

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041819\
 Data File : VX009049.D
 Acq On : 18 Apr 2019 17:18
 Operator : JC/SP
 Sample : K2449-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW301-190416

Quant Time: Apr 19 01:39:10 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	5.67	168	235343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382369	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134870	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	159595	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
35) Dibromofluoromethane	5.50	113	116568	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
50) Toluene-d8	8.71	98	468787	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.13	95	152738	44.21	ug/l	0.00
Spiked Amount			Recovery	=	88.42%	

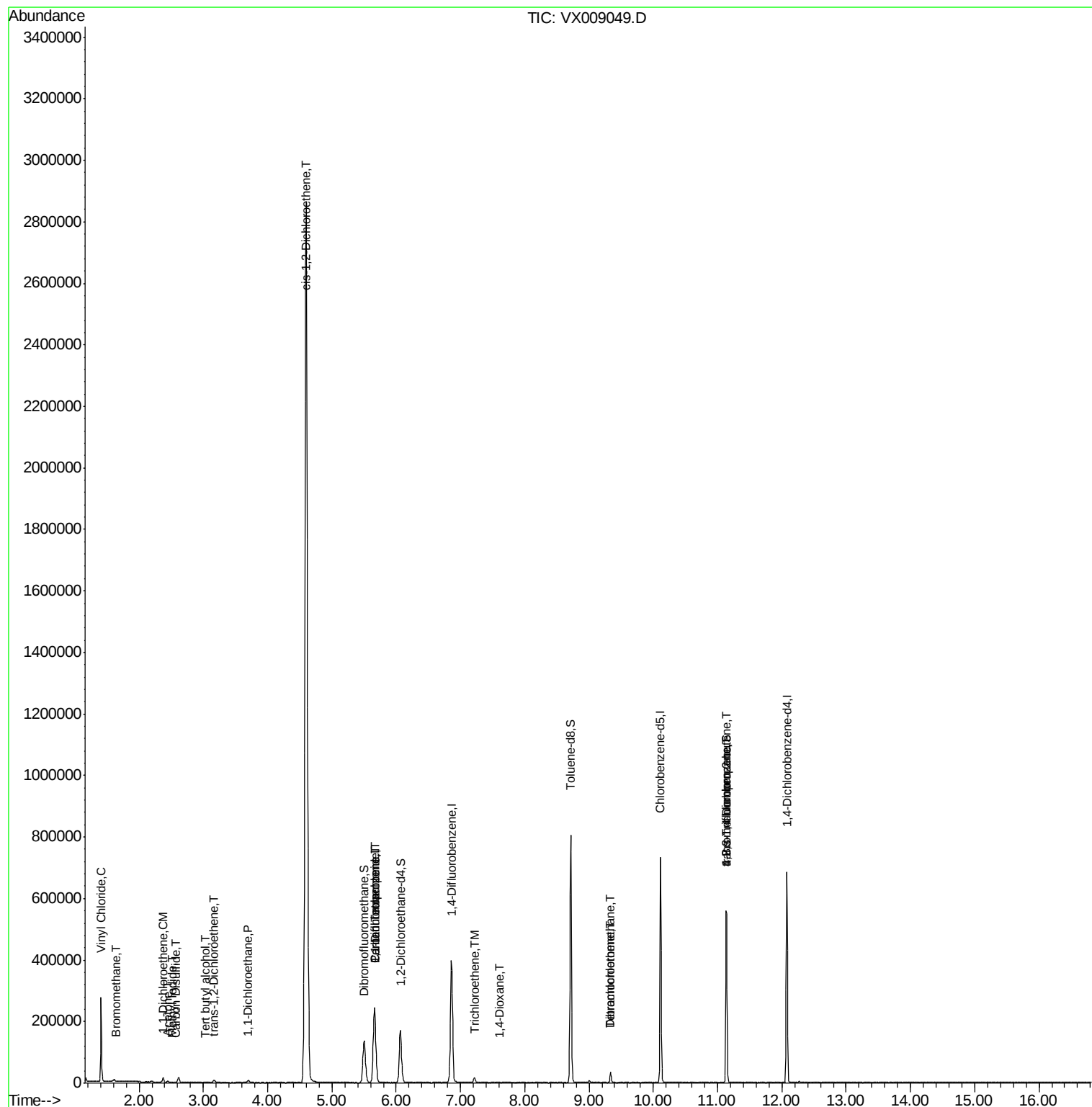
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	188087	58.069	ug/l	99
5) Bromomethane	1.64	94	392	4.027	ug/l #	59
10) Methyl Iodide	2.52	142	72	4.439	ug/l #	40
11) Tert butyl alcohol	3.03	59	441	0.599	ug/l #	85
12) 1,1-Dichloroethene	2.37	96	4852	1.923	ug/l	90
16) Acetone	2.45	43	5762	3.350	ug/l	95
17) Carbon Disulfide	2.57	76	508	1.319	ug/l #	42
21) trans-1,2-Dichloroethene	3.17	96	2564	0.952	ug/l	99
24) 1,1-Dichloroethane	3.70	63	7581	1.411	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	1744765	570.872	ug/l	91
28) Bromochloromethane	4.99	49	23	Below Cal	#	21
36) 1,1-Dichloropropene	5.66	75	19080	4.825	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22682	6.766	ug/l #	18
44) Trichloroethene	7.21	130	5875	2.055	ug/l	96
49) 1,4-Dioxane	7.61	88	22	0.290	ug/l #	70
60) Dibromochloromethane	9.34	129	6288	2.368	ug/l #	10
64) Tetrachloroethene	9.34	164	6501	2.640	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	78920	23.964	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	78920	61.523	ug/l #	10

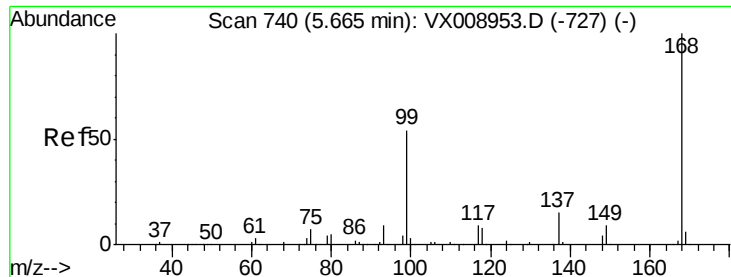
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041819\
Data File : VX009049.D
Acq On : 18 Apr 2019 17:18
Operator : JC/SP
Sample : K2449-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS037MW301-190416

Quant Time: Apr 19 01:39:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009049.D

Acq: 18 Apr 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

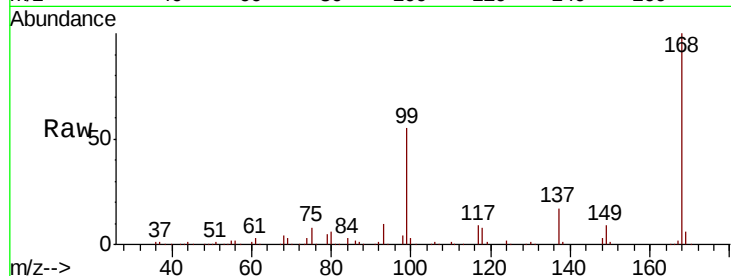
SS037MW301-190416

Tot Ion:168 Resp: 235343

Ion Ratio Lower Upper

168 100

99 55.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

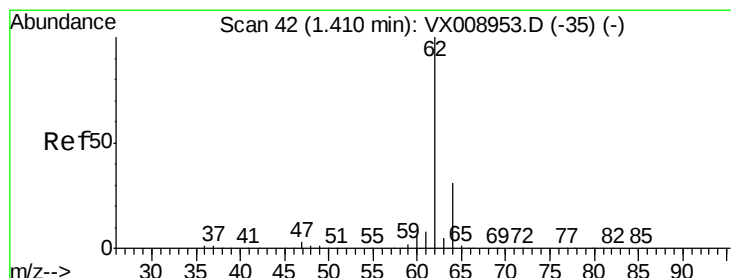
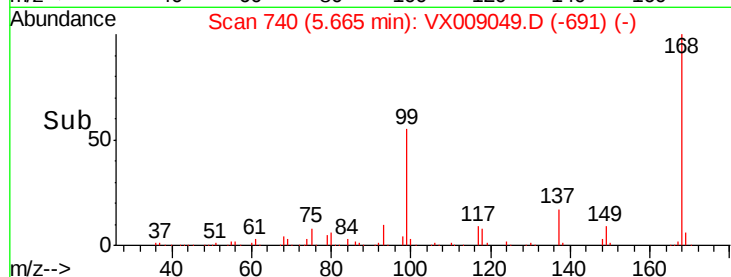
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 58.069 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009049.D

