0.1	25.0	37.4#

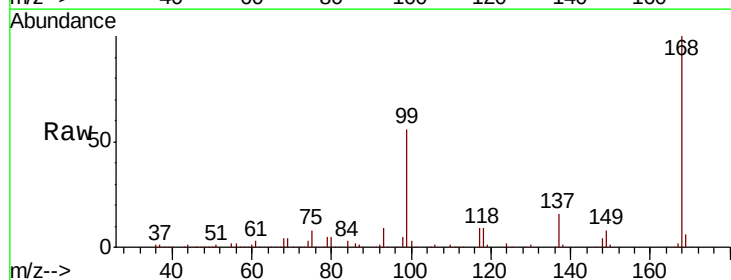


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

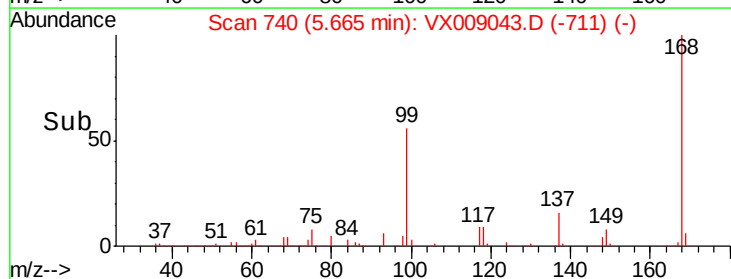
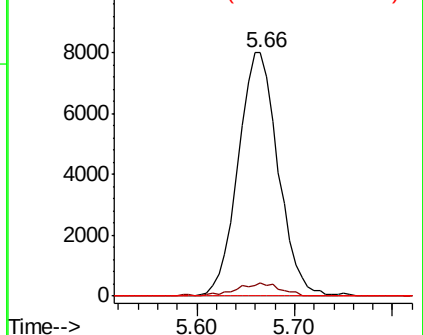


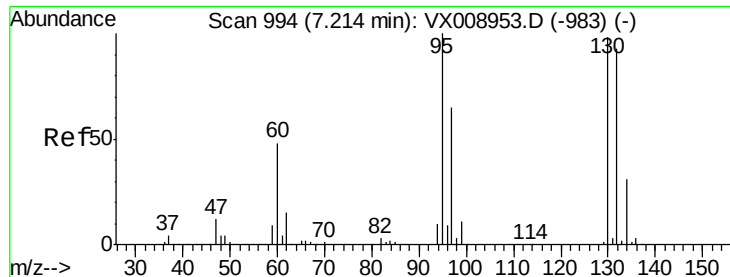
#38
 Carbon Tetrachloride
 Concen: 6.705 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009043.D
 Acq: 18 Apr 2019 14:58

Tgt Ion	117	Resp	22761
Ion Ratio	Lower	Upper	
117	100		
119	5.4	73.8	110.8#
121	0.0	23.6	35.4#



