

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017136.D
 Acq On : 02 Jul 2020 06:25
 Operator : JC/SP
 Sample : L3159-23 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 64BR-20200629

Quant Time: Jul 02 07:02:11 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	206286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	349881	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	366159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	196090	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	140407	55.21	ug/l	0.00
Spiked Amount			Recovery	=	110.42%	
35) Dibromofluoromethane	5.47	113	118439	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
50) Toluene-d8	8.70	98	428389	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.12	95	178396	55.76	ug/l	0.00
Spiked Amount			Recovery	=	111.52%	

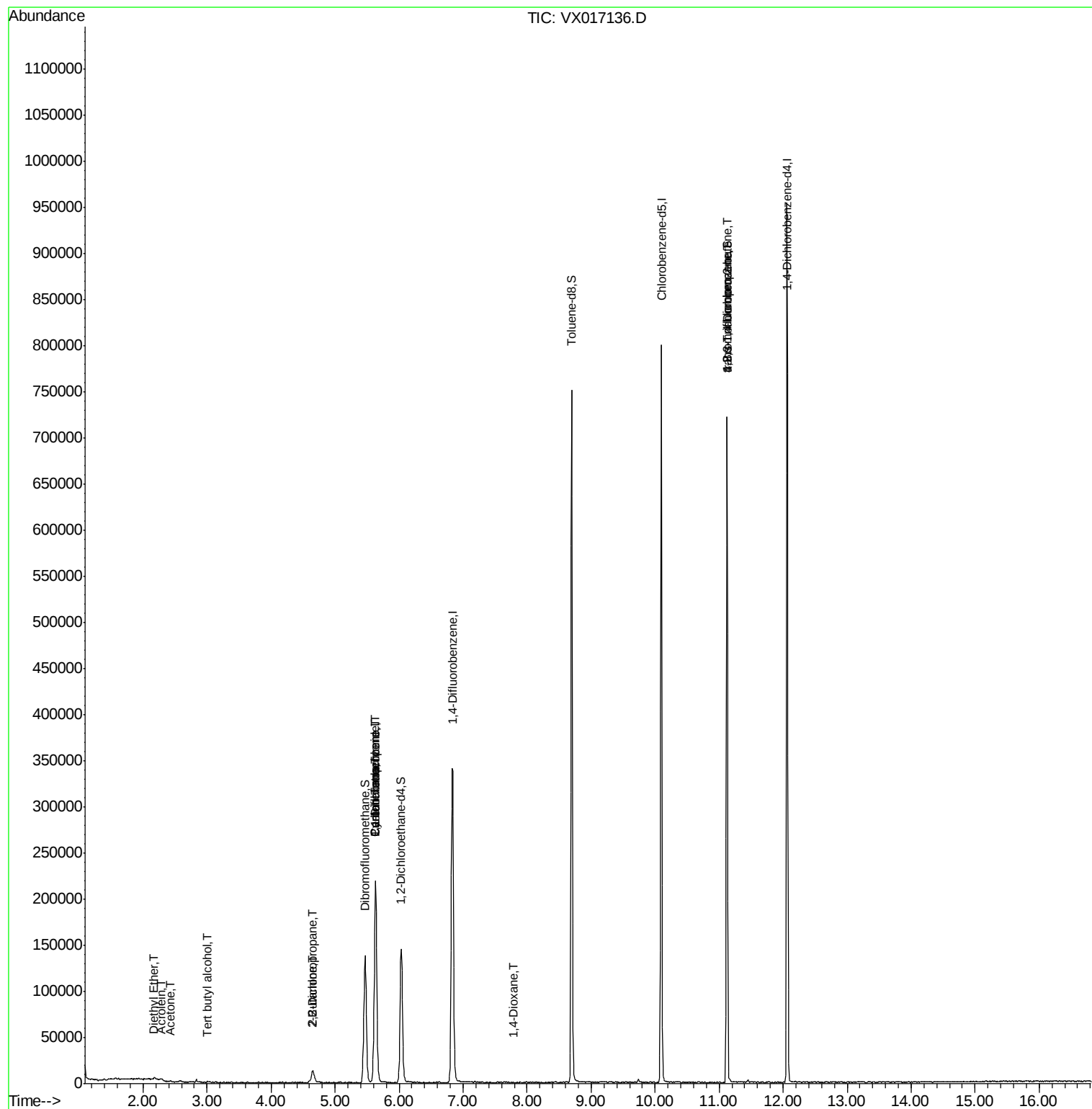
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.16	74	281	0.616	ug/l	55
11) Tert butyl alcohol	3.00	59	281	0.579	ug/l #	52
13) Acrolein	2.29	56	293	1.010	ug/l #	66
16) Acetone	2.43	43	1053	1.107	ug/l #	77
20) Methylene Chloride	2.84	84	1355	Below Cal	#	78
25) 2-Butanone	4.64	43	371	0.234	ug/l #	49
26) 2,2-Dichloropropane	4.64	77	1235	0.350	ug/l #	53
31) Cyclohexane	5.63	56	4264	1.242	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	15073	4.558	ug/l #	50
38) Carbon Tetrachloride	5.63	117	20558	5.644	ug/l #	18
44) Trichloroethene	7.17	130	28	Below Cal		3
49) 1,4-Dioxane	7.78	88	20	0.333	ug/l #	24
76) 1,2,3-Trichloropropane	11.12	75	89330	23.167	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	89330	59.993	ug/l #	13
88) 1,4-Dichlorobenzene	12.06	146	403	Below Cal	#	1

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

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MSVOA_X
ClientSampled :
64BR-20200629

Quant Time: Jul 02 07:02:11 2020
Quant Method : Z:\V0ASRV\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: VX017136.D

Acq: 02 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

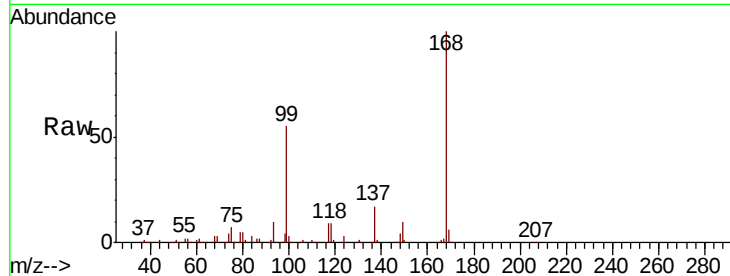
64BR-20200629

Tot Ion:168 Resp: 206286

Ion Ratio Lower Upper

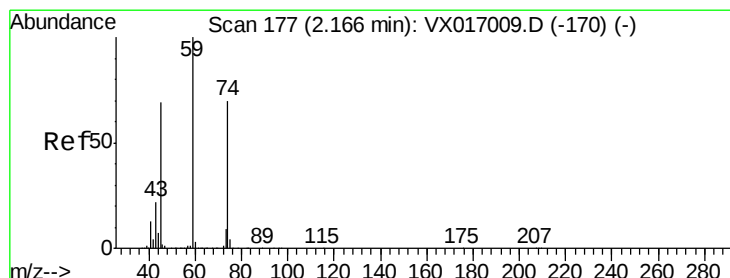
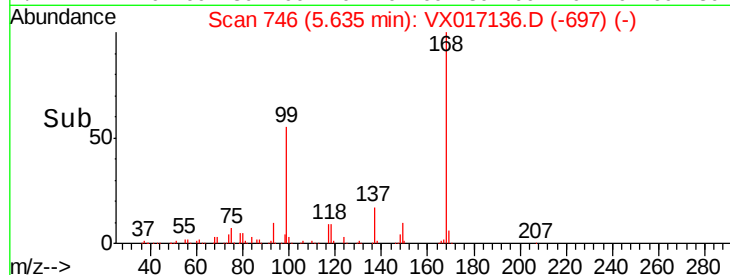
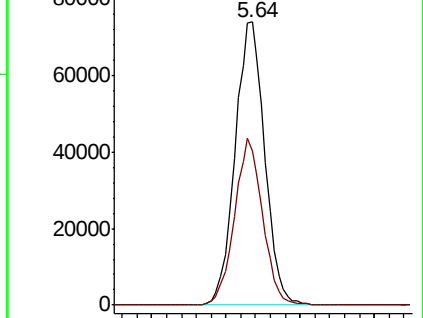
168 100

