

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080819\
 Data File : VX011389.D
 Acq On : 08 Aug 2019 14:05
 Operator : JC/SP
 Sample : K4220-06DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-24B_080719DL

Quant Time: Aug 09 04:24:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	144736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	235529	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105131	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	83971	57.61	ug/l	0.00
Spiked Amount						
			Recovery	=	115.22%	
35) Dibromofluoromethane	5.49	113	75768	49.27	ug/l	0.00
Spiked Amount						
			Recovery	=	98.54%	
50) Toluene-d8	8.71	98	289292	49.84	ug/l	0.00
Spiked Amount						
			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.13	95	103165	49.78	ug/l	0.00
Spiked Amount						
			Recovery	=	99.56%	

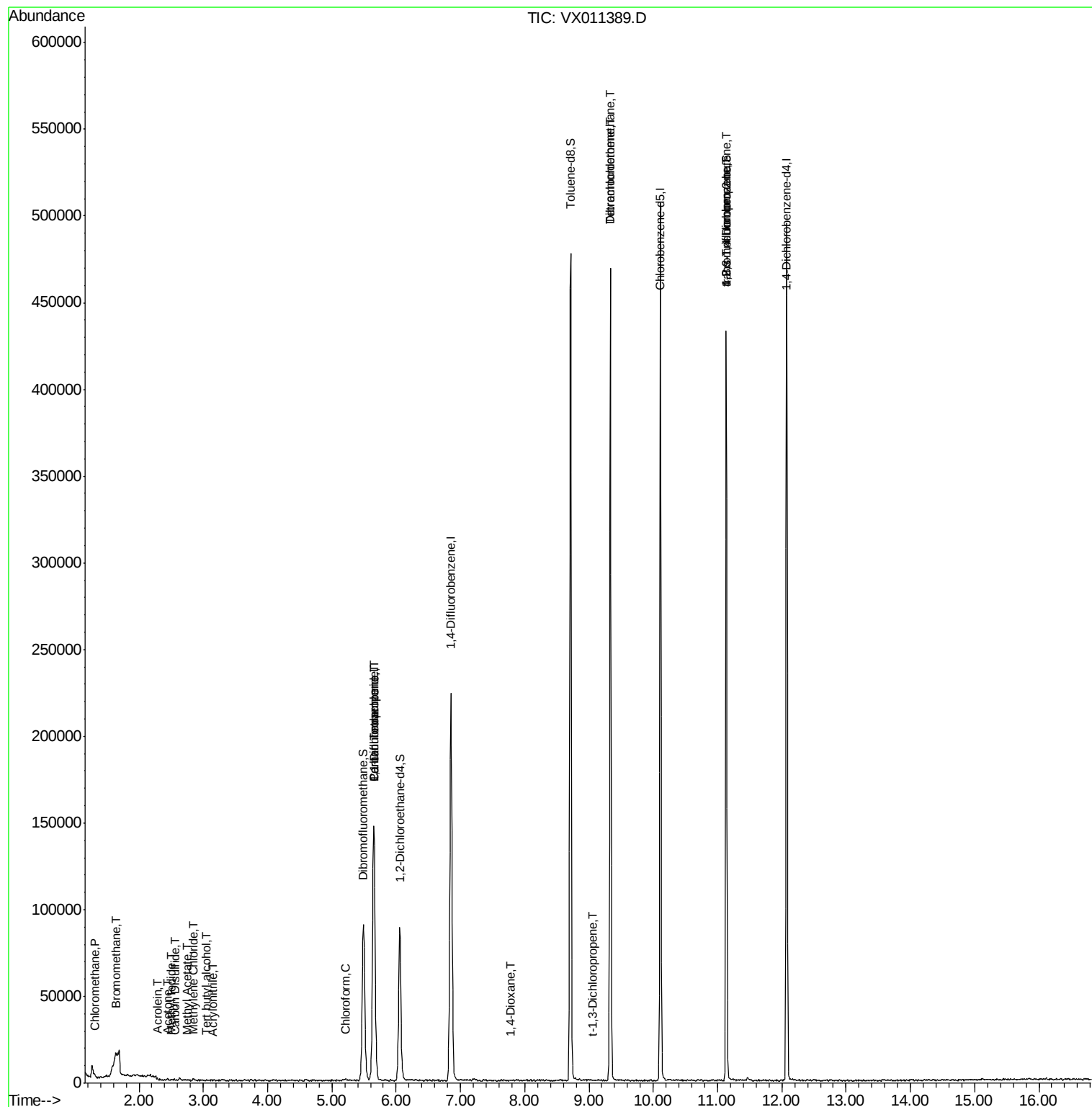
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	472	0.376	ug/l	92
5) Bromomethane	1.63	94	641	0.651	ug/l #	70
6) Chloroethane	1.72	64	47	Below Cal	#	43
10) Methyl Iodide	2.51	142	340	0.203	ug/l #	85
11) Tert butyl alcohol	3.05	59	194	0.690	ug/l	99
13) Acrolein	2.28	56	293	1.202	ug/l	86
15) Acrylonitrile	3.16	53	179	0.258	ug/l #	31
16) Acetone	2.45	43	647	0.933	ug/l	96
17) Carbon Disulfide	2.56	76	697	0.226	ug/l #	87
18) Methyl Acetate	2.76	43	436	0.275	ug/l #	49
20) Methylene Chloride	2.85	84	395	0.260	ug/l #	77
30) Chloroform	5.21	83	1122	0.454	ug/l	85
36) 1,1-Dichloropropene	5.65	75	9817	4.774	ug/l #	46
38) Carbon Tetrachloride	5.65	117	13385	6.470	ug/l #	16
49) 1,4-Dioxane	7.78	88	46	1.022	ug/l #	1
53) t-1,3-Dichloropropene	9.07	75	46	2.857	ug/l #	43
60) Dibromochloromethane	9.33	129	84690	49.588	ug/l #	10
64) Tetrachloroethene	9.34	164	92703	47.234	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	52936	27.649	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	52936	71.673	ug/l #	10

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011389.D

Acq: 08 Aug 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

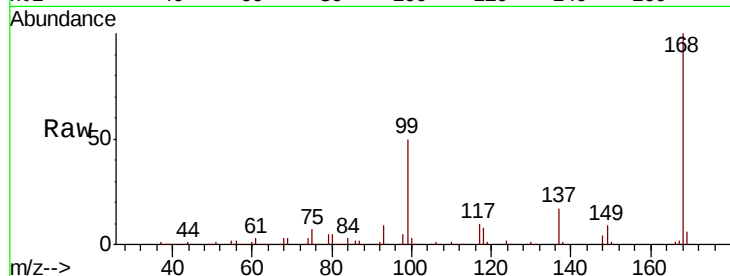
MW-24B_080719DL

Tgt Ion:168 Resp: 144736

Ion Ratio Lower Upper

168 100

99 50.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): VX011262.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX011262.D (-726) (-)

5.65

60000

50000

40000

30000

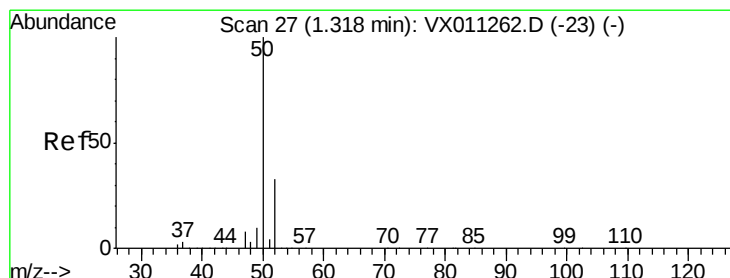
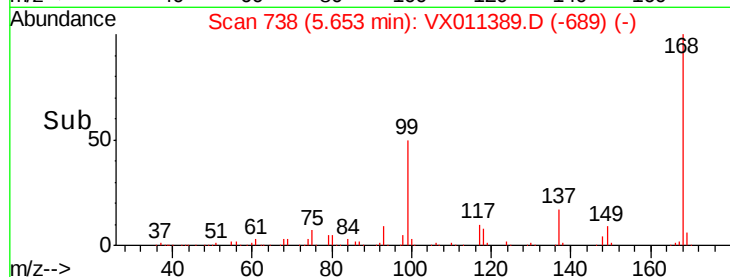
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.376 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011389.D

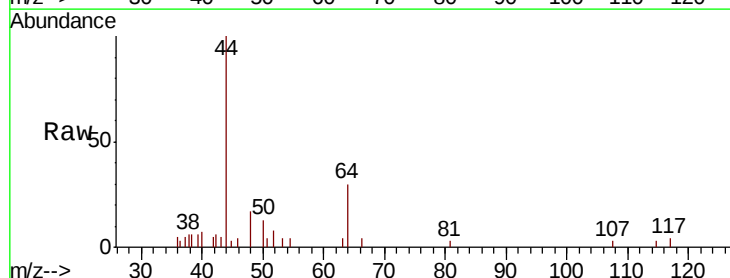
Acq: 08 Aug 2019 14:05

Tgt Ion: 50 Resp: 472

Ion Ratio Lower Upper

50 100

52 37.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX011262.D (-23) (-)

Ion 51.90 (51.60 to 52.60): VX011262.D (-23) (-)

1.32

250

200

150

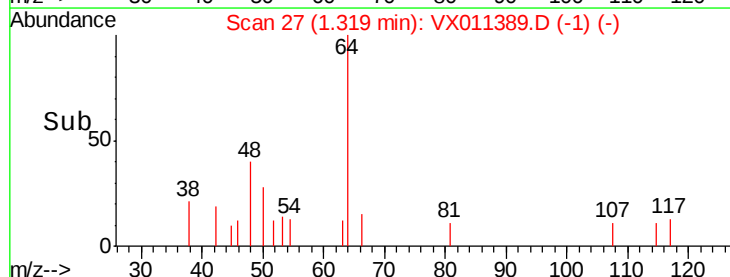
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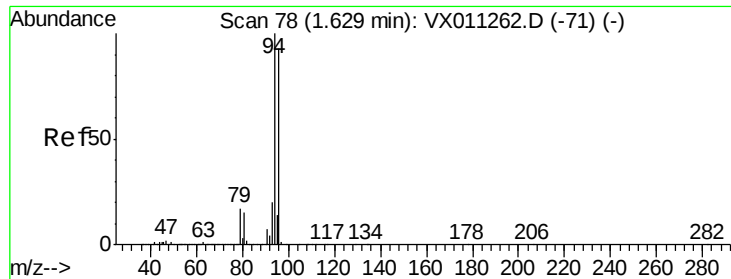
50

