

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072020\
 Data File : VX017443.D
 Acq On : 20 Jul 2020 18:44
 Operator : JC/SP
 Sample : L3177-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-05-071720

Quant Time: Jul 21 02:06:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	250745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	435455	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	466211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	252220	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	170520	54.18	ug/l	0.00
Spiked Amount			Recovery	=	108.36%	
35) Dibromofluoromethane	5.46	113	149212	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	8.70	98	543187	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	11.12	95	232262	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	

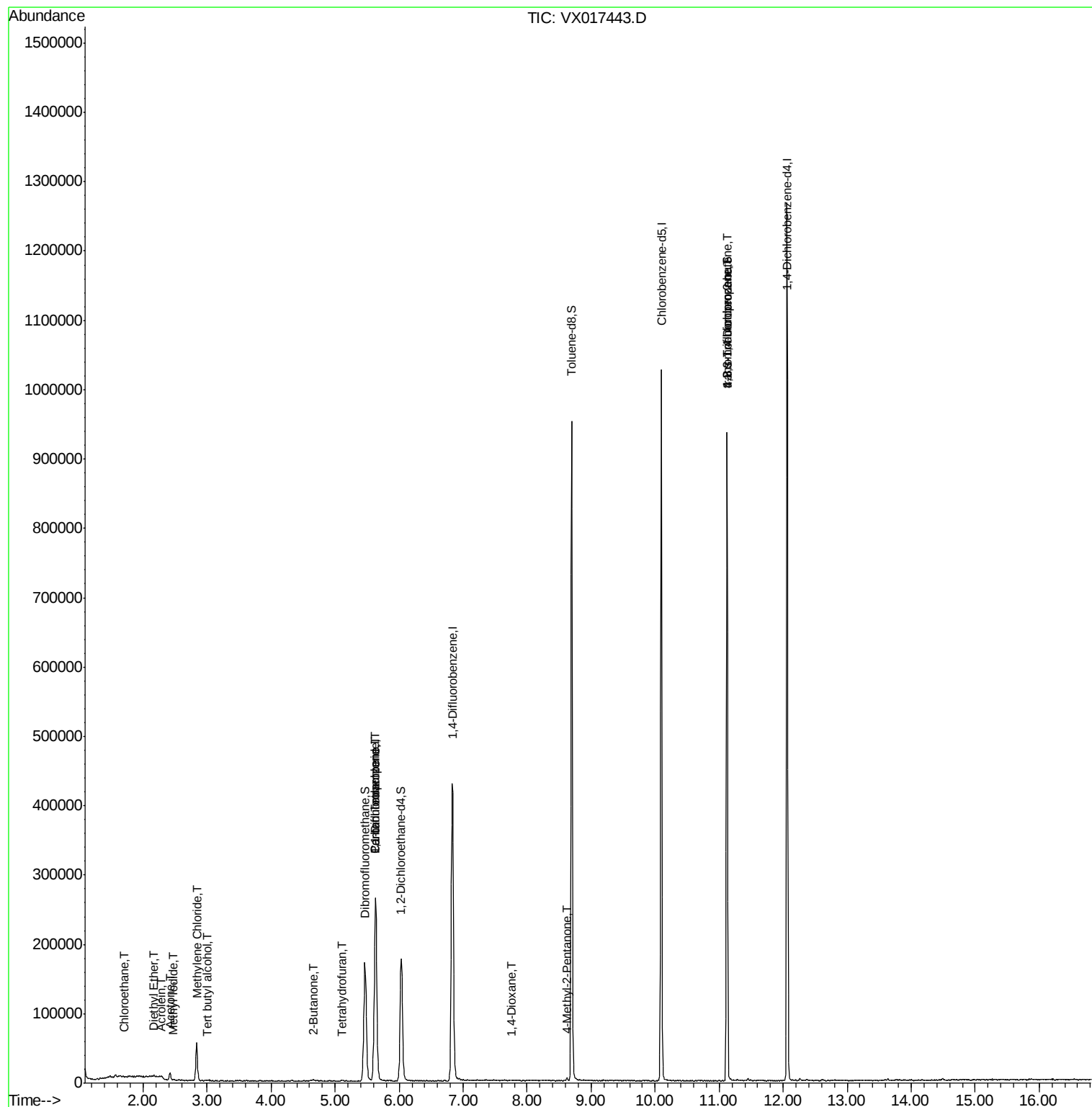
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	304	0.204	ug/l #	43
8) Diethyl Ether	2.17	74	716	0.508	ug/l	82
10) Methyl Iodide	2.47	142	26	2.382	ug/l #	39
11) Tert butyl alcohol	3.01	59	507	0.956	ug/l	100
13) Acrolein	2.28	56	180	0.619	ug/l #	47
16) Acetone	2.42	43	10589	9.431	ug/l	98
20) Methylene Chloride	2.84	84	25575	9.336	ug/l	96
25) 2-Butanone	4.65	43	2250	1.262	ug/l	99
29) Tetrahydrofuran	5.09	42	322	0.279	ug/l #	44
36) 1,1-Dichloropropene	5.63	75	19134	4.777	ug/l #	50
38) Carbon Tetrachloride	5.64	117	25599	5.459	ug/l #	18
49) 1,4-Dioxane	7.76	88	28	0.431	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	2534	0.628	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	114325	24.530	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	114325	62.227	ug/l #	11

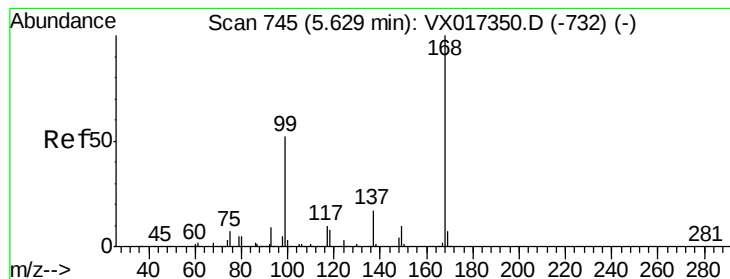
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX017443.D