99 54.5 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.616 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017136.D

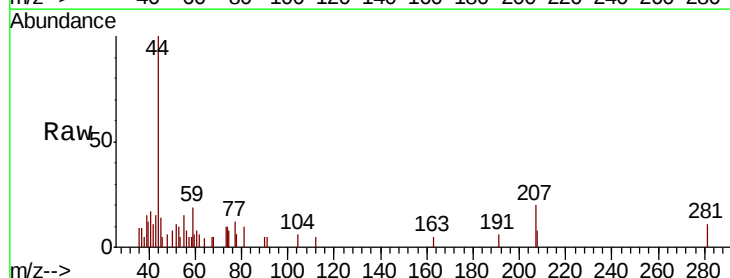
Acq: 02 Jul 2020 06:25

Tgt Ion: 74 Resp: 281

Ion Ratio Lower Upper

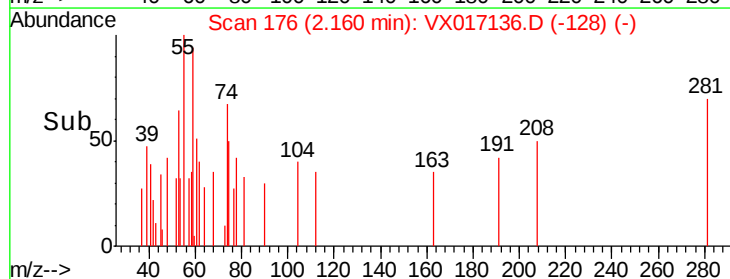
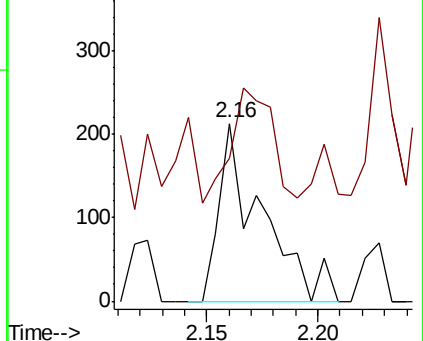
74 100

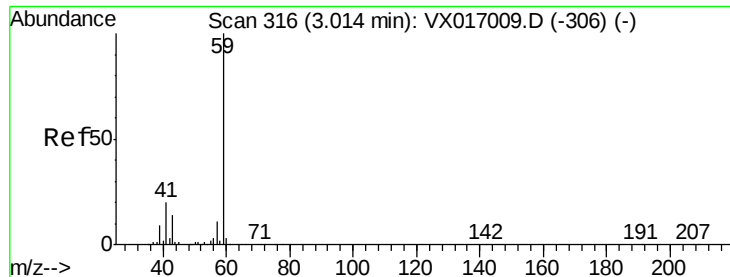
45 54.8 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



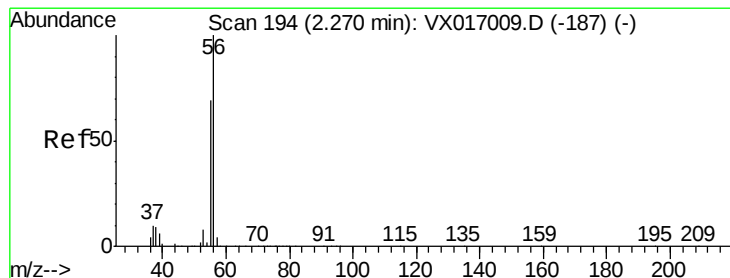
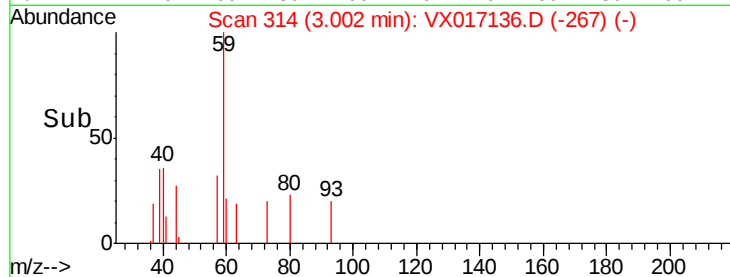
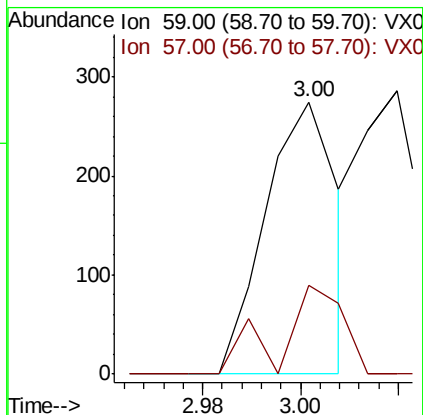
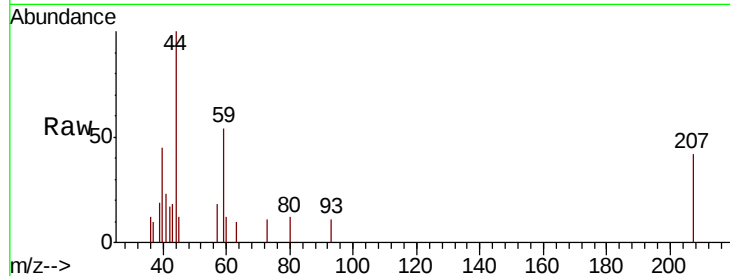


#11

Tert butyl alcohol
Concen: 0.579 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX017136.D
Acq: 02 Jul 2020 06:25

