

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041719\
 Data File : VX009011.D
 Acq On : 17 Apr 2019 13:50
 Operator : JC/SP
 Sample : K2387-03DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW318-190410DL

Quant Time: Apr 18 01:36:25 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	264451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	416327	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	368945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160228	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	171555	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	
35) Dibromofluoromethane	5.50	113	125318	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
50) Toluene-d8	8.71	98	523747	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	11.13	95	177547	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	

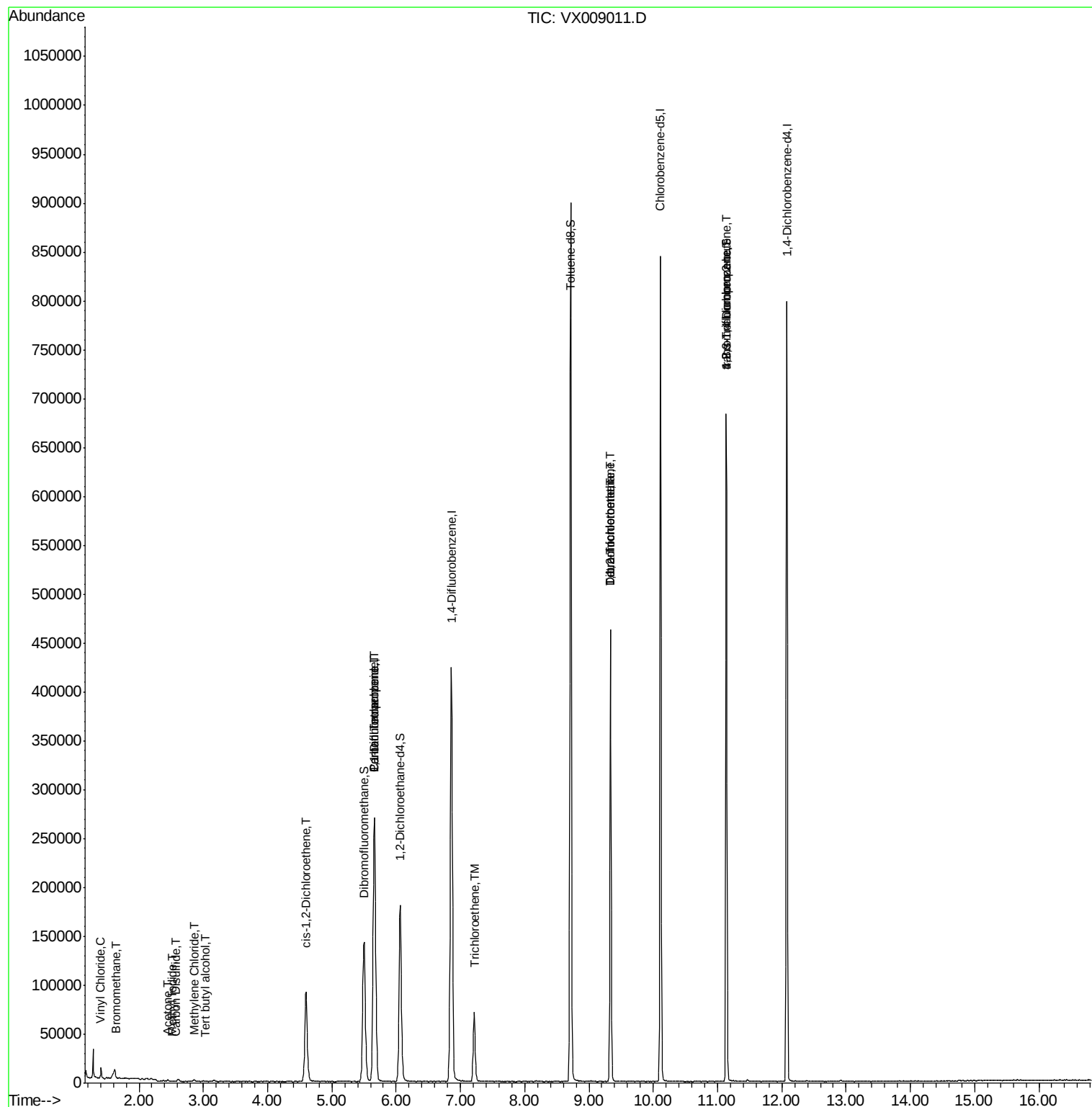
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	6893	1.894	ug/l	99
5) Bromomethane	1.65	94	507	4.054	ug/l #	58
10) Methyl Iodide	2.51	142	249	4.491	ug/l #	65
11) Tert butyl alcohol	3.03	59	330	0.399	ug/l #	72
16) Acetone	2.45	43	1783	0.923	ug/l #	57
17) Carbon Disulfide	2.57	76	651	1.329	ug/l #	55
20) Methylene Chloride	2.85	84	778	0.235	ug/l #	86
27) cis-1,2-Dichloroethene	4.60	96	56482	16.446	ug/l	90
28) Bromochloromethane	5.03	49	56	Below Cal	#	21
36) 1,1-Dichloropropene	5.66	75	21051	4.889	ug/l #	50
38) Carbon Tetrachloride	5.66	117	25024	6.855	ug/l #	18
44) Trichloroethene	7.21	130	27329	8.781	ug/l	97
55) 1,1,2-Trichloroethane	9.34	97	727	0.241	ug/l #	1
60) Dibromochloromethane	9.34	129	82558	28.551	ug/l #	10
64) Tetrachloroethene	9.34	164	86963	31.027	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	90293	23.078	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	90293	59.249	ug/l #	11

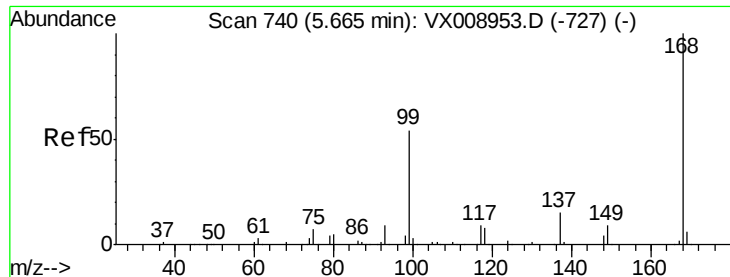
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041719\
Data File : VX009011.D
Acq On : 17 Apr 2019 13:50
Operator : JC/SP
Sample : K2387-03DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS040MW318-190410DL

Quant Time: Apr 18 01:36:25 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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009011.D

Acq: 17 Apr 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

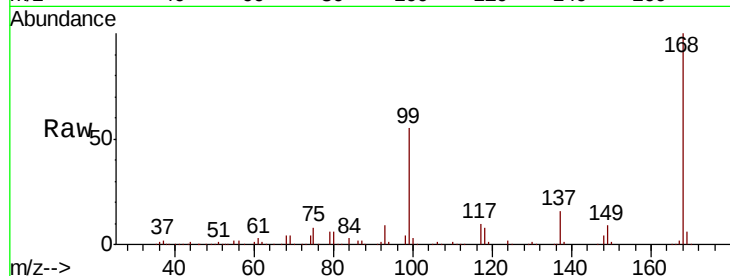
SS040MW318-190410DL

Tot Ion:168 Resp: 264451

Ion Ratio Lower Upper

168 100

99 55.1 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

100000

80000

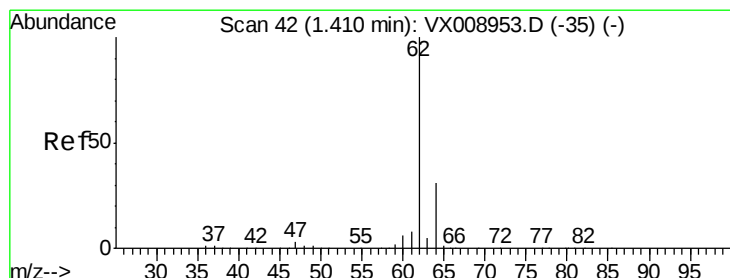
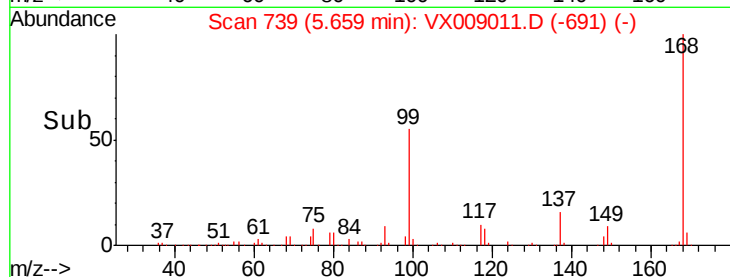
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 1.894 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009011.D

