

Data File : VX017237.D
Acq On : 08 Jul 2020 05:08
Operator : JC/SP
Sample : L3232-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1012-MW-19

Quant Time: Jul 08 06:13:44 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	5.63	168	239542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	409530	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	431507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	226443	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	164412	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
35) Dibromofluoromethane	5.47	113	142124	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
50) Toluene-d8	8.70	98	498328	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	11.12	95	201363	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	

Target Compounds

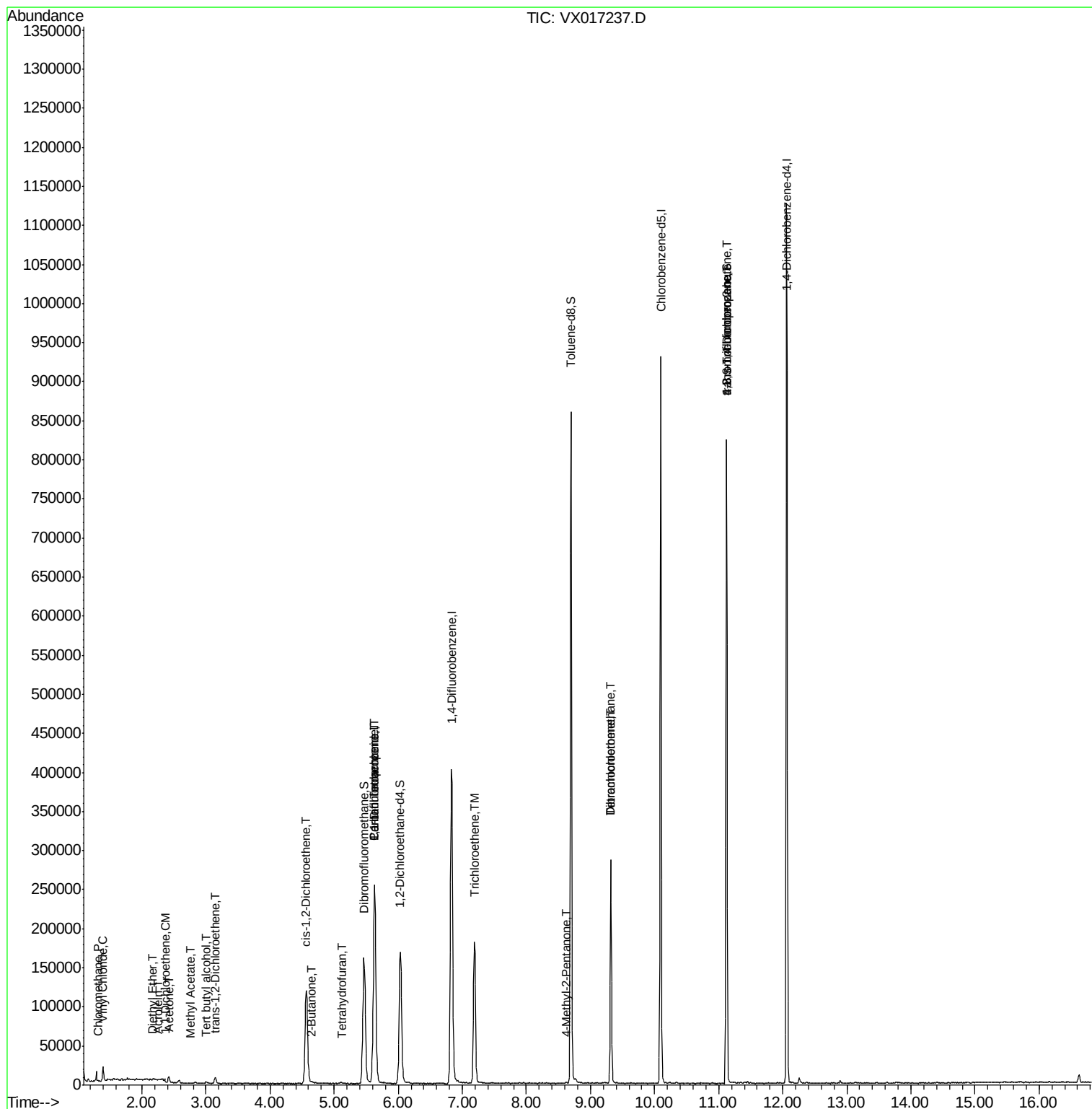
						Qvalue
3) Chloromethane	1.32	50	806	0.287	ug/l #	82
4) Vinyl Chloride	1.39	62	9111	3.501	ug/l	92
8) Diethyl Ether	2.17	74	60	0.411	ug/l #	1
11) Tert butyl alcohol	3.00	59	1991	3.534	ug/l #	73
12) 1,1-Dichloroethene	2.36	96	1057	0.446	ug/l #	94
13) Acrolein	2.26	56	407	1.209	ug/l #	46
16) Acetone	2.42	43	8129	7.358	ug/l	93
18) Methyl Acetate	2.76	43	590	0.205	ug/l	93
20) Methylene Chloride	2.85	84	581	Below Cal	#	51
21) trans-1,2-Dichloroethene	3.15	96	3355	1.276	ug/l	96
25) 2-Butanone	4.65	43	1849	1.004	ug/l	92
27) cis-1,2-Dichloroethene	4.56	96	78538	26.355	ug/l	90
29) Tetrahydrofuran	5.12	42	1622	1.334	ug/l #	78
36) 1,1-Dichloropropene	5.64	75	18197	4.701	ug/l #	50
38) Carbon Tetrachloride	5.64	117	24153	5.666	ug/l #	18
44) Trichloroethene	7.19	130	73397	23.223	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1096	0.282	ug/l	90
60) Dibromochloromethane	9.32	129	52377	15.545	ug/l #	11
64) Tetrachloroethene	9.32	164	55756	16.010	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	100221	22.507	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	100221	58.285	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	389	Below Cal	#	1

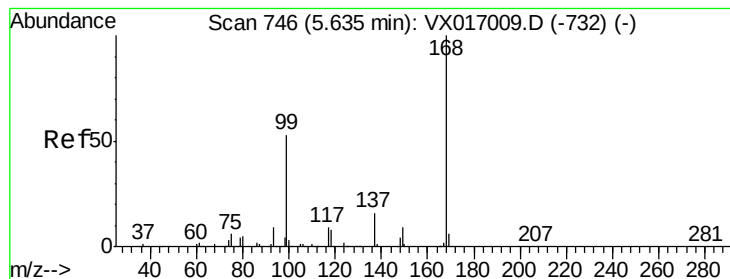
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX017237.D
Acq On : 08 Jul 2020 05:08
Operator : JC/SP
Sample : L3232-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1012-MW-19

Quant Time: Jul 08 06:13:44 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017237.D

Acq: 08 Jul 2020 05:08

Instrument :

MSVOA_X

ClientSampleId :

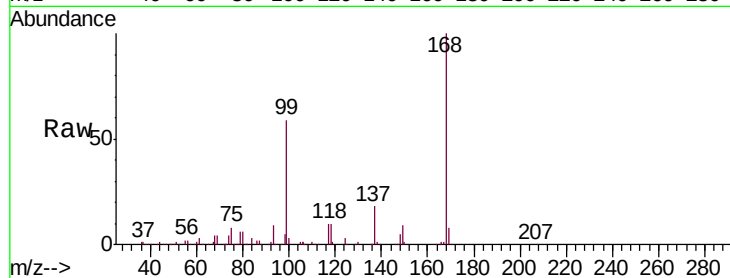
1012-MW-19

Tgt Ion:168 Resp: 239542

Ion Ratio Lower Upper

168 100

99 59.0 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

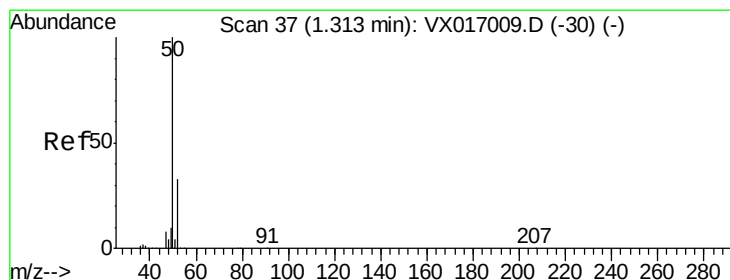
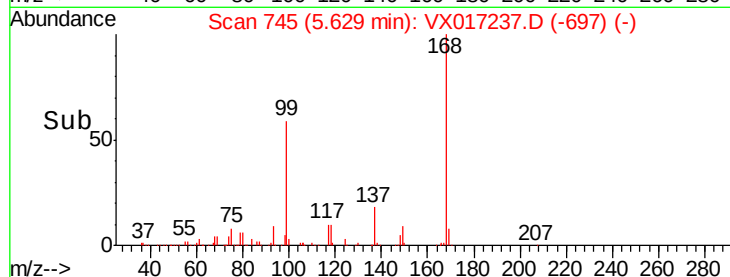
40000

20000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.287 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017237.D

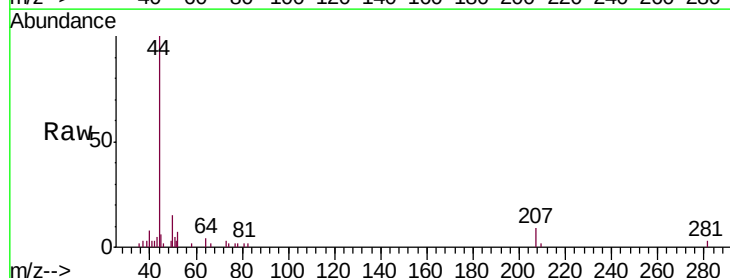
Acq: 08 Jul 2020 05:08

Tgt Ion: 50 Resp: 806

Ion Ratio Lower Upper

50 100

52 42.6 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

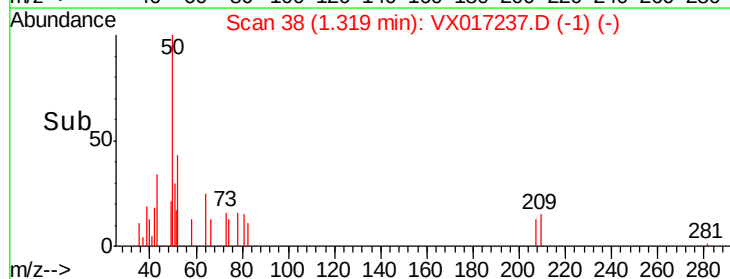
200

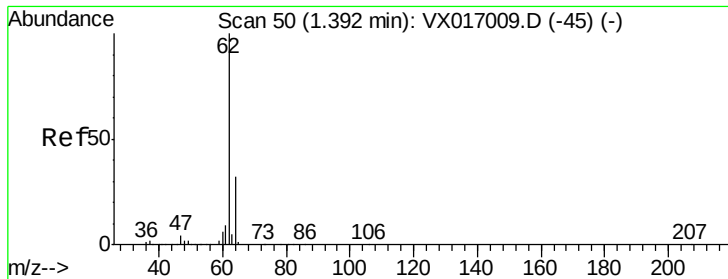
100

0

Time-->

1.25 1.30 1.35





#4

Vinyl Chloride

Concen: 3.501 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017237.D

Acq: 08 Jul 2020 05:08

Instrument :