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





#44

Trichloroethene

Concen: 2.399 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009043.D

Acq: 18 Apr 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

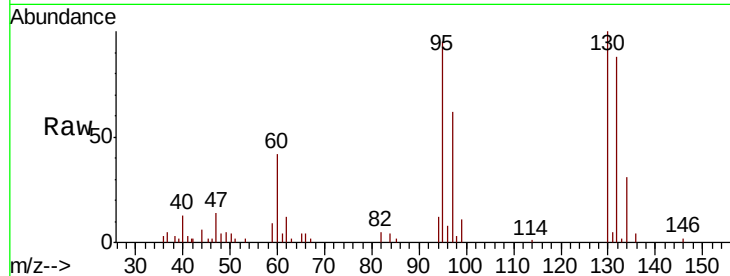
SS040MW303-190415

Tot Ion:130 Resp: 6944

Ion Ratio Lower Upper

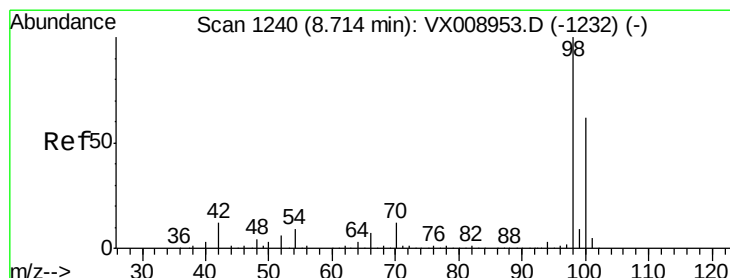
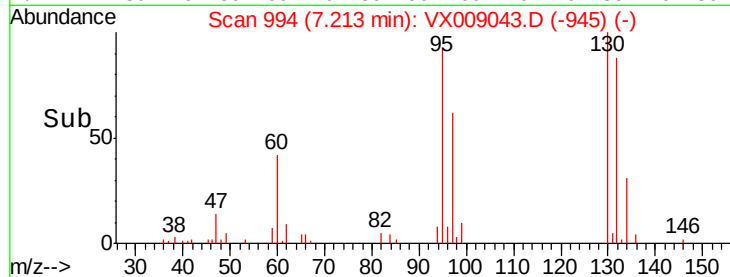
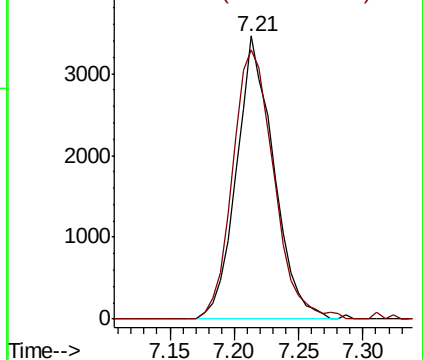
130 100

95 95.0 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.295 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009043.D

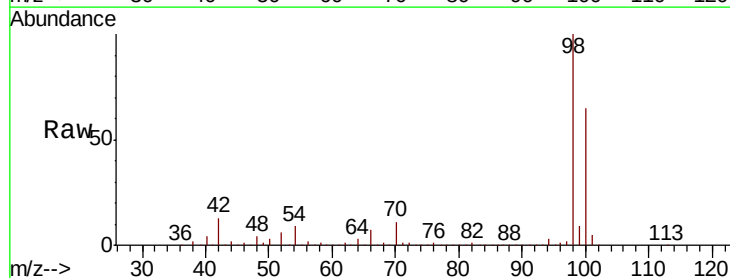
Acq: 18 Apr 2019 14:58

Tgt Ion: 98 Resp: 478559

Ion Ratio Lower Upper

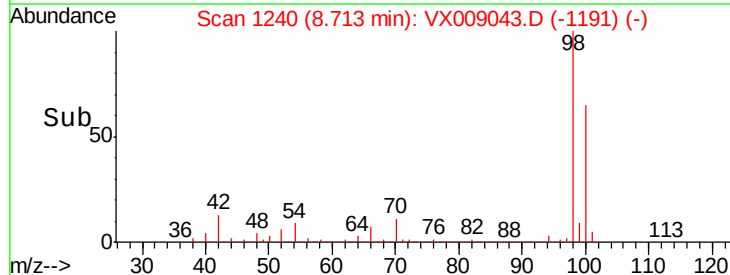
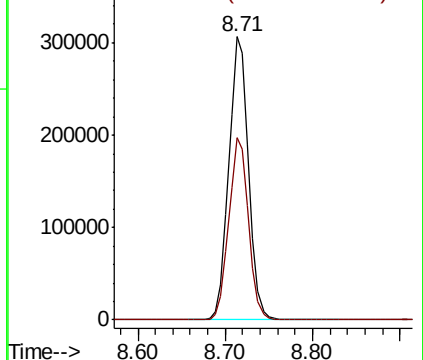
98 100

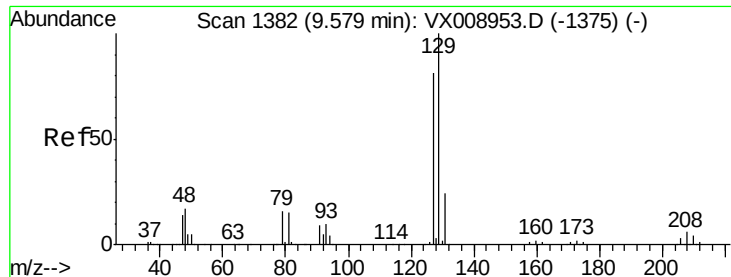
100 64.4 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.310 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009043.D