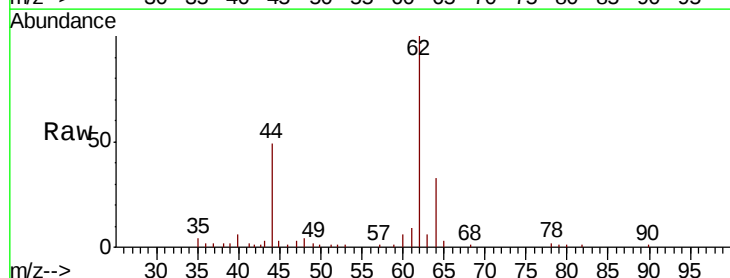
Acq: 17 Apr 2019 13:50

Tgt Ion: 62 Resp: 6893

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

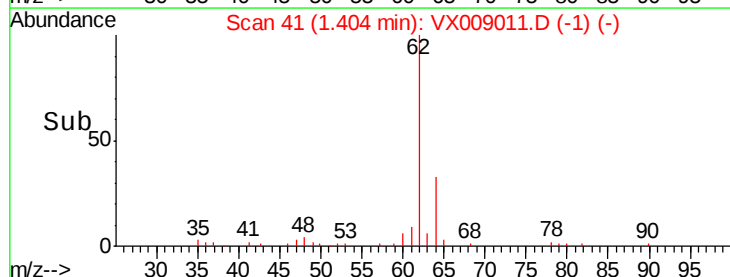
6000

4000

2000

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: 4.054 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX009011.D

Acq: 17 Apr 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

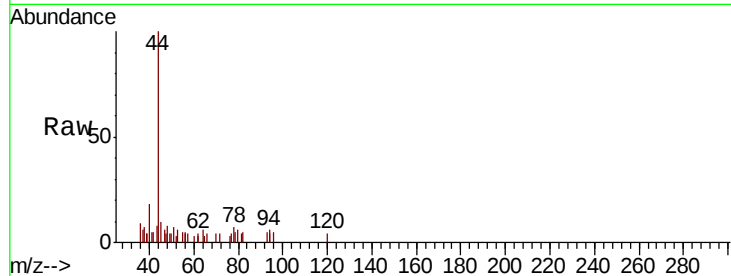
SS040MW318-190410DL

Tot Ion: 94 Resp: 507

Ion Ratio Lower Upper

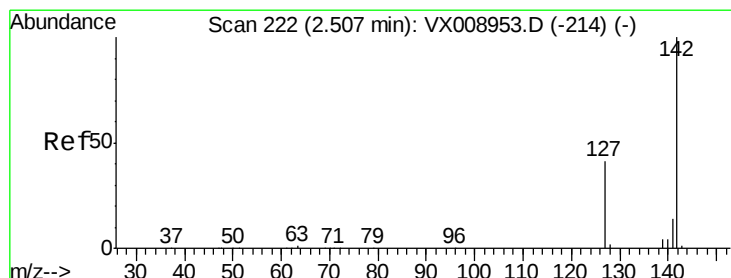
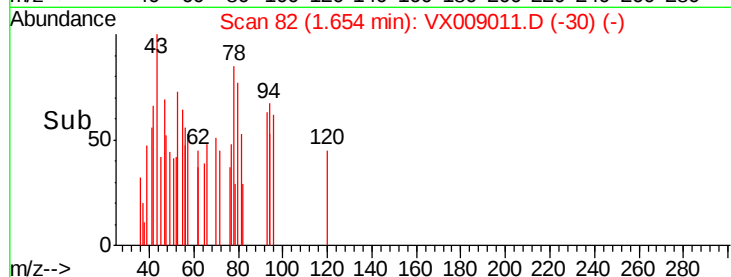
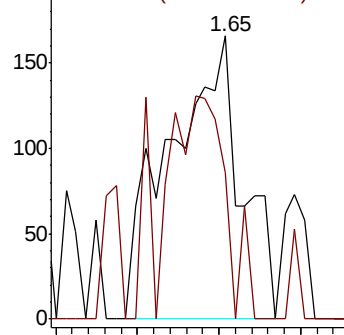
94 100

96 51.8 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.491 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009011.D

Acq: 17 Apr 2019 13:50

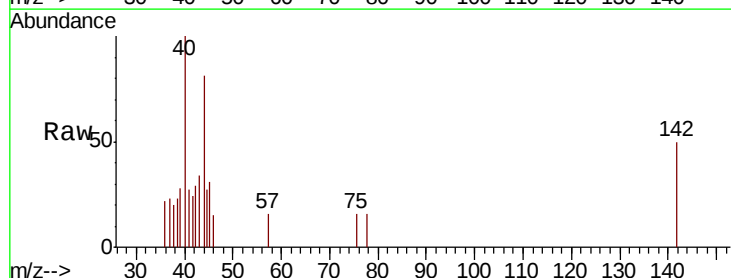
Tgt Ion: 142 Resp: 249

Ion Ratio Lower Upper

142 100

127 19.3 32.8 49.2#

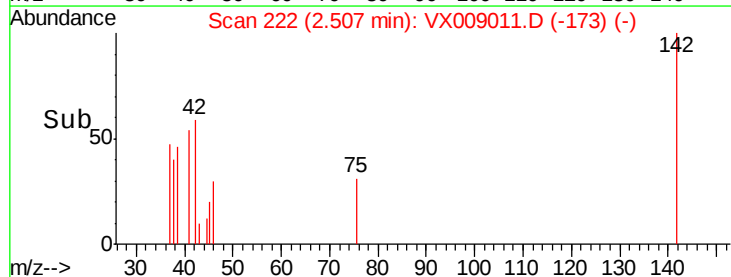
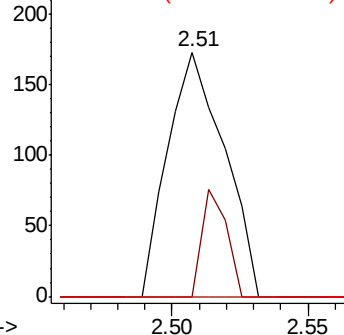
141 0.0 11.4 17.2#

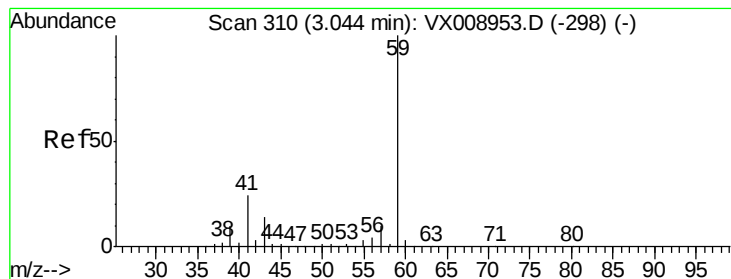


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



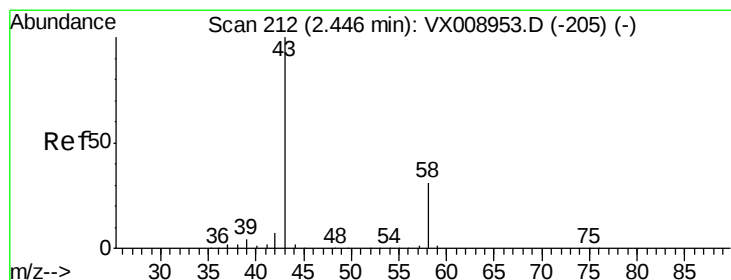
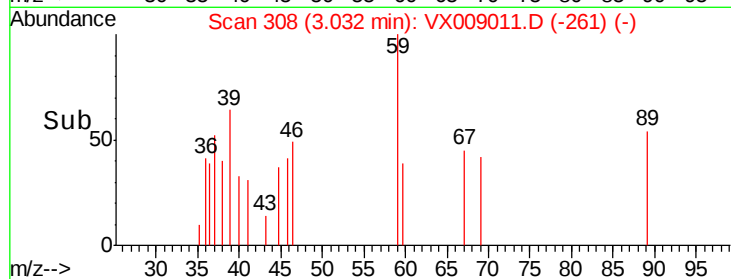
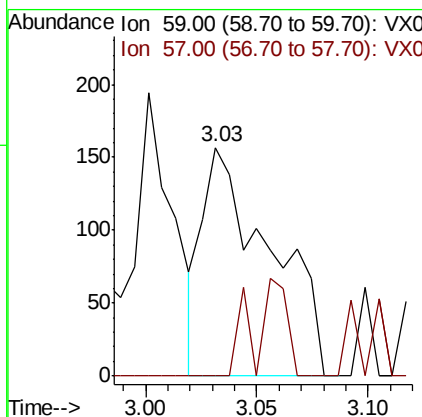
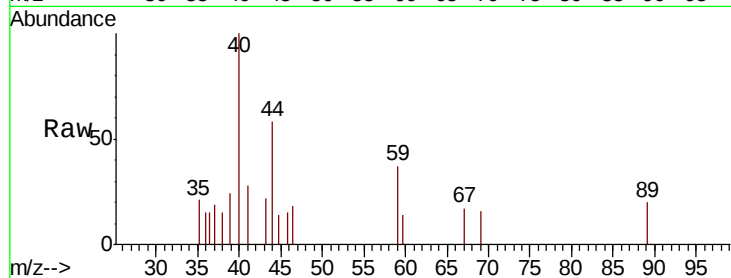