Instrument :
MSVOA_X
ClientSampleId :
64BR-20200629

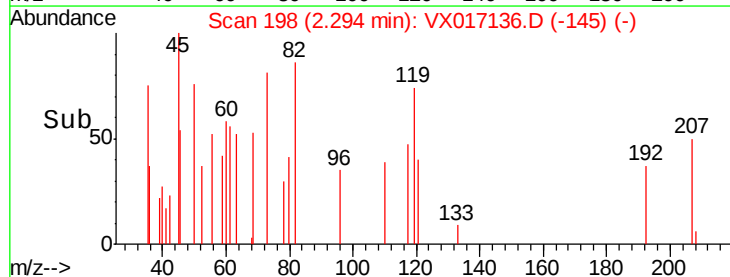
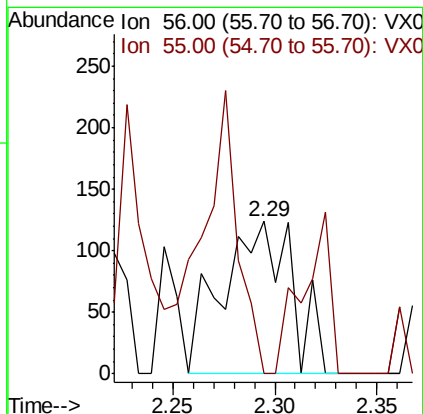
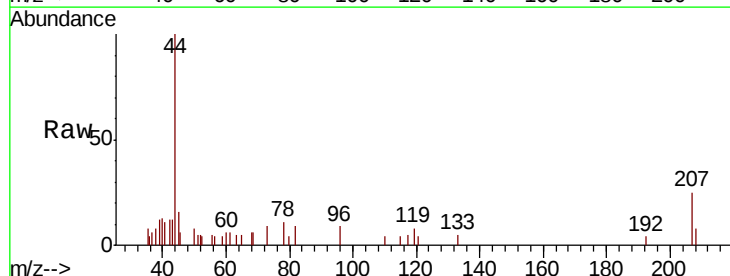
Tot Ion: 59 Resp: 281
Ion Ratio Lower Upper
59 100
57 28.1 8.2 12.2#

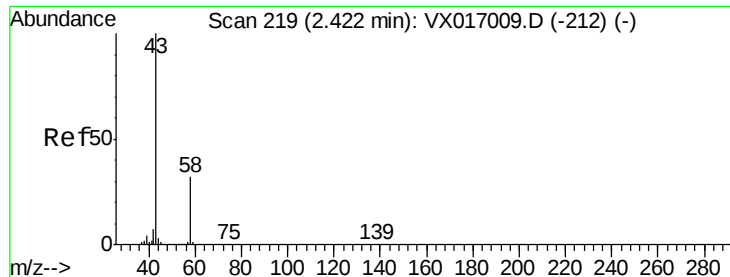


#13

Acrolein
Concen: 1.010 ug/l
RT: 2.29 min Scan# 198
Delta R.T. 0.02 min
Lab File: VX017136.D
Acq: 02 Jul 2020 06:25

Tgt Ion: 56 Resp: 293
Ion Ratio Lower Upper
56 100
55 97.3 55.7 83.5#





#16

Acetone

Concen: 1.107 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX017136.D

Acq: 02 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

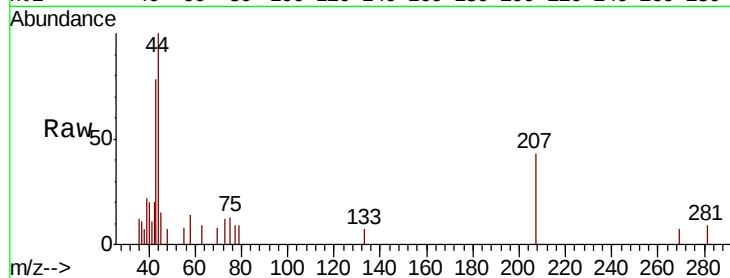
64BR-20200629

Tot Ion: 43 Resp: 1053

Ion Ratio Lower Upper

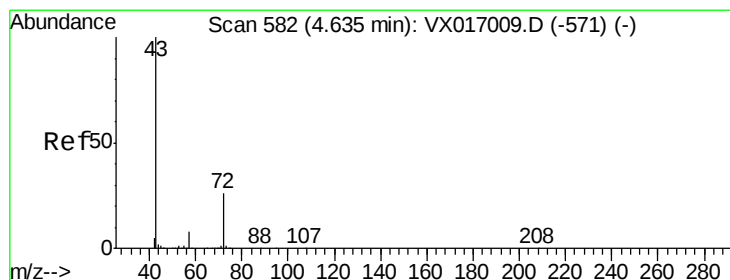
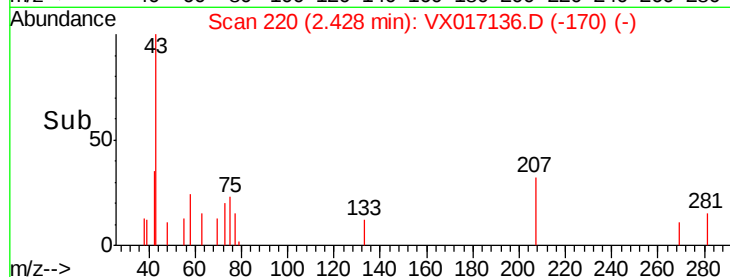
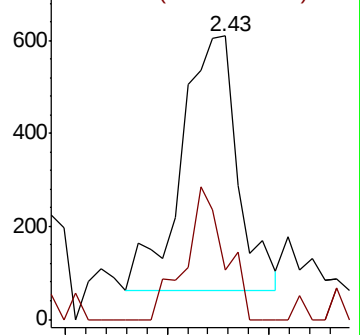
43 100

58 19.5 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: 0.234 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX017136.D

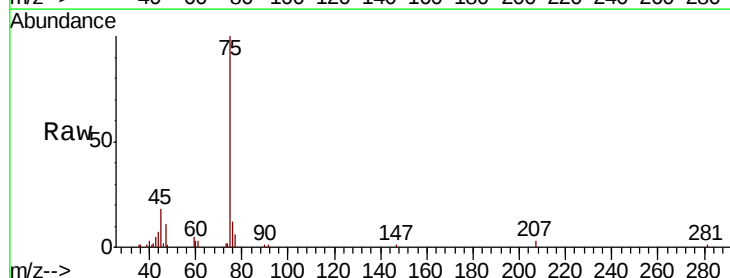
Acq: 02 Jul 2020 06:25

Tgt Ion: 43 Resp: 371

Ion Ratio Lower Upper

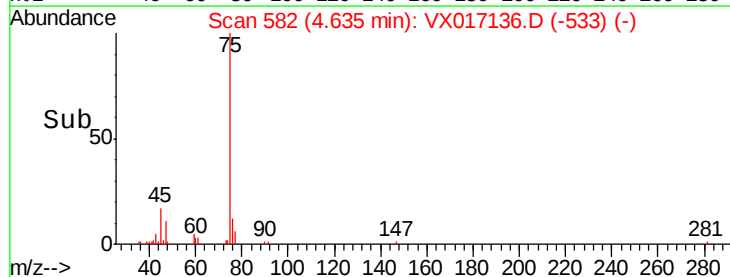
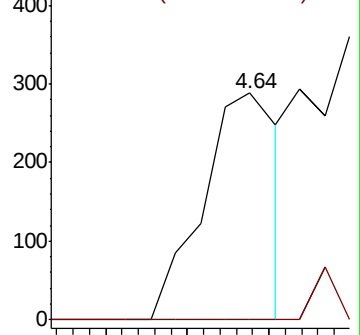
43 100

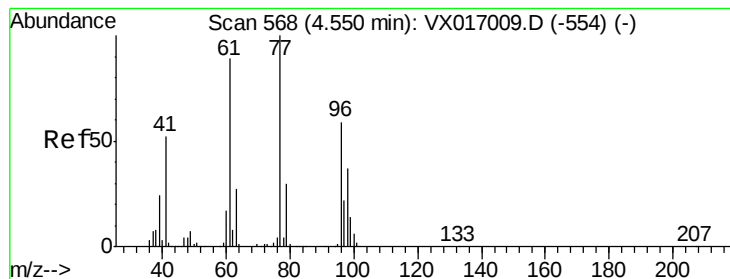
72 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 0.350 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.09 min

