

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070820\
 Data File : VX017255.D
 Acq On : 08 Jul 2020 15:07
 Operator : JC/SP
 Sample : L3207-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31063

Quant Time: Jul 08 15:46:24 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	245781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	416819	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	428616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222058	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	164563	54.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.62%	
35) Dibromofluoromethane	5.47	113	142023	53.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.72%	
50) Toluene-d8	8.70	98	508390	52.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	11.12	95	207710	54.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.00%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.23	74	133	0.465	ug/l	61
11) Tert butyl alcohol	3.00	59	1387	2.400	ug/l #	80
13) Acrolein	2.27	56	265	0.767	ug/l #	1
16) Acetone	2.42	43	11588	10.223	ug/l	97
20) Methylene Chloride	2.84	84	2032	Below Cal		95
25) 2-Butanone	4.65	43	1082	0.573	ug/l	97
31) Cyclohexane	5.64	56	5001	1.223	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	17891	4.542	ug/l #	41
38) Carbon Tetrachloride	5.63	117	24904	5.740	ug/l #	18
44) Trichloroethene	7.18	130	219	Below Cal		69
49) 1,4-Dioxane	7.83	88	46	0.643	ug/l #	24
76) 1,2,3-Trichloropropane	11.12	75	102983	23.584	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	102983	61.074	ug/l #	13
88) 1,4-Dichlorobenzene	12.09	146	502	Below Cal	#	25
94) Hexachlorobutadiene	13.76	225	87	0.893	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

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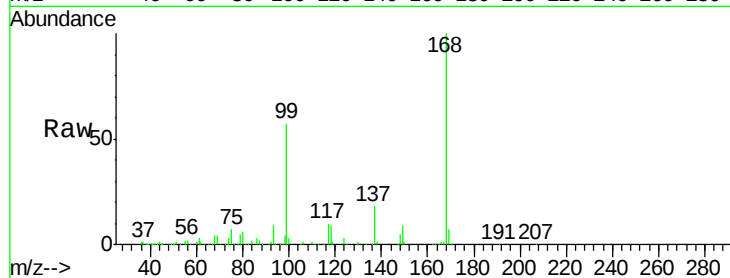
31063

Tgt Ion:168 Resp: 245781

Ion Ratio Lower Upper

168 100

99 57.3 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

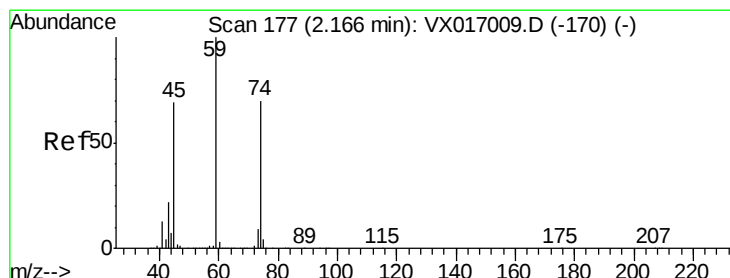
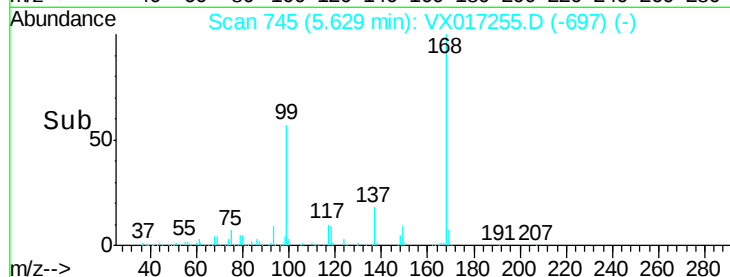
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 0.465 ug/l