Acq: 18 Apr 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

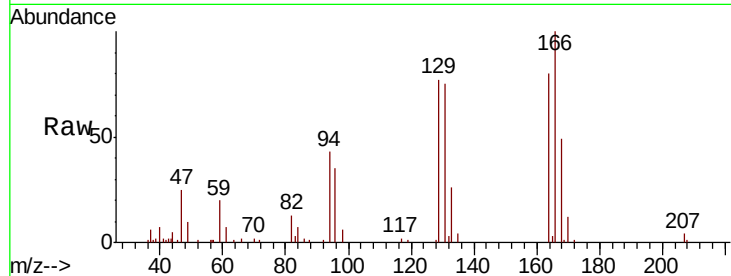
SS040MW303-190415

Tot Ion:129 Resp: 6212

Ion Ratio Lower Upper

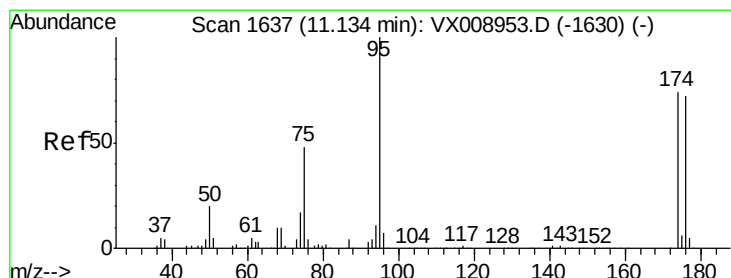
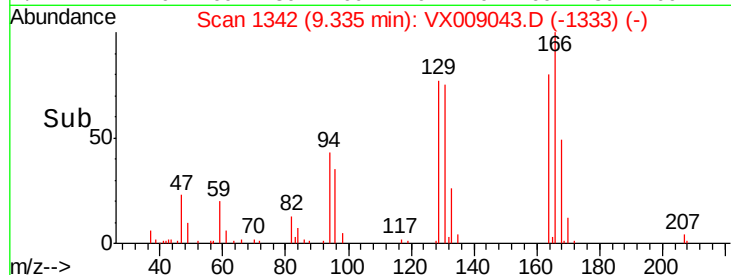
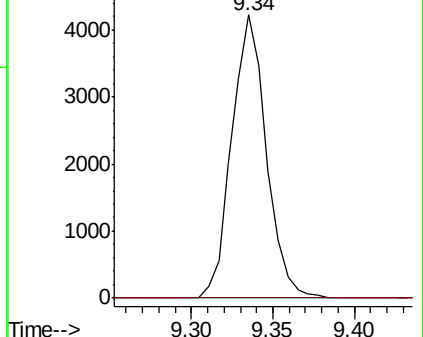
129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.391 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009043.D

Acq: 18 Apr 2019 14:58

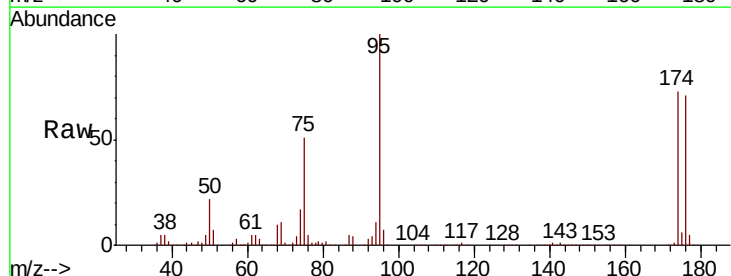
Tgt Ion: 95 Resp: 155277

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.6

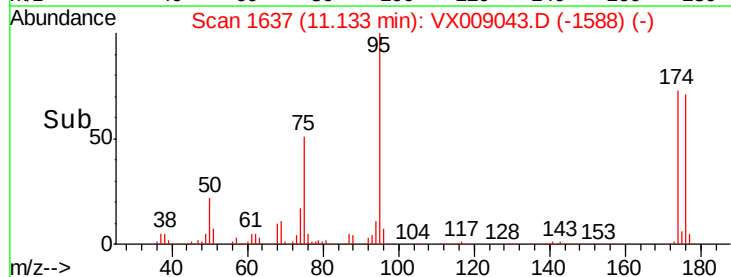
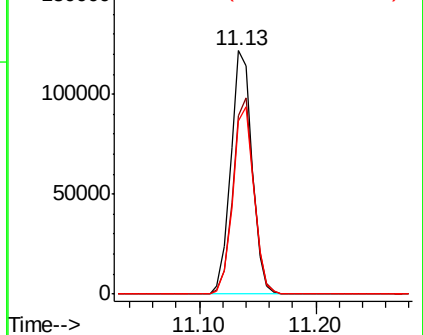
176 76.3 0.0 154.8

