

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009638.D
 Acq On : 17 May 2019 04:04
 Operator : JC/SP
 Sample : K2887-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW098-190514

Quant Time: May 17 06:45:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	173172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	280164	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106946	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	117083	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	5.50	113	85566	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	8.71	98	350570	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.13	95	117770	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	

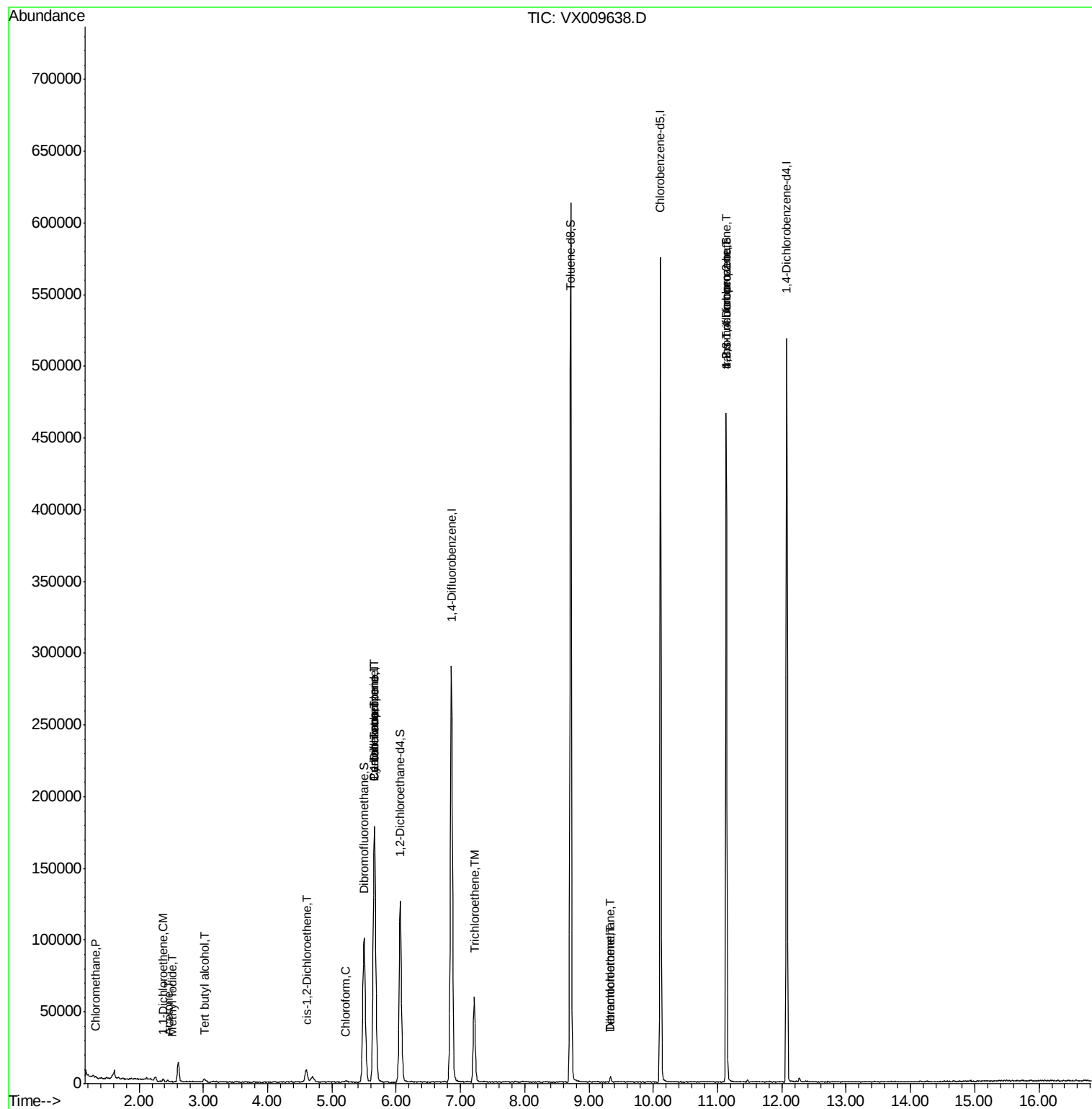
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	717	0.329	ug/l	100
10) Methyl Iodide	2.51	142	25	4.606	ug/l #	42
11) Tert butyl alcohol	3.02	59	1391	2.542	ug/l #	76
12) 1,1-Dichloroethene	2.37	96	568	0.350	ug/l	90
16) Acetone	2.45	43	1286	1.013	ug/l #	87
27) cis-1,2-Dichloroethene	4.60	96	5320	2.529	ug/l	87
28) Bromochloromethane	5.01	49	74	Below Cal	#	20
30) Chloroform	5.21	83	827	0.243	ug/l	87
31) Cyclohexane	5.66	56	3706	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13918	5.346	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16302	6.891	ug/l #	16
44) Trichloroethene	7.21	130	22722	11.664	ug/l	98
60) Dibromochloromethane	9.34	129	695	0.356	ug/l #	11
64) Tetrachloroethene	9.34	164	651	0.380	ug/l #	84
76) 1,2,3-Trichloropropane	11.13	75	59643	24.042	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59643	61.515	ug/l #	10

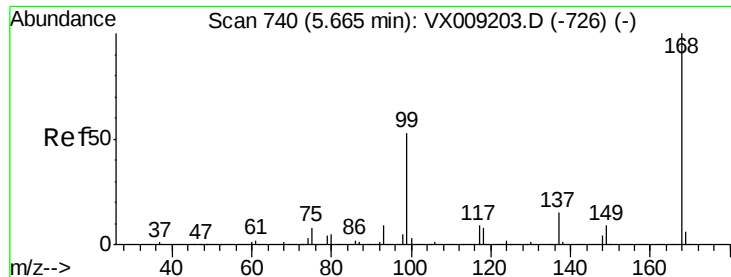
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 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: VX009638.D

Acq: 17 May 2019 04:04

Instrument :

MSVOA_X

ClientSampleId :

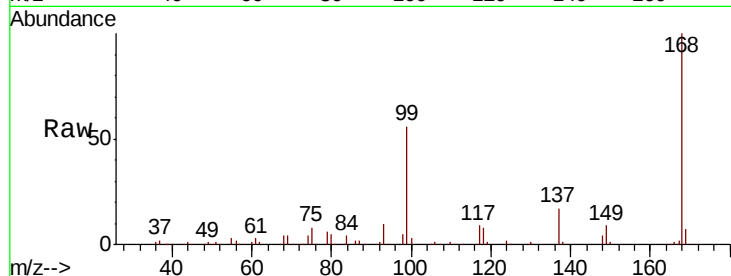
SS052MW098-190514

Tot Ion:168 Resp: 173172

Ion Ratio Lower Upper

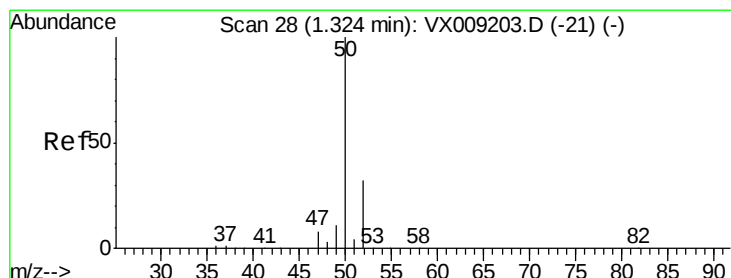
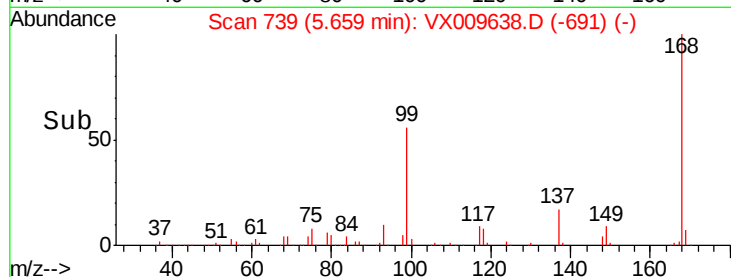
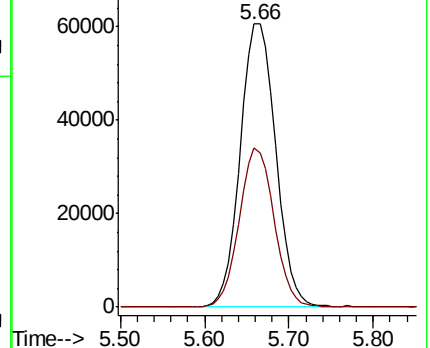
168 100

99 56.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.329 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009638.D