#11

Tert butyl alcohol
 Concen: 0.399 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VX009011.D
 Acq: 17 Apr 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW318-190410DL

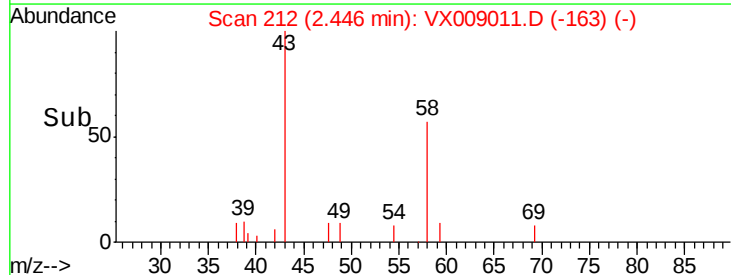
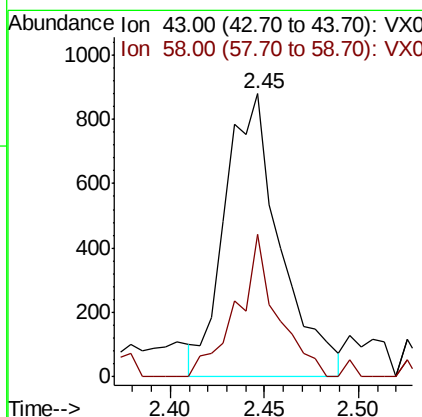
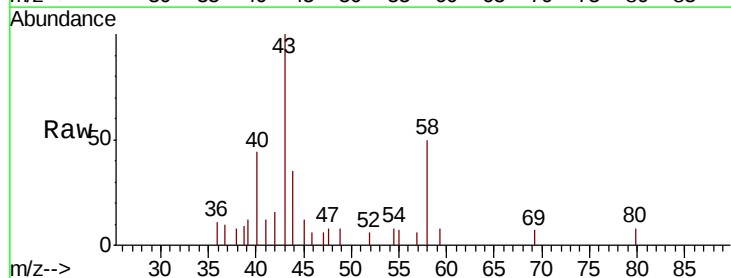
Tot Ion: 59 Resp: 330
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

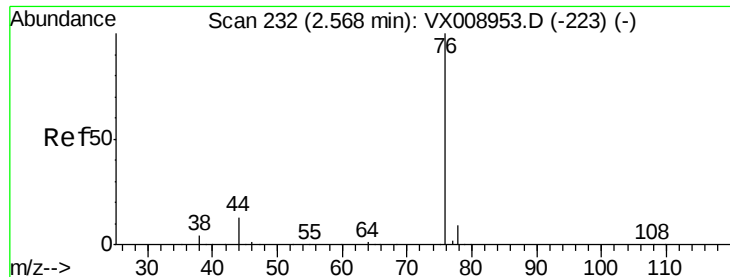


#16

Acetone
 Concen: 0.923 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX009011.D
 Acq: 17 Apr 2019 13:50

Tgt Ion: 43 Resp: 1783
 Ion Ratio Lower Upper
 43 100
 58 54.9 24.8 37.2#





#17

Carbon Disulfide

Concen: 1.329 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009011.D

Acq: 17 Apr 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

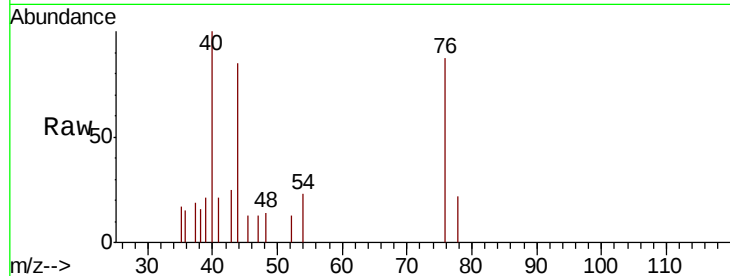
SS040MW318-190410DL

Tot Ion: 76 Resp: 651

Ion Ratio Lower Upper

76 100

78 25.4 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

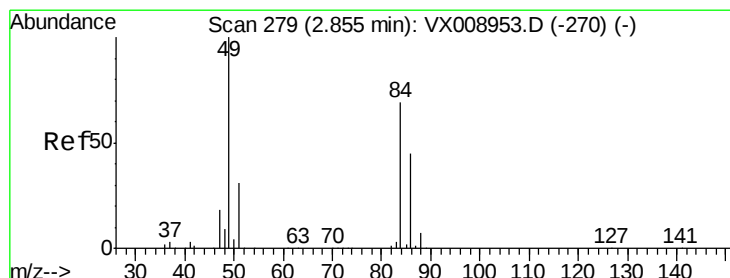
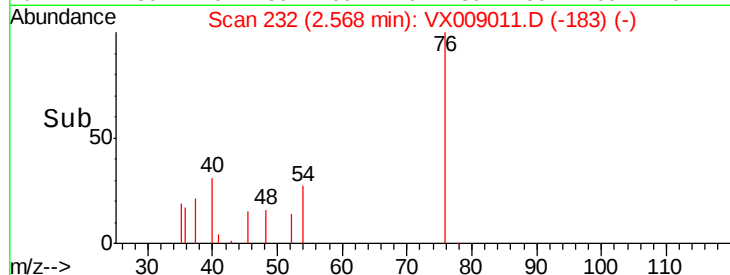
100