RT: 2.23 min Scan# 188

Delta R.T. 0.07 min

Lab File: VX017255.D

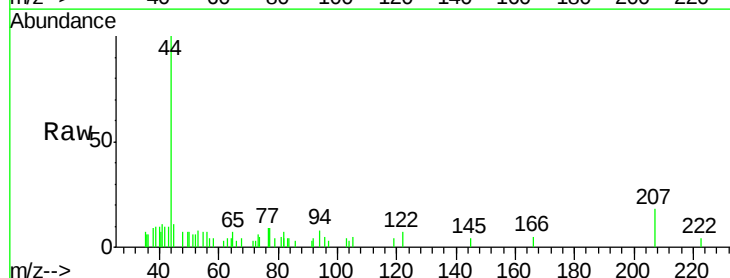
Acq: 08 Jul 2020 15:07

Tgt Ion: 74 Resp: 133

Ion Ratio Lower Upper

74 100

45 60.2 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

400

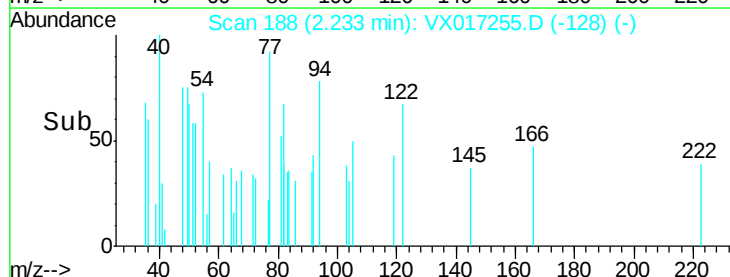
300

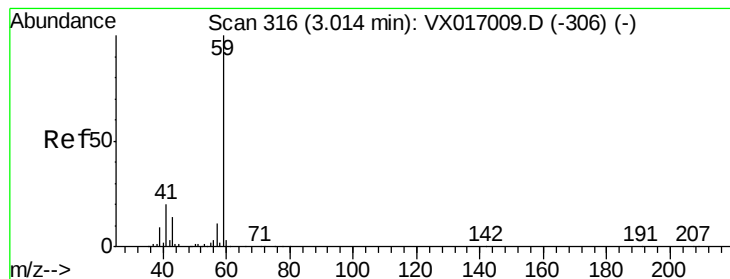
200

100

0

Time-->



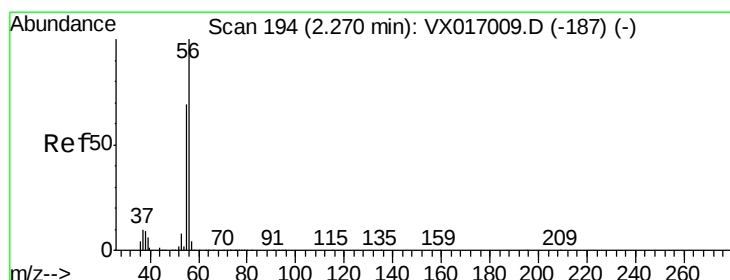
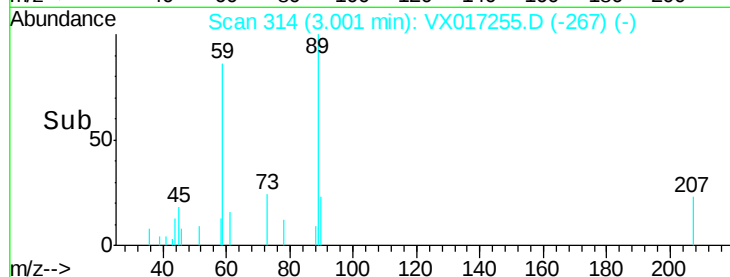
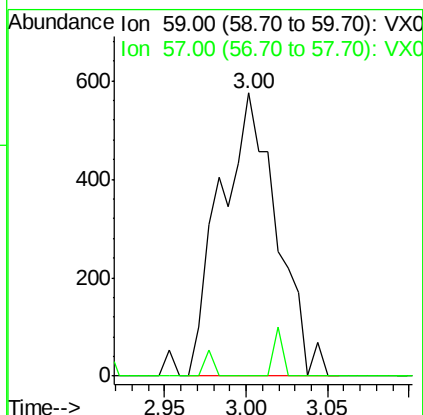
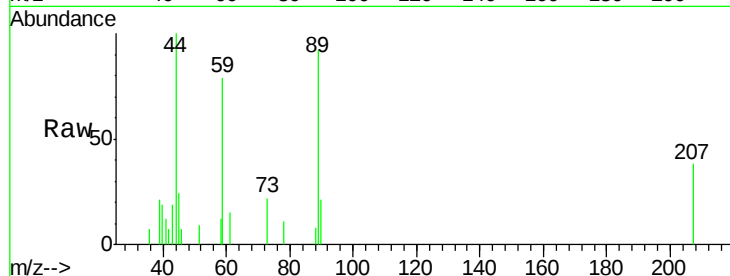


#11

Tert butyl alcohol
Concen: 2.400 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX017255.D
Acq: 08 Jul 2020 15:07

Instrument :
MSVOA_X
ClientSampleId :
31063

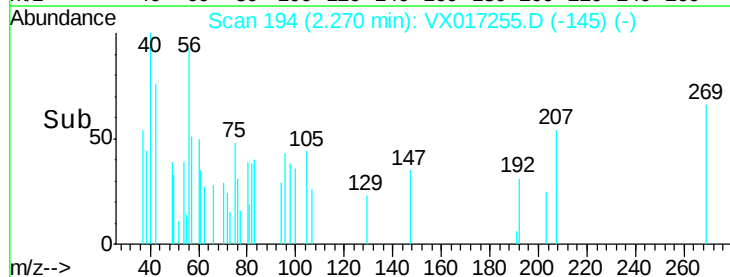
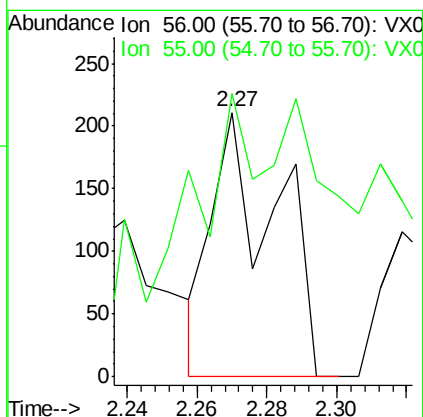
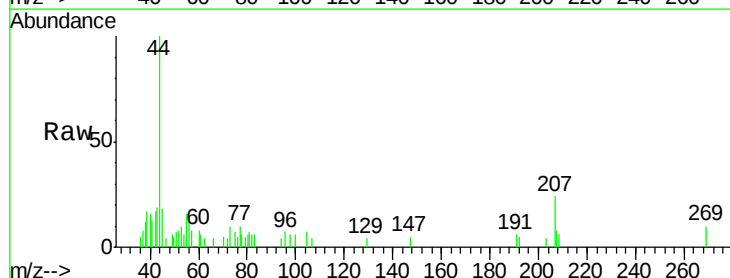
Tgt Ion: 59 Resp: 1387
Ion Ratio Lower Upper
59 100
57 2.7 8.2 12.2#

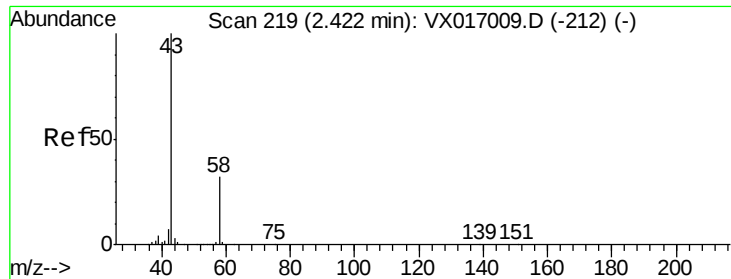


#13

Acrolein
Concen: 0.767 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX017255.D
Acq: 08 Jul 2020 15:07

Tgt Ion: 56 Resp: 265
Ion Ratio Lower Upper
56 100
55 154.3 55.7 83.5#





#16

Acetone

Concen: 10.223 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017255.D

Acq: 08 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

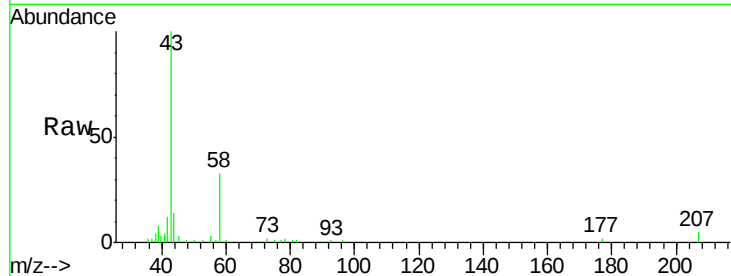
31063

Tgt Ion: 43 Resp: 11588

Ion Ratio Lower Upper

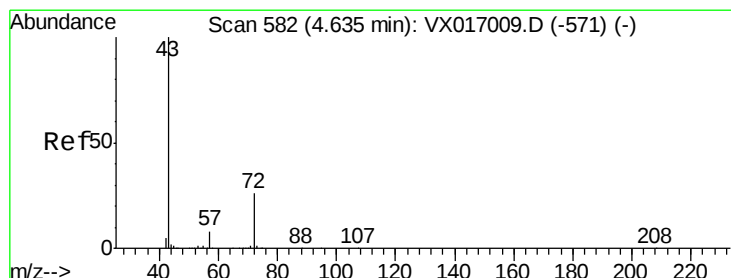
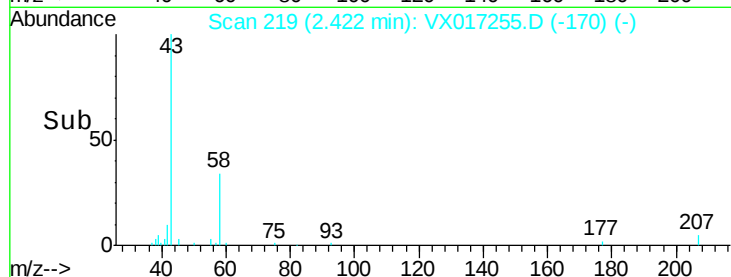
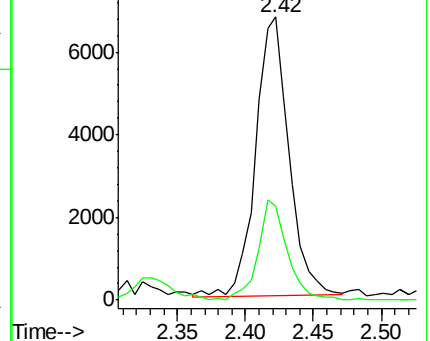
43 100

