

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080819\
 Data File : VX011390.D
 Acq On : 08 Aug 2019 14:29
 Operator : JC/SP
 Sample : K4220-07DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-24S_080719DL

Quant Time: Aug 09 04:24:59 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	5.66	168	153674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	250271	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	113100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	90121	58.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.46%	
35) Dibromofluoromethane	5.49	113	80816	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
50) Toluene-d8	8.71	98	310385	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.13	95	108244	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

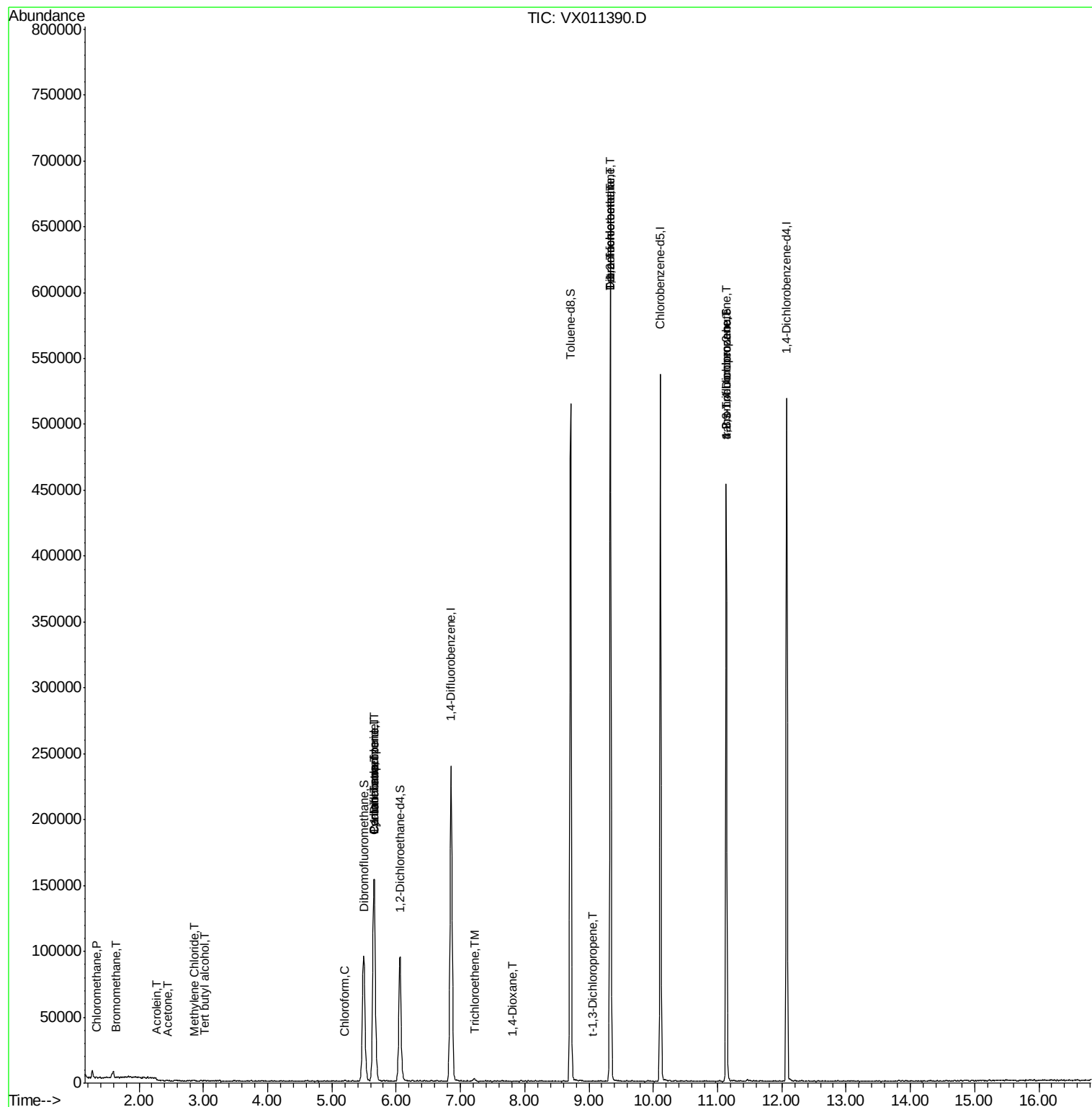
					Qvalue	
3) Chloromethane	1.34	50	348	0.261	ug/l	98
5) Bromomethane	1.65	94	376	0.360	ug/l	86
6) Chloroethane	1.75	64	713	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	323	1.069	ug/l #	55
13) Acrolein	2.28	56	134	0.277	ug/l #	71
16) Acetone	2.44	43	553	0.751	ug/l #	85
20) Methylene Chloride	2.85	84	337	0.209	ug/l #	71
30) Chloroform	5.20	83	584	0.222	ug/l	96
31) Cyclohexane	5.65	56	3038	1.524	ug/l #	16
36) 1,1-Dichloropropene	5.65	75	10741	4.916	ug/l #	49
38) Carbon Tetrachloride	5.65	117	14412	6.556	ug/l #	16
44) Trichloroethene	7.21	130	827	0.419	ug/l	68
49) 1,4-Dioxane	7.81	88	20	0.418	ug/l #	2
53) t-1,3-Dichloropropene	9.07	75	19	2.846	ug/l #	1
55) 1,1,2-Trichloroethane	9.34	97	1106	0.624	ug/l #	1
60) Dibromochloromethane	9.34	129	121077	66.718	ug/l #	10
64) Tetrachloroethene	9.34	164	131087	63.608	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	55655	27.021	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	55655	70.148	ug/l #	10

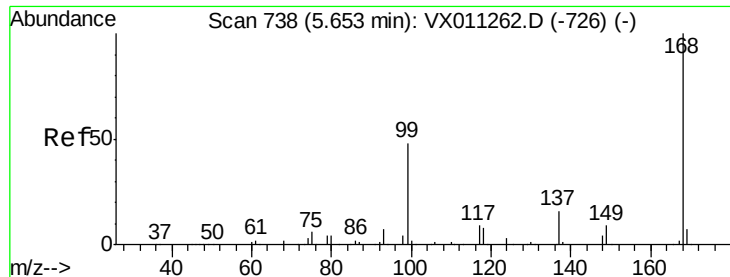
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX080819\
Data File : VX011390.D
Acq On : 08 Aug 2019 14:29
Operator : JC/SP
Sample : K4220-07DL 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-24S_080719DL

Quant Time: Aug 09 04:24:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 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: VX011390.D

Acq: 08 Aug 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

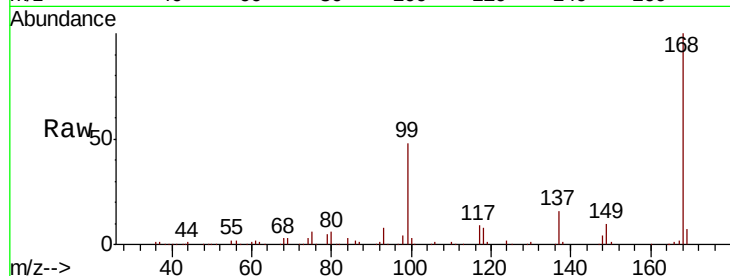
MW-24S_080719DL

Tgt Ion:168 Resp: 153674

Ion Ratio Lower Upper

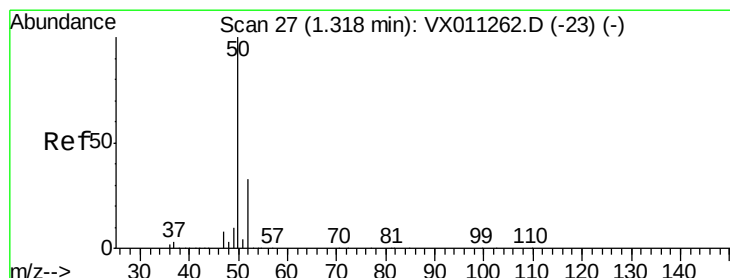
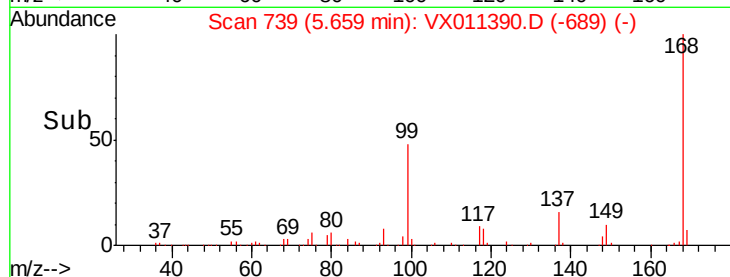
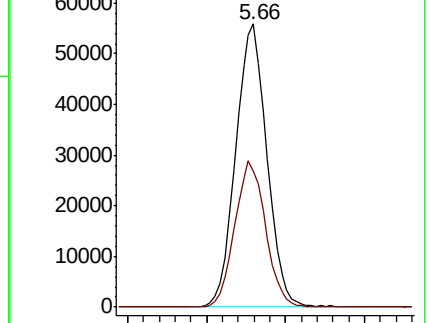
168 100