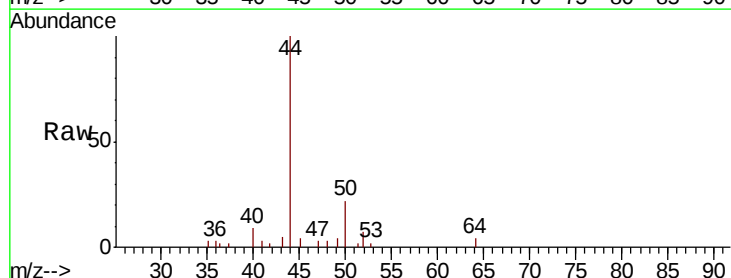
Acq: 17 May 2019 04:04

Tgt Ion: 50 Resp: 717

Ion Ratio Lower Upper

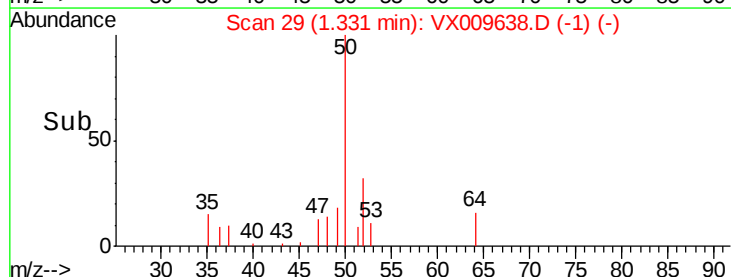
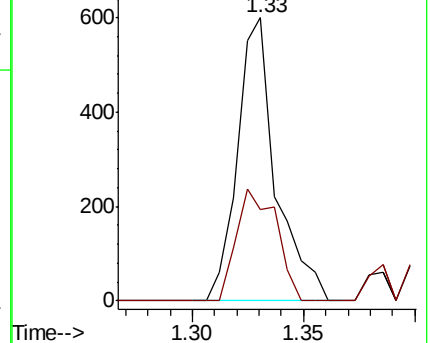
50 100

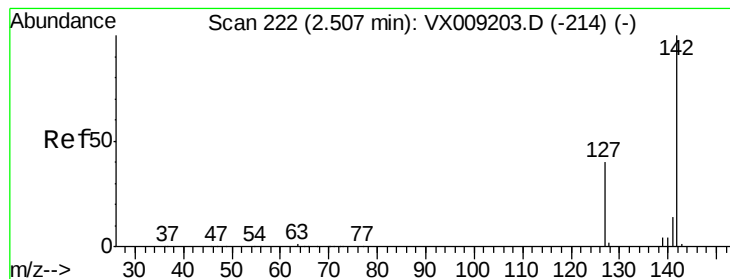
52 32.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

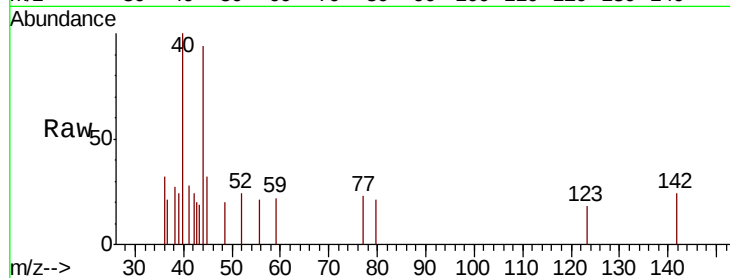




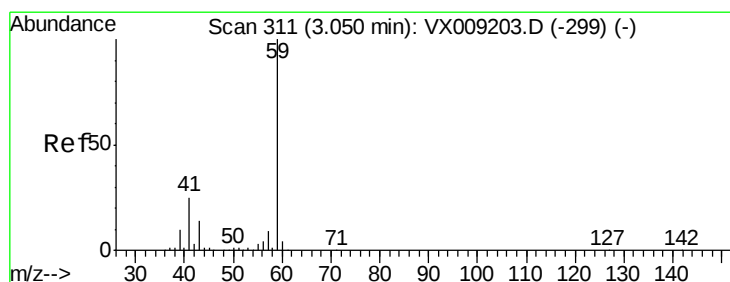
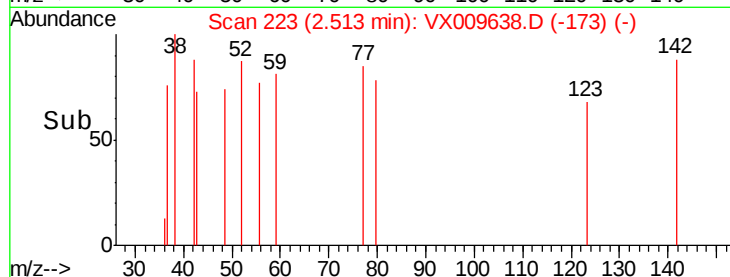
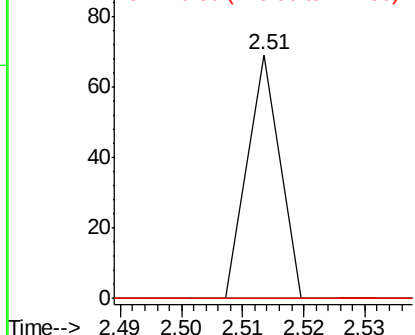
#10
Methyl Iodide
Concen: 4.606 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009638.D
Acq: 17 May 2019 04:04

Instrument :
MSVOA_X
ClientSampleId :
SS052MW098-190514

Tot Ion:142 Resp: 25
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

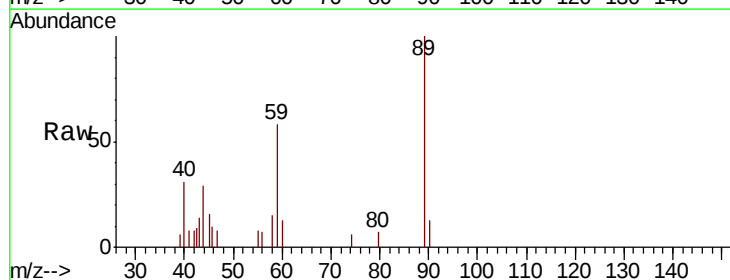


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

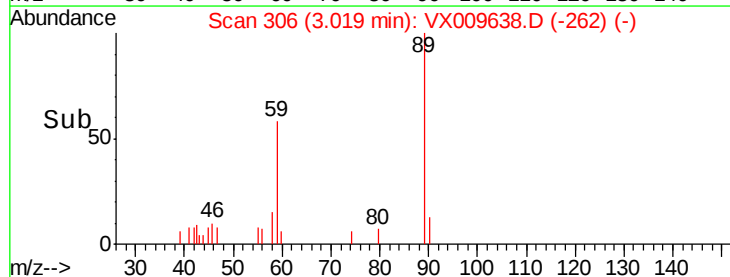
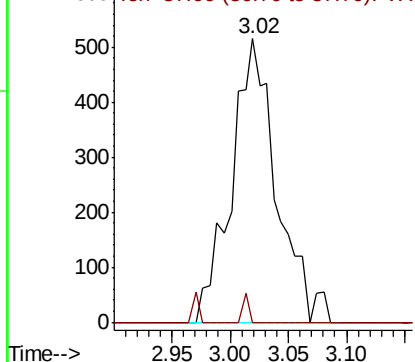


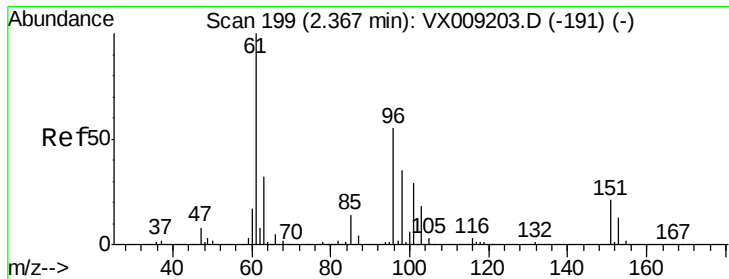
#11
Tert butyl alcohol
Concen: 2.542 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009638.D
Acq: 17 May 2019 04:04

Tgt Ion: 59 Resp: 1391
Ion Ratio Lower Upper
59 100
57 1.4 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.350 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX009638.D

Acq: 17 May 2019 04:04

Instrument :

MSVOA_X

ClientSampleId :

