

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070720\
 Data File : VX017216.D
 Acq On : 07 Jul 2020 20:02
 Operator : JC/SP
 Sample : L3195-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20200630

Quant Time: Jul 08 01:55:42 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

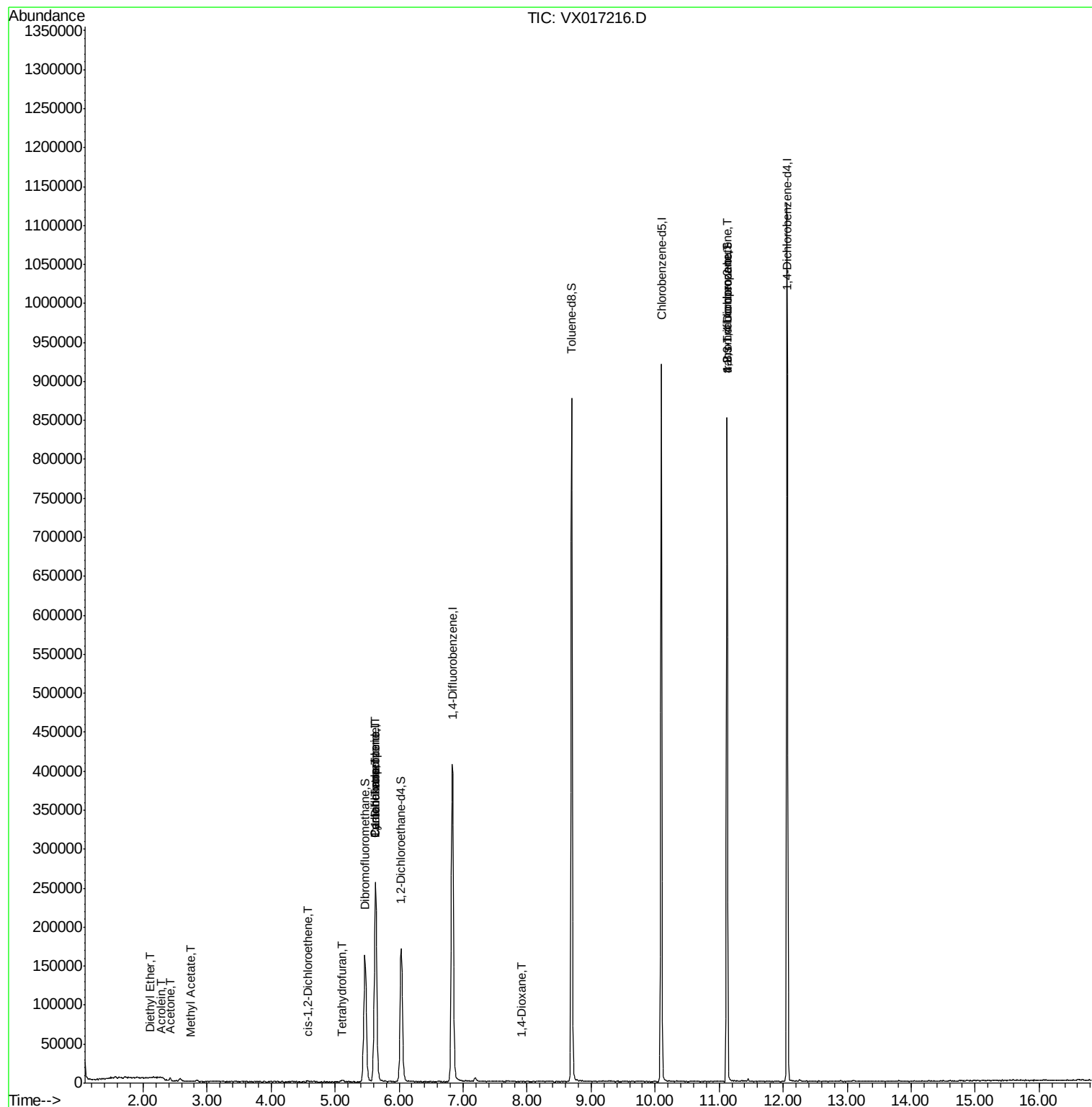
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	244268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	416868	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	431073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	228805	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	166405	55.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.52%	
35) Dibromofluoromethane	5.47	113	141529	53.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.34%	
50) Toluene-d8	8.70	98	506938	51.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	11.12	95	207966	54.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.12%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.11	74	177	0.498	ug/l	92
13) Acrolein	2.28	56	262	0.763	ug/l #	33
16) Acetone	2.42	43	4336	3.849	ug/l #	88
18) Methyl Acetate	2.75	43	667	0.227	ug/l #	51
20) Methylene Chloride	2.85	84	567	Below Cal	#	55
27) cis-1,2-Dichloroethene	4.56	96	950	0.313	ug/l	72
29) Tetrahydrofuran	5.10	42	965	0.778	ug/l #	48
31) Cyclohexane	5.63	56	4897	1.205	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17753	4.506	ug/l #	47
38) Carbon Tetrachloride	5.63	117	23855	5.497	ug/l #	16
49) 1,4-Dioxane	7.92	88	27	0.378	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	103742	23.057	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	103742	59.710	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	283	Below Cal	#	1

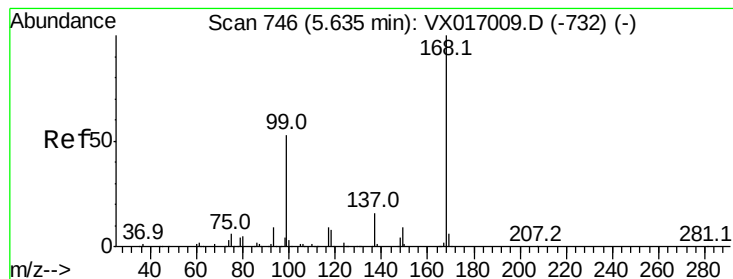
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017216.D

Acq: 07 Jul 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

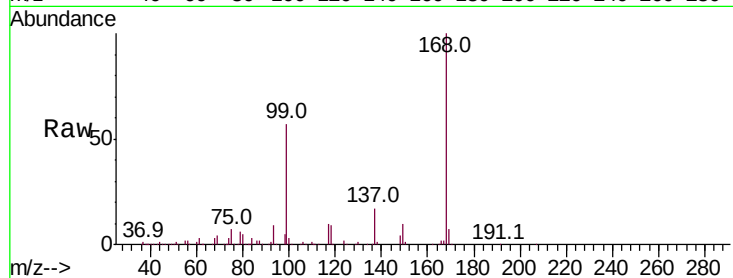
GR-OF-20200630

Tot Ion:168 Resp: 244268

Ion Ratio Lower Upper

168 100

99 57.4 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

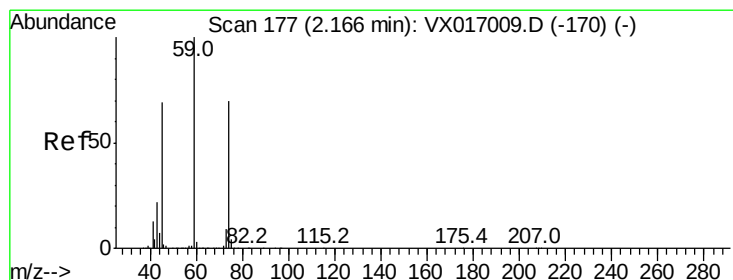
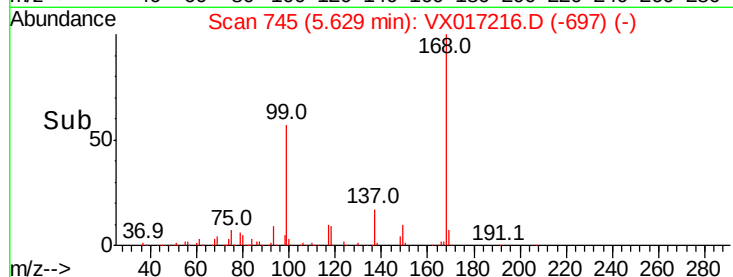
40000