58 33.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.573 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017255.D

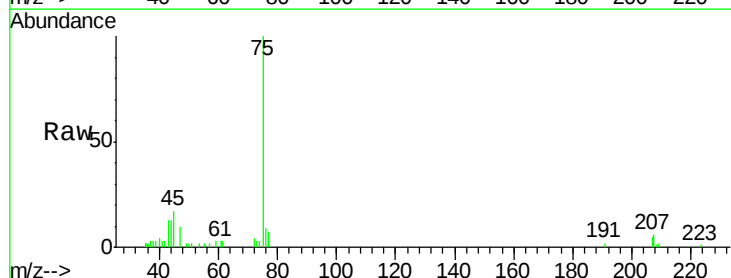
Acq: 08 Jul 2020 15:07

Tgt Ion: 43 Resp: 1082

Ion Ratio Lower Upper

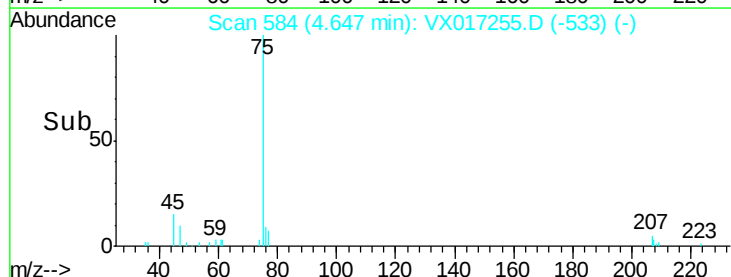
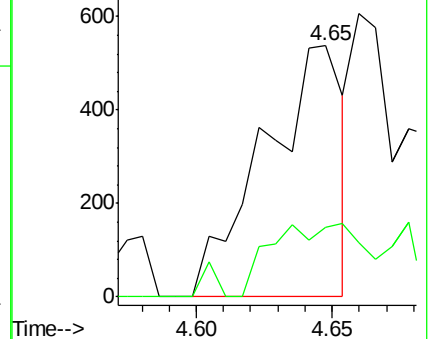
43 100

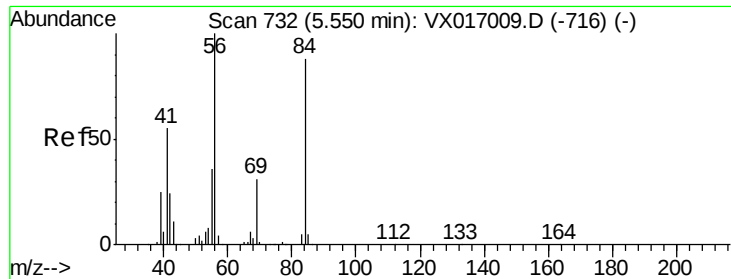
72 27.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

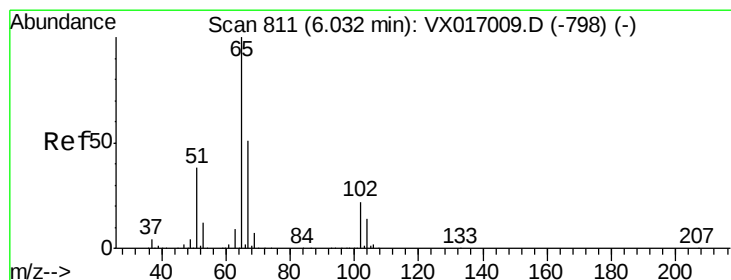
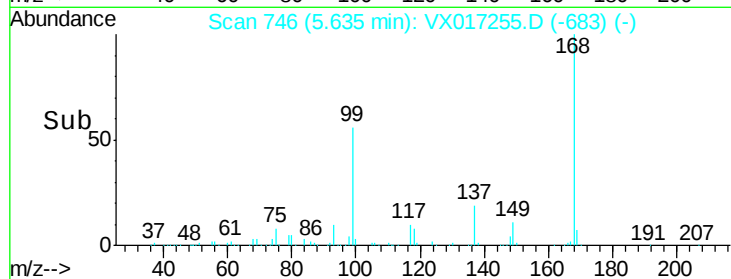
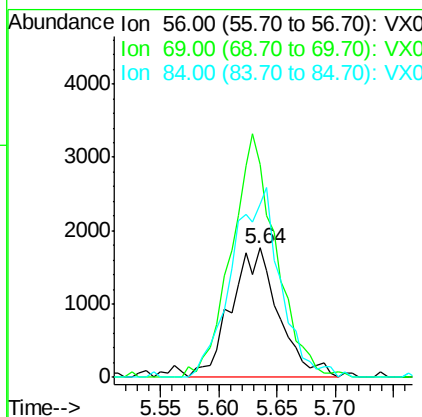
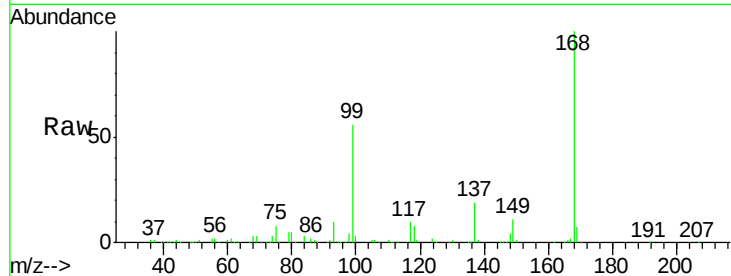




#31
Cyclohexane
Concen: 1.223 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX017255.D
Acq: 08 Jul 2020 15:07