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.651 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011389.D

Acq: 08 Aug 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

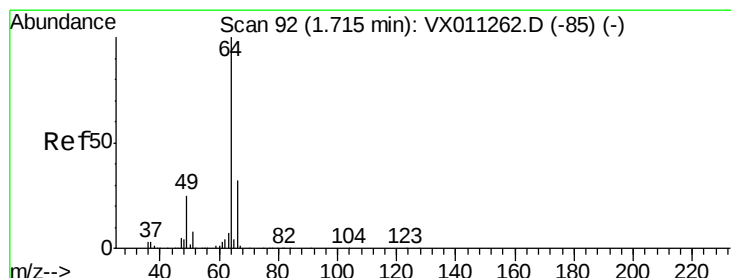
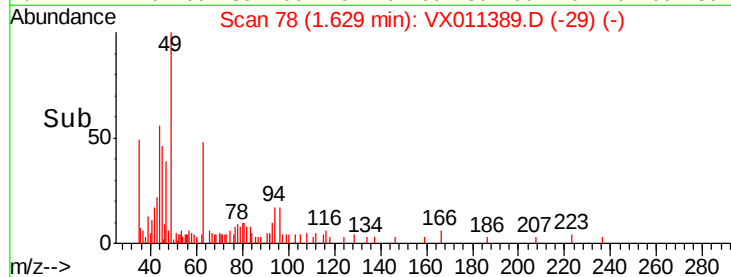
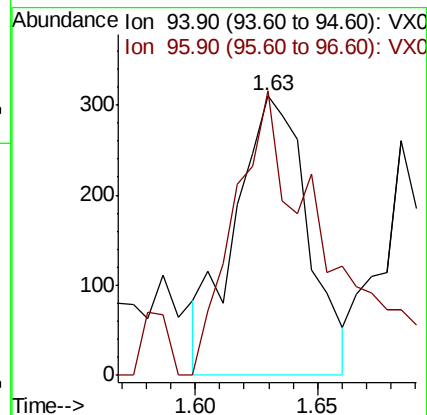
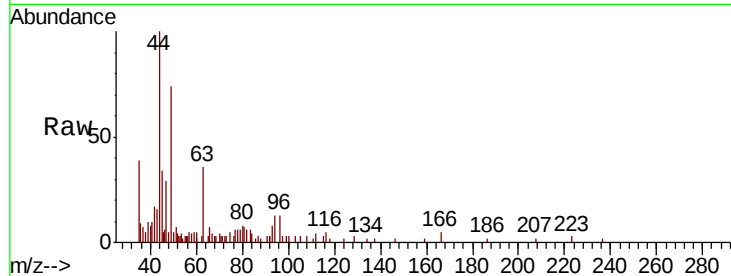
MW-24B_080719DL

Tgt Ion: 94 Resp: 641

Ion Ratio Lower Upper

94 100

96 122.5 74.6 112.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011389.D

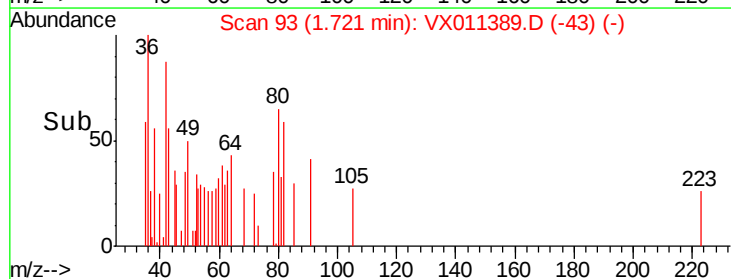
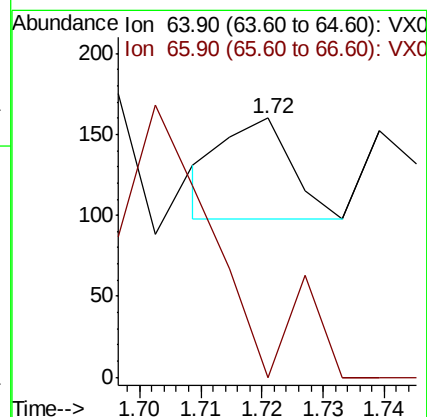
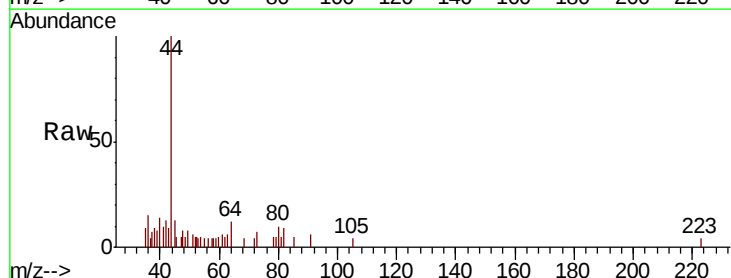
Acq: 08 Aug 2019 14:05

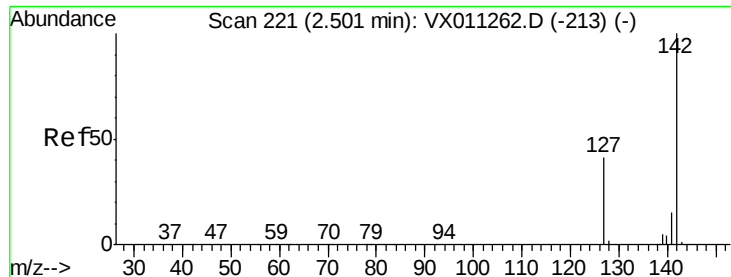
Tgt Ion: 64 Resp: 47

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

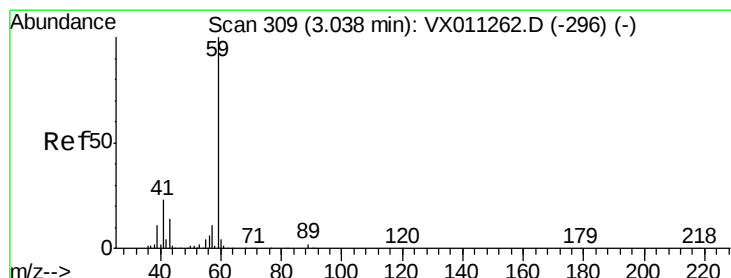
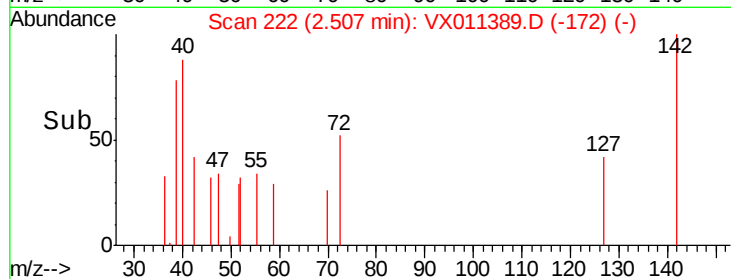
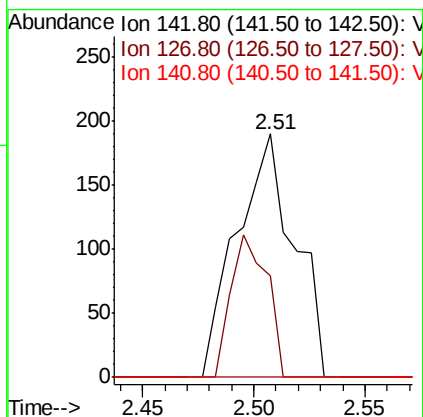
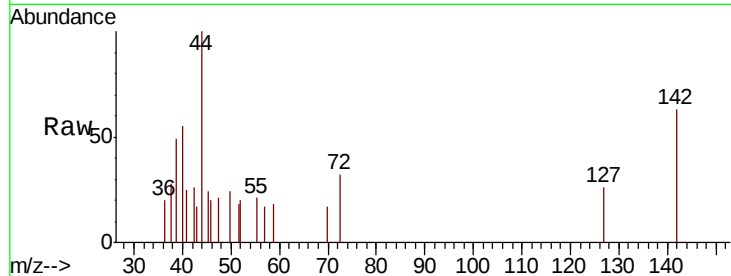




#10
Methyl Iodide
Concen: 0.203 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.01 min
Lab File: VX011389.D
Acq: 08 Aug 2019 14:05

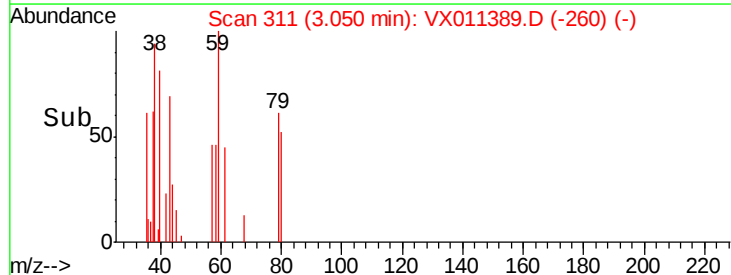
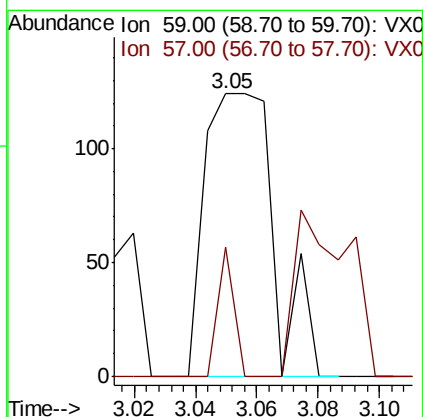
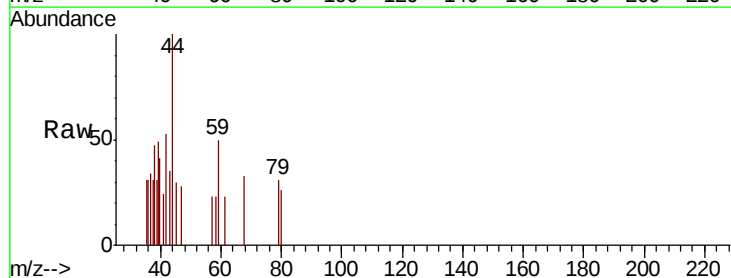
Instrument :
MSVOA_X
ClientSampleId :
MW-24B_080719DL