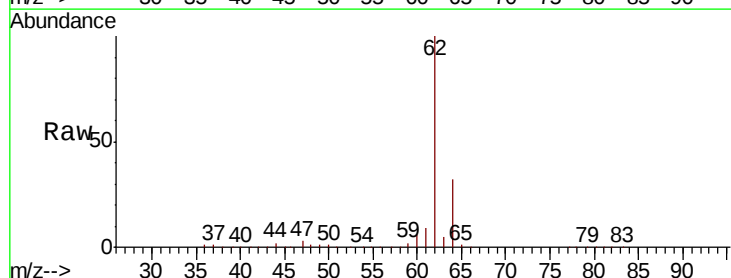
Acq: 18 Apr 2019 17:18

Tgt Ion: 62 Resp: 188087

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

200000

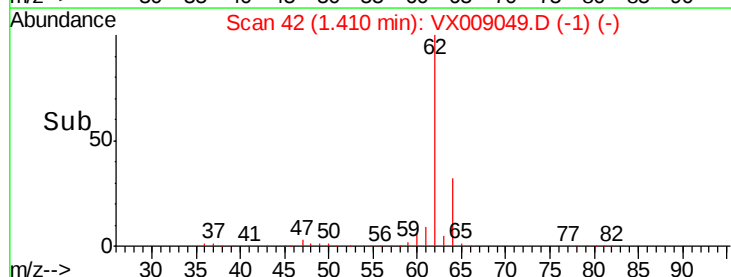
150000

100000

50000

0

Time--> 1.30 1.40 1.50 1.60





#5

Bromomethane

Concen: 4.027 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009049.D

Acq: 18 Apr 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

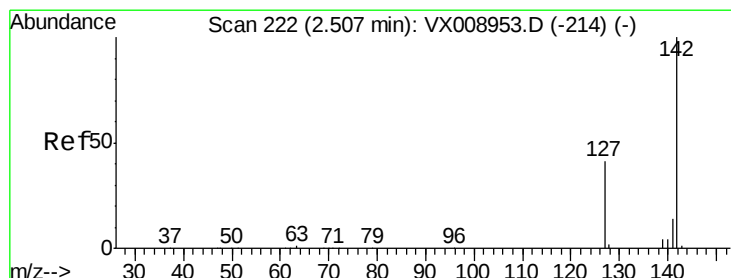
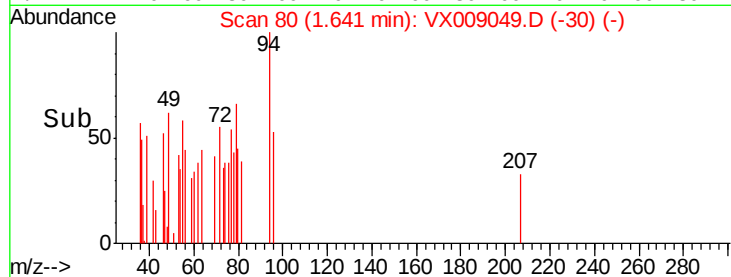
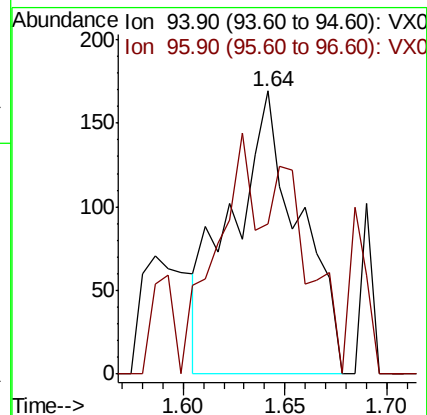
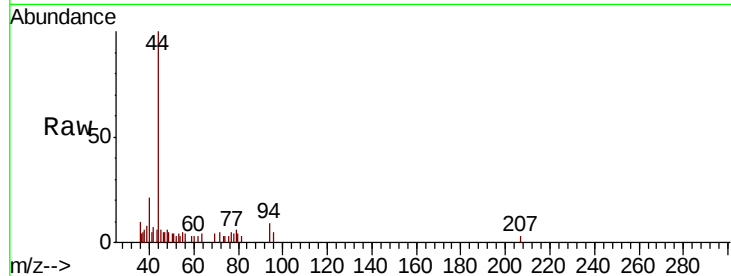
SS037MW301-190416

Tot Ion: 94 Resp: 392

Ion Ratio Lower Upper

94 100

96 53.3 73.9 110.9#



#10

Methyl Iodide

Concen: 4.439 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009049.D

Acq: 18 Apr 2019 17:18

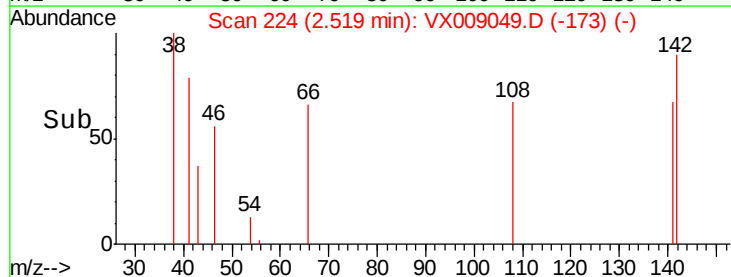
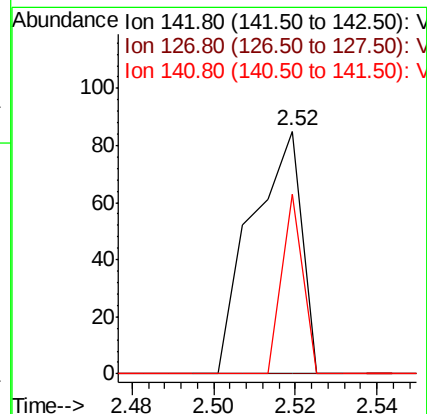
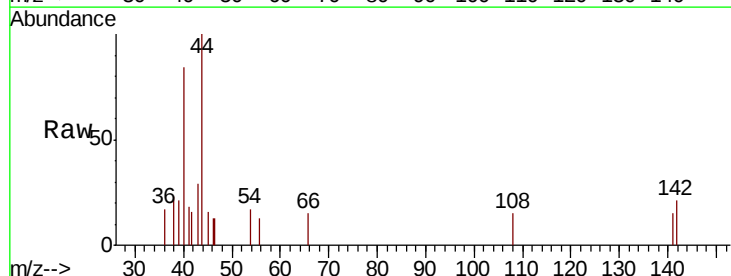
Tgt Ion: 142 Resp: 72

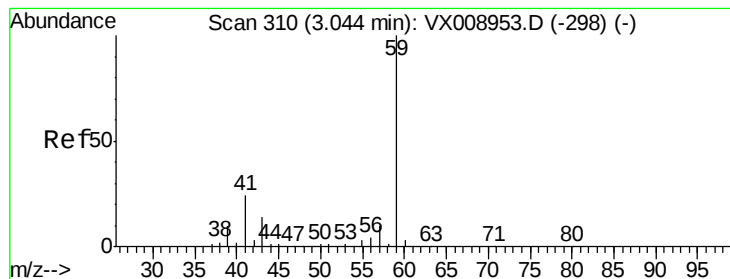
Ion Ratio Lower Upper

142 100

127 0.0 32.8 49.2#

141 31.9 11.4 17.2#



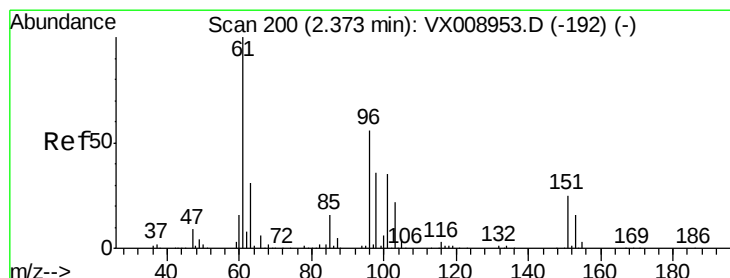
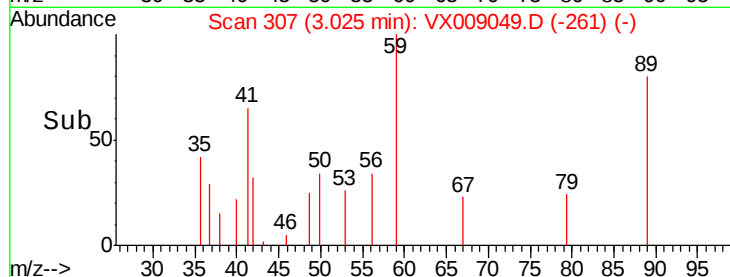
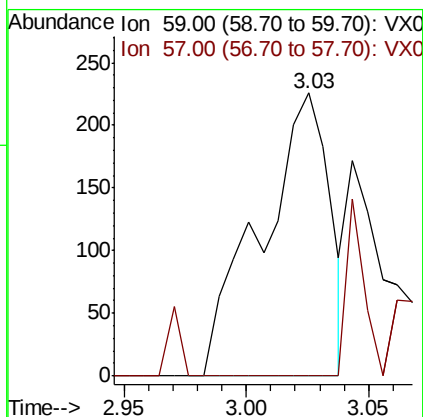
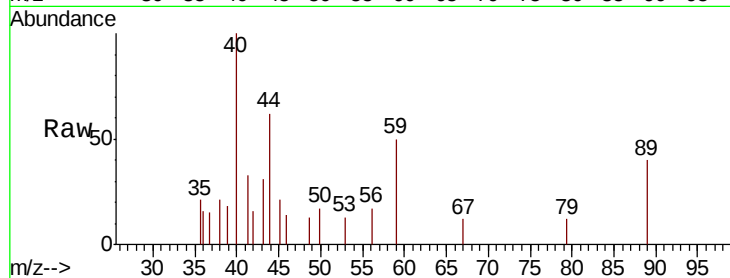


#11

Tert butyl alcohol
 Concen: 0.599 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX009049.D
 Acq: 18 Apr 2019 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW301-190416