Acq: 20 Jul 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

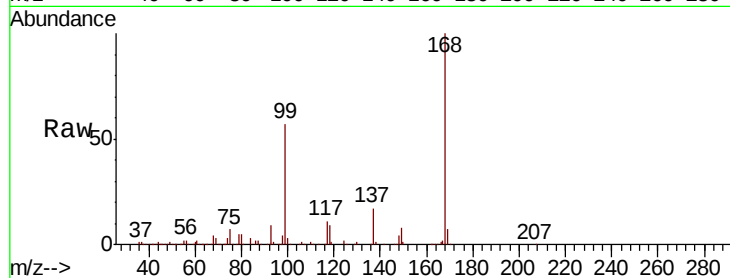
AU-05-071720

Tot Ion:168 Resp: 250745

Ion Ratio Lower Upper

168 100

99 56.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

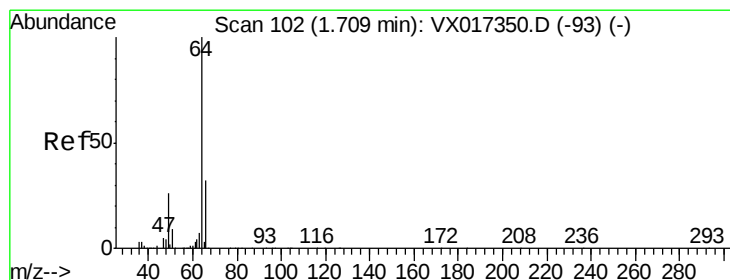
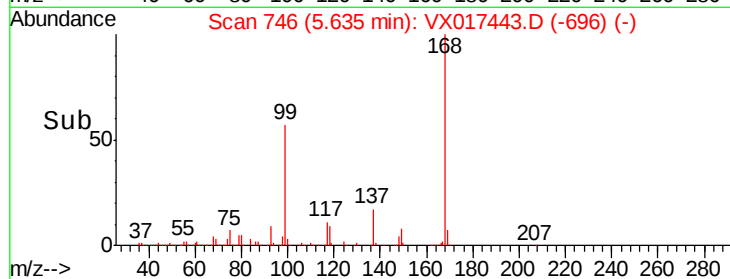
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 0.204 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017443.D

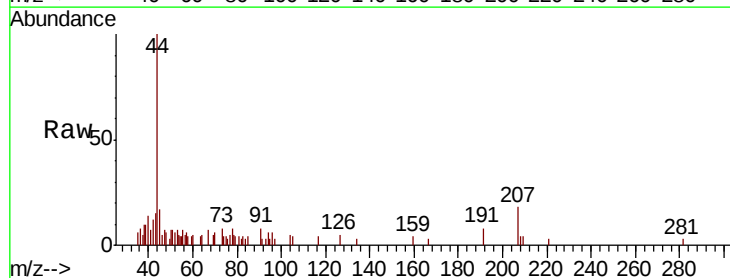
Acq: 20 Jul 2020 18:44

Tgt Ion: 64 Resp: 304

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

200

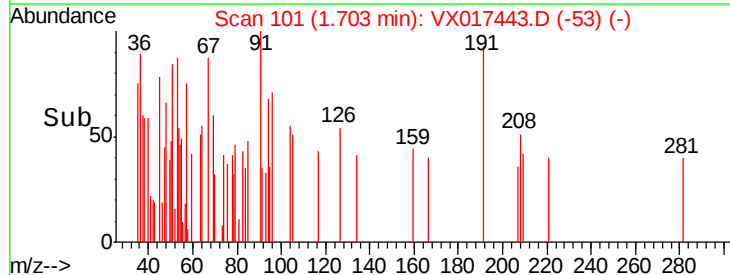
150

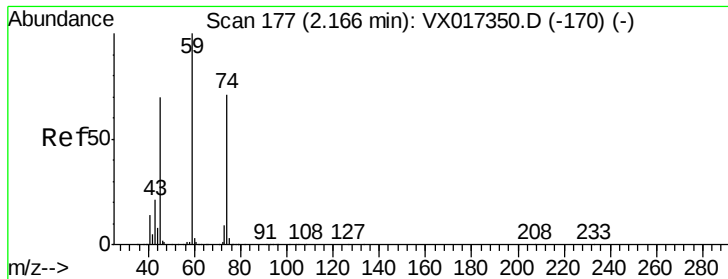
100

50

0

Time-->





#8

Diethyl Ether

Concen: 0.508 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017443.D

Acq: 20 Jul 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

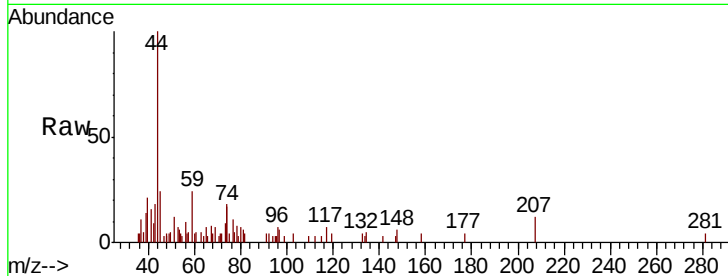
AU-05-071720

Tot Ion: 74 Resp: 716

Ion Ratio Lower Upper

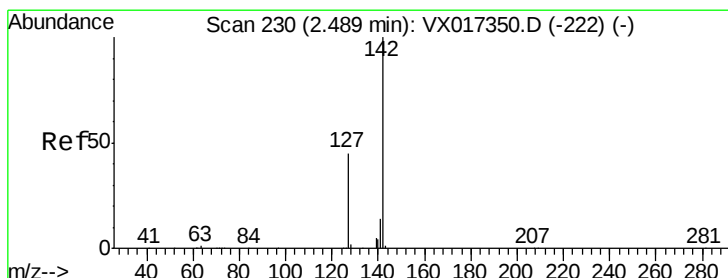
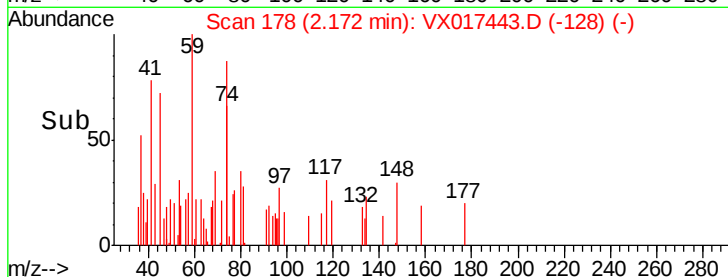
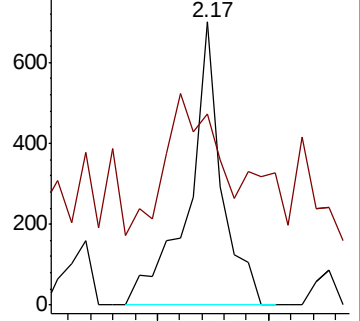
74 100