SS052MW098-190514

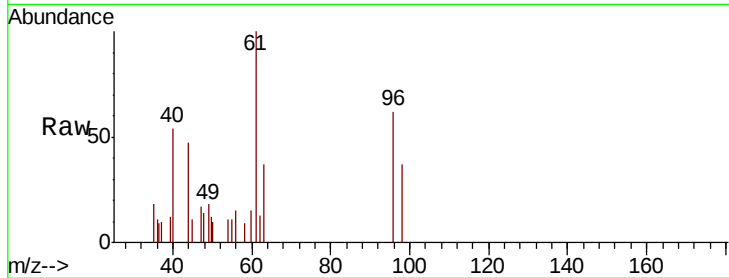
Tot Ion: 96 Resp: 568

Ion Ratio Lower Upper

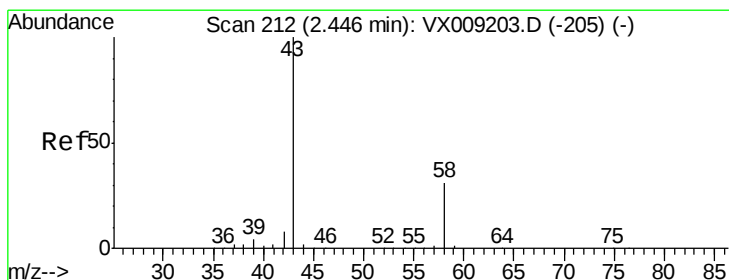
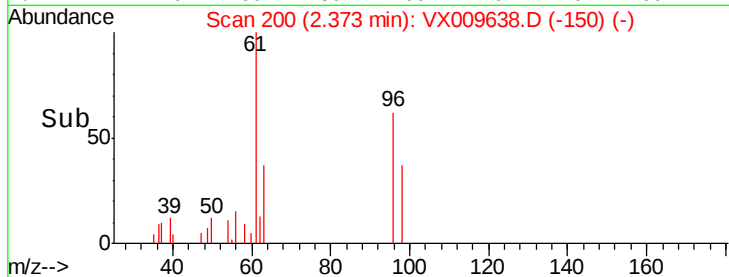
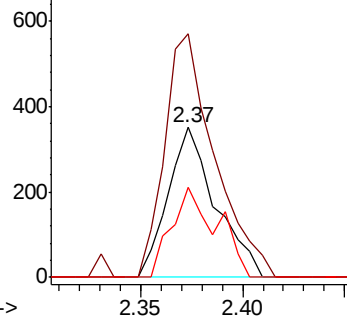
96 100

61 162.2 144.3 216.5

98 60.2 50.3 75.5



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



#16

Acetone

Concen: 1.013 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009638.D

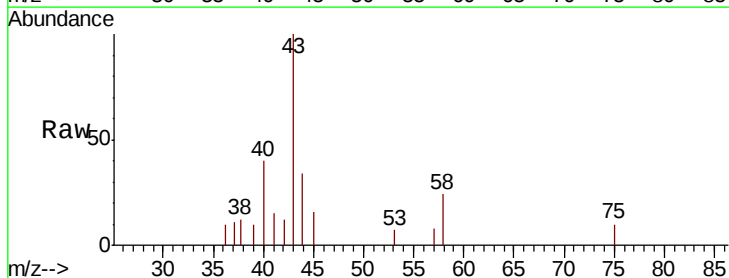
Acq: 17 May 2019 04:04

Tgt Ion: 43 Resp: 1286

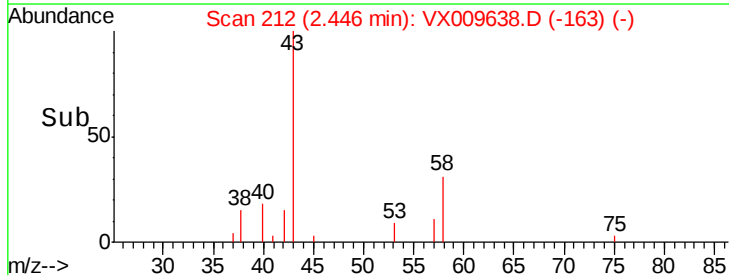
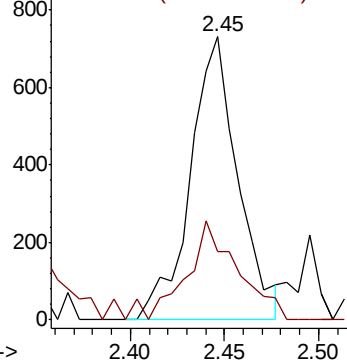
Ion Ratio Lower Upper

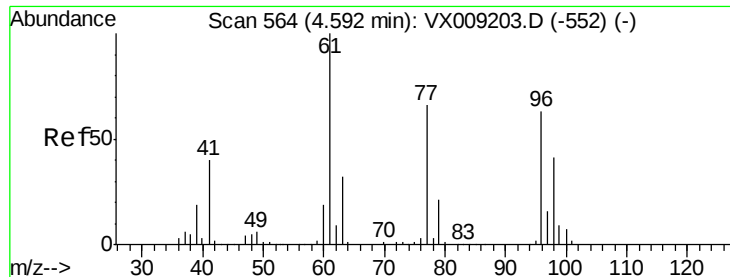
43 100

58 24.1 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



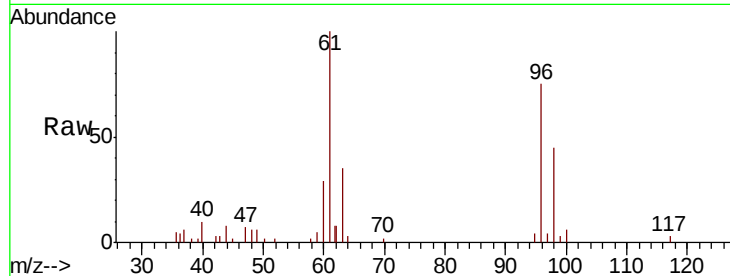


#27

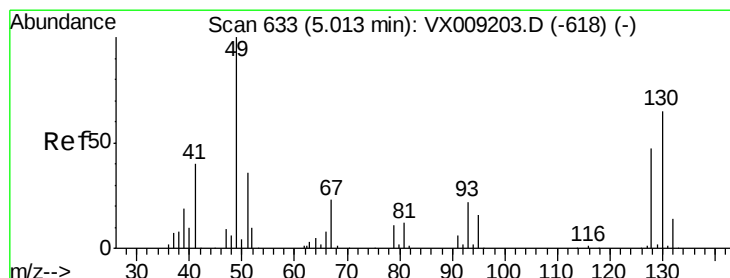
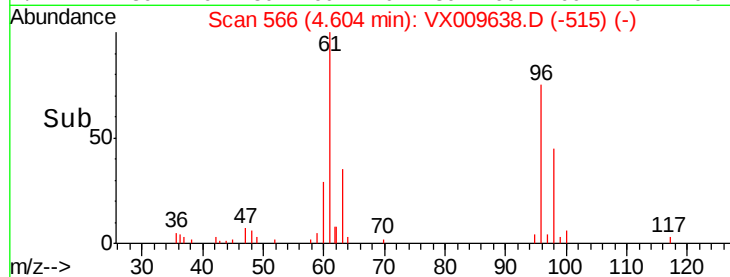
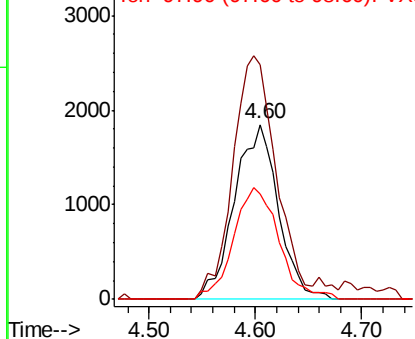
cis-1,2-Dichloroethene
Concen: 2.529 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX009638.D
Acq: 17 May 2019 04:04

Instrument :
MSVOA_X
ClientSampleId :
SS052MW098-190514

Tot Ion: 96 Resp: 5320
Ion Ratio Lower Upper
96 100
61 138.1 0.0 324.0
98 66.6 0.0 130.4



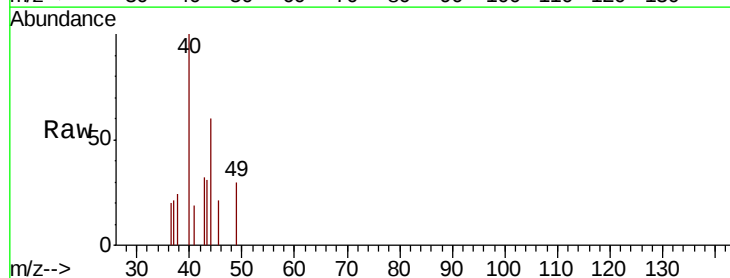
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