99 48.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.261 ug/l

RT: 1.34 min Scan# 30

Delta R.T. 0.02 min

Lab File: VX011390.D

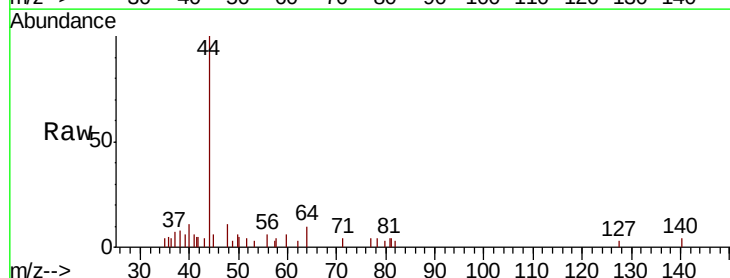
Acq: 08 Aug 2019 14:29

Tgt Ion: 50 Resp: 348

Ion Ratio Lower Upper

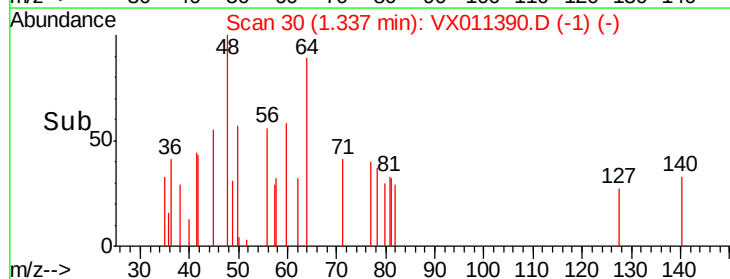
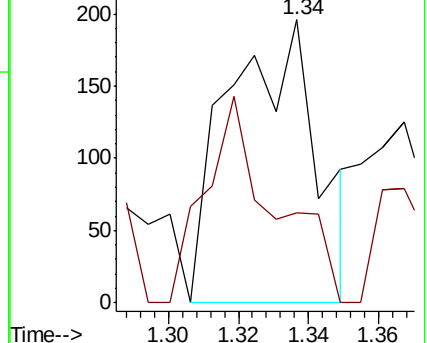
50 100

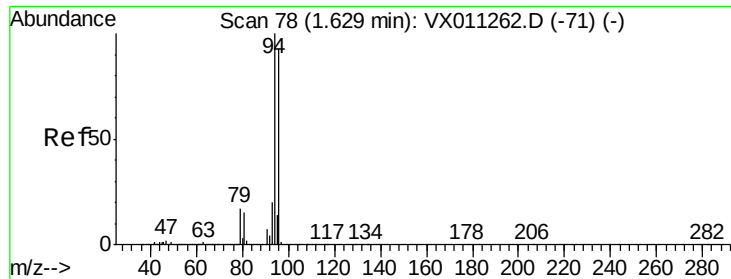
52 31.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.360 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011390.D

Acq: 08 Aug 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

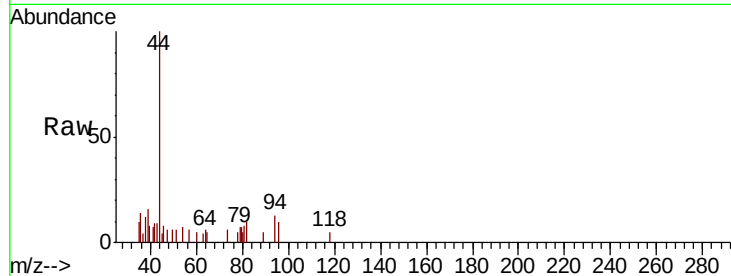
MW-24S_080719DL

Tgt Ion: 94 Resp: 376

Ion Ratio Lower Upper

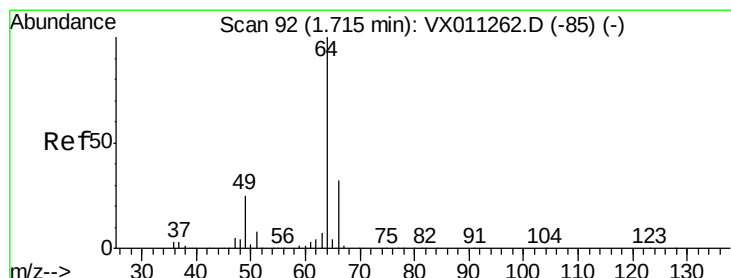
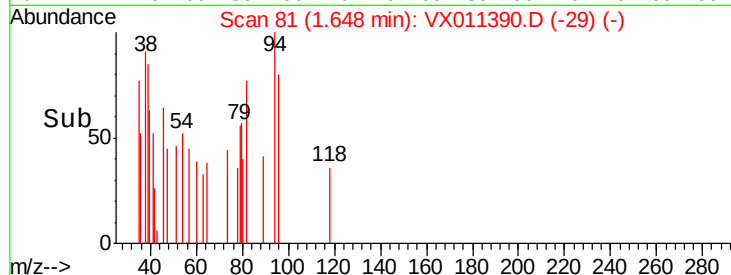
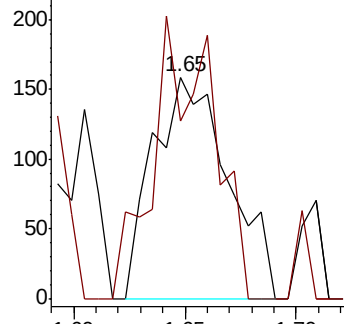
94 100

96 79.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 98

Delta R.T. 0.04 min

Lab File: VX011390.D

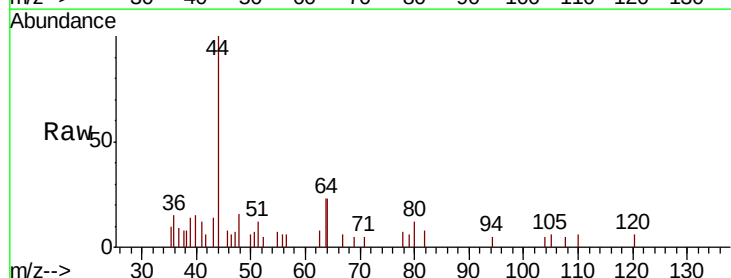
Acq: 08 Aug 2019 14:29

Tgt Ion: 64 Resp: 713

Ion Ratio Lower Upper

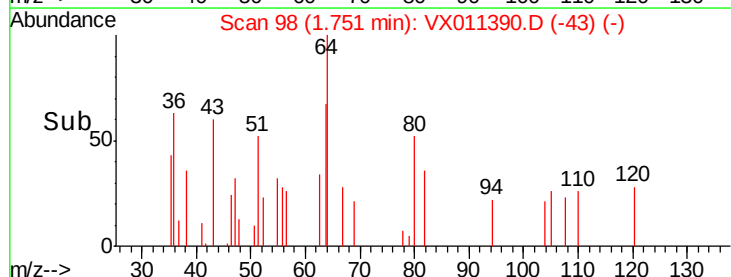
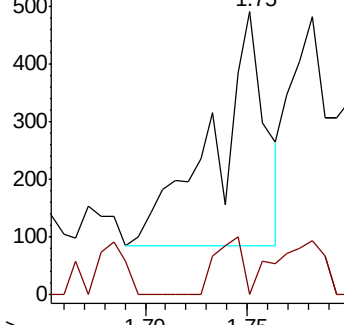
64 100

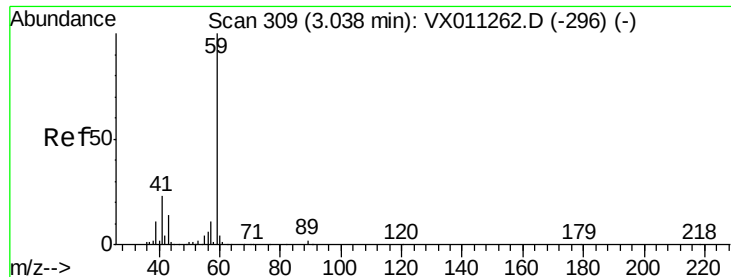
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



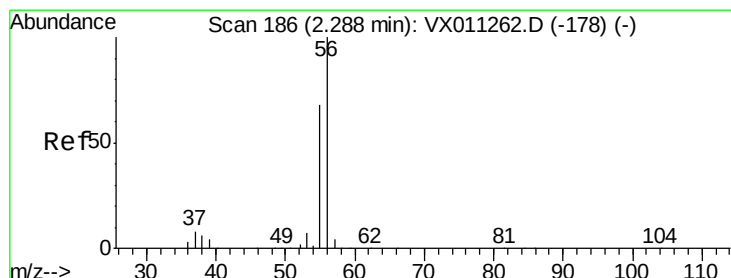
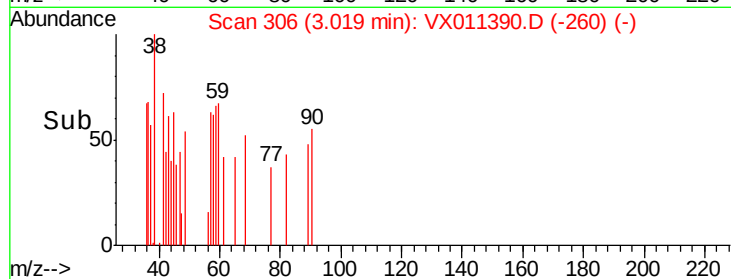
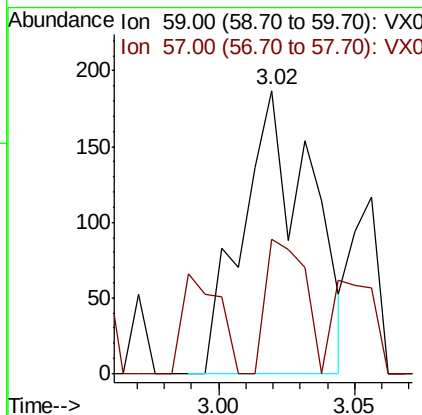
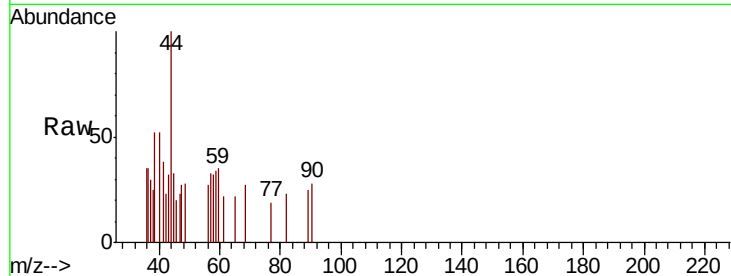