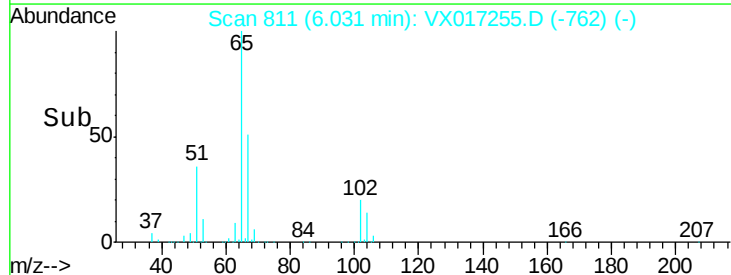
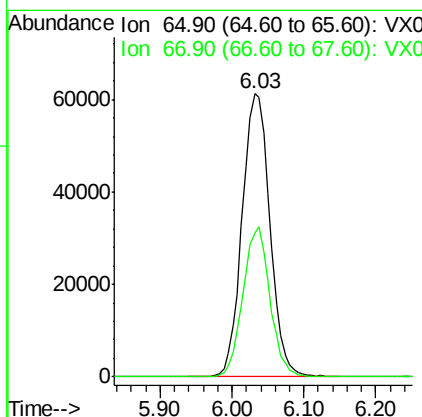
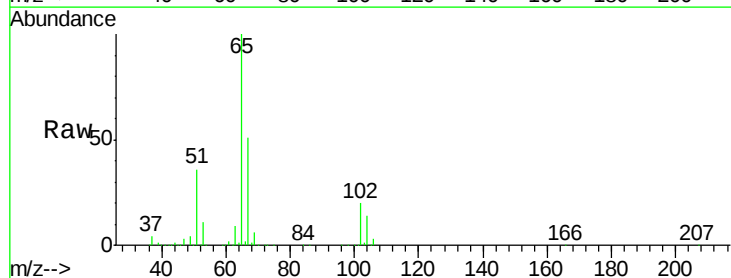
Instrument :
MSVOA_X
ClientSampled :
31063

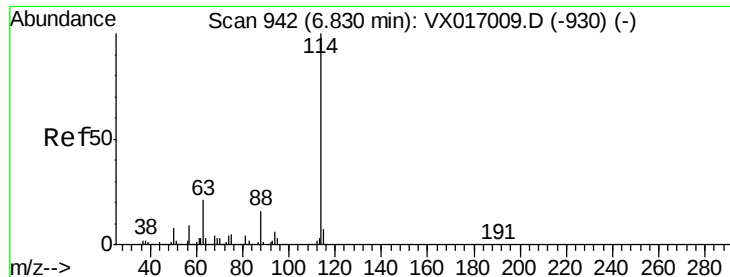
Tgt Ion: 56 Resp: 5001
Ion Ratio Lower Upper
56 100
69 161.3 25.0 37.4#
84 134.1 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 54.311 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017255.D
Acq: 08 Jul 2020 15:07

Tgt Ion: 65 Resp: 164563
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017255.D

Acq: 08 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

31063

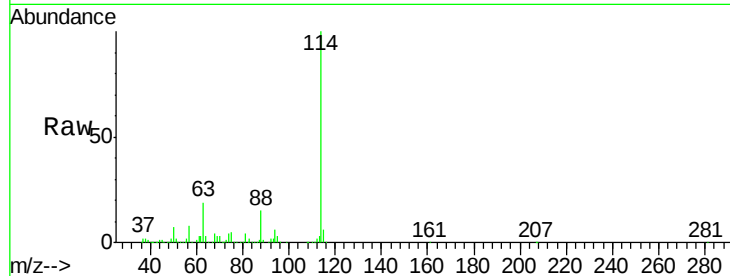
Tgt Ion:114 Resp: 416819

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

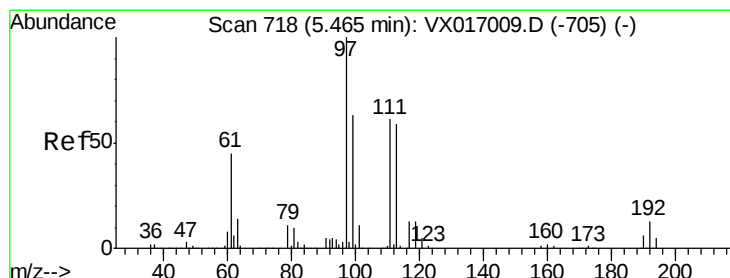
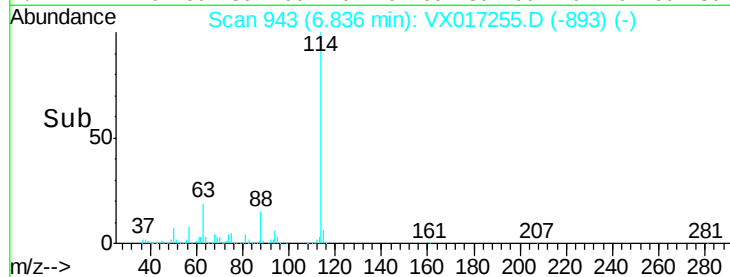
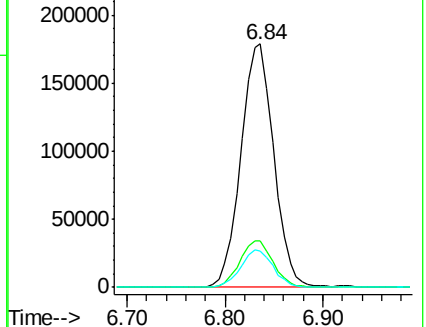
88 15.1 0.0 32.4



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: 53.865 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017255.D

Acq: 08 Jul 2020 15:07

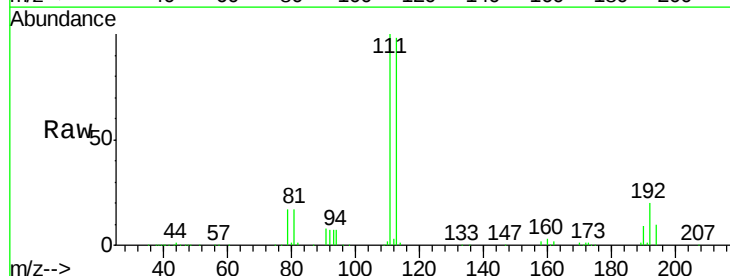
Tgt Ion:113 Resp: 142023

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

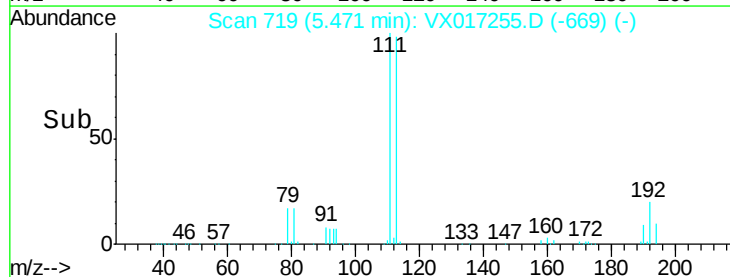
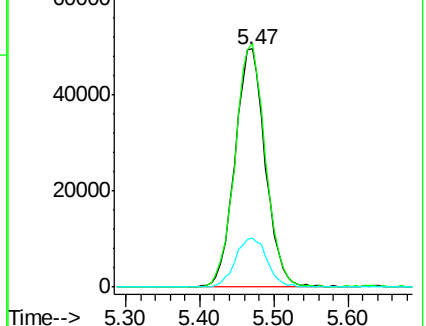
192 21.6 16.7 25.1