0

2.55

2.60

Time-->



#20

Methylene Chloride

Concen: 0.235 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009011.D

Acq: 17 Apr 2019 13:50

Tgt Ion: 84 Resp: 778

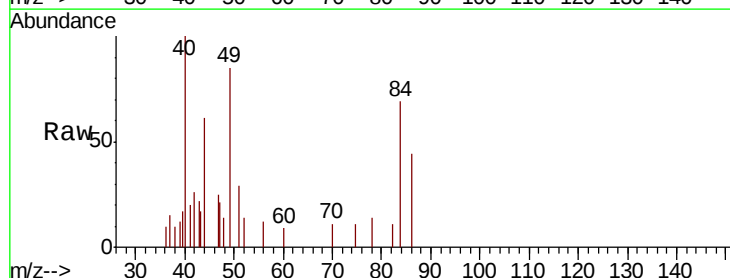
Ion Ratio Lower Upper

84 100

49 123.2 115.4 173.0

51 29.2 35.8 53.6#

86 63.4 52.1 78.1



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

600

400

200

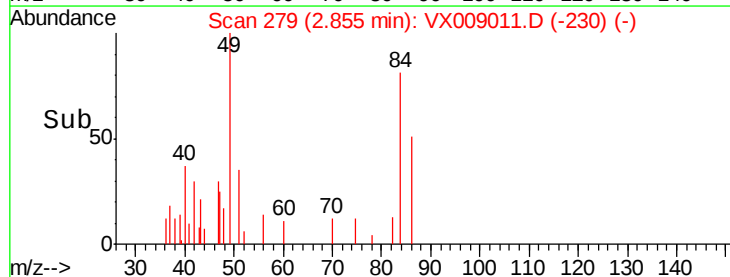
0

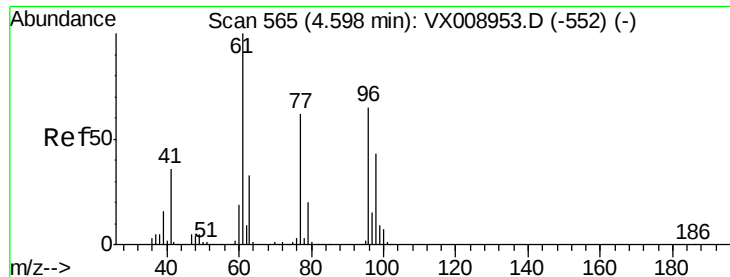
2.80

2.85

2.90

Time-->



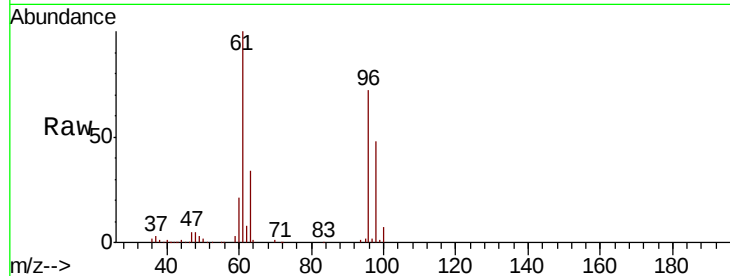


#27

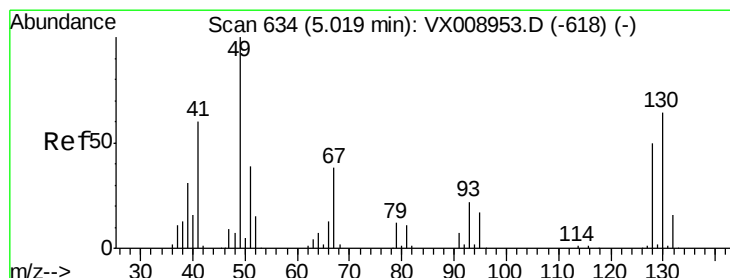
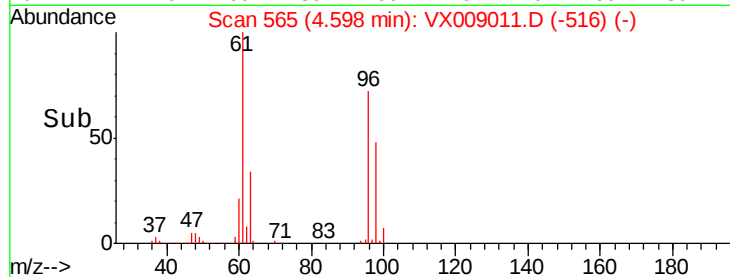
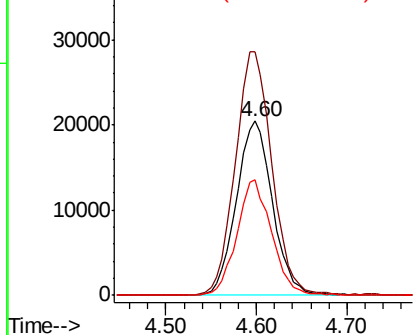
cis-1,2-Dichloroethene
 Concen: 16.446 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX009011.D
 Acq: 17 Apr 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW318-190410DL

Tot Ion	96	Resp	56482
Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	322.0
98	64.1	0.0	128.4



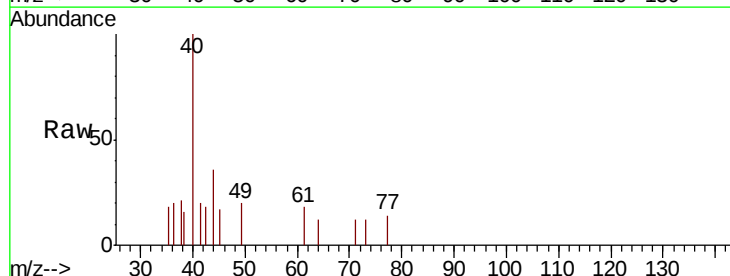
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



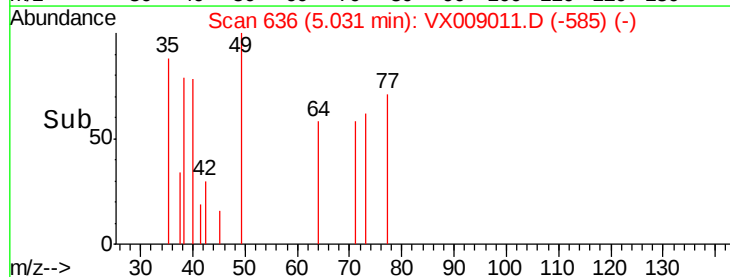
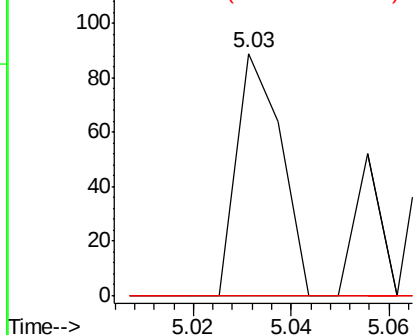
#28

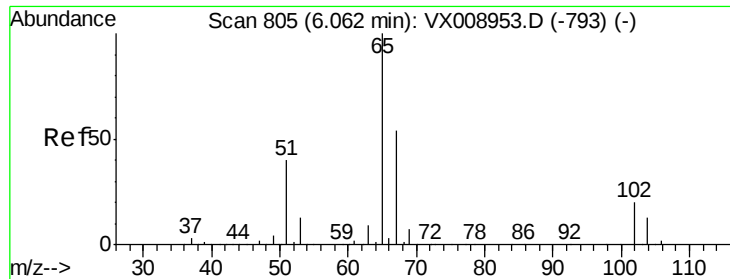
Bromochloromethane
 Concen: Below Cal
 RT: 5.03 min Scan# 636
 Delta R.T. 0.01 min
 Lab File: VX009011.D
 Acq: 17 Apr 2019 13:50

Tgt Ion	49	Resp	56
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: 46.032 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009011.D

Acq: 17 Apr 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

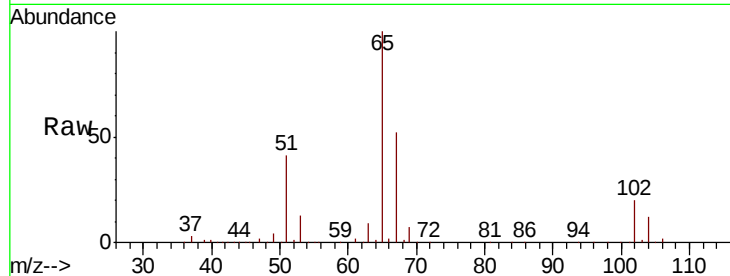
SS040MW318-190410DL

Tot Ion: 65 Resp: 171555

Ion Ratio Lower Upper

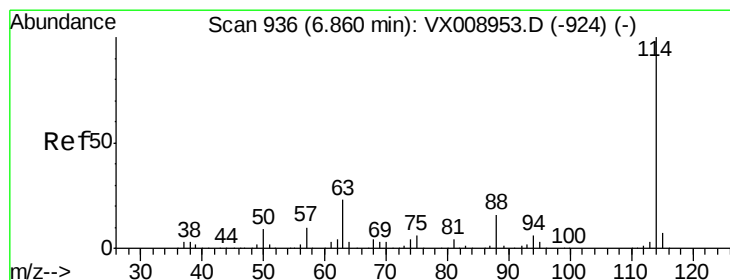
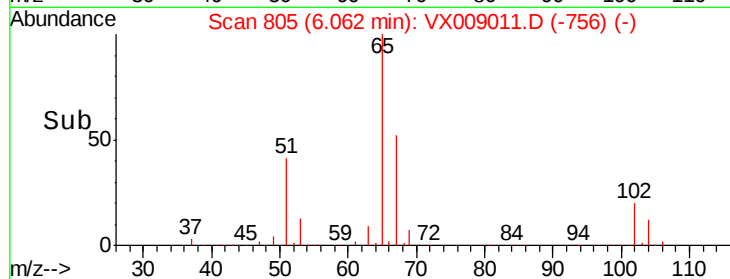
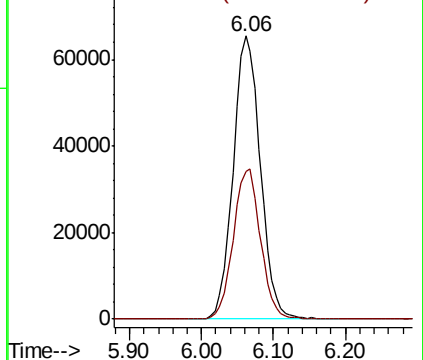
65 100

67 53.1 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: VX009011.D

Acq: 17 Apr 2019 13:50

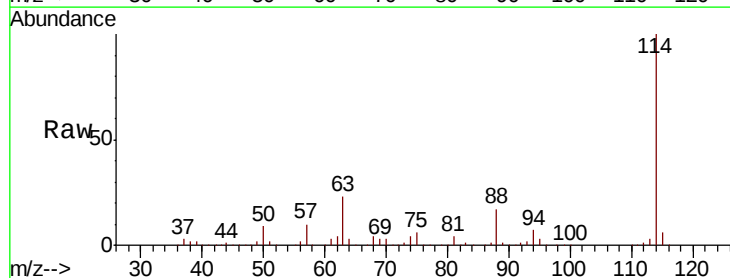
Tgt Ion: 114 Resp: 416327

Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.0

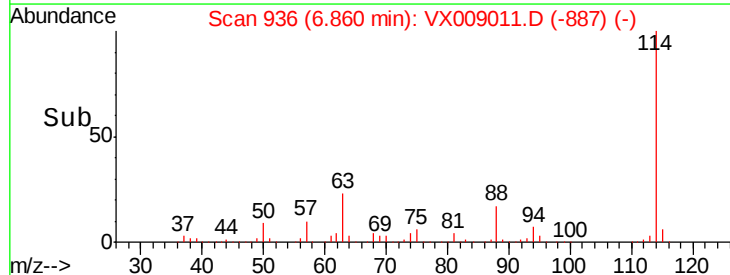
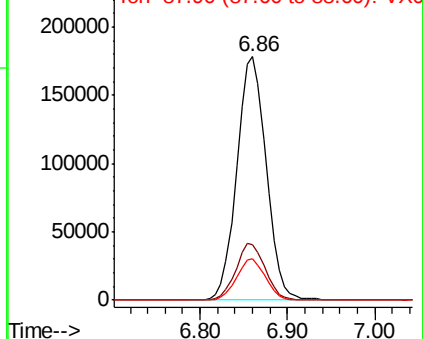
88 16.9 0.0 32.6

