

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050319\
 Data File : VX009324.D
 Acq On : 03 May 2019 20:57
 Operator : JC/SP
 Sample : K2687-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW717-190502

Quant Time: May 03 23:21:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	197806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	319713	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	278990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118960	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	131256	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
35) Dibromofluoromethane	5.50	113	97063	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
50) Toluene-d8	8.71	98	399518	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
62) 4-Bromofluorobenzene	11.13	95	131212	44.50	ug/l	0.00
Spiked Amount			Recovery	=	89.00%	

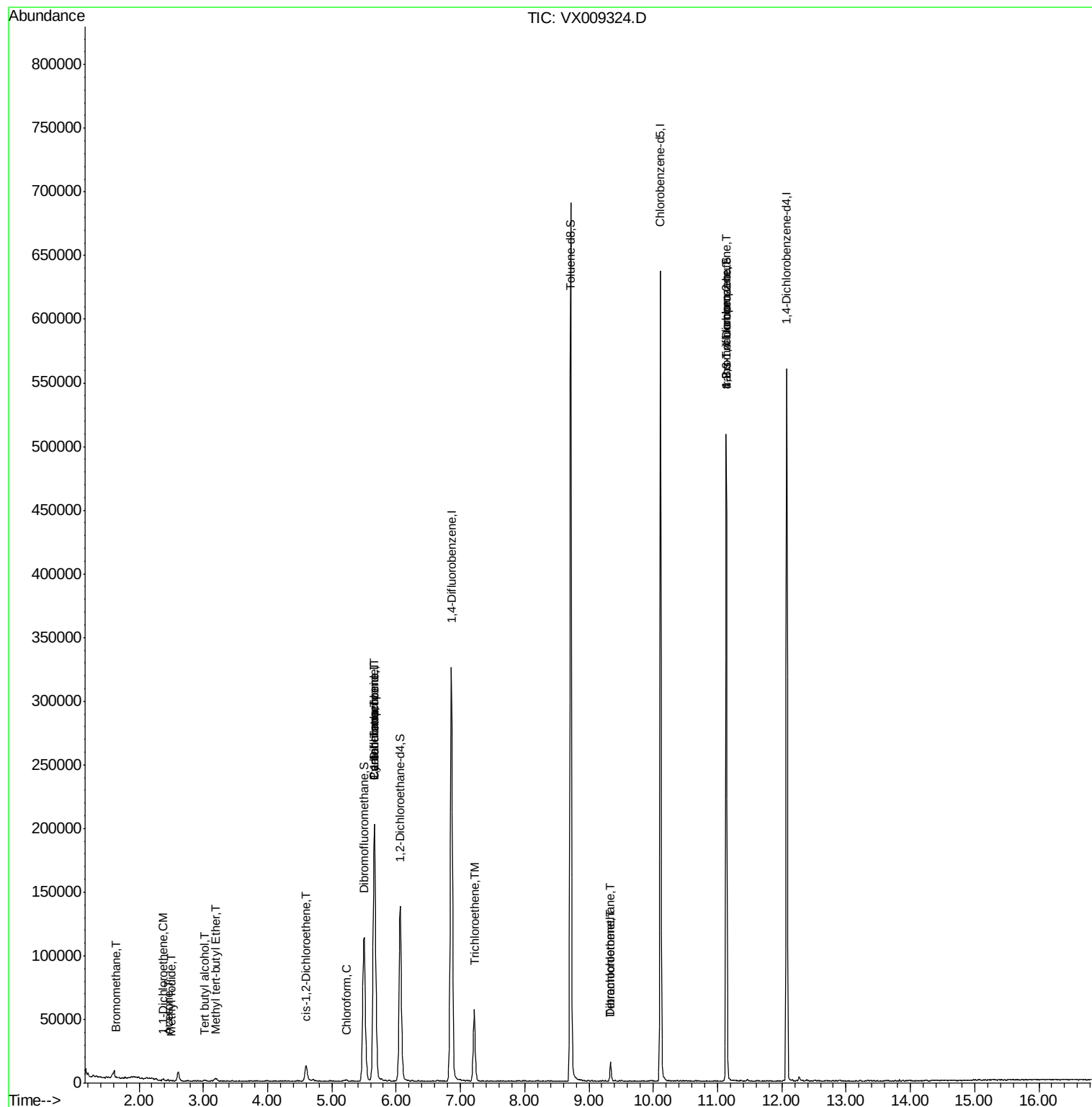
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	296	0.203	ug/l	95
10) Methyl Iodide	2.51	142	195	4.676	ug/l #	69
11) Tert butyl alcohol	3.01	59	511	0.818	ug/l #	73
12) 1,1-Dichloroethene	2.38	96	475	0.256	ug/l #	69
16) Acetone	2.45	43	1047	0.722	ug/l #	86
19) Methyl tert-butyl Ether	3.19	73	1985	0.275	ug/l #	89
27) cis-1,2-Dichloroethene	4.60	96	7355	3.061	ug/l	91
28) Bromochloromethane	4.97	49	96	Below Cal	#	20
30) Chloroform	5.22	83	1250	0.322	ug/l	94
31) Cyclohexane	5.66	56	4242	1.063	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15450	5.200	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18648	6.908	ug/l #	15
44) Trichloroethene	7.22	130	21472	9.659	ug/l	93
60) Dibromochloromethane	9.34	129	2566	1.152	ug/l #	11
64) Tetrachloroethene	9.34	164	2848	1.488	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	67712	24.538	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	67712	62.785	ug/l #	10

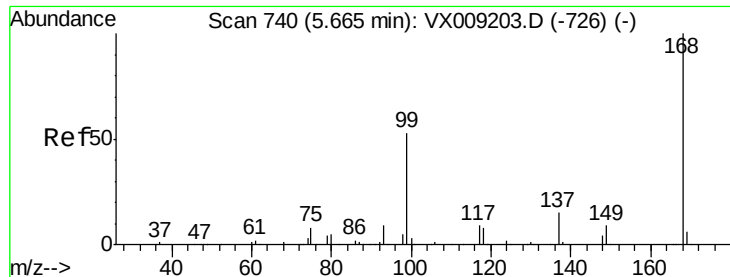
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009324.D

Acq: 03 May 2019 20:57

Instrument :

MSVOA_X

ClientSampleId :

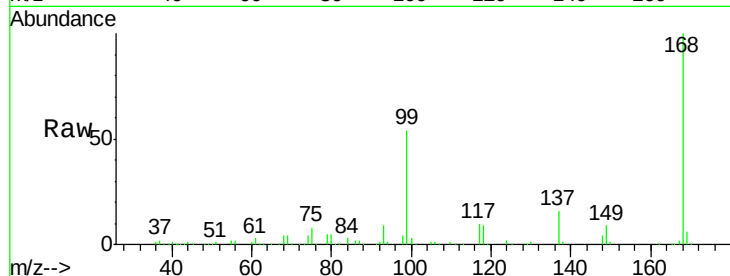
SS052MW717-190502

Tot Ion:168 Resp: 197806

Ion Ratio Lower Upper

168 100

99 54.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

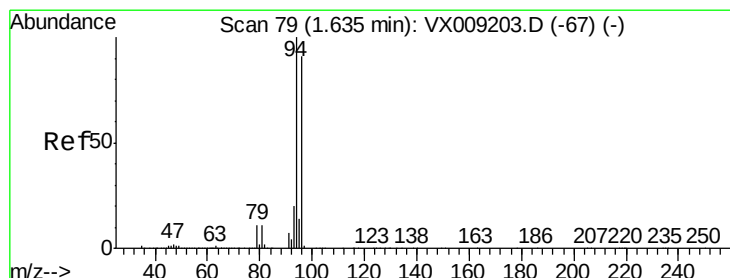
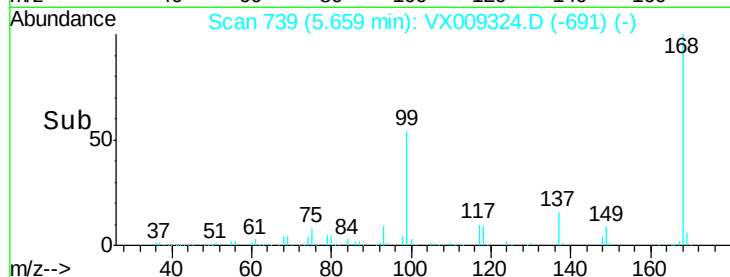
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.203 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009324.D