#11

Tert butyl alcohol
Concen: 1.069 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX011390.D
Acq: 08 Aug 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW-24S_080719DL

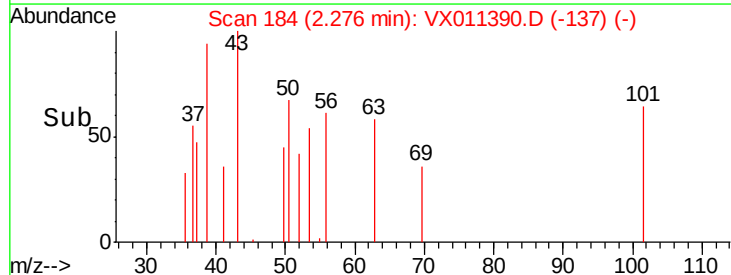
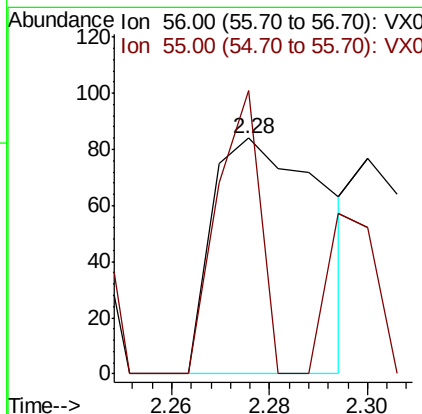
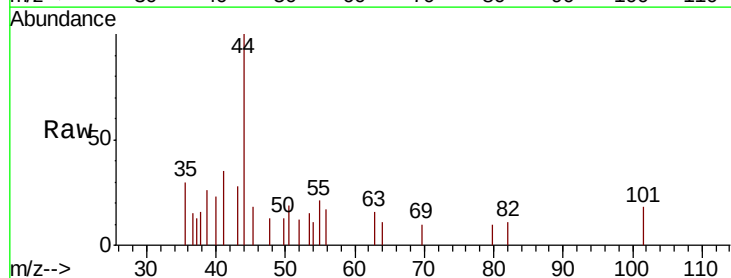
Tgt Ion: 59 Resp: 323
Ion Ratio Lower Upper
59 100
57 27.2 8.3 12.5#

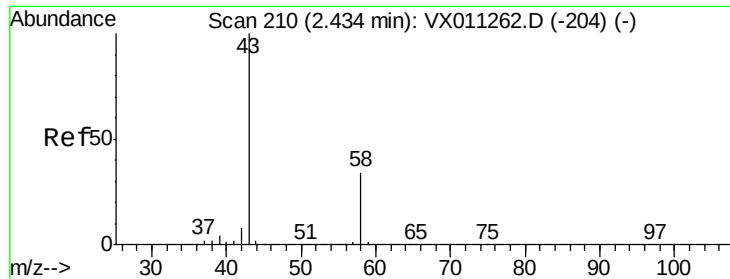


#13

Acrolein
Concen: 0.277 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.01 min
Lab File: VX011390.D
Acq: 08 Aug 2019 14:29

Tgt Ion: 56 Resp: 134
Ion Ratio Lower Upper
56 100
55 46.3 56.0 84.0#





#16

Acetone

Concen: 0.751 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011390.D

Acq: 08 Aug 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

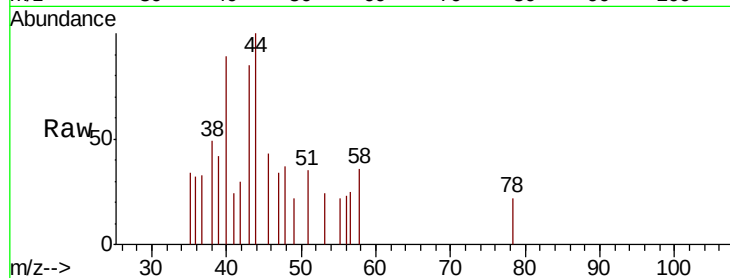
MW-24S_080719DL

Tgt Ion: 43 Resp: 553

Ion Ratio Lower Upper

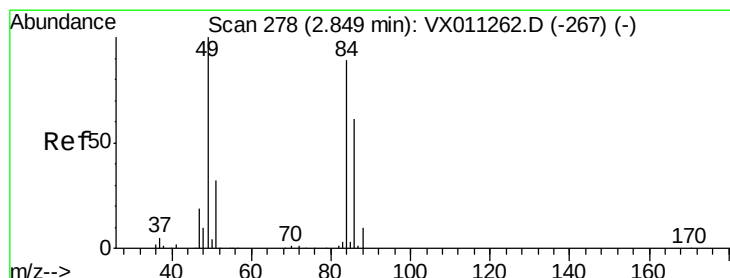
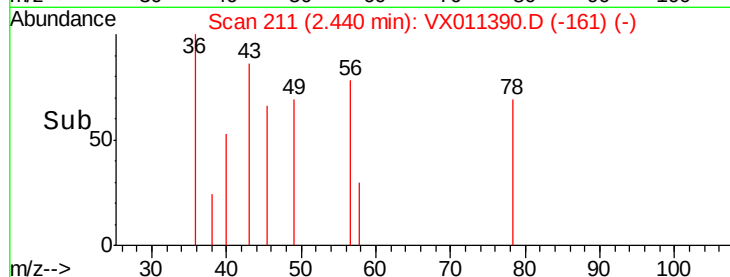
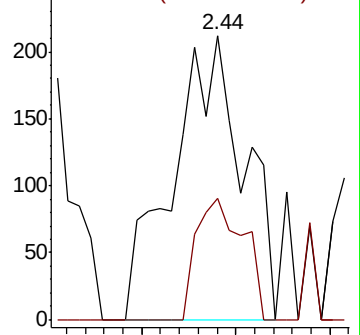
43 100

58 42.9 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.209 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.01 min

Lab File: VX011390.D

Acq: 08 Aug 2019 14:29

Tgt Ion: 84 Resp: 337

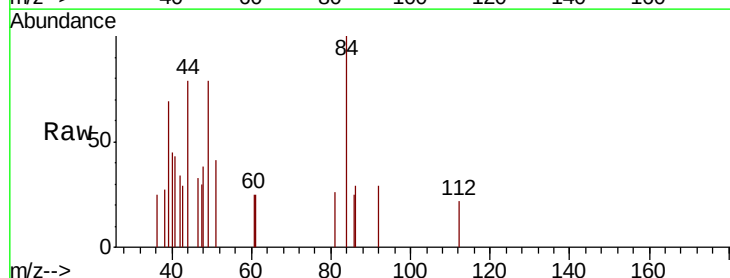
Ion Ratio Lower Upper

84 100

49 78.5 89.3 133.9#

51 8.2 28.3 42.5#

86 54.5 54.5 81.7

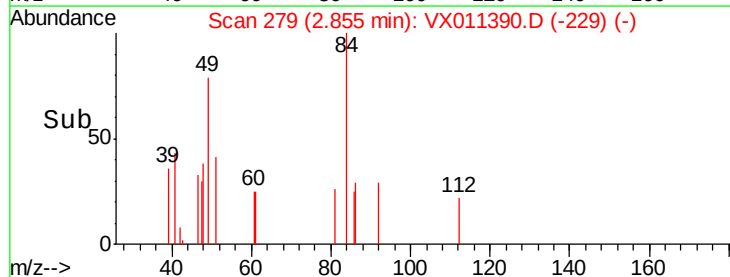
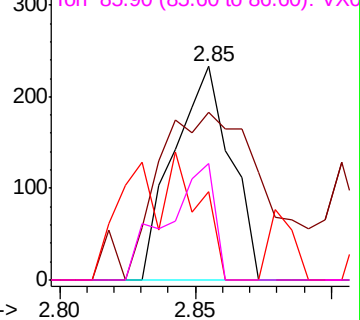


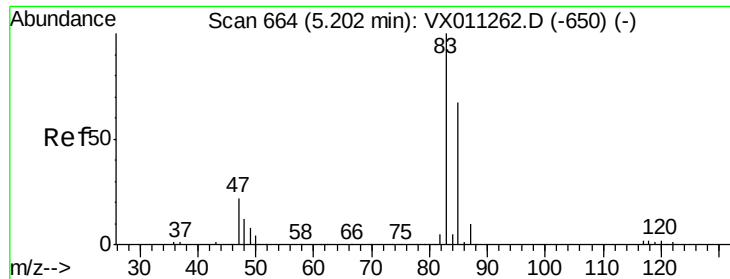
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