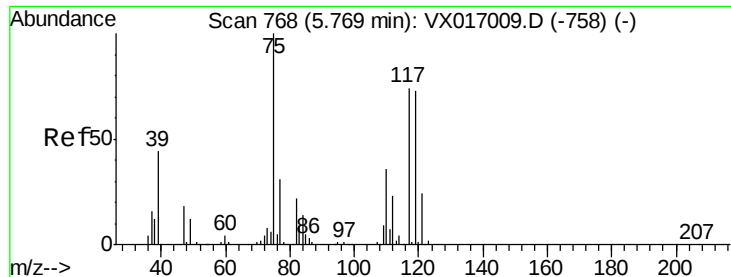


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

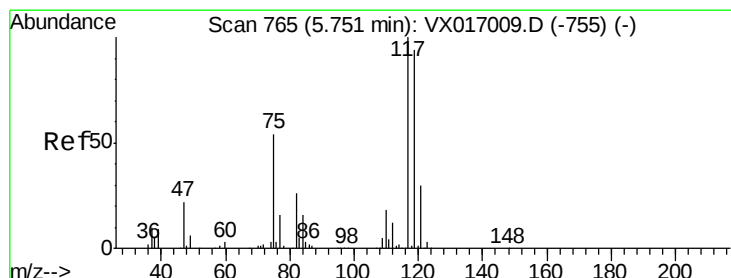
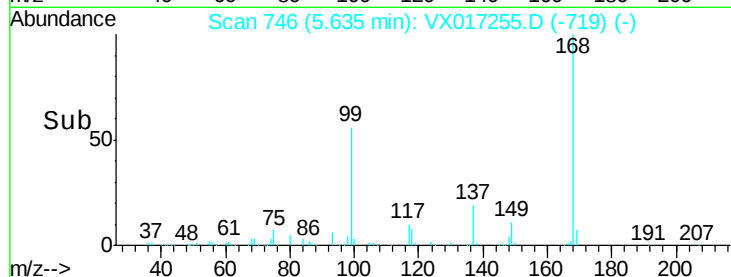
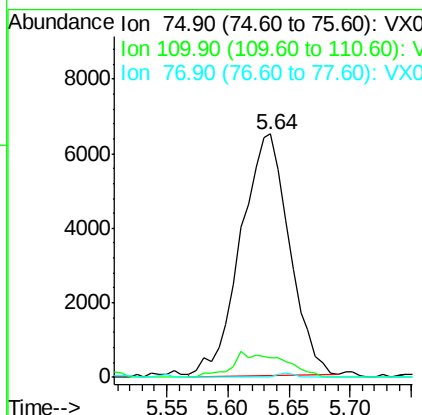
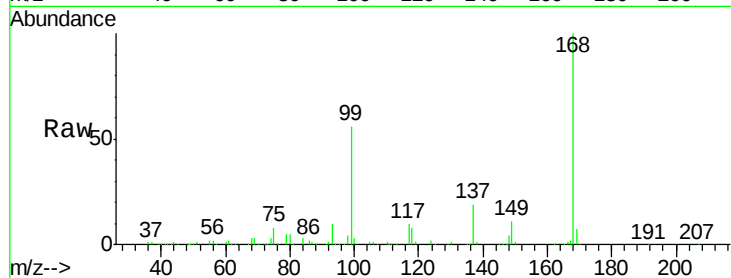




#36
 1,1-Dichloropropene
 Concen: 4.542 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017255.D
 Acq: 08 Jul 2020 15:07

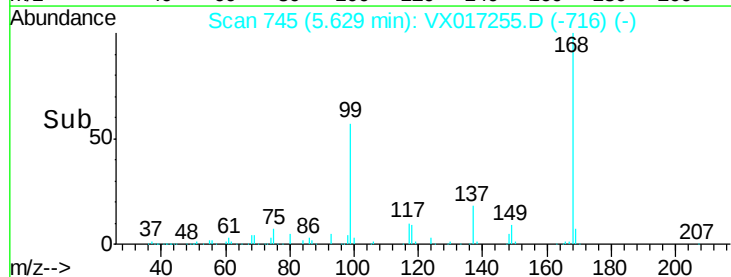
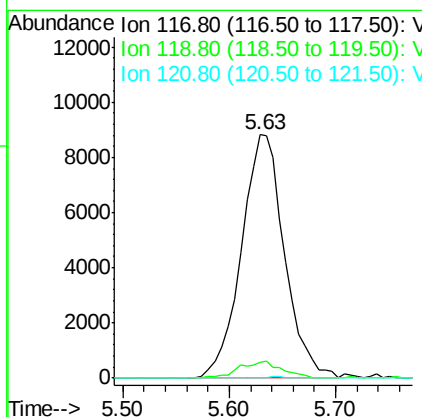
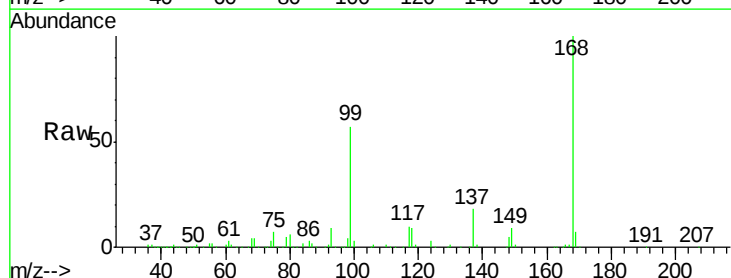
Instrument :
 MSVOA_X
 ClientSampleId :
 31063

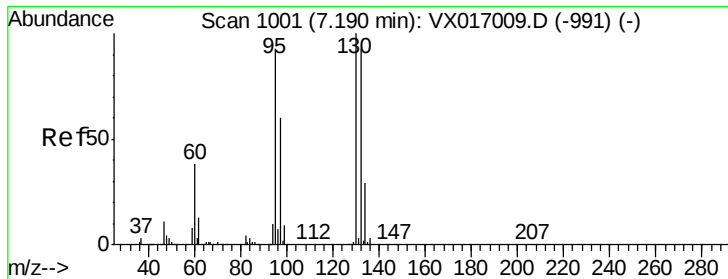
Tgt Ion: 75 Resp: 17891
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.1 54.1#
 77 0.5 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.740 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017255.D
 Acq: 08 Jul 2020 15:07

Tgt Ion: 117 Resp: 24904
 Ion Ratio Lower Upper
 117 100
 119 6.5 75.4 113.0#
 121 0.0 23.8 35.6#