45 77.1 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 2.382 ug/l

RT: 2.47 min Scan# 227

Delta R.T. -0.02 min

Lab File: VX017443.D

Acq: 20 Jul 2020 18:44

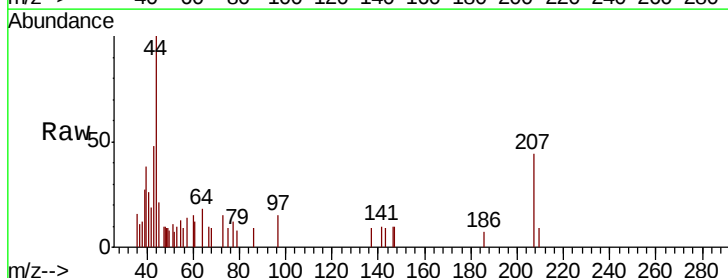
Tgt Ion: 142 Resp: 26

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

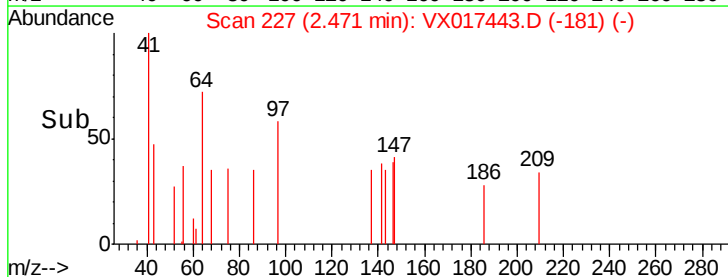
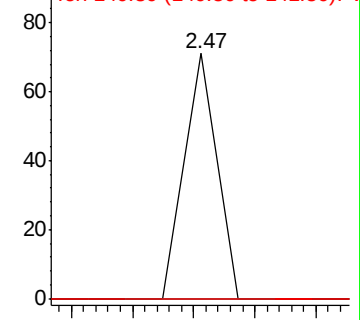
141 0.0 11.4 17.0#

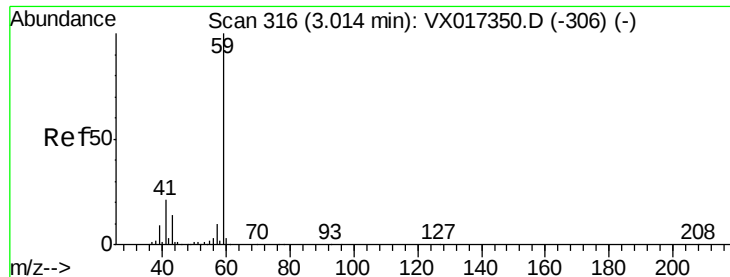


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

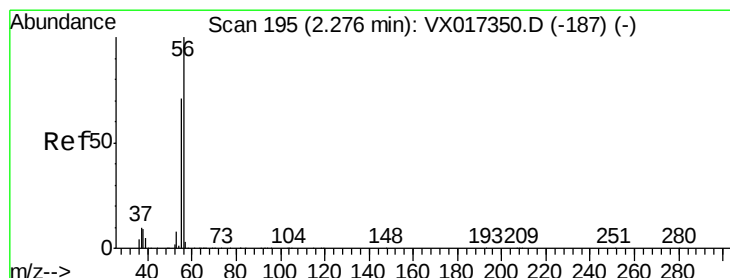
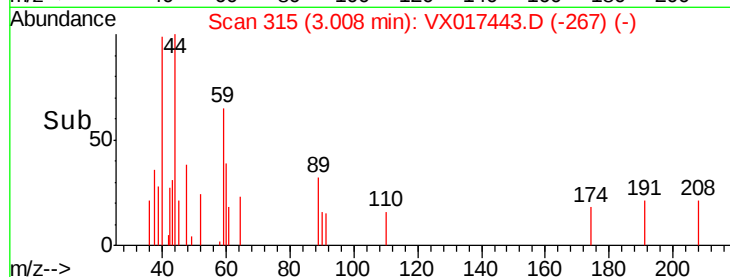
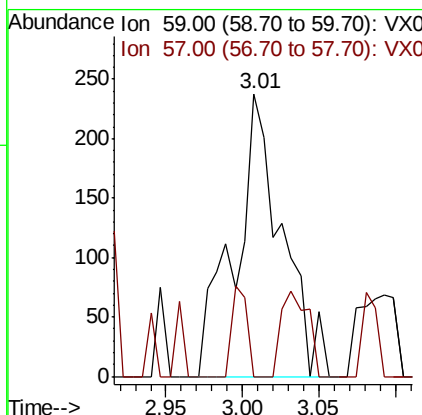
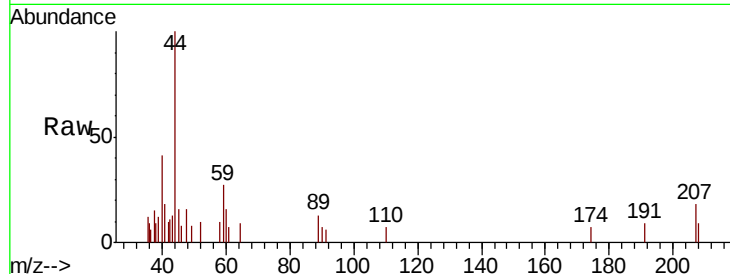




#11
Tert butvl alcohol
Concen: 0.956 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017443.D
Acq: 20 Jul 2020 18:44

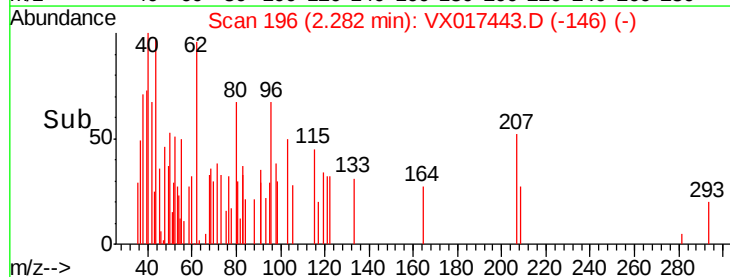
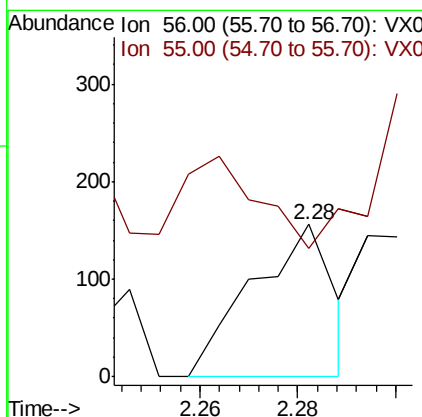
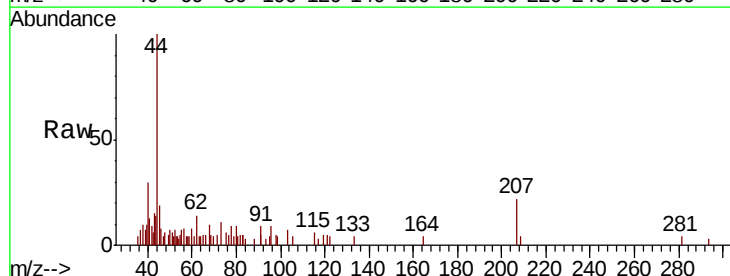
Instrument :
MSVOA_X
ClientSampleId :
AU-05-071720

