

Data File : VX017232.D
Acq On : 08 Jul 2020 03:15
Operator : JC/SP
Sample : L3232-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1004-MW-02

Quant Time: Jul 08 04:05:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	243026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	409727	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	423863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	220893	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	162802	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	
35) Dibromofluoromethane	5.46	113	137796	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	8.70	98	504008	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	11.12	95	203868	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	

Target Compounds

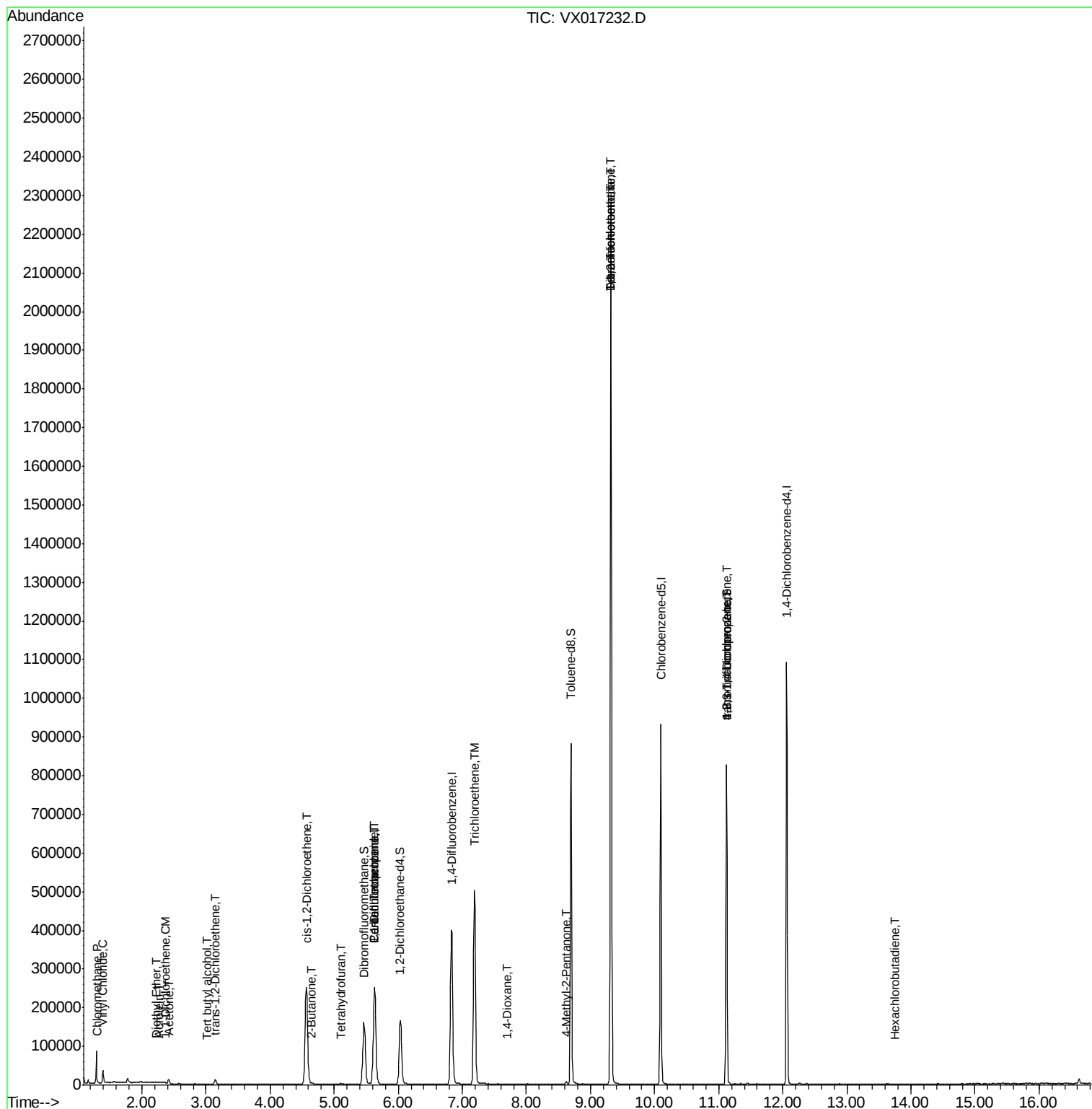
						Qvalue
3) Chloromethane	1.31	50	664	0.233	ug/l	94
4) Vinyl Chloride	1.39	62	8291	3.140	ug/l	99
8) Diethyl Ether	2.23	74	127	0.461	ug/l	76
11) Tert butyl alcohol	3.02	59	509	0.891	ug/l	97
12) 1,1-Dichloroethene	2.36	96	1142	0.475	ug/l #	91
13) Acrolein	2.28	56	353	1.033	ug/l #	15
16) Acetone	2.42	43	11466	10.230	ug/l	98
20) Methylene Chloride	2.82	84	506	Below Cal	#	88
21) trans-1,2-Dichloroethene	3.14	96	4539	1.701	ug/l	96
25) 2-Butanone	4.65	43	4495	2.407	ug/l	94
27) cis-1,2-Dichloroethene	4.57	96	163937	54.224	ug/l	90
29) Tetrahydrofuran	5.10	42	1891	1.533	ug/l	92
36) 1,1-Dichloropropene	5.63	75	17656	4.559	ug/l #	51
38) Carbon Tetrachloride	5.63	117	23576	5.528	ug/l #	16
44) Trichloroethene	7.19	130	200299	63.882	ug/l	95
49) 1,4-Dioxane	7.70	88	40	0.569	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	3675	0.944	ug/l	100
55) 1,1,2-Trichloroethane	9.32	97	3534	1.218	ug/l #	1
60) Dibromochloromethane	9.32	129	406767	120.667	ug/l #	11
64) Tetrachloroethene	9.32	164	437703	127.952	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	100425	23.120	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	100425	59.871	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	483	Below Cal	#	1
94) Hexachlorobutadiene	13.76	225	66	0.881	ug/l #	17

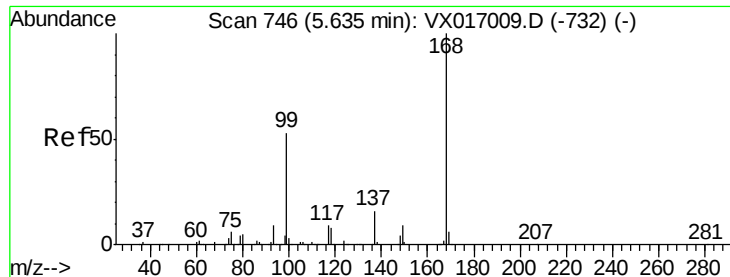
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

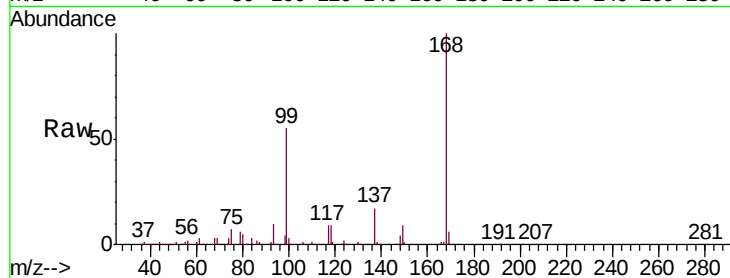
1004-MW-02

Tgt Ion:168 Resp: 243026

Ion Ratio Lower Upper

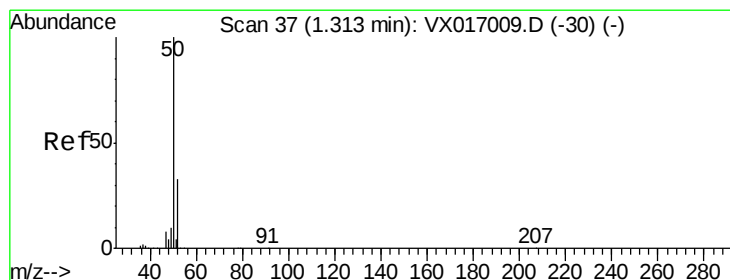
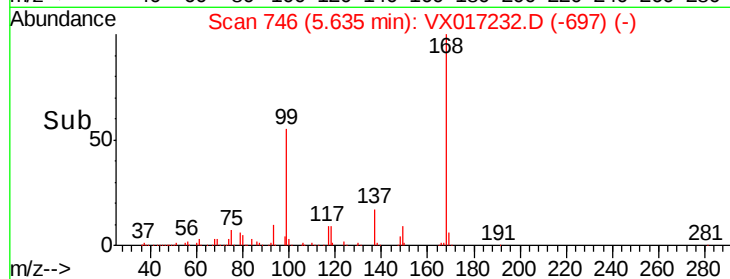
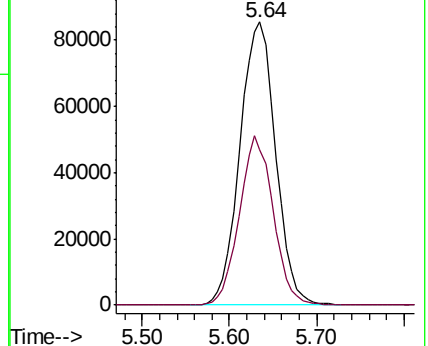
168 100

99 55.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017232.D

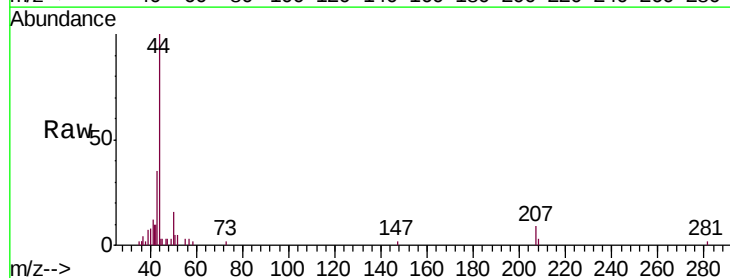
Acq: 08 Jul 2020 03:15

Tgt Ion: 50 Resp: 664

Ion Ratio Lower Upper

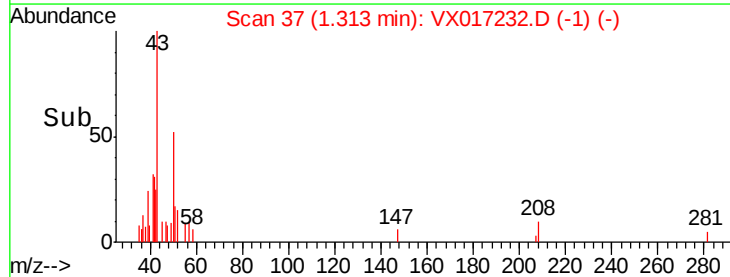
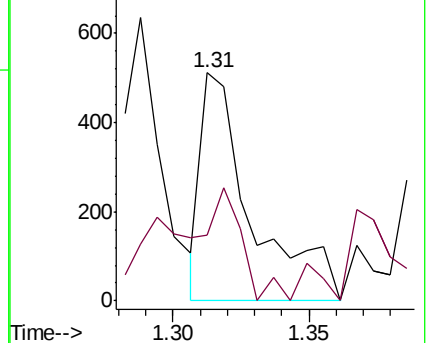
50 100