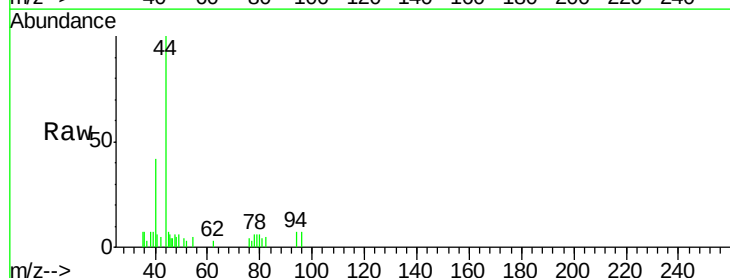
Acq: 03 May 2019 20:57

Tgt Ion: 94 Resp: 296

Ion Ratio Lower Upper

94 100

96 95.9 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

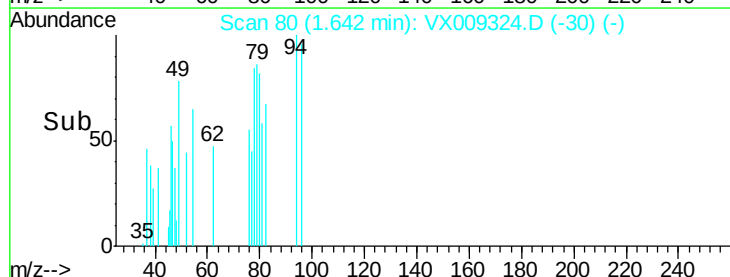
150

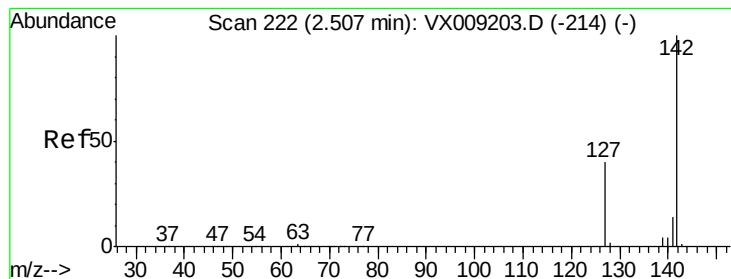
100

50

0

Time--> 1.60 1.65 1.70





#10

Methvl Iodide

Concen: 4.676 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009324.D

Acq: 03 May 2019 20:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW717-190502

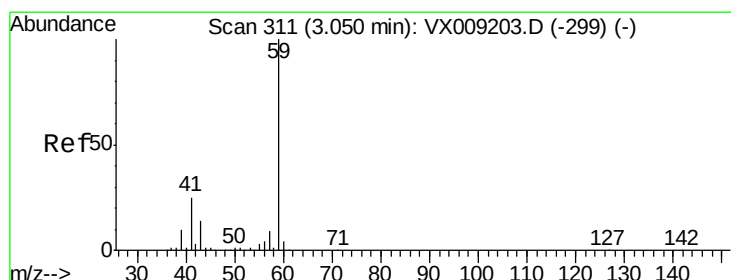
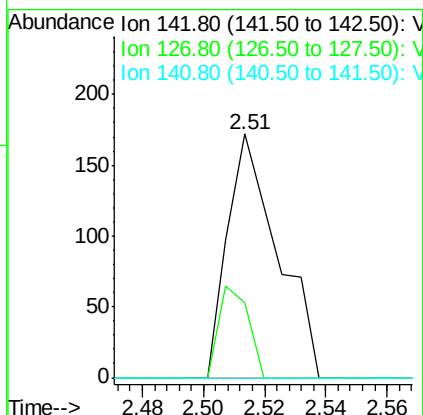
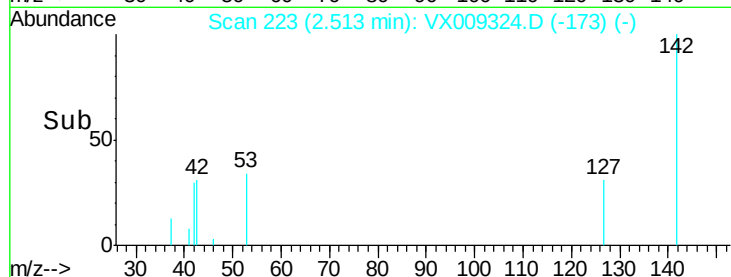
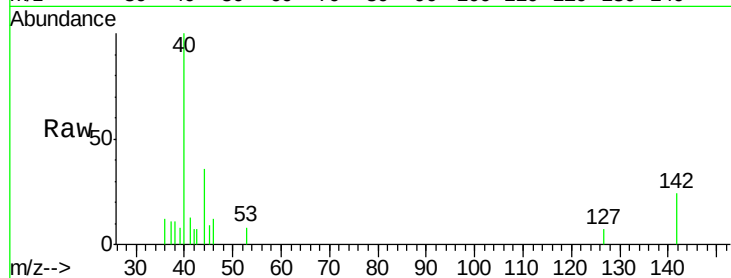
Tot Ion:142 Resp: 195

Ion Ratio Lower Upper

142 100

127 22.1 32.7 49.1#

141 0.0 11.5 17.3#



#11

Tert butyl alcohol

Concen: 0.818 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX009324.D

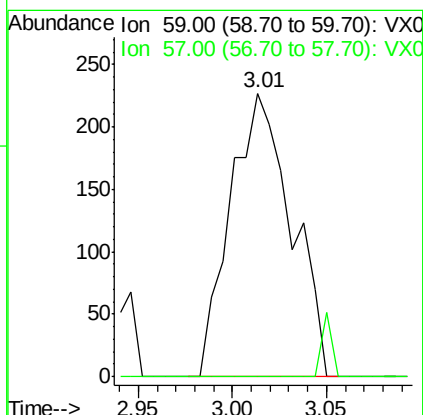
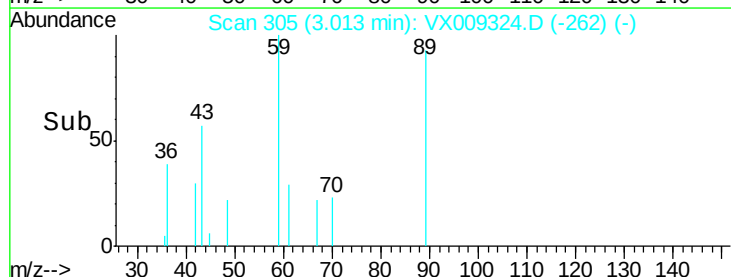
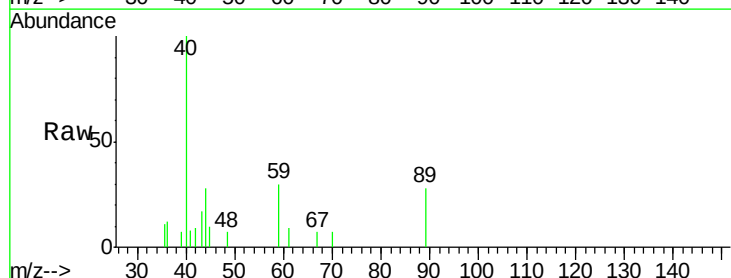
Acq: 03 May 2019 20:57

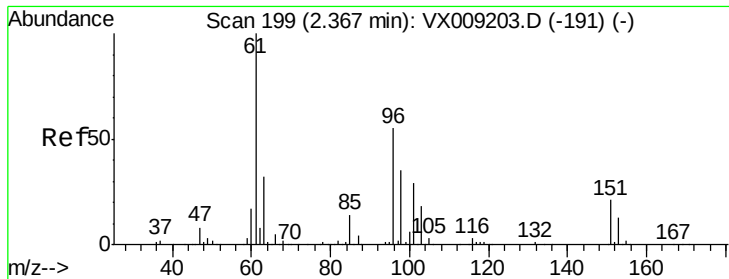
Tgt Ion: 59 Resp: 511

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 0.256 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX009324.D

Acq: 03 May 2019 20:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW717-190502

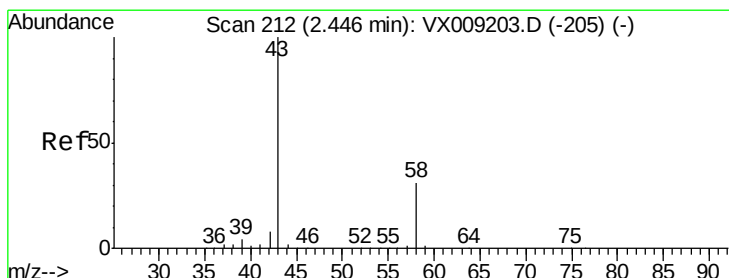
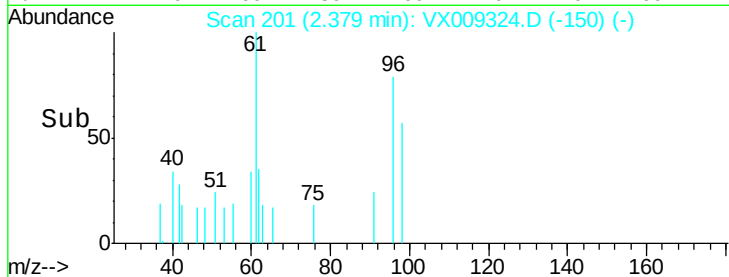
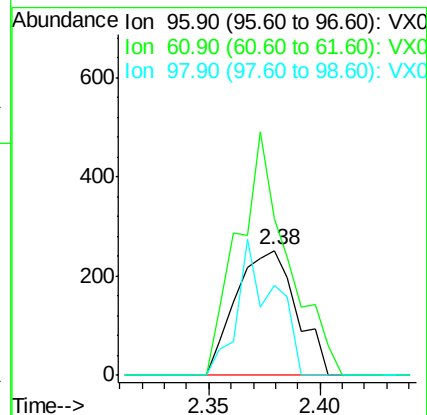
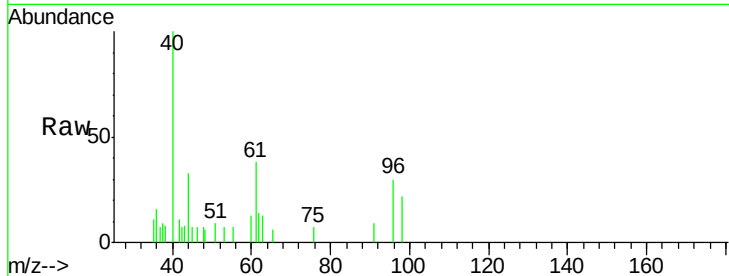
Tot Ion: 96 Resp: 475