20000

0

5.50 5.60 5.70

Time-->



#8

Diethyl Ether

Concen: 0.498 ug/l

RT: 2.11 min Scan# 167

Delta R.T. -0.06 min

Lab File: VX017216.D

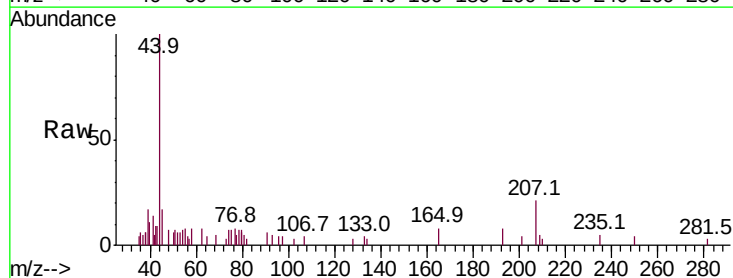
Acq: 07 Jul 2020 20:02

Tgt Ion: 74 Resp: 177

Ion Ratio Lower Upper

74 100

45 107.9 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.11

300

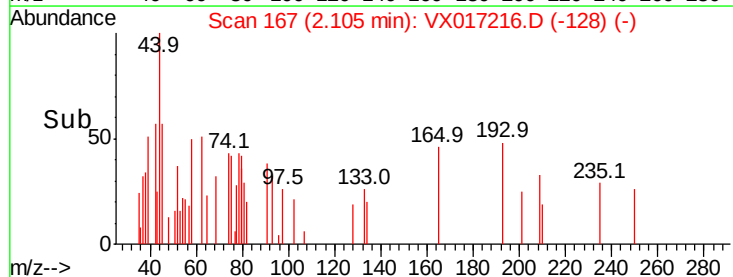
200

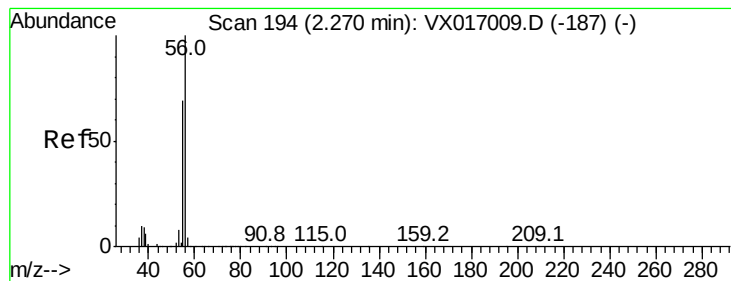
100

0

2.08 2.10 2.12 2.14

Time-->





#13

Acrolein

Concen: 0.763 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX017216.D

Acq: 07 Jul 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

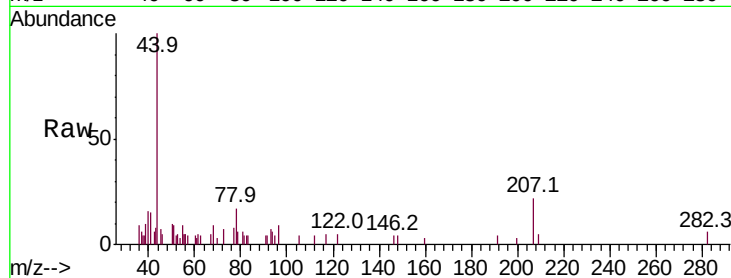
GR-OF-20200630

Tot Ion: 56 Resp: 262

Ion Ratio Lower Upper

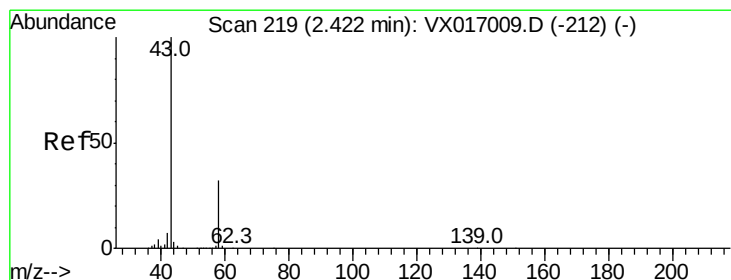
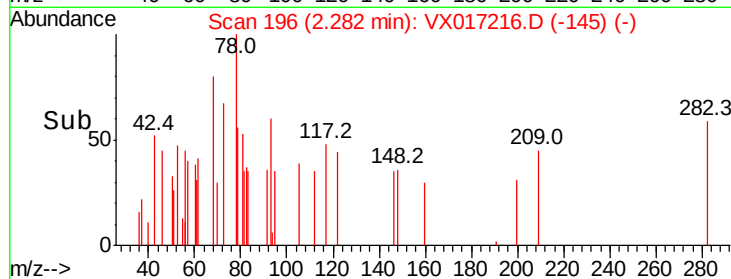
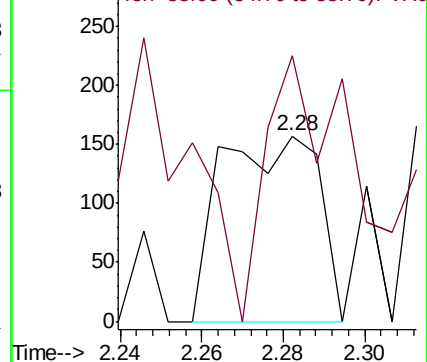
56 100

55 124.0 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.849 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017216.D

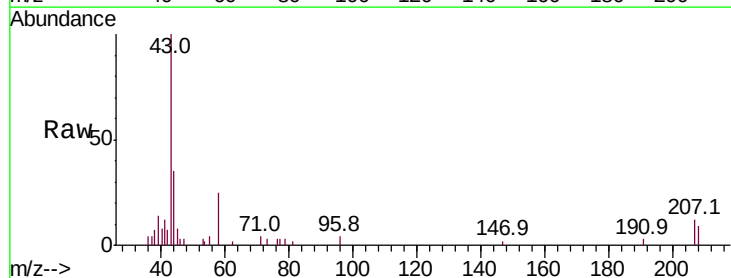
Acq: 07 Jul 2020 20:02

Tgt Ion: 43 Resp: 4336

Ion Ratio Lower Upper

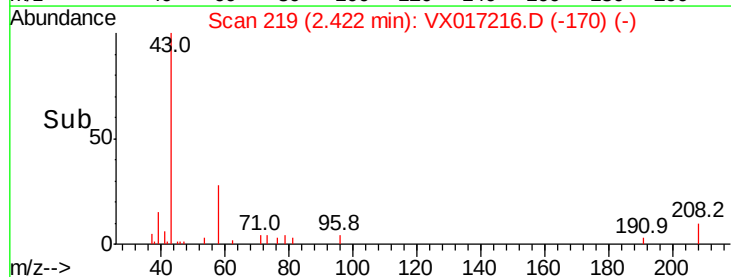
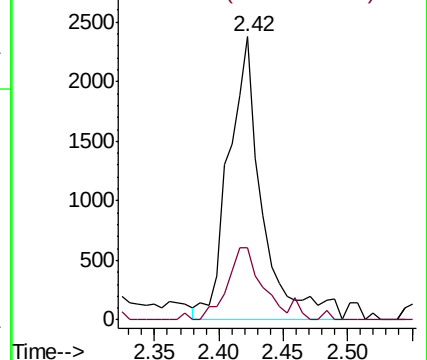
43 100