Lab File: VX017136.D

Acq: 02 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

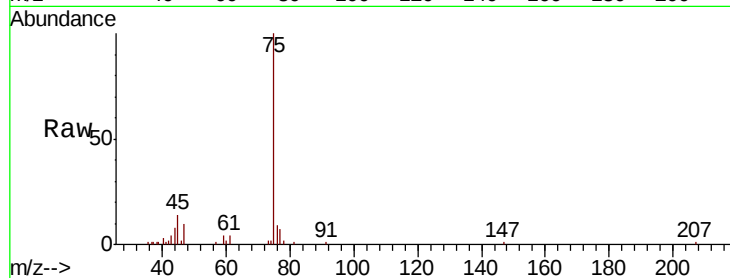
64BR-20200629

Tot Ion: 77 Resp: 1235

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.64

500

400

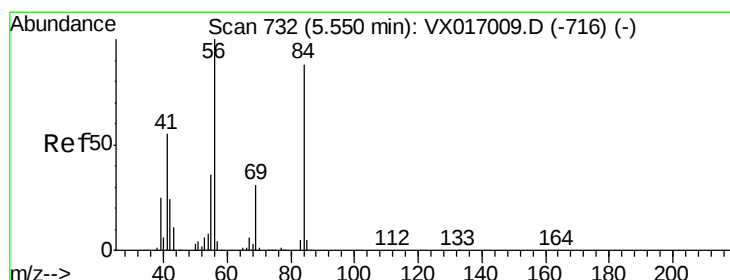
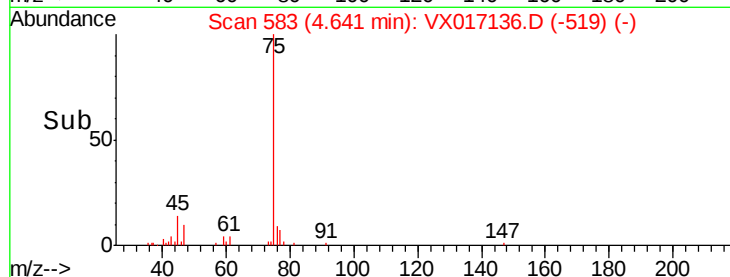
300

200

100

0

Time--> 4.55 4.60 4.65 4.70



#31

Cyclohexane

Concen: 1.242 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017136.D

Acq: 02 Jul 2020 06:25

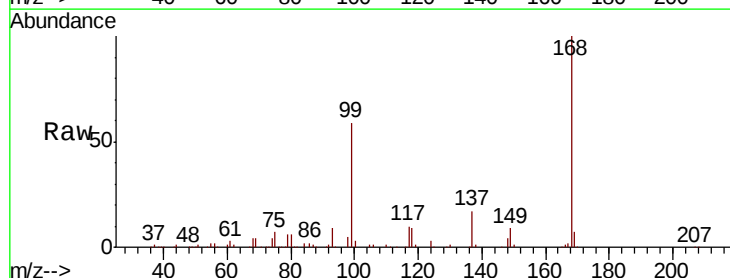
Tgt Ion: 56 Resp: 4264

Ion Ratio Lower Upper

56 100

69 205.8 25.0 37.4#

84 122.6 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

4000

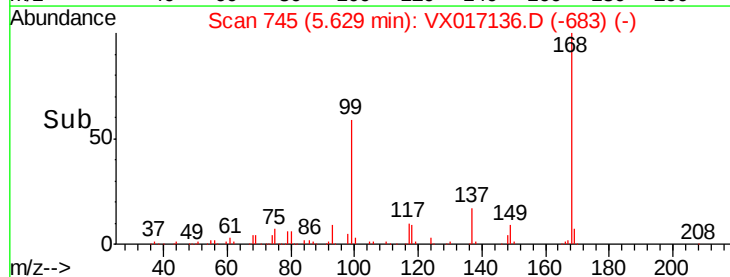
3000

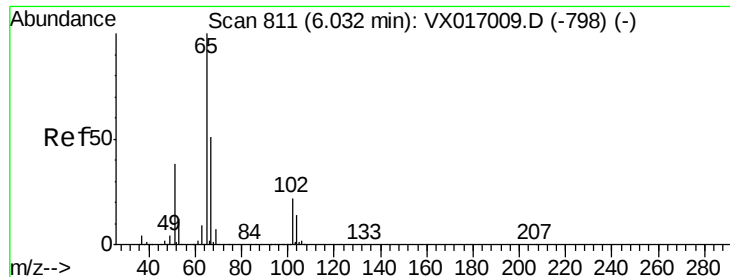
2000

1000

0

Time--> 5.50 5.60 5.70





#33

1,2-Dichloroethane-d4

Concen: 55.211 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017136.D

Acq: 02 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

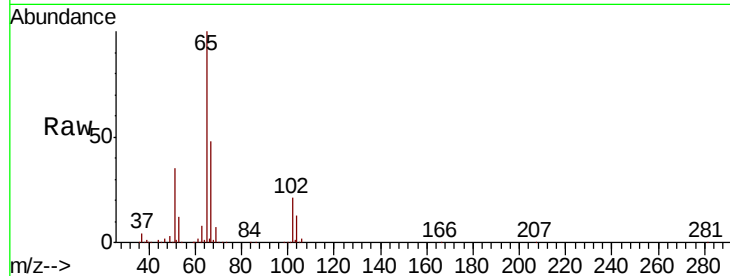
64BR-20200629

Tot Ion: 65 Resp: 140407

Ion Ratio Lower Upper

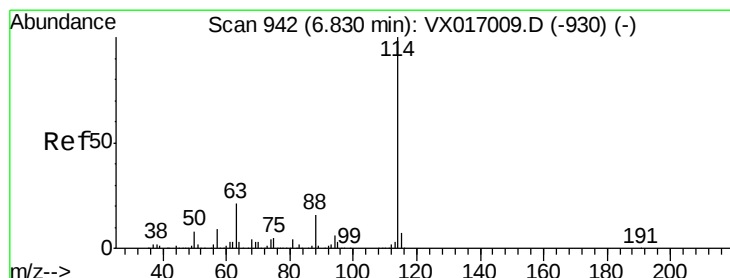
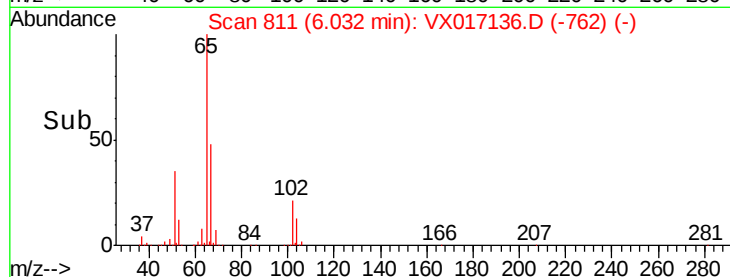
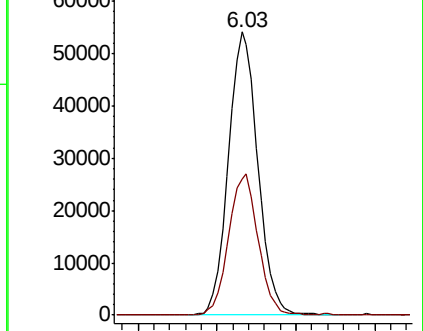
65 100