Ion Ratio Lower Upper

96 100

61 125.9 144.3 216.5#

98 71.7 50.3 75.5



#16

Acetone

Concen: 0.722 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009324.D

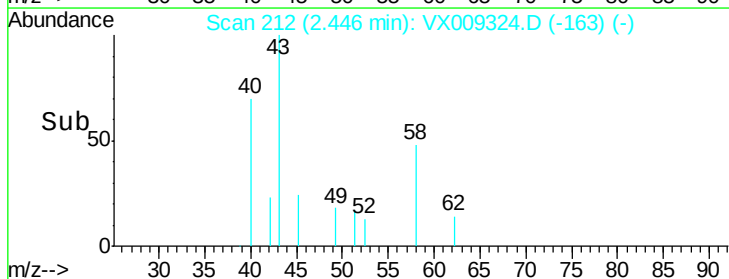
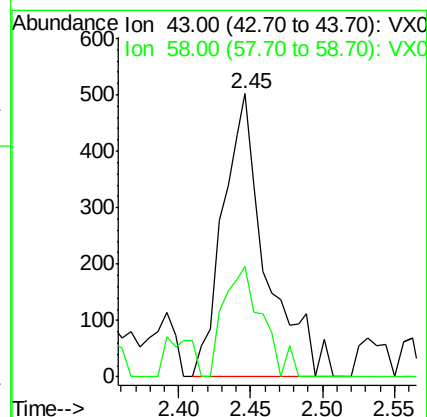
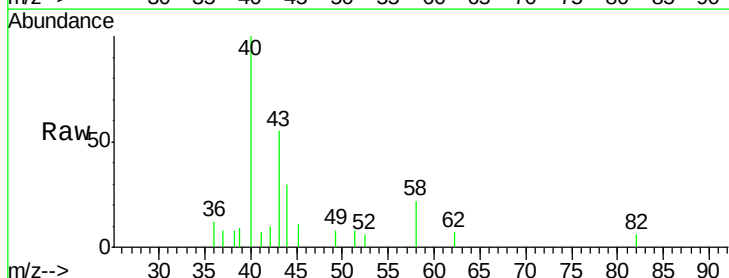
Acq: 03 May 2019 20:57

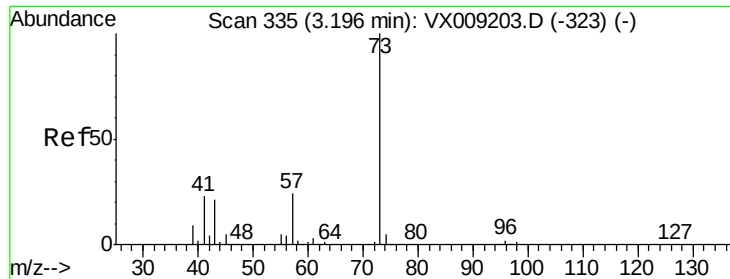
Tgt Ion: 43 Resp: 1047

Ion Ratio Lower Upper

43 100

58 39.0 24.9 37.3#

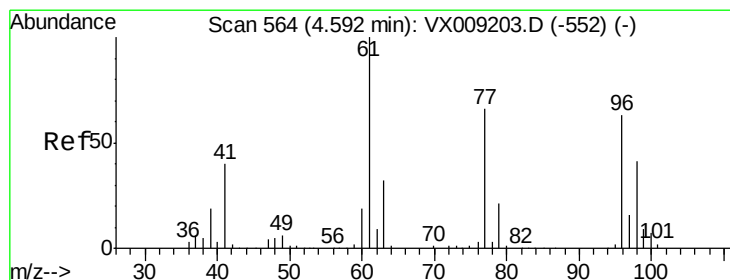
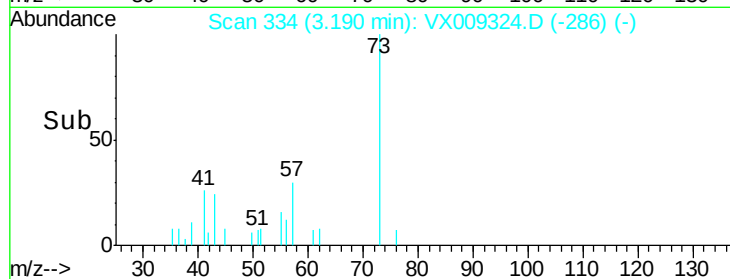
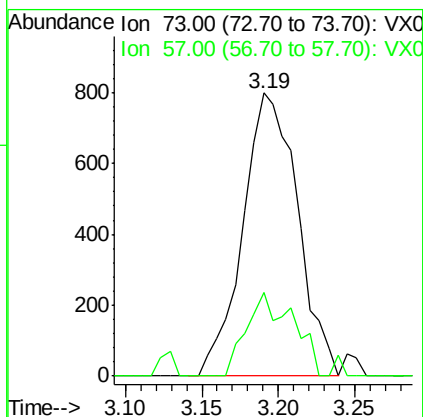
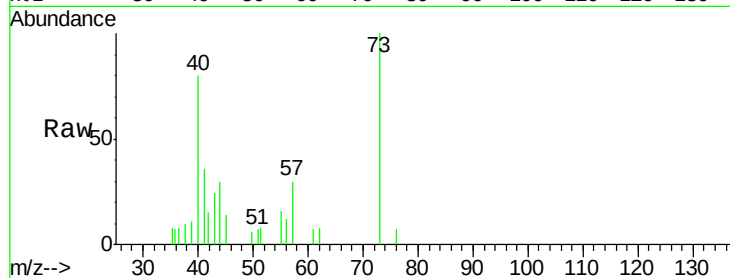




#19
Methyl tert-butyl Ether
Concen: 0.275 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009324.D
Acq: 03 May 2019 20:57

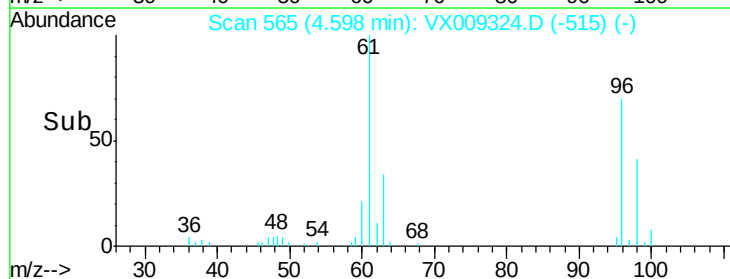
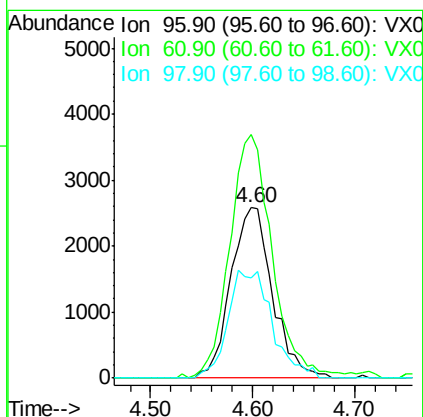
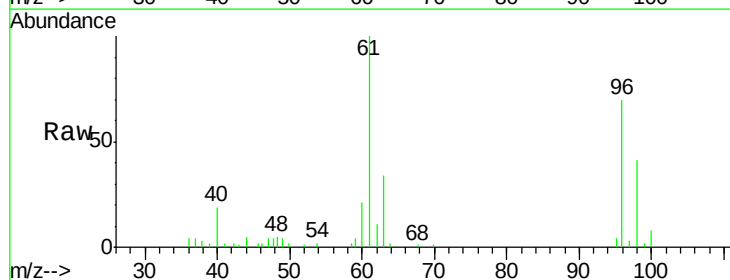
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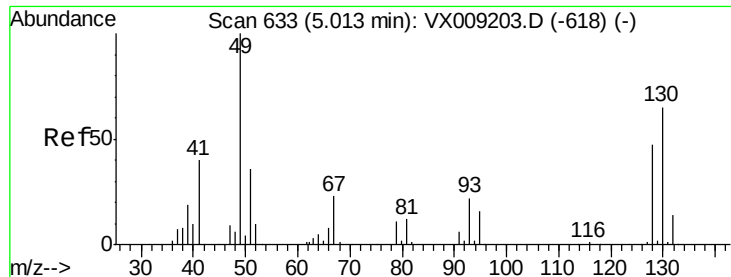
Tot Ion: 73 Resp: 1985
Ion Ratio Lower Upper
73 100
57 29.7 19.3 28.9#