MSVOA_X

ClientSampleId :

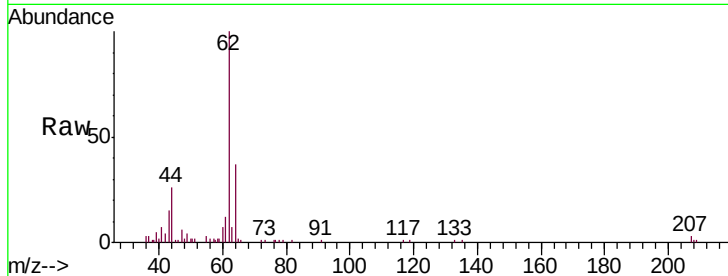
1012-MW-19

Tgt Ion: 62 Resp: 9111

Ion Ratio Lower Upper

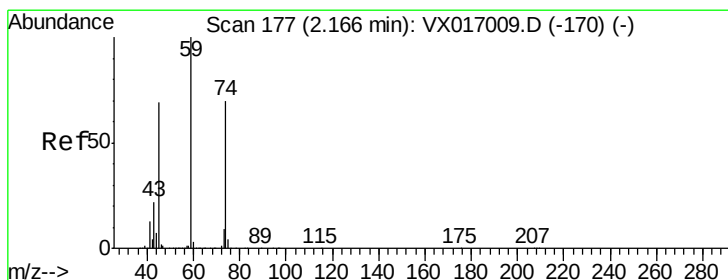
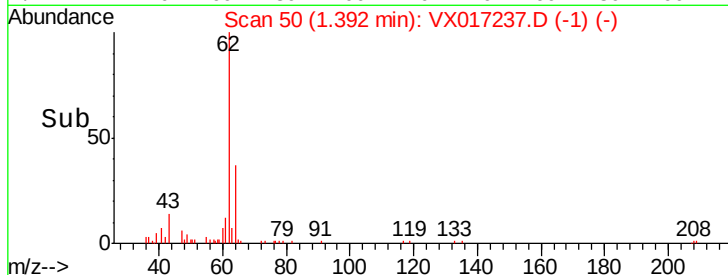
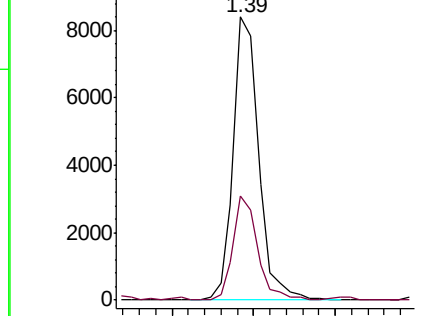
62 100

64 36.6 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: 0.411 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017237.D

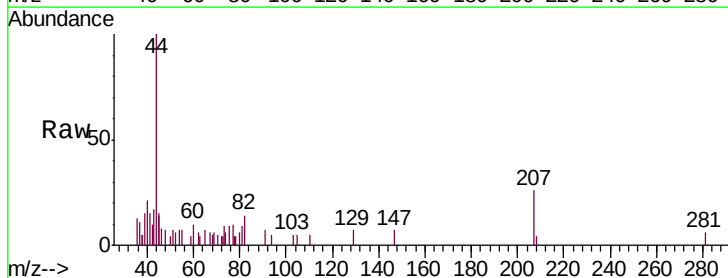
Acq: 08 Jul 2020 05:08

Tgt Ion: 74 Resp: 60

Ion Ratio Lower Upper

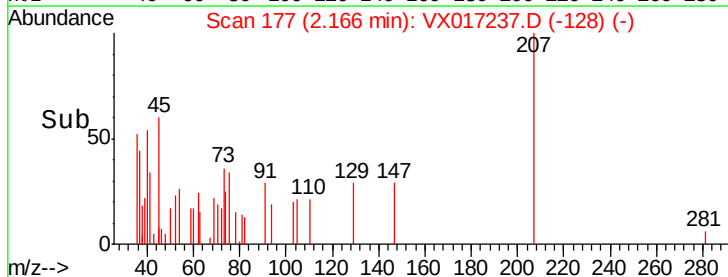
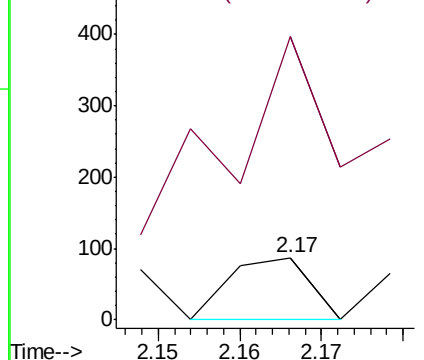
74 100

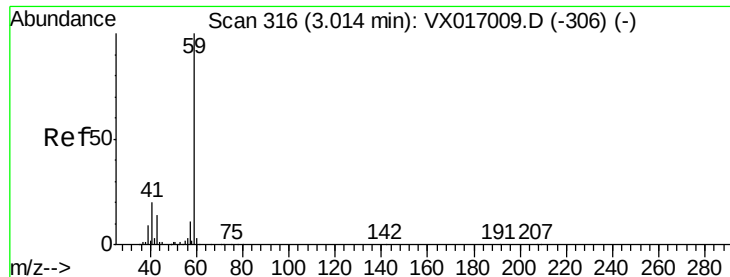
45 605.0 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

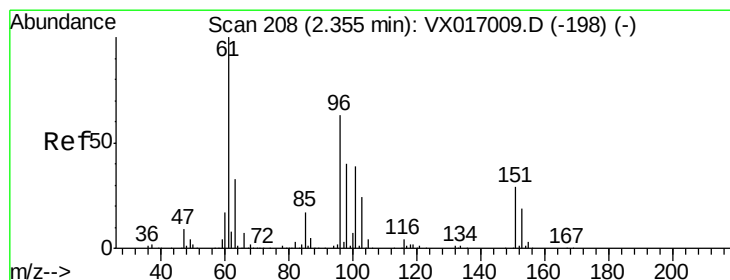
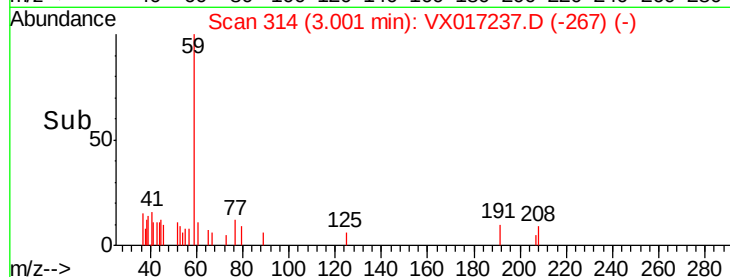
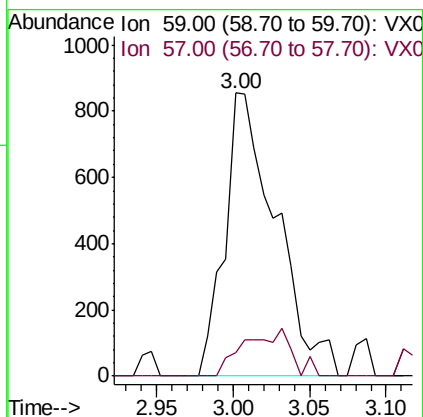
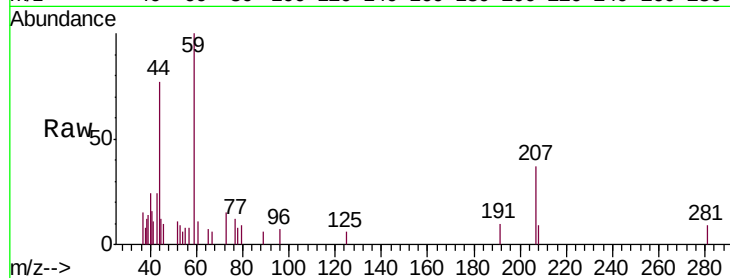




#11
Tert butyl alcohol
Concen: 3.534 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX017237.D
Acq: 08 Jul 2020 05:08

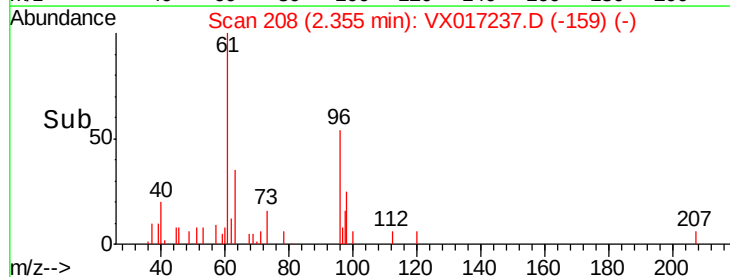
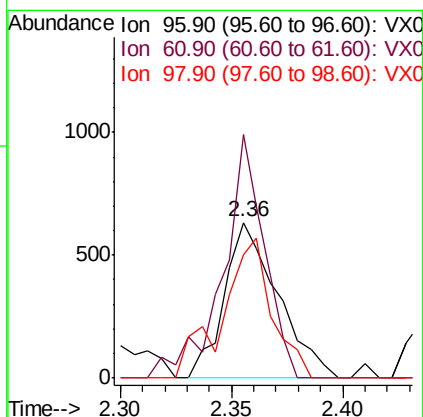
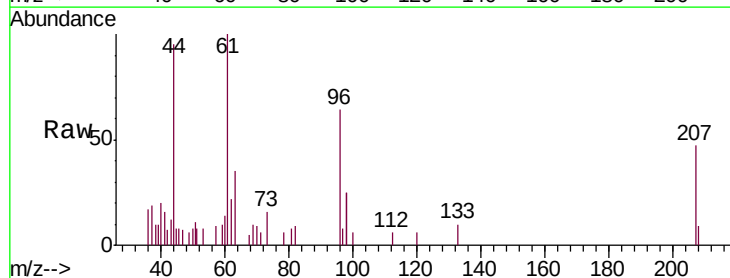
Instrument :
MSVOA_X
ClientSampleId :
1012-MW-19