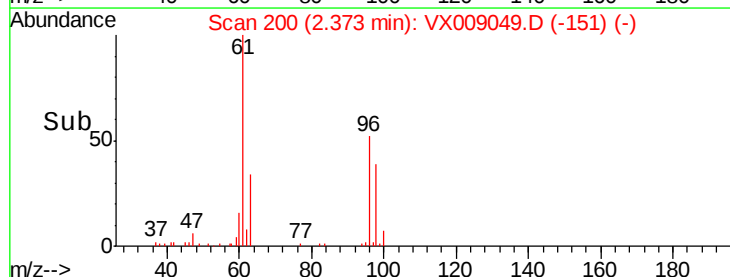
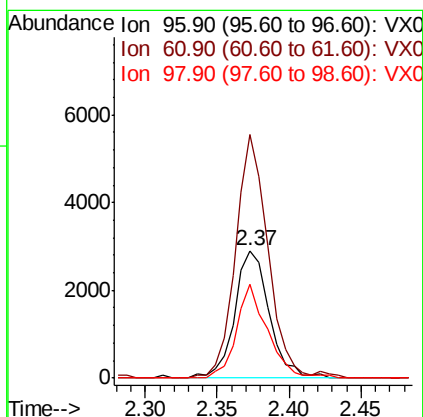
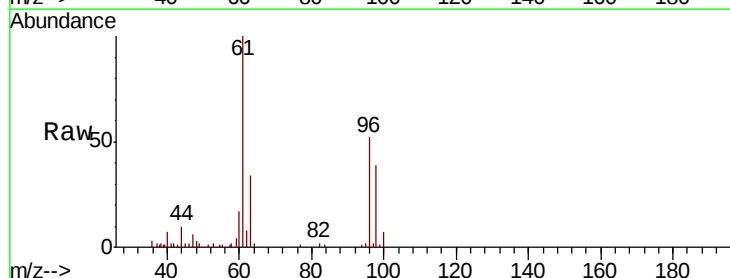
Tot Ion: 59 Resp: 441
 Ion Ratio Lower Upper
 59 100
 57 16.1 8.4 12.6#

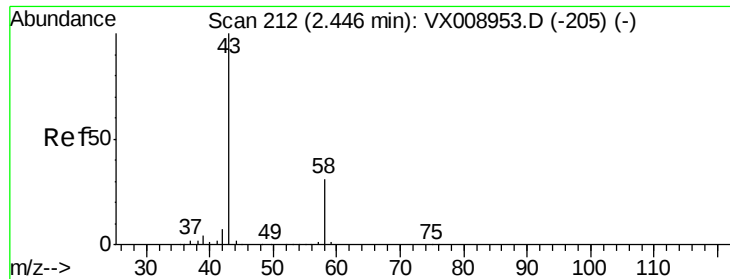


#12

1,1-Dichloroethene
 Concen: 1.923 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009049.D
 Acq: 18 Apr 2019 17:18

Tgt Ion: 96 Resp: 4852
 Ion Ratio Lower Upper
 96 100
 61 191.2 142.2 213.2
 98 73.7 50.9 76.3





#16

Acetone

Concen: 3.350 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009049.D

Acq: 18 Apr 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

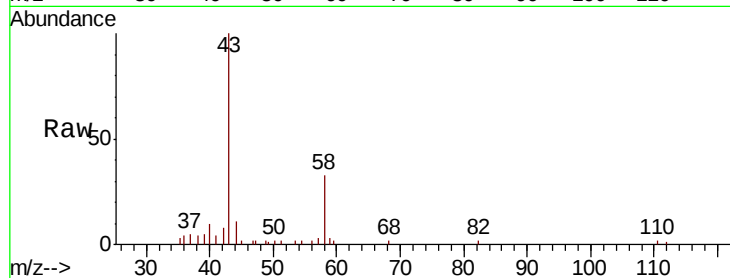
SS037MW301-190416

Tot Ion: 43 Resp: 5762

Ion Ratio Lower Upper

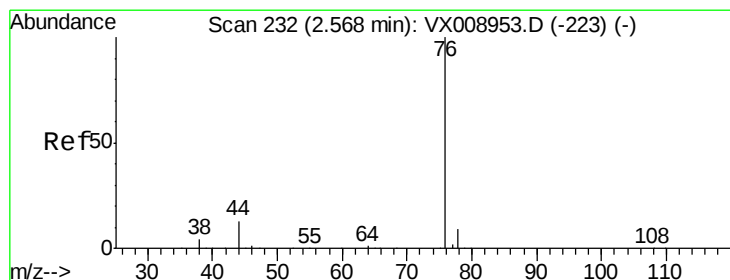
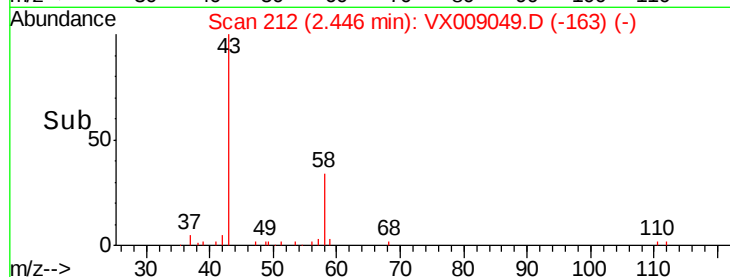
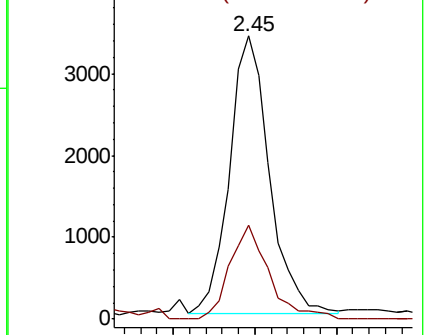
43 100

58 33.9 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.319 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009049.D

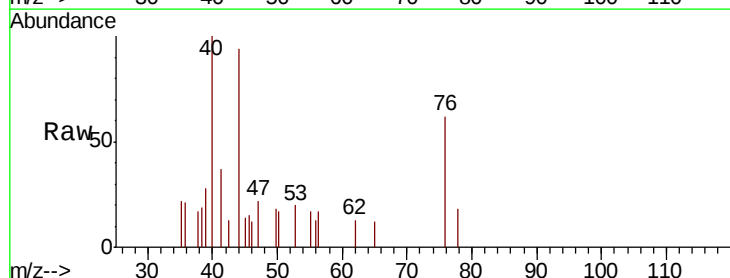
Acq: 18 Apr 2019 17:18

Tgt Ion: 76 Resp: 508

Ion Ratio Lower Upper

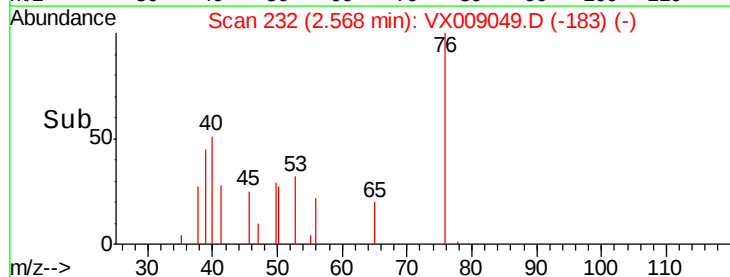
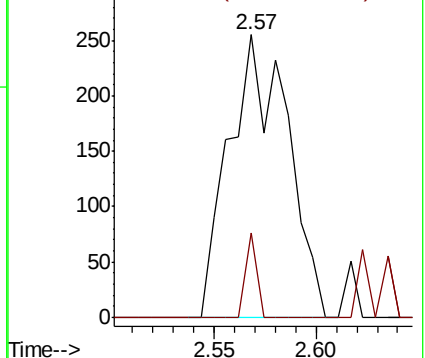
76 100

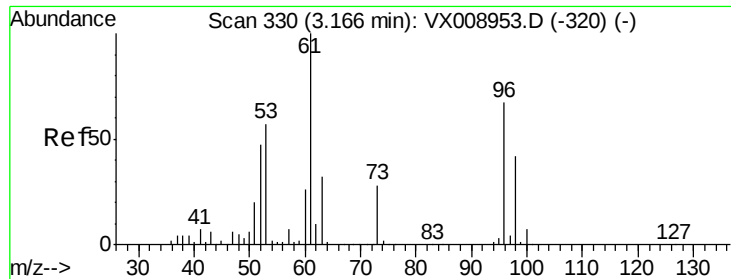
78 29.8 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

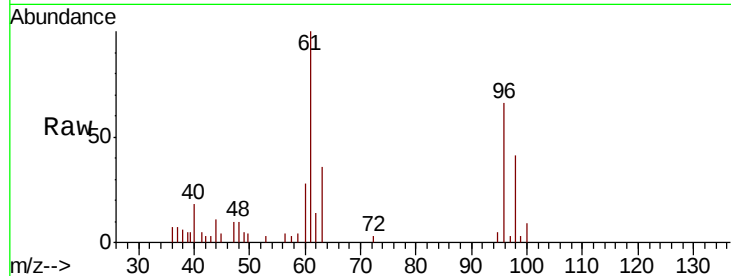




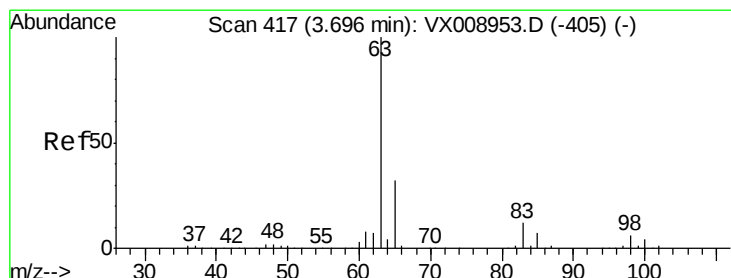
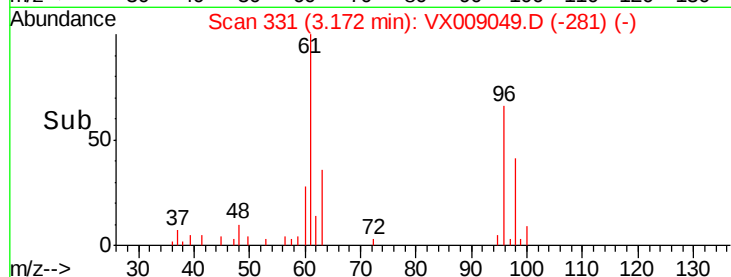
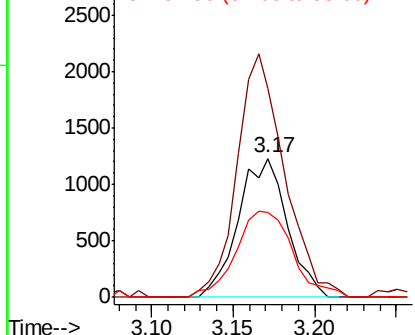
#21
trans-1,2-Dichloroethene
Concen: 0.952 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX009049.D
Acq: 18 Apr 2019 17:18