#27
cis-1,2-Dichloroethene
Concen: 3.061 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009324.D
Acq: 03 May 2019 20:57

Tgt Ion: 96 Resp: 7355
Ion Ratio Lower Upper
96 100
61 145.3 0.0 324.0
98 66.5 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 4.97 min Scan# 626

Delta R.T. -0.04 min

Lab File: VX009324.D

Acq: 03 May 2019 20:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW717-190502

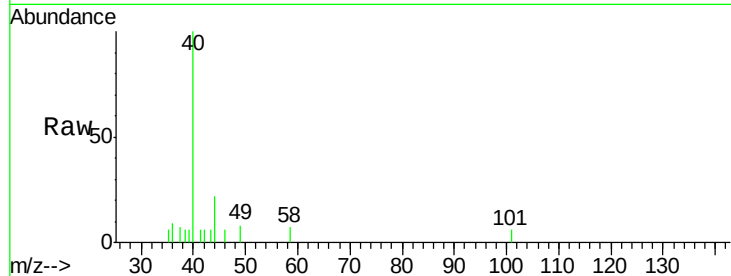
Tot Ion: 49 Resp: 96

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

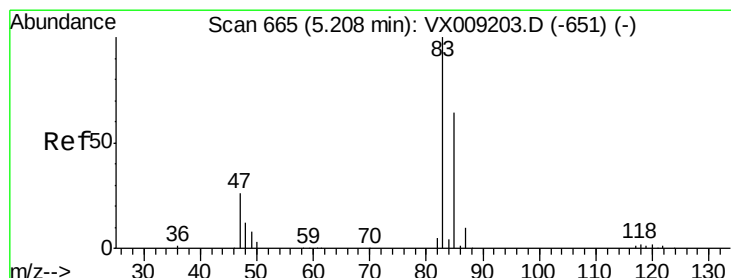
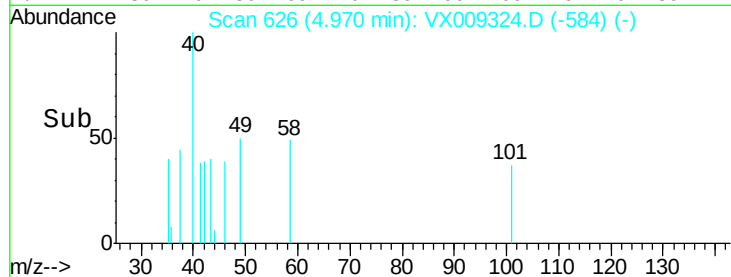
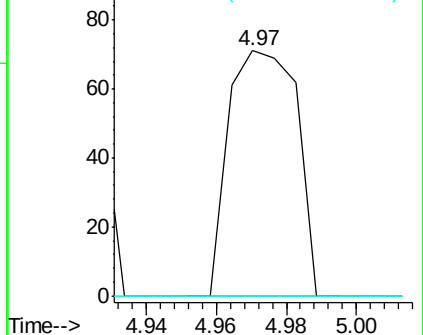
130 0.0 51.2 76.8#



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: 0.322 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX009324.D

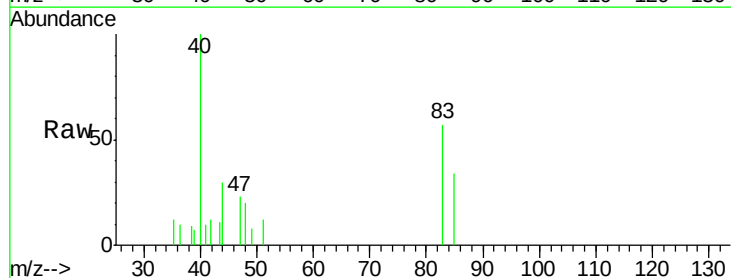
Acq: 03 May 2019 20:57

Tgt Ion: 83 Resp: 1250

Ion Ratio Lower Upper

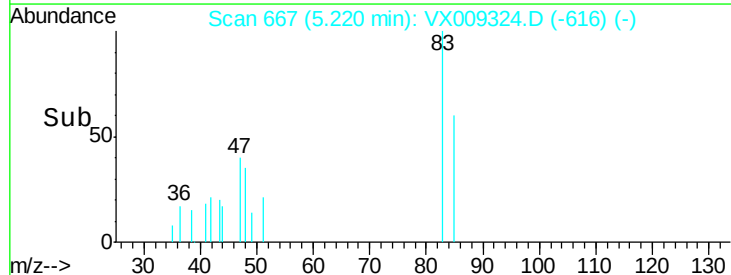
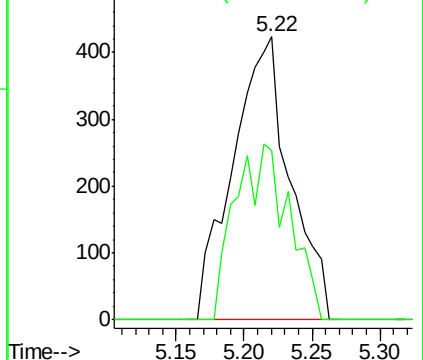
83 100

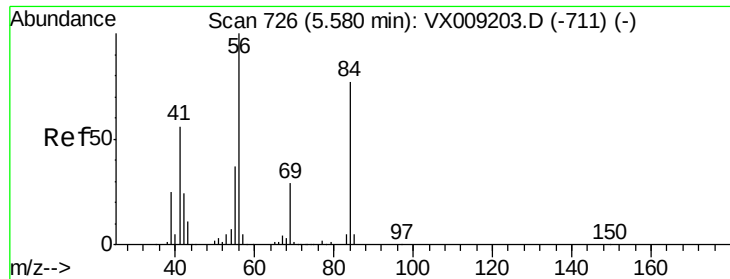
85 59.8 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

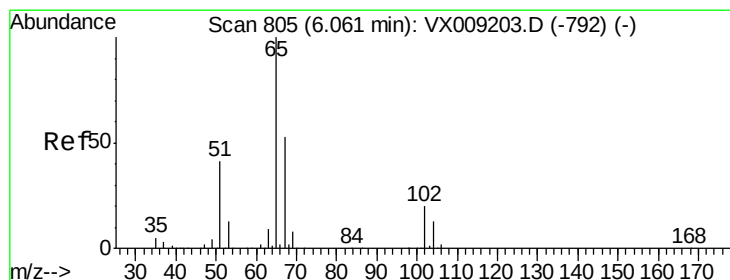
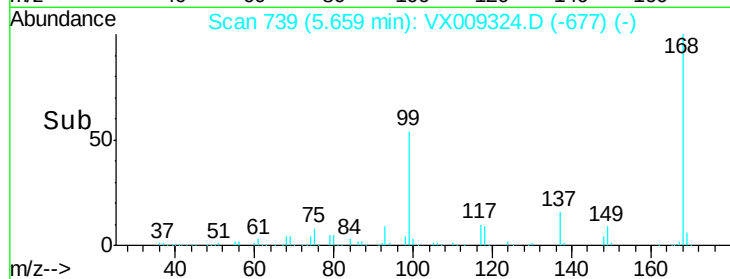
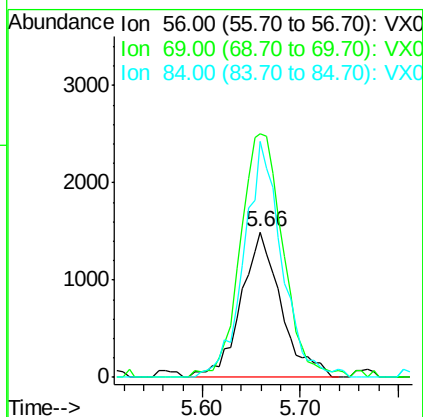
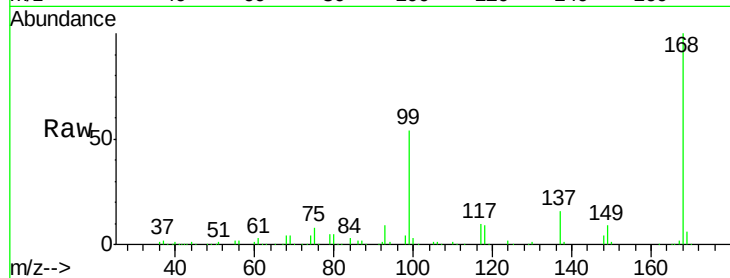




#31
Cyclohexane
Concen: 1.063 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009324.D
Acq: 03 May 2019 20:57