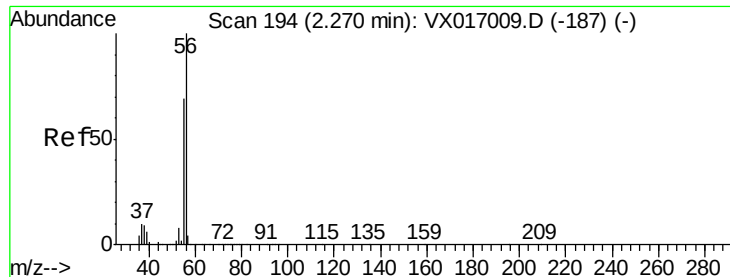
Tgt Ion: 59 Resp: 1991
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.446 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX017237.D
Acq: 08 Jul 2020 05:08

Tgt Ion: 96 Resp: 1057
Ion Ratio Lower Upper
96 100
61 156.6 126.3 189.5
98 79.0 51.0 76.6#





#13

Acrolein

Concen: 1.209 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX017237.D

Acq: 08 Jul 2020 05:08

Instrument :

MSVOA_X

ClientSampleId :

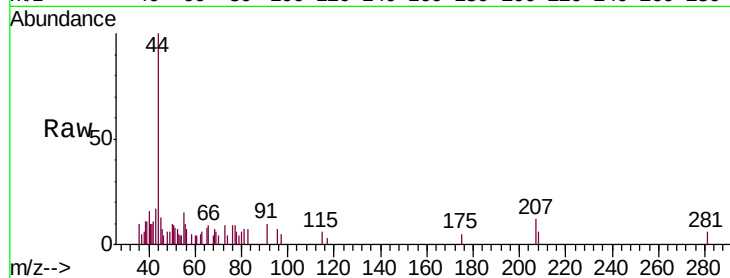
1012-MW-19

Tgt Ion: 56 Resp: 407

Ion Ratio Lower Upper

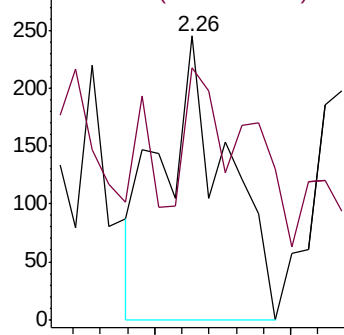
56 100

55 25.6 55.7 83.5#

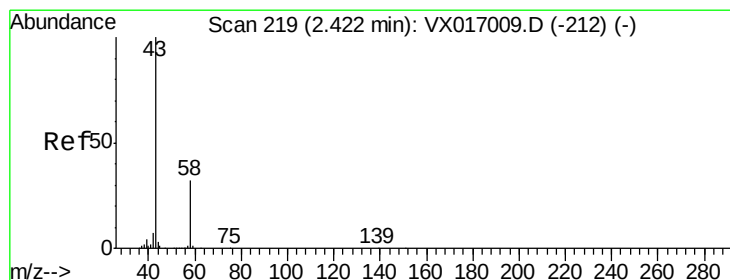
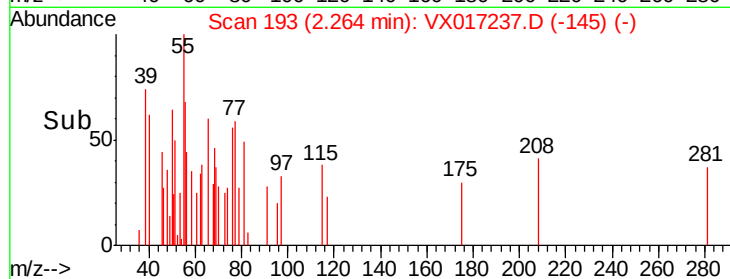


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 7.358 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017237.D

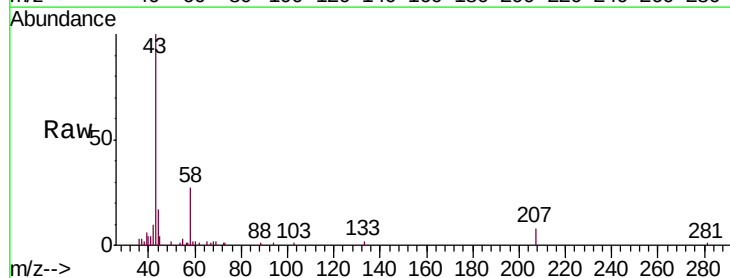
Acq: 08 Jul 2020 05:08

Tgt Ion: 43 Resp: 8129

Ion Ratio Lower Upper

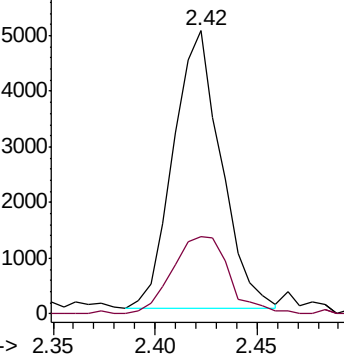
43 100

58 28.0 25.7 38.5

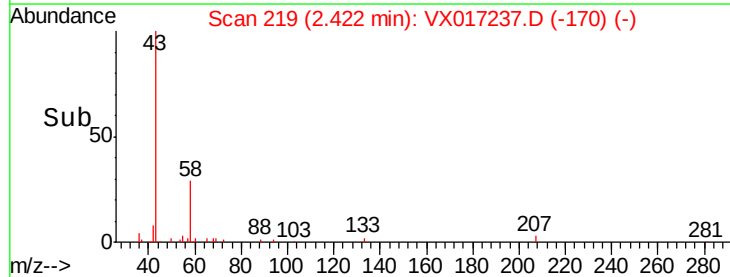


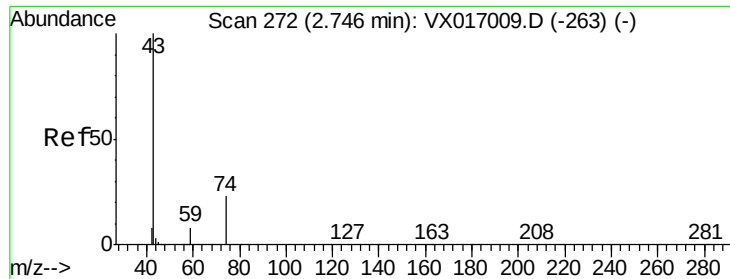
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

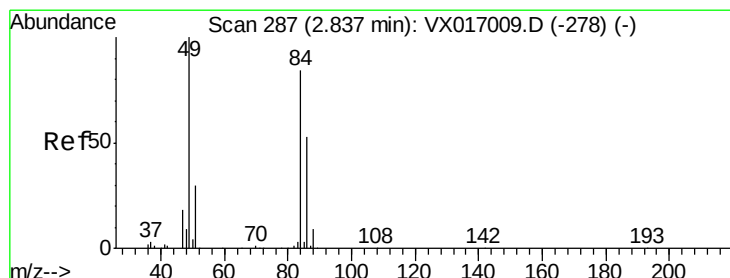
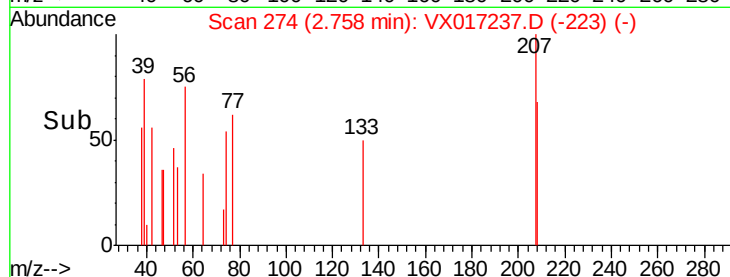
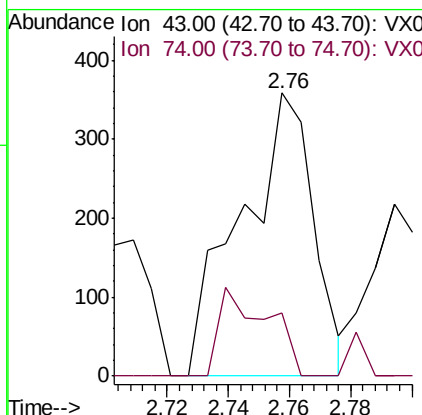
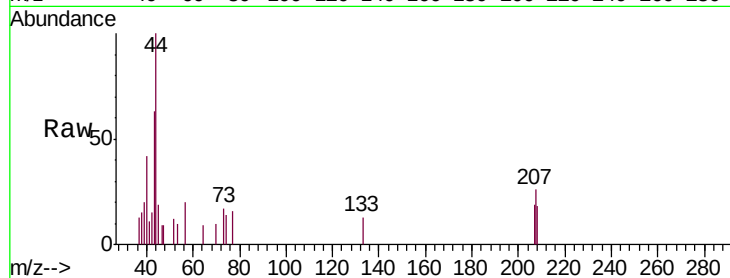




#18
Methyl Acetate
Concen: 0.205 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017237.D
Acq: 08 Jul 2020 05:08

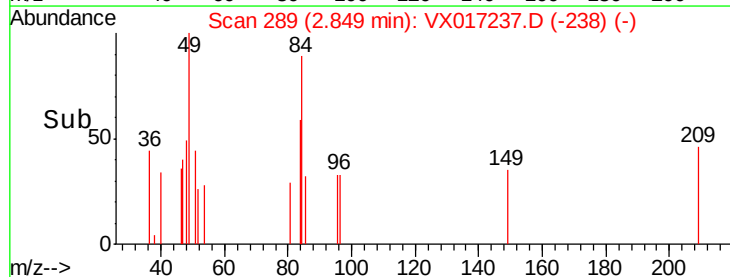
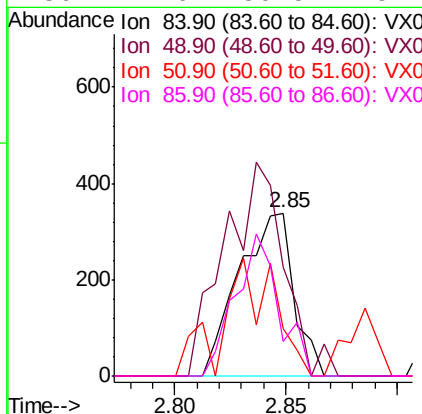
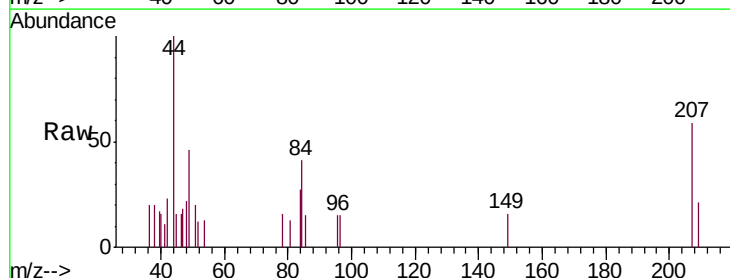
Instrument :
MSVOA_X
ClientSampled :
1012-MW-19