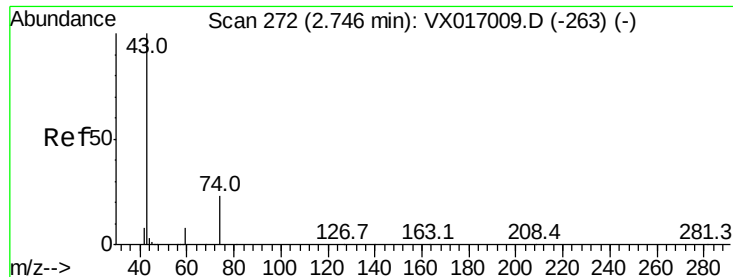
58 25.3 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

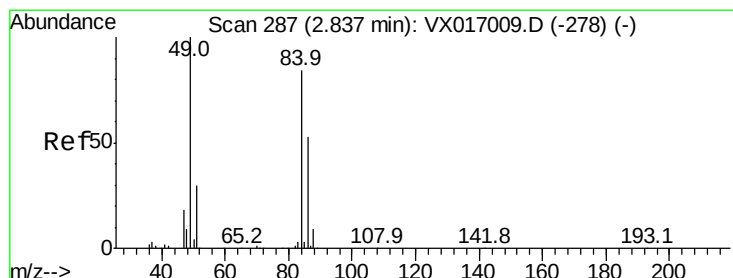
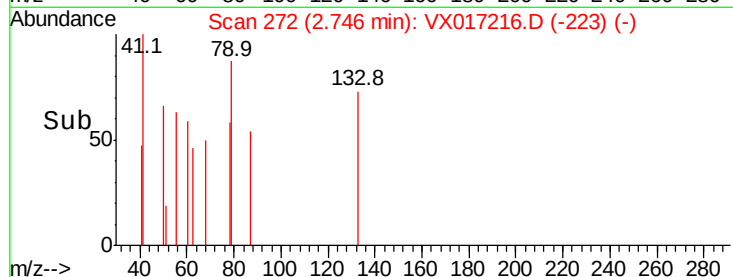
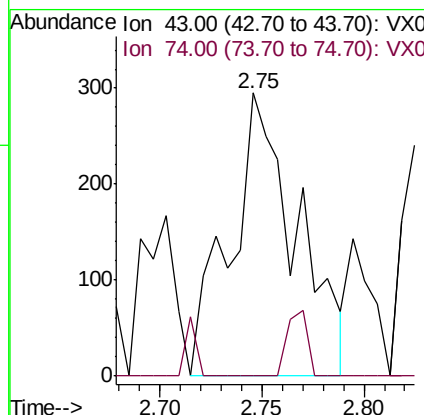
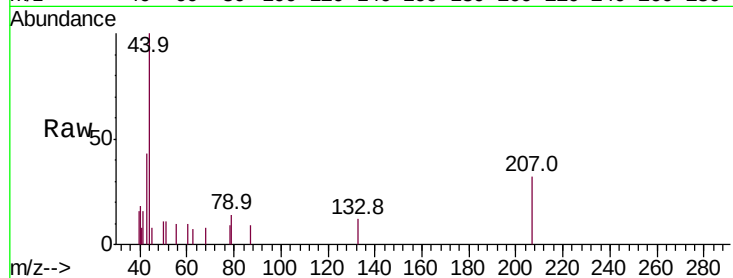




#18
Methyl Acetate
Concen: 0.227 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX017216.D
Acq: 07 Jul 2020 20:02

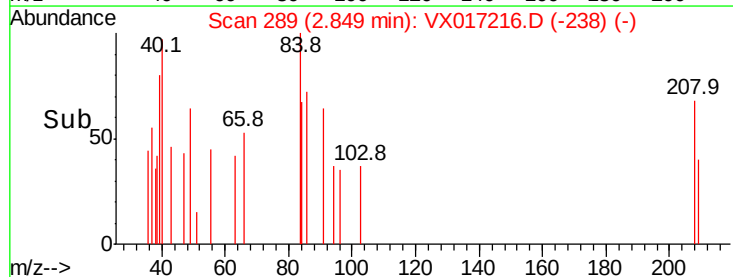
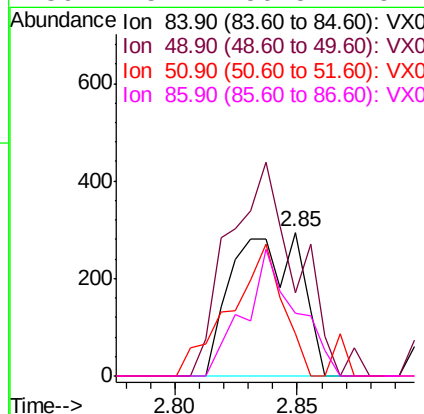
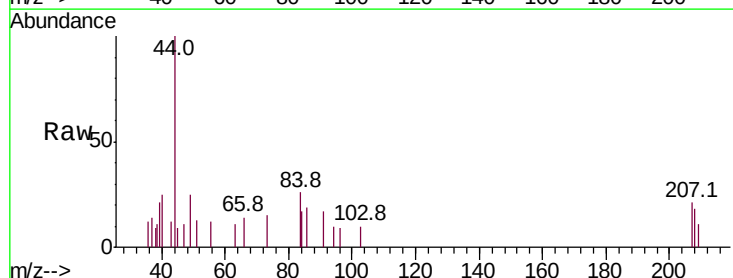
Instrument :
MSVOA_X
ClientSampled :
GR-OF-20200630

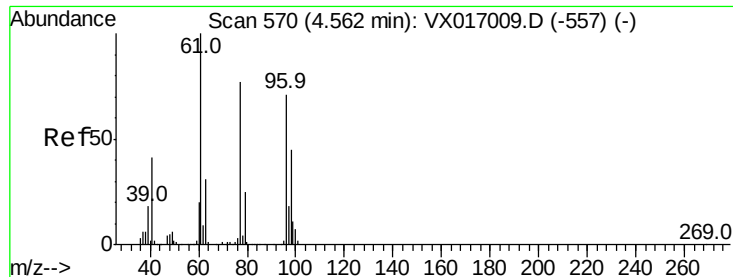
Tot Ion: 43 Resp: 667
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 289
Delta R.T. 0.01 min
Lab File: VX017216.D
Acq: 07 Jul 2020 20:02

Tgt Ion: 84 Resp: 567
Ion Ratio Lower Upper
84 100
49 57.6 94.7 142.1#
51 9.5 28.6 42.8#
86 43.4 50.5 75.7#