Instrument :
MSVOA_X
ClientSampleId :
SS037MW301-190416

Tot Ion: 96 Resp: 2564
Ion Ratio Lower Upper
96 100
61 150.6 120.3 180.5
98 61.2 50.2 75.2

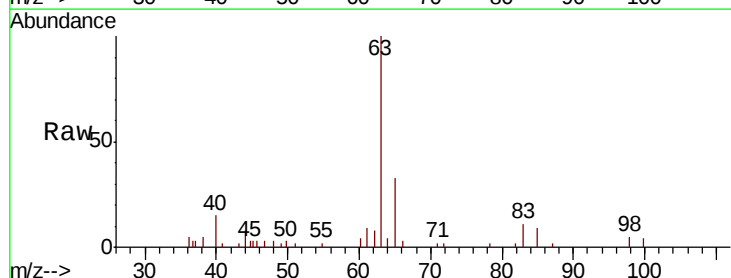


Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

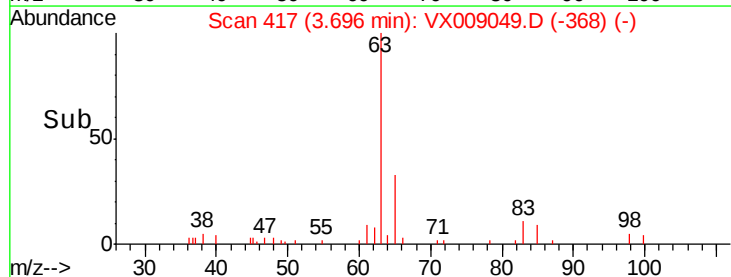
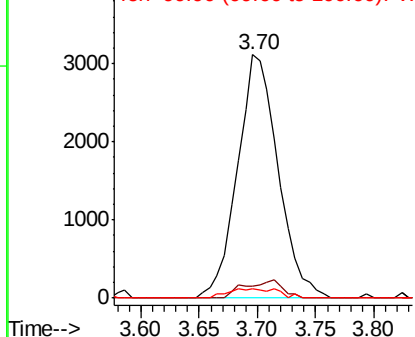


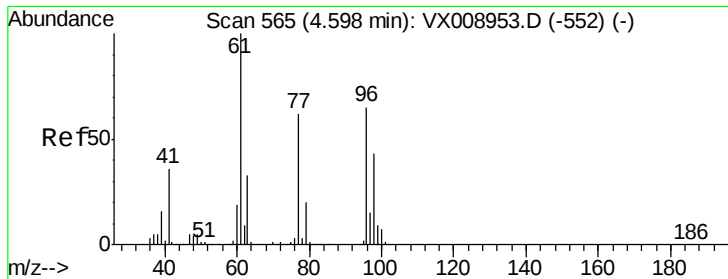
#24
1,1-Dichloroethane
Concen: 1.411 ug/l
RT: 3.70 min Scan# 417
Delta R.T. -0.00 min
Lab File: VX009049.D
Acq: 18 Apr 2019 17:18

Tgt Ion: 63 Resp: 7581
Ion Ratio Lower Upper
63 100
98 4.9 3.1 9.3
100 3.7 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



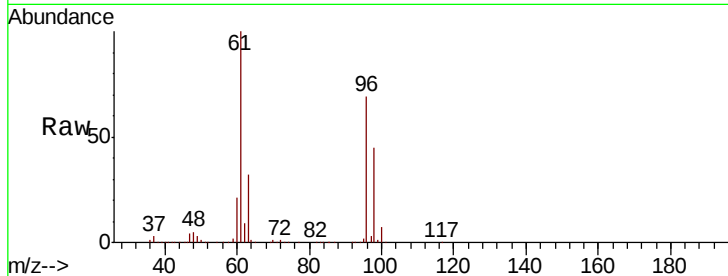


#27

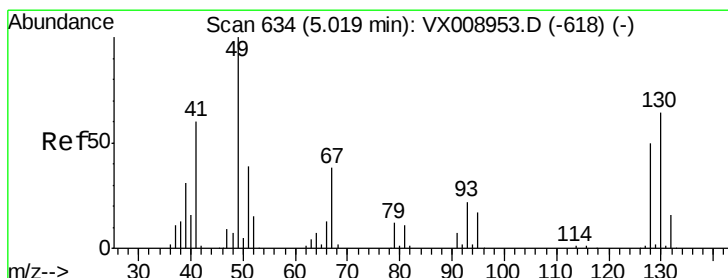
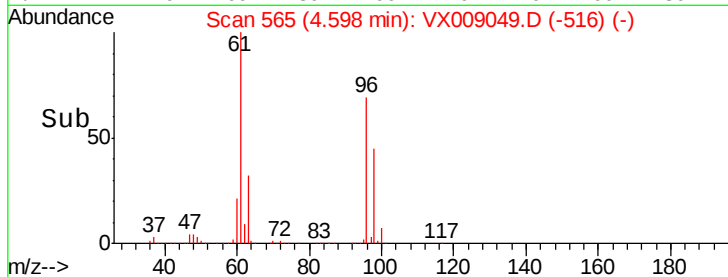
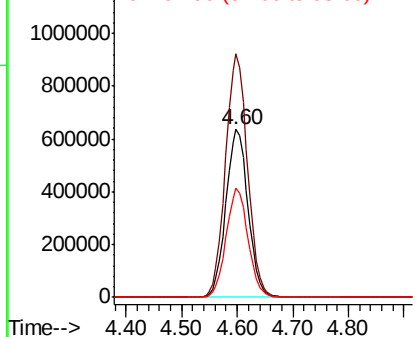
cis-1,2-Dichloroethene
 Concen: 570.872 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX009049.D
 Acq: 18 Apr 2019 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW301-190416

Tot Ion: 96 Resp: 1744765
 Ion Ratio Lower Upper
 96 100
 61 144.2 0.0 322.0
 98 64.3 0.0 128.4



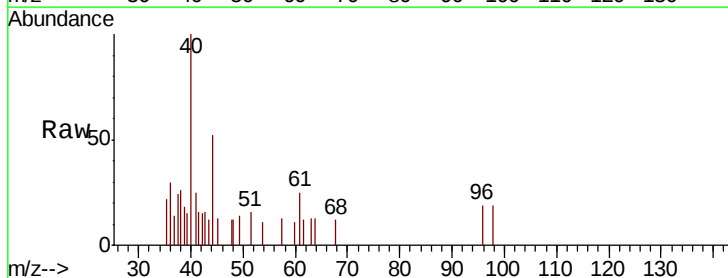
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



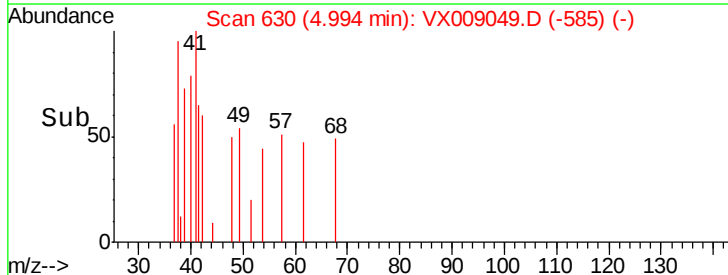
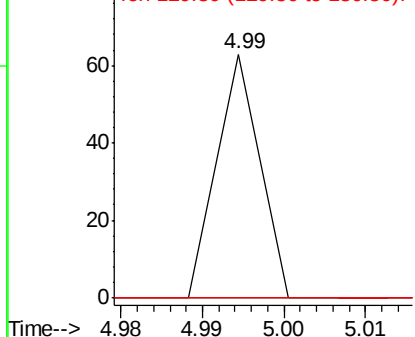
#28

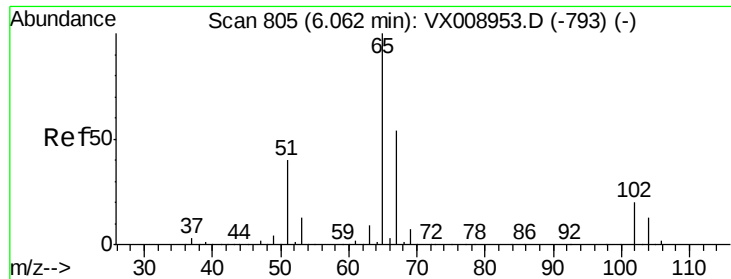
Bromochloromethane
 Concen: Below Cal
 RT: 4.99 min Scan# 630
 Delta R.T. -0.02 min
 Lab File: VX009049.D
 Acq: 18 Apr 2019 17:18