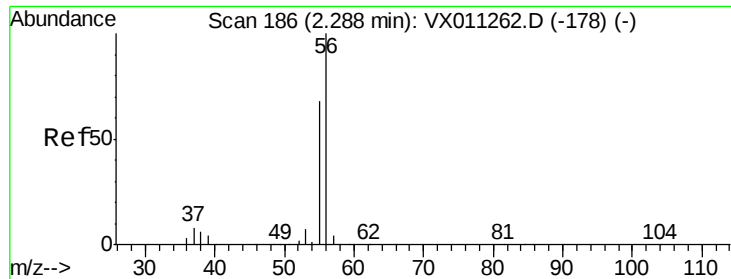
Tgt Ion: 142 Resp: 340
Ion Ratio Lower Upper
142 100
127 36.8 33.8 50.8
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.690 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX011389.D
Acq: 08 Aug 2019 14:05

Tgt Ion: 59 Resp: 194
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5

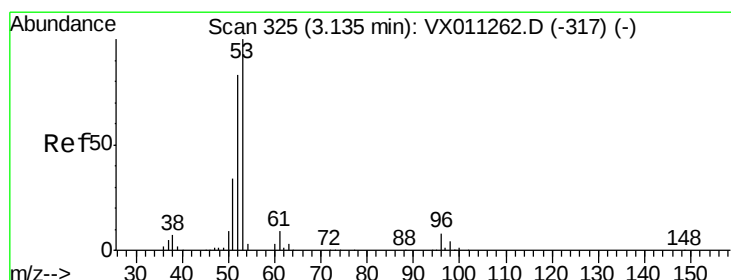
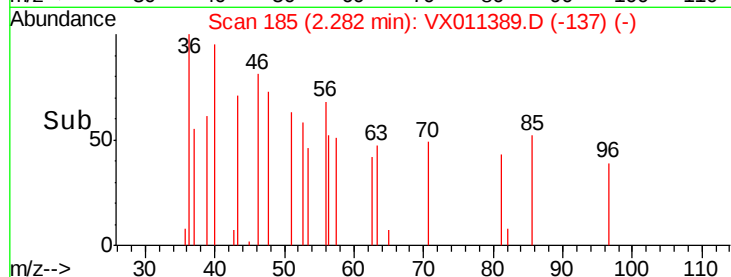
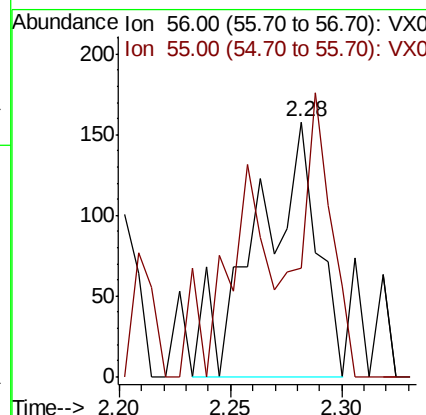
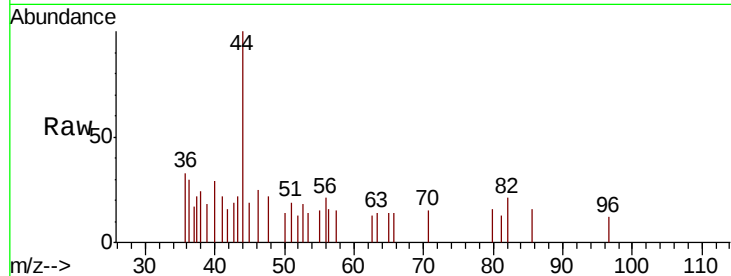




#13
Acrolein
Concen: 1.202 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX011389.D
Acq: 08 Aug 2019 14:05

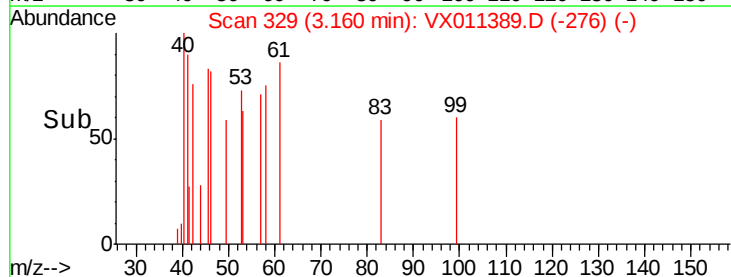
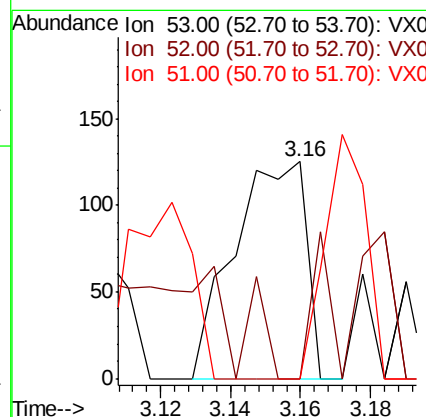
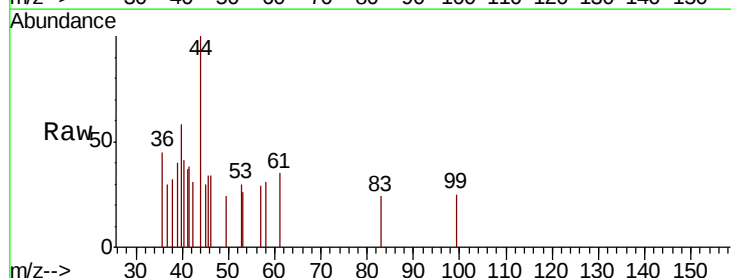
Instrument :
MSVOA_X
ClientSampleId :
MW-24B_080719DL

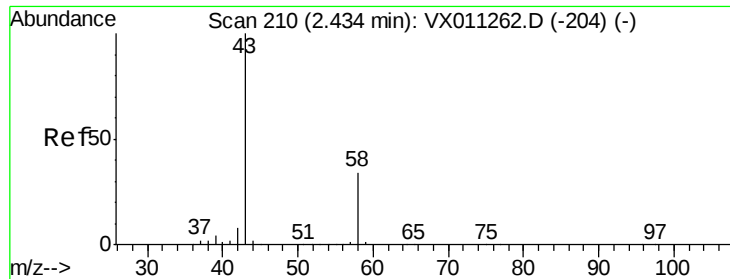
Tgt Ion: 56 Resp: 293
Ion Ratio Lower Upper
56 100
55 58.7 56.0 84.0



#15
Acrylonitrile
Concen: 0.258 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.02 min
Lab File: VX011389.D
Acq: 08 Aug 2019 14:05

Tgt Ion: 53 Resp: 179
Ion Ratio Lower Upper
53 100
52 17.3 65.5 98.3#
51 0.0 27.9 41.9#





#16

Acetone

Concen: 0.933 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.02 min

Lab File: VX011389.D

Acq: 08 Aug 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

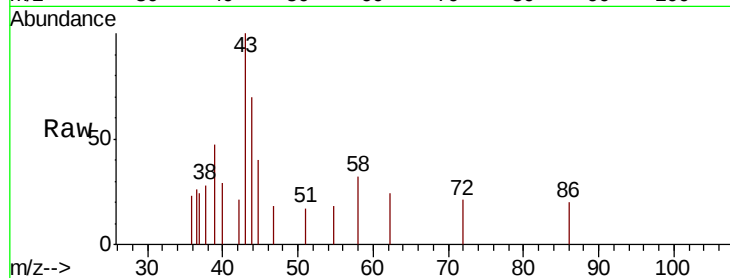
MW-24B_080719DL

Tgt Ion: 43 Resp: 647

Ion Ratio Lower Upper

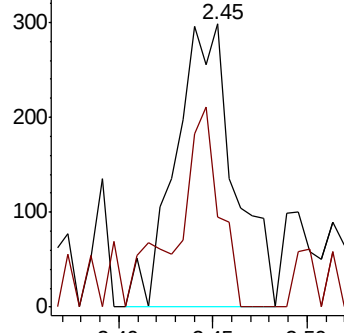
43 100

58 31.9 27.4 41.0

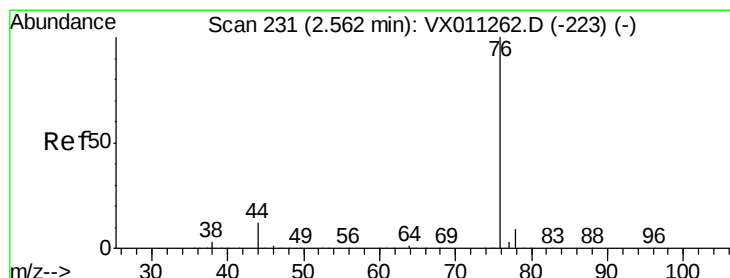
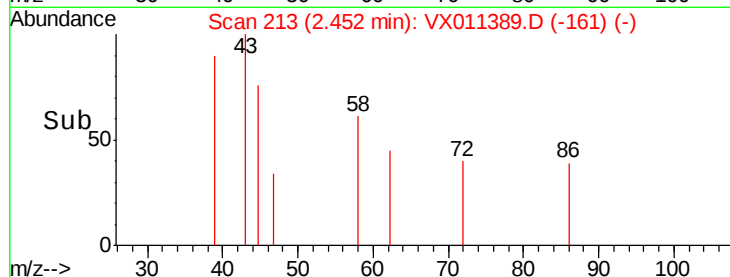