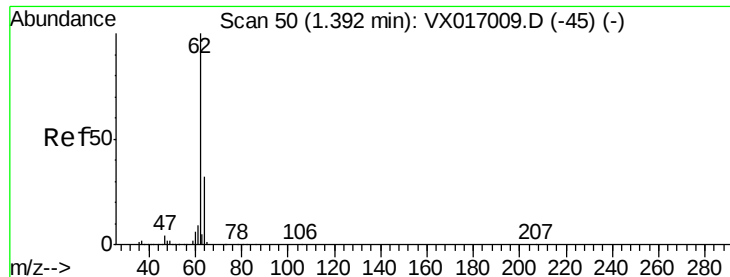
52 29.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 3.140 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

Instrument :

MSVOA_X

ClientSampled :

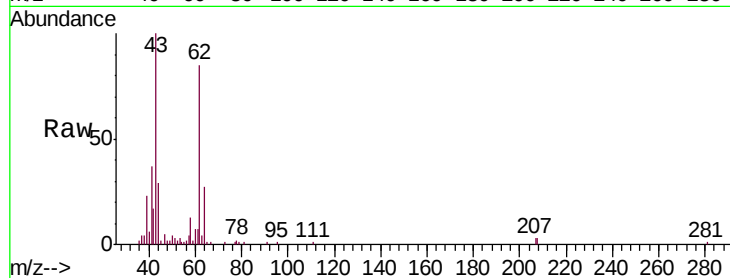
1004-MW-02

Tgt Ion: 62 Resp: 8291

Ion Ratio Lower Upper

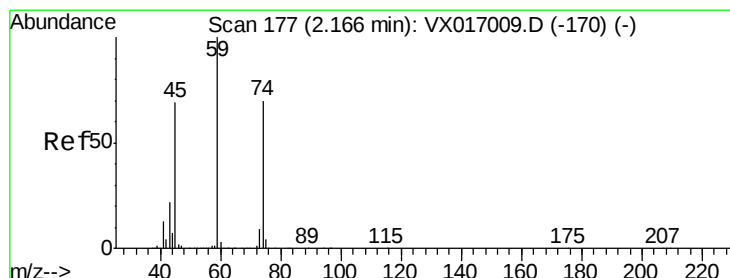
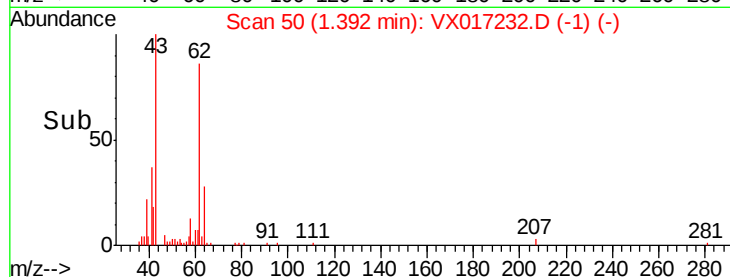
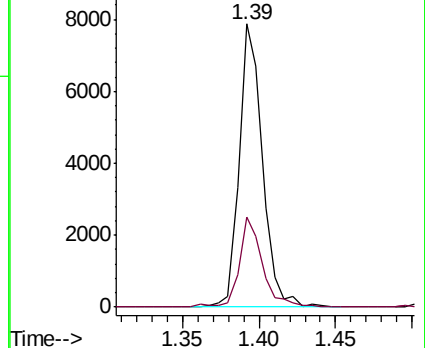
62 100

64 32.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#8

Diethyl Ether

Concen: 0.461 ug/l

RT: 2.23 min Scan# 187

Delta R.T. 0.06 min

Lab File: VX017232.D

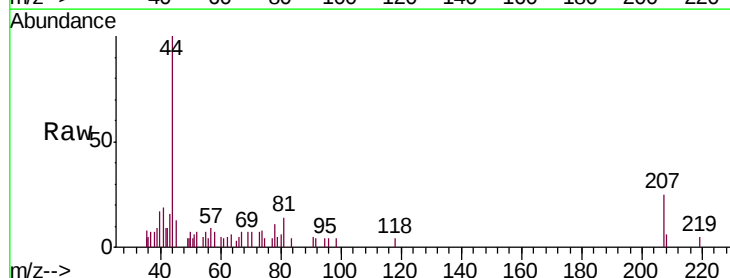
Acq: 08 Jul 2020 03:15

Tgt Ion: 74 Resp: 127

Ion Ratio Lower Upper

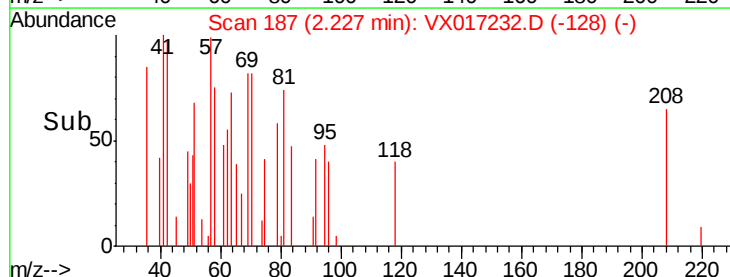
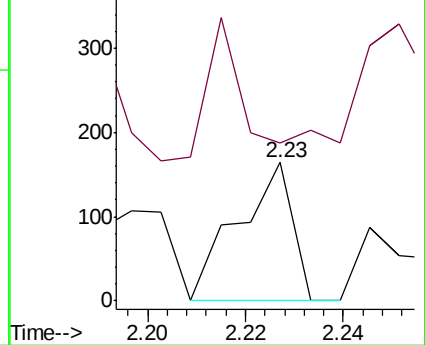
74 100

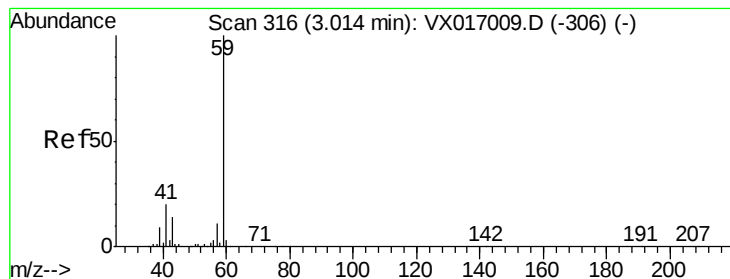
45 123.6 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



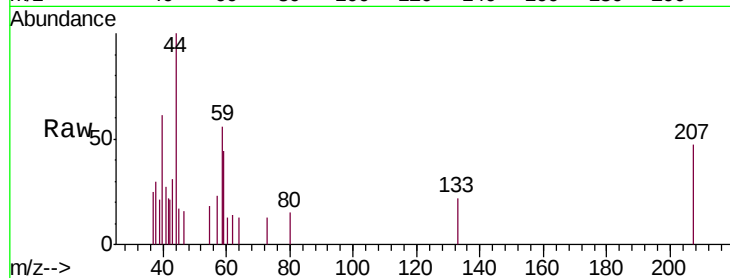


#11

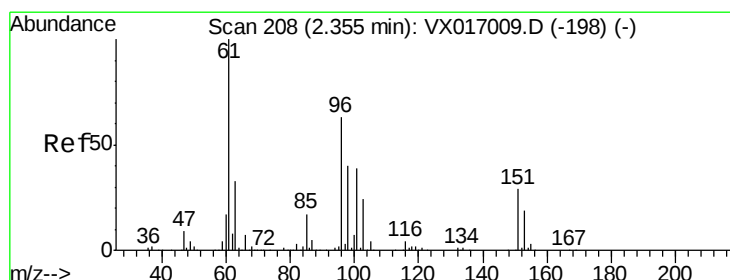
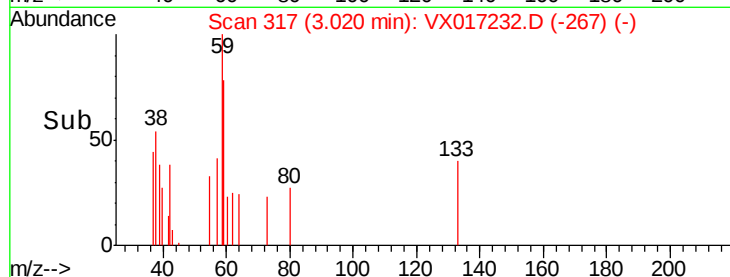
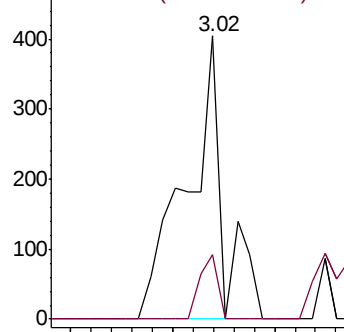
Tert butyl alcohol
Concen: 0.891 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017232.D
Acq: 08 Jul 2020 03:15

Instrument :
MSVOA_X
ClientSampled :
1004-MW-02

Tgt Ion: 59 Resp: 509
Ion Ratio Lower Upper
59 100
57 11.2 8.2 12.2



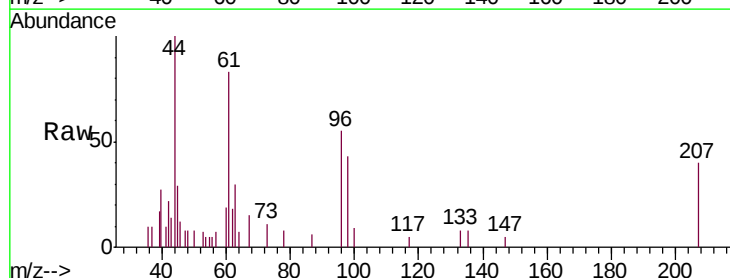
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



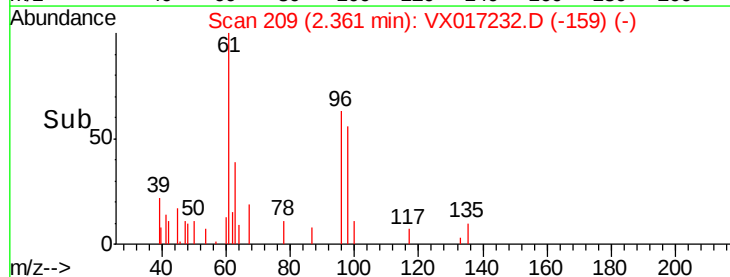
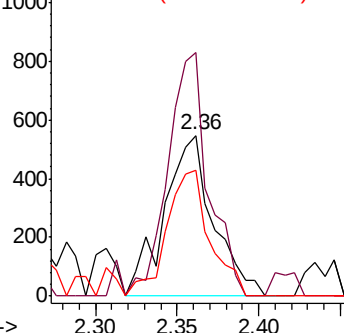
#12