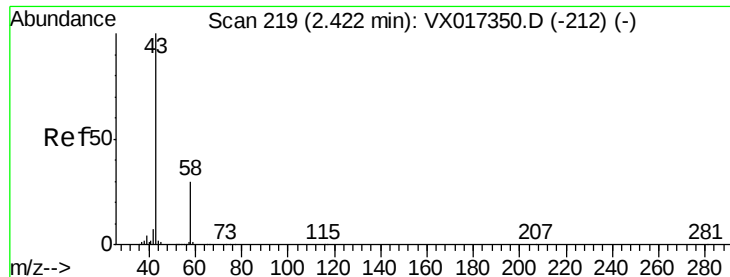
Tot Ion: 59 Resp: 507
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5



#13
Acrolein
Concen: 0.619 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX017443.D
Acq: 20 Jul 2020 18:44

Tgt Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 115.6 57.1 85.7#





#16

Acetone

Concen: 9.431 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017443.D

Acq: 20 Jul 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

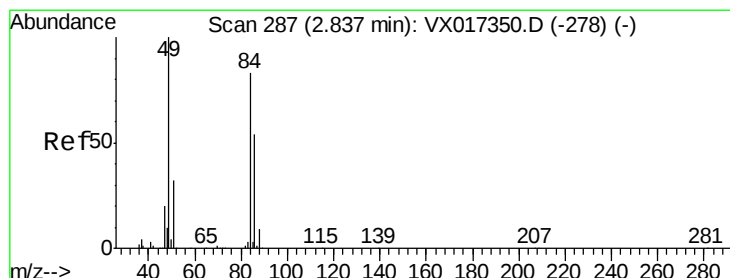
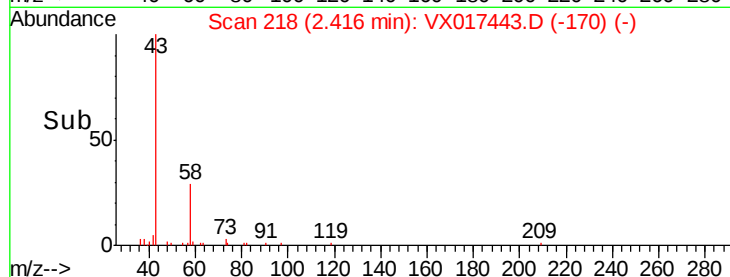
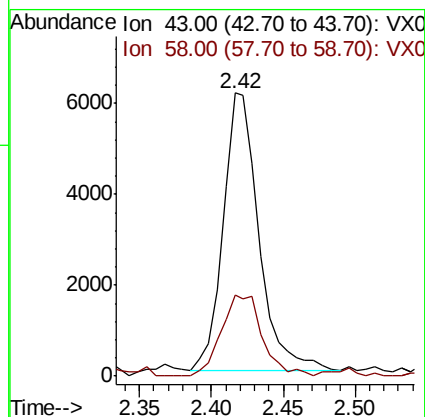
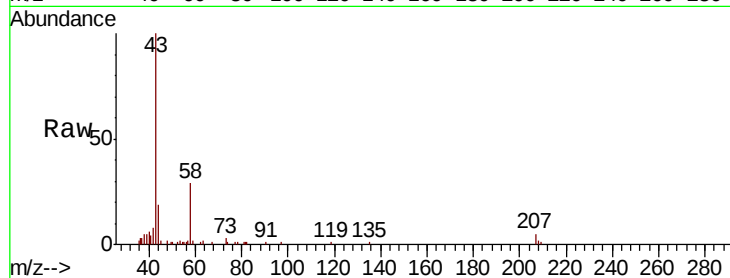
AU-05-071720

Tot Ion: 43 Resp: 10589

Ion Ratio Lower Upper

43 100

58 29.2 24.2 36.2



#20

Methylene Chloride

Concen: 9.336 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017443.D

Acq: 20 Jul 2020 18:44

Tgt Ion: 84 Resp: 25575

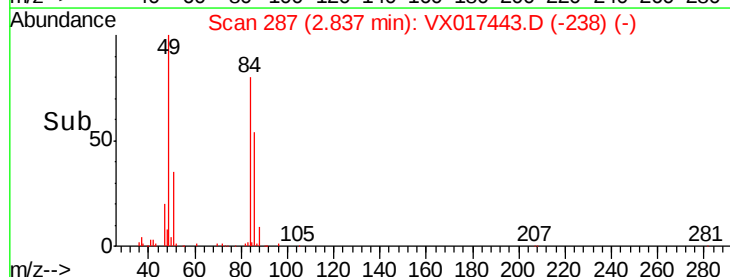
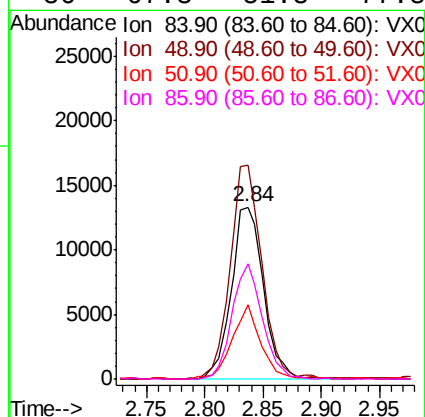
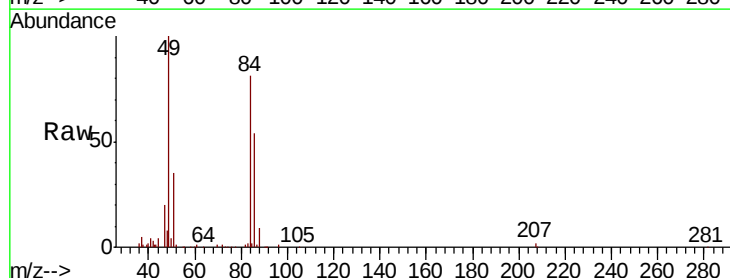
Ion Ratio Lower Upper