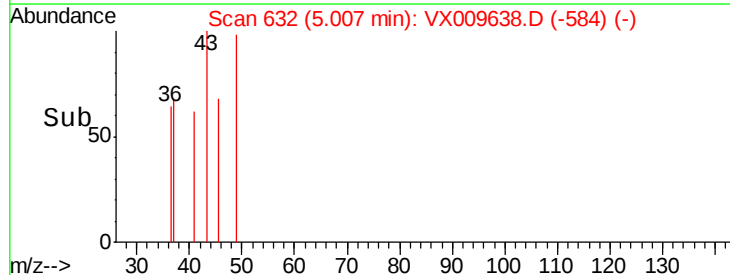
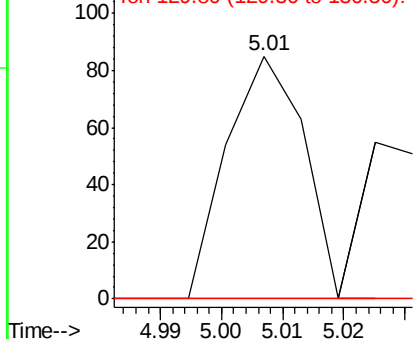
#28

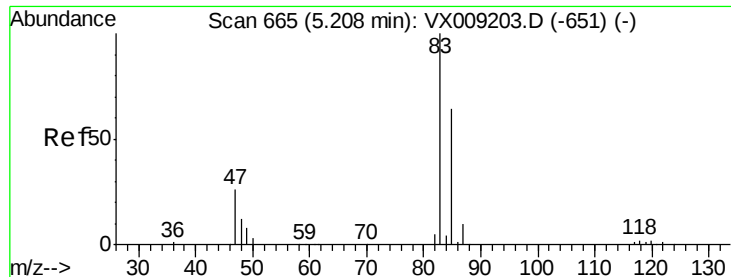
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX009638.D
Acq: 17 May 2019 04:04

Tgt Ion: 49 Resp: 74
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#



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

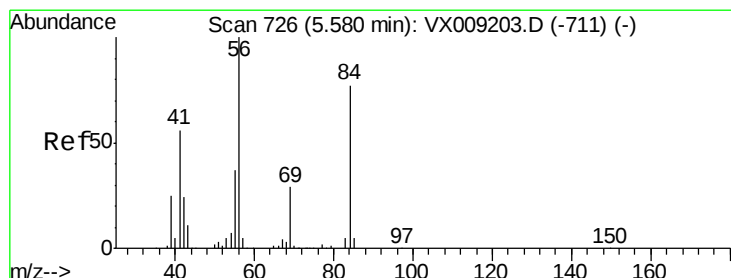
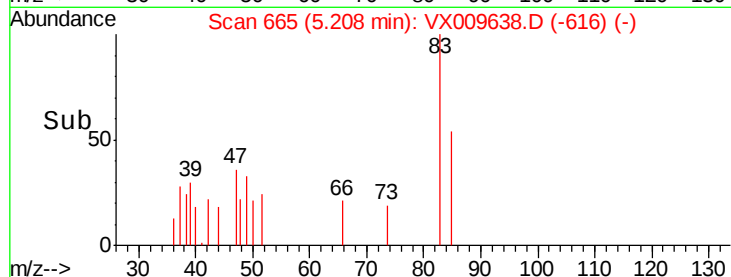
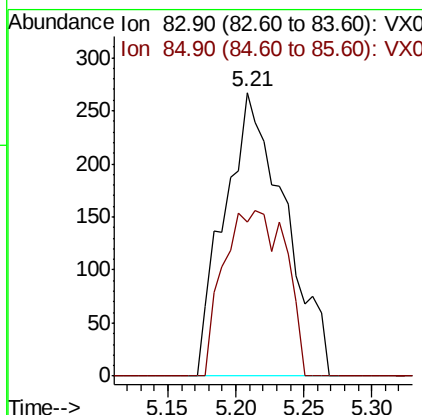
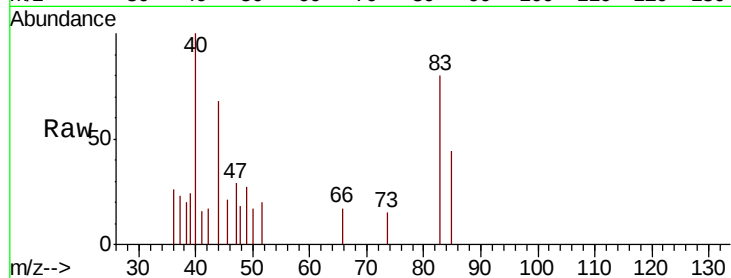




#30
Chloroform
Concen: 0.243 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009638.D
Acq: 17 May 2019 04:04

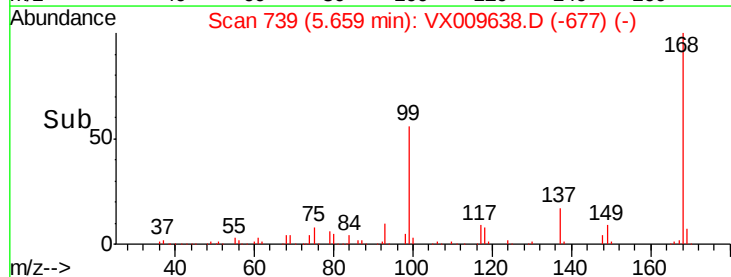
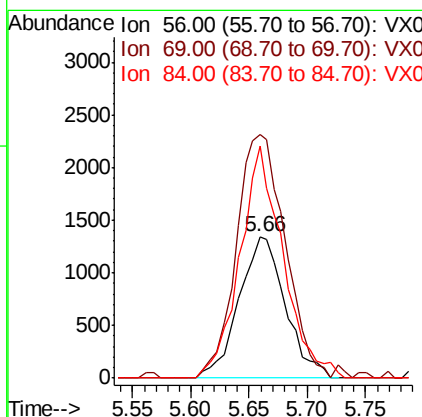
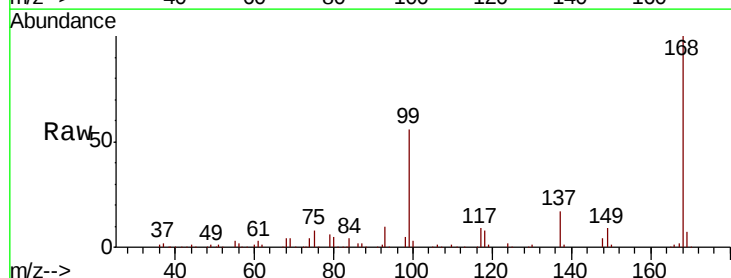
Instrument :
MSVOA_X
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SS052MW098-190514

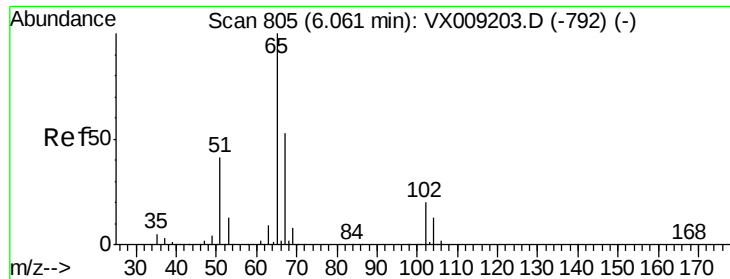
Tot Ion: 83 Resp: 827
Ion Ratio Lower Upper
83 100
85 54.3 51.5 77.3



#31
Cyclohexane
Concen: 1.060 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009638.D
Acq: 17 May 2019 04:04

Tgt Ion: 56 Resp: 3706
Ion Ratio Lower Upper
56 100
69 172.4 23.4 35.0#
84 164.3 61.9 92.9#





#33

1,2-Dichloroethane-d4

Concen: 49.527 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009638.D

Acq: 17 May 2019 04:04

Instrument :

MSVOA_X

ClientSampleId :

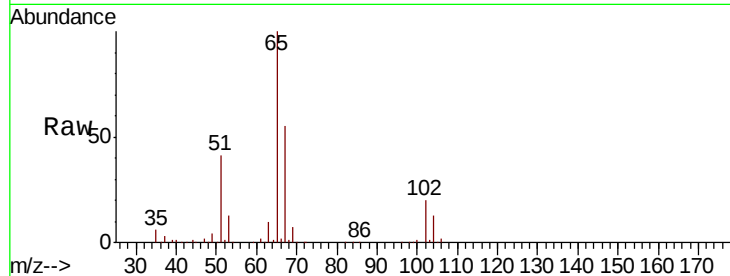
SS052MW098-190514

Tot Ion: 65 Resp: 117083

Ion Ratio Lower Upper

65 100

67 53.9 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

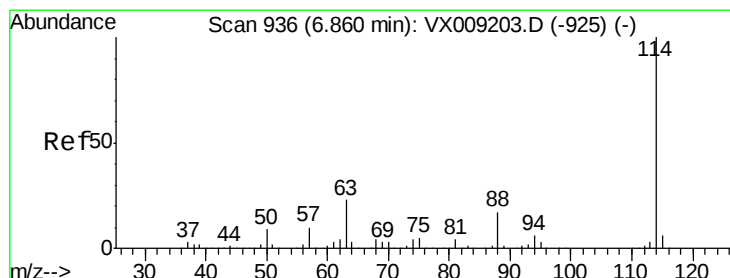
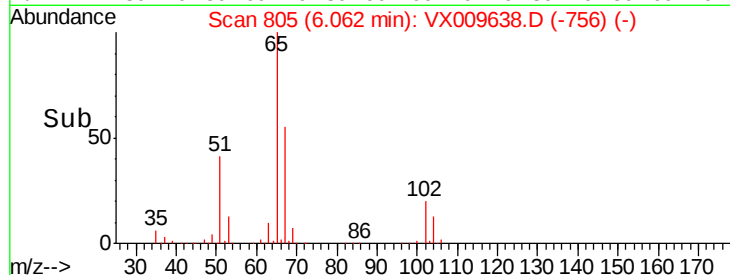
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009638.D