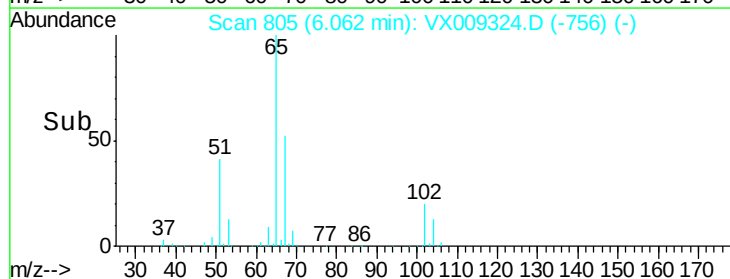
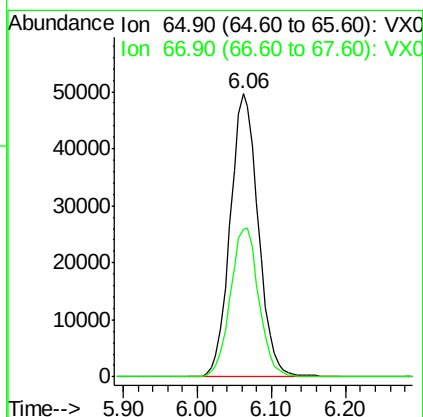
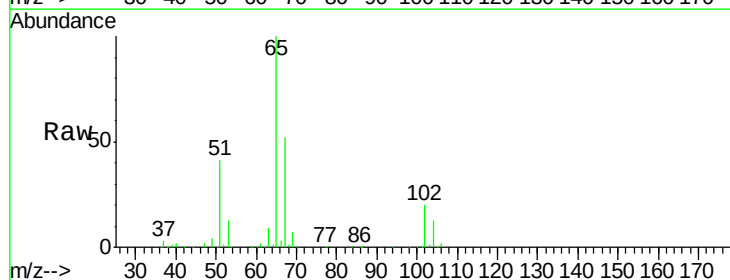
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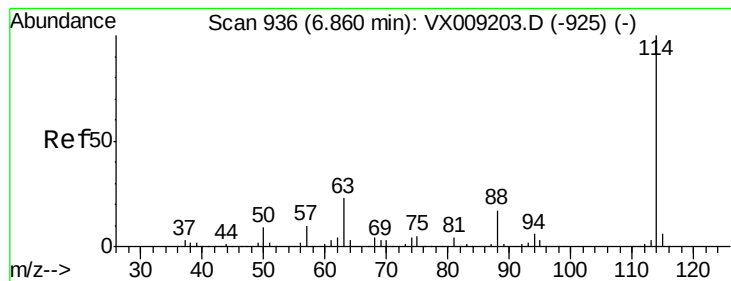
Tot Ion: 56 Resp: 4242
Ion Ratio Lower Upper
56 100
69 167.3 23.4 35.0#
84 161.9 61.9 92.9#



#33
1,2-Dichloroethane-d4
Concen: 48.608 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009324.D
Acq: 03 May 2019 20:57

Tgt Ion: 65 Resp: 131256
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009324.D

Acq: 03 May 2019 20:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW717-190502

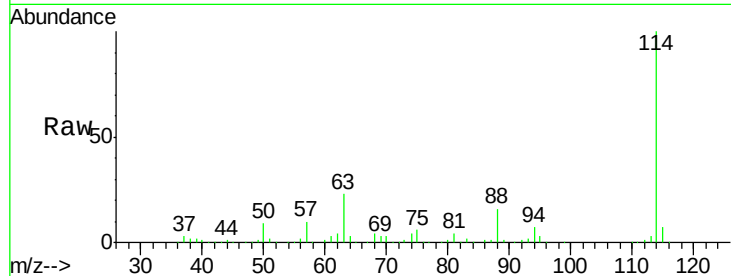
Tot Ion:114 Resp: 319713

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

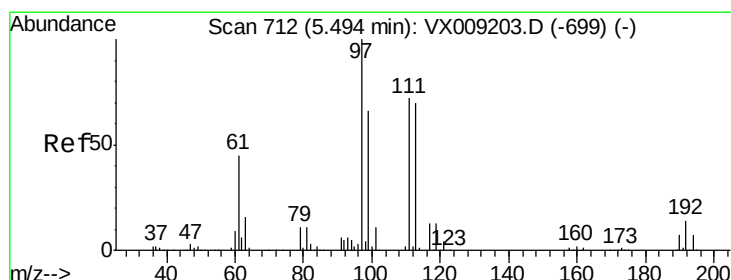
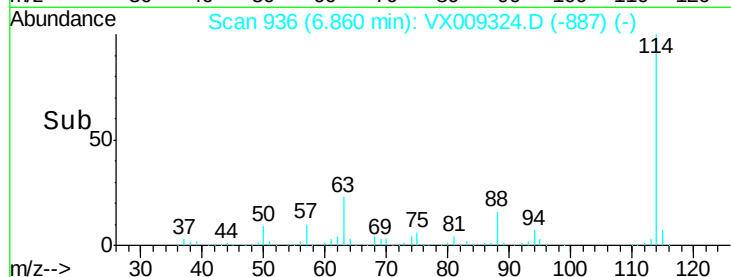
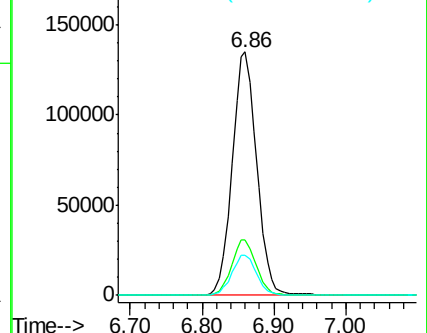
88 16.2 0.0 33.2



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



#35

Dibromofluoromethane

Concen: 48.294 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009324.D

Acq: 03 May 2019 20:57

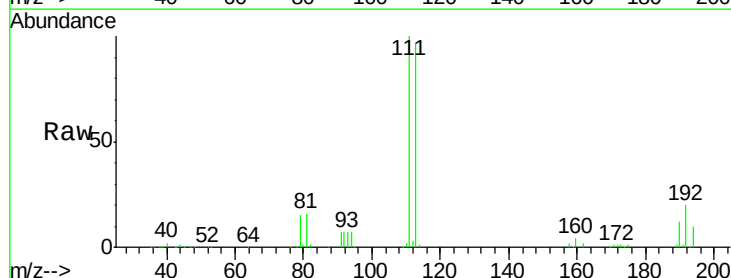
Tgt Ion:113 Resp: 97063

Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

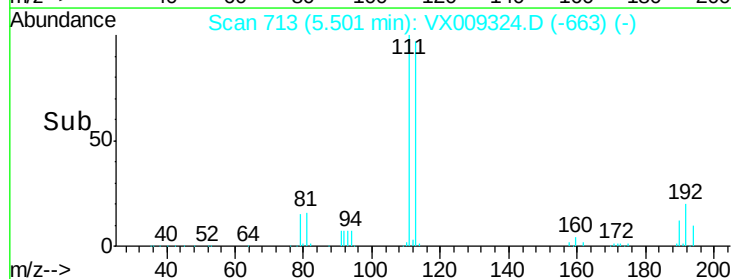
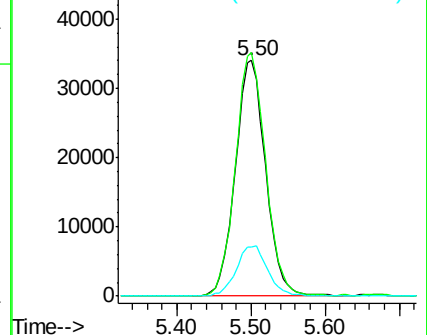
192 22.1 17.0 25.6

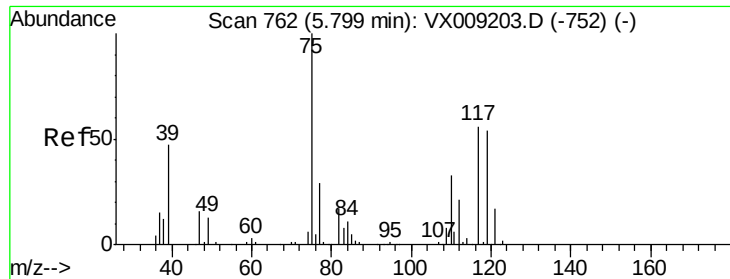


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

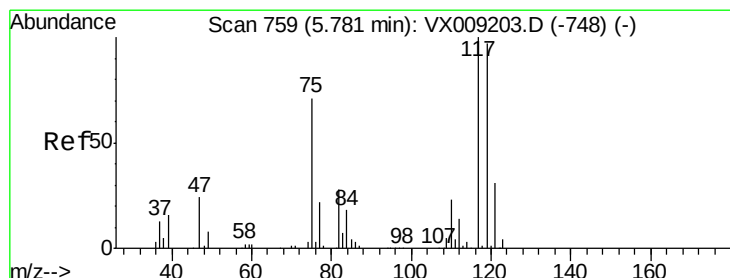
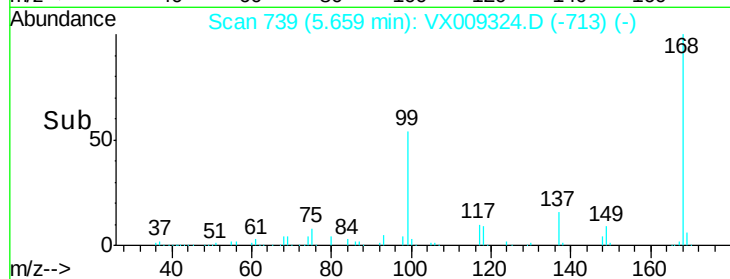
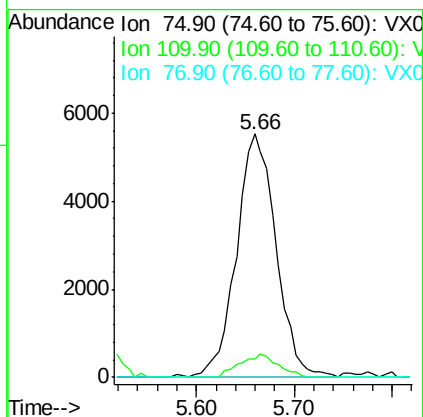
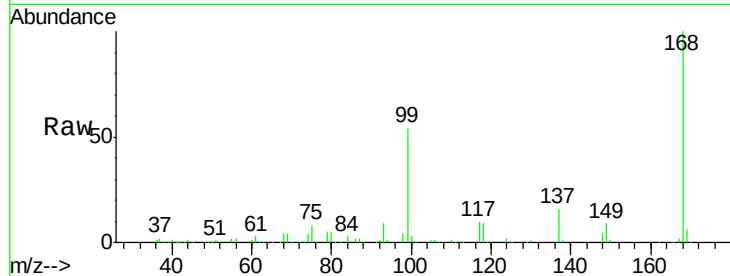