#27

cis-1,2-Dichloroethene

Concen: 0.313 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX017216.D

Acq: 07 Jul 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20200630

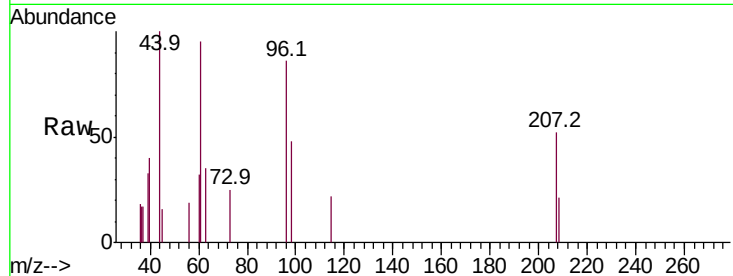
Tot Ion: 96 Resp: 950

Ion Ratio Lower Upper

96 100

61 105.2 0.0 282.8

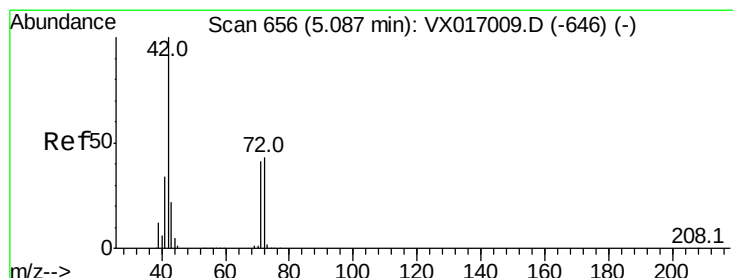
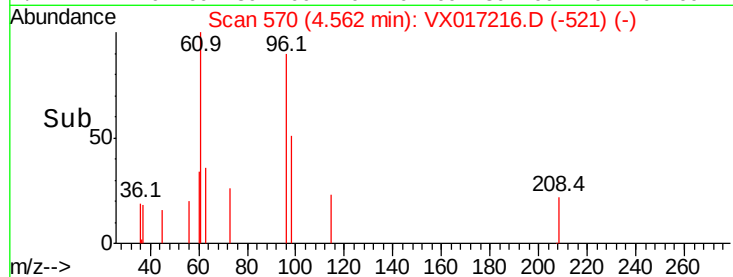
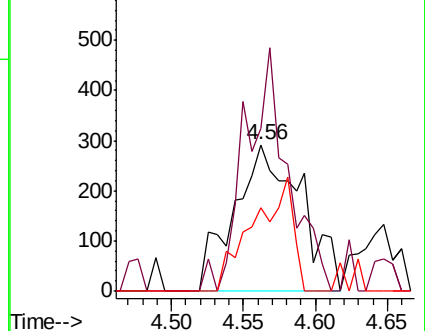
98 45.5 0.0 127.6



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: 0.778 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX017216.D

Acq: 07 Jul 2020 20:02

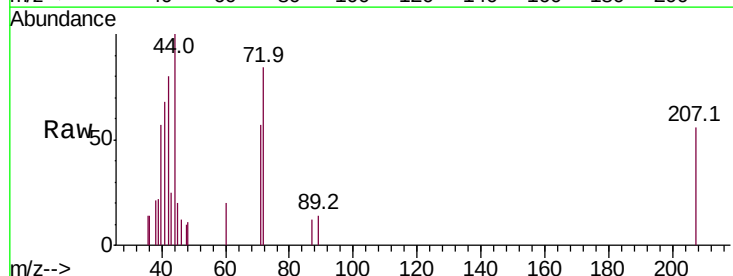
Tgt Ion: 42 Resp: 965

Ion Ratio Lower Upper

42 100

72 78.9 35.3 52.9#

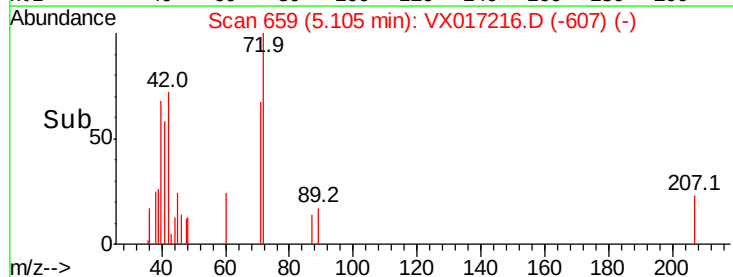
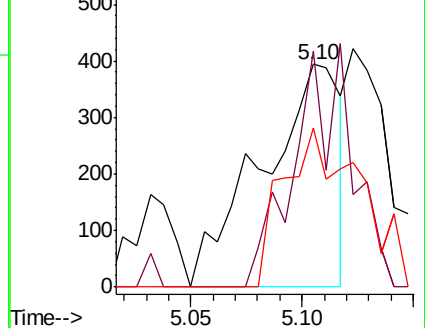
71 73.1 33.1 49.7#

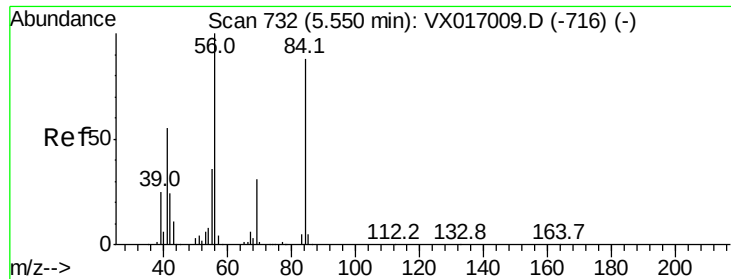


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

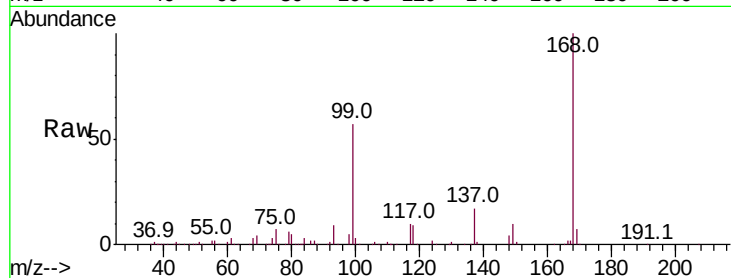




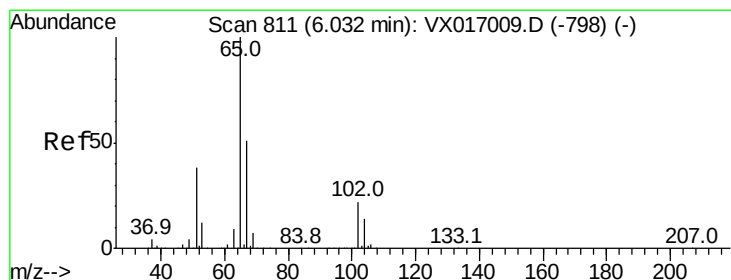
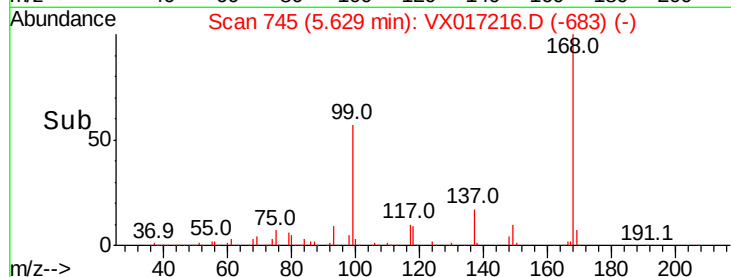
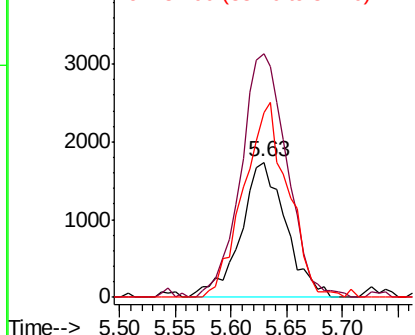
#31
Cyclohexane
Concen: 1.205 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017216.D
Acq: 07 Jul 2020 20:02

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20200630

Tot Ion: 56 Resp: 4897
Ion Ratio Lower Upper
56 100
69 180.5 25.0 37.4#
84 136.8 69.1 103.7#