Acq: 17 May 2019 04:04

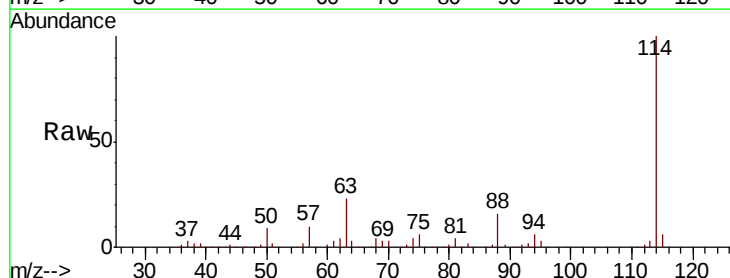
Tgt Ion: 114 Resp: 280164

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

88 16.2 0.0 33.2



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

150000

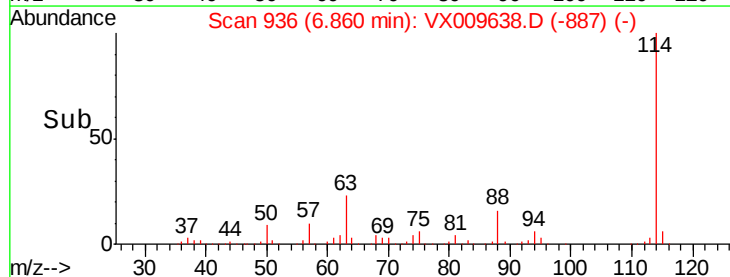
100000

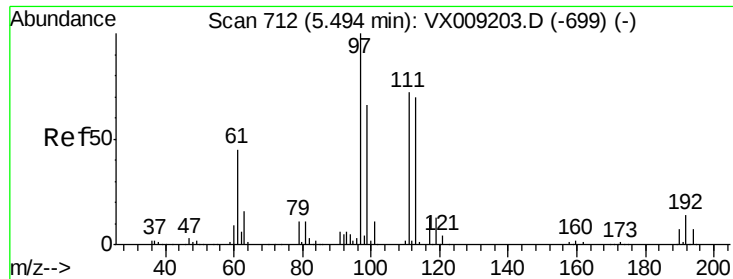
50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 48.583 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009638.D

Acq: 17 May 2019 04:04

Instrument :

MSVOA_X

ClientSampleId :

SS052MW098-190514

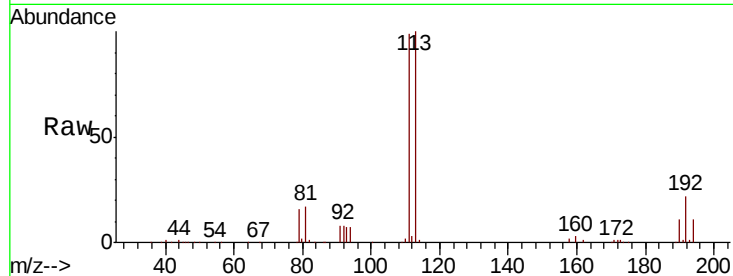
Tot Ion:113 Resp: 85566

Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

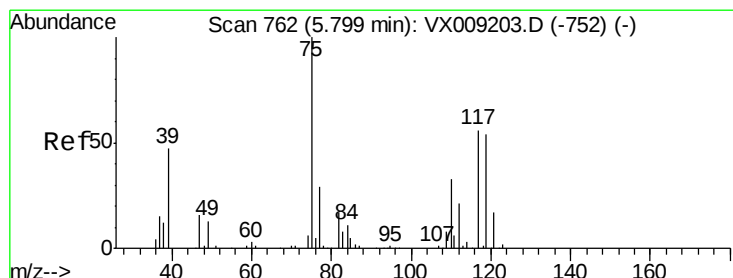
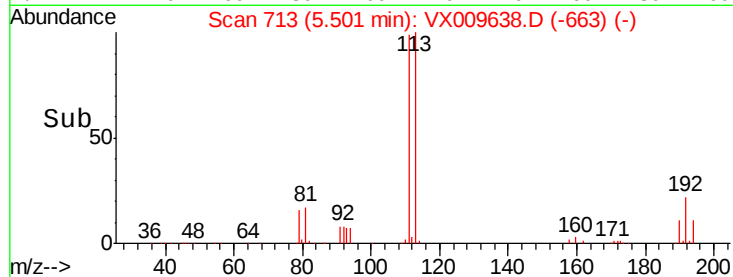
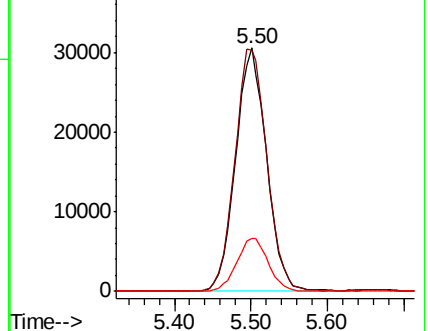
192 22.2 17.0 25.6



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: 5.346 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009638.D

Acq: 17 May 2019 04:04

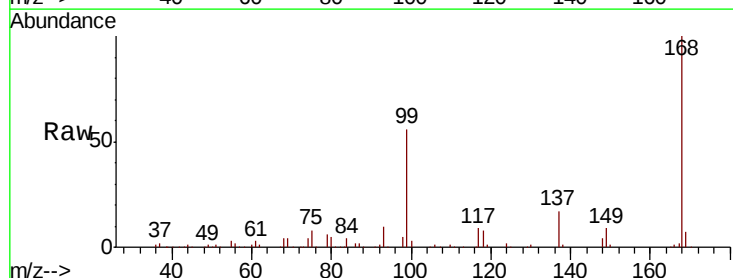
Tgt Ion: 75 Resp: 13918

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.6#

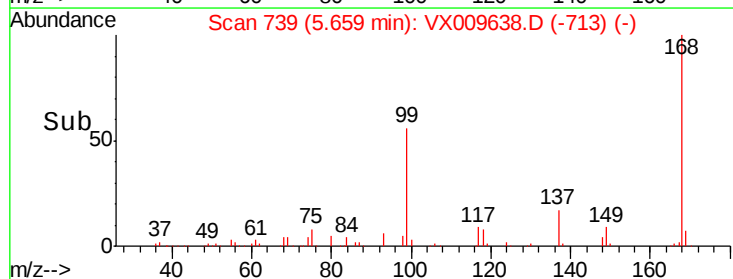
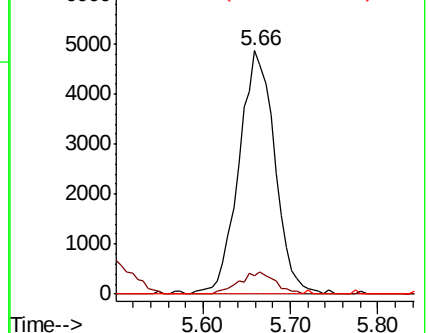
77 0.0 24.8 37.2#