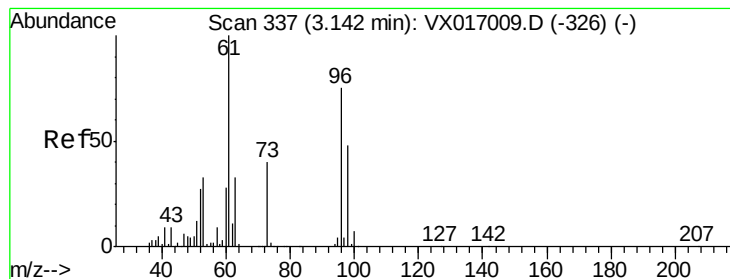
Tgt Ion: 43 Resp: 590
Ion Ratio Lower Upper
43 100
74 20.8 19.3 28.9



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 289
Delta R.T. 0.01 min
Lab File: VX017237.D
Acq: 08 Jul 2020 05:08

Tgt Ion: 84 Resp: 581
Ion Ratio Lower Upper
84 100
49 67.2 94.7 142.1#
51 7.7 28.6 42.8#
86 21.6 50.5 75.7#





#21

trans-1,2-Dichloroethene

Concen: 1.276 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX017237.D

Acq: 08 Jul 2020 05:08

Instrument :

MSVOA_X

ClientSampled :

1012-MW-19

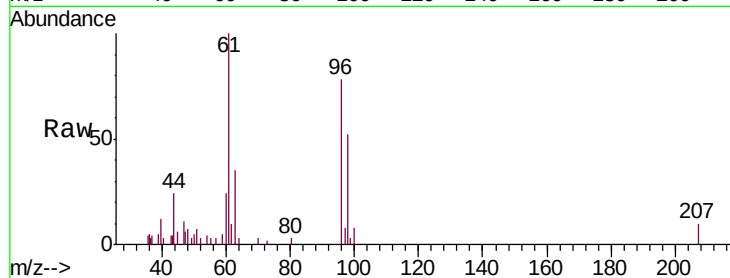
Tgt Ion: 96 Resp: 3355

Ion Ratio Lower Upper

96 100

61 128.6 107.0 160.6

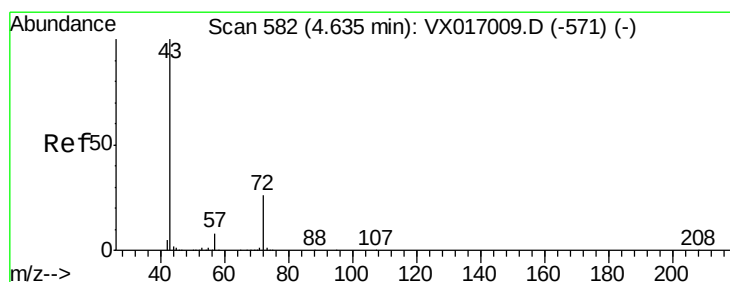
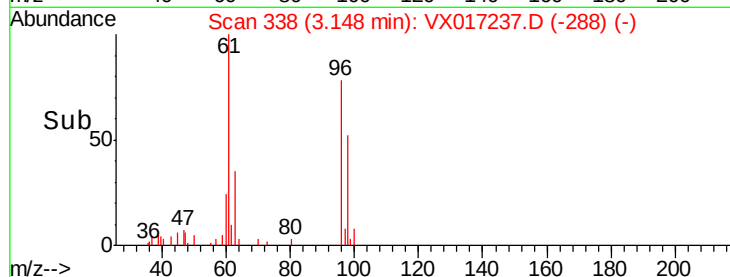
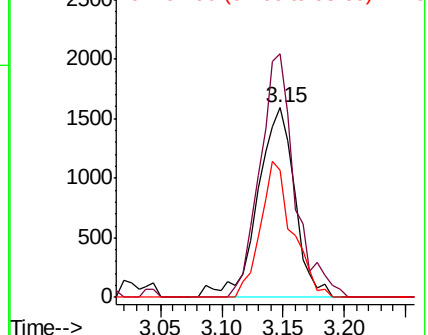
98 67.5 51.6 77.4



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



#25

2-Butanone

Concen: 1.004 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017237.D

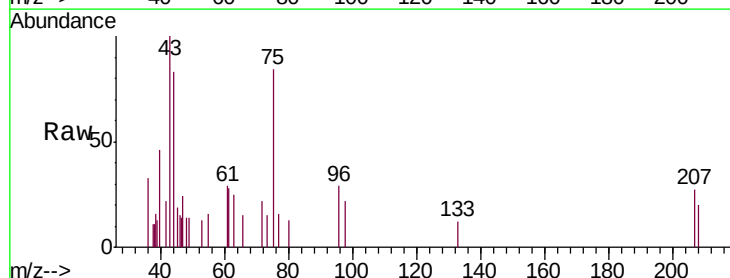
Acq: 08 Jul 2020 05:08

Tgt Ion: 43 Resp: 1849

Ion Ratio Lower Upper

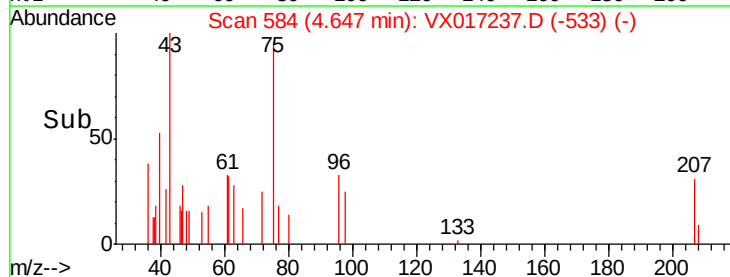
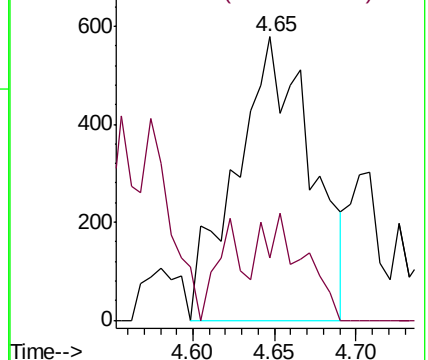
43 100

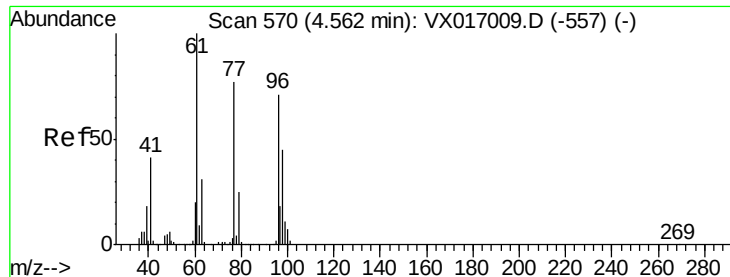
72 22.1 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



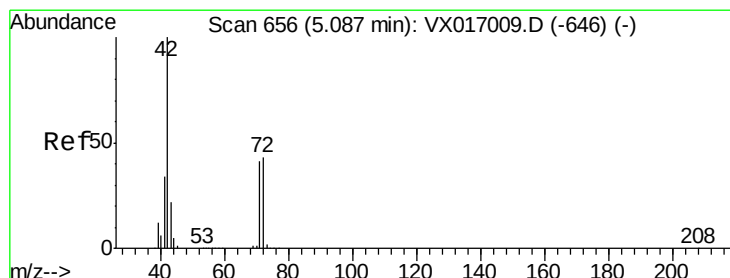
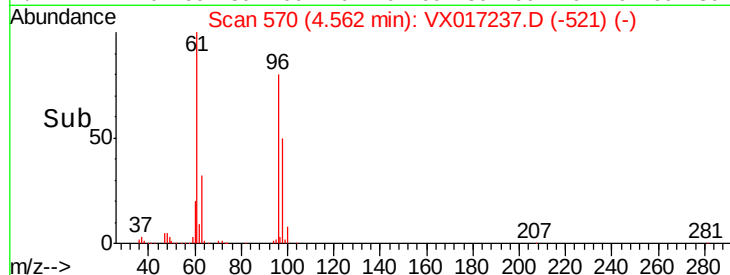
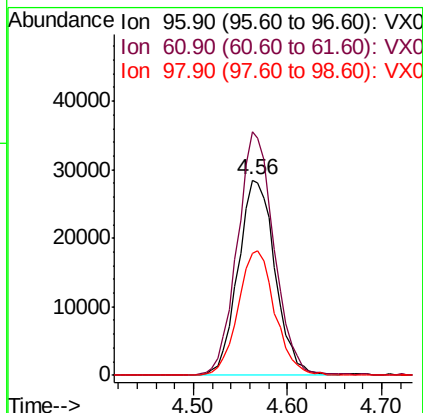
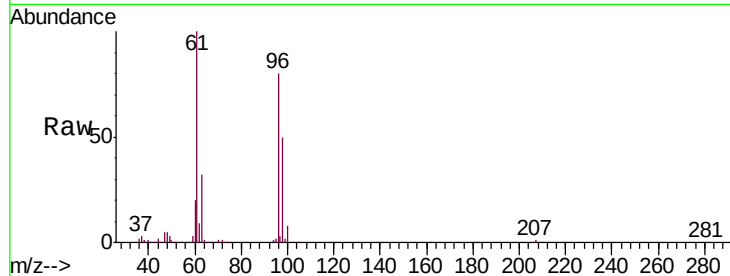


#27

cis-1,2-Dichloroethene
 Concen: 26.355 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX017237.D
 Acq: 08 Jul 2020 05:08