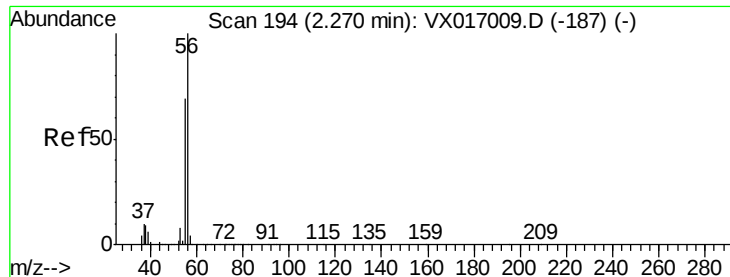
1,1-Dichloroethene
Concen: 0.475 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX017232.D
Acq: 08 Jul 2020 03:15

Tgt Ion: 96 Resp: 1142
Ion Ratio Lower Upper
96 100
61 151.6 126.3 189.5
98 78.2 51.0 76.6#



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





#13

Acrolein

Concen: 1.033 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

Instrument :

MSVOA_X

ClientSampled :

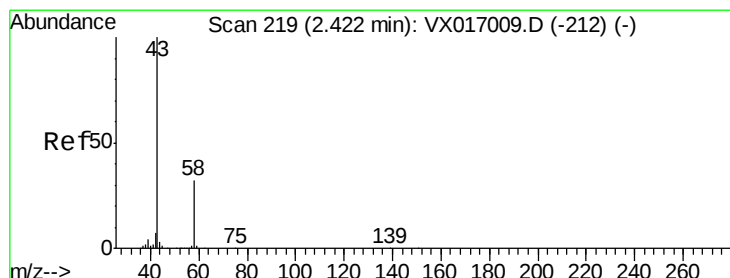
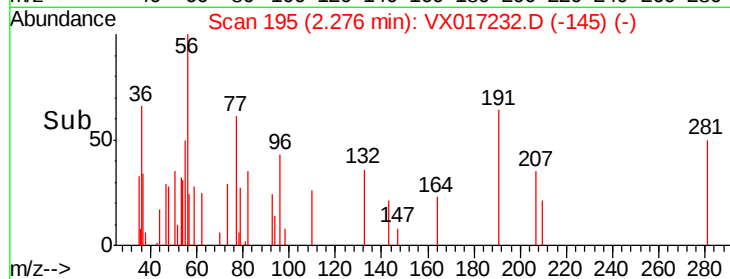
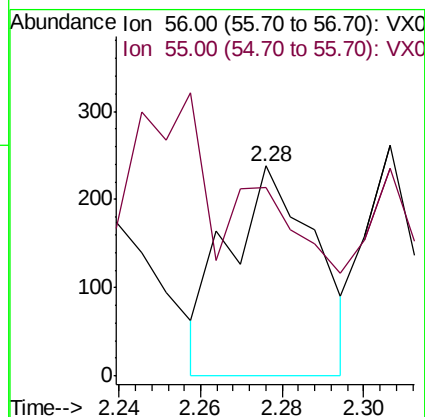
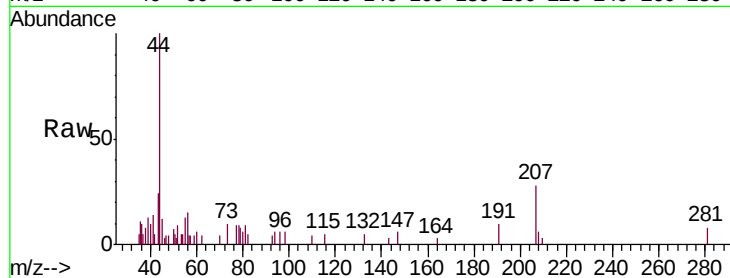
1004-MW-02

Tgt Ion: 56 Resp: 353

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#16

Acetone

Concen: 10.230 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017232.D

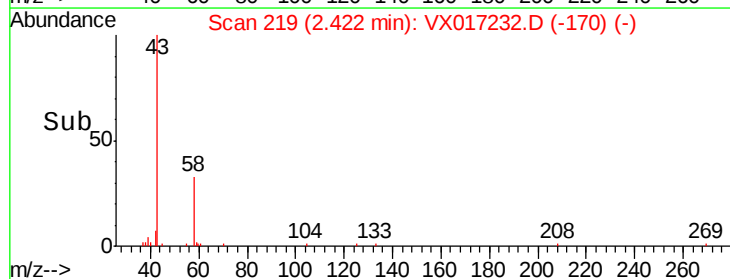
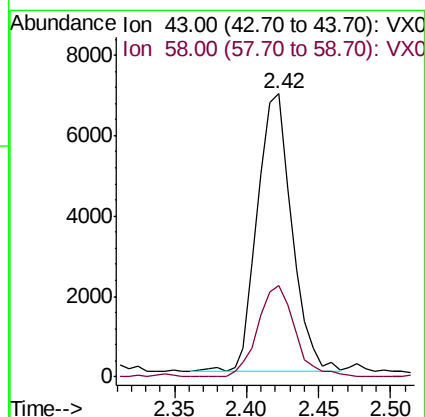
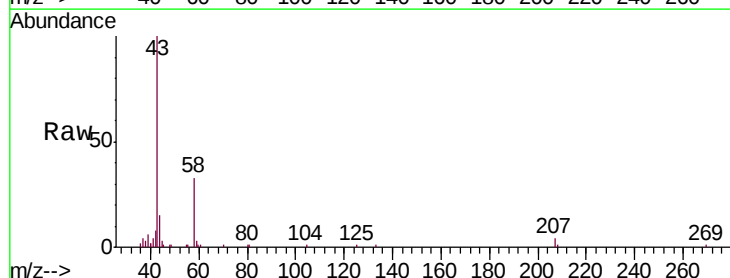
Acq: 08 Jul 2020 03:15

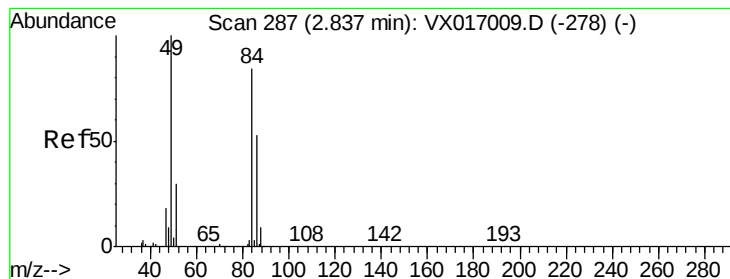
Tgt Ion: 43 Resp: 11466

Ion Ratio Lower Upper

43 100

58 33.2 25.7 38.5





#20

Methylene Chloride

Concen: Below Cal

RT: 2.82 min Scan# 285

Delta R.T. -0.01 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

Instrument :

MSVOA_X

ClientSampled :

1004-MW-02

Tgt Ion: 84 Resp: 506

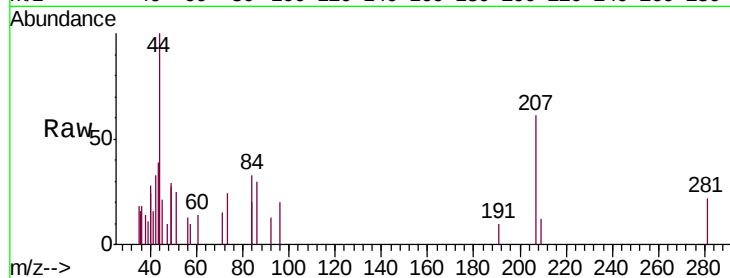
Ion Ratio Lower Upper

84 100

49 103.6 94.7 142.1

51 26.7 28.6 42.8#

86 56.8 50.5 75.7



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

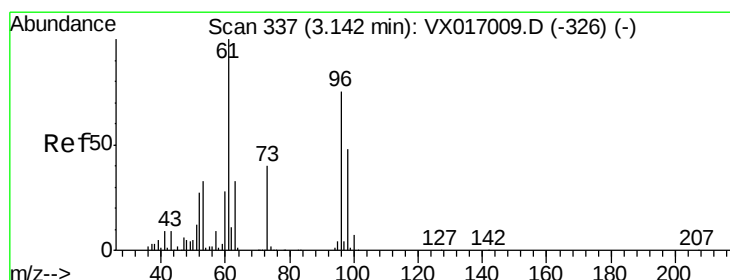
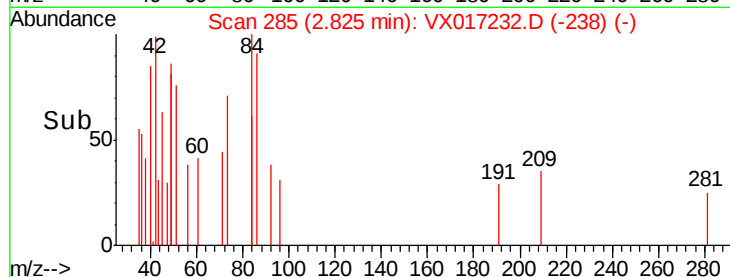
Ion 85.90 (85.60 to 86.60): VX0

Time-->

2.82

2.85

2.90



#21

trans-1,2-Dichloroethene

Concen: 1.701 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

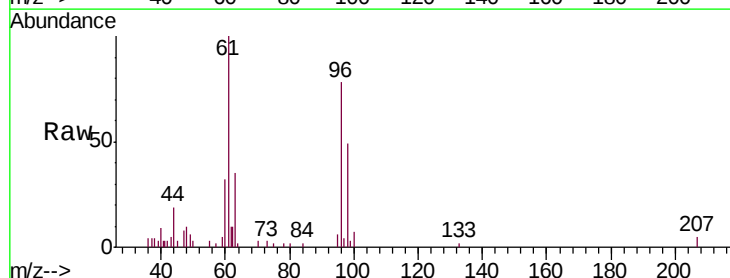
Tgt Ion: 96 Resp: 4539

Ion Ratio Lower Upper

96 100

61 128.2 107.0 160.6

98 62.3 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

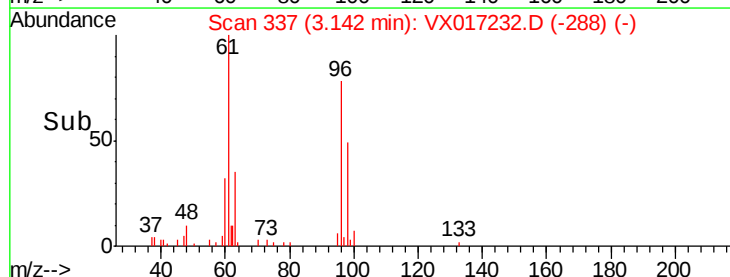
Ion 60.90 (60.60 to 61.60): VX0

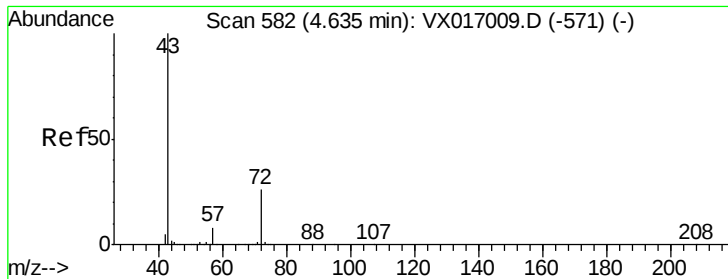
Ion 97.90 (97.60 to 98.60): VX0

Time-->

3.14

3.20





#25

2-Butanone

Concen: 2.407 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

Instrument :