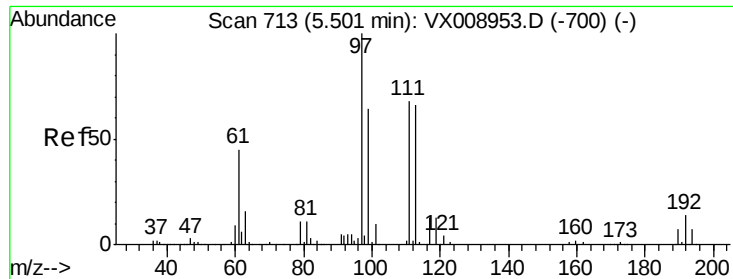


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.902 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009011.D

Acq: 17 Apr 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

SS040MW318-190410DL

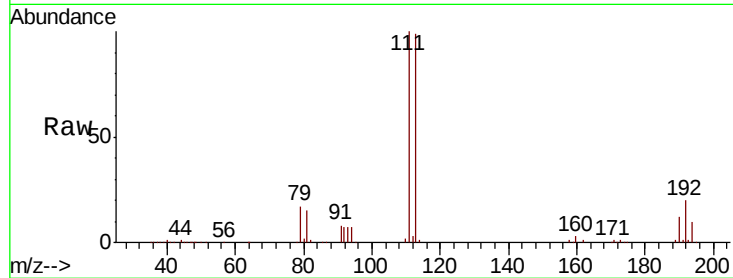
Tot Ion:113 Resp: 125318

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

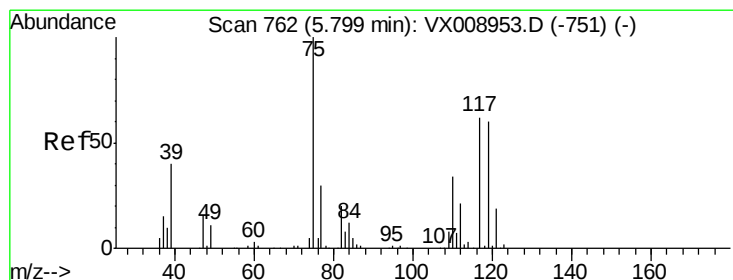
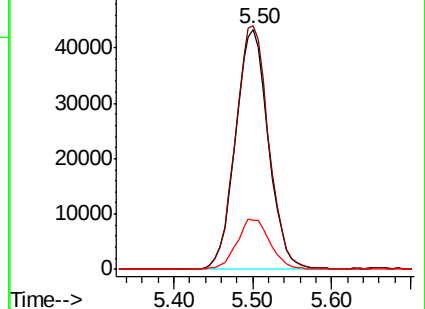
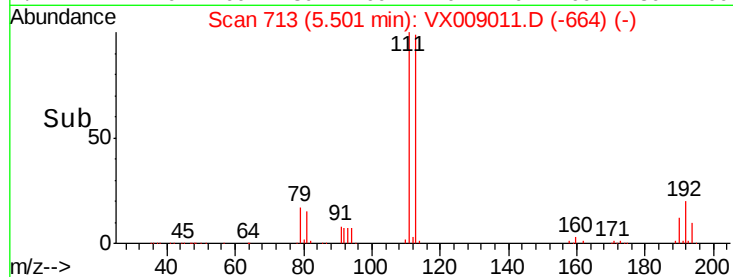
192 21.3 17.4 26.0



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: 4.889 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009011.D

Acq: 17 Apr 2019 13:50

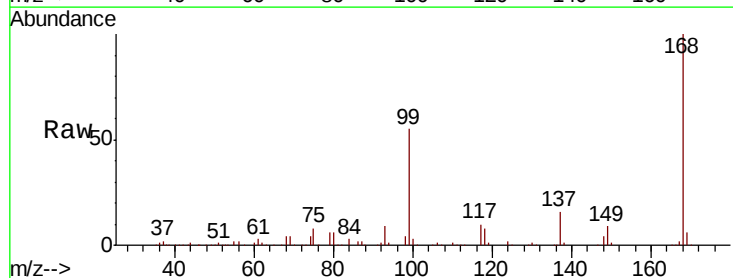
Tgt Ion: 75 Resp: 21051

Ion Ratio Lower Upper

75 100

110 8.0 16.9 50.7#

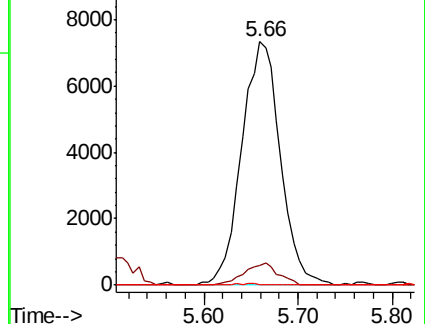
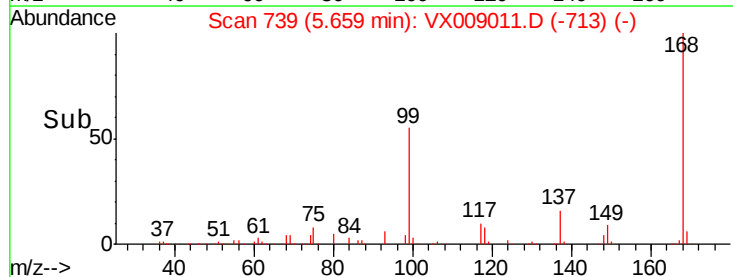
77 0.3 25.0 37.4#

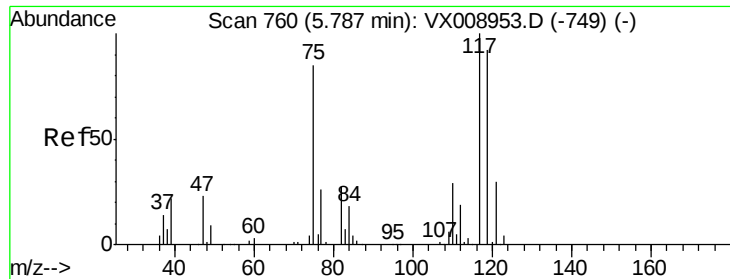


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.855 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009011.D

Acq: 17 Apr 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

SS040MW318-190410DL

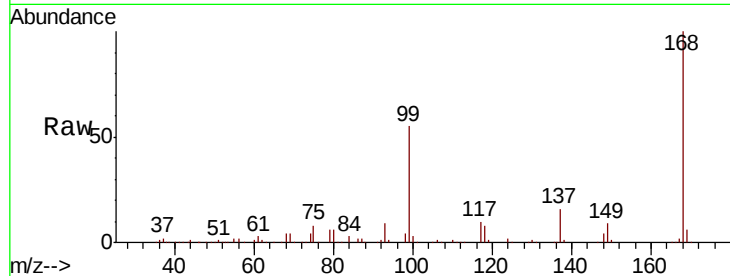
Tot Ion:117 Resp: 25024

Ion Ratio Lower Upper

117 100

119 5.4 73.8 110.8#

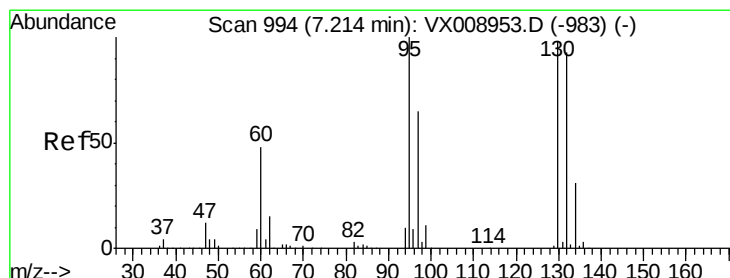
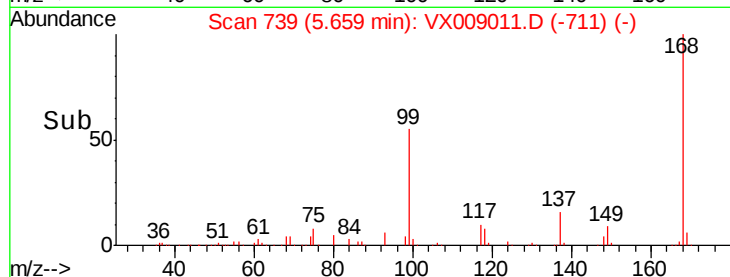
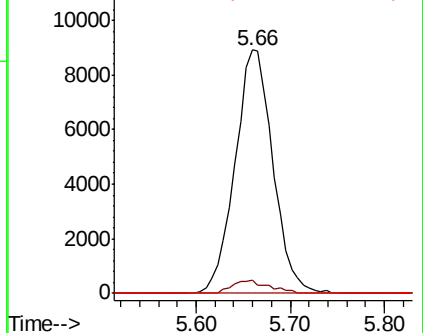
121 0.0 23.6 35.4#