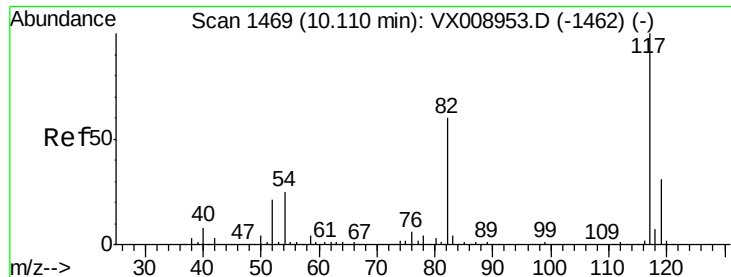


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

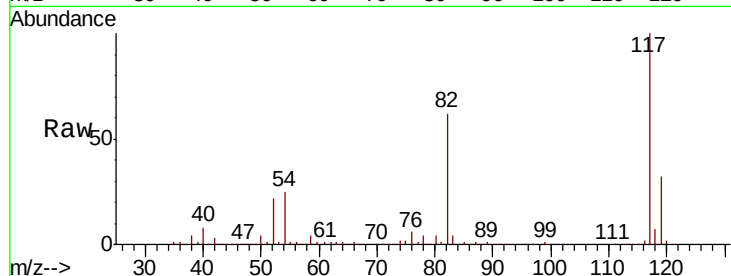




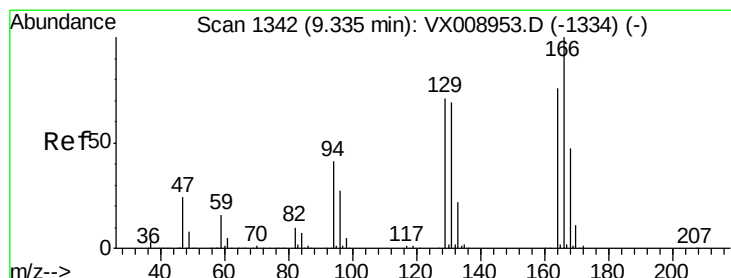
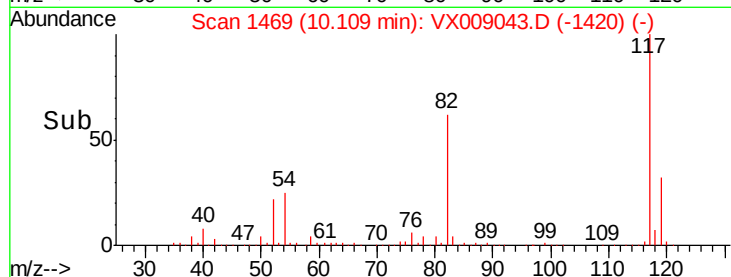
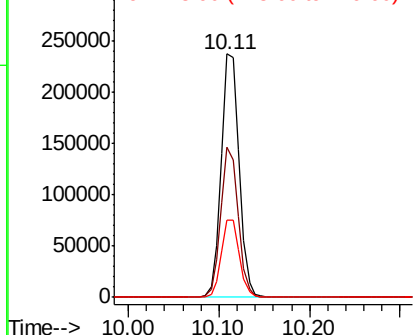
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009043.D
Acq: 18 Apr 2019 14:58

Instrument :
MSVOA_X
ClientSampleId :
SS040MW303-190415

Tot Ion:117 Resp: 328087
Ion Ratio Lower Upper
117 100
82 61.9 48.2 72.4
119 31.8 25.0 37.6