Instrument :
 MSVOA_X
 ClientSampled :
 1012-MW-19

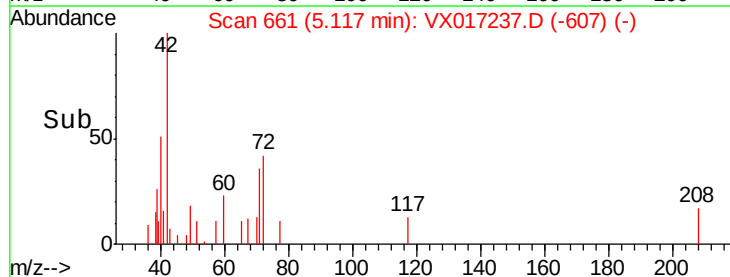
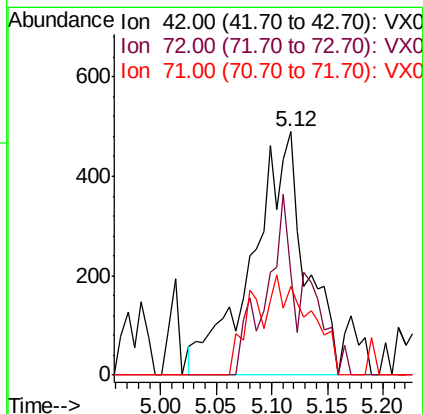
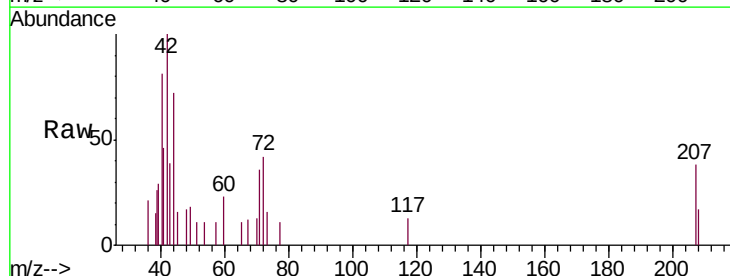
Tgt Ion: 96 Resp: 78538
 Ion Ratio Lower Upper
 96 100
 61 123.6 0.0 282.8
 98 63.3 0.0 127.6

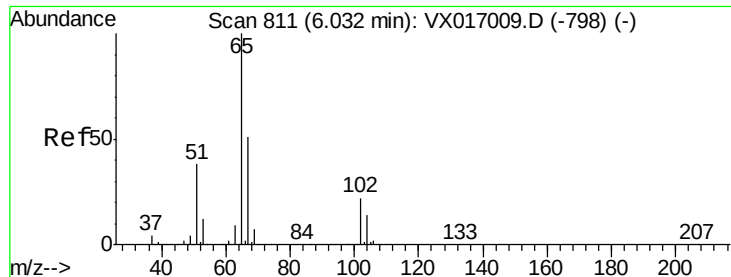


#29

Tetrahydrofuran
 Concen: 1.334 ug/l
 RT: 5.12 min Scan# 661
 Delta R.T. 0.03 min
 Lab File: VX017237.D
 Acq: 08 Jul 2020 05:08

Tgt Ion: 42 Resp: 1622
 Ion Ratio Lower Upper
 42 100
 72 27.3 35.3 52.9#
 71 30.0 33.1 49.7#

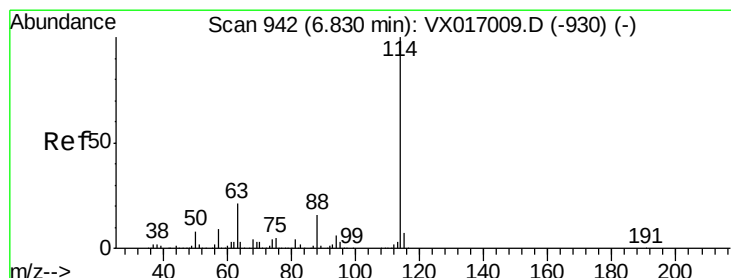
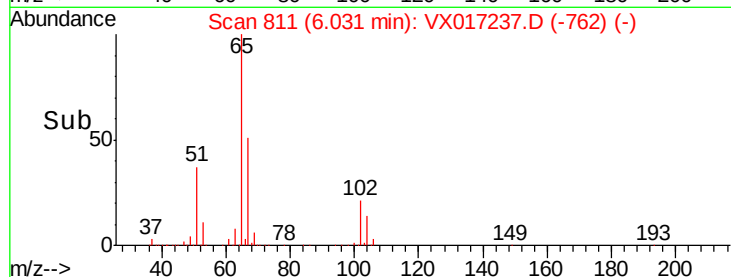
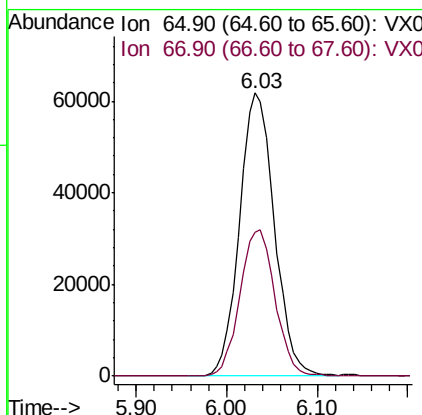
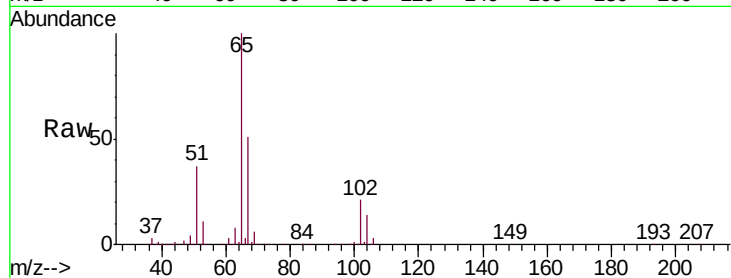




#33
 1,2-Dichloroethane-d4
 Concen: 55.675 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017237.D
 Acq: 08 Jul 2020 05:08

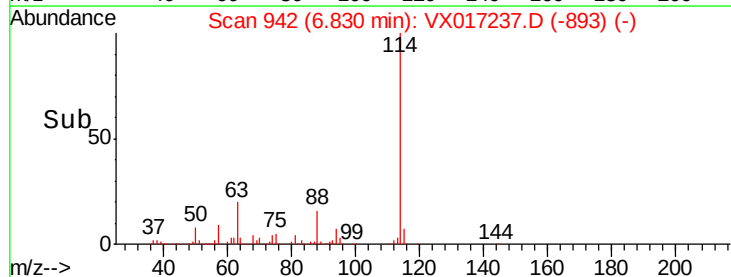
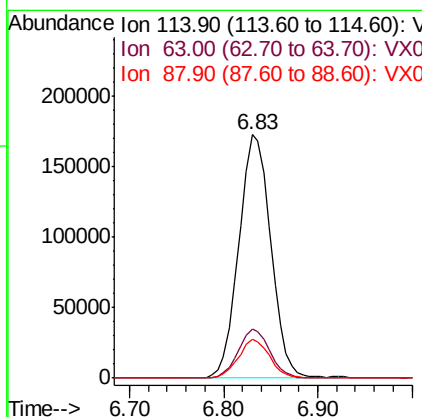
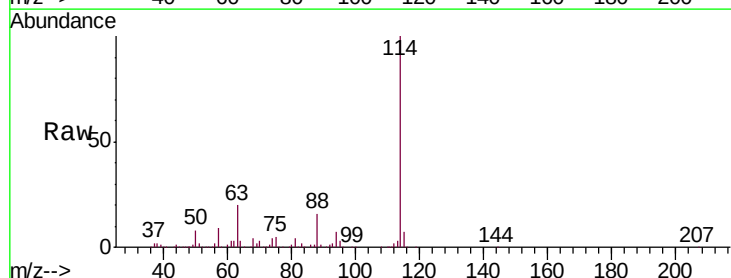
Instrument :
 MSVOA_X
 ClientSampleId :
 1012-MW-19

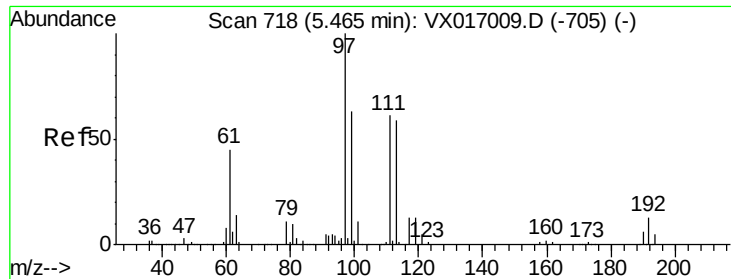
Tgt Ion: 65 Resp: 164412
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017237.D
 Acq: 08 Jul 2020 05:08

Tgt Ion: 114 Resp: 409530
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 15.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 54.862 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017237.D

Acq: 08 Jul 2020 05:08

Instrument :

MSVOA_X

ClientSampleId :

1012-MW-19

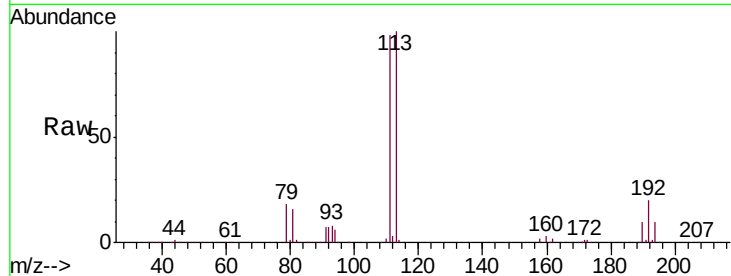
Tgt Ion:113 Resp: 142124

Ion Ratio Lower Upper

113 100

111 100.5 81.9 122.9

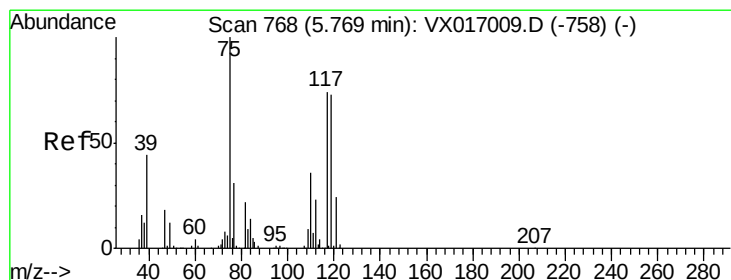
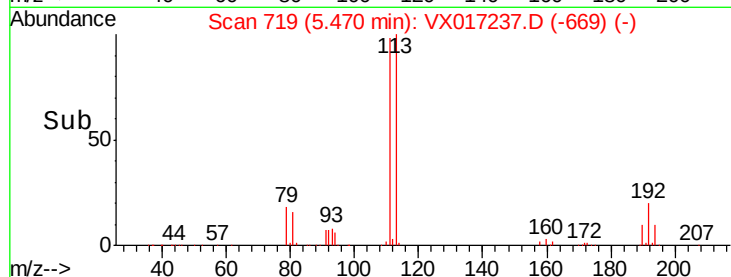
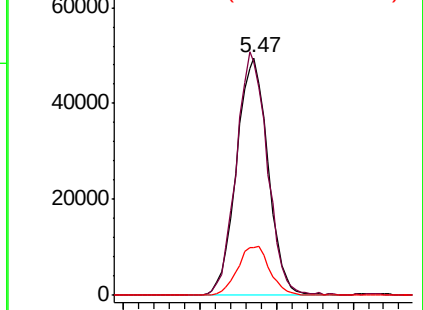
192 21.0 16.7 25.1



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: 4.701 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017237.D