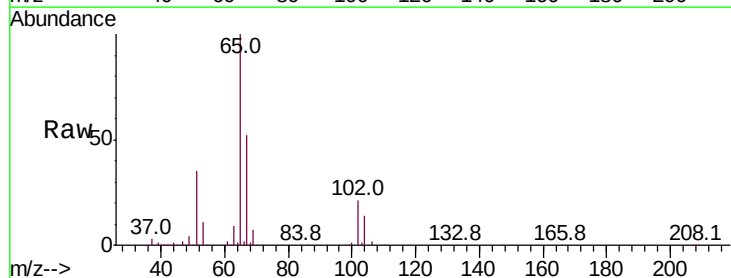


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

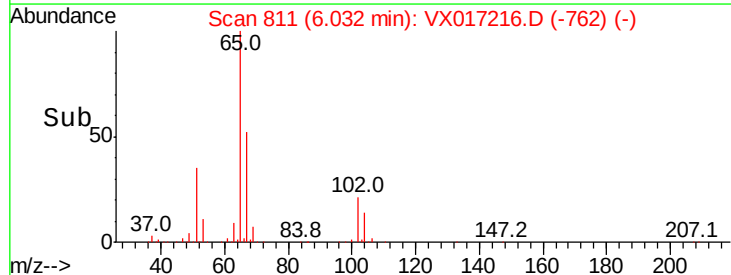
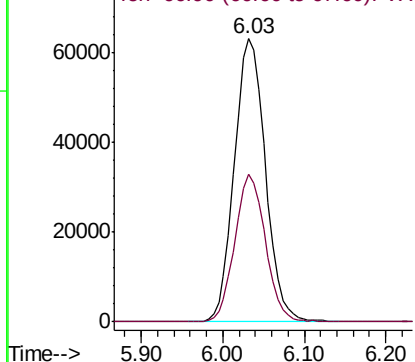


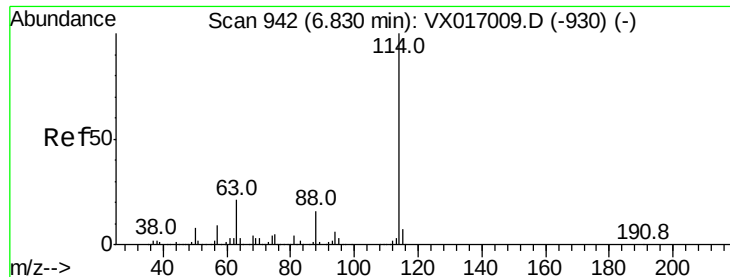
#33
1,2-Dichloroethane-d4
Concen: 55.260 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX017216.D
Acq: 07 Jul 2020 20:02

Tgt Ion: 65 Resp: 166405
Ion Ratio Lower Upper
65 100
67 51.3 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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017216.D

Acq: 07 Jul 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20200630

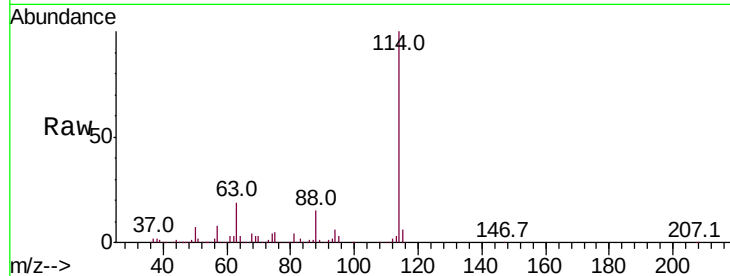
Tot Ion:114 Resp: 416868

Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.4

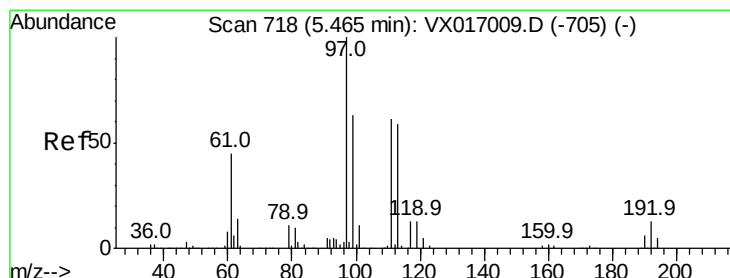
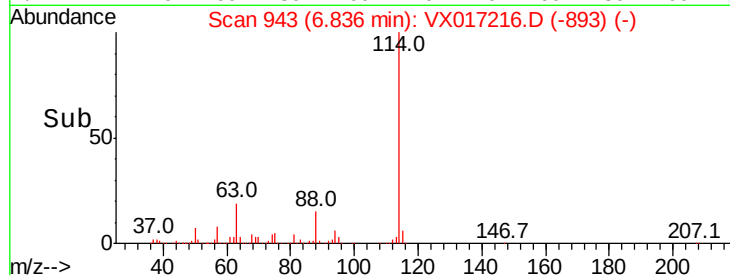
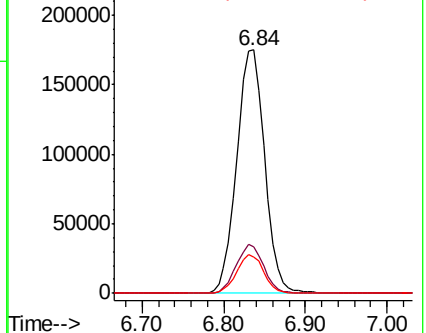
88 14.8 0.0 32.4



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: 53.671 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017216.D

Acq: 07 Jul 2020 20:02

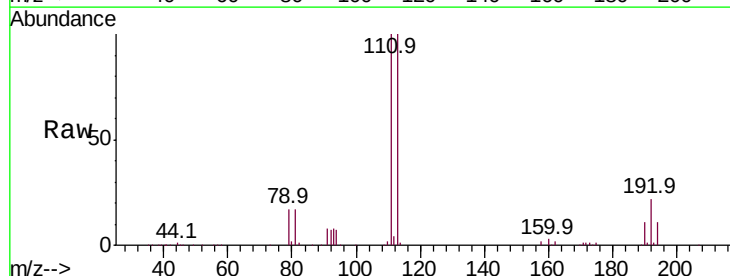
Tgt Ion:113 Resp: 141529

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

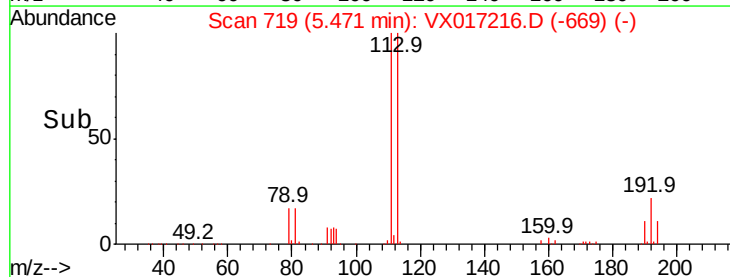
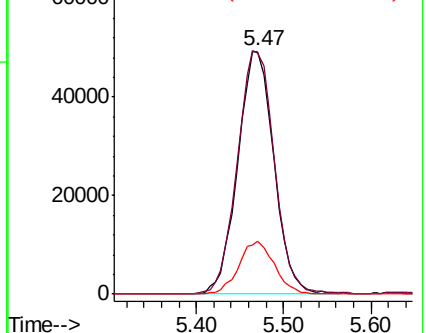
192 21.5 16.7 25.1