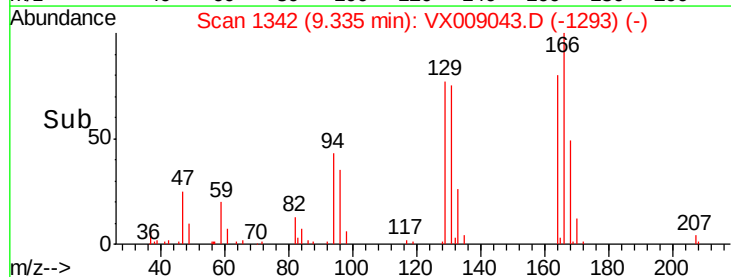
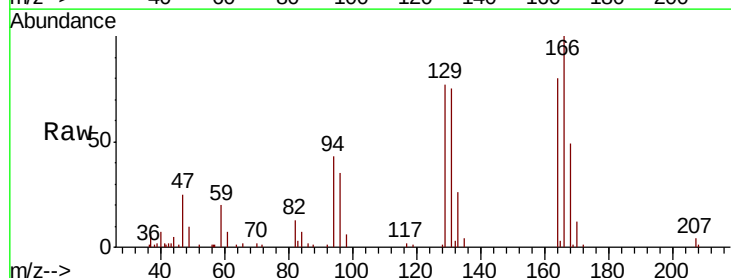
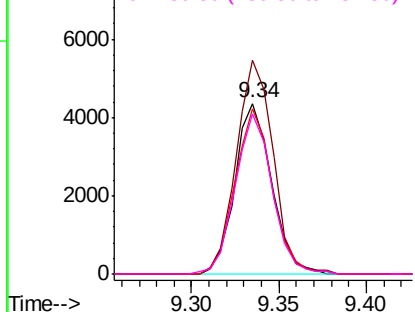
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

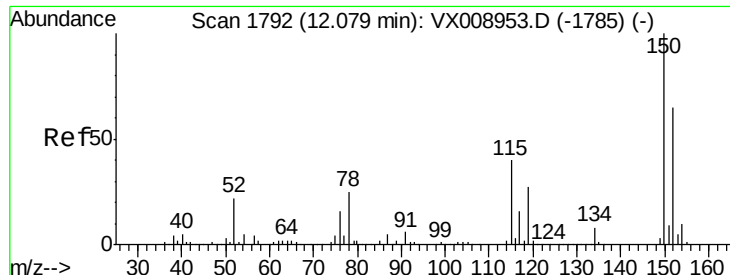


#64
Tetrachloroethene
Concen: 2.558 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009043.D
Acq: 18 Apr 2019 14:58

Tgt Ion:164 Resp: 6375
Ion Ratio Lower Upper
164 100
166 125.1 105.0 157.4
129 96.6 74.2 111.4
131 93.7 72.2 108.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



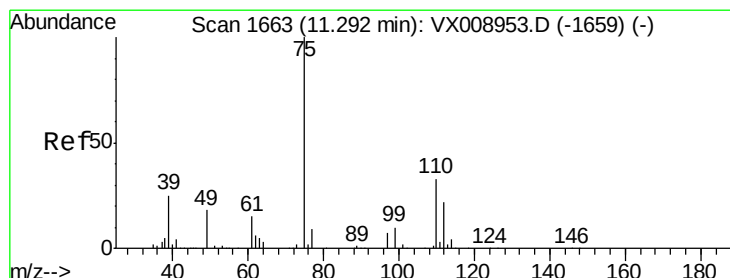
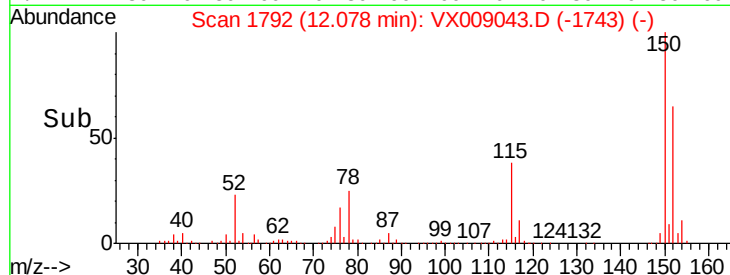
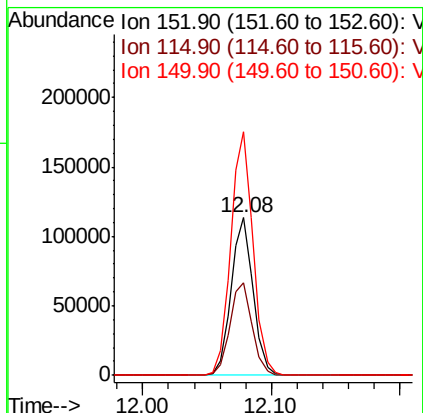
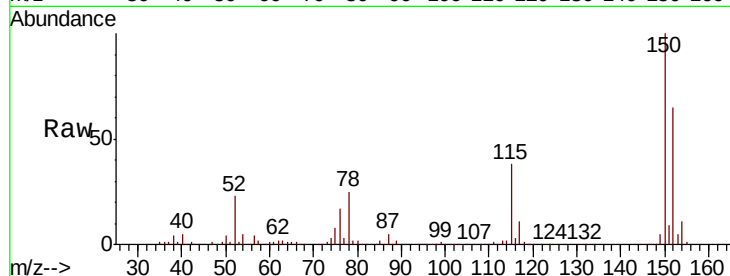