Acq: 08 Jul 2020 05:08

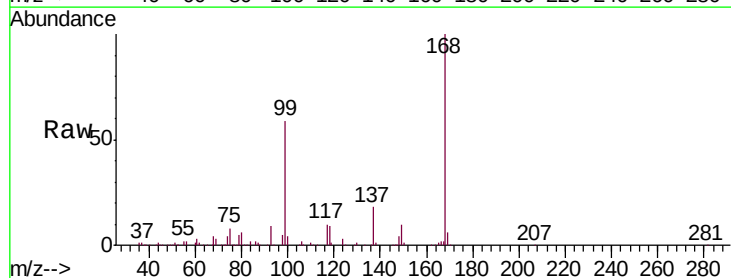
Tgt Ion: 75 Resp: 18197

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.1#

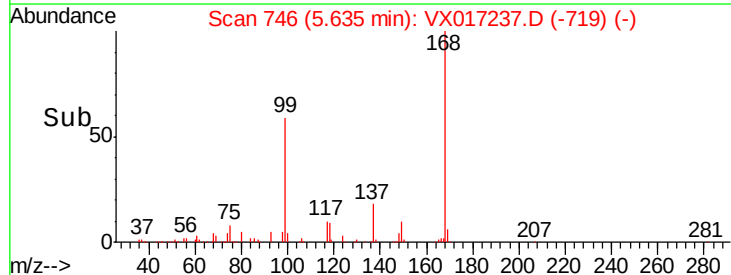
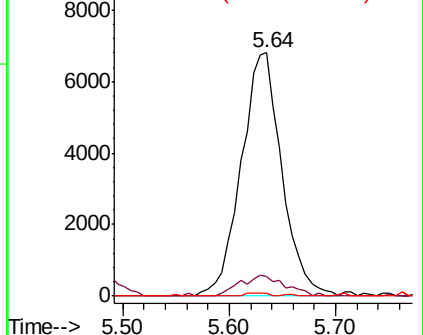
77 0.6 24.6 37.0#

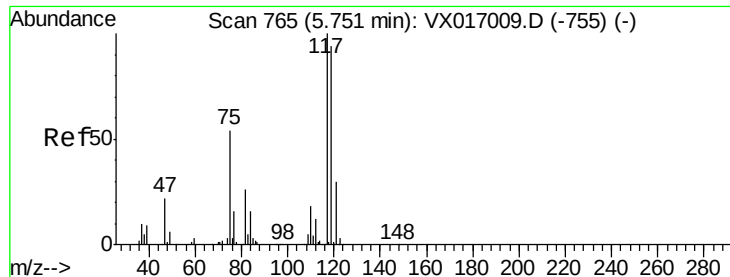


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.666 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017237.D

Acq: 08 Jul 2020 05:08

Instrument :

MSVOA_X

ClientSampleId :

1012-MW-19

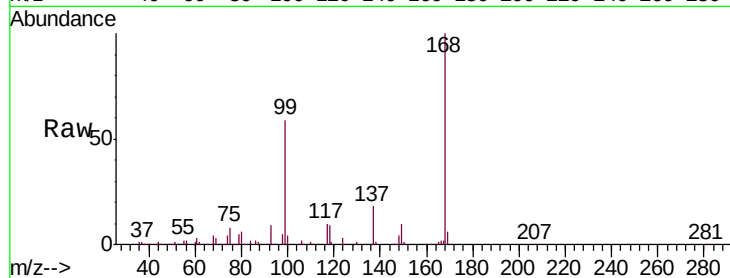
Tgt Ion:117 Resp: 24153

Ion Ratio Lower Upper

117 100

119 6.5 75.4 113.0#

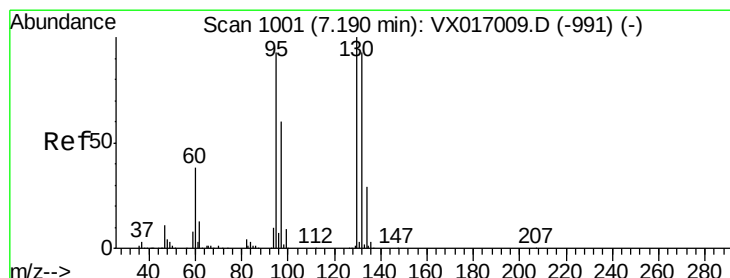
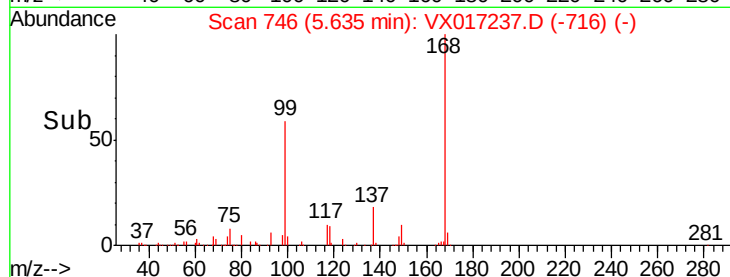
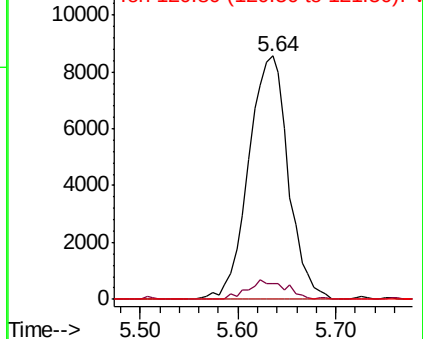
121 0.0 23.8 35.6#



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: 23.223 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017237.D

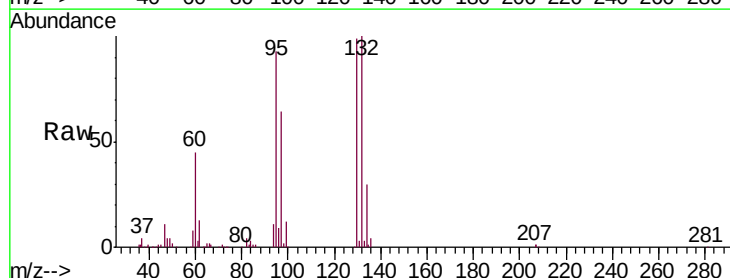
Acq: 08 Jul 2020 05:08

Tgt Ion:130 Resp: 73397

Ion Ratio Lower Upper

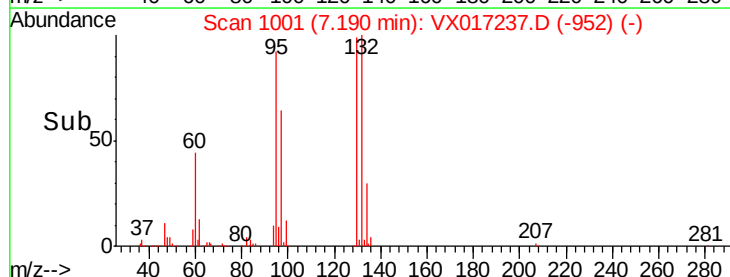
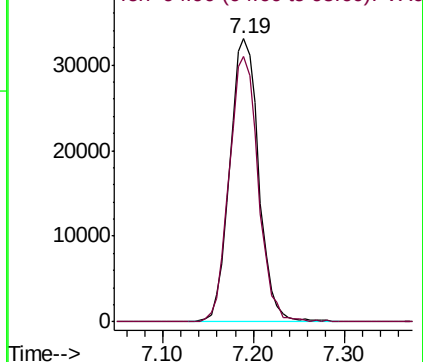
130 100

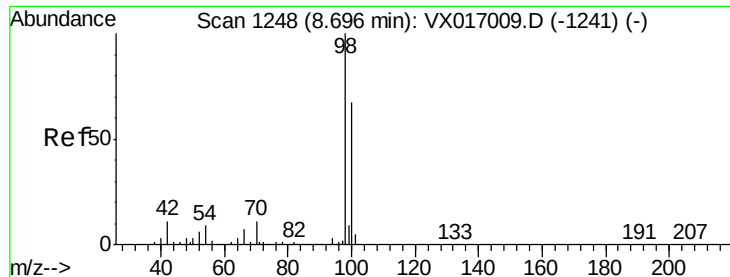
95 93.8 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

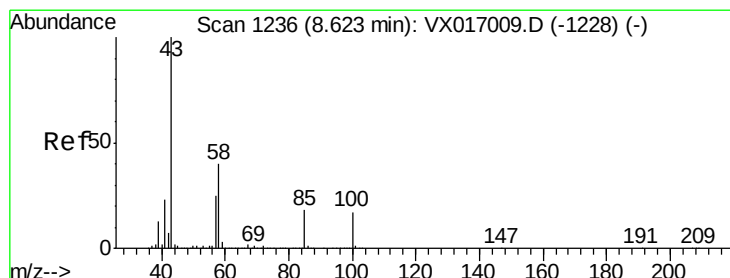
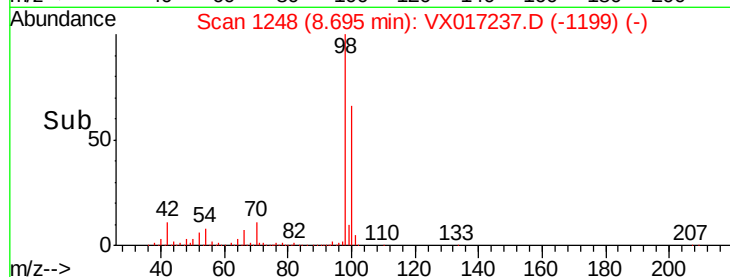
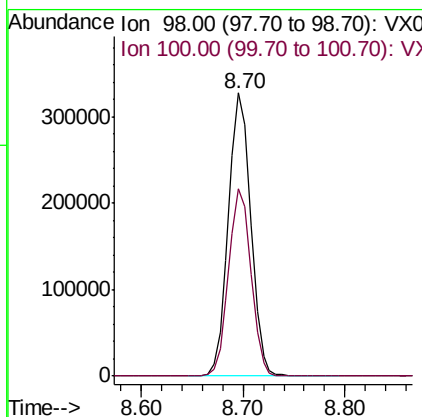
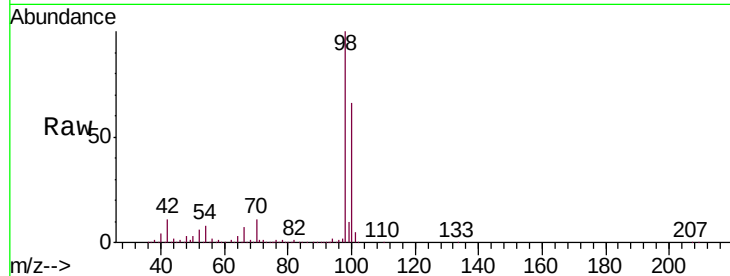