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: 8.781 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009011.D

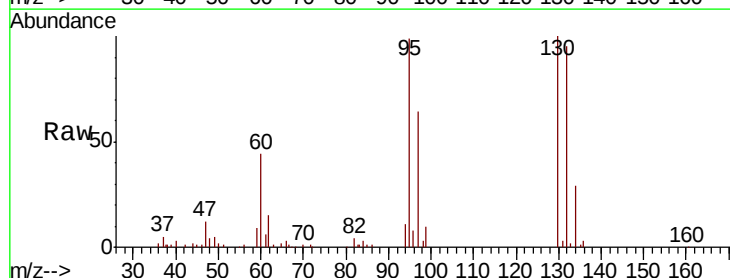
Acq: 17 Apr 2019 13:50

Tgt Ion:130 Resp: 27329

Ion Ratio Lower Upper

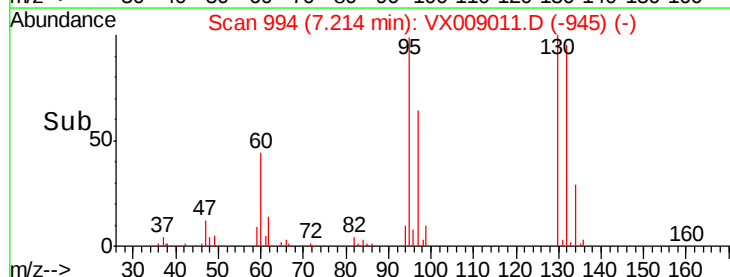
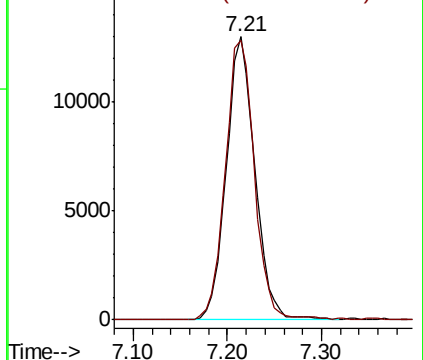
130 100

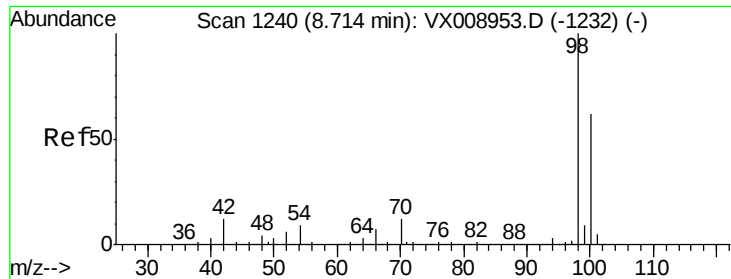
95 98.6 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

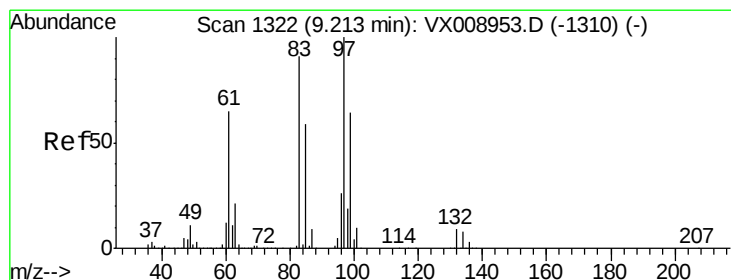
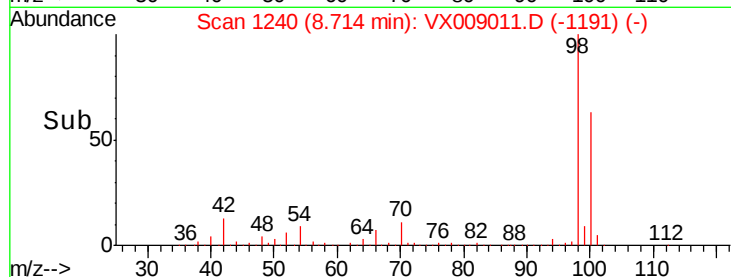
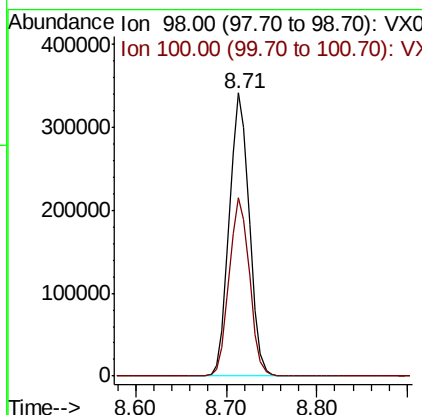
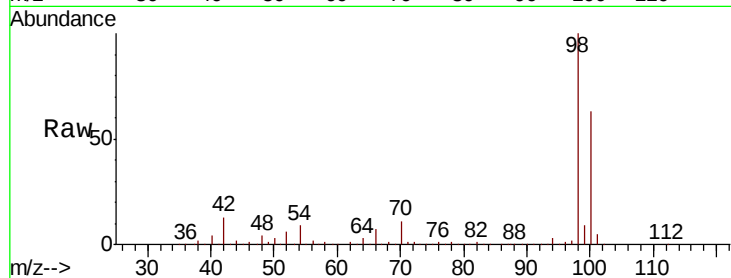




#50
Toluene-d8
Concen: 49.152 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009011.D
Acq: 17 Apr 2019 13:50

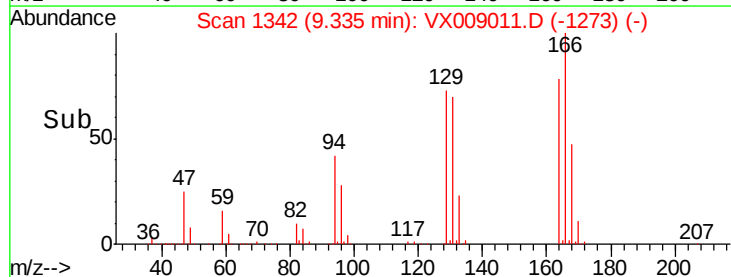
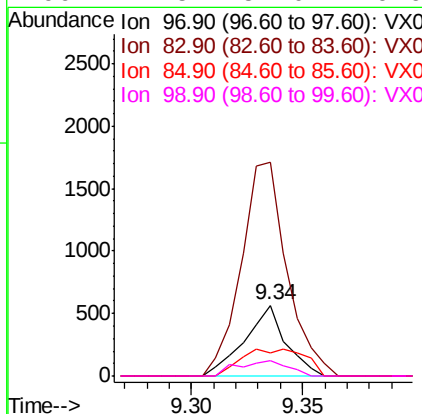
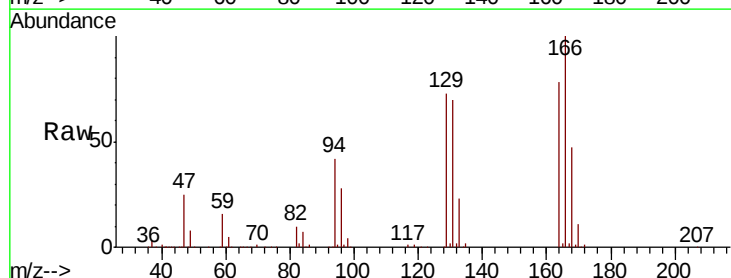
Instrument :
MSVOA_X
ClientSampleId :
SS040MW318-190410DL

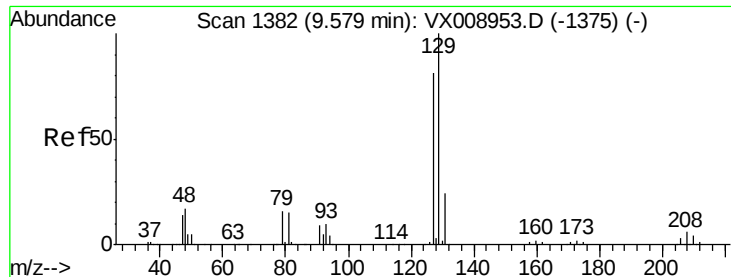
Tot Ion: 98 Resp: 523747
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.2