MSVOA_X

ClientSampled :

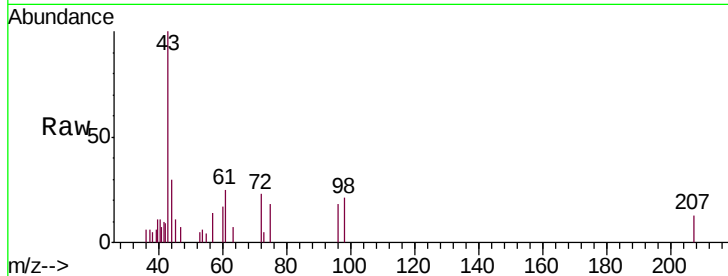
1004-MW-02

Tgt Ion: 43 Resp: 4495

Ion Ratio Lower Upper

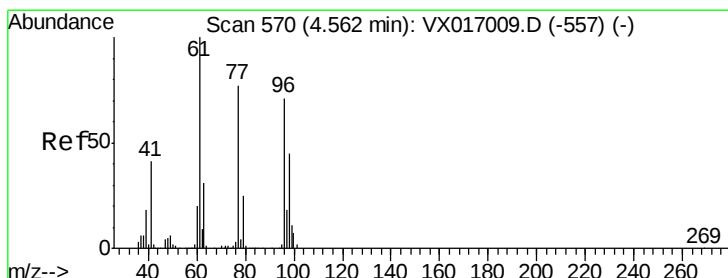
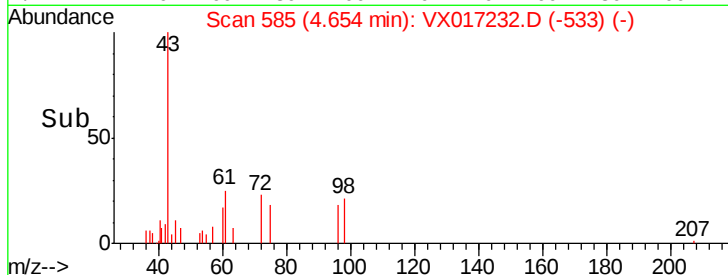
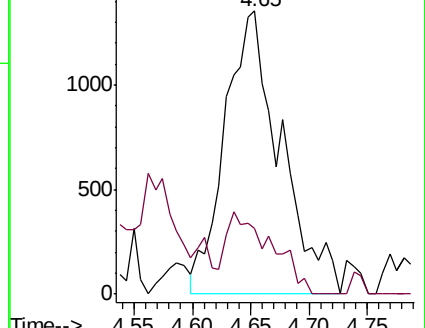
43 100

72 23.2 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 54.224 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

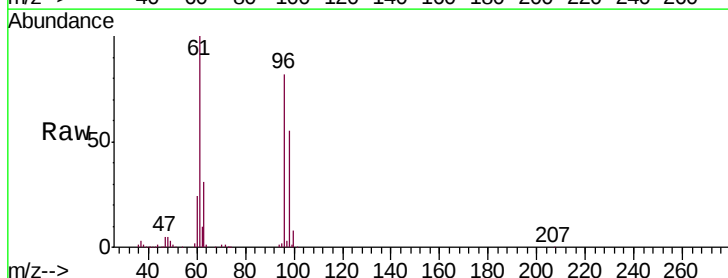
Tgt Ion: 96 Resp: 163937

Ion Ratio Lower Upper

96 100

61 125.3 0.0 282.8

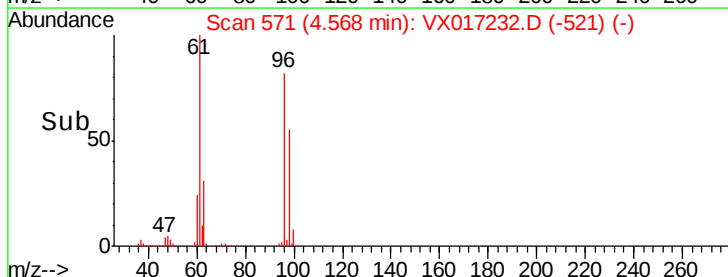
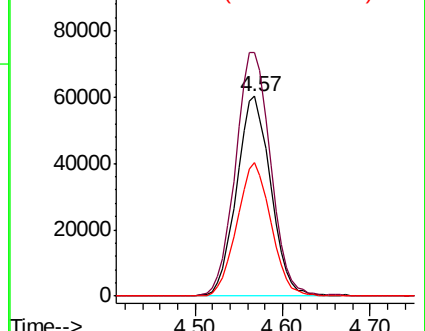
98 66.7 0.0 127.6

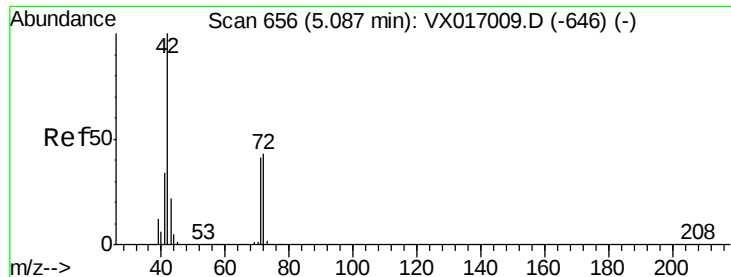


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 1.533 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

Instrument :

MSVOA_X

ClientSampled :

1004-MW-02

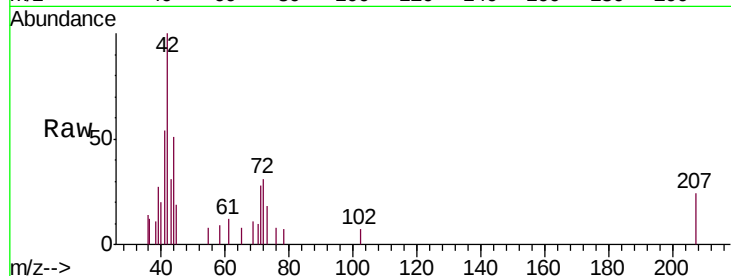
Tgt Ion: 42 Resp: 1891

Ion Ratio Lower Upper

42 100

72 48.5 35.3 52.9

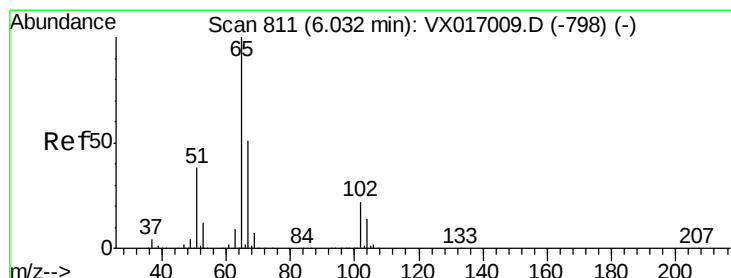
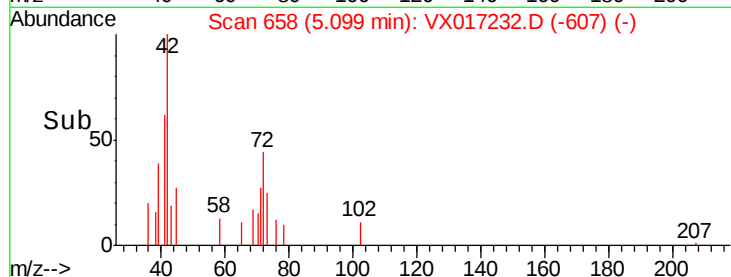
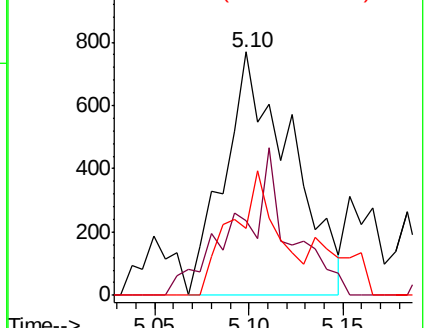
71 35.6 33.1 49.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.339 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017232.D

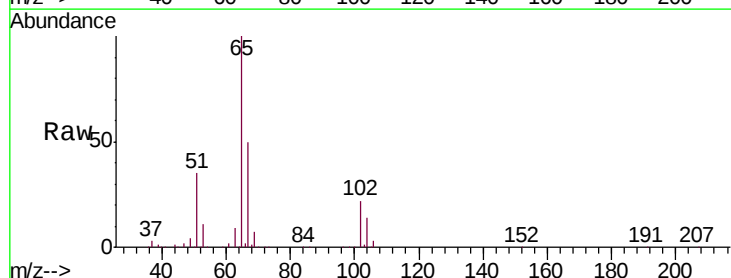
Acq: 08 Jul 2020 03:15

Tgt Ion: 65 Resp: 162802

Ion Ratio Lower Upper

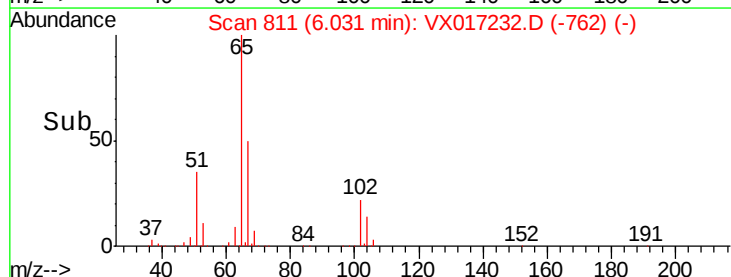
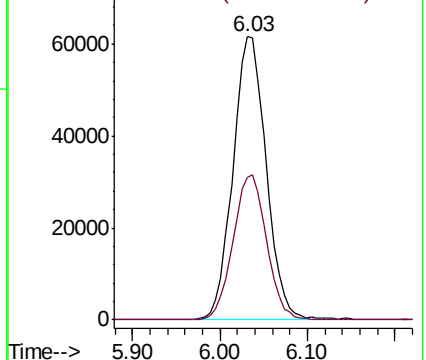
65 100

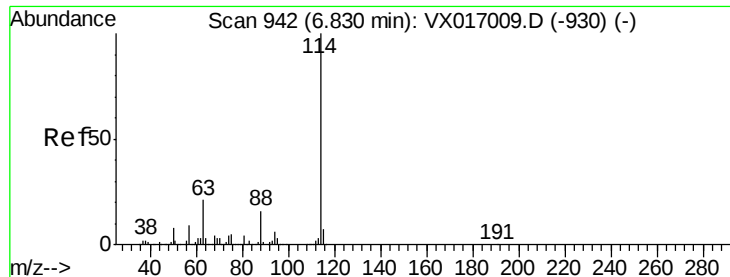
67 51.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