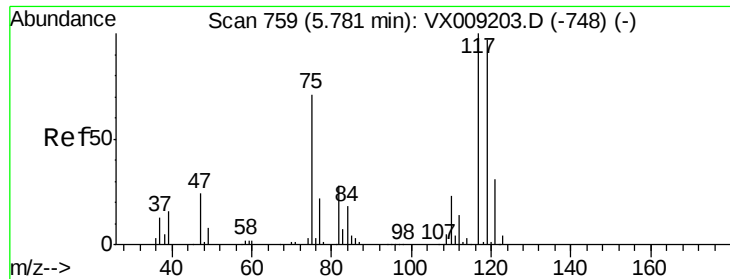


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

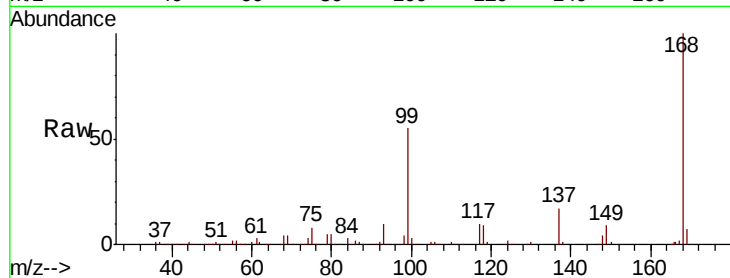




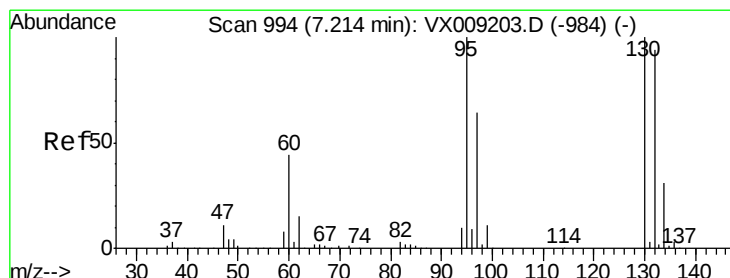
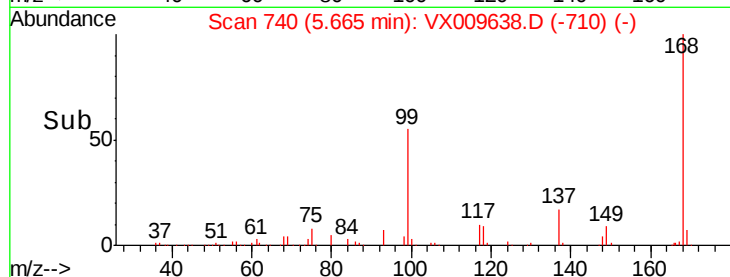
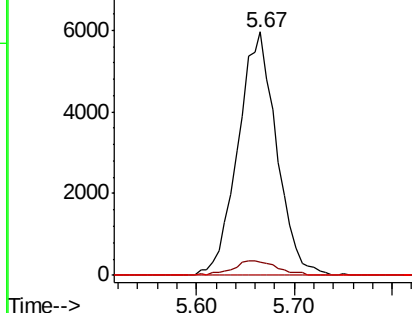
#38
Carbon Tetrachloride
Concen: 6.891 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009638.D
Acq: 17 May 2019 04:04

Instrument :
MSVOA_X
ClientSampleId :
SS052MW098-190514

Tot Ion:117 Resp: 16302
Ion Ratio Lower Upper
117 100
119 5.4 77.5 116.3#
121 0.0 24.7 37.1#

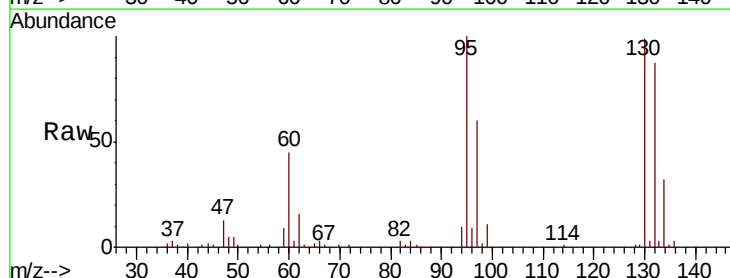


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

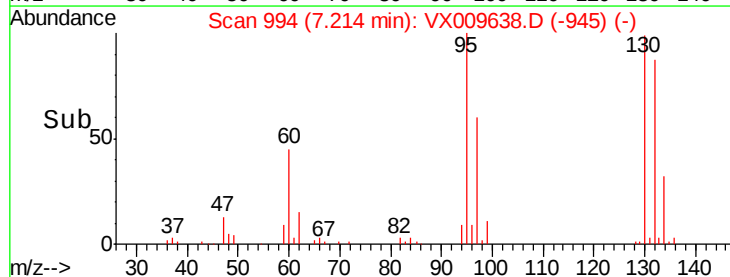
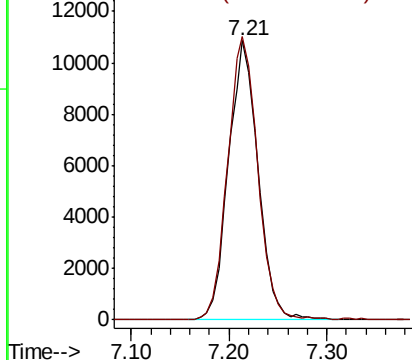


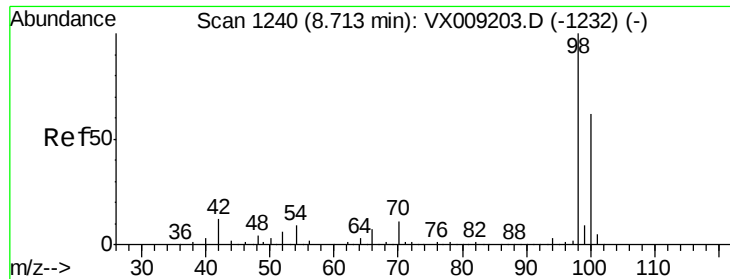
#44
Trichloroethene
Concen: 11.664 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009638.D
Acq: 17 May 2019 04:04

Tgt Ion:130 Resp: 22722
Ion Ratio Lower Upper
130 100
95 101.4 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

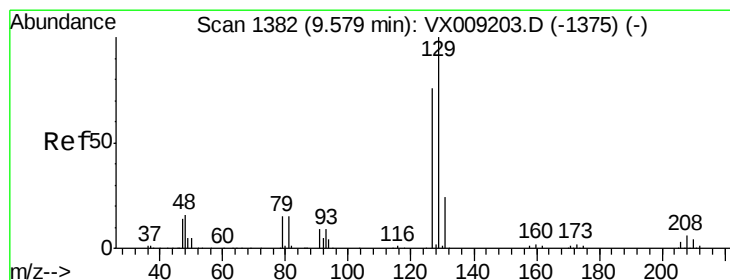
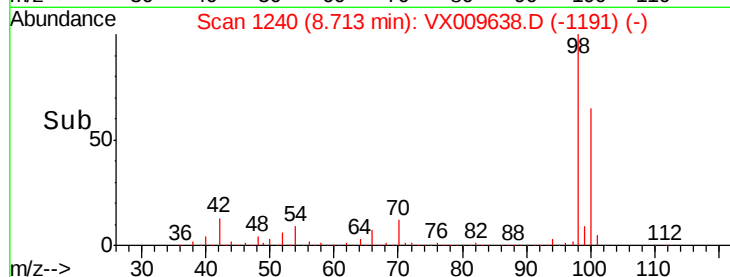
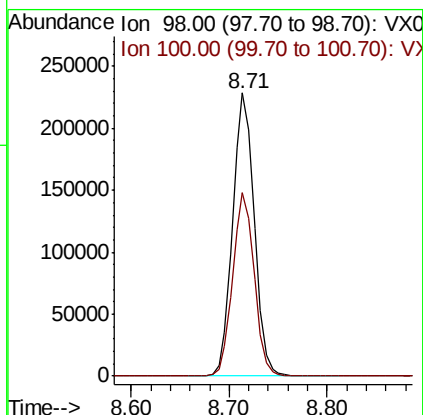
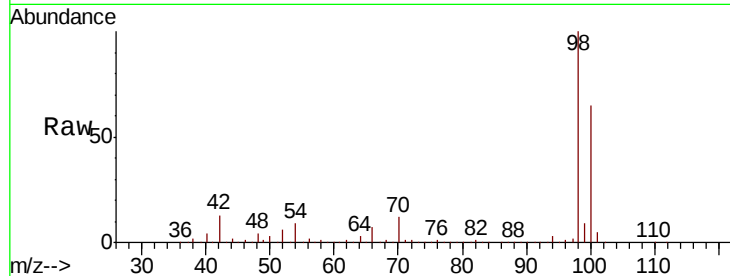




#50
Toluene-d8
Concen: 49.303 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009638.D
Acq: 17 May 2019 04:04