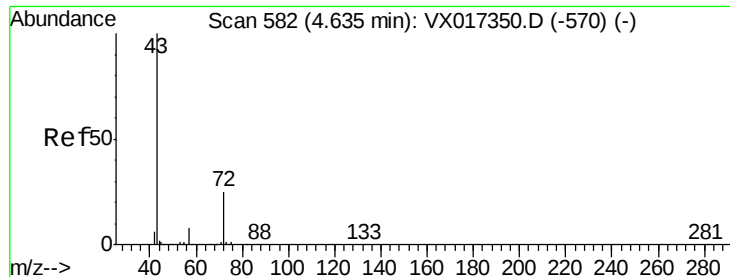
84 100

49 123.3 95.8 143.8

51 42.9 31.0 46.4

86 67.3 51.8 77.8

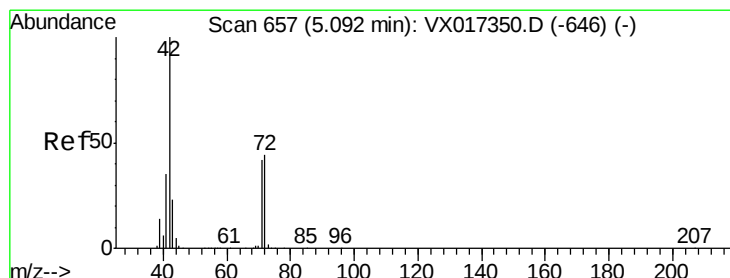
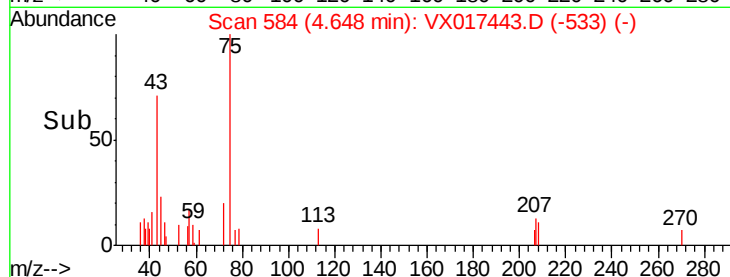
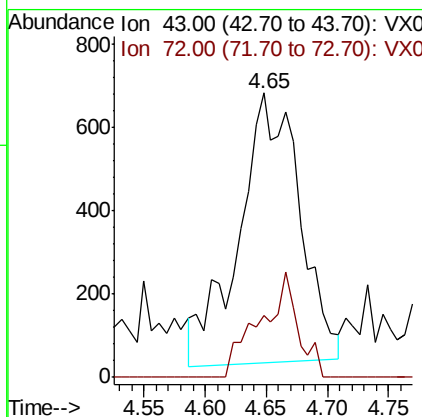
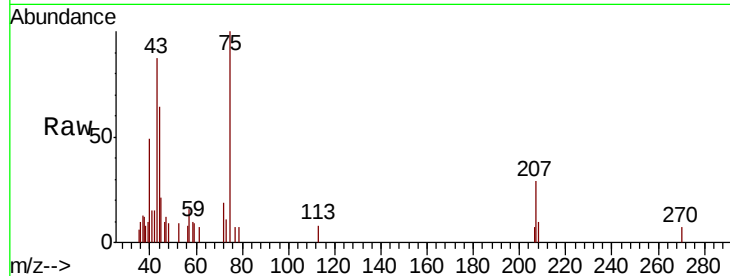




#25
2-Butanone
Concen: 1.262 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017443.D
Acq: 20 Jul 2020 18:44

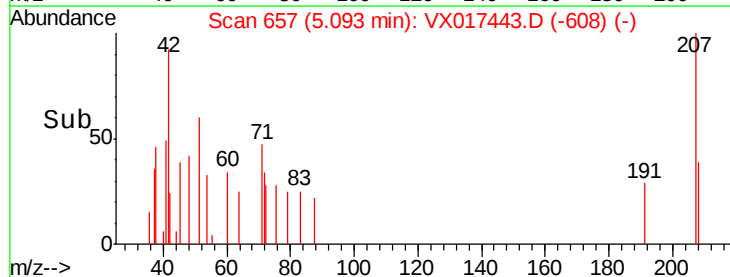
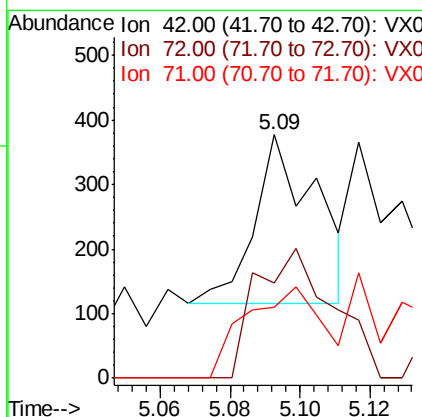
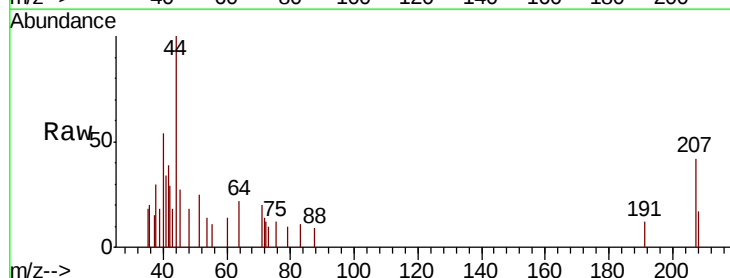
Instrument :
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ClientSampleId :
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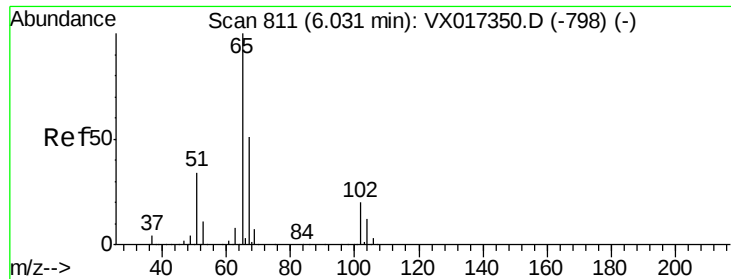
Tot Ion: 43 Resp: 2250
Ion Ratio Lower Upper
43 100
72 24.9 20.4 30.6



#29
Tetrahydrofuran
Concen: 0.279 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX017443.D
Acq: 20 Jul 2020 18:44

Tgt Ion: 42 Resp: 322
Ion Ratio Lower Upper
42 100
72 94.7 37.2 55.8#
71 67.1 34.4 51.6#

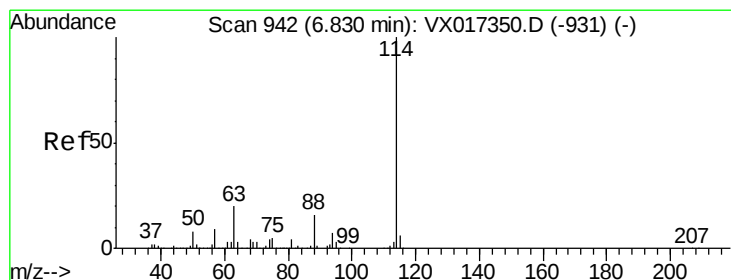
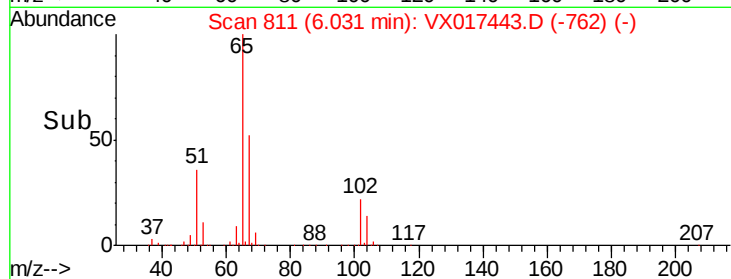
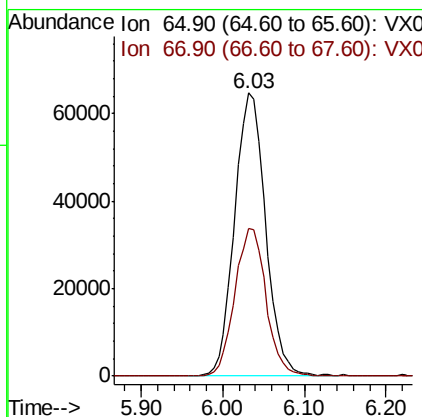
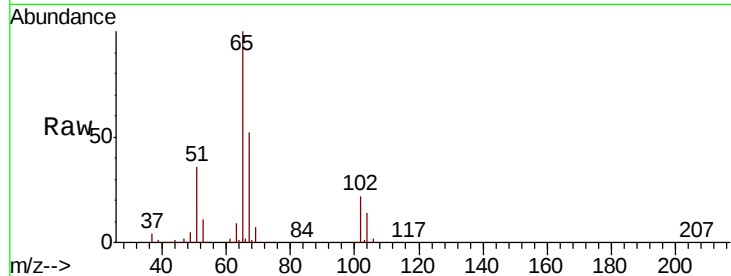