#36
 1,1-Dichloropropene
 Concen: 5.200 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009324.D
 Acq: 03 May 2019 20:57

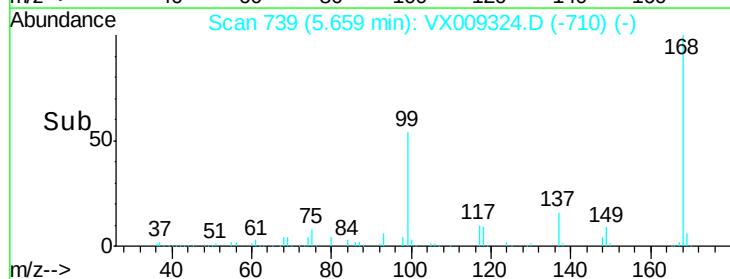
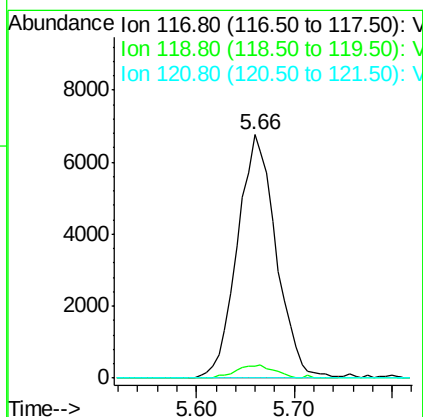
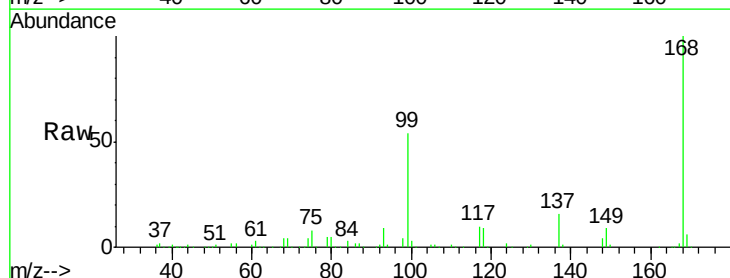
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW717-190502

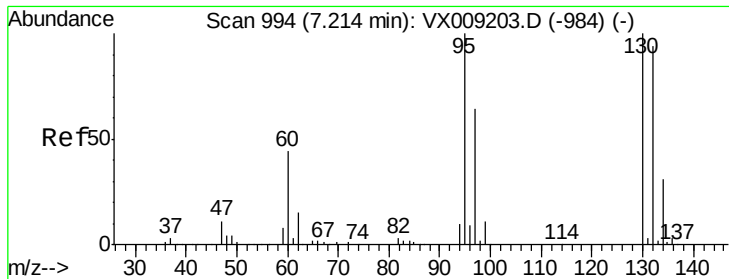
Tot Ion	75	Resp	15450
Ion Ratio	100	Lower	Upper
75	100		
110	9.3	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.908 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009324.D
 Acq: 03 May 2019 20:57

Tgt Ion	117	Resp	18648
Ion Ratio	100	Lower	Upper
117	100		
119	4.7	77.5	116.3#
121	0.0	24.7	37.1#

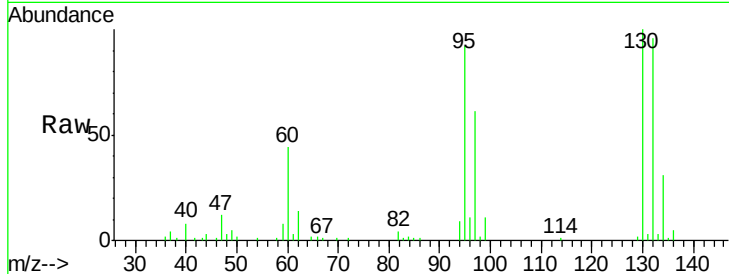




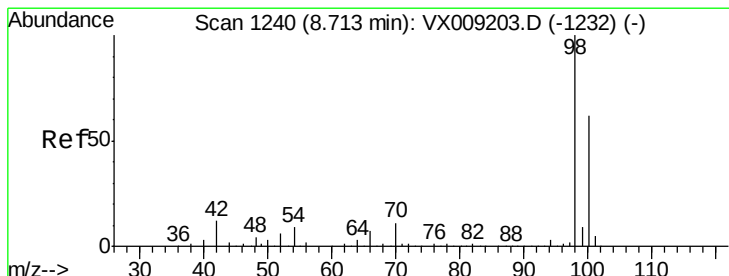
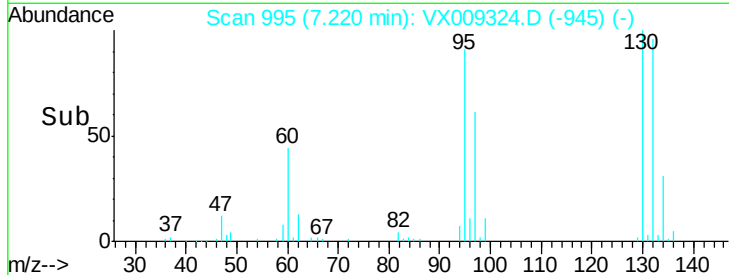
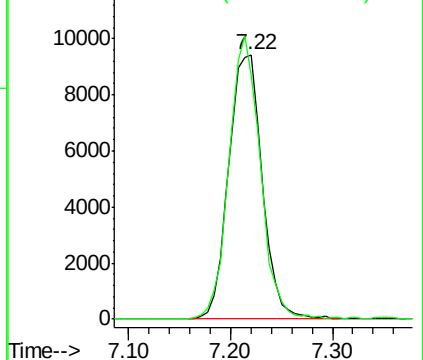
#44
 Trichloroethene
 Concen: 9.659 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX009324.D
 Acq: 03 May 2019 20:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW717-190502

Tot Ion:130 Resp: 21472
 Ion Ratio Lower Upper
 130 100
 95 92.2 0.0 199.2

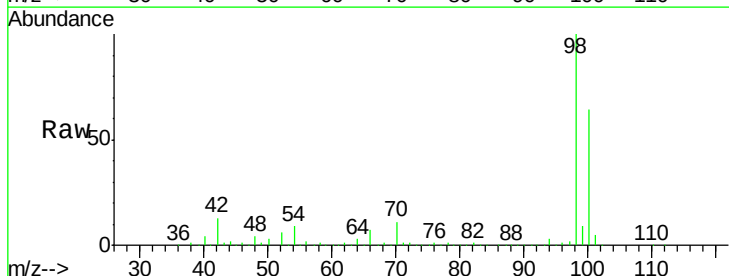


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

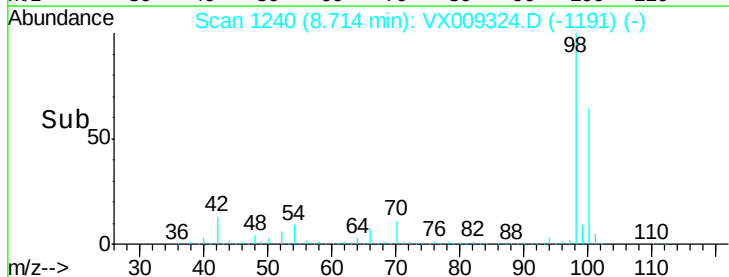
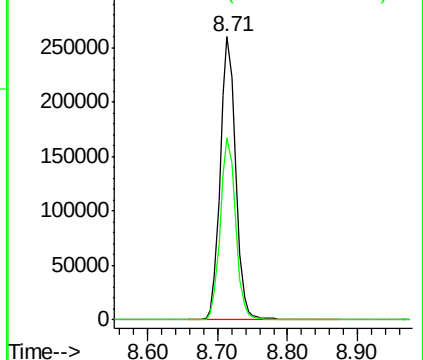