67 50.1 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: VX017136.D

Acq: 02 Jul 2020 06:25

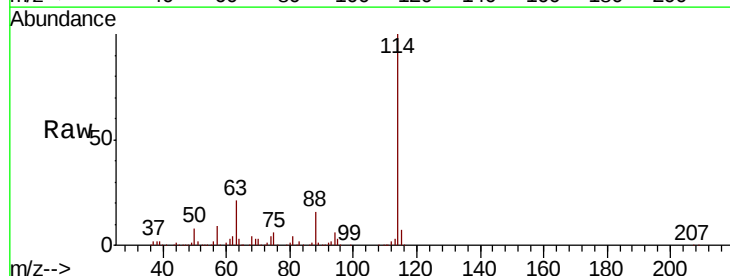
Tgt Ion: 114 Resp: 349881

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

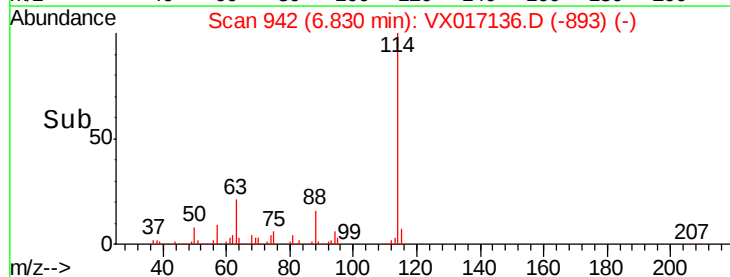
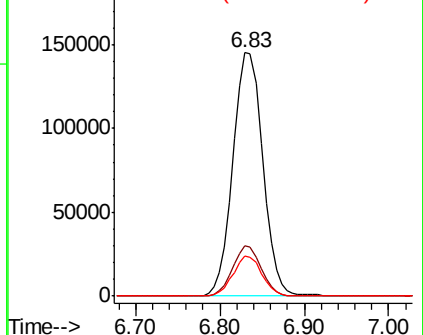
88 16.4 0.0 32.4

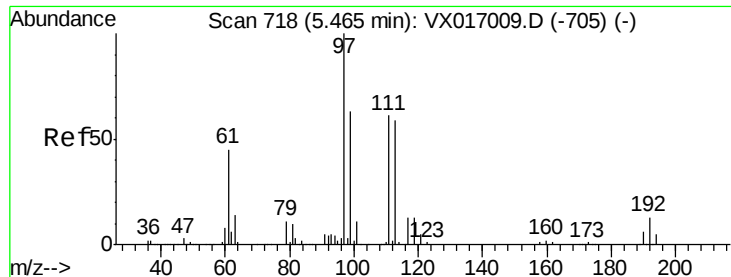


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.514 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017136.D

Acq: 02 Jul 2020 06:25

Instrument :

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64BR-20200629

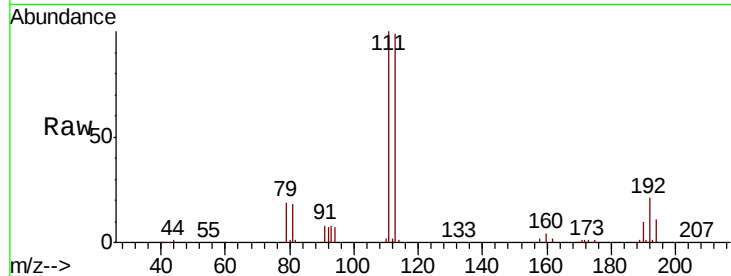
Tot Ion:113 Resp: 118439

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

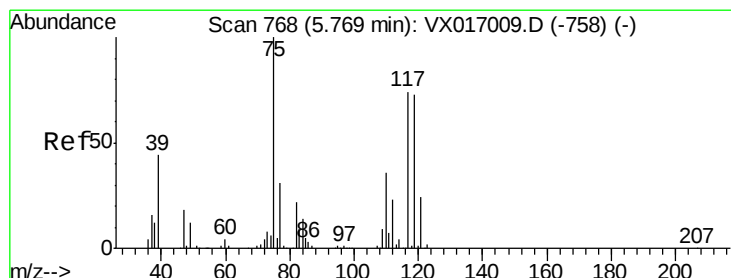
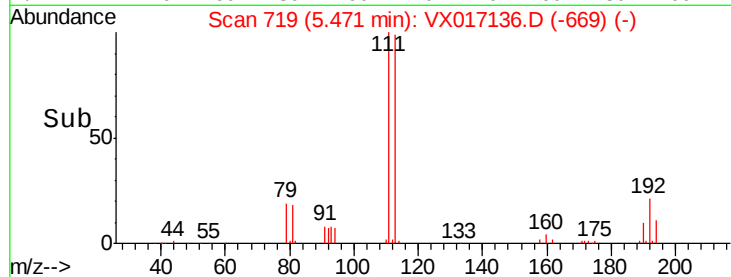
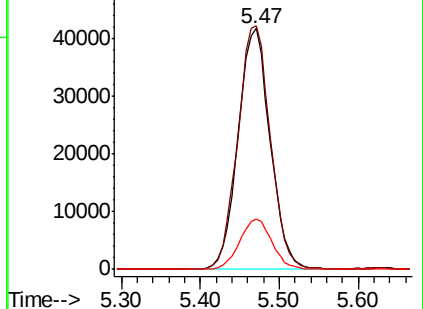
192 21.0 16.7 25.1



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: 4.558 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017136.D

Acq: 02 Jul 2020 06:25

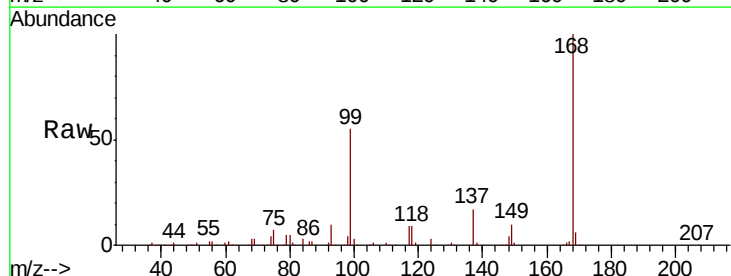
Tgt Ion: 75 Resp: 15073

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.1#

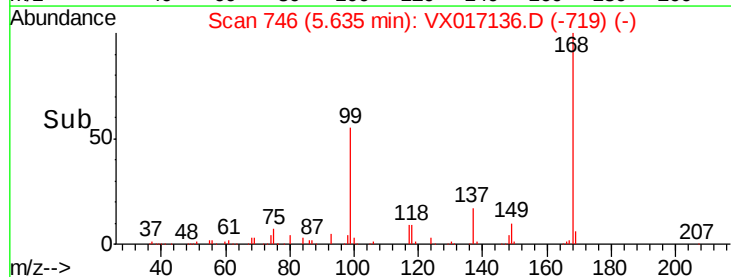
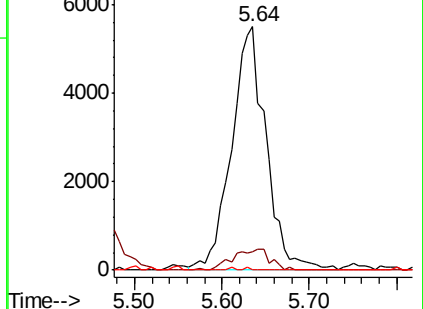
77 0.2 24.6 37.0#