Tgt Ion: 49 Resp: 23
 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

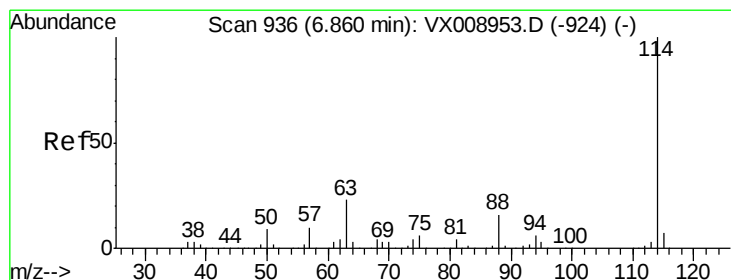
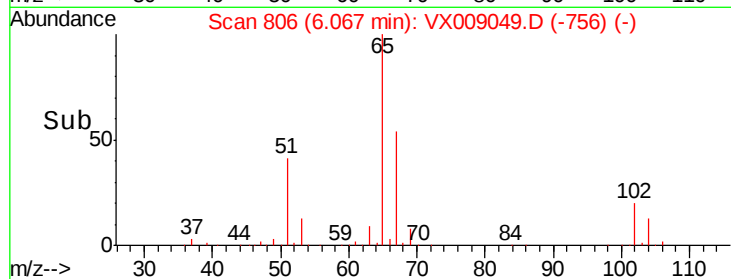
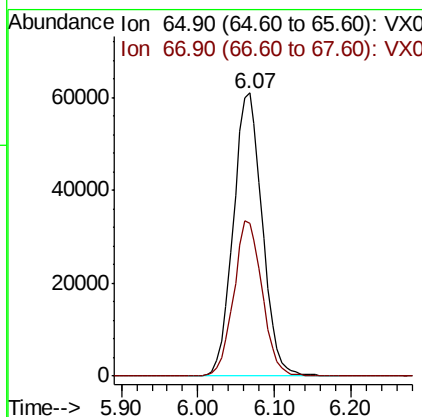
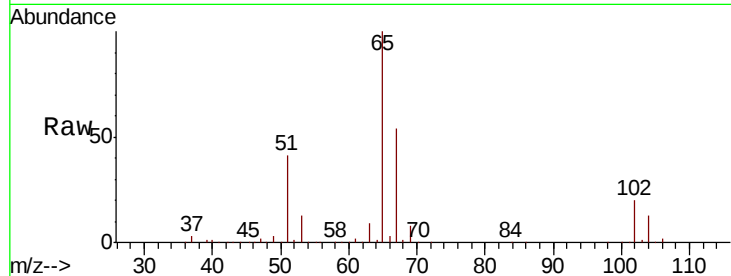




#33
 1,2-Dichloroethane-d4
 Concen: 48.119 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX009049.D
 Acq: 18 Apr 2019 17:18

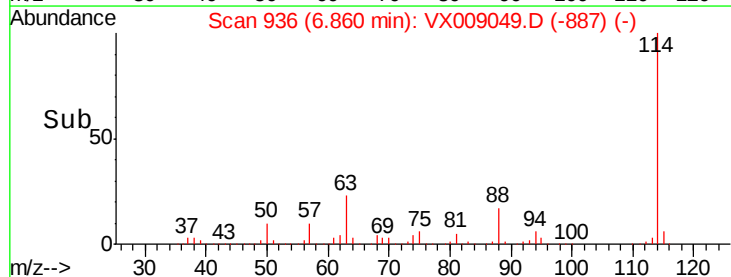
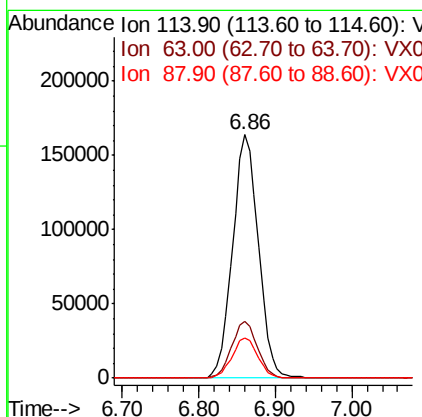
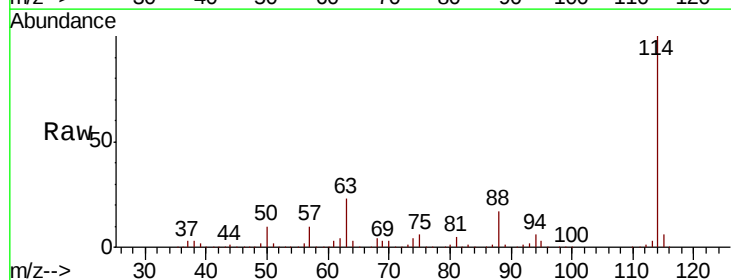
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW301-190416

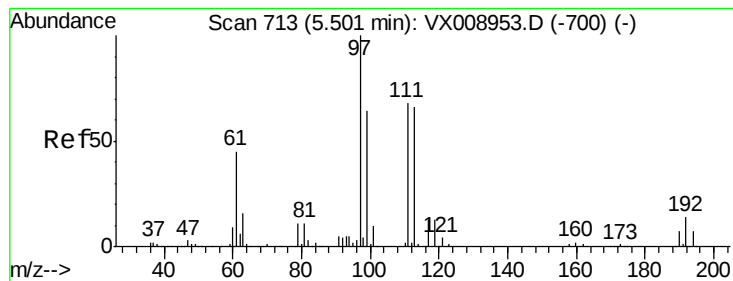
Tot Ion: 65 Resp: 159595
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009049.D
 Acq: 18 Apr 2019 17:18

Tgt Ion: 114 Resp: 382369
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 46.0
 88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.502 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009049.D

Acq: 18 Apr 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-190416

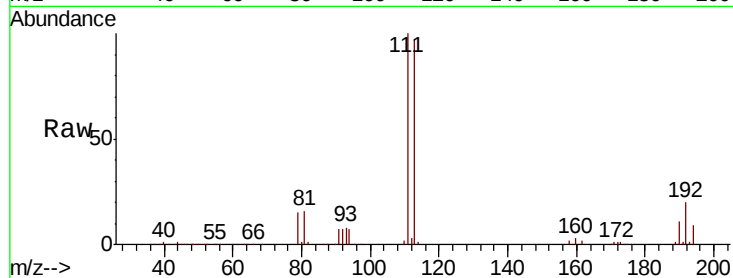
Tot Ion:113 Resp: 116568

Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

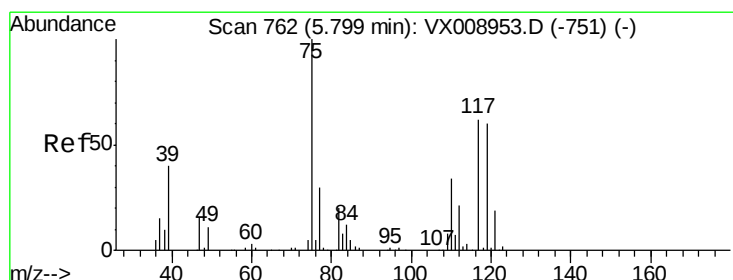
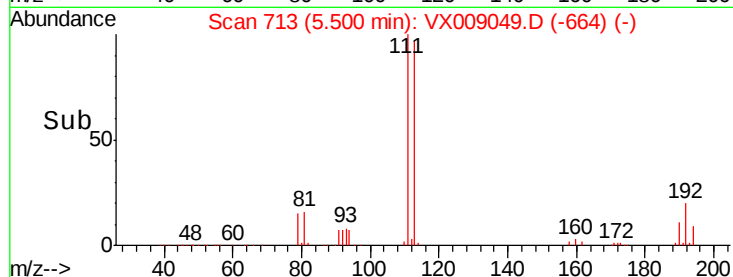
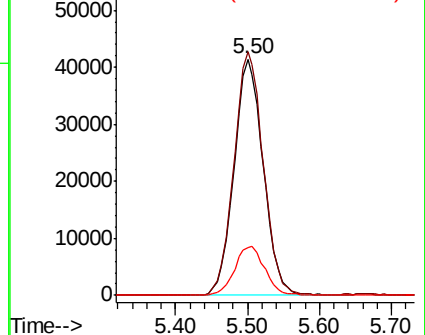
192 21.3 17.4 26.0



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



#36

1,1-Dichloropropene

Concen: 4.825 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009049.D

Acq: 18 Apr 2019 17:18

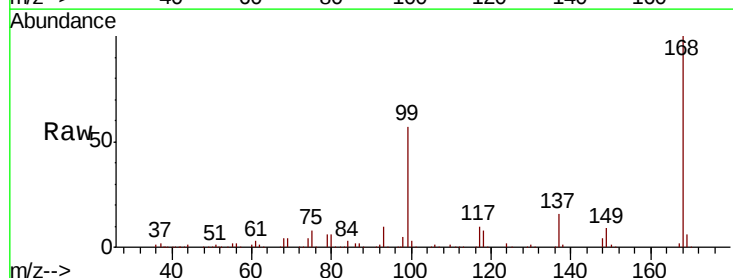
Tgt Ion: 75 Resp: 19080

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.7#

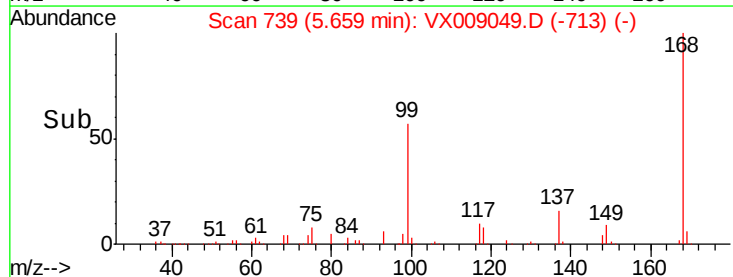
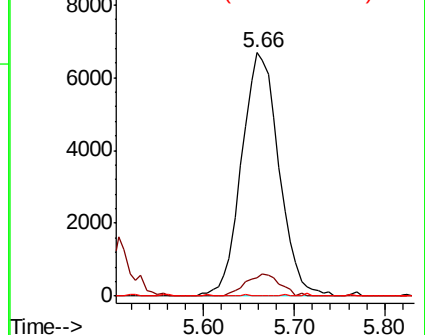
77 0.1 25.0 37.4#