1004-MW-02

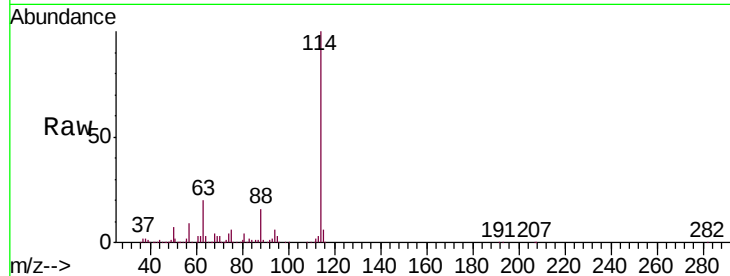
Tgt Ion:114 Resp: 409727

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

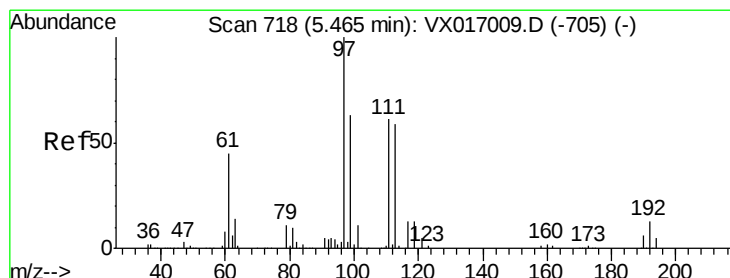
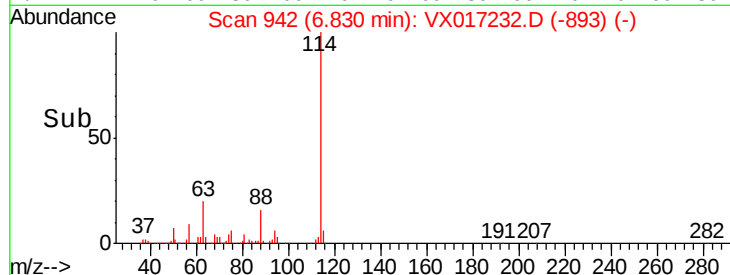
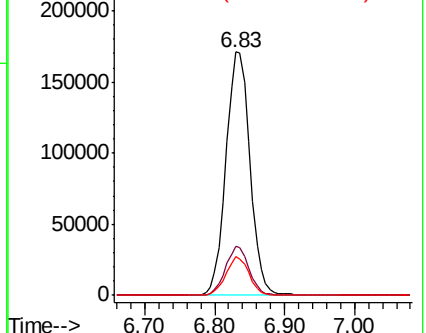
88 15.8 0.0 32.4



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: 53.166 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

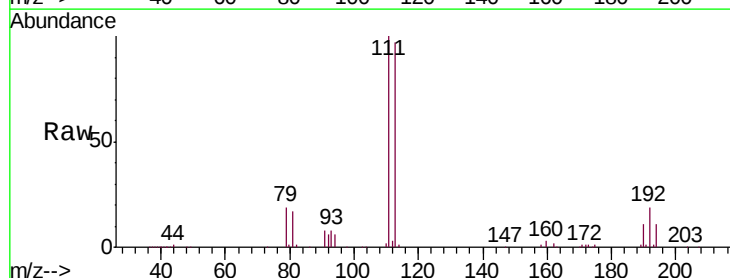
Tgt Ion:113 Resp: 137796

Ion Ratio Lower Upper

113 100

111 104.7 81.9 122.9

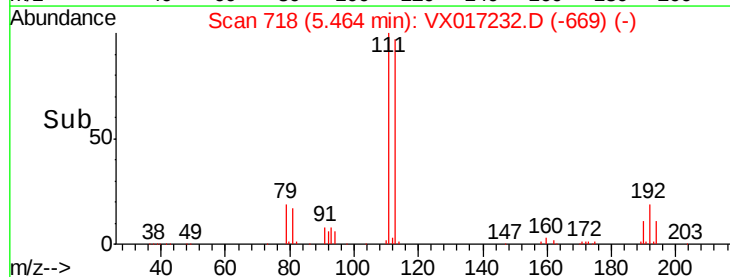
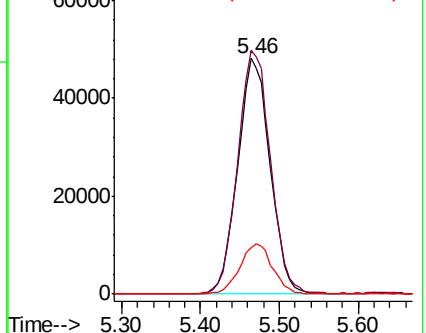
192 21.6 16.7 25.1

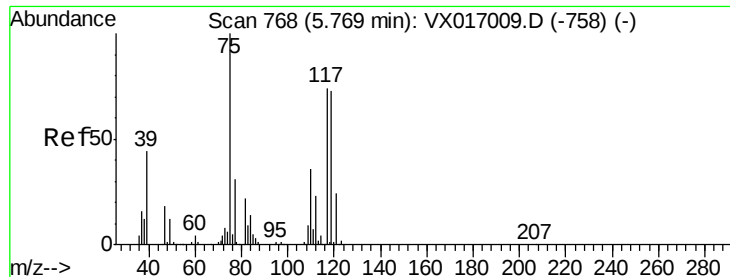


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

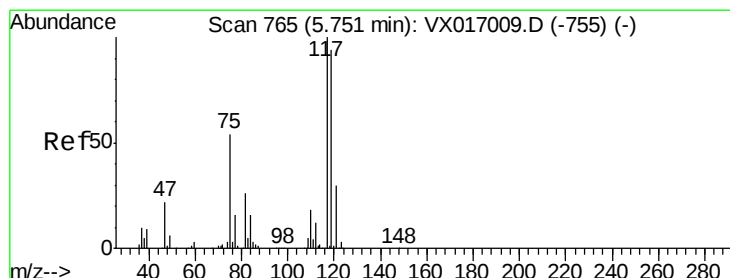
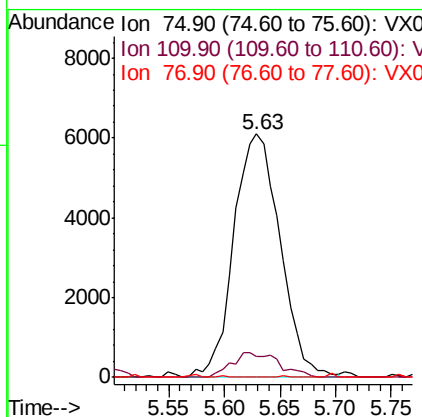
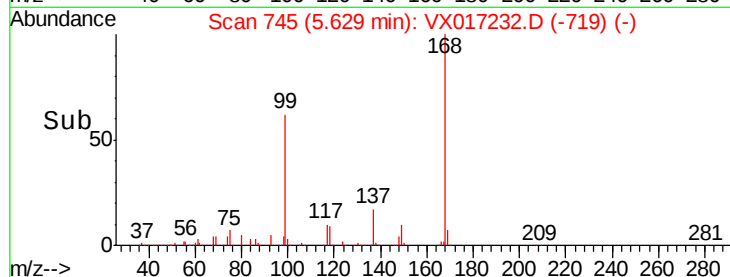
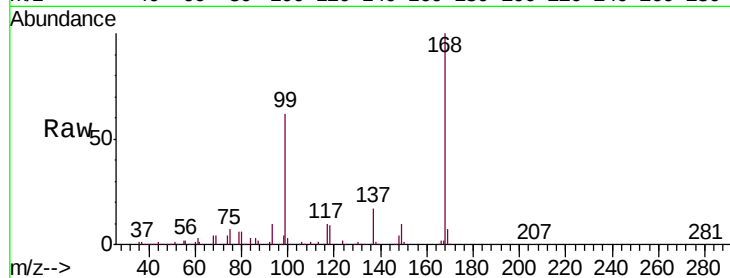




#36
 1,1-Dichloropropene
 Concen: 4.559 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017232.D
 Acq: 08 Jul 2020 03:15

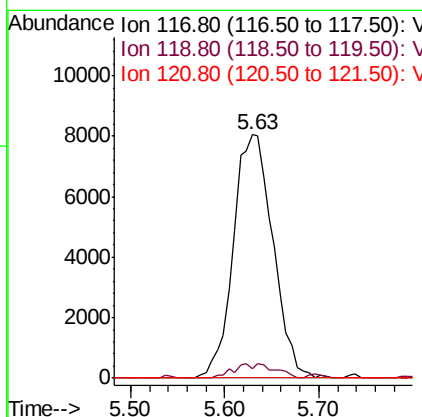
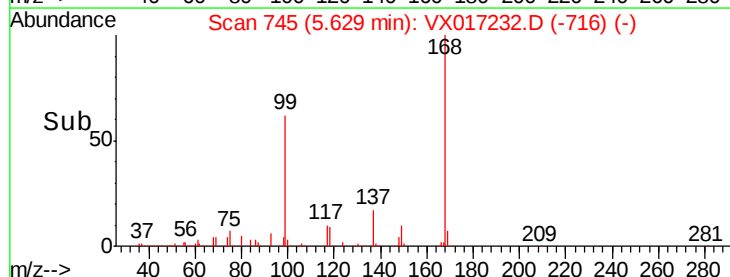
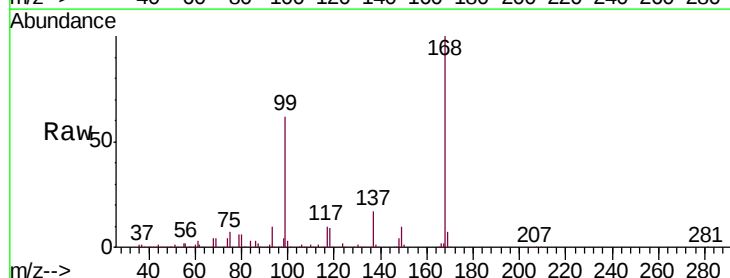
Instrument :
 MSVOA_X
 ClientSampleId :
 1004-MW-02

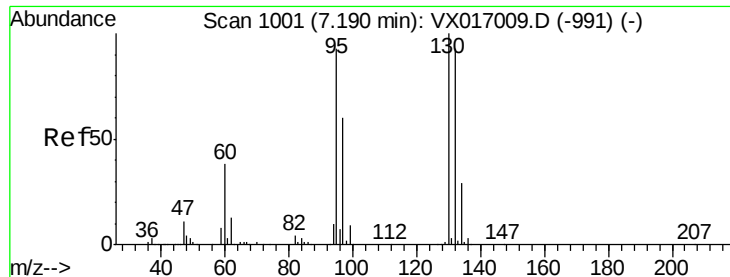
Tgt Ion: 75 Resp: 17656
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.1 54.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.528 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017232.D
 Acq: 08 Jul 2020 03:15

Tgt Ion: 117 Resp: 23576
 Ion Ratio Lower Upper
 117 100
 119 3.8 75.4 113.0#
 121 0.0 23.8 35.6#