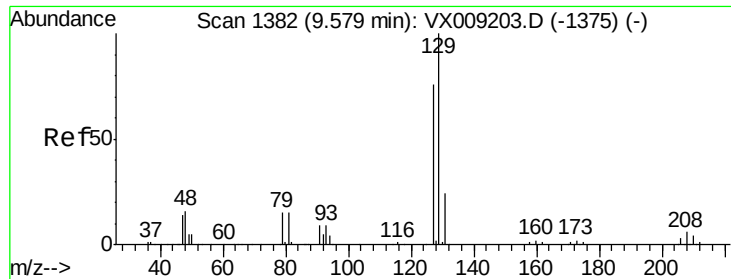
#50
 Toluene-d8
 Concen: 49.237 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009324.D
 Acq: 03 May 2019 20:57

Tgt Ion: 98 Resp: 399518
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0

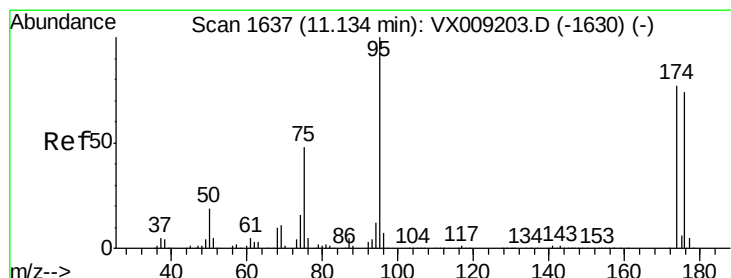
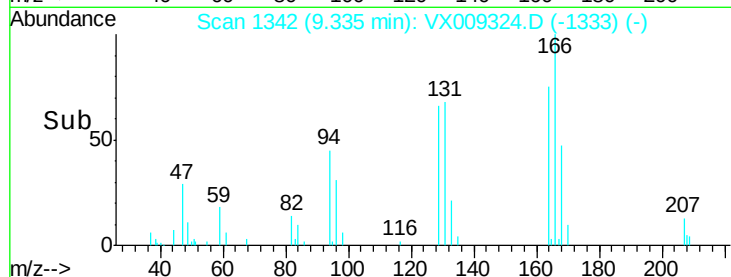
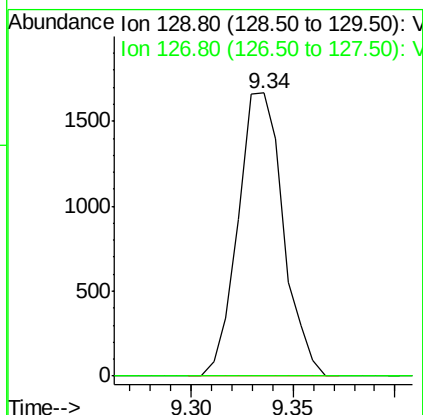
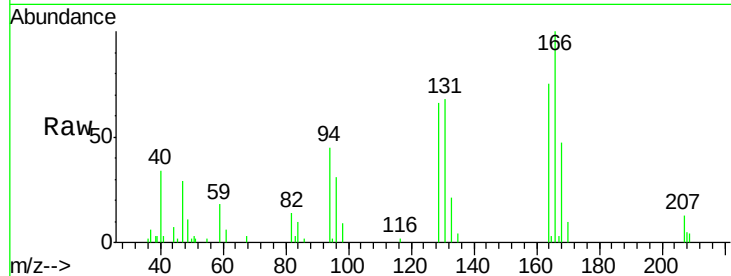




#60
 Dibromochloromethane
 Concen: 1.152 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009324.D
 Acq: 03 May 2019 20:57

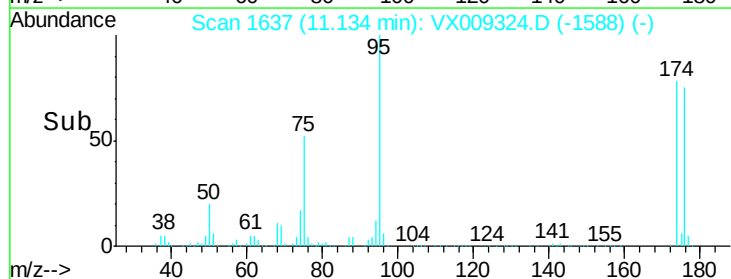
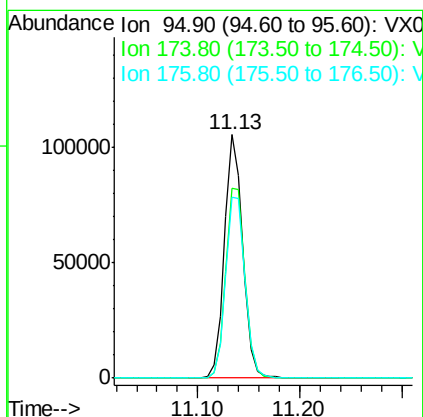
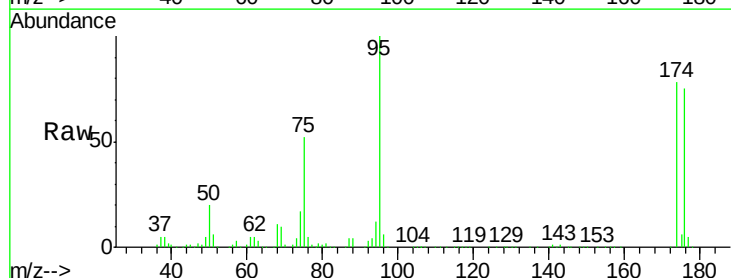
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW717-190502

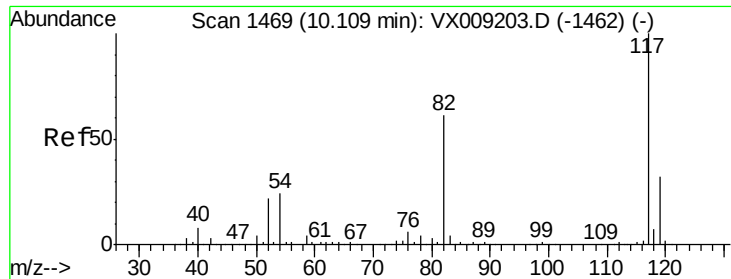
Tot Ion:129 Resp: 2566
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.1#



#62
 4-Bromofluorobenzene
 Concen: 44.503 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009324.D
 Acq: 03 May 2019 20:57

Tgt Ion: 95 Resp: 131212
 Ion Ratio Lower Upper
 95 100
 174 81.7 0.0 161.6
 176 78.9 0.0 159.2

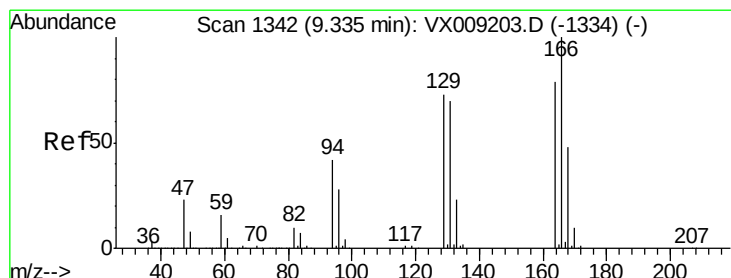
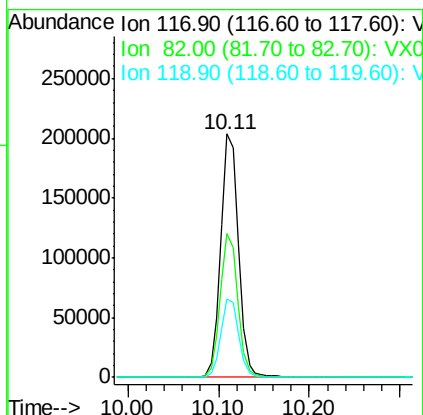
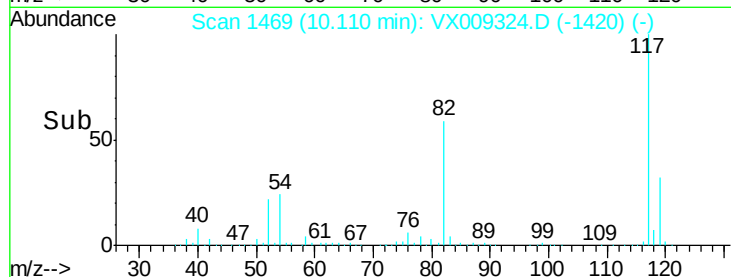
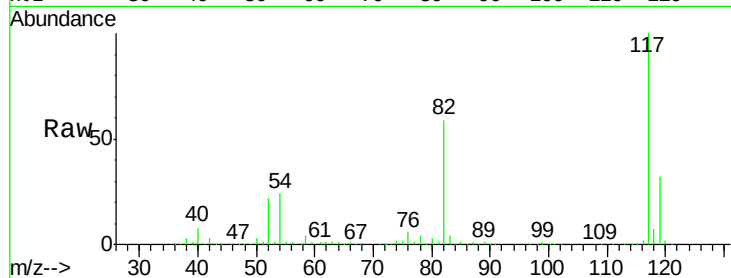




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009324.D
Acq: 03 May 2019 20:57