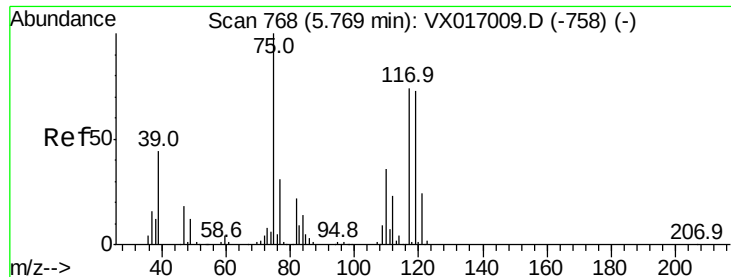


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.506 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017216.D

Acq: 07 Jul 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20200630

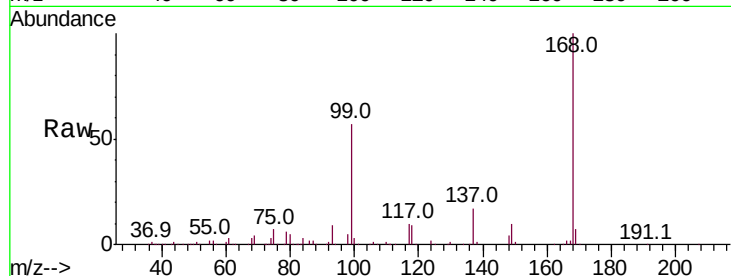
Tot Ion: 75 Resp: 17753

Ion Ratio Lower Upper

75 100

110 6.0 18.1 54.1#

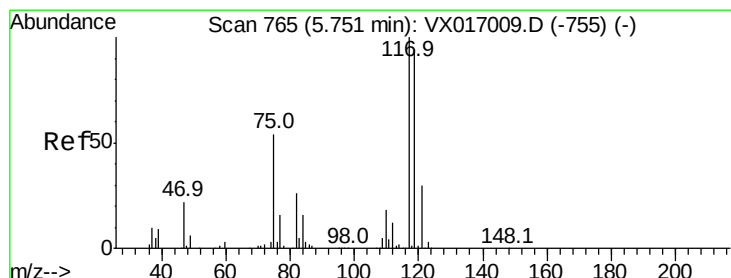
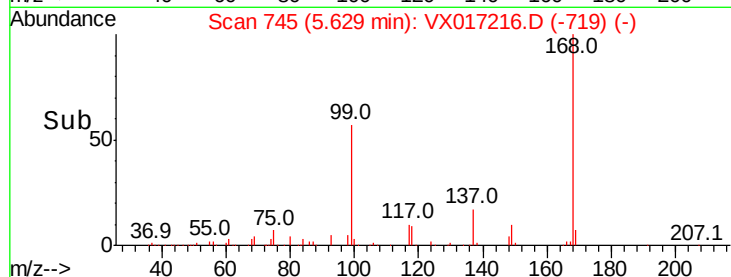
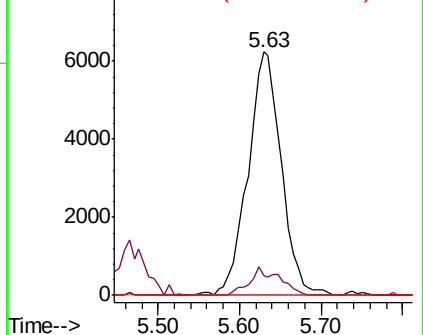
77 0.0 24.6 37.0#



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: 5.497 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017216.D

Acq: 07 Jul 2020 20:02

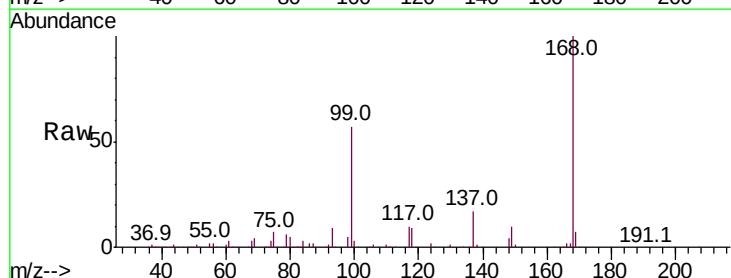
Tgt Ion:117 Resp: 23855

Ion Ratio Lower Upper

117 100

119 4.3 75.4 113.0#

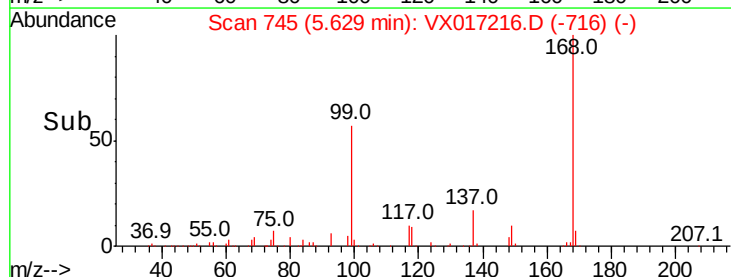
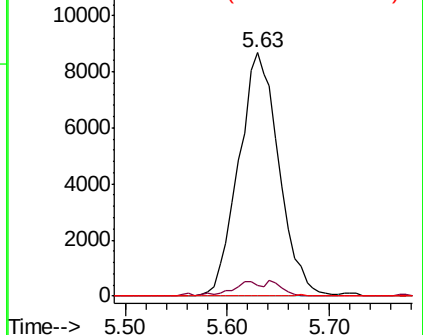
121 0.0 23.8 35.6#

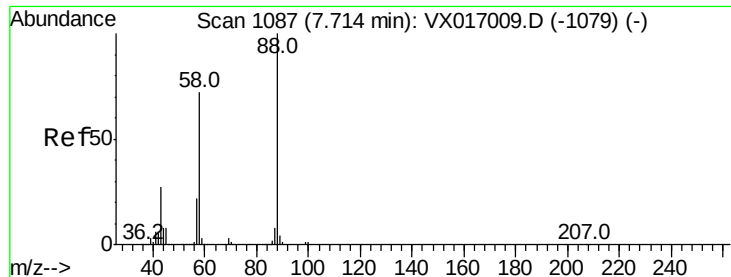


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.378 ug/l

RT: 7.92 min Scan# 1121

Delta R.T. 0.21 min

Lab File: VX017216.D

Acq: 07 Jul 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20200630

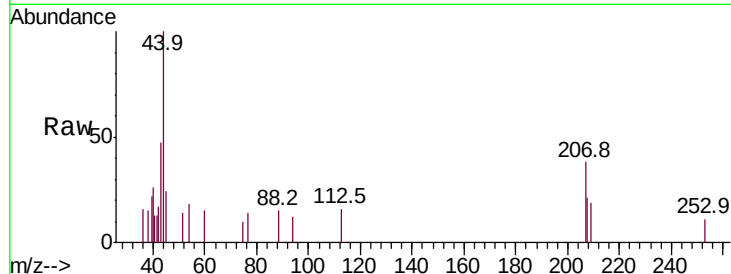
Tot Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 1000.0 25.8 38.8#