#44

Trichloroethene

Concen: 63.882 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

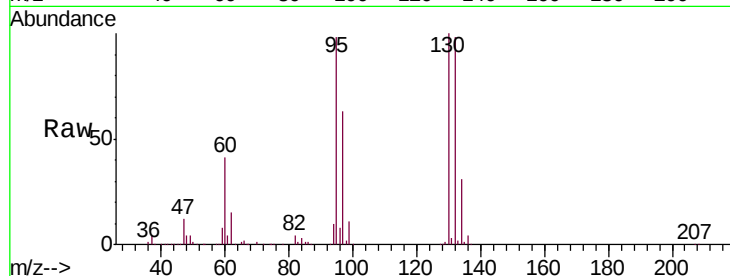
1004-MW-02

Tgt Ion:130 Resp: 200299

Ion Ratio Lower Upper

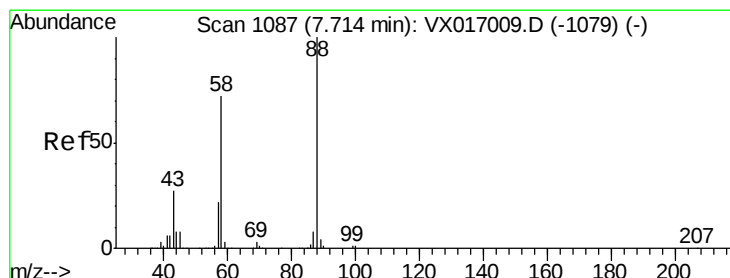
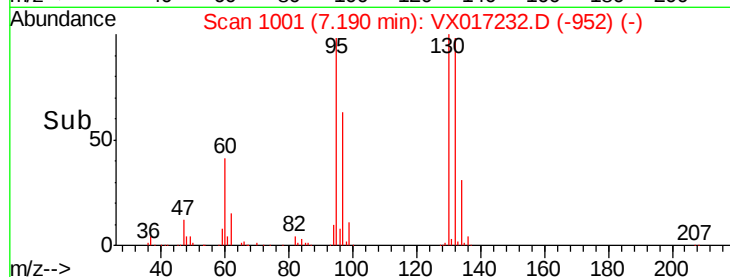
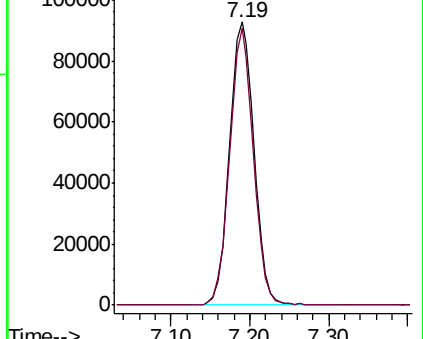
130 100

95 97.7 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.569 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

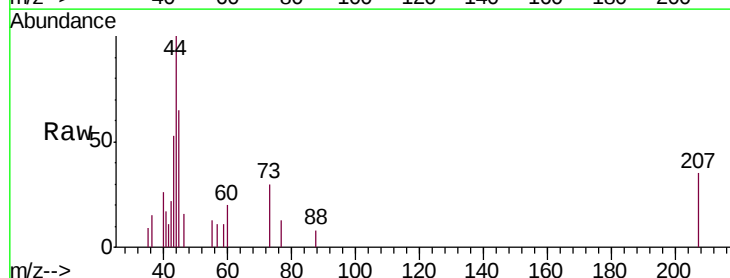
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 585.0 25.8 38.8#

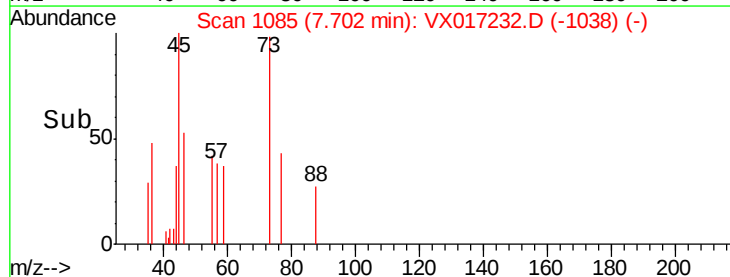
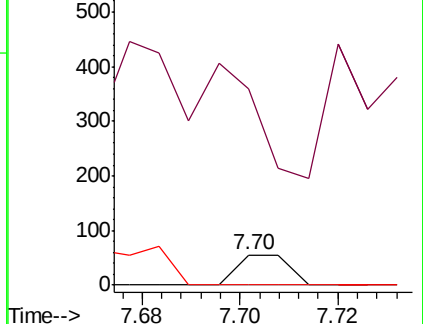
58 0.0 54.8 82.2#

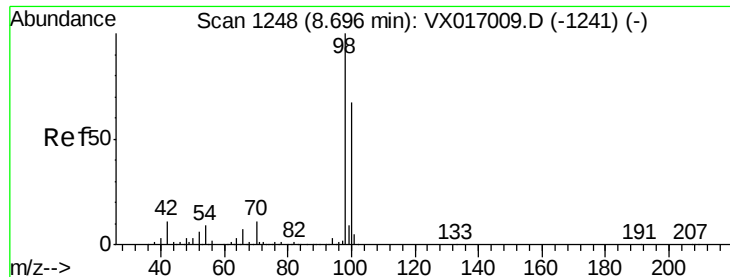


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

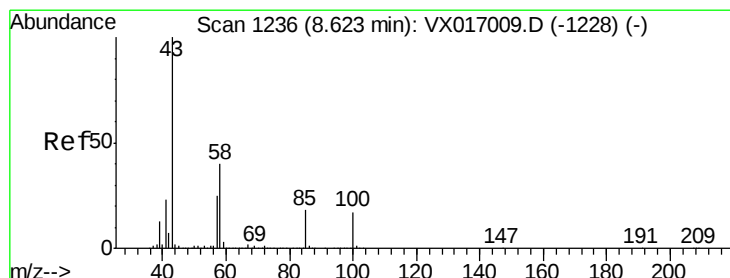
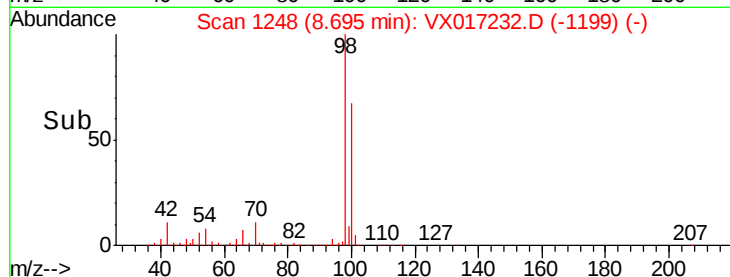
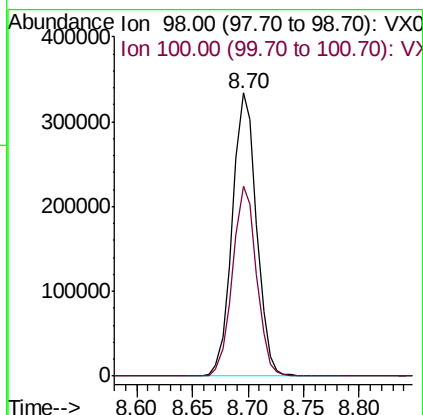
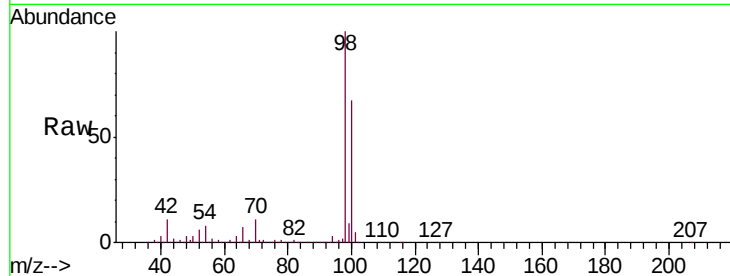




#50
Toluene-d8
Concen: 52.589 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017232.D
Acq: 08 Jul 2020 03:15

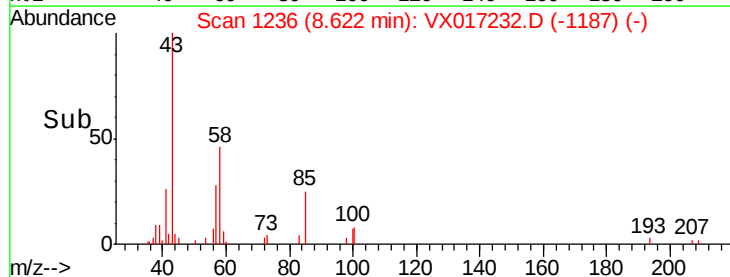
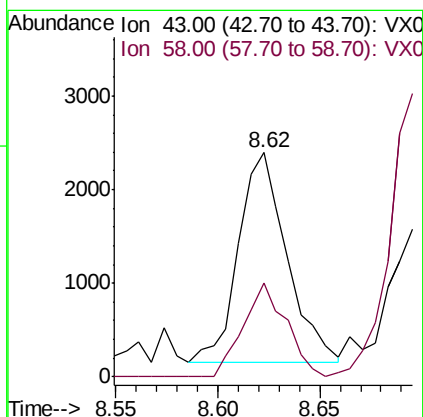
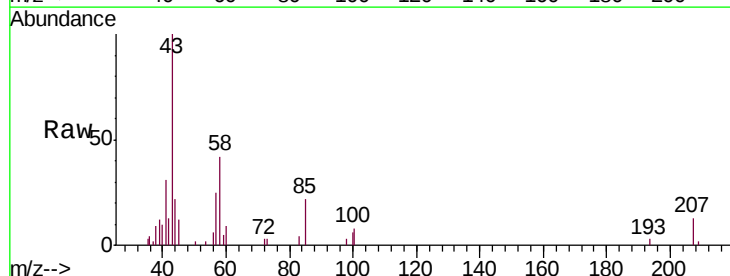
Instrument :
MSVOA_X
ClientSampleId :
1004-MW-02

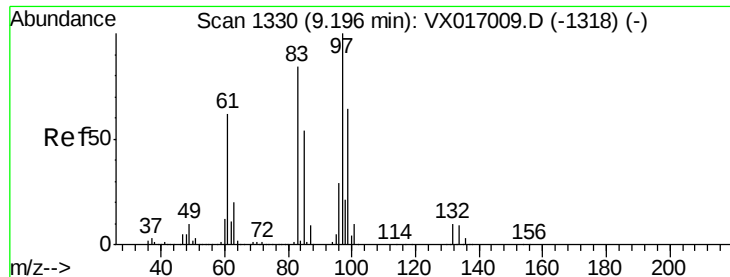
Tgt Ion: 98 Resp: 504008
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 0.944 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017232.D
Acq: 08 Jul 2020 03:15