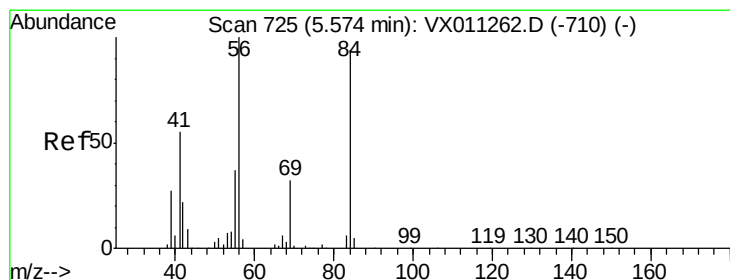
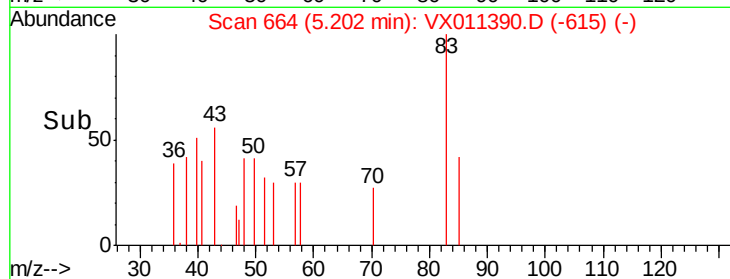
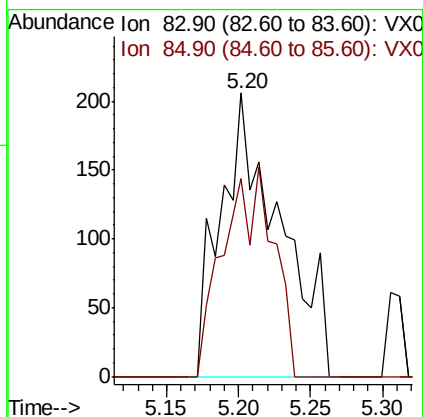
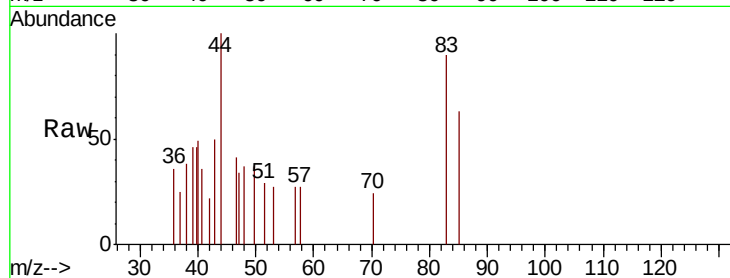




#30
Chloroform
Concen: 0.222 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011390.D
Acq: 08 Aug 2019 14:29

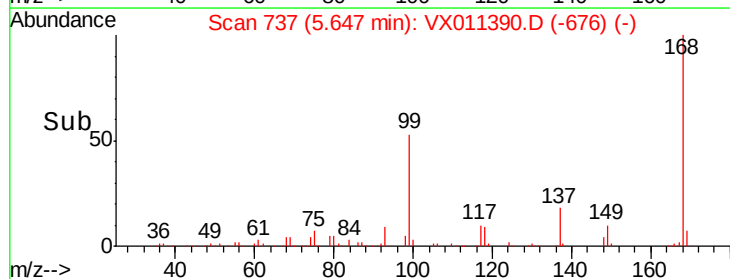
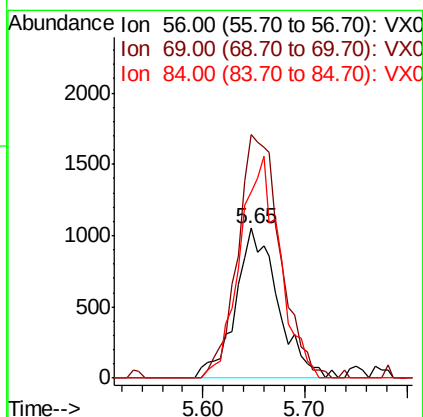
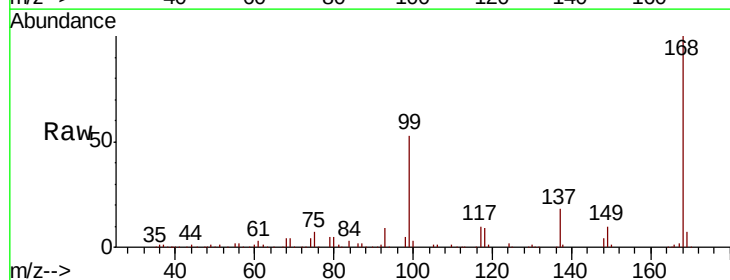
Instrument :
MSVOA_X
ClientSampleId :
MW-24S_080719DL

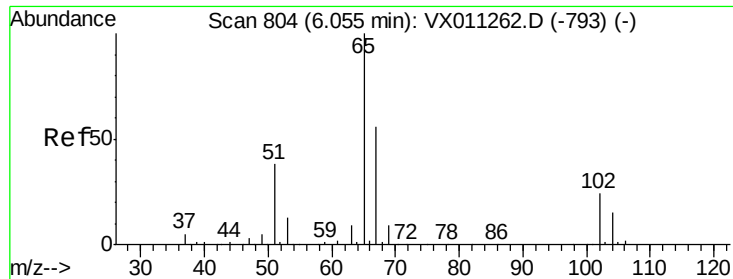
Tgt Ion: 83 Resp: 584
Ion Ratio Lower Upper
83 100
85 69.9 53.4 80.0



#31
Cyclohexane
Concen: 1.524 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.07 min
Lab File: VX011390.D
Acq: 08 Aug 2019 14:29

Tgt Ion: 56 Resp: 3038
Ion Ratio Lower Upper
56 100
69 162.7 25.5 38.3#
84 124.7 75.0 112.4#

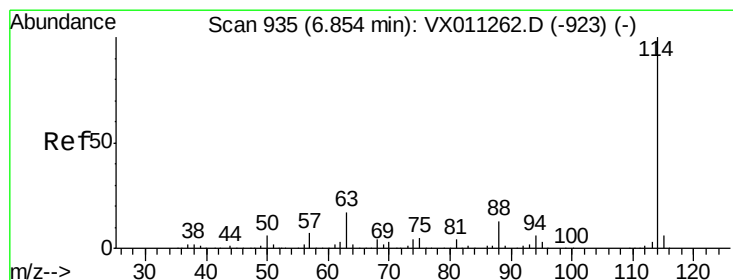
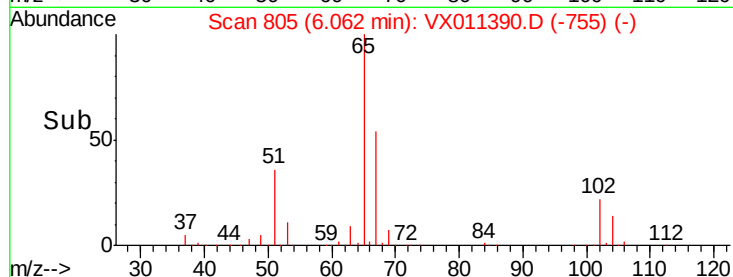
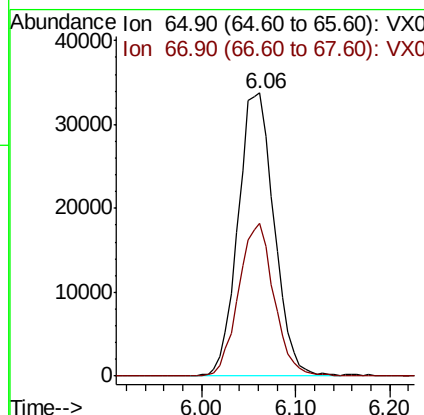
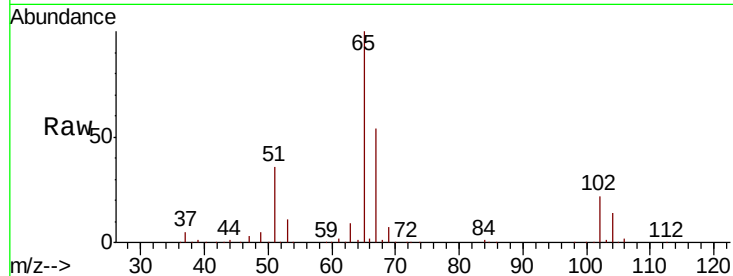




#33
 1,2-Dichloroethane-d4
 Concen: 58.234 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX011390.D
 Acq: 08 Aug 2019 14:29

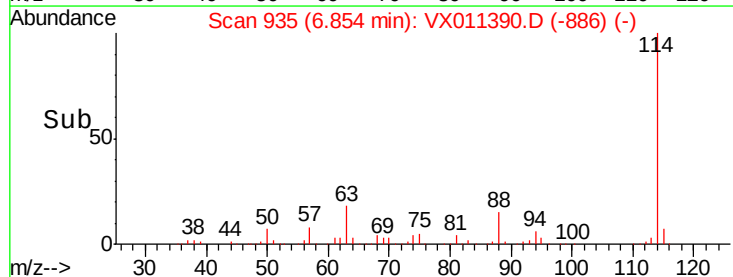
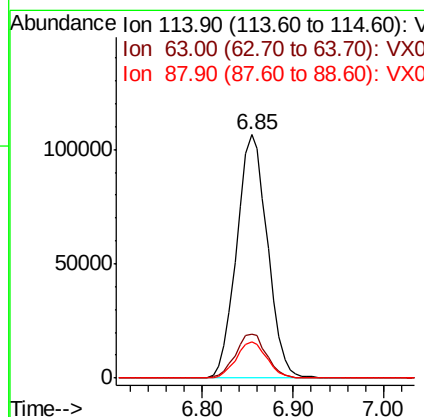
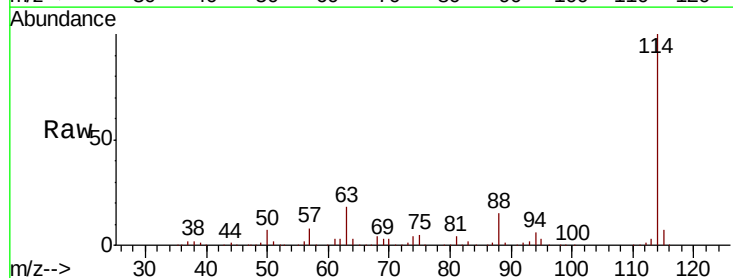
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-24S_080719DL

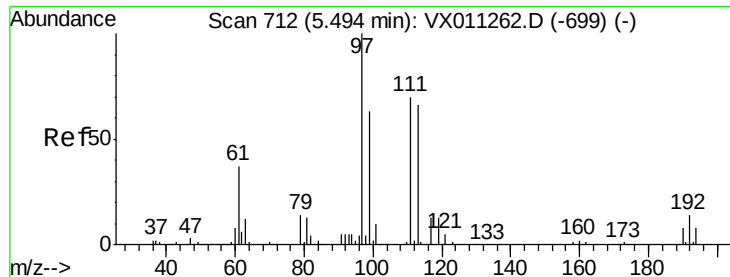
Tgt Ion: 65 Resp: 90121
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011390.D
 Acq: 08 Aug 2019 14:29