#33
 1,2-Dichloroethane-d4
 Concen: 54.184 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX017443.D
 Acq: 20 Jul 2020 18:44

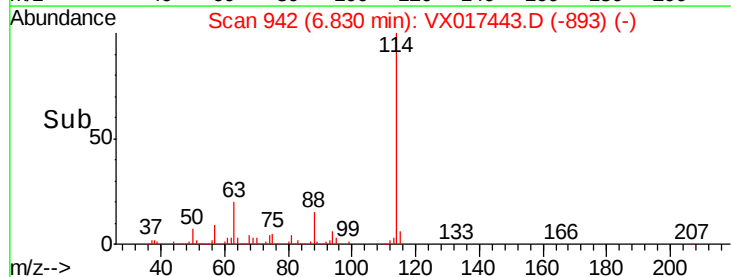
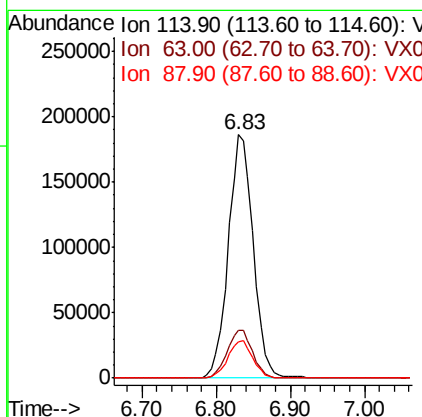
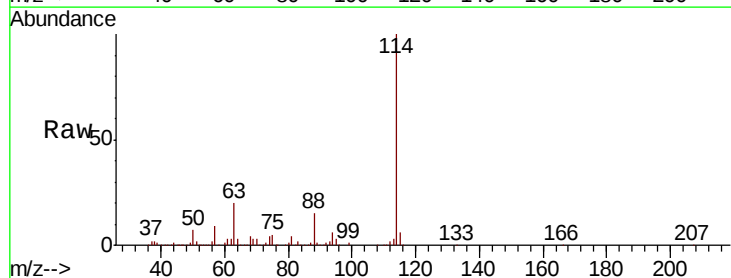
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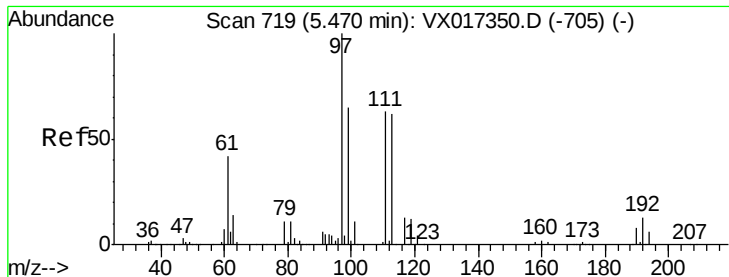
Tot Ion: 65 Resp: 170520
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017443.D
 Acq: 20 Jul 2020 18:44

Tgt Ion: 114 Resp: 435455
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 14.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.868 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017443.D

Acq: 20 Jul 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

AU-05-071720

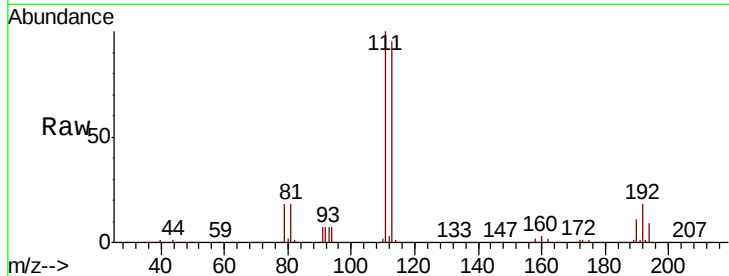
Tot Ion:113 Resp: 149212

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

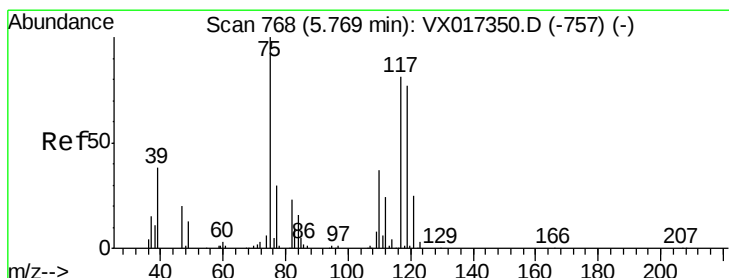
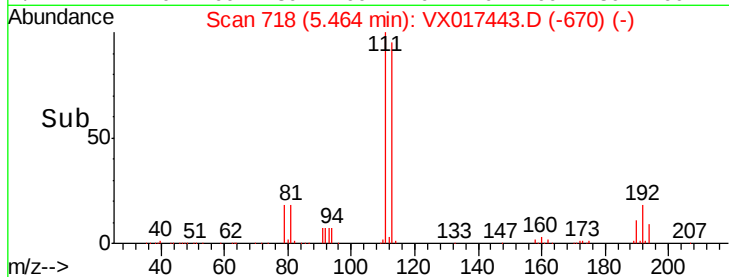
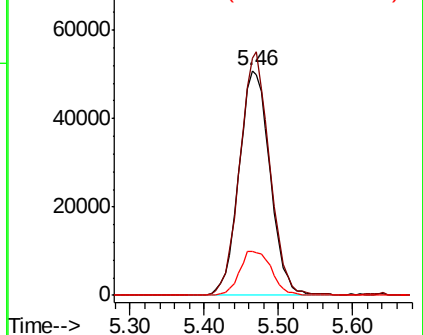
192 20.2 17.2 25.8



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: 4.777 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017443.D