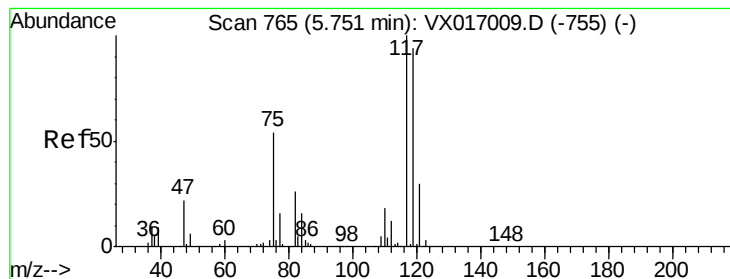


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.644 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017136.D

Acq: 02 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

64BR-20200629

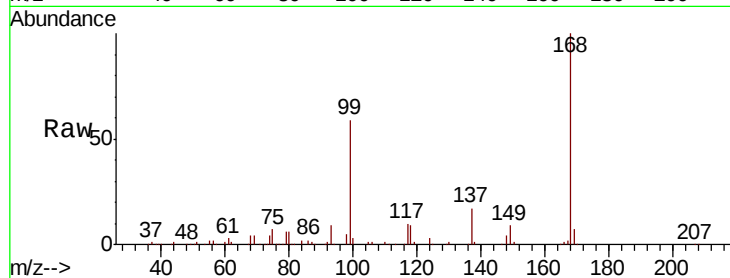
Tot Ion:117 Resp: 20558

Ion Ratio Lower Upper

117 100

119 6.1 75.4 113.0#

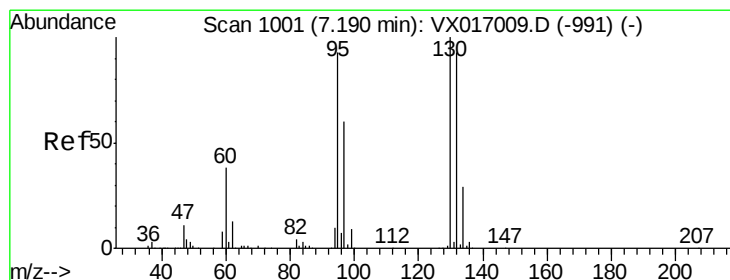
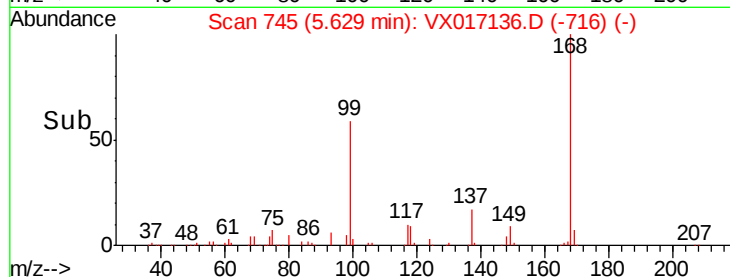
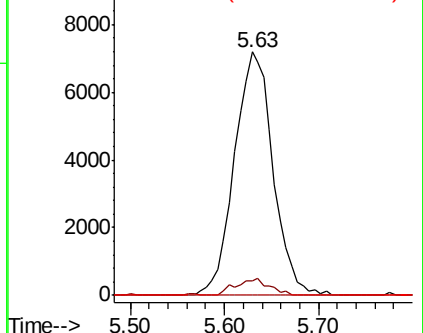
121 0.0 23.8 35.6#



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: Below Cal

RT: 7.17 min Scan# 998

Delta R.T. -0.02 min

Lab File: VX017136.D

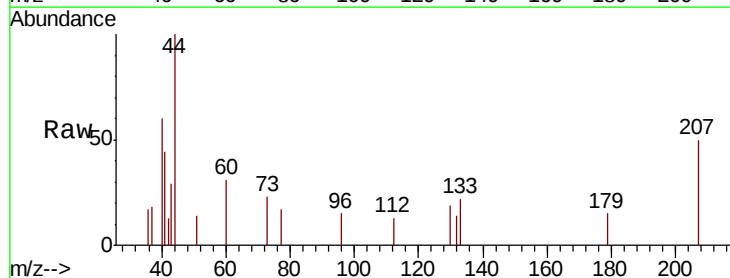
Acq: 02 Jul 2020 06:25

Tgt Ion:130 Resp: 28

Ion Ratio Lower Upper

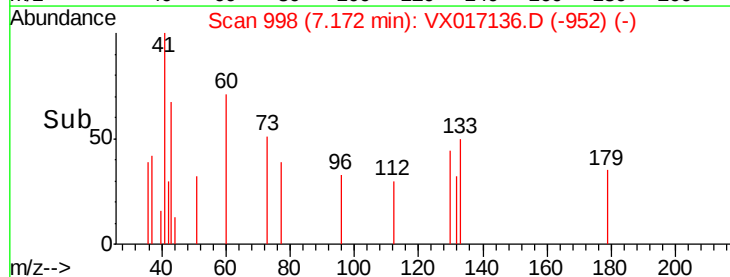
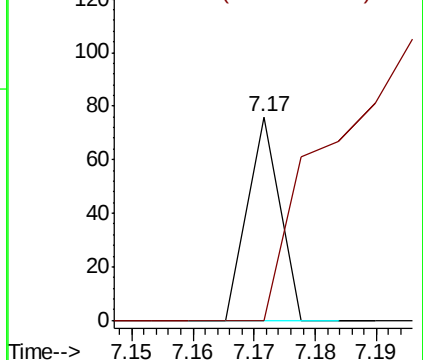
130 100

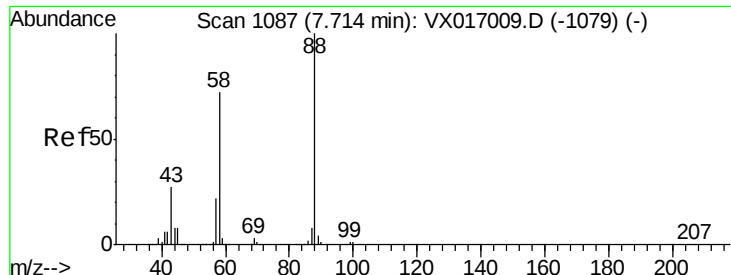
95 0.0 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.333 ug/l

RT: 7.78 min Scan# 1098

Delta R.T. 0.07 min

Lab File: VX017136.D

Acq: 02 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

64BR-20200629

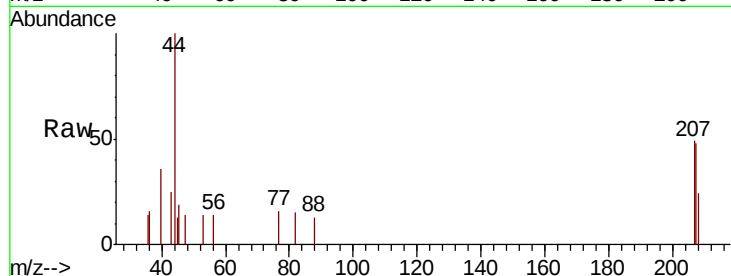
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.8#