Tgt Ion: 114 Resp: 250271
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 34.0
 88 15.0 0.0 26.4





#35

Dibromofluoromethane

Concen: 49.460 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011390.D

Acq: 08 Aug 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

MW-24S_080719DL

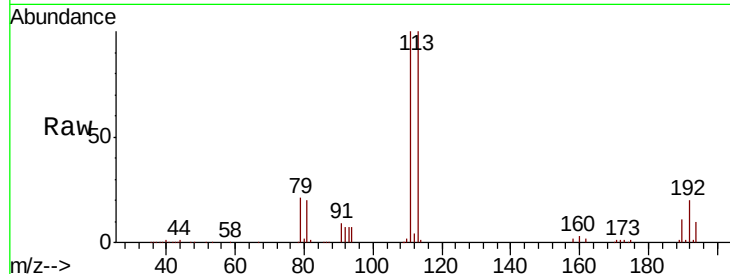
Tgt Ion:113 Resp: 80816

Ion Ratio Lower Upper

113 100

111 101.0 81.9 122.9

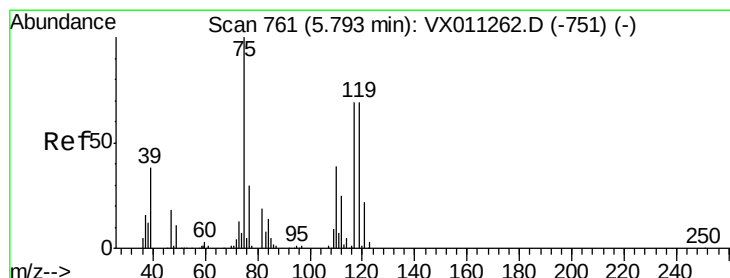
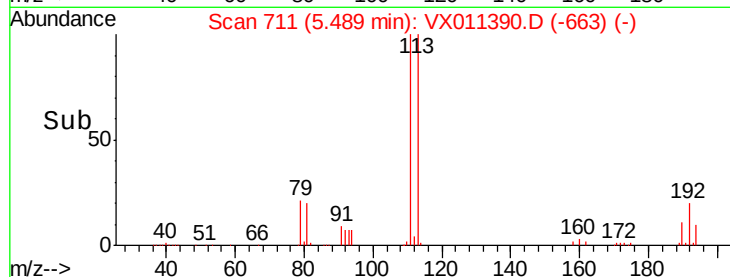
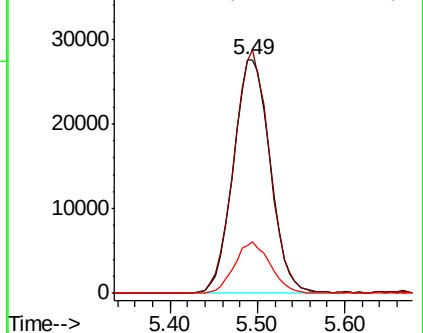
192 21.5 17.8 26.8



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: 4.916 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011390.D

Acq: 08 Aug 2019 14:29

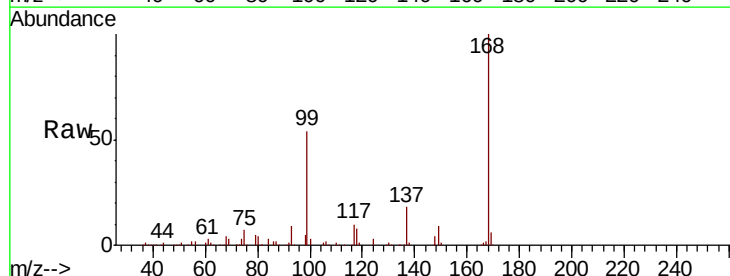
Tgt Ion: 75 Resp: 10741

Ion Ratio Lower Upper

75 100

110 11.5 20.0 59.9#

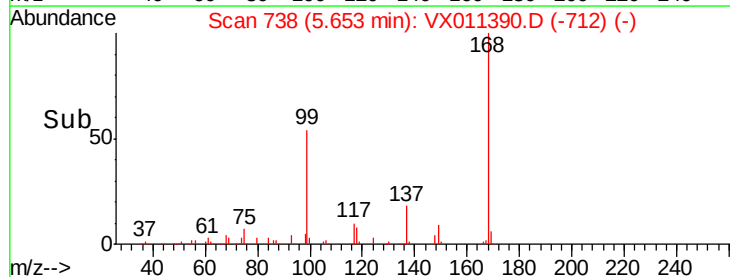
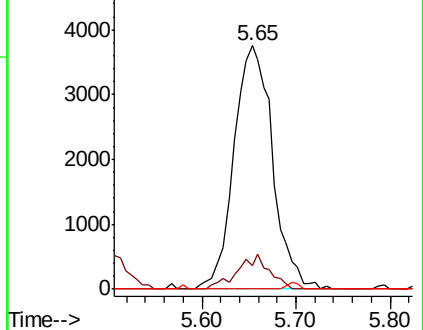
77 0.0 24.8 37.2#

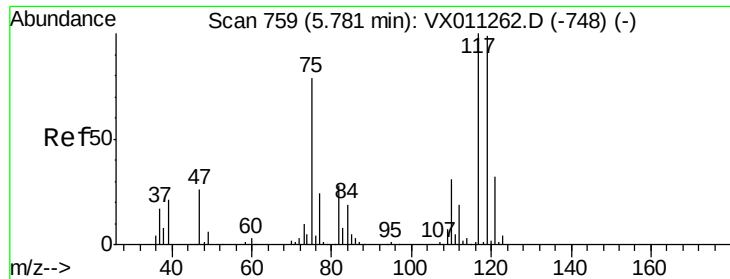


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

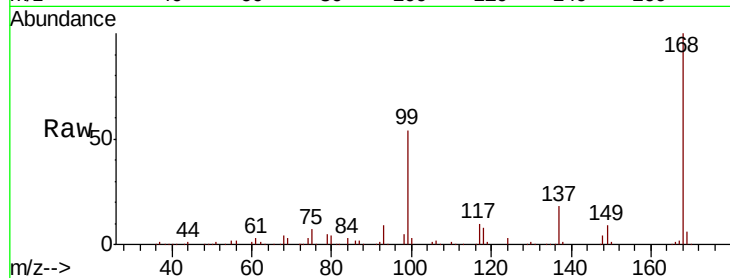




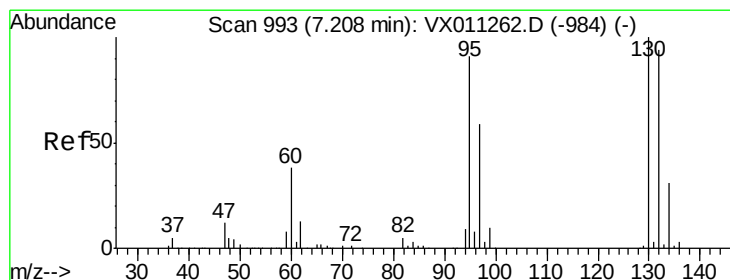
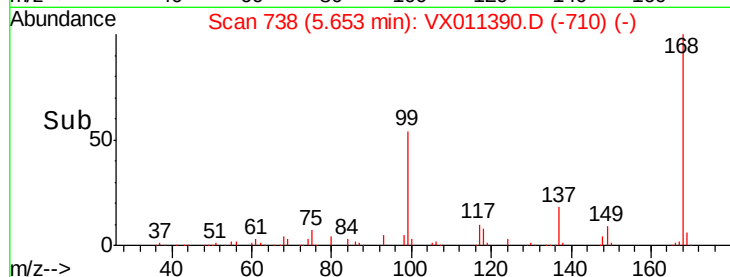
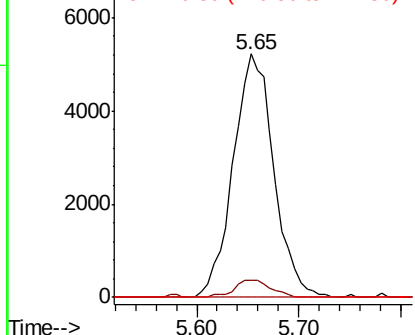
#38
Carbon Tetrachloride
Concen: 6.556 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011390.D
Acq: 08 Aug 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW-24S_080719DL

Tgt Ion:117 Resp: 14412
Ion Ratio Lower Upper
117 100
119 7.1 79.0 118.4#
121 0.0 25.9 38.9#

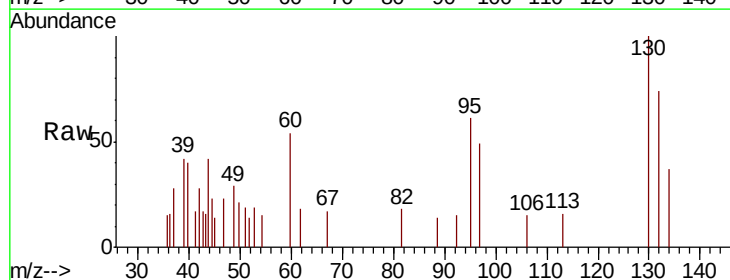


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

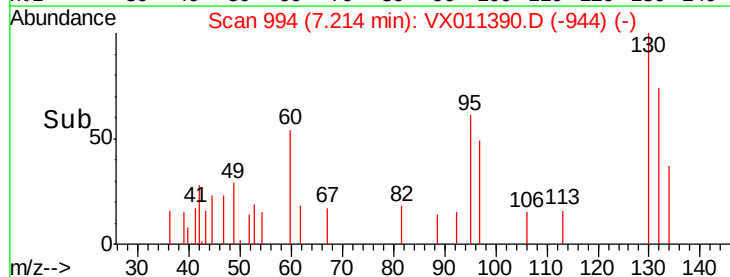
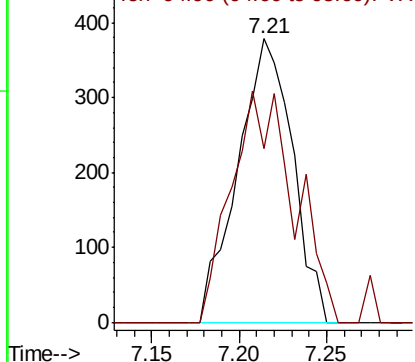