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009043.D
Acq: 18 Apr 2019 14:58

Instrument :
MSVOA_X
ClientSampleId :
SS040MW303-190415

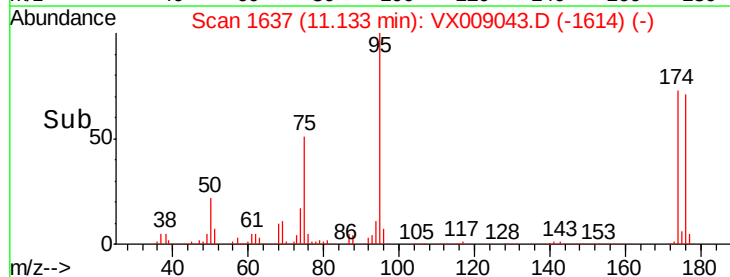
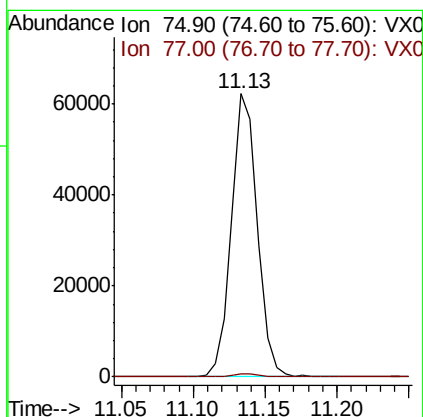
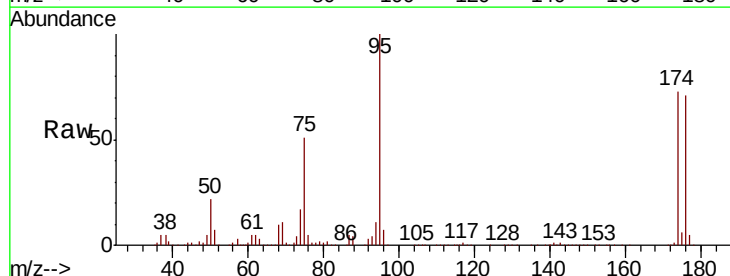
Tot Ion:152 Resp: 135477
Ion Ratio Lower Upper
152 100
115 59.9 41.4 124.2
150 156.2 0.0 349.8

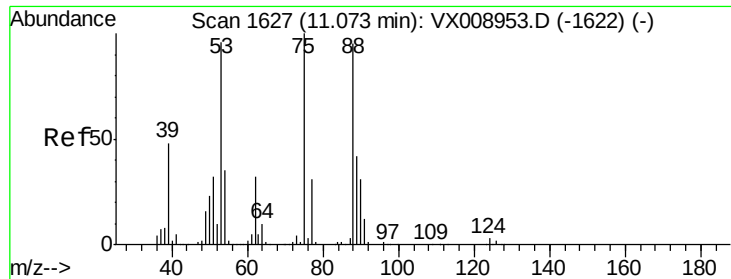


#76

1,2,3-Trichloropropane
Concen: 23.888 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009043.D
Acq: 18 Apr 2019 14:58

Tgt Ion: 75 Resp: 79023
Ion Ratio Lower Upper
75 100
77 1.4 22.7 68.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 61.327 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009043.D

Acq: 18 Apr 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

SS040MW303-190415

Tot Ion: 75 Resp: 79023

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.0 36.0 54.0#