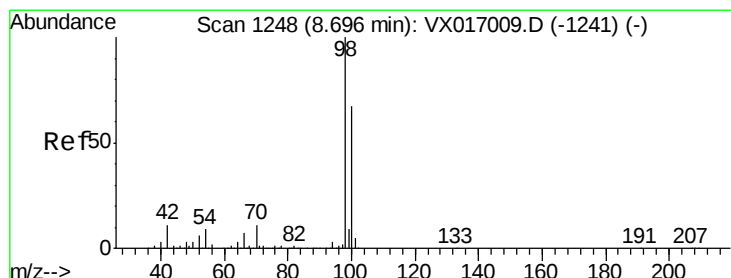
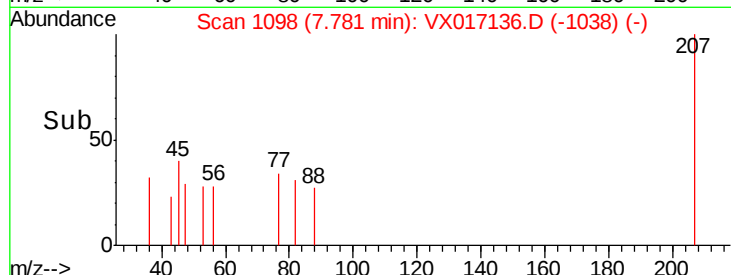
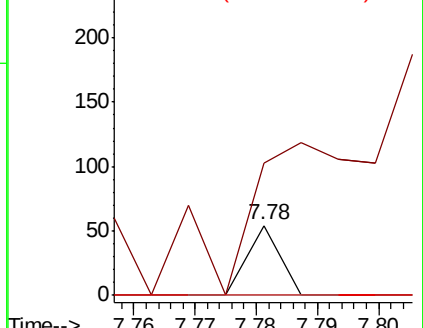
58 0.0 54.8 82.2#



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: 52.344 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017136.D

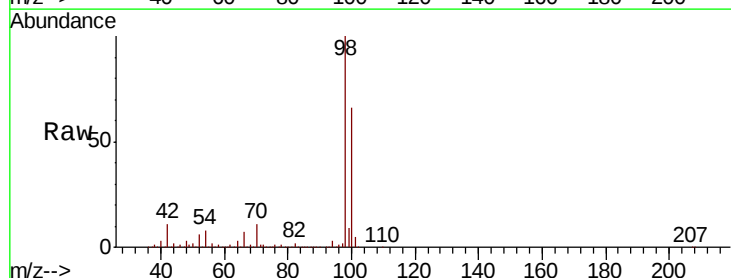
Acq: 02 Jul 2020 06:25

Tgt Ion: 98 Resp: 428389

Ion Ratio Lower Upper

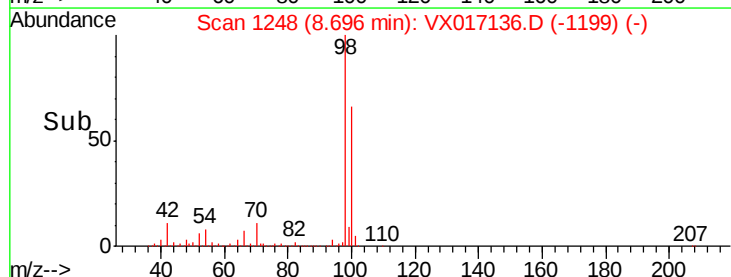
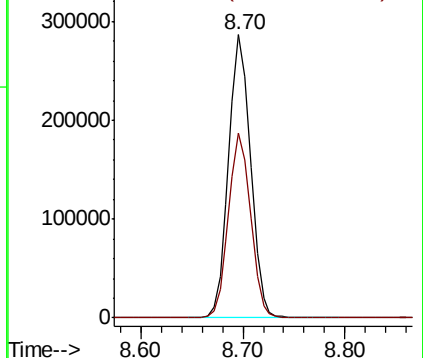
98 100

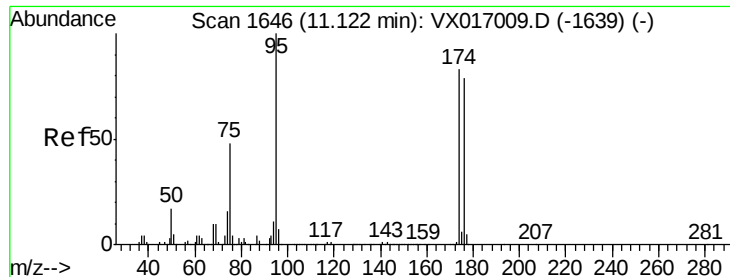
100 65.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 55.761 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017136.D

Acq: 02 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

64BR-20200629

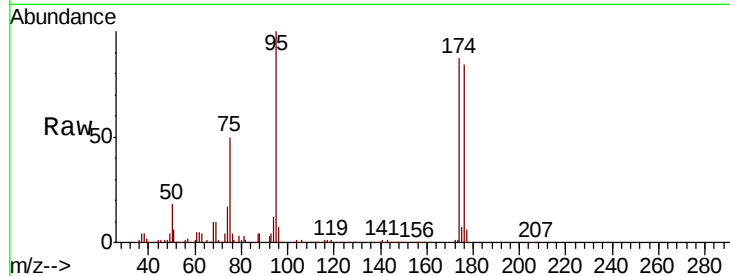
Tot Ion: 95 Resp: 178396

Ion Ratio Lower Upper

95 100

174 83.0 0.0 164.0

176 81.2 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX017136.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017136.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017136.D (-1597) (-)

11.12

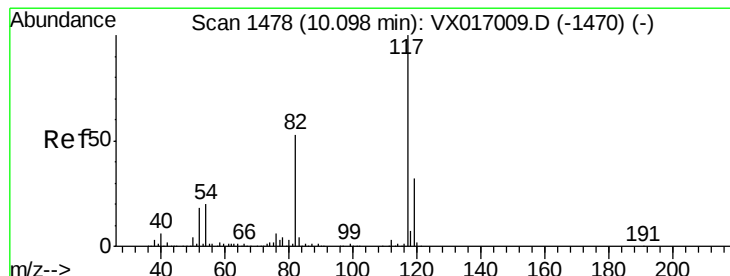
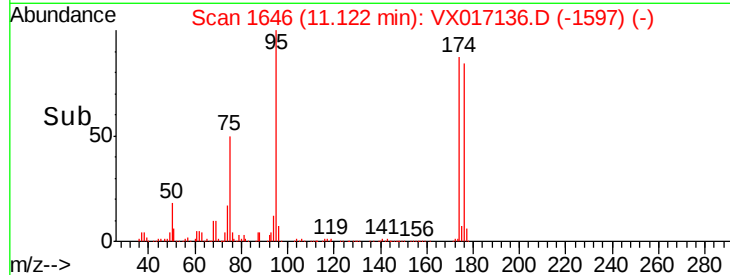
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017136.D

Acq: 02 Jul 2020 06:25

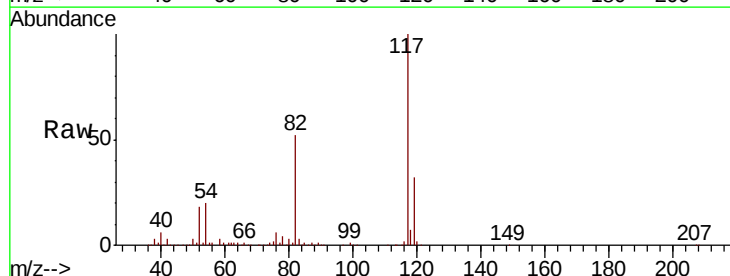
Tgt Ion: 117 Resp: 366159

Ion Ratio Lower Upper

117 100

82 51.6 42.6 63.8

119 32.0 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VX017136.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017136.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017136.D (-1429) (-)