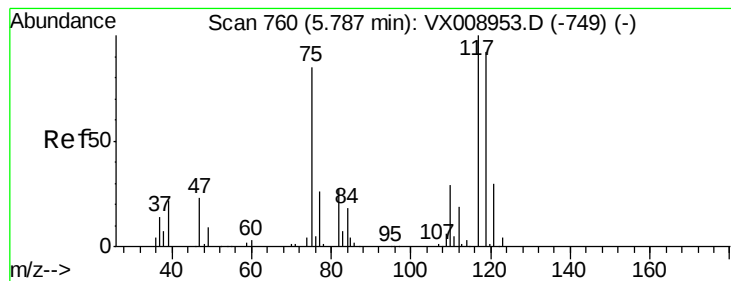


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.766 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009049.D

Acq: 18 Apr 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-190416

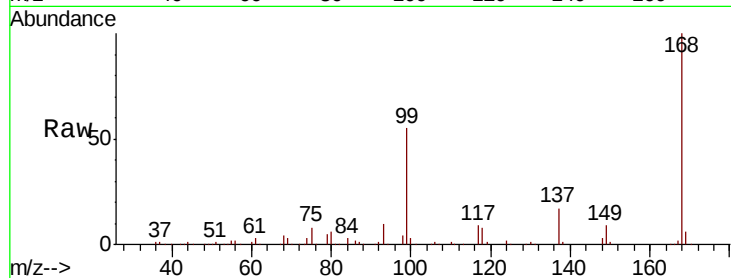
Tot Ion:117 Resp: 22682

Ion Ratio Lower Upper

117 100

119 6.1 73.8 110.8#

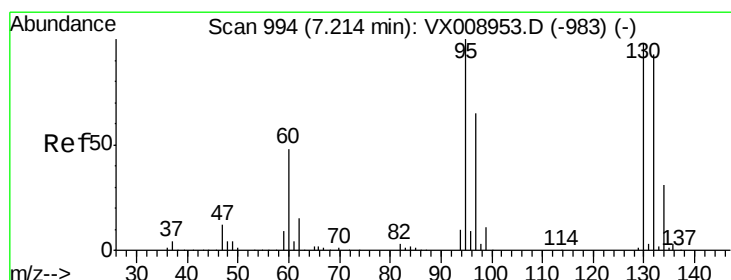
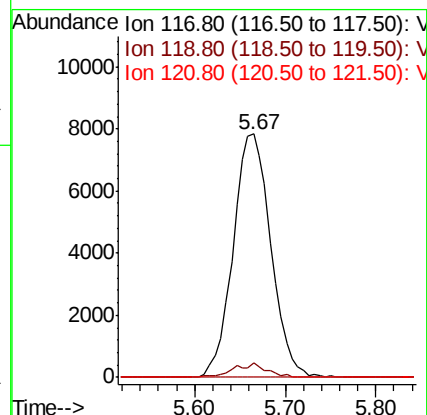
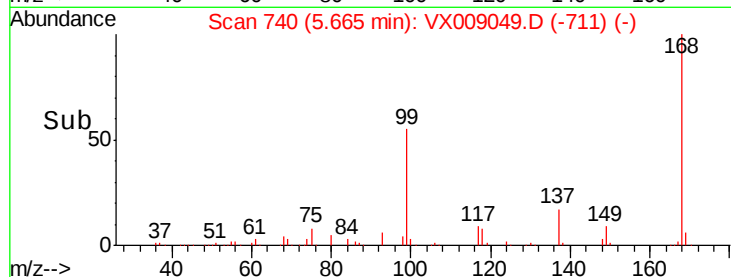
121 0.0 23.6 35.4#



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: 2.055 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009049.D

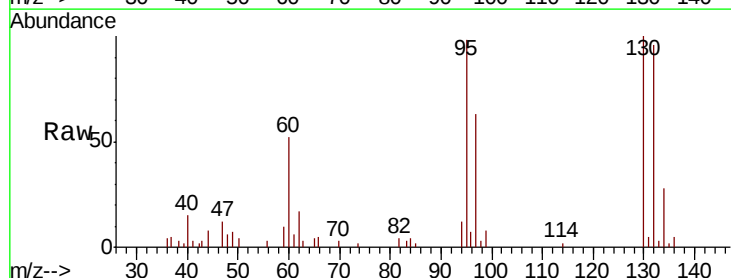
Acq: 18 Apr 2019 17:18

Tgt Ion:130 Resp: 5875

Ion Ratio Lower Upper

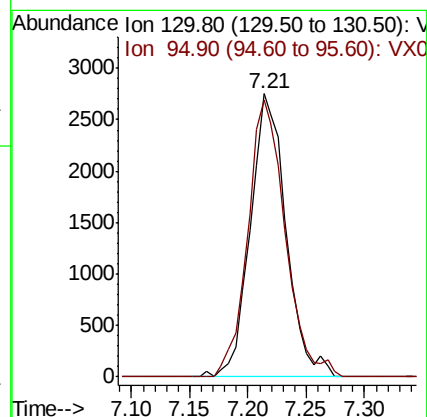
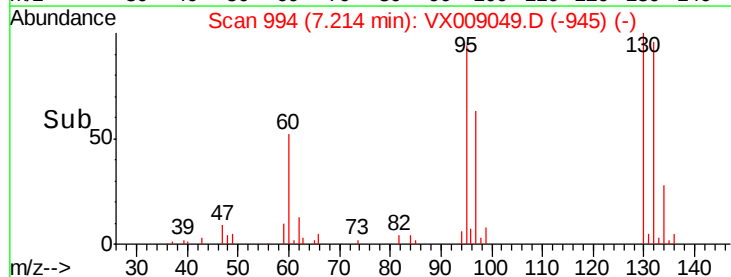
130 100

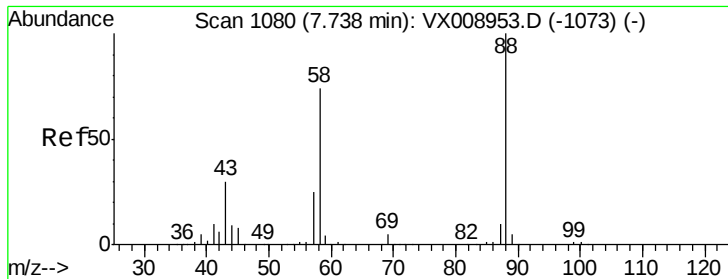
95 97.9 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

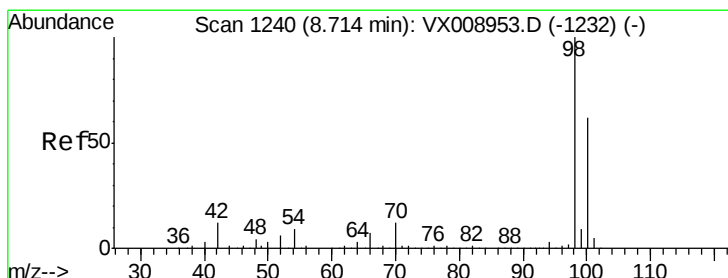
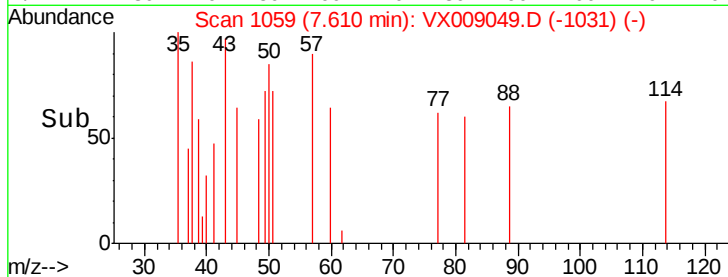
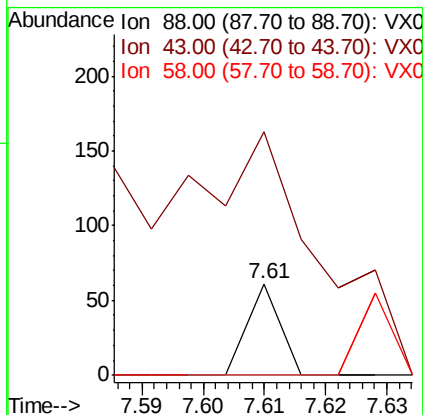
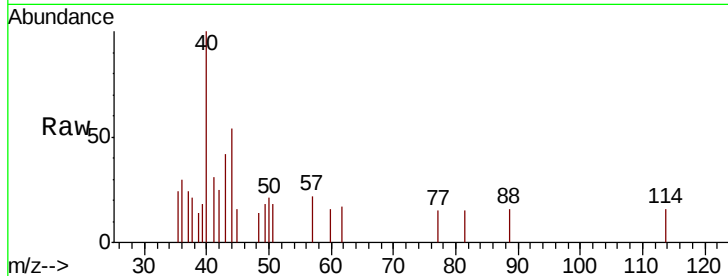




#49
1,4-Dioxane
Concen: 0.290 ug/l
RT: 7.61 min Scan# 1059
Delta R.T. -0.13 min
Lab File: VX009049.D
Acq: 18 Apr 2019 17:18