#44

Trichloroethene

Concen: Below Cal

RT: 7.18 min Scan# 999

Delta R.T. -0.01 min

Lab File: VX017255.D

Acq: 08 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

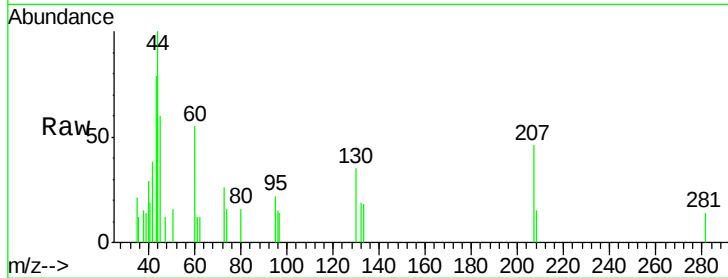
31063

Tgt Ion: 130 Resp: 219

Ion Ratio Lower Upper

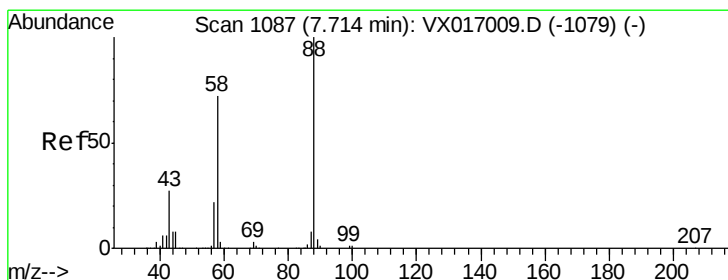
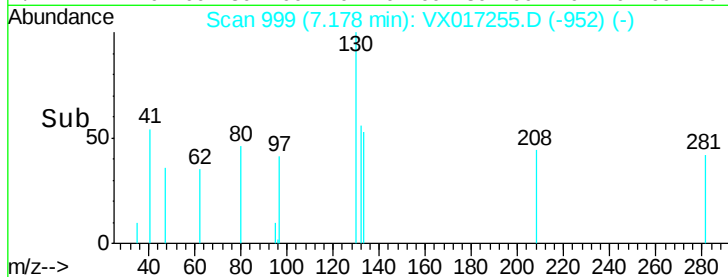
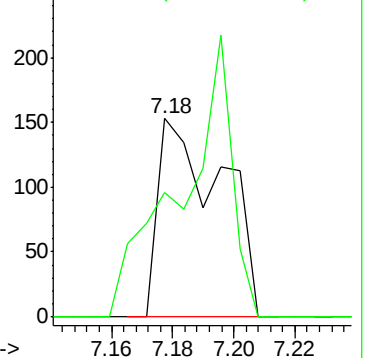
130 100

95 62.7 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: 0.643 ug/l

RT: 7.83 min Scan# 1106

Delta R.T. 0.12 min

Lab File: VX017255.D

Acq: 08 Jul 2020 15:07

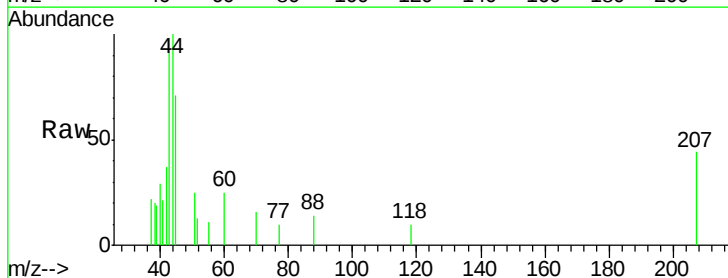
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.8#

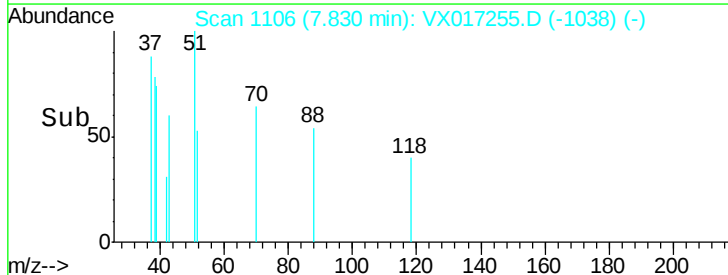
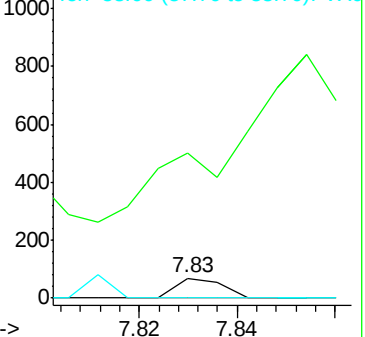
58 0.0 54.8 82.2#

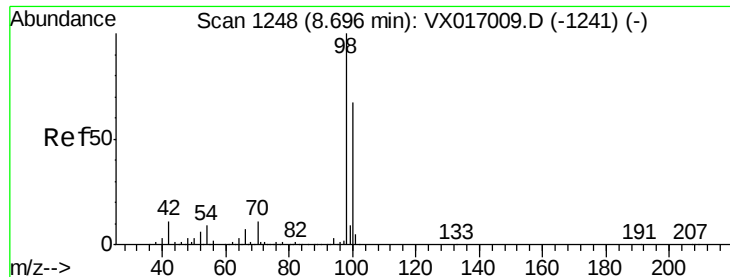


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.143 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017255.D

Acq: 08 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

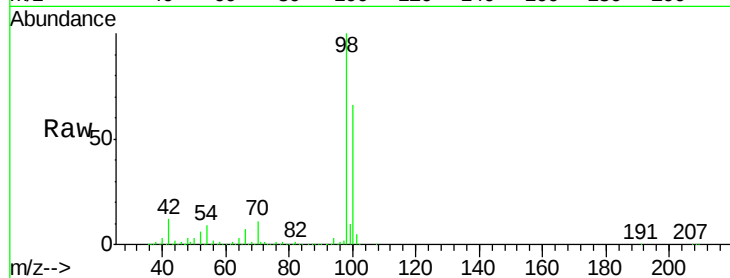
31063

Tgt Ion: 98 Resp: 508390

Ion Ratio Lower Upper

98 100

100 66.1 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

300000

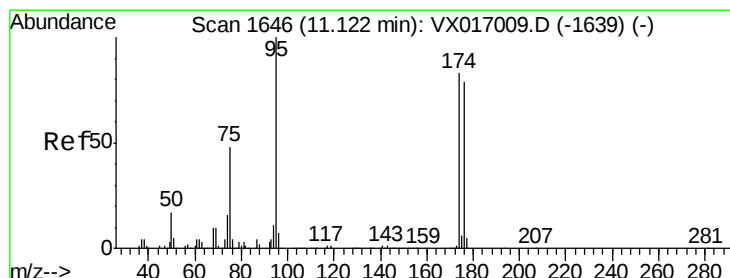
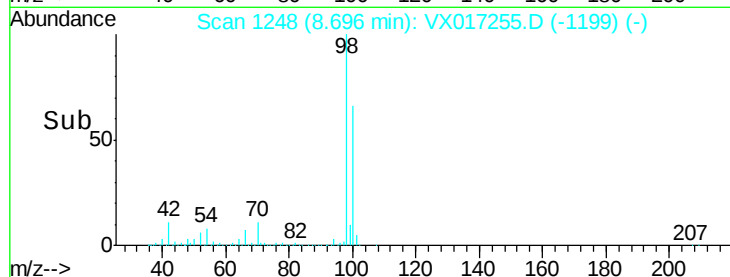
200000