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.226 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011389.D

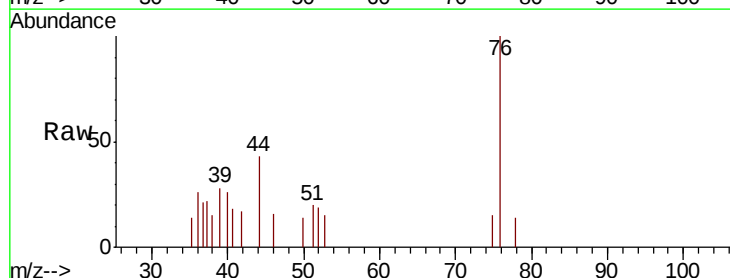
Acq: 08 Aug 2019 14:05

Tgt Ion: 76 Resp: 697

Ion Ratio Lower Upper

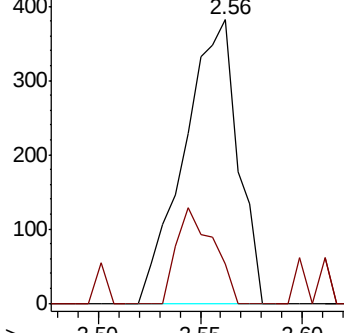
76 100

78 13.9 7.4 11.0#

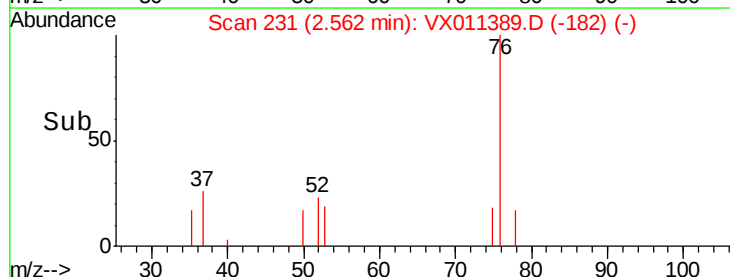


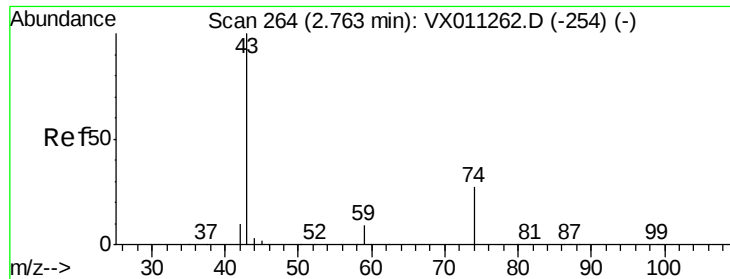
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->

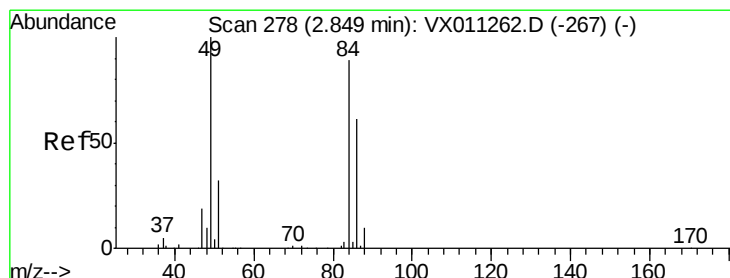
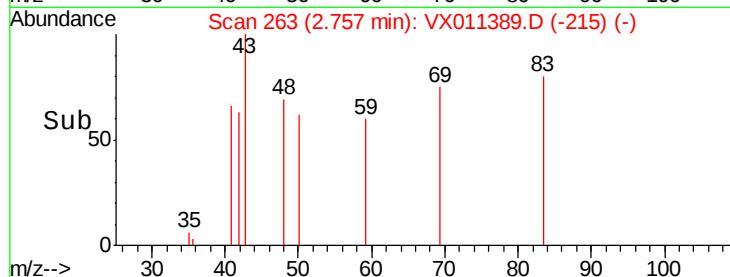
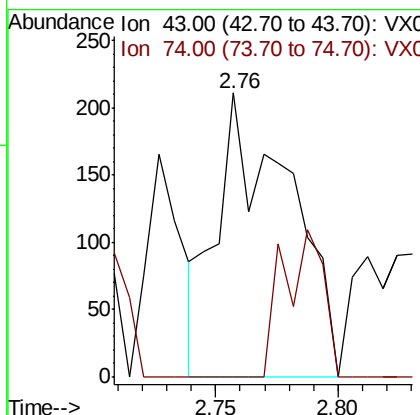
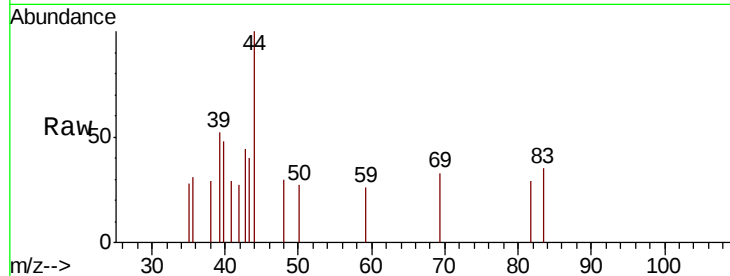




#18
Methyl Acetate
Concen: 0.275 ug/l
RT: 2.76 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX011389.D
Acq: 08 Aug 2019 14:05

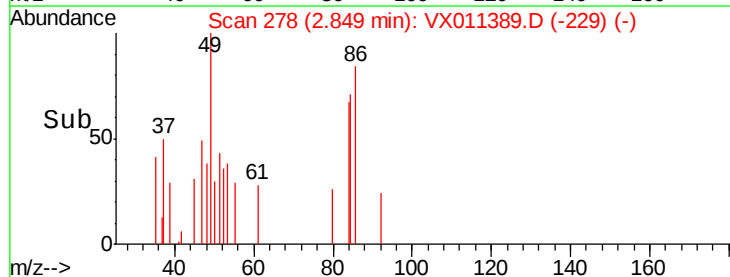
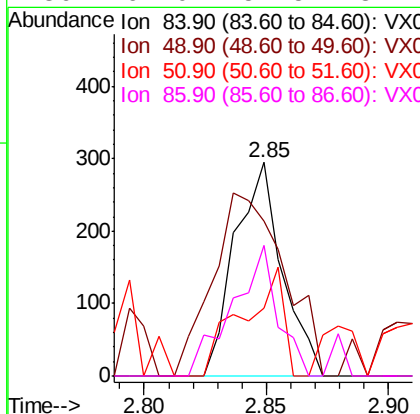
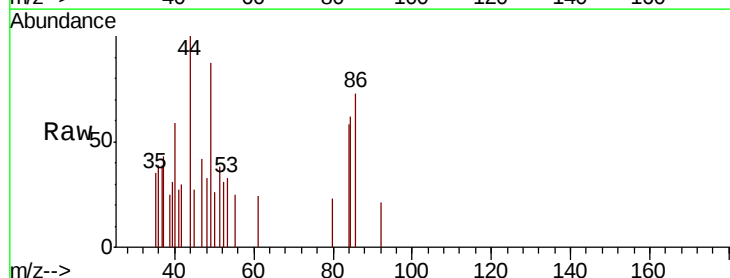
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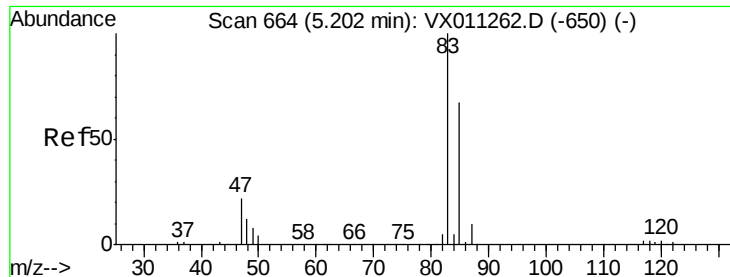
Tgt Ion: 43 Resp: 436
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#



#20
Methylene Chloride
Concen: 0.260 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011389.D
Acq: 08 Aug 2019 14:05

Tgt Ion: 84 Resp: 395
Ion Ratio Lower Upper
84 100
49 72.5 89.3 133.9#
51 31.5 28.3 42.5
86 61.0 54.5 81.7

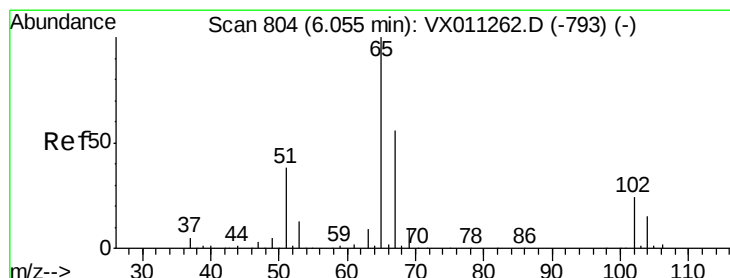
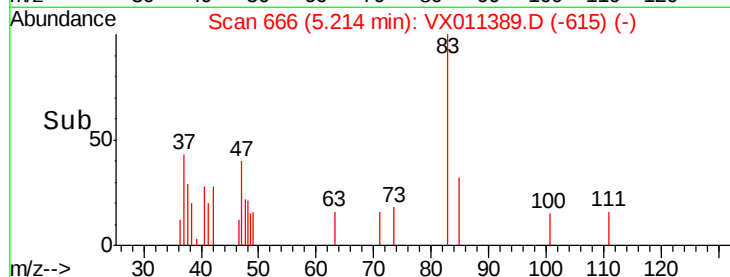
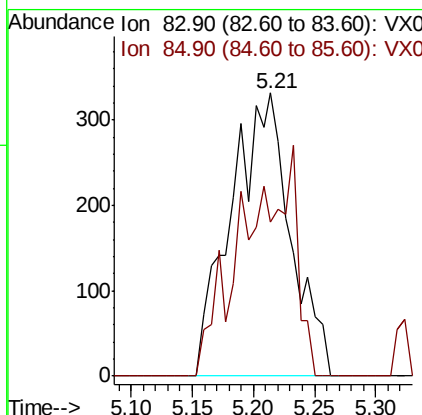
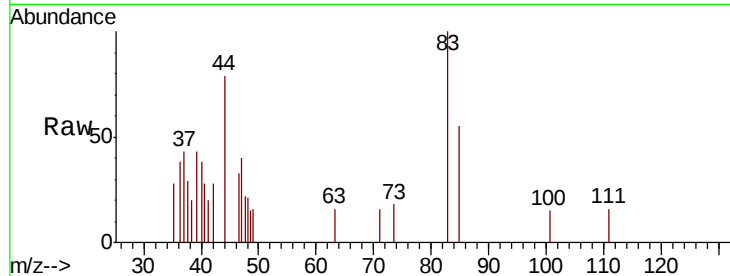