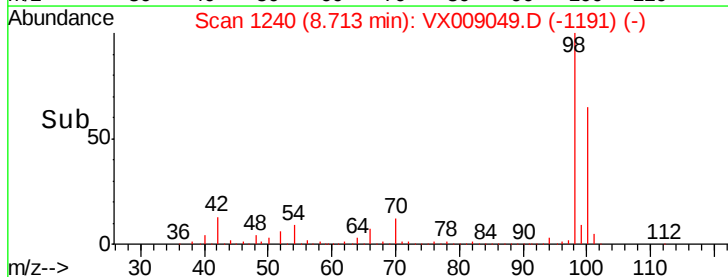
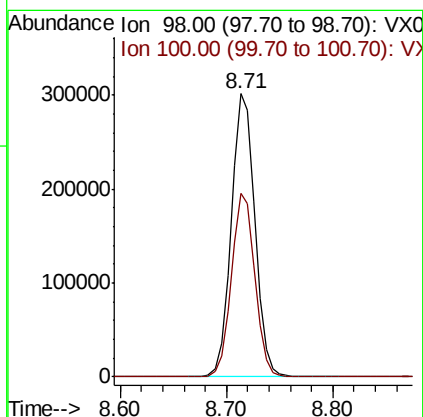
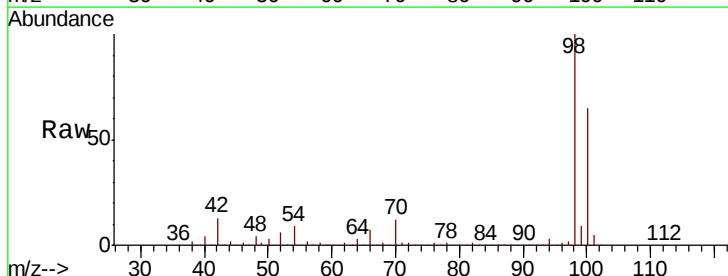
Instrument :
MSVOA_X
ClientSampleId :
SS037MW301-190416

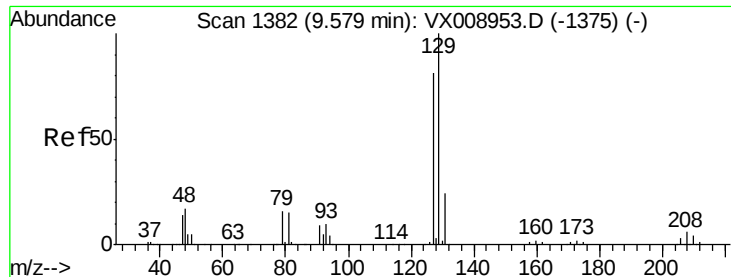
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 29.3 43.9#
58 90.9 62.6 93.8



#50
Toluene-d8
Concen: 47.901 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009049.D
Acq: 18 Apr 2019 17:18

Tgt Ion: 98 Resp: 468787
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.2

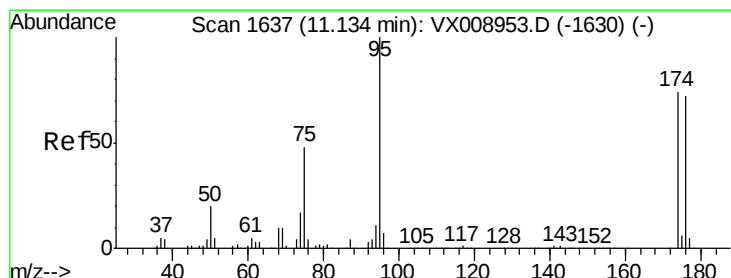
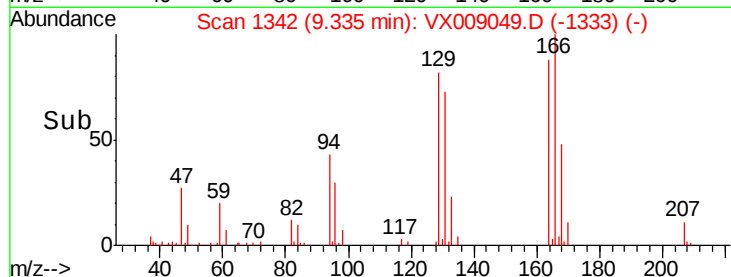
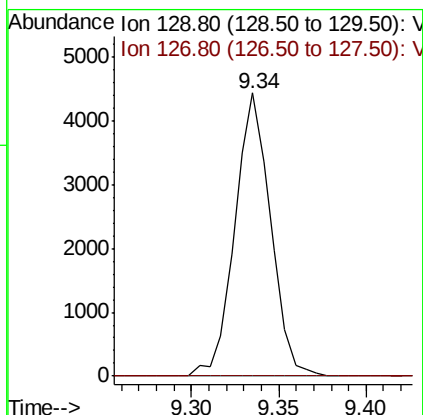
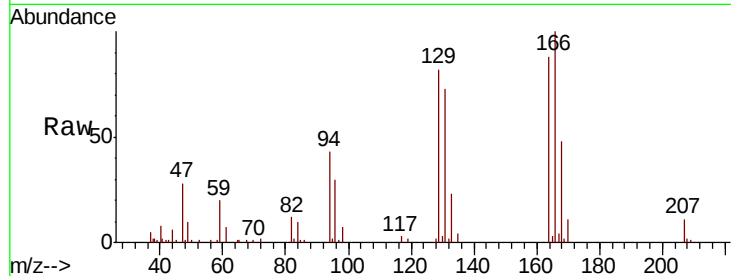




#60
 Dibromochloromethane
 Concen: 2.368 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009049.D
 Acq: 18 Apr 2019 17:18

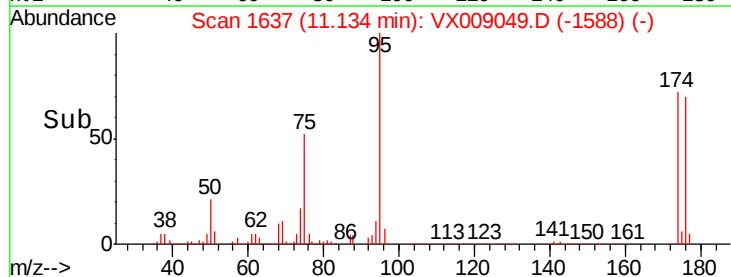
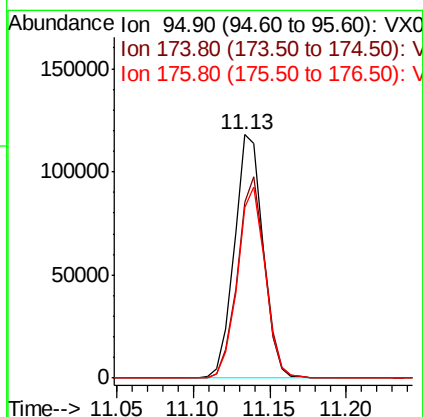
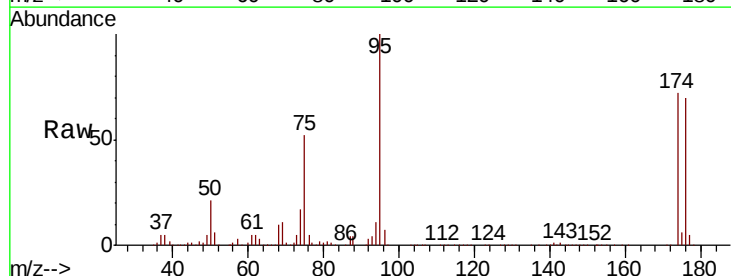
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW301-190416

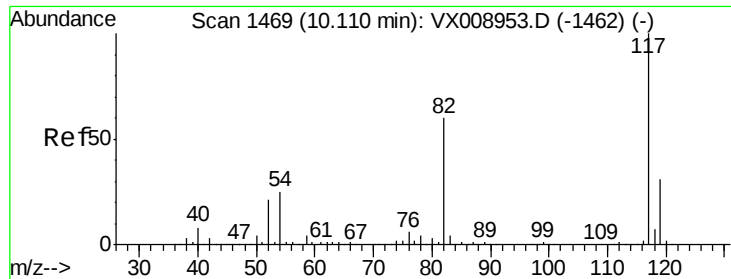
Tot Ion:129 Resp: 6288
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.1 117.2#



#62
 4-Bromofluorobenzene
 Concen: 44.212 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009049.D
 Acq: 18 Apr 2019 17:18

Tgt Ion: 95 Resp: 152738
 Ion Ratio Lower Upper
 95 100
 174 79.6 0.0 159.6
 176 76.0 0.0 154.8

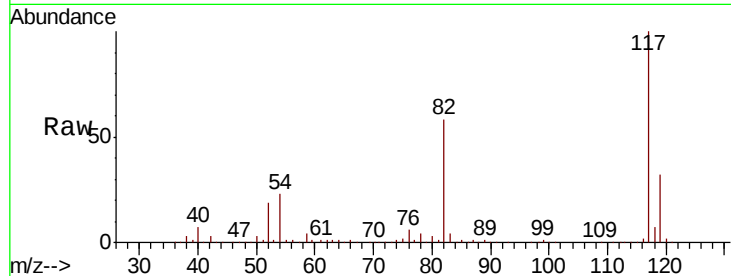




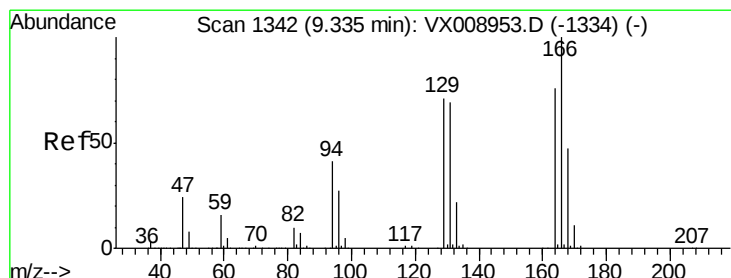
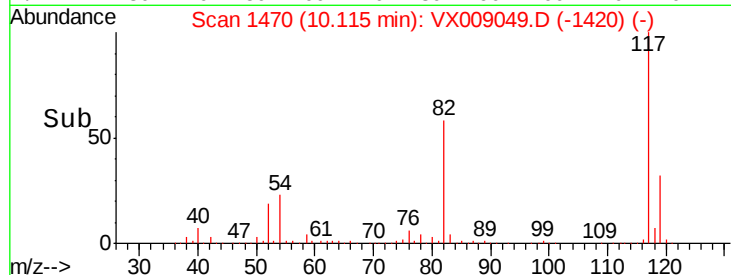
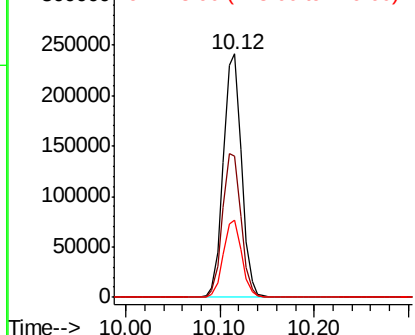
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009049.D
Acq: 18 Apr 2019 17:18