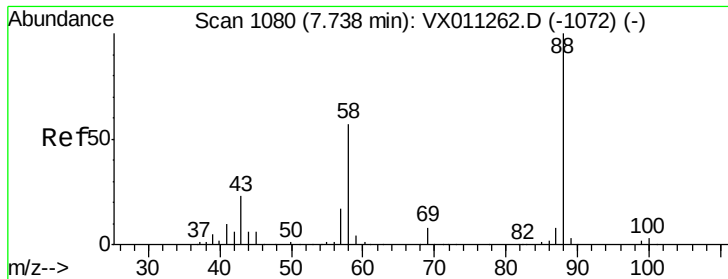
#44
Trichloroethene
Concen: 0.419 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX011390.D
Acq: 08 Aug 2019 14:29

Tgt Ion:130 Resp: 827
Ion Ratio Lower Upper
130 100
95 61.1 0.0 182.6



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

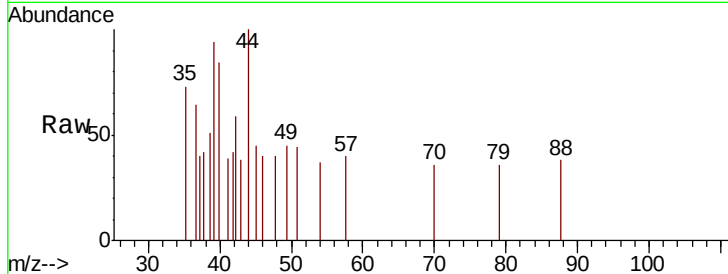




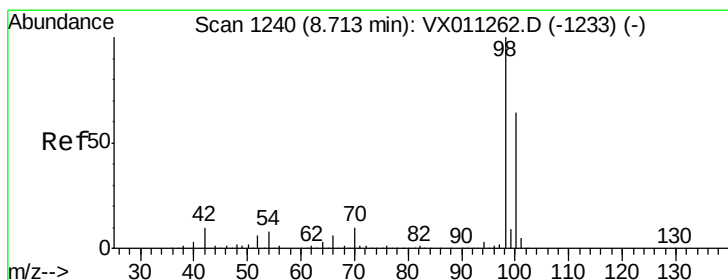
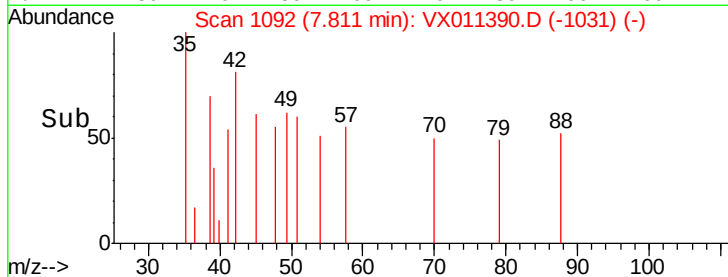
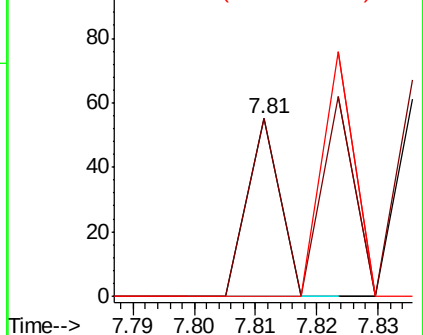
#49
1,4-Dioxane
Concen: 0.418 ug/l
RT: 7.81 min Scan# 1092
Delta R.T. 0.07 min
Lab File: VX011390.D
Acq: 08 Aug 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW-24S_080719DL

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 100.0 22.2 33.2#
58 0.0 47.8 71.8#

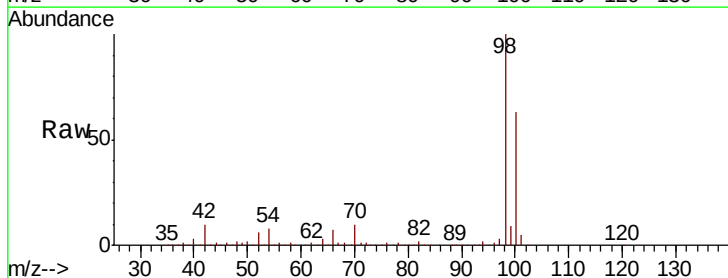


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

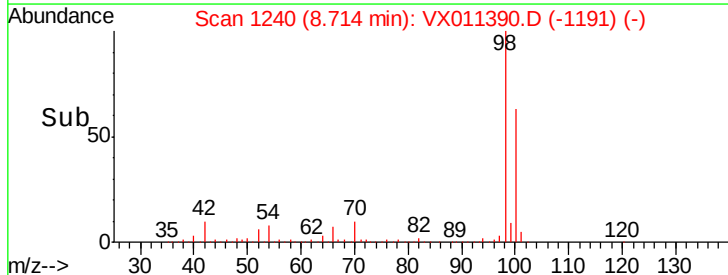
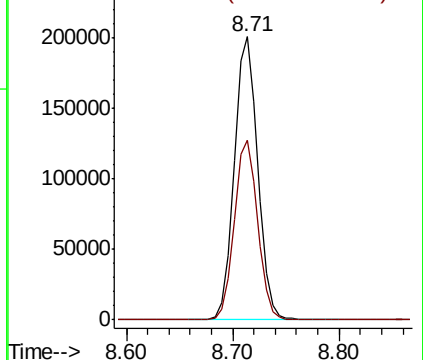


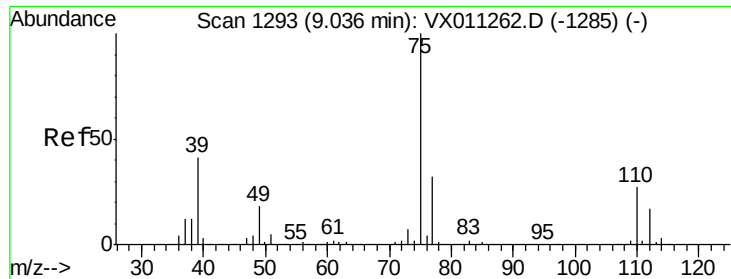
#50
Toluene-d8
Concen: 50.324 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011390.D
Acq: 08 Aug 2019 14:29

Tgt Ion: 98 Resp: 310385
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



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

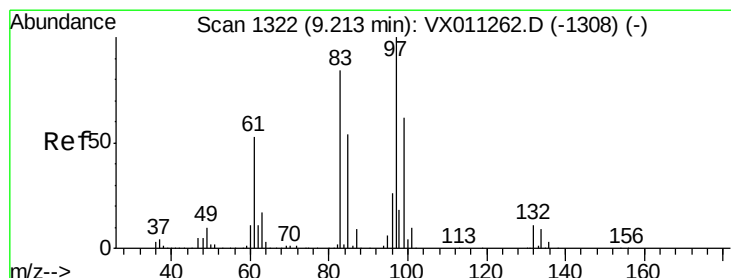
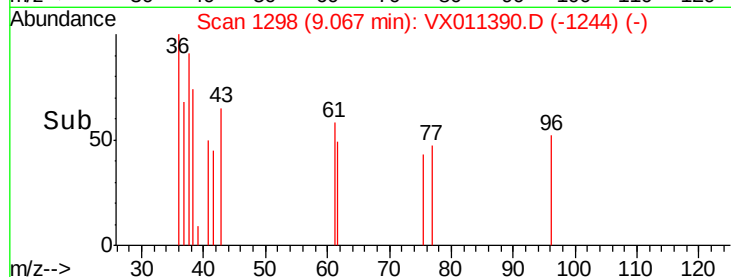
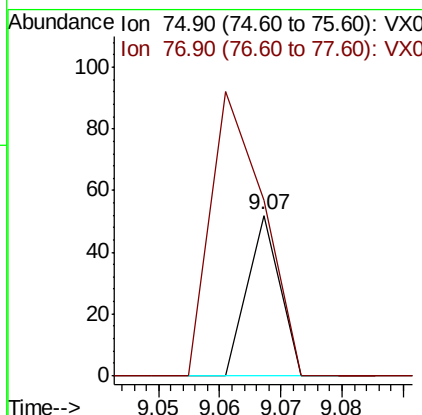
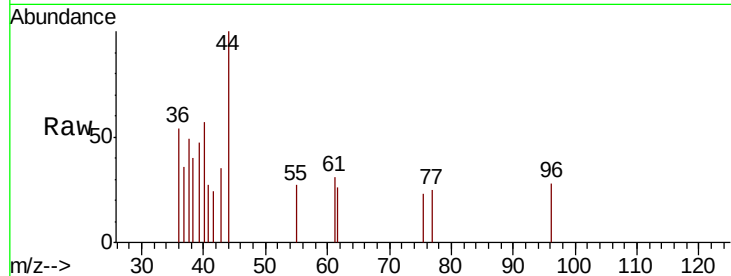




#53
t-1,3-Dichloropropene
Concen: 2.846 ug/l
RT: 9.07 min Scan# 1298
Delta R.T. 0.03 min
Lab File: VX011390.D
Acq: 08 Aug 2019 14:29