#55
1,1,2-Trichloroethane
Concen: 0.241 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.12 min
Lab File: VX009011.D
Acq: 17 Apr 2019 13:50

Tgt Ion: 97 Resp: 727
Ion Ratio Lower Upper
97 100
83 301.6 72.6 108.8#
85 31.9 46.9 70.3#
99 21.5 51.0 76.6#

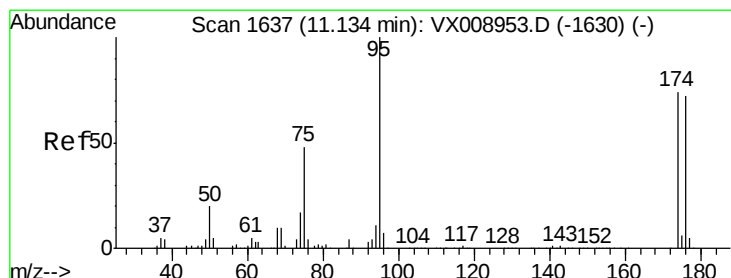
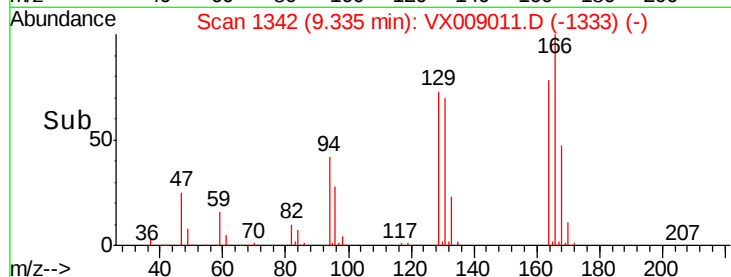
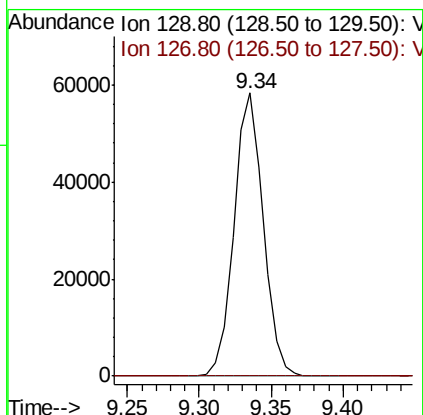
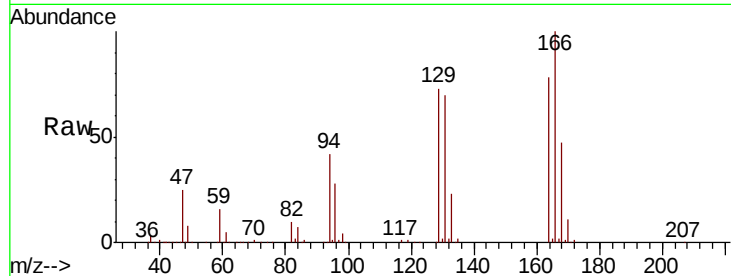




#60
 Dibromochloromethane
 Concen: 28.551 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009011.D
 Acq: 17 Apr 2019 13:50

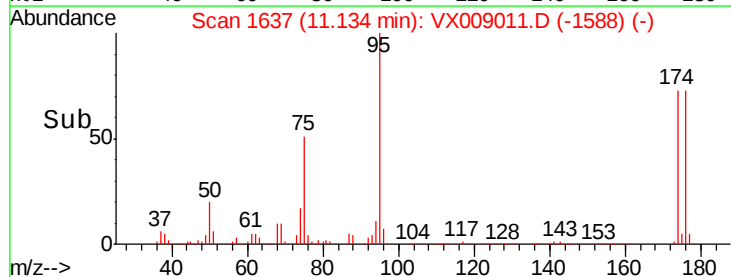
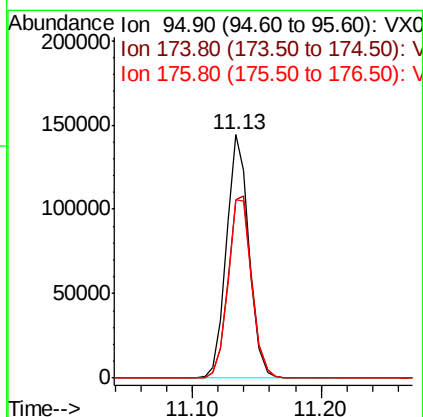
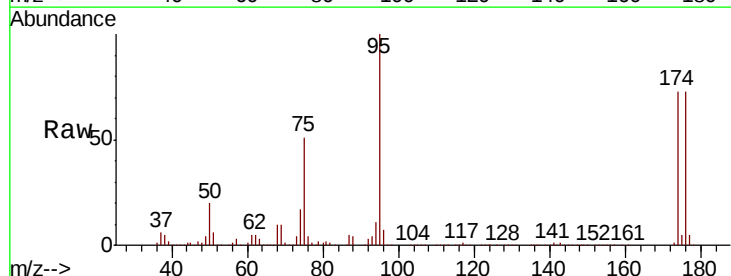
Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW318-190410DL

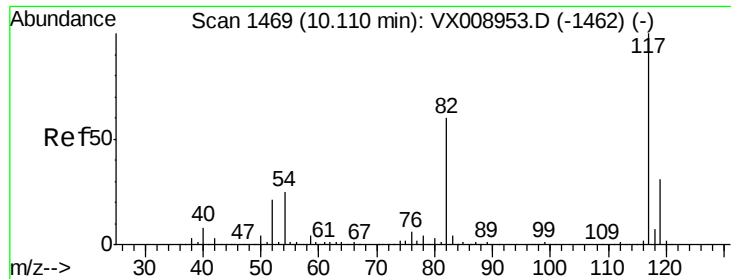
Tot Ion:129 Resp: 82558
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.1 117.2#



#62
 4-Bromofluorobenzene
 Concen: 47.202 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009011.D
 Acq: 17 Apr 2019 13:50

Tgt Ion: 95 Resp: 177547
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 159.6
 176 77.1 0.0 154.8

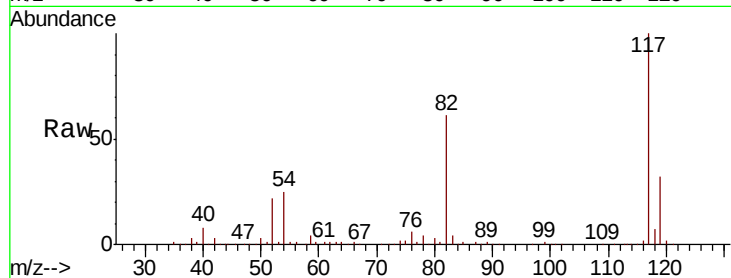




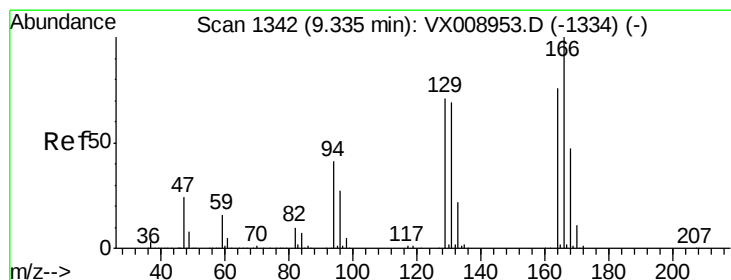
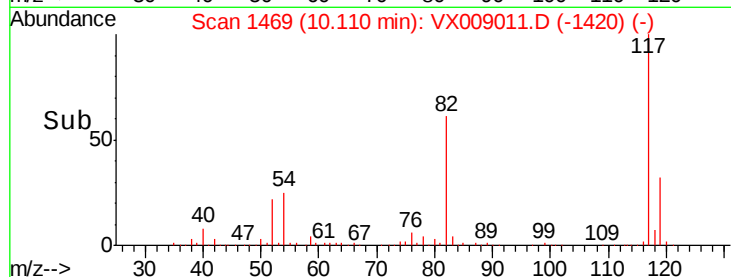
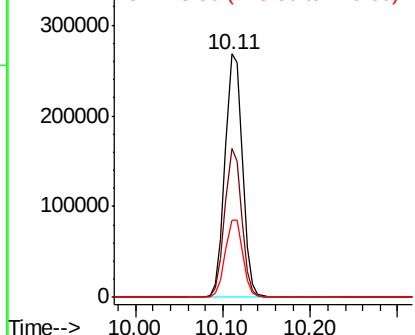
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009011.D
Acq: 17 Apr 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
SS040MW318-190410DL