#30
Chloroform
Concen: 0.454 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX011389.D
Acq: 08 Aug 2019 14:05

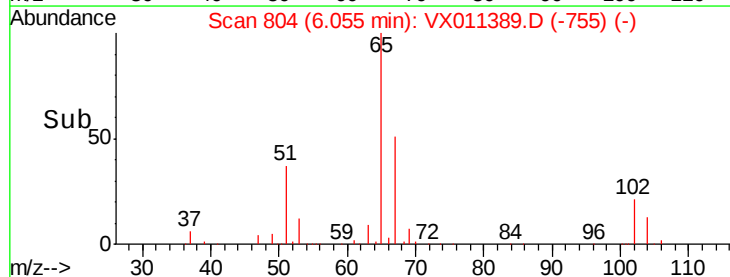
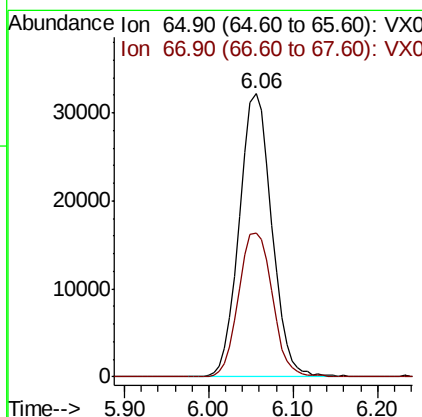
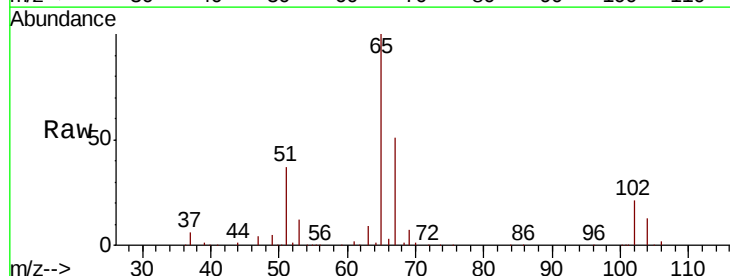
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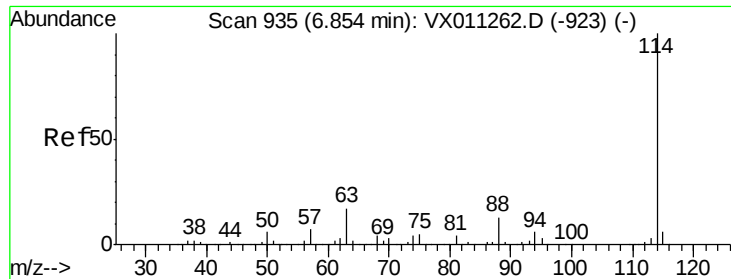
Tgt Ion: 83 Resp: 1122
Ion Ratio Lower Upper
83 100
85 54.5 53.4 80.0



#33
1,2-Dichloroethane-d4
Concen: 57.610 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011389.D
Acq: 08 Aug 2019 14:05

Tgt Ion: 65 Resp: 83971
Ion Ratio Lower Upper
65 100
67 53.3 0.0 110.6

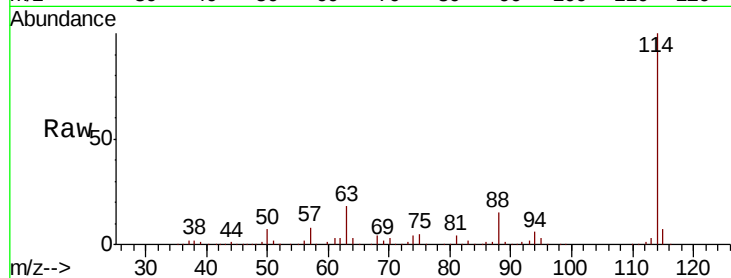




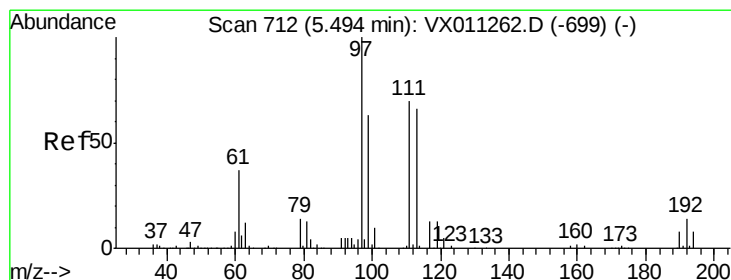
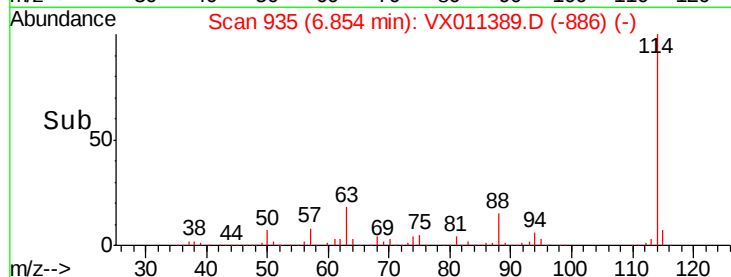
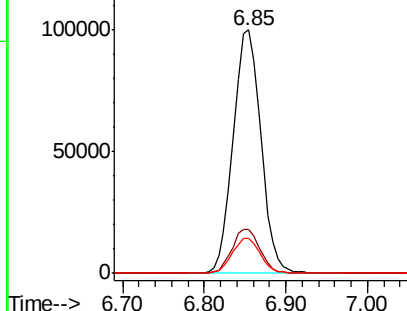
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011389.D
 Acq: 08 Aug 2019 14:05

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-24B_080719DL

Tgt Ion:114 Resp: 23529
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 34.0
 88 14.5 0.0 26.4

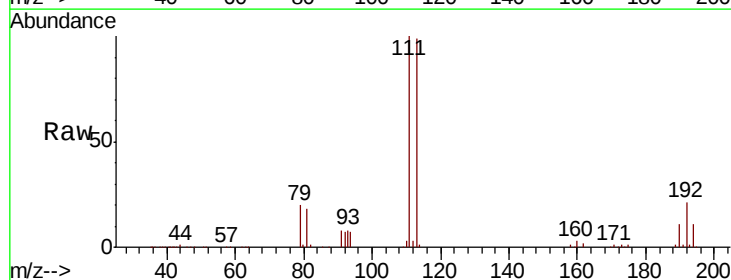


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

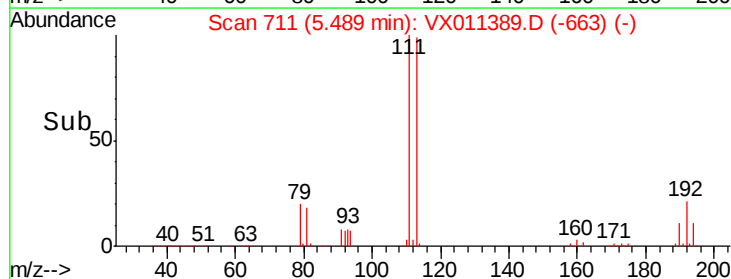
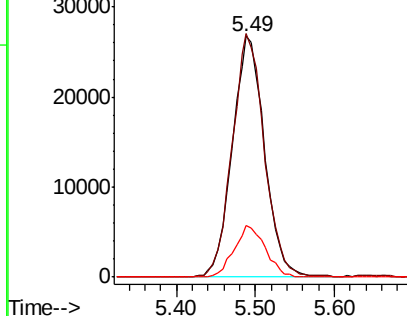


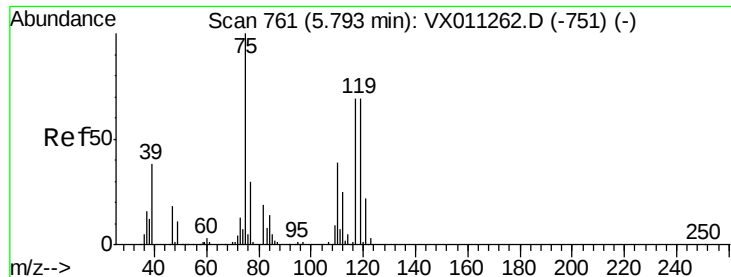
#35
 Dibromofluoromethane
 Concen: 49.273 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011389.D
 Acq: 08 Aug 2019 14:05

Tgt Ion:113 Resp: 75768
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.9 122.9
 192 21.0 17.8 26.8



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: 4.774 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.15 min