Tgt Ion: 43 Resp: 3675
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9

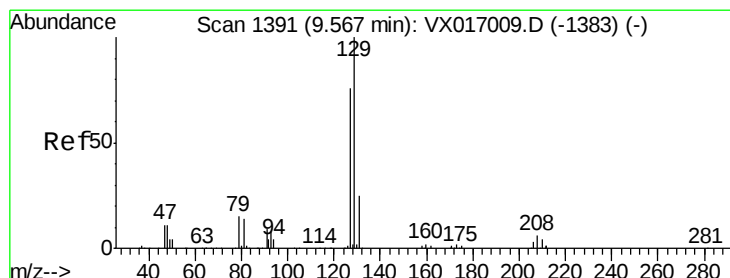
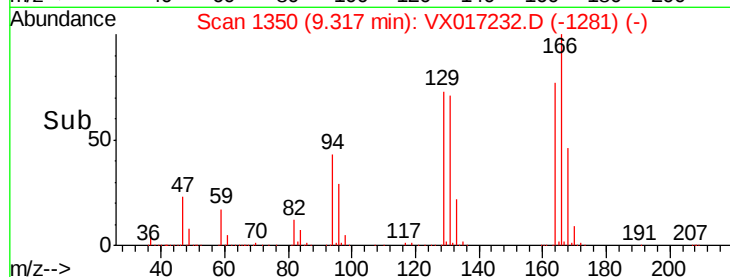
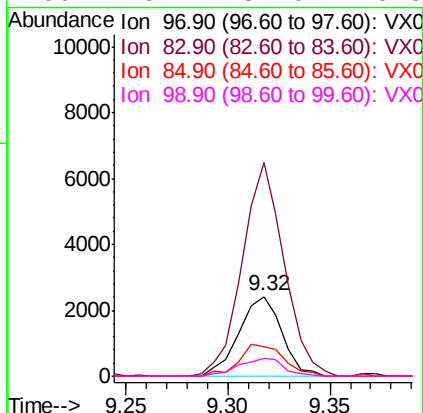
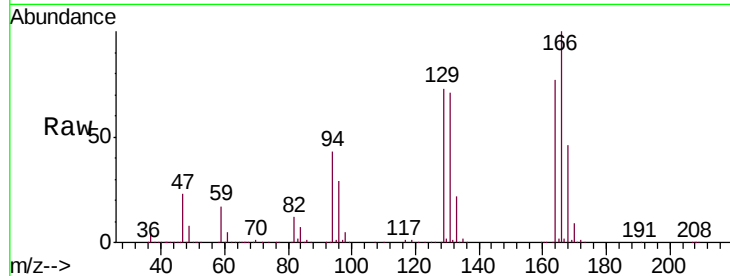




#55
 1,1,2-Trichloroethane
 Concen: 1.218 ug/l
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.12 min
 Lab File: VX017232.D
 Acq: 08 Jul 2020 03:15

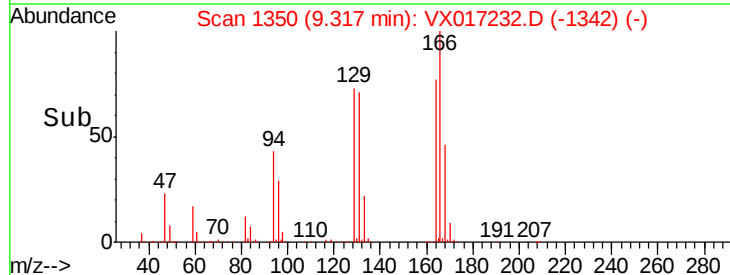
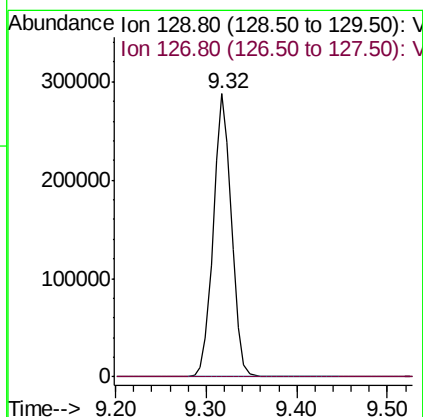
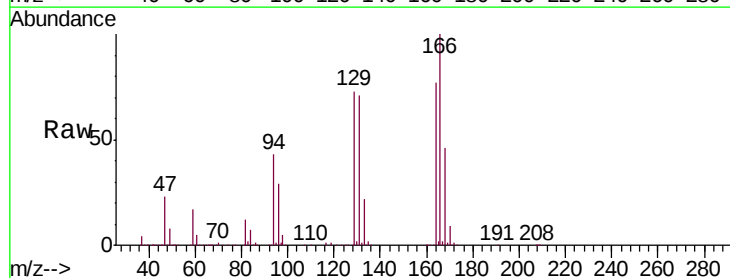
Instrument :
 MSVOA_X
 ClientSampleId :
 1004-MW-02

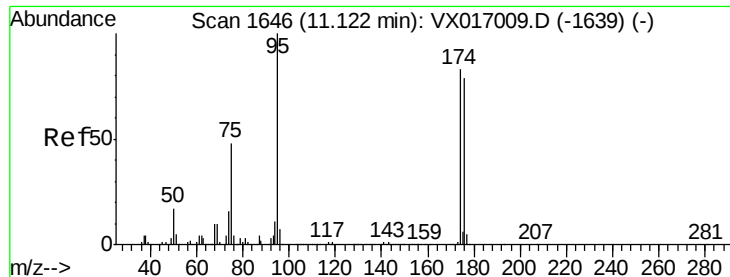
Tgt Ion: 97 Resp: 3534
 Ion Ratio Lower Upper
 97 100
 83 267.4 67.0 100.6#
 85 37.7 43.5 65.3#
 99 23.1 51.0 76.6#



#60
 Dibromochloromethane
 Concen: 120.667 ug/l
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.25 min
 Lab File: VX017232.D
 Acq: 08 Jul 2020 03:15

Tgt Ion: 129 Resp: 406767
 Ion Ratio Lower Upper
 129 100
 127 0.1 38.9 116.7#

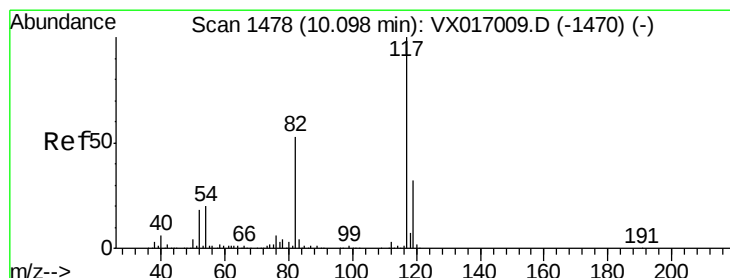
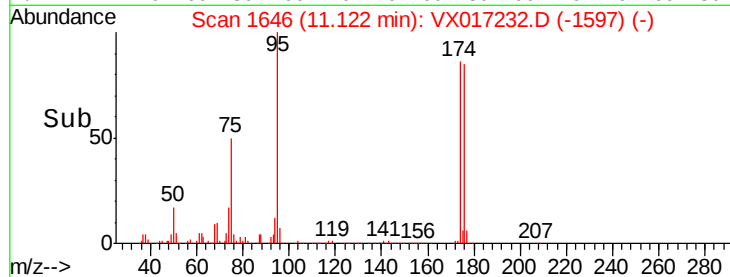
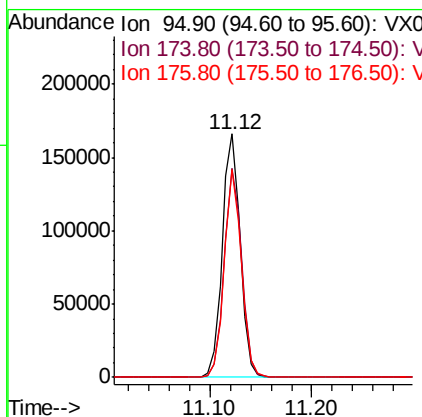
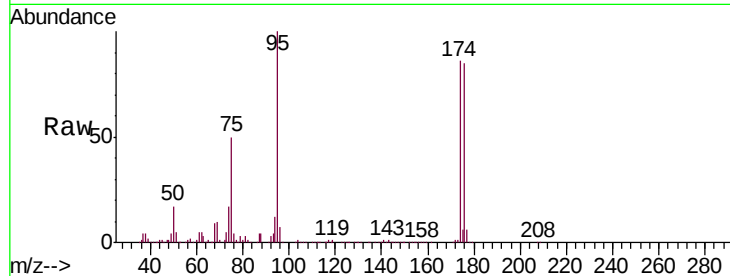




#62
4-Bromofluorobenzene
Concen: 54.416 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017232.D
Acq: 08 Jul 2020 03:15

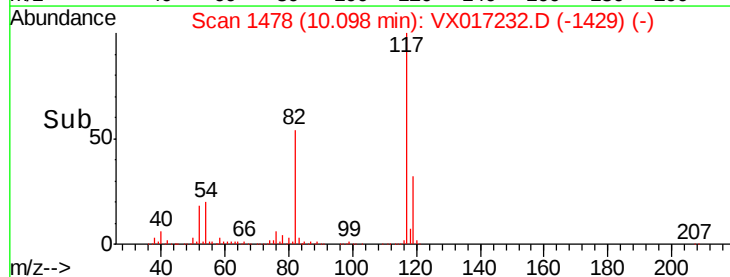
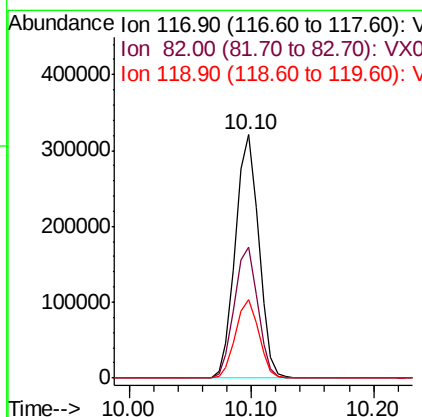
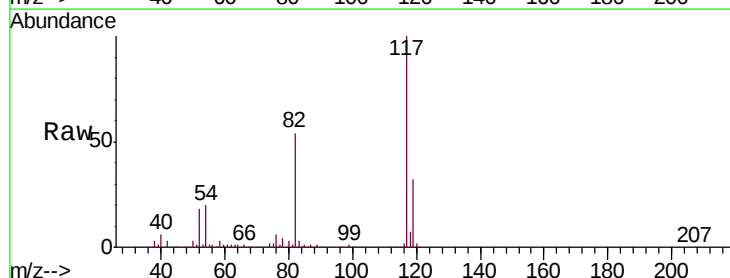
Instrument :
MSVOA_X
ClientSampleId :
1004-MW-02

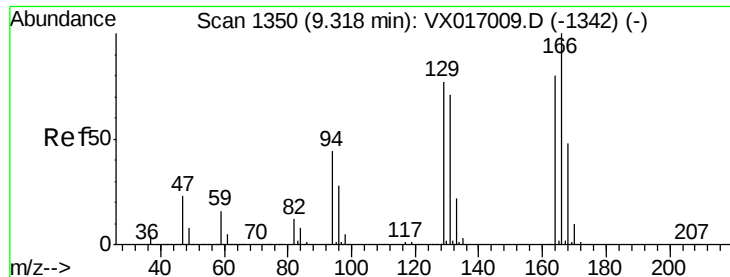
Tgt Ion: 95 Resp: 203868
Ion Ratio Lower Upper
95 100
174 83.7 0.0 164.0
176 81.5 0.0 157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017232.D
Acq: 08 Jul 2020 03:15

Tgt Ion: 117 Resp: 423863
Ion Ratio Lower Upper
117 100
82 53.7 42.6 63.8
119 32.3 25.4 38.2