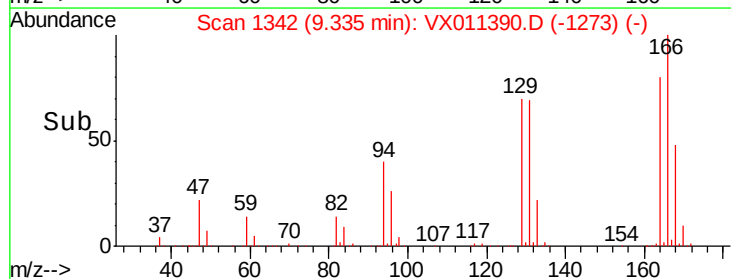
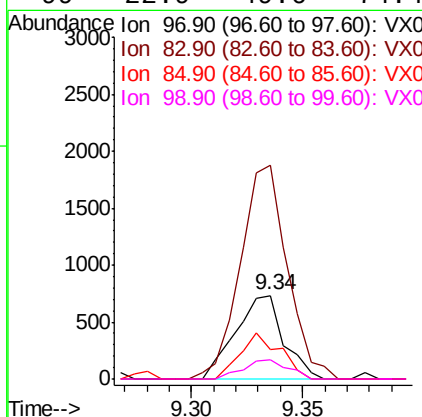
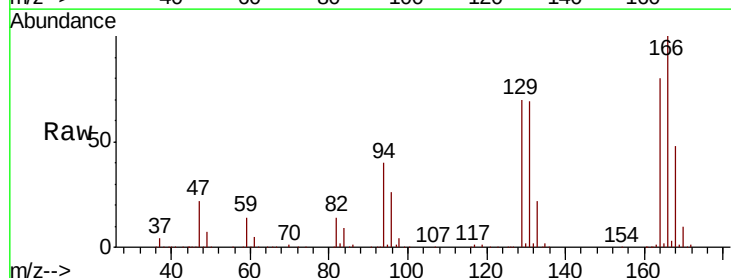
Instrument :
MSVOA_X
ClientSampleId :
MW-24S_080719DL

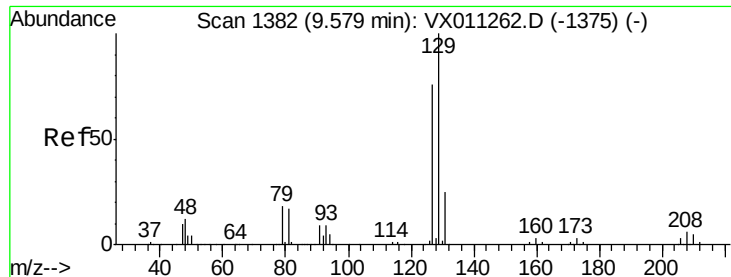
Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 109.6 25.4 38.0#



#55
1,1,2-Trichloroethane
Concen: 0.624 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.12 min
Lab File: VX011390.D
Acq: 08 Aug 2019 14:29

Tgt Ion: 97 Resp: 1106
Ion Ratio Lower Upper
97 100
83 255.6 67.6 101.4#
85 35.3 43.4 65.0#
99 22.9 49.6 74.4#





#60

Dibromochloromethane

Concen: 66.718 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX011390.D

Acq: 08 Aug 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

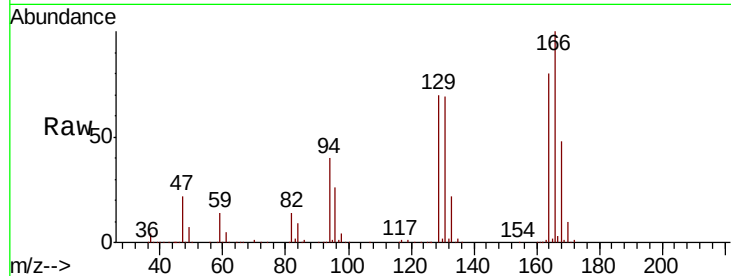
MW-24S_080719DL

Tgt Ion:129 Resp: 121077

Ion Ratio Lower Upper

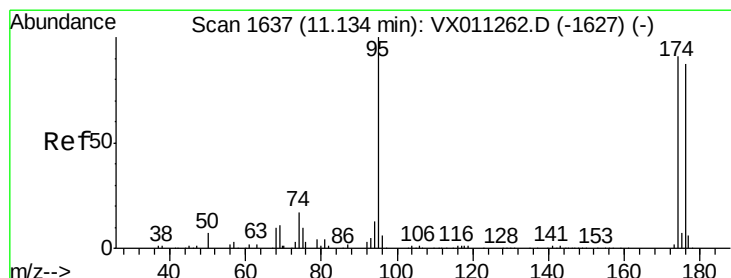
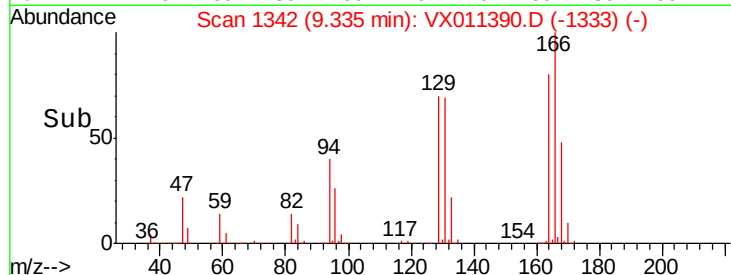
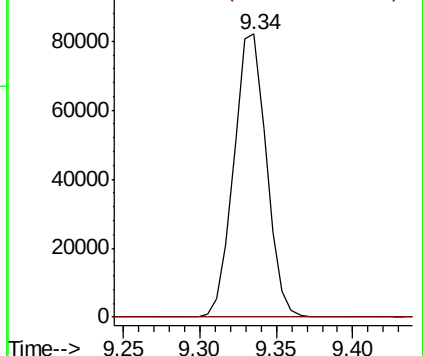
129 100

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: 49.156 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011390.D

Acq: 08 Aug 2019 14:29

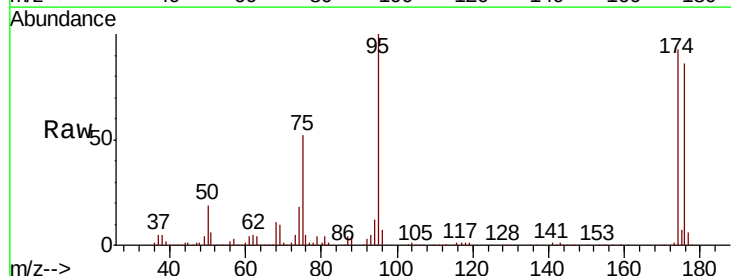
Tgt Ion: 95 Resp: 108244

Ion Ratio Lower Upper

95 100

174 92.6 0.0 191.2

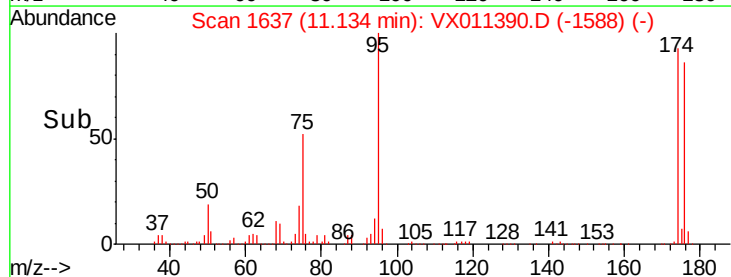
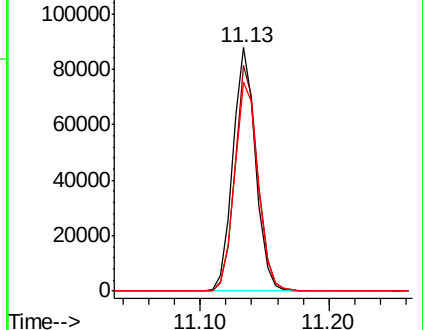
176 89.2 0.0 184.8

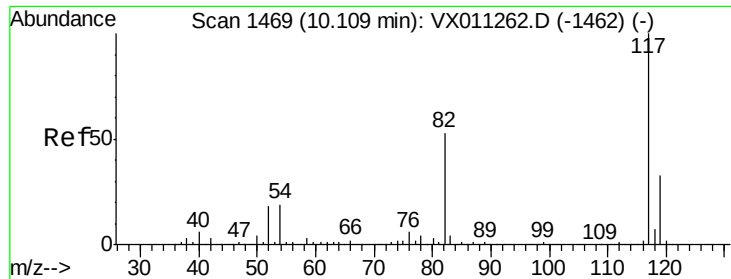


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

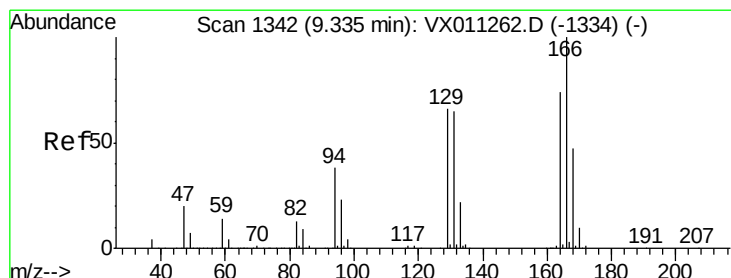
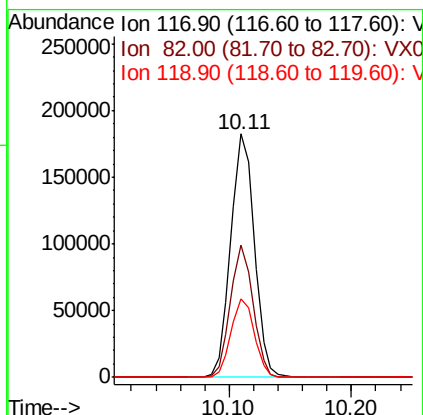
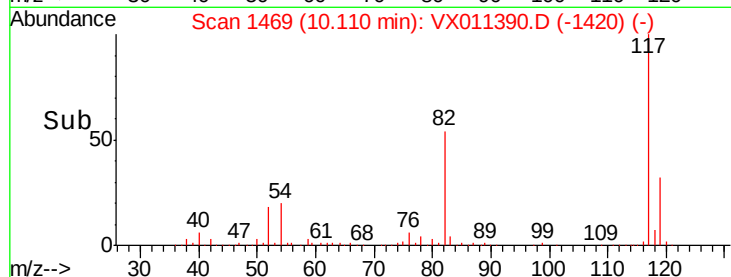
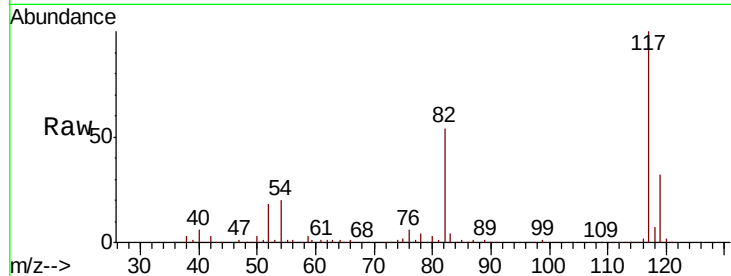