Instrument :
MSVOA_X
ClientSampleId :
SS037MW301-190416

Tot Ion:117 Resp: 324100
Ion Ratio Lower Upper
117 100
82 57.8 48.2 72.4
119 31.8 25.0 37.6

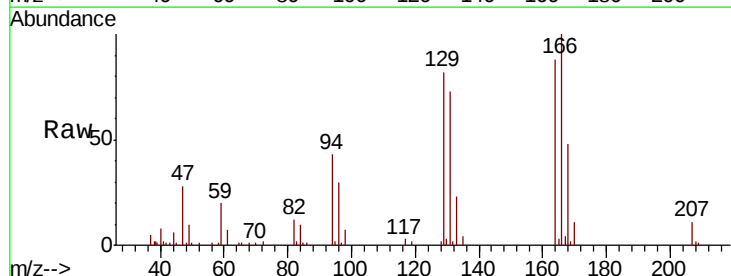


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

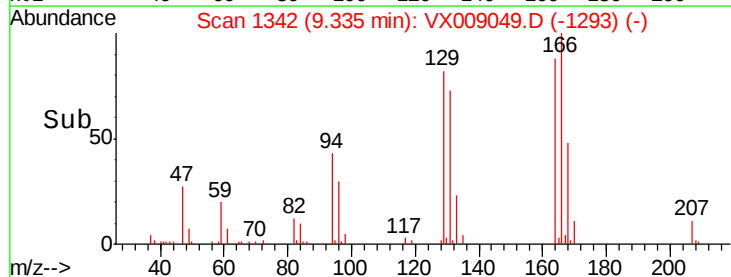
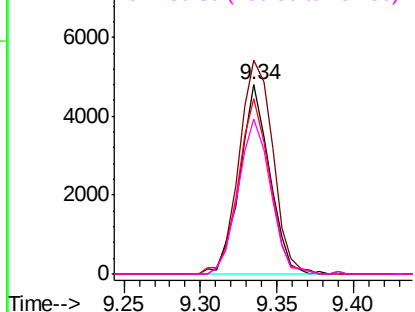


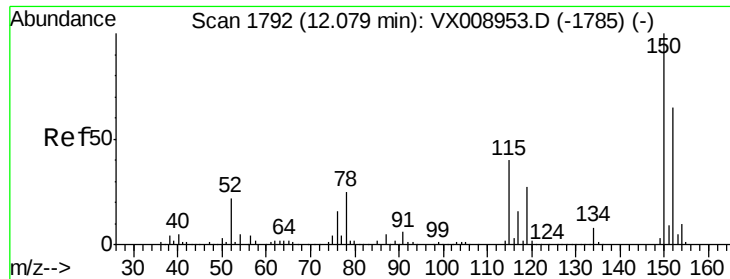
#64
Tetrachloroethene
Concen: 2.640 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009049.D
Acq: 18 Apr 2019 17:18

Tgt Ion:164 Resp: 6501
Ion Ratio Lower Upper
164 100
166 113.0 105.0 157.4
129 92.5 74.2 111.4
131 82.0 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: VX009049.D

Acq: 18 Apr 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-190416

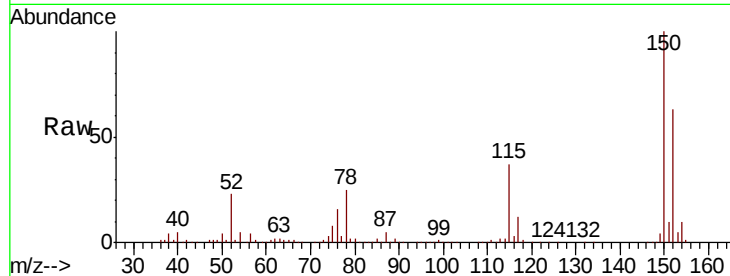
Tot Ion:152 Resp: 134870

Ion Ratio Lower Upper

152 100

115 59.4 41.4 124.2

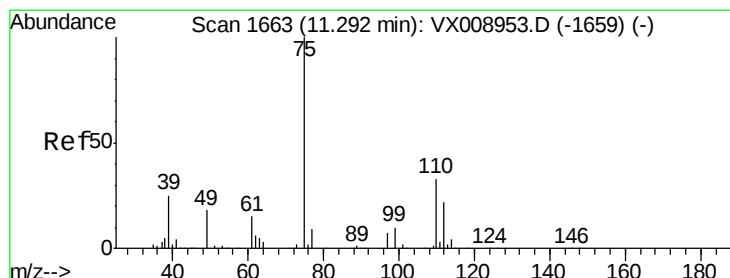
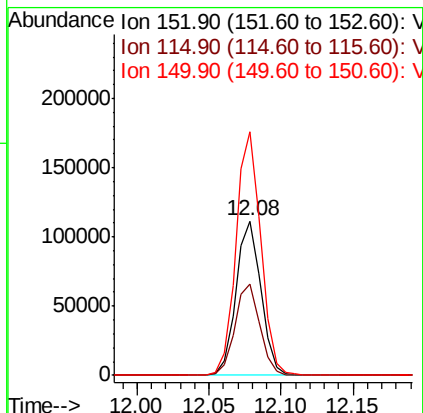
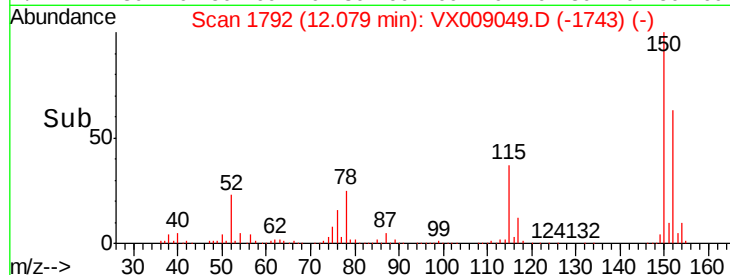
150 156.7 0.0 349.8



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: 23.964 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009049.D

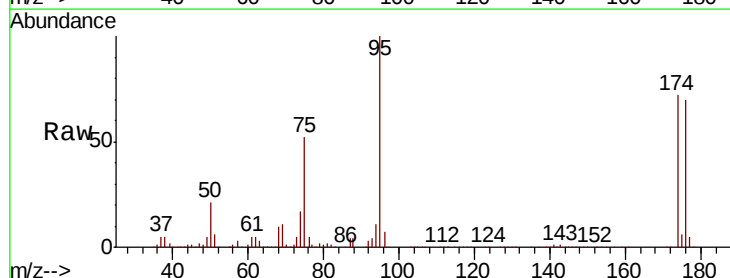
Acq: 18 Apr 2019 17:18

Tgt Ion: 75 Resp: 78920

Ion Ratio Lower Upper

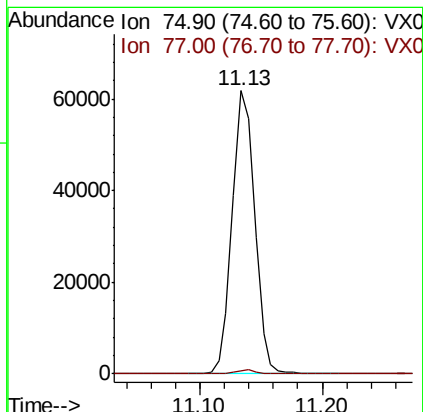
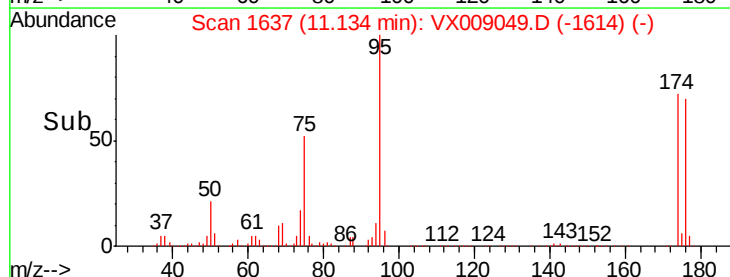
75 100

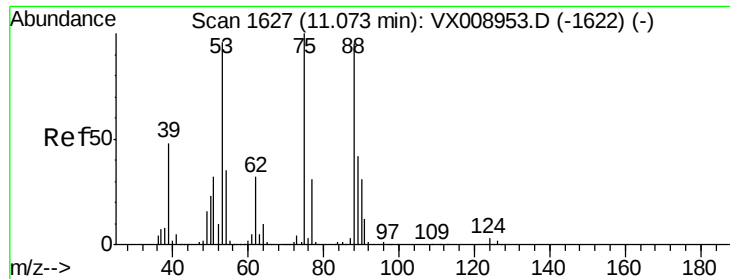
77 1.3 22.7 68.0#



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: 61.523 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009049.D

Acq: 18 Apr 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-190416

Tot Ion: 75 Resp: 78920

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.0 36.0 54.0#