#64

Tetrachloroethene

Concen: 127.952 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

1004-MW-02

Tgt Ion:164 Resp: 437703

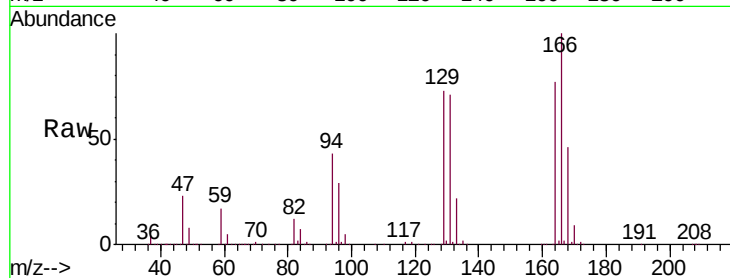
Ion Ratio Lower Upper

164 100

166 130.3 99.4 149.0

129 94.6 76.3 114.5

131 92.2 70.6 105.8

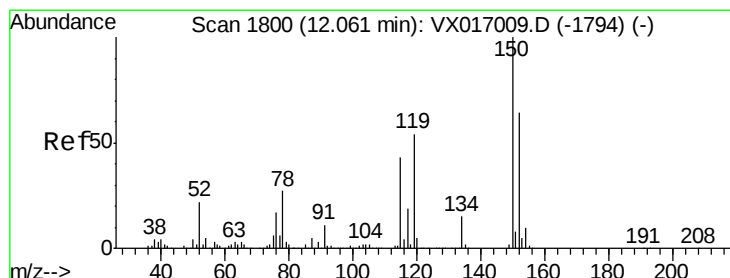
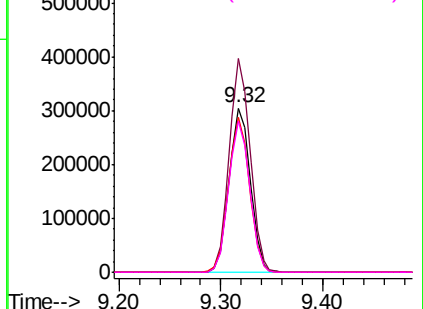
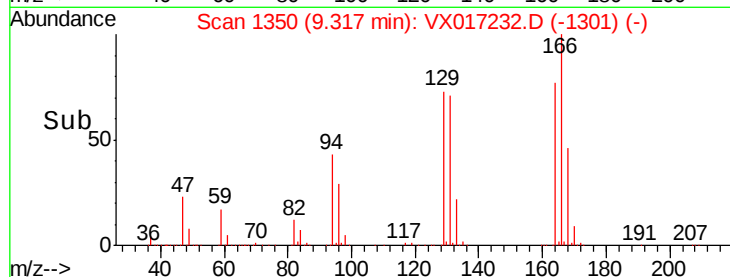


Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

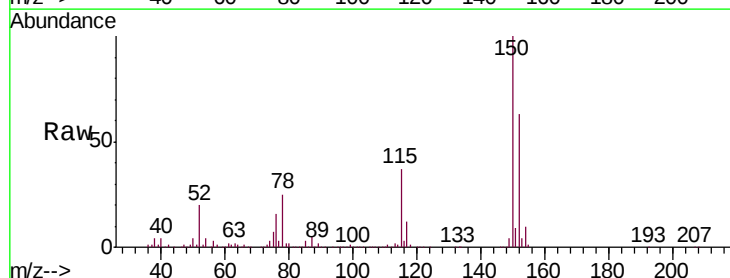
Tgt Ion:152 Resp: 220893

Ion Ratio Lower Upper

152 100

115 57.8 40.9 122.7

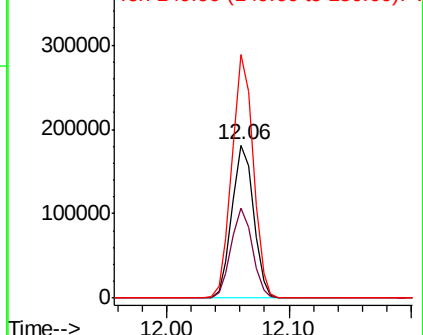
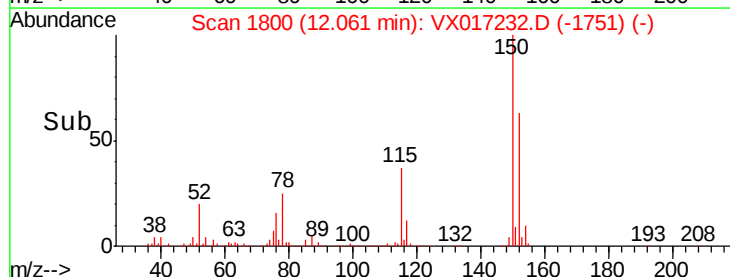
150 156.7 0.0 351.6

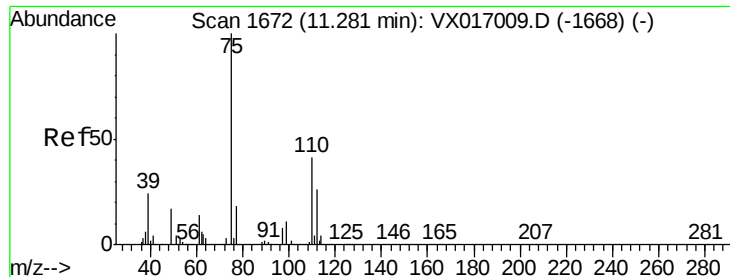


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

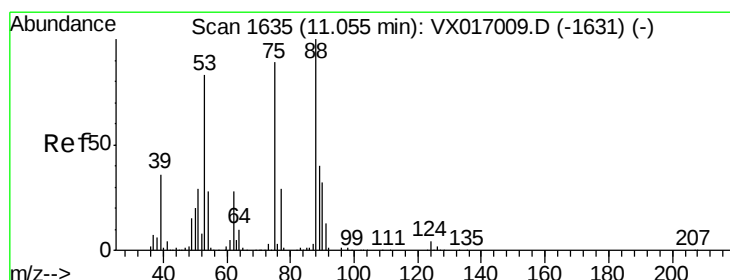
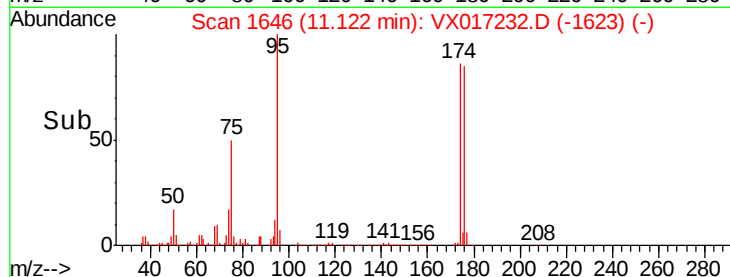
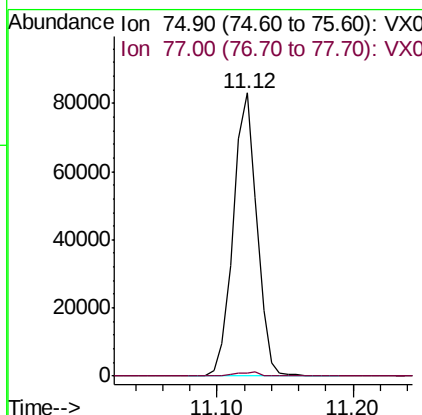
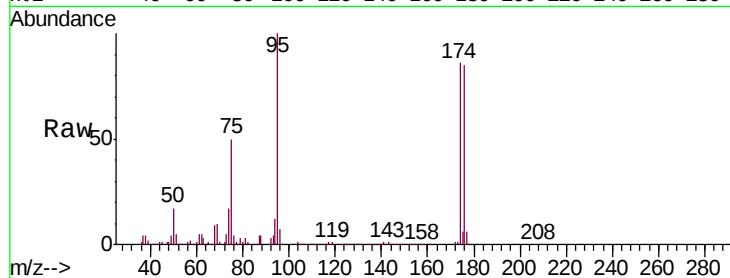




#76
 1,2,3-Trichloropropane
 Concen: 23.120 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017232.D
 Acq: 08 Jul 2020 03:15

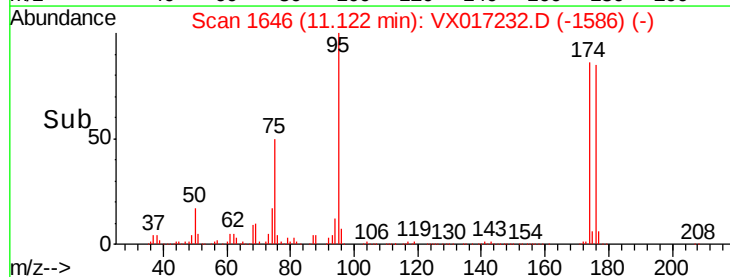
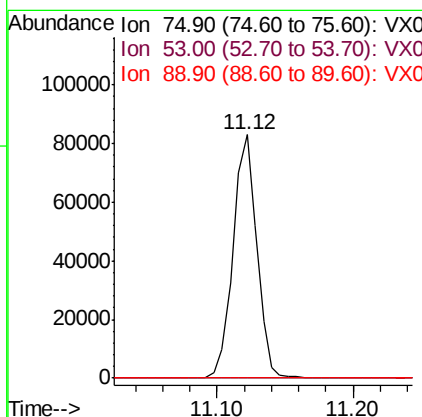
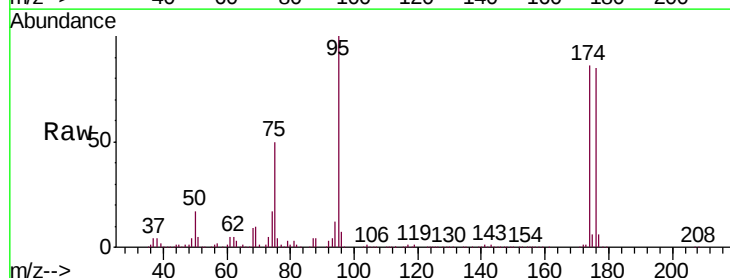
Instrument :
 MSVOA_X
 ClientSampleId :
 1004-MW-02

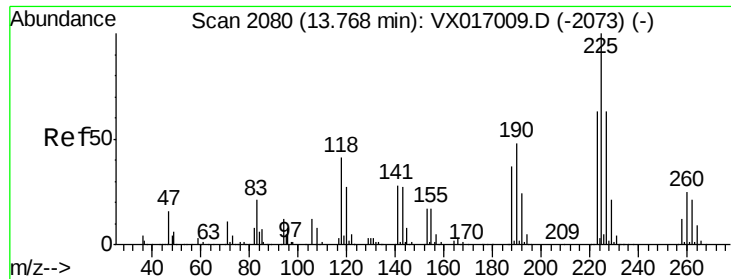
Tgt Ion: 75 Resp: 100425
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.871 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX017232.D
 Acq: 08 Jul 2020 03:15

Tgt Ion: 75 Resp: 100425
 Ion Ratio Lower Upper
 75 100
 53 0.3 72.4 108.6#
 89 0.1 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.881 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017232.D

Acq: 08 Jul 2020 03:15

Instrument :

MSVOA_X

ClientSampleId :

1004-MW-02

Tgt Ion:	225	Resp:	66
Ion Ratio	Lower	Upper	
225	100		
223	0.0	32.5	97.5#
227	0.0	33.1	99.2#