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011390.D
Acq: 08 Aug 2019 14:29

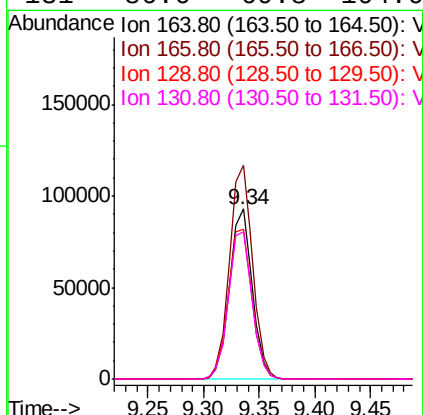
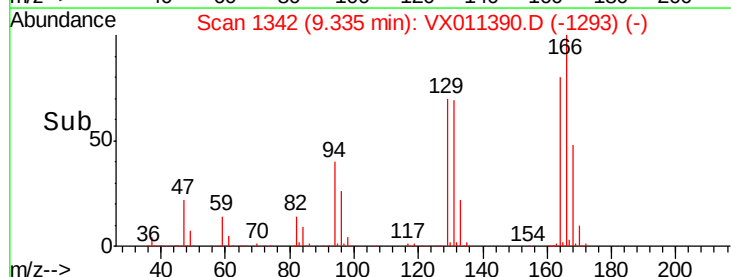
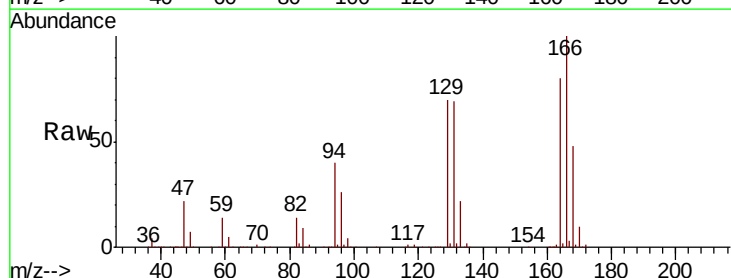
Instrument :
MSVOA_X
ClientSampleId :
MW-24S_080719DL

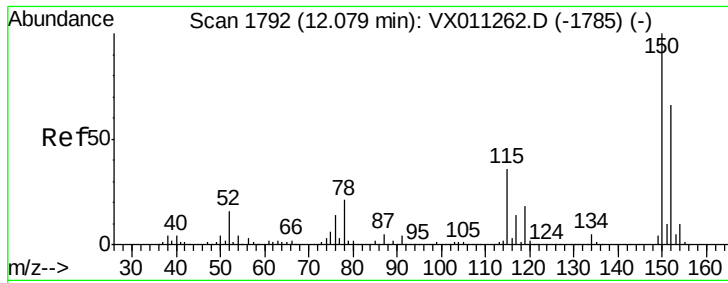
Tgt Ion:117 Resp: 242672
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.2
119 32.2 26.6 39.8



#64
Tetrachloroethene
Concen: 63.608 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011390.D
Acq: 08 Aug 2019 14:29

Tgt Ion:164 Resp: 131087
Ion Ratio Lower Upper
164 100
166 125.8 107.5 161.3
129 88.4 71.0 106.4
131 86.6 69.8 104.6



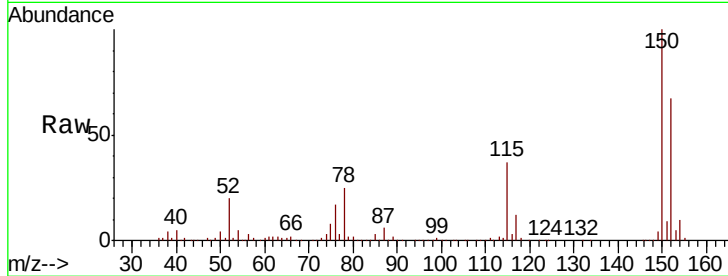


#72

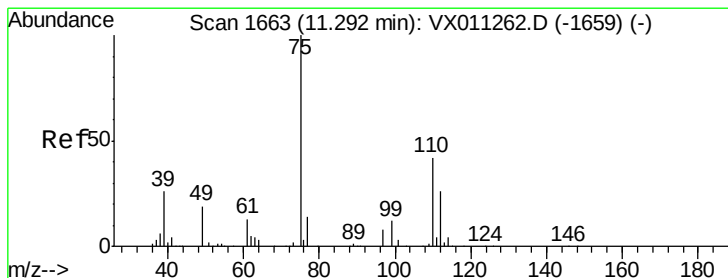
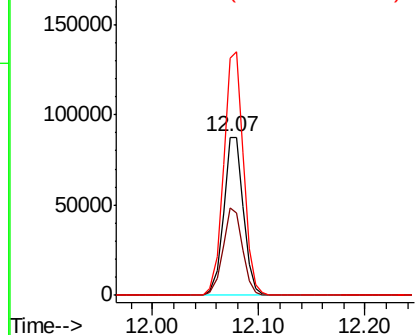
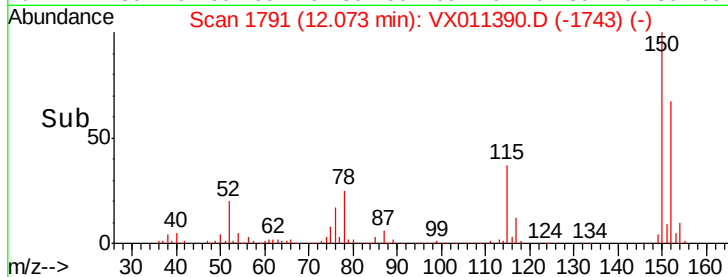
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011390.D
Acq: 08 Aug 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW-24S_080719DL

Tgt Ion:152 Resp: 113100
Ion Ratio Lower Upper
152 100
115 54.4 40.0 119.9
150 154.9 0.0 350.4



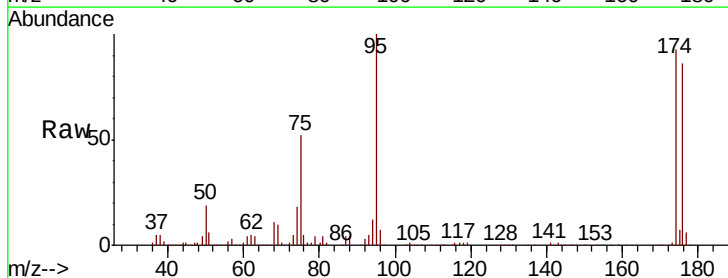
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



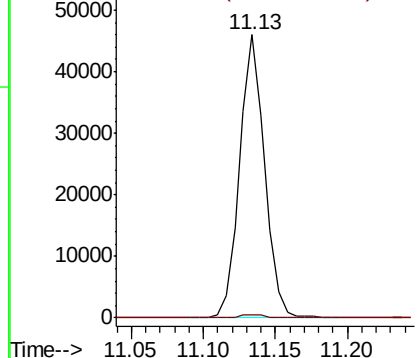
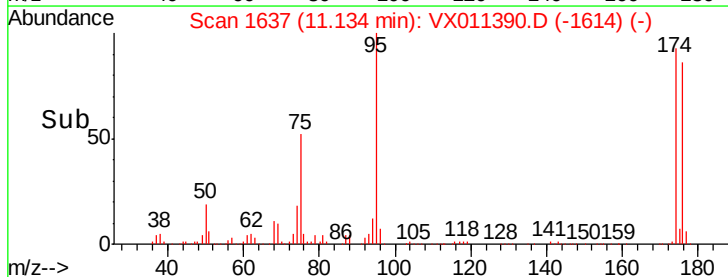
#76

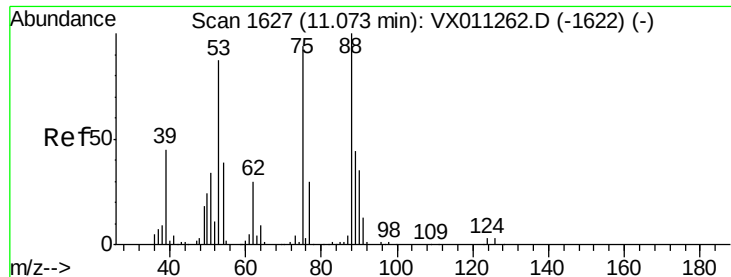
1,2,3-Trichloropropane
Concen: 27.021 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011390.D
Acq: 08 Aug 2019 14:29

Tgt Ion: 75 Resp: 55655
Ion Ratio Lower Upper
75 100
77 1.3 21.1 63.4#



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: 70.148 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011390.D

Acq: 08 Aug 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

MW-24S_080719DL

Tgt Ion: 75 Resp: 55655

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 37.9 56.9#