#50
Toluene-d8
Concen: 52.021 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017237.D
Acq: 08 Jul 2020 05:08

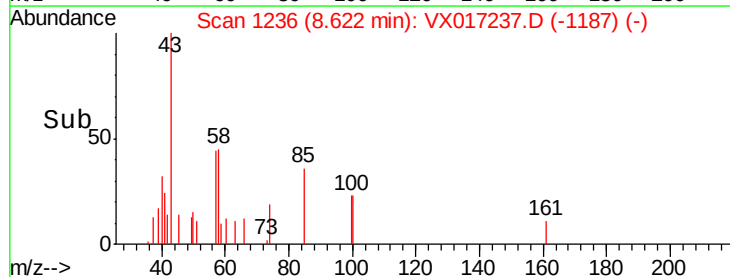
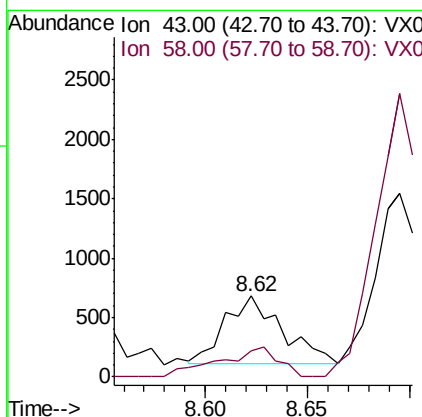
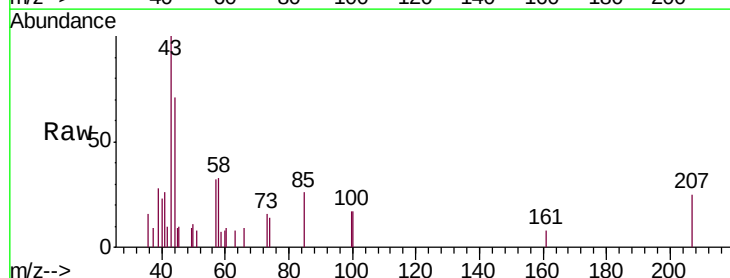
Instrument :
MSVOA_X
ClientSampleId :
1012-MW-19

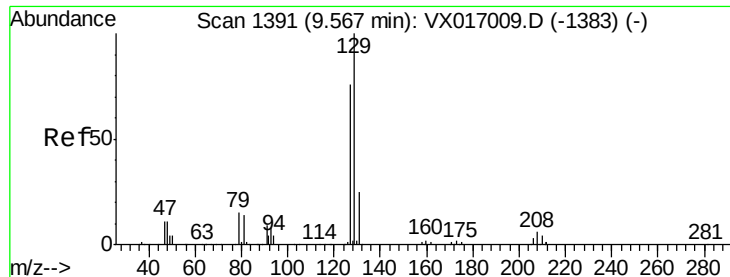
Tgt Ion: 98 Resp: 498328
Ion Ratio Lower Upper
98 100
100 66.3 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 0.282 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017237.D
Acq: 08 Jul 2020 05:08

Tgt Ion: 43 Resp: 1096
Ion Ratio Lower Upper
43 100
58 46.2 31.9 47.9





#60

Dibromochloromethane

Concen: 15.545 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX017237.D

Acq: 08 Jul 2020 05:08

Instrument :

MSVOA_X

ClientSampleId :

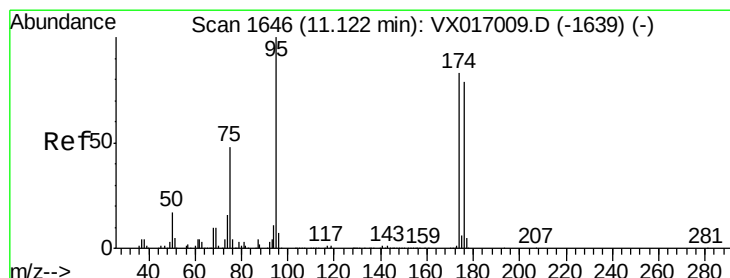
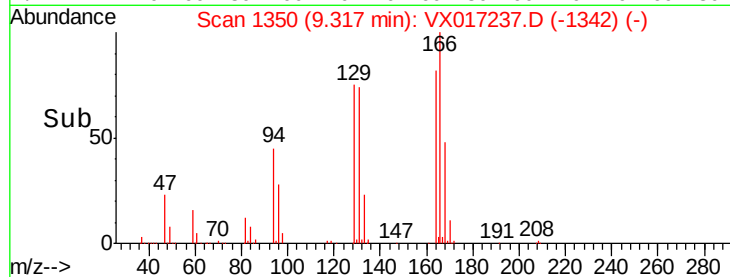
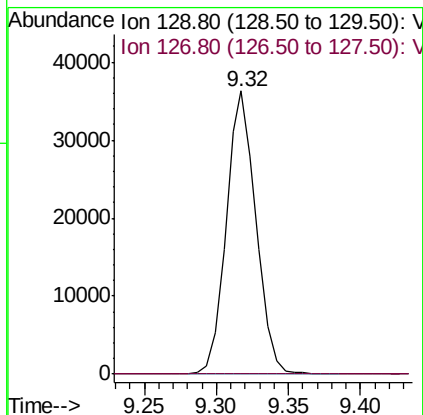
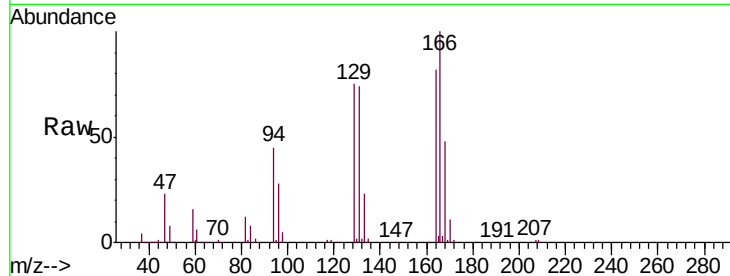
1012-MW-19

Tgt Ion:129 Resp: 52377

Ion Ratio Lower Upper

129 100

127 0.1 38.9 116.7#



#62

4-Bromofluorobenzene

Concen: 53.773 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017237.D

Acq: 08 Jul 2020 05:08

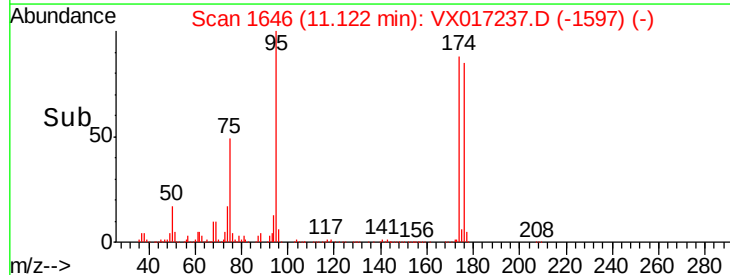
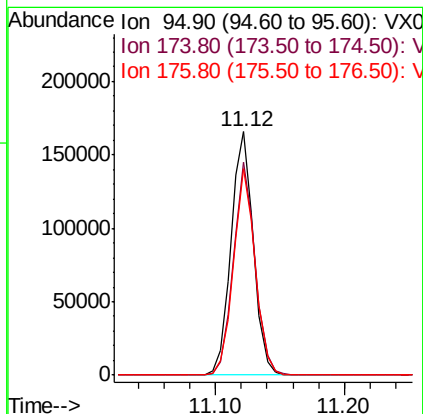
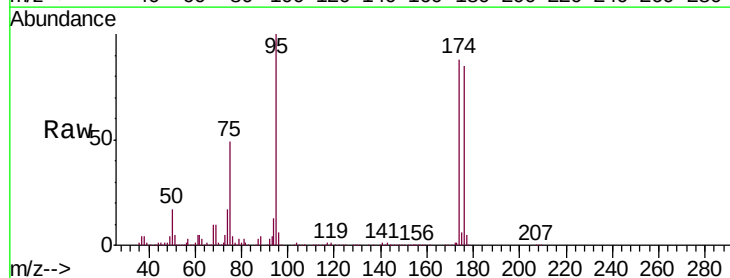
Tgt Ion: 95 Resp: 201363

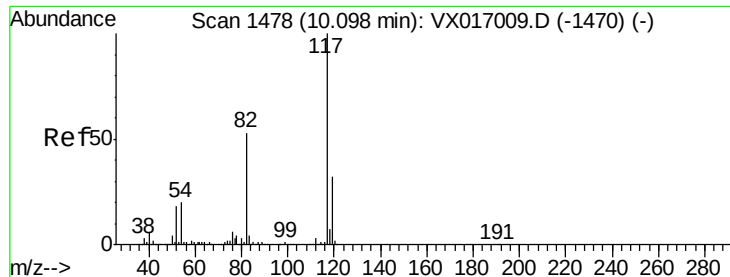
Ion Ratio Lower Upper

95 100

174 84.9 0.0 164.0

176 82.4 0.0 157.6

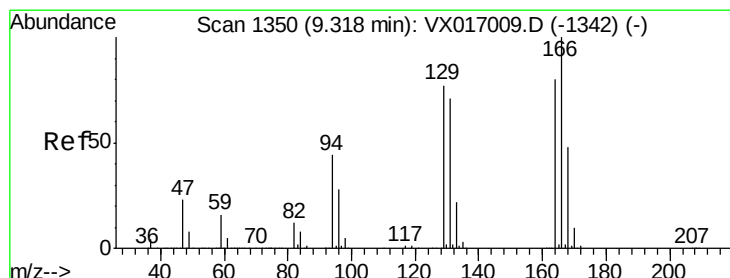
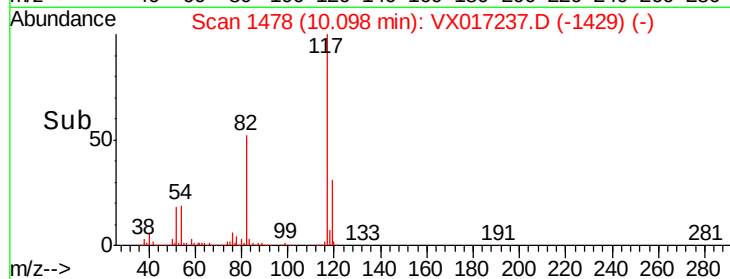
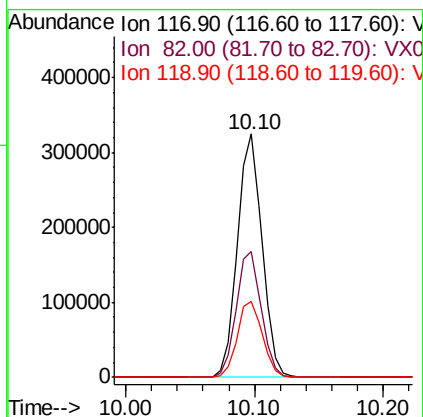
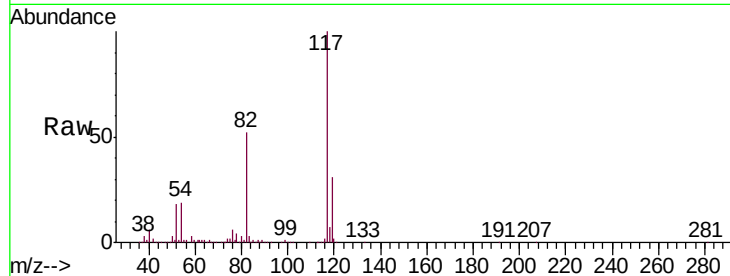