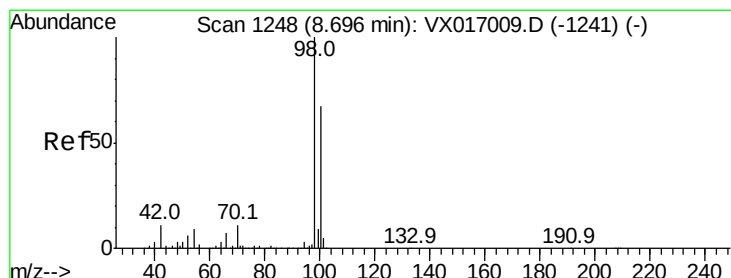
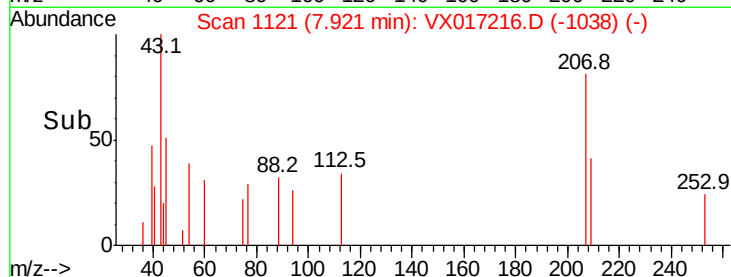
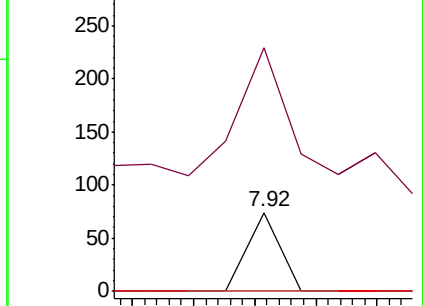
58 0.0 54.8 82.2#



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: 51.988 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017216.D

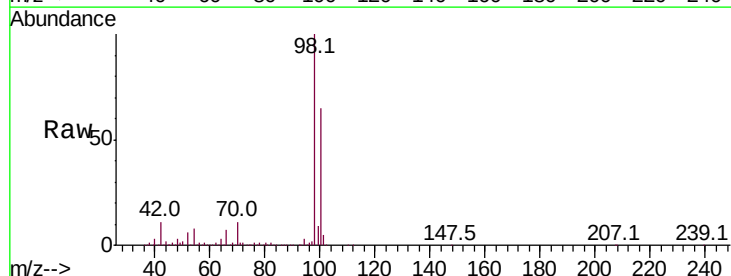
Acq: 07 Jul 2020 20:02

Tgt Ion: 98 Resp: 506938

Ion Ratio Lower Upper

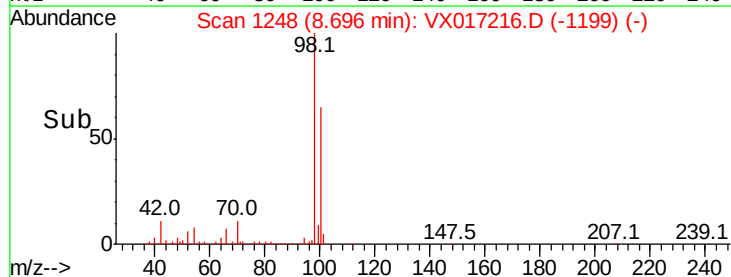
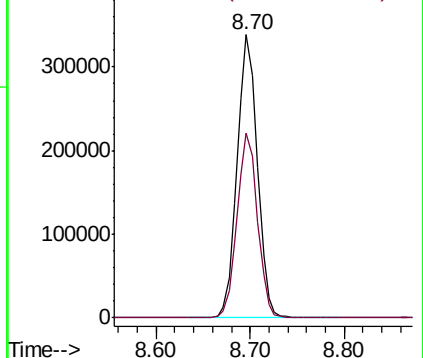
98 100

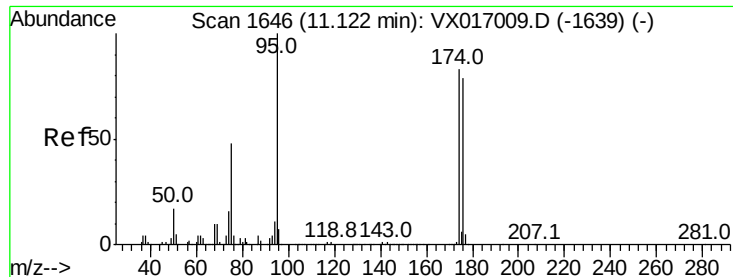
100 65.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 54.559 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017216.D

Acq: 07 Jul 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20200630

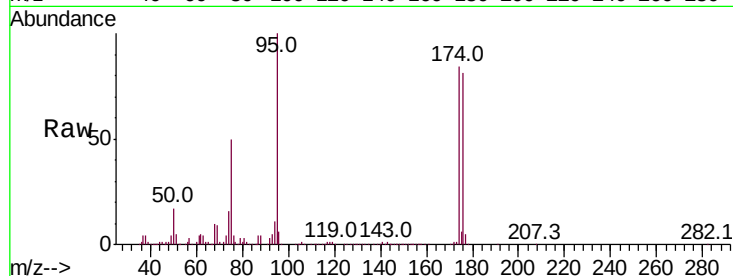
Tot Ion: 95 Resp: 207966

Ion Ratio Lower Upper

95 100

174 83.7 0.0 164.0

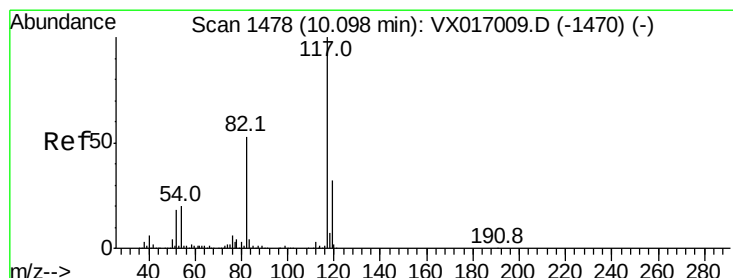
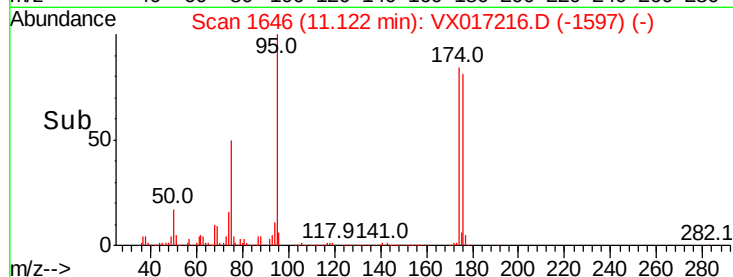
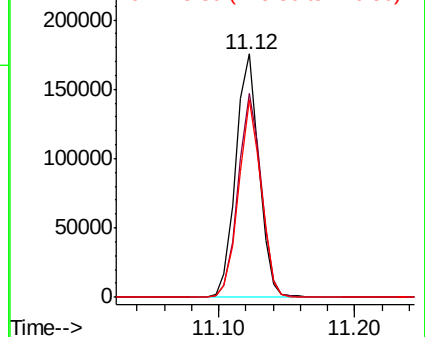
176 79.6 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX017216.D