100000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 54.498 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017255.D

Acq: 08 Jul 2020 15:07

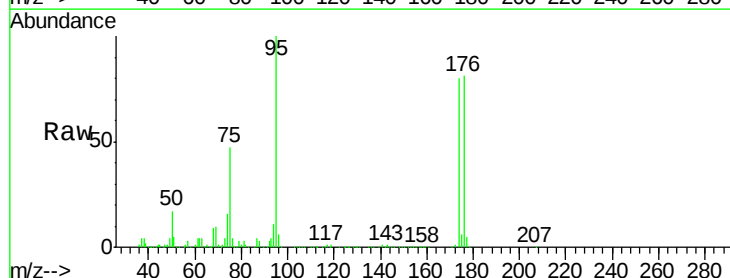
Tgt Ion: 95 Resp: 207710

Ion Ratio Lower Upper

95 100

174 82.8 0.0 164.0

176 82.4 0.0 157.6



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

11.12

200000

150000

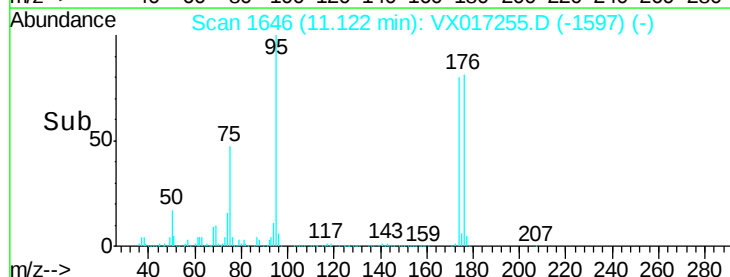
100000

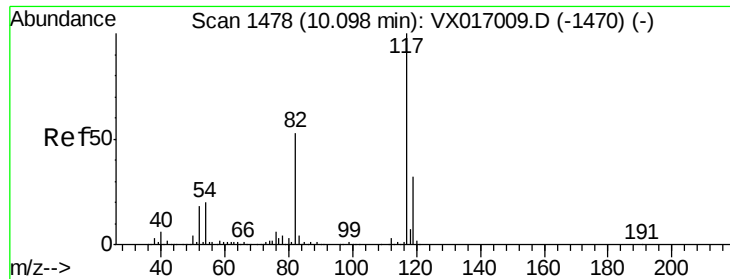
50000

0

Time-->

11.05 11.10 11.15 11.20

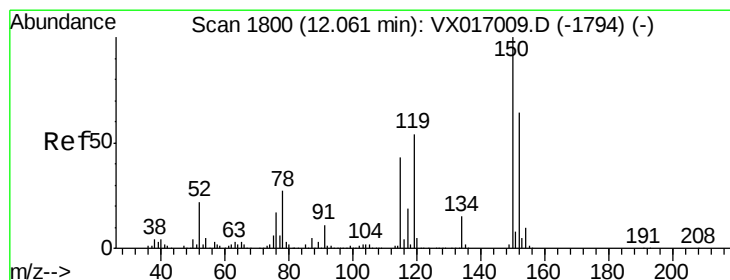
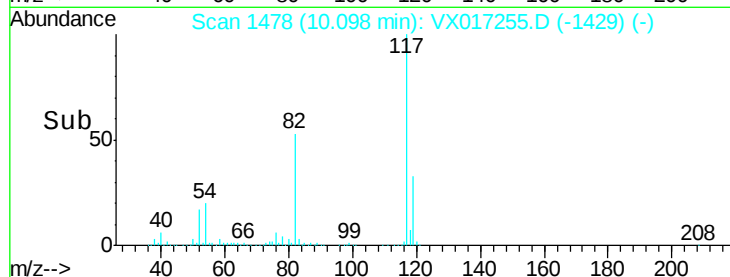
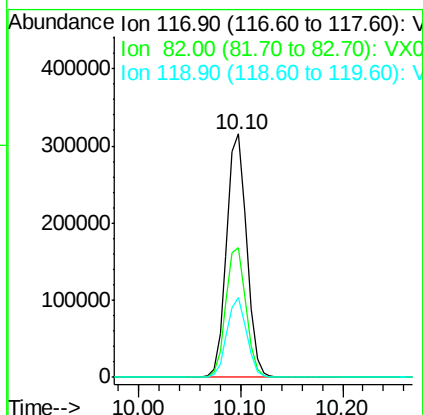
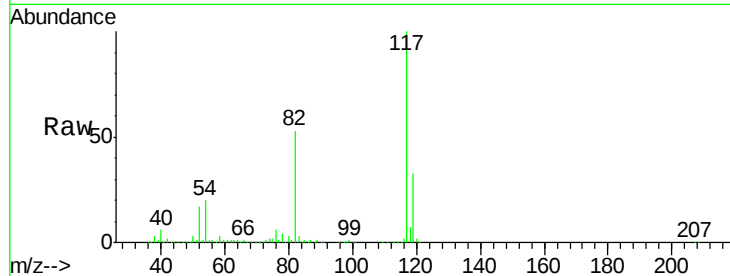




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017255.D
Acq: 08 Jul 2020 15:07

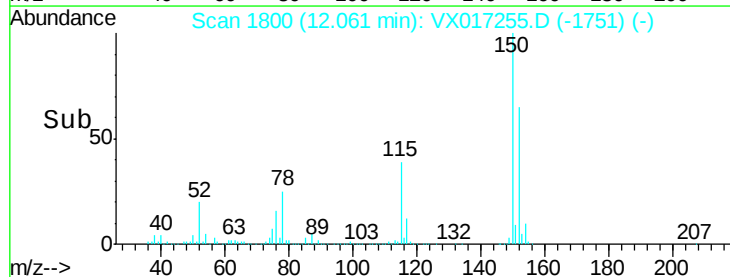
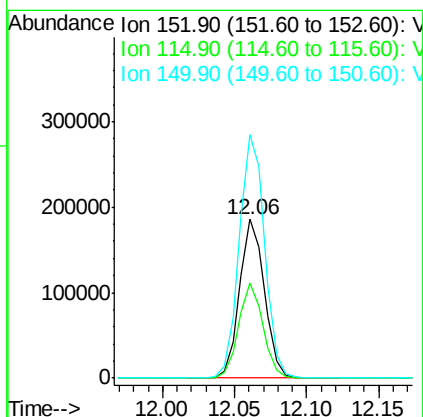
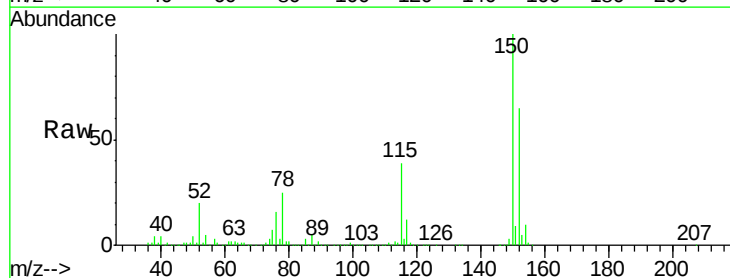
Instrument :
MSVOA_X
ClientSampleId :
31063