Acq: 20 Jul 2020 18:44

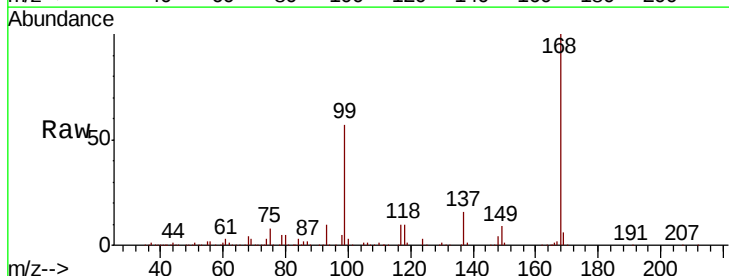
Tgt Ion: 75 Resp: 19134

Ion Ratio Lower Upper

75 100

110 10.6 18.6 55.8#

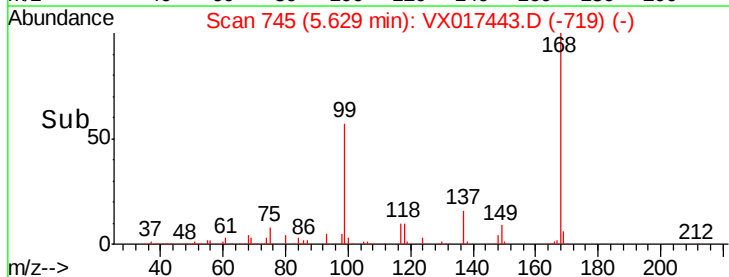
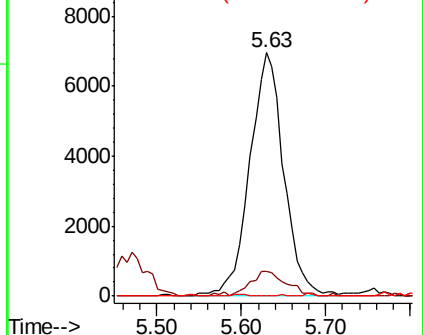
77 0.1 24.9 37.3#

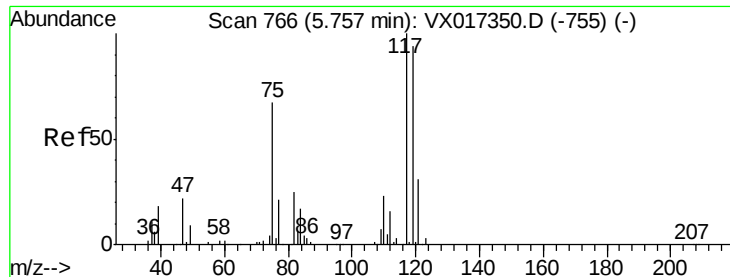


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.459 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017443.D

Acq: 20 Jul 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

AU-05-071720

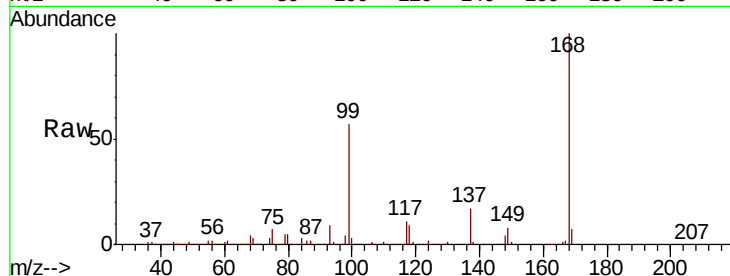
Tot Ion:117 Resp: 25599

Ion Ratio Lower Upper

117 100

119 5.9 74.7 112.1#

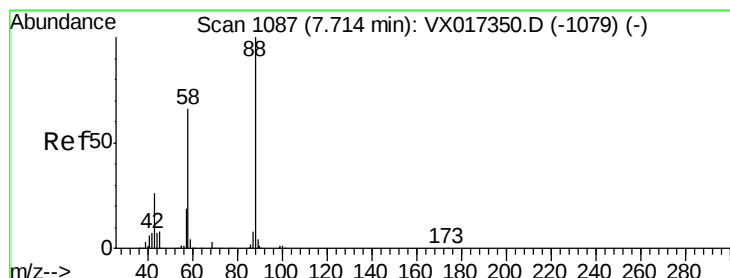
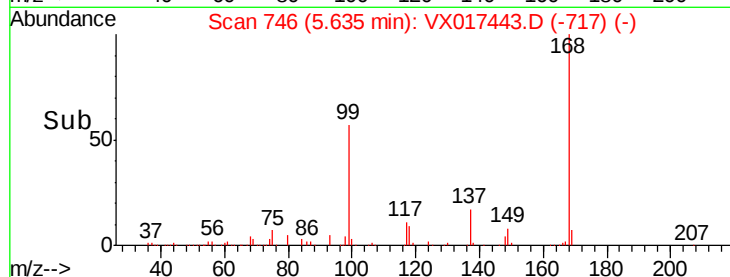
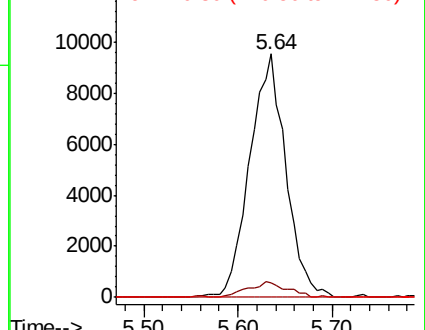
121 0.0 24.5 36.7#



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: 0.431 ug/l

RT: 7.76 min Scan# 1095

Delta R.T. 0.05 min

Lab File: VX017443.D

Acq: 20 Jul 2020 18:44

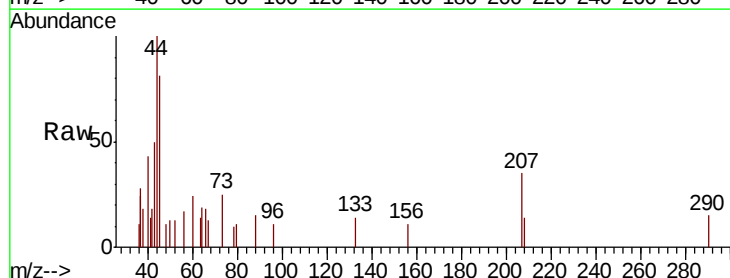
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 432.1 25.6 38.4#

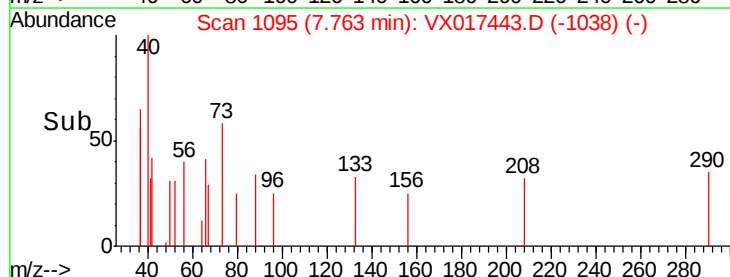
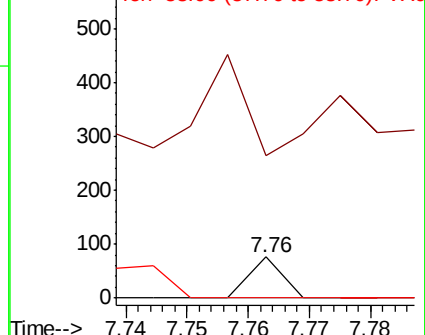
58 150.0 53.9 80.9#