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017237.D
Acq: 08 Jul 2020 05:08

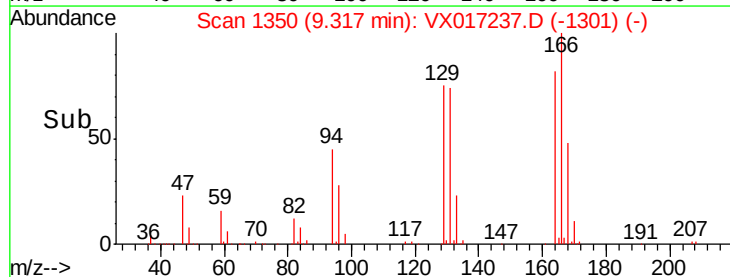
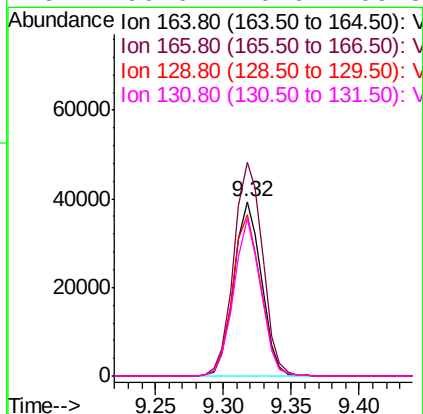
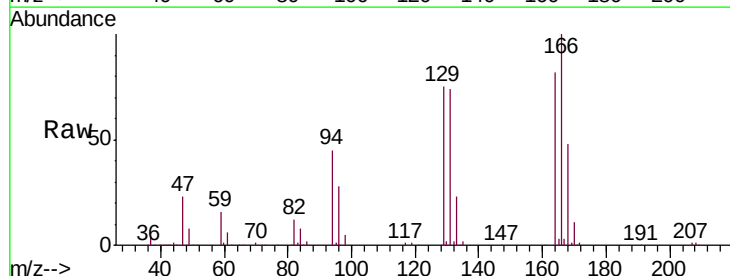
Instrument :
MSVOA_X
ClientSampleId :
1012-MW-19

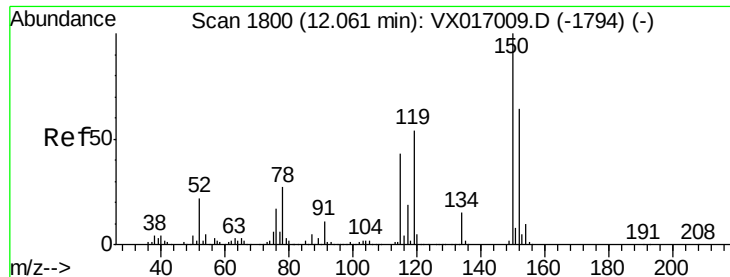
Tgt Ion:117 Resp: 431507
Ion Ratio Lower Upper
117 100
82 51.9 42.6 63.8
119 31.2 25.4 38.2



#64
Tetrachloroethene
Concen: 16.010 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017237.D
Acq: 08 Jul 2020 05:08

Tgt Ion:164 Resp: 55756
Ion Ratio Lower Upper
164 100
166 122.6 99.4 149.0
129 92.3 76.3 114.5
131 90.6 70.6 105.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017237.D

Acq: 08 Jul 2020 05:08

Instrument :

MSVOA_X

ClientSampleId :

1012-MW-19

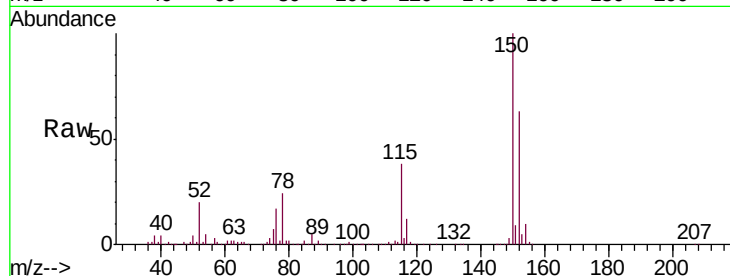
Tgt Ion:152 Resp: 226443

Ion Ratio Lower Upper

152 100

115 57.6 40.9 122.7

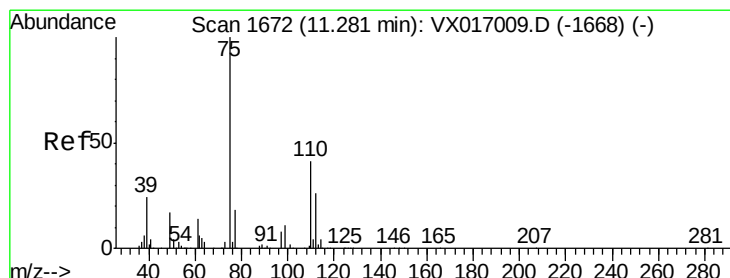
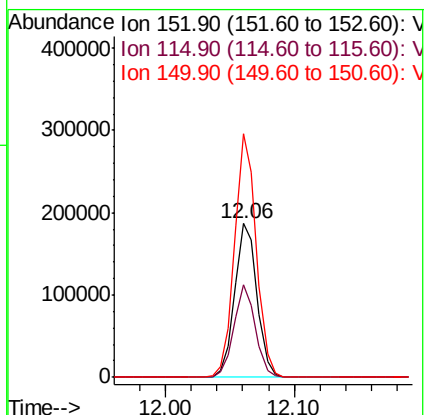
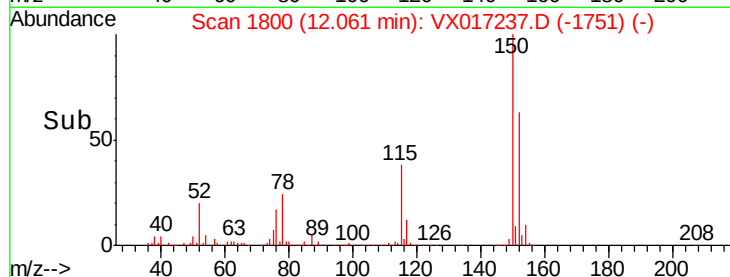
150 153.9 0.0 351.6



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: 22.507 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017237.D

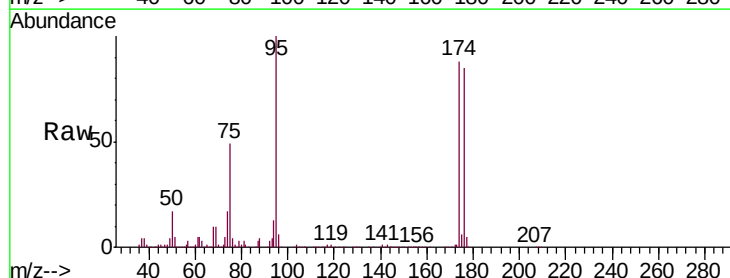
Acq: 08 Jul 2020 05:08

Tgt Ion: 75 Resp: 100221

Ion Ratio Lower Upper

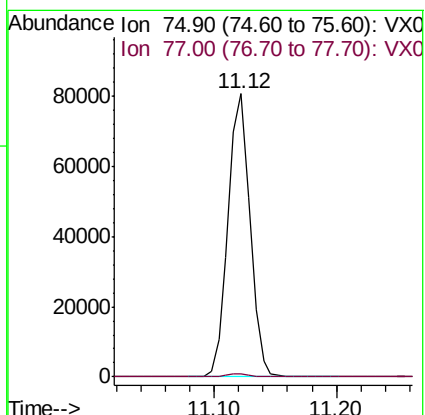
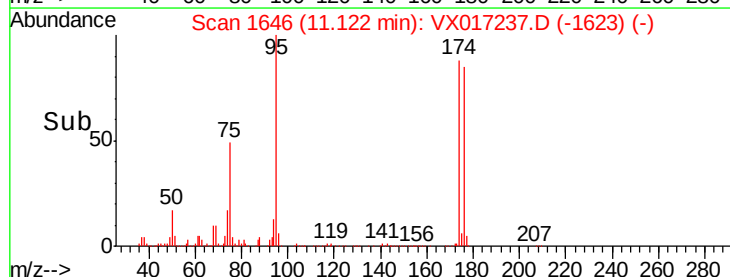
75 100

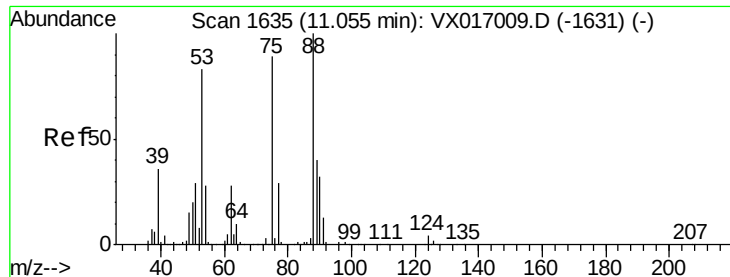
77 1.4 20.2 60.6#



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: 58.285 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017237.D

Acq: 08 Jul 2020 05:08

Instrument :

MSVOA_X

ClientSampleId :

1012-MW-19

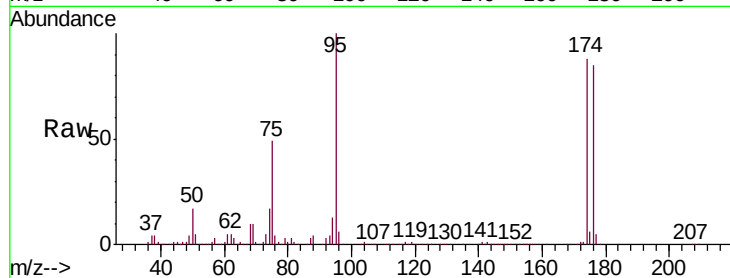
Tgt Ion: 75 Resp: 100221

Ion Ratio Lower Upper

75 100

53 0.4 72.4 108.6#

89 0.0 37.0 55.4#



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