Lab File: VX011389.D

Acq: 08 Aug 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

MW-24B_080719DL

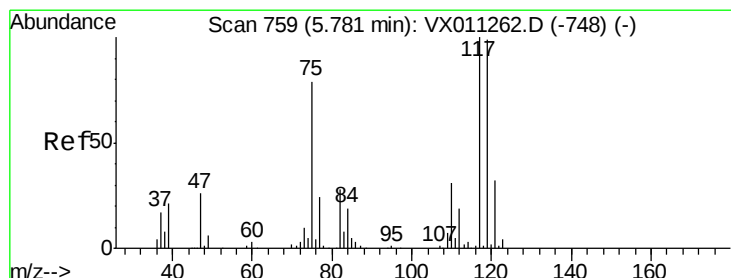
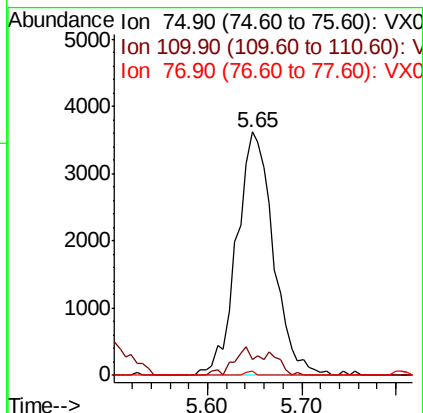
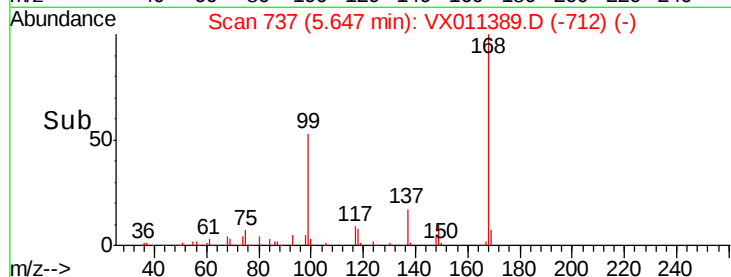
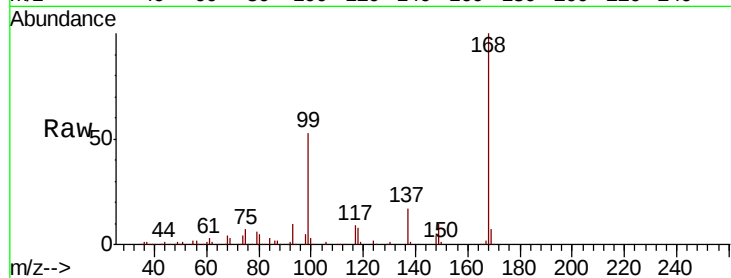
Tgt Ion: 75 Resp: 9817

Ion Ratio Lower Upper

75 100

110 7.6 20.0 59.9#

77 0.4 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.470 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011389.D

Acq: 08 Aug 2019 14:05

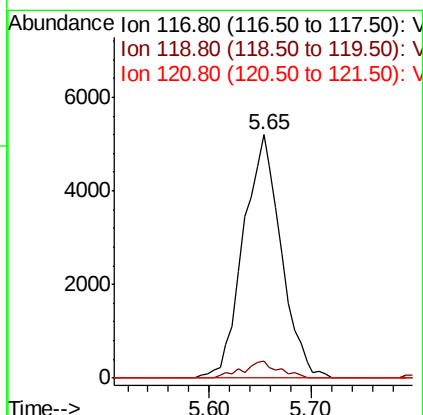
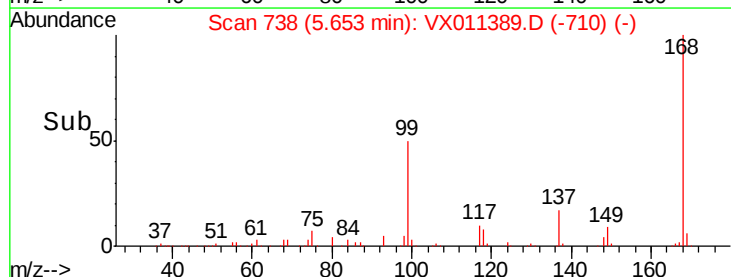
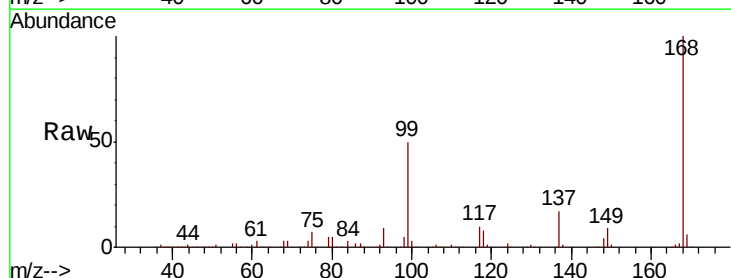
Tgt Ion: 117 Resp: 13385

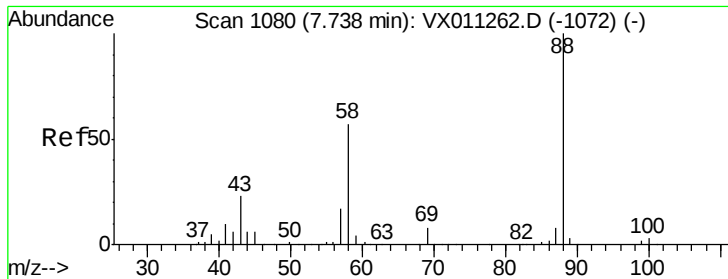
Ion Ratio Lower Upper

117 100

119 7.1 79.0 118.4#

121 0.0 25.9 38.9#

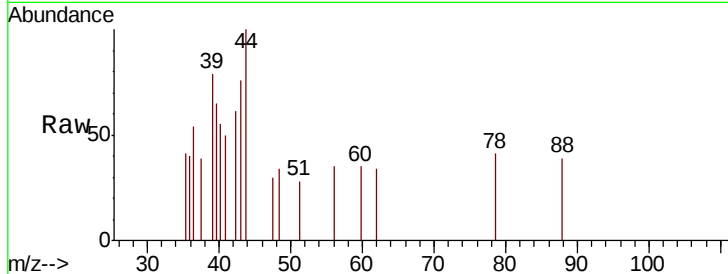




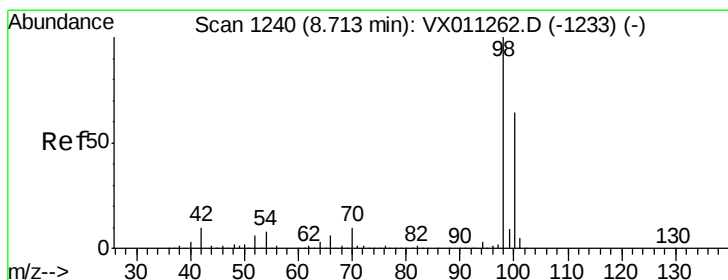
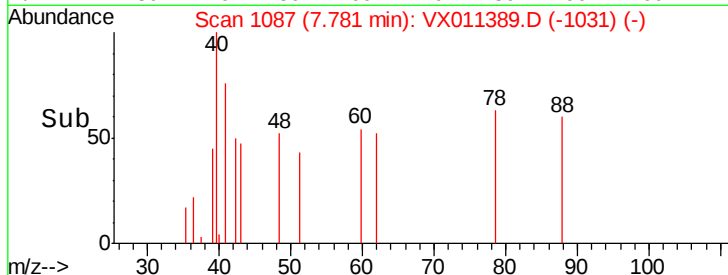
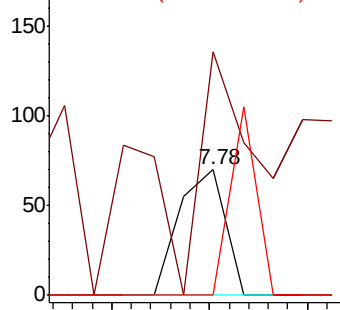
#49
1,4-Dioxane
Concen: 1.022 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.04 min
Lab File: VX011389.D
Acq: 08 Aug 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
MW-24B_080719DL

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 228.3 22.2 33.2#
58 82.6 47.8 71.8#

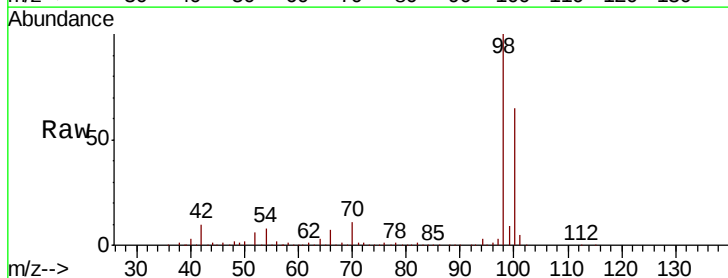


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

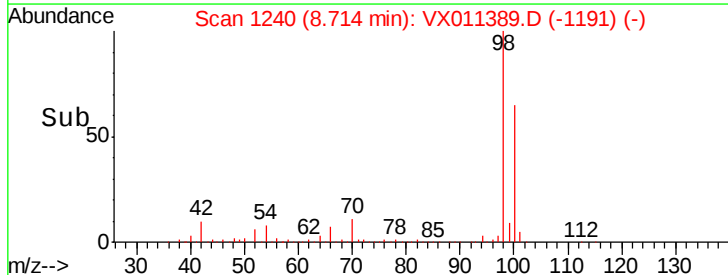
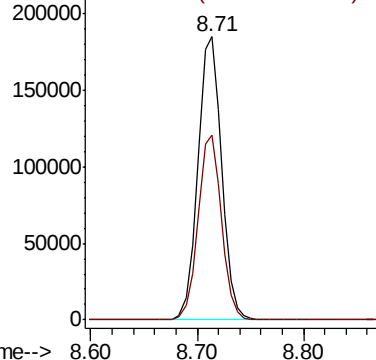


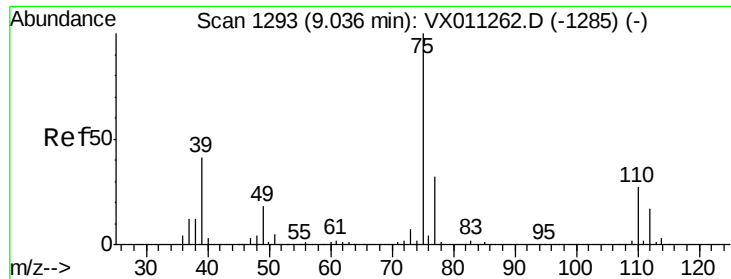
#50
Toluene-d8
Concen: 49.840 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011389.D
Acq: 08 Aug 2019 14:05