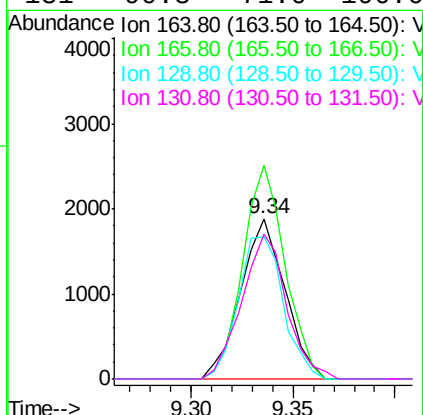
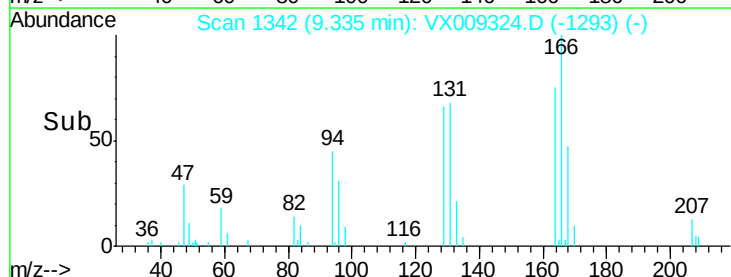
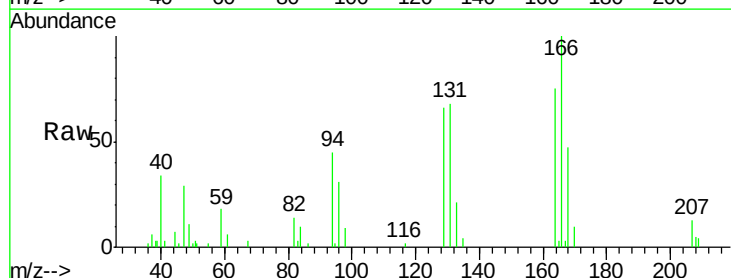
Instrument :
MSVOA_X
ClientSampleId :
SS052MW717-190502

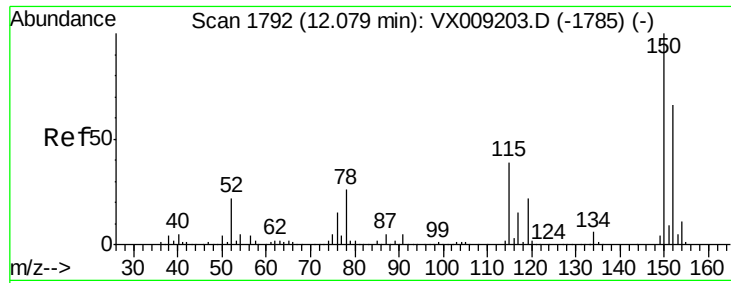
Tot Ion:117 Resp: 278990
Ion Ratio Lower Upper
117 100
82 59.2 48.8 73.2
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 1.488 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009324.D
Acq: 03 May 2019 20:57

Tgt Ion:164 Resp: 2848
Ion Ratio Lower Upper
164 100
166 133.2 101.2 151.8
129 88.4 74.3 111.5
131 90.3 71.0 106.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009324.D

Acq: 03 May 2019 20:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW717-190502

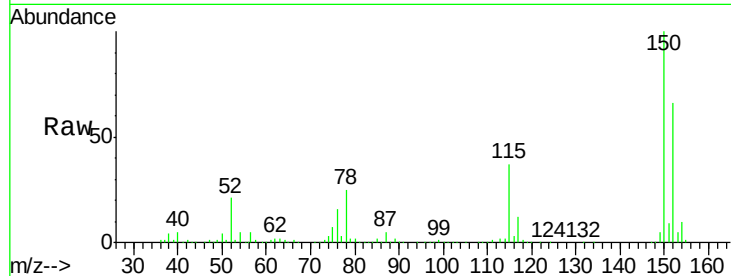
Tot Ion:152 Resp: 118960

Ion Ratio Lower Upper

152 100

115 57.9 41.2 123.6

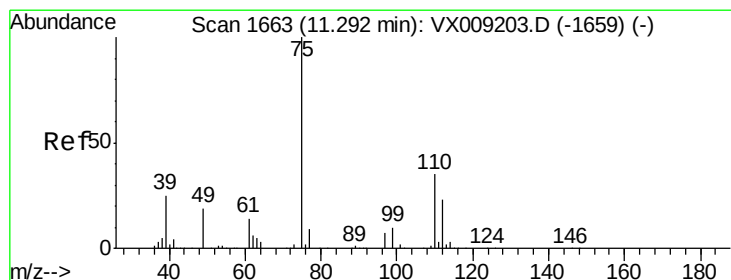
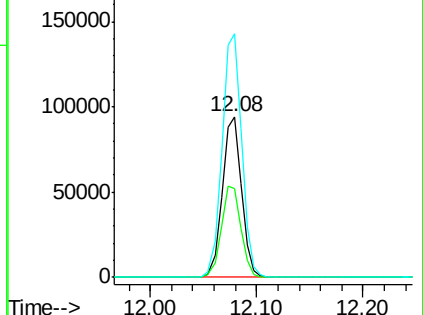
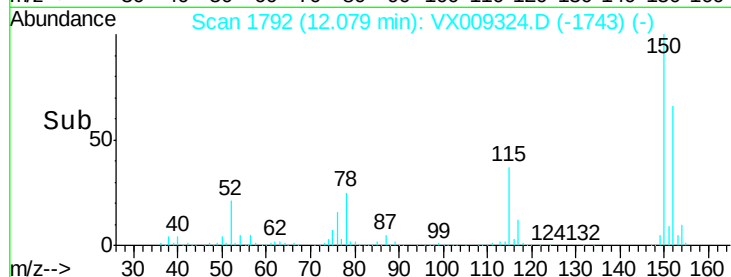
150 154.3 0.0 346.4



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: 24.538 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009324.D

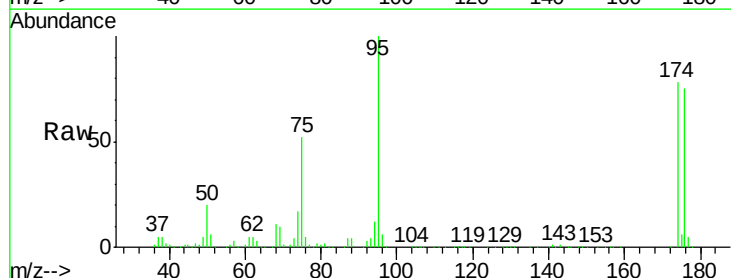
Acq: 03 May 2019 20:57

Tgt Ion: 75 Resp: 67712

Ion Ratio Lower Upper

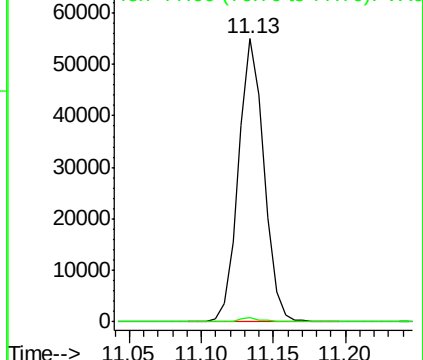
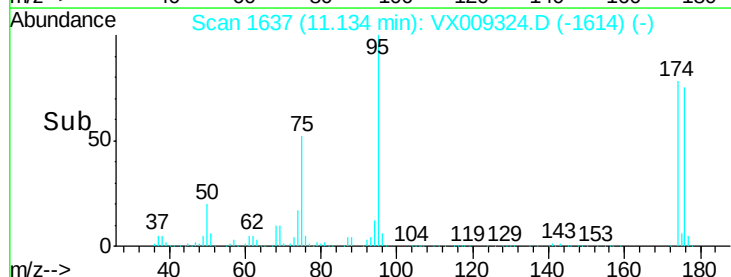
75 100

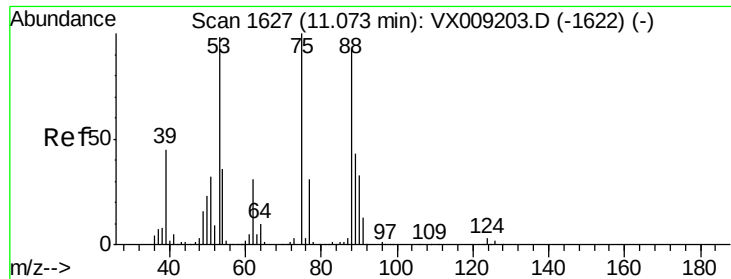
77 1.3 22.1 66.1#



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: 62.785 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009324.D

Acq: 03 May 2019 20:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW717-190502

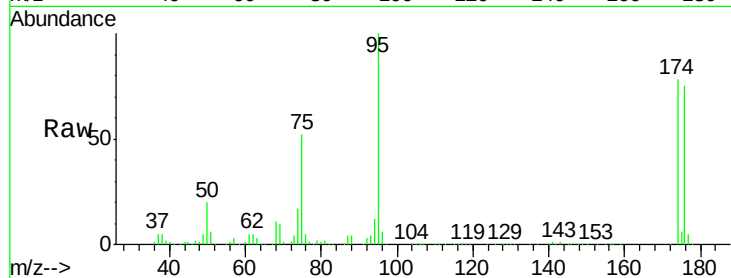
Tot Ion: 75 Resp: 67712

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