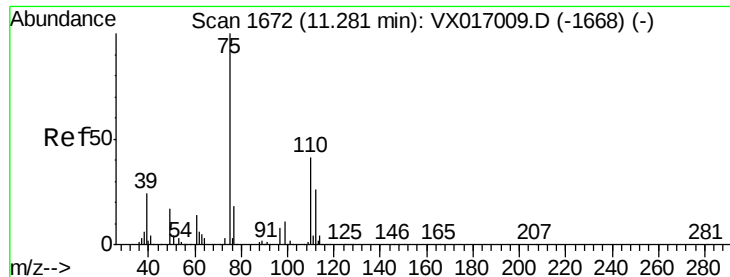
Tgt Ion:117 Resp: 428616
Ion Ratio Lower Upper
117 100
82 53.4 42.6 63.8
119 32.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017255.D
Acq: 08 Jul 2020 15:07

Tgt Ion:152 Resp: 222058
Ion Ratio Lower Upper
152 100
115 58.5 40.9 122.7
150 156.2 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 23.584 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017255.D

Acq: 08 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

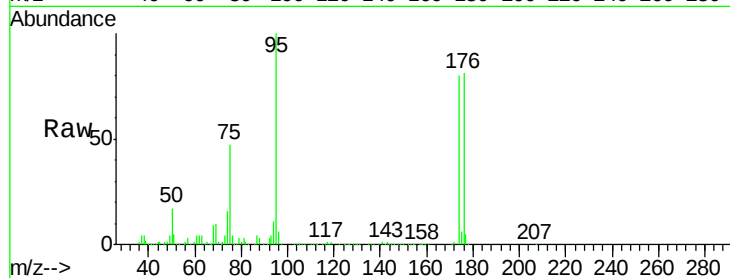
31063

Tgt Ion: 75 Resp: 102983

Ion Ratio Lower Upper

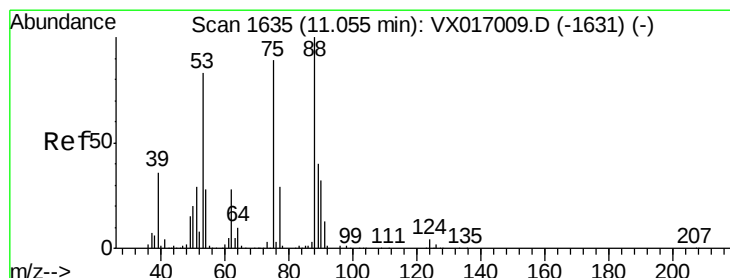
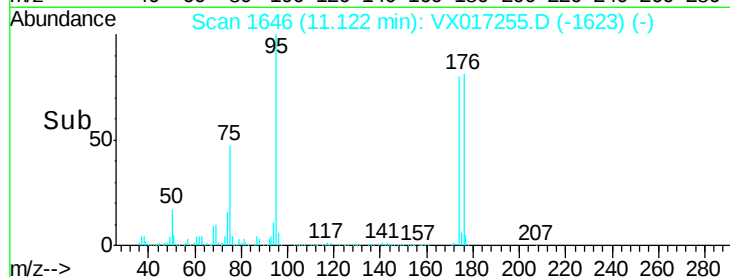
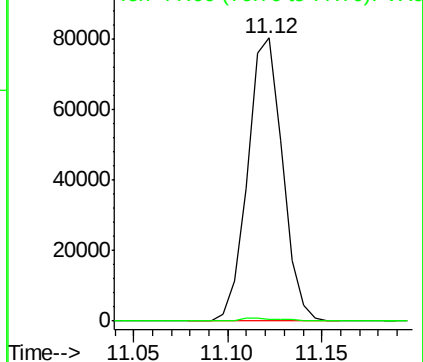
75 100

77 1.3 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: 61.074 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017255.D

Acq: 08 Jul 2020 15:07

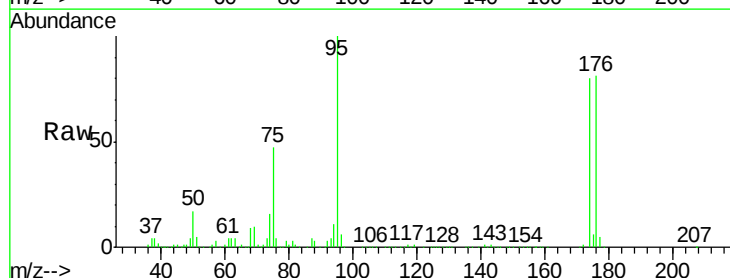
Tgt Ion: 75 Resp: 102983

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

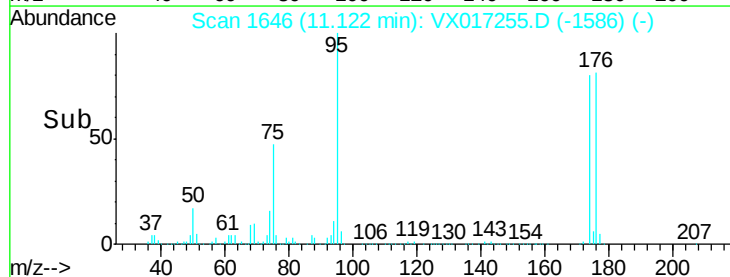
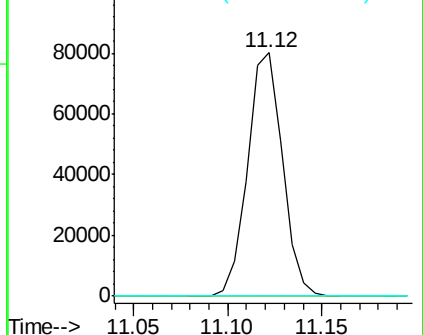
89 0.0 37.0 55.4#

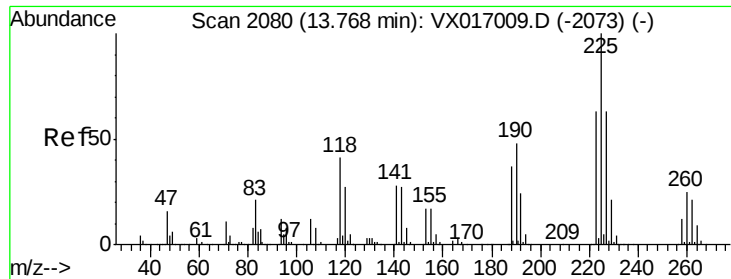


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94
 Hexachlorobutadiene
 Concen: 0.893 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX017255.D
 Acq: 08 Jul 2020 15:07

Instrument :
 MSVOA_X
 ClientSampleId :
 31063

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