Acq: 07 Jul 2020 20:02

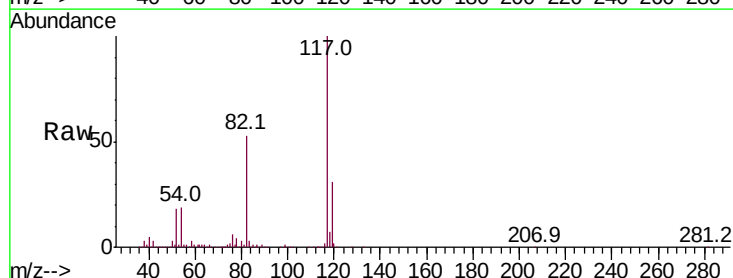
Tgt Ion: 117 Resp: 431073

Ion Ratio Lower Upper

117 100

82 52.6 42.6 63.8

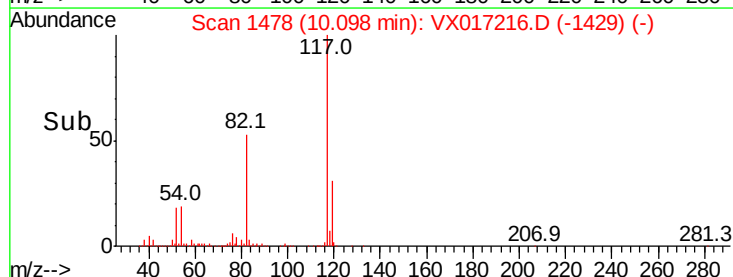
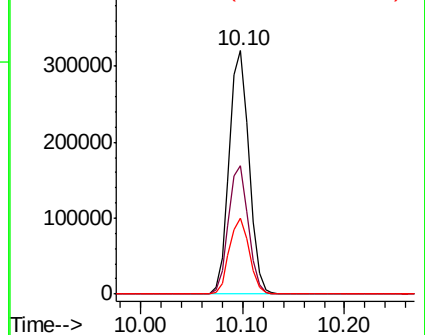
119 31.2 25.4 38.2

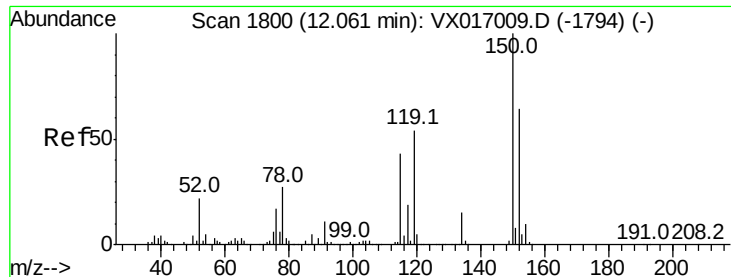


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017216.D

Acq: 07 Jul 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20200630

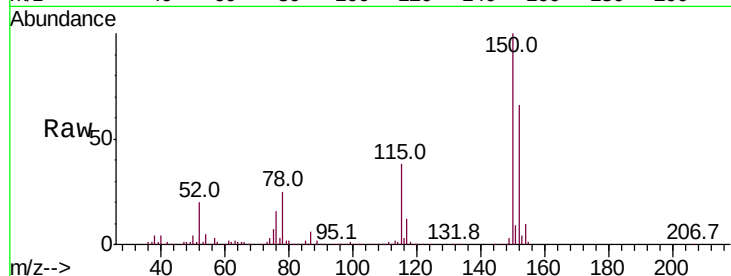
Tot Ion:152 Resp: 228805

Ion Ratio Lower Upper

152 100

115 56.8 40.9 122.7

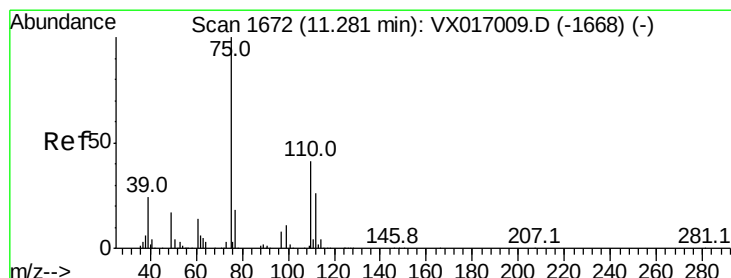
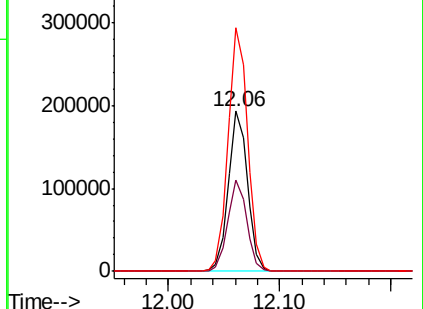
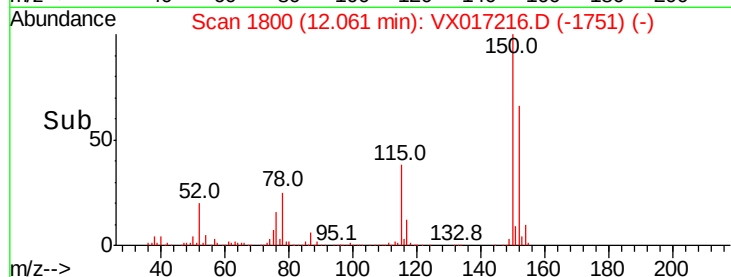
150 155.0 0.0 351.6



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: 23.057 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017216.D

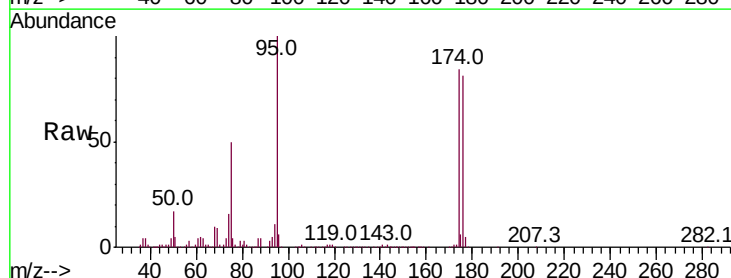
Acq: 07 Jul 2020 20:02

Tgt Ion: 75 Resp: 103742

Ion Ratio Lower Upper

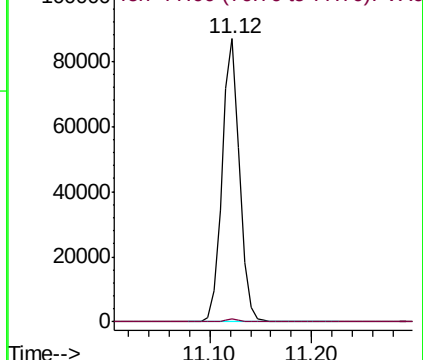
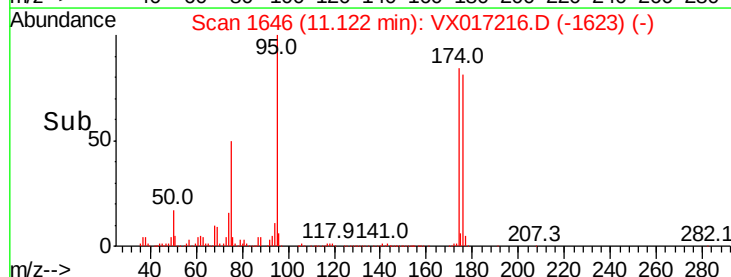
75 100

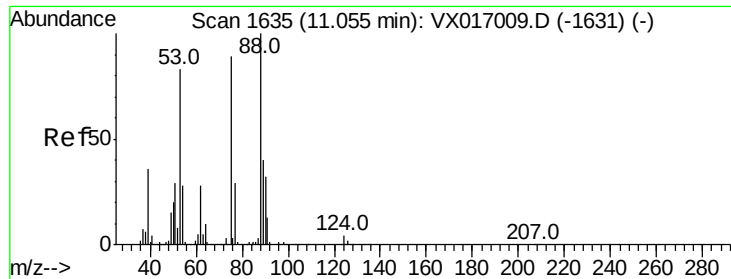
77 1.2 20.2 60.6#



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: 59.710 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX017216.D
 Acq: 07 Jul 2020 20:02

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20200630

Tot Ion: 75 Resp: 103742
 Ion Ratio Lower Upper
 75 100
 53 0.3 72.4 108.6#
 89 0.0 37.0 55.4#