Tgt Ion: 98 Resp: 289292
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



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





#53

t-1,3-Dichloropropene

Concen: 2.857 ug/l

RT: 9.07 min Scan# 1298

Delta R.T. 0.03 min

Lab File: VX011389.D

Acq: 08 Aug 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

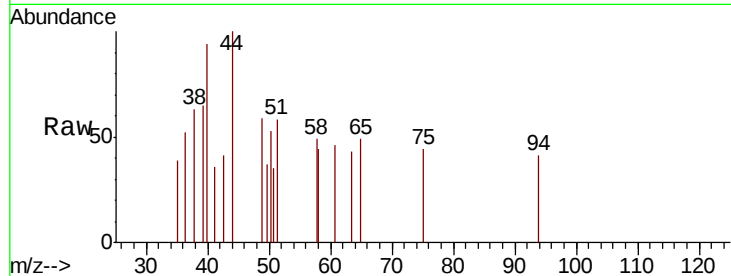
MW-24B_080719DL

Tgt Ion: 75 Resp: 46

Ion Ratio Lower Upper

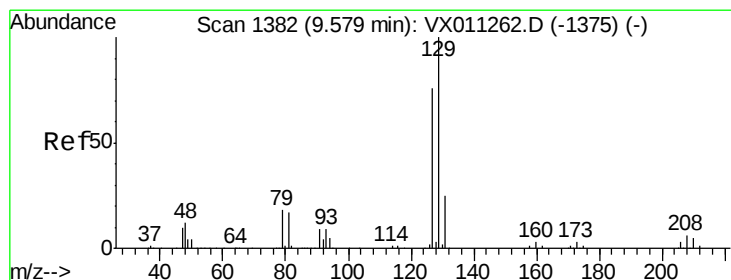
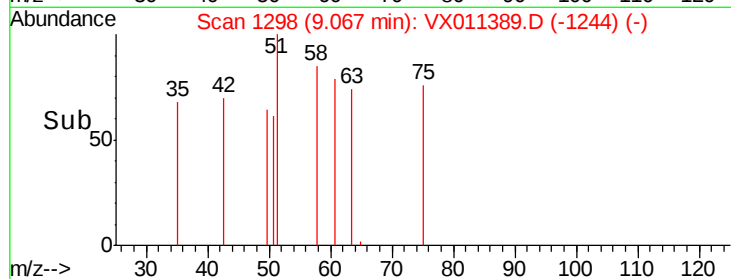
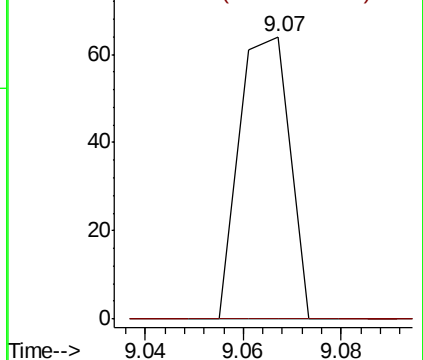
75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#60

Dibromochloromethane

Concen: 49.588 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX011389.D

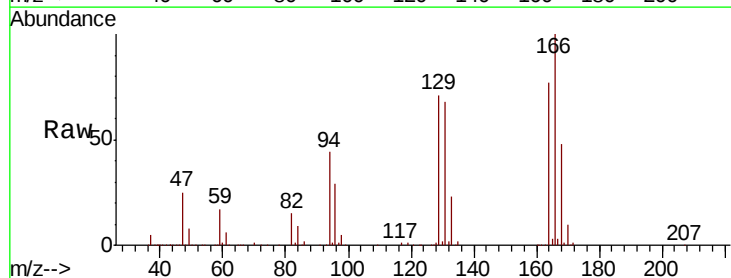
Acq: 08 Aug 2019 14:05

Tgt Ion: 129 Resp: 84690

Ion Ratio Lower Upper

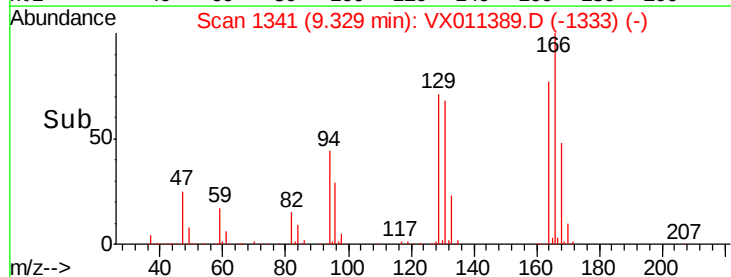
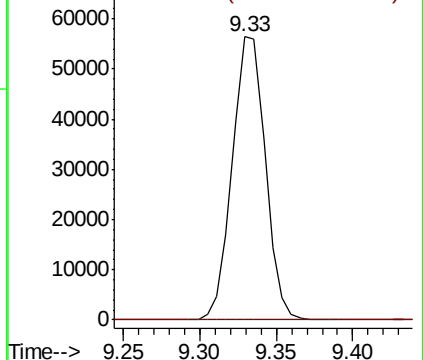
129 100

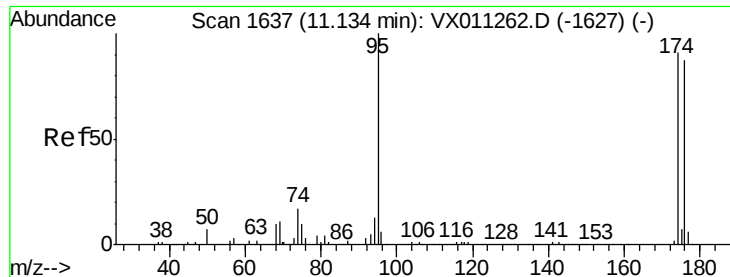
127 0.1 39.2 117.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 49.782 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011389.D

Acq: 08 Aug 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

MW-24B_080719DL

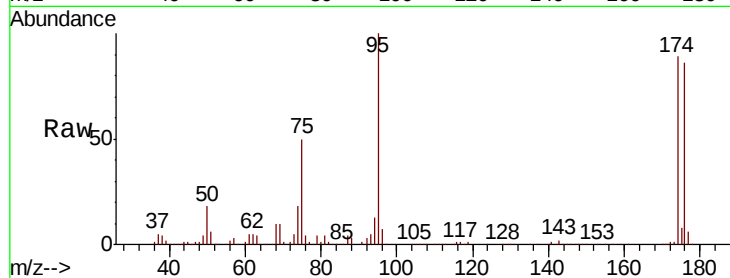
Tgt Ion: 95 Resp: 103165

Ion Ratio Lower Upper

95 100

174 91.4 0.0 191.2

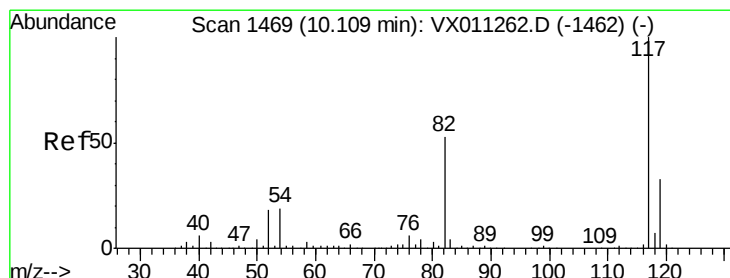
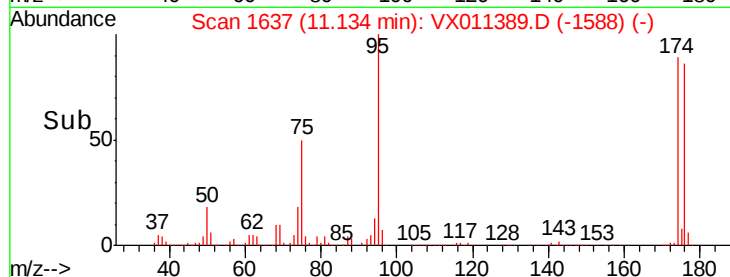
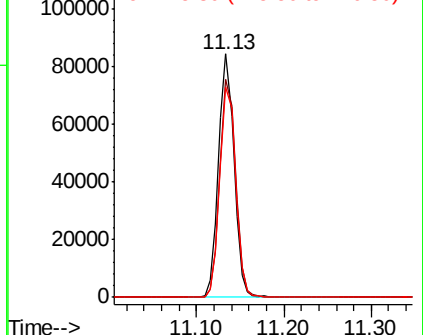
176 88.7 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011389.D

Acq: 08 Aug 2019 14:05

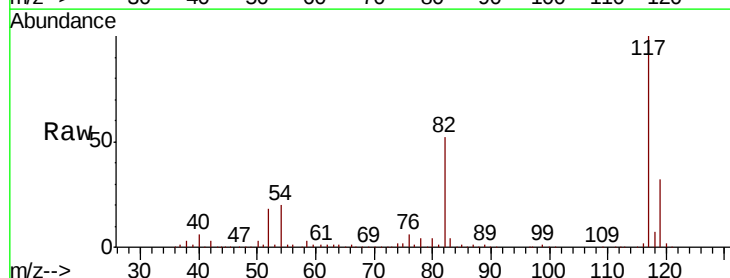
Tgt Ion: 117 Resp: 231107

Ion Ratio Lower Upper

117 100

82 51.8 42.2 63.2

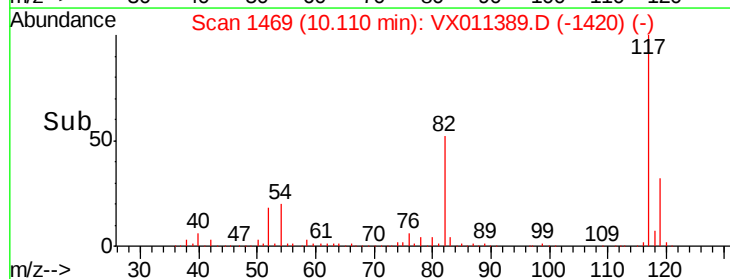
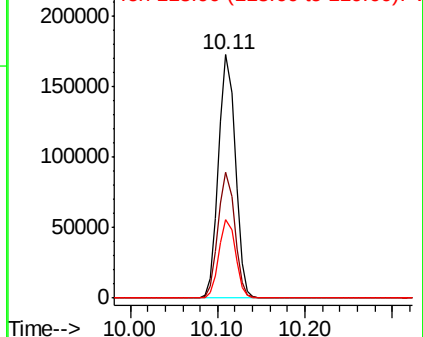
119 32.2 26.6 39.8