Tot Ion:117 Resp: 368945
Ion Ratio Lower Upper
117 100
82 61.0 48.2 72.4
119 31.8 25.0 37.6



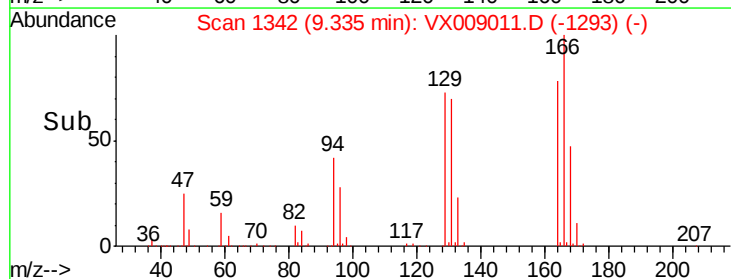
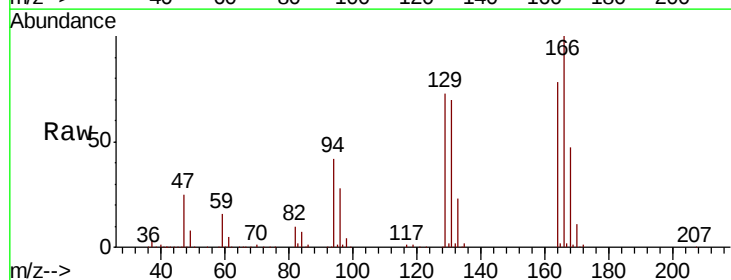
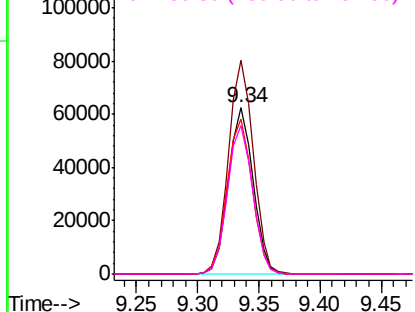
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

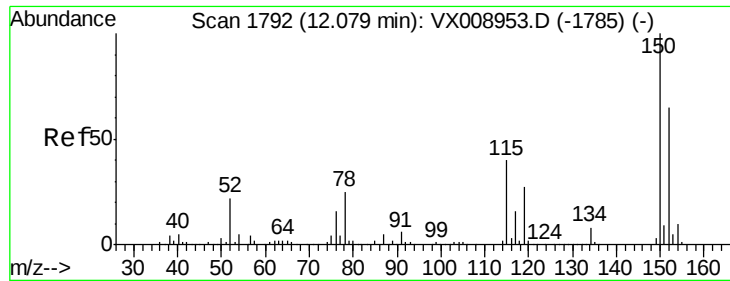


#64
Tetrachloroethene
Concen: 31.027 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009011.D
Acq: 17 Apr 2019 13:50

Tgt Ion:164 Resp: 86963
Ion Ratio Lower Upper
164 100
166 128.6 105.0 157.4
129 93.4 74.2 111.4
131 89.4 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



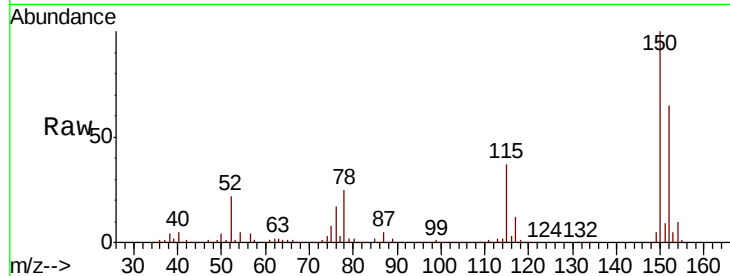


#72

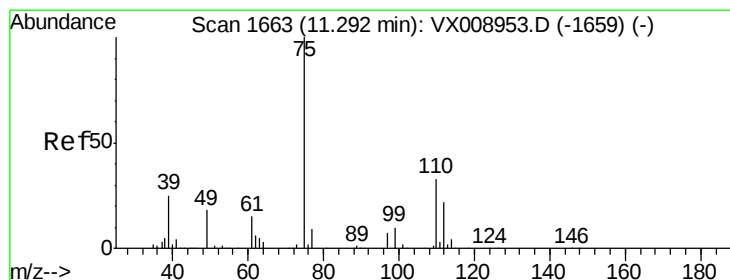
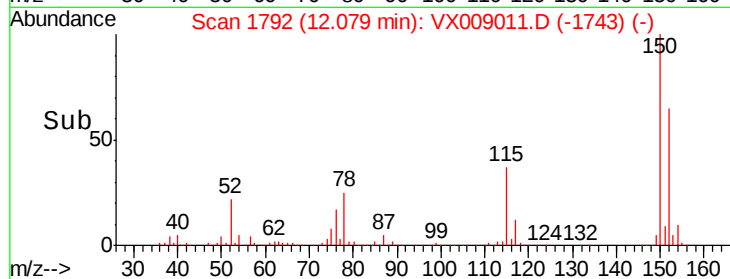
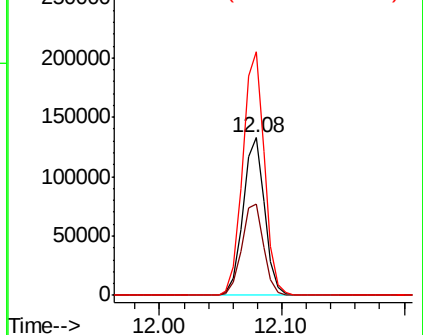
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009011.D
Acq: 17 Apr 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
SS040MW318-190410DL

Tot Ion:152 Resp: 160228
Ion Ratio Lower Upper
152 100
115 58.9 41.4 124.2
150 155.8 0.0 349.8



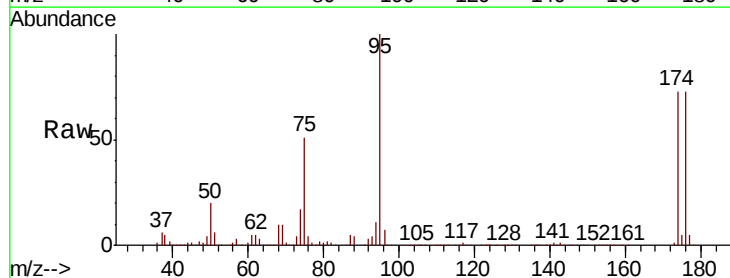
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



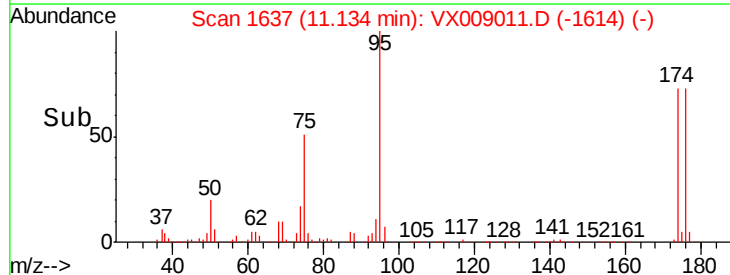
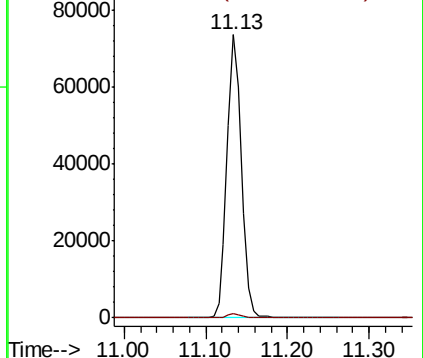
#76

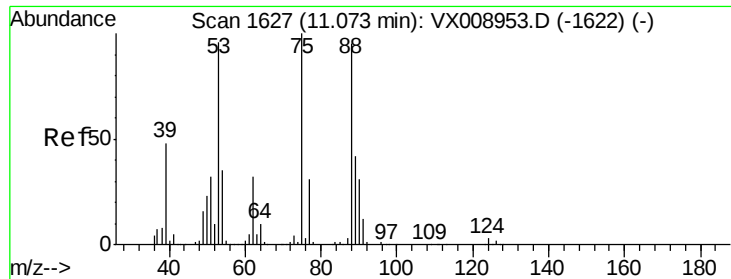
1,2,3-Trichloropropane
Concen: 23.078 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009011.D
Acq: 17 Apr 2019 13:50

Tgt Ion: 75 Resp: 90293
Ion Ratio Lower Upper
75 100
77 1.4 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: 59.249 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009011.D

Acq: 17 Apr 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

SS040MW318-190410DL

Tot Ion: 75 Resp: 90293

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#