10.10

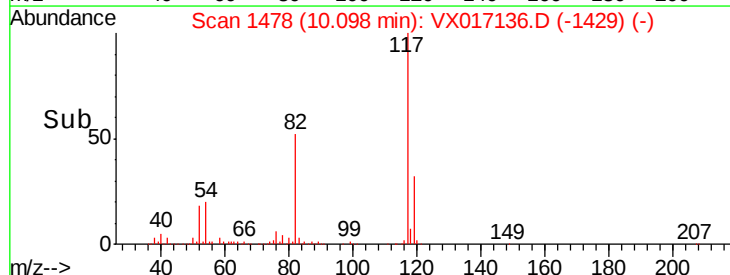
300000

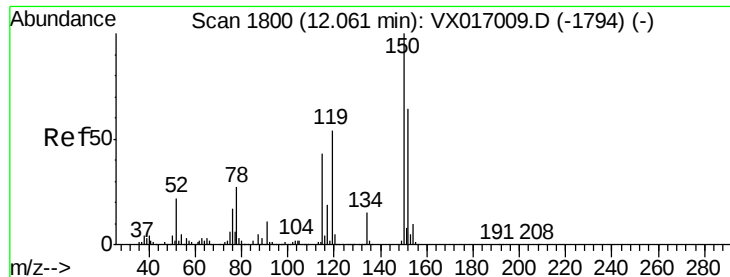
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017136.D

Acq: 02 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

64BR-20200629

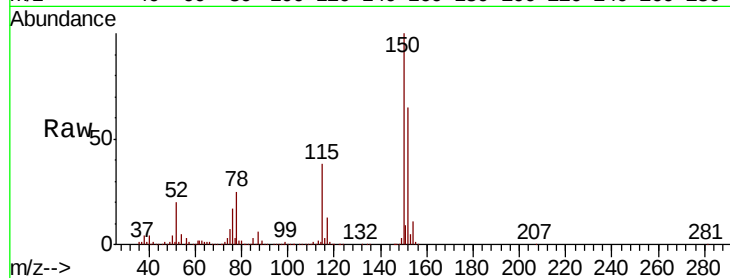
Tot Ion:152 Resp: 196090

Ion Ratio Lower Upper

152 100

115 56.2 40.9 122.7

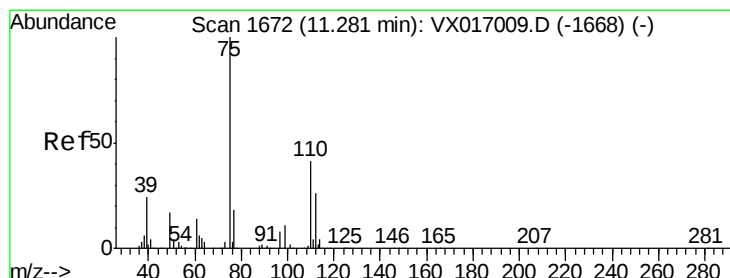
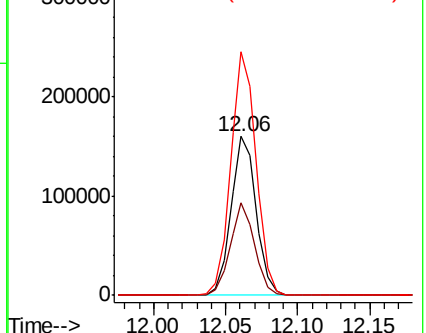
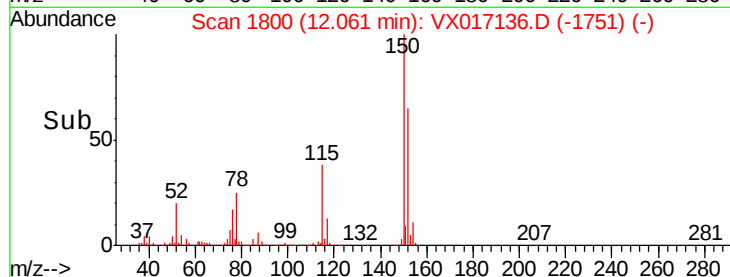
150 154.1 0.0 351.6



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: 23.167 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017136.D

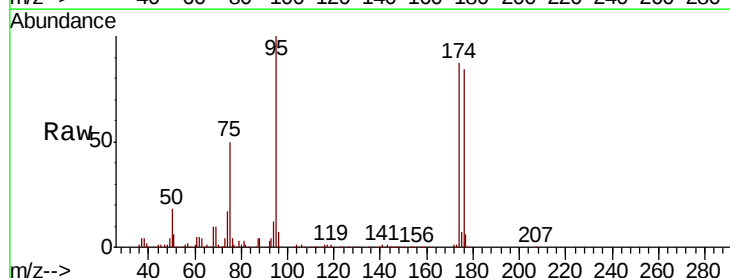
Acq: 02 Jul 2020 06:25

Tgt Ion: 75 Resp: 89330

Ion Ratio Lower Upper

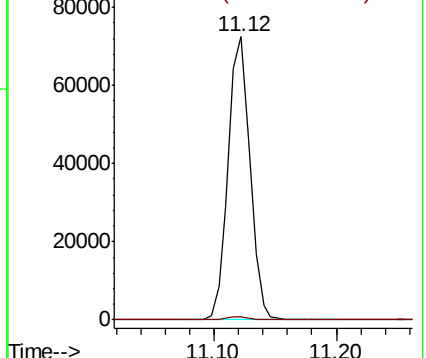
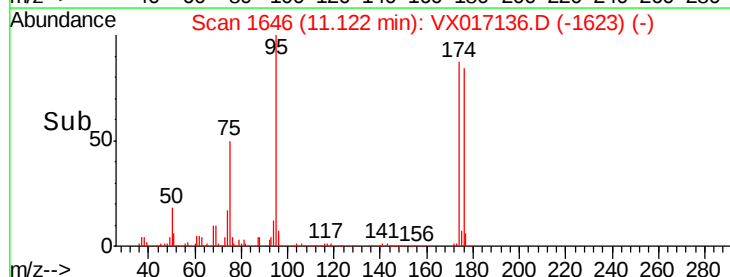
75 100

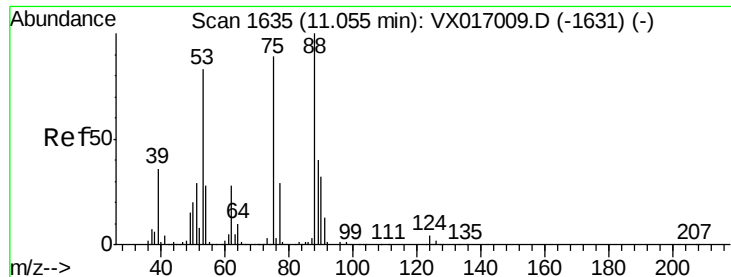
77 1.3 20.2 60.6#



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: 59.993 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX017136.D
 Acq: 02 Jul 2020 06:25

Instrument :
 MSVOA_X
 ClientSampleId :
 64BR-20200629

Tot Ion: 75 Resp: 89330
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.4 108.6#
 89 0.1 37.0 55.4#