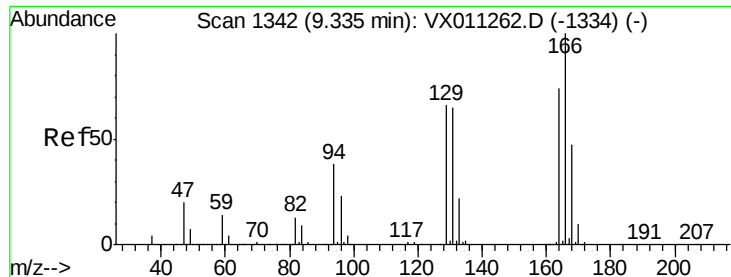


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

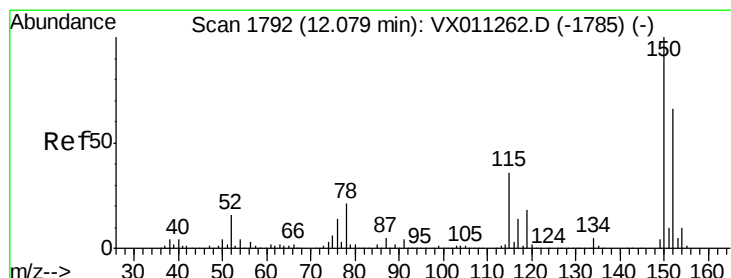
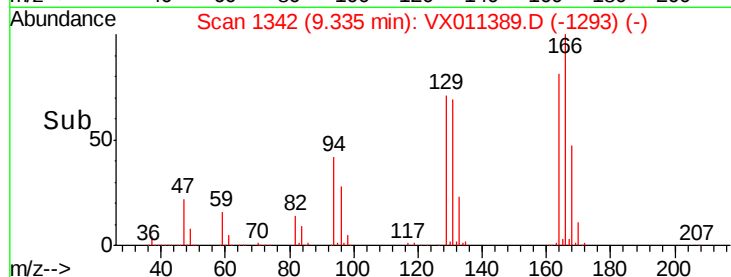
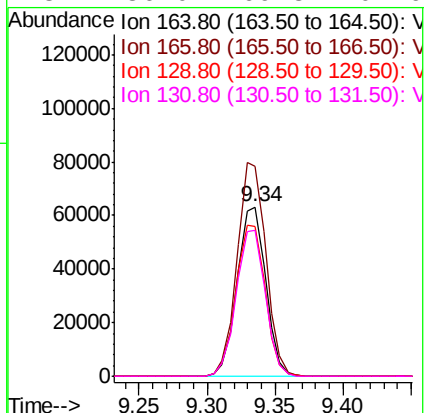
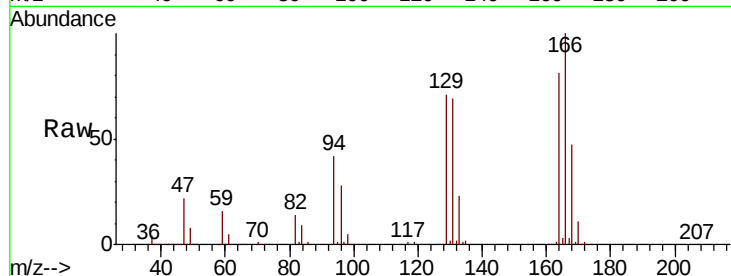




#64
Tetrachloroethene
Concen: 47.234 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011389.D
Acq: 08 Aug 2019 14:05

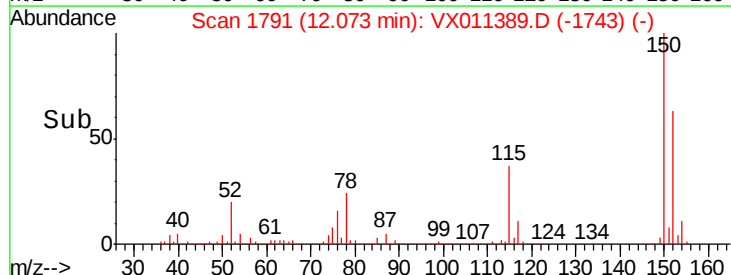
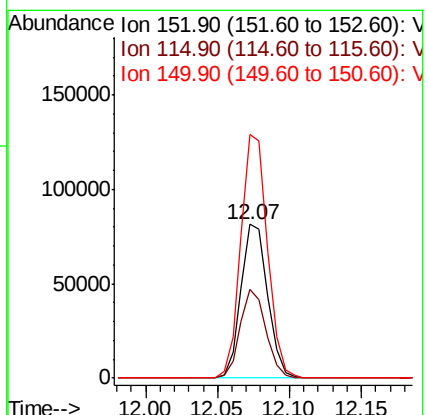
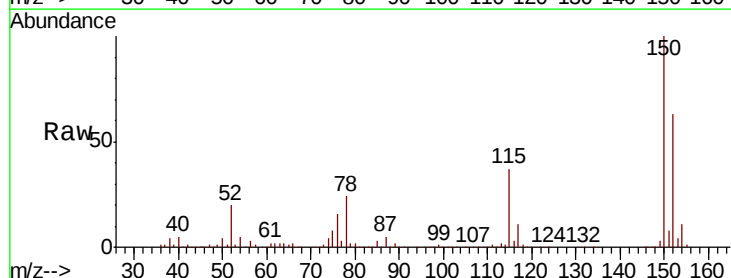
Instrument :
MSVOA_X
ClientSampleId :
MW-24B_080719DL

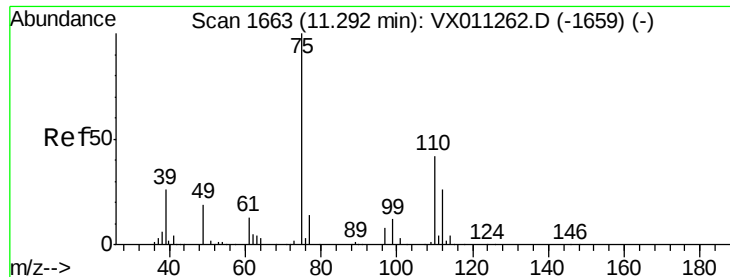
Tgt Ion:164 Resp: 92703
Ion Ratio Lower Upper
164 100
166 123.8 107.5 161.3
129 88.4 71.0 106.4
131 86.0 69.8 104.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011389.D
Acq: 08 Aug 2019 14:05

Tgt Ion:152 Resp: 105131
Ion Ratio Lower Upper
152 100
115 55.6 40.0 119.9
150 157.7 0.0 350.4

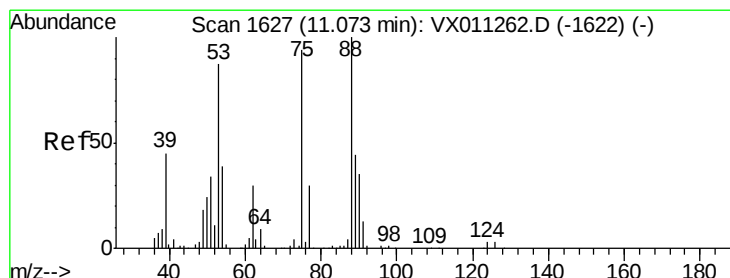
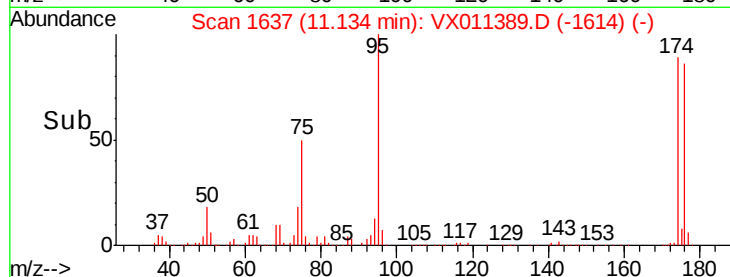
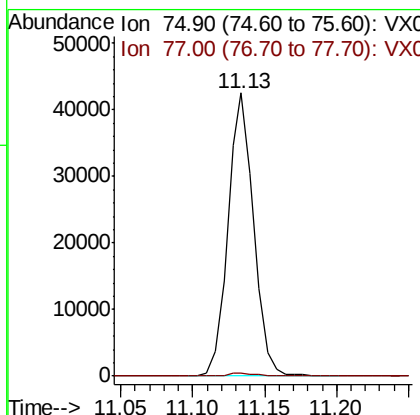
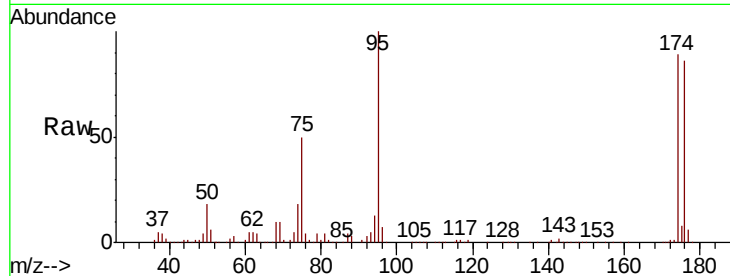




#76
 1,2,3-Trichloropropane
 Concen: 27.649 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011389.D
 Acq: 08 Aug 2019 14:05

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-24B_080719DL

Tgt Ion: 75 Resp: 52936
 Ion Ratio Lower Upper
 75 100
 77 1.0 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.673 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011389.D
 Acq: 08 Aug 2019 14:05

Tgt Ion: 75 Resp: 52936
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.0 37.9 56.9#