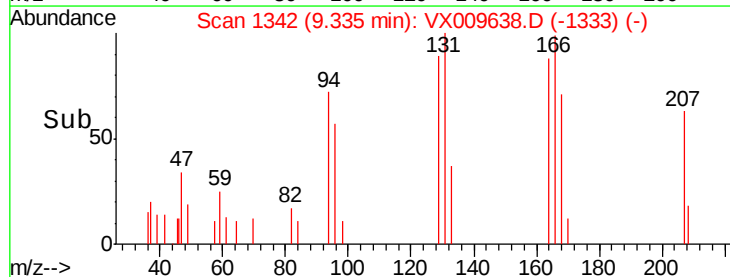
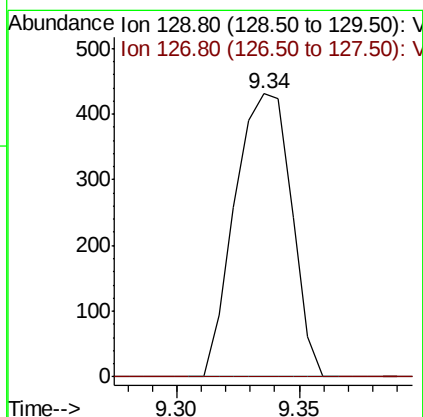
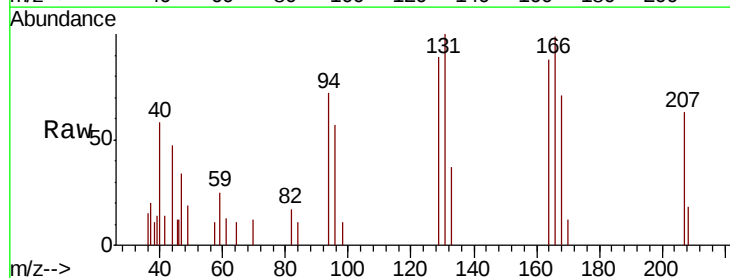
Instrument :
MSVOA_X
ClientSampleId :
SS052MW098-190514

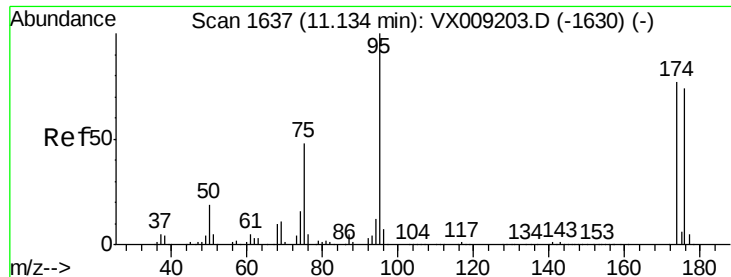
Tot Ion: 98 Resp: 350570
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



#60
Dibromochloromethane
Concen: 0.356 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX009638.D
Acq: 17 May 2019 04:04

Tgt Ion: 129 Resp: 695
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 45.582 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009638.D

Acq: 17 May 2019 04:04

Instrument :

MSVOA_X

ClientSampleId :

SS052MW098-190514

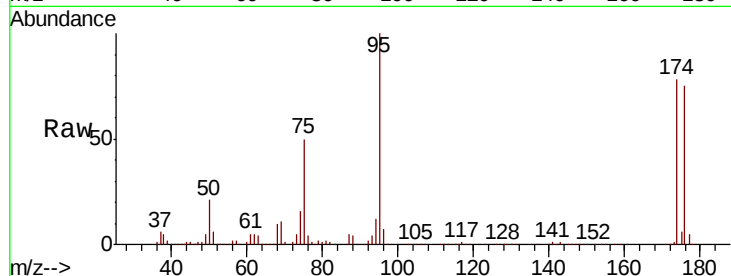
Tot Ion: 95 Resp: 117770

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

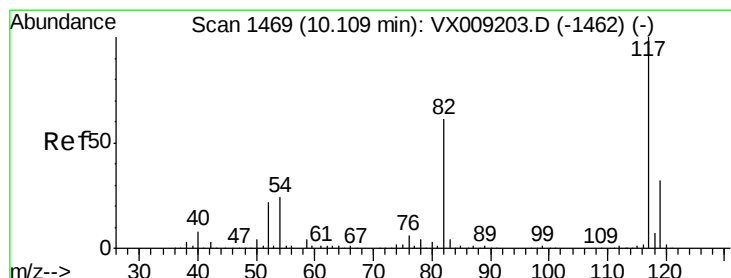
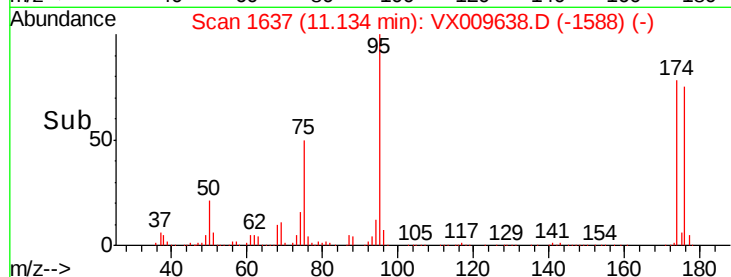
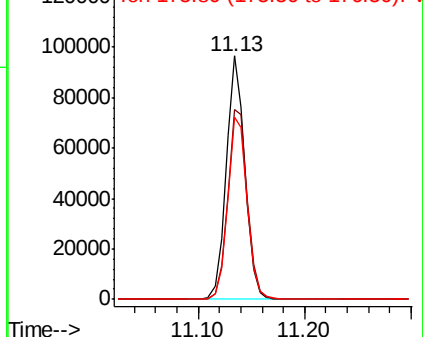
176 78.4 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009638.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009638.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009638.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009638.D

Acq: 17 May 2019 04:04

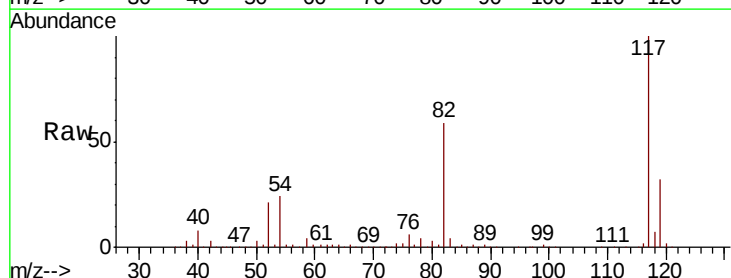
Tgt Ion: 117 Resp: 249467

Ion Ratio Lower Upper

117 100

82 58.8 48.8 73.2

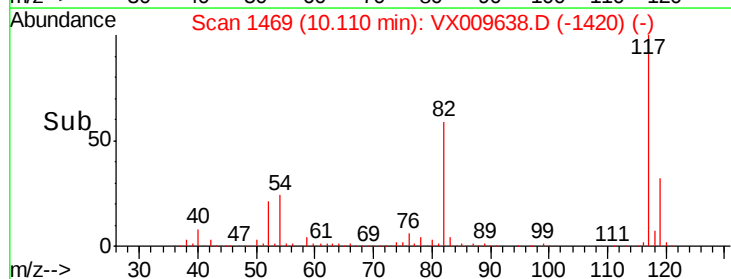
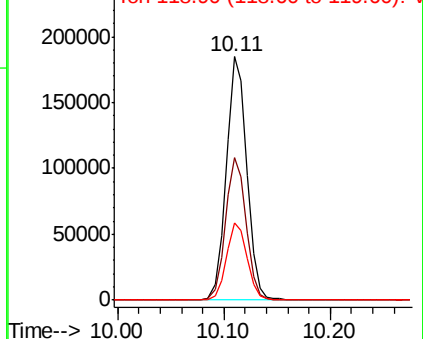
119 31.7 25.8 38.6

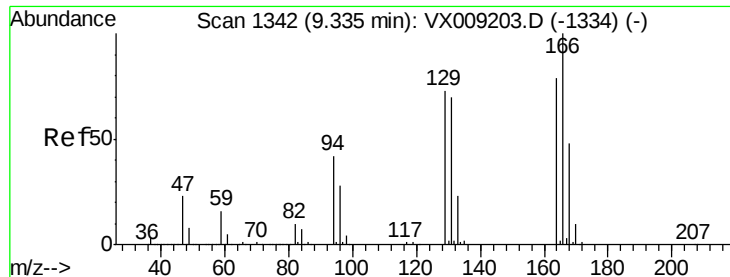


Abundance Ion 116.90 (116.60 to 117.60): VX009638.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009638.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009638.D (-1420) (-)

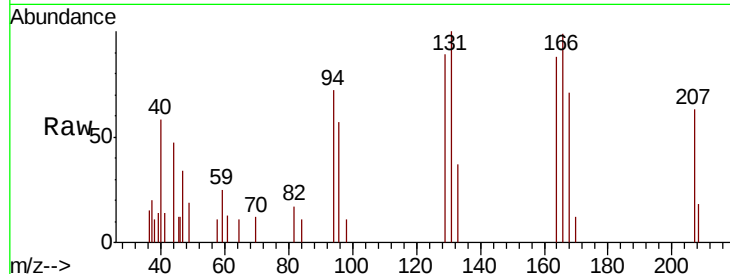




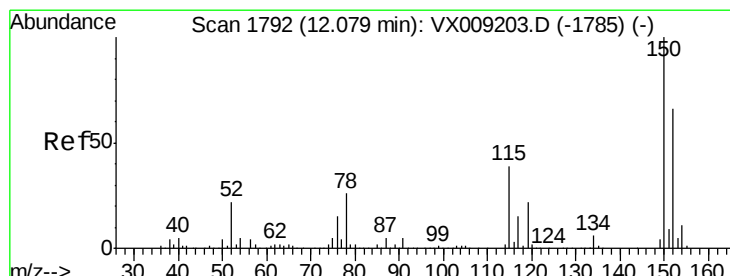
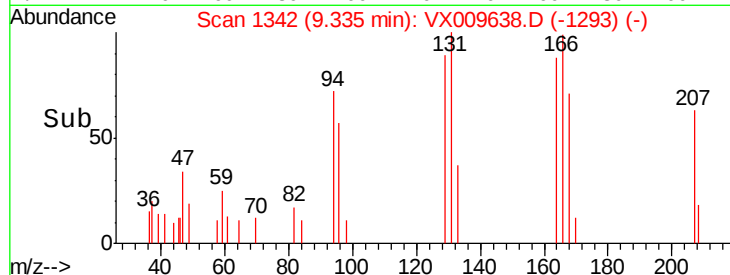
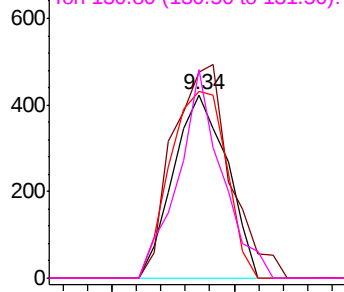
#64
Tetrachloroethene
Concen: 0.380 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009638.D
Acq: 17 May 2019 04:04

Instrument :
MSVOA_X
ClientSampleId :
SS052MW098-190514

Tot Ion:164 Resp: 651
Ion Ratio Lower Upper
164 100
166 112.3 101.2 151.8
129 101.9 74.3 111.5
131 113.9 71.0 106.6#

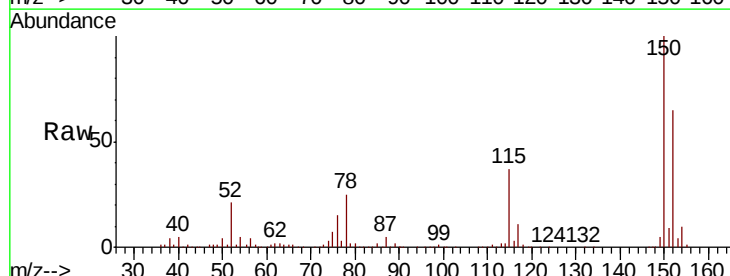


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

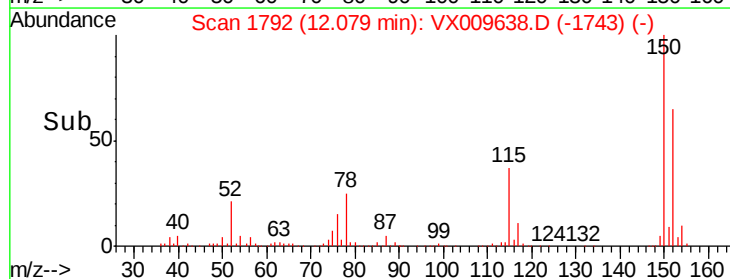
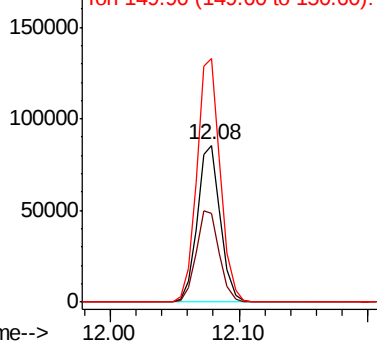


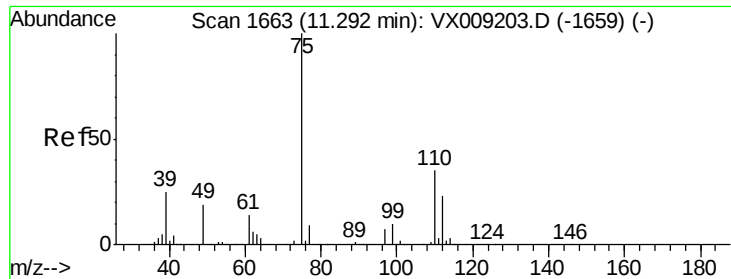
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009638.D
Acq: 17 May 2019 04:04

Tgt Ion:152 Resp: 106946
Ion Ratio Lower Upper
152 100
115 59.1 41.2 123.6
150 158.4 0.0 346.4



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: 24.042 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009638.D

Acq: 17 May 2019 04:04

Instrument :

MSVOA_X

ClientSampleId :

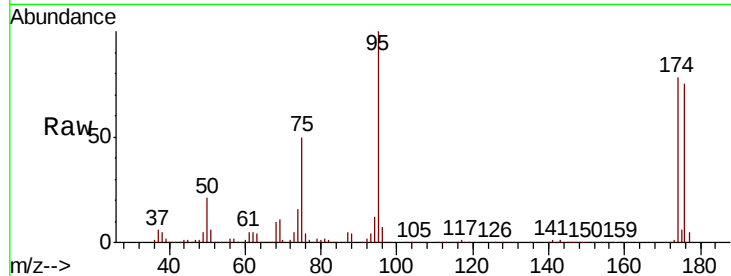
SS052MW098-190514

Tot Ion: 75 Resp: 59643

Ion Ratio Lower Upper

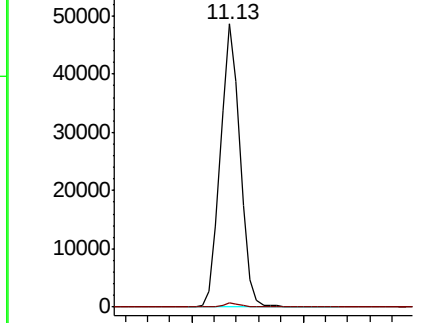
75 100

77 1.4 22.1 66.1#

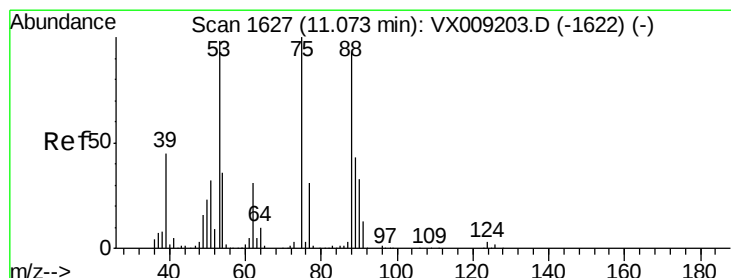
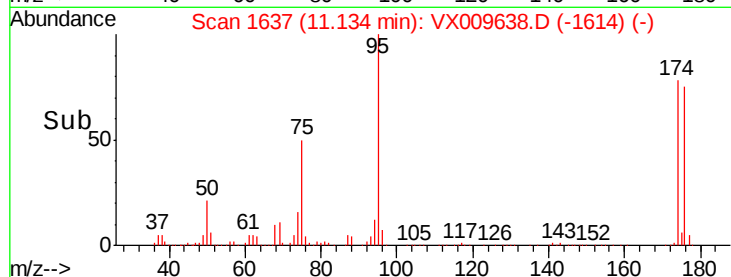


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.515 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009638.D

Acq: 17 May 2019 04:04

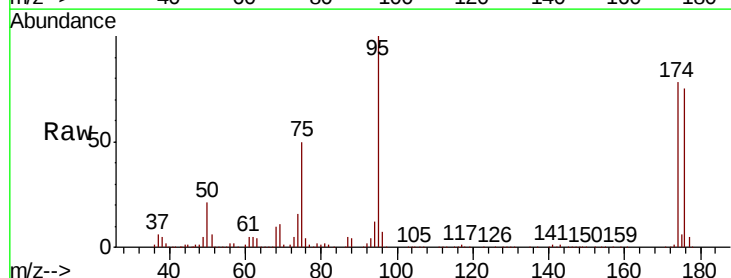
Tgt Ion: 75 Resp: 59643

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

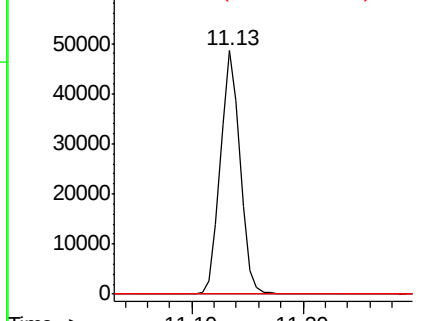
89 0.0 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->