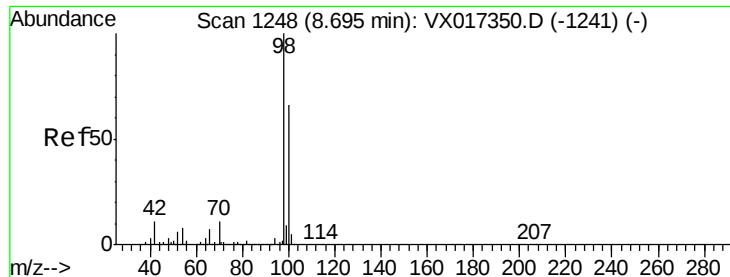


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.337 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017443.D

Acq: 20 Jul 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

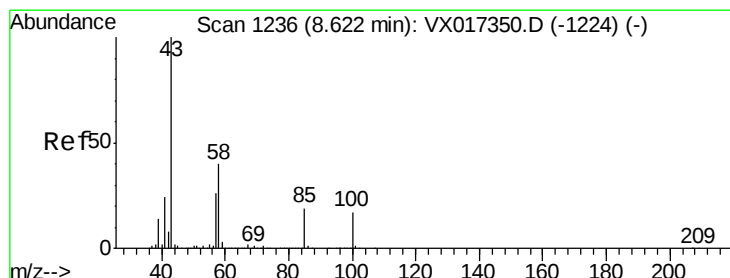
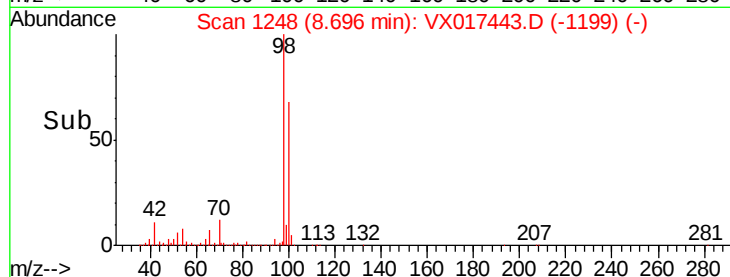
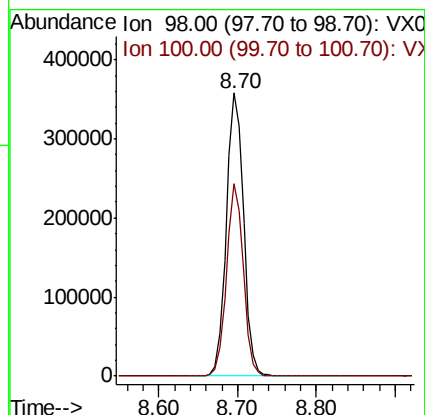
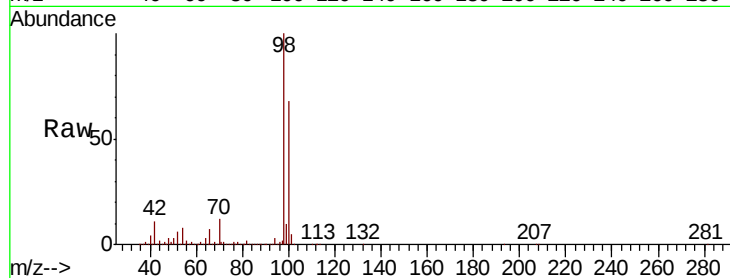
AU-05-071720

Tot Ion: 98 Resp: 543187

Ion Ratio Lower Upper

98 100

100 66.0 53.4 80.2



#51

4-Methyl-2-Pentanone

Concen: 0.628 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017443.D

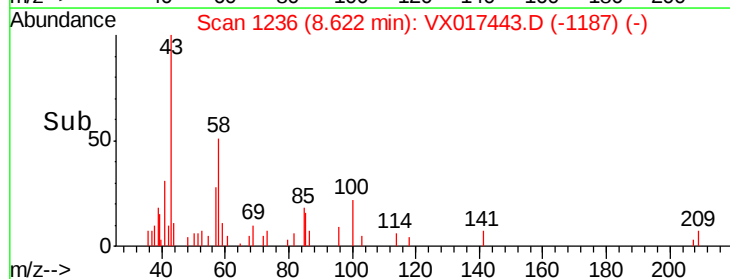
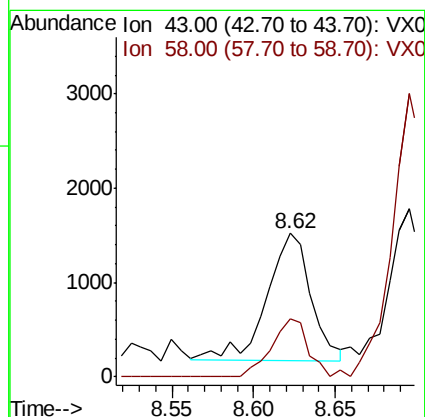
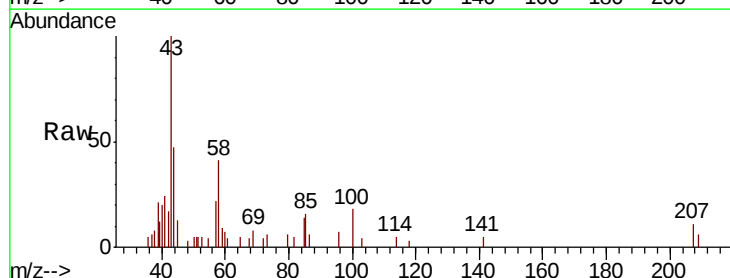
Acq: 20 Jul 2020 18:44

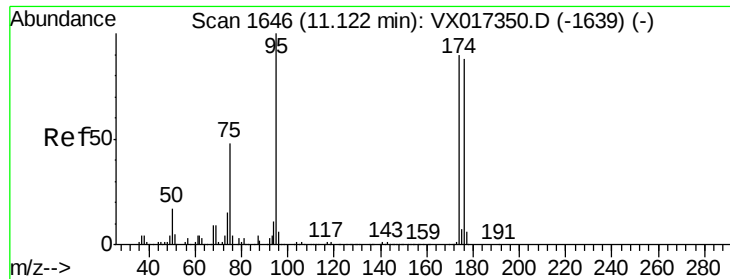
Tgt Ion: 43 Resp: 2534

Ion Ratio Lower Upper

43 100

58 38.2 32.2 48.2





#62

4-Bromofluorobenzene

Concen: 55.262 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017443.D

Acq: 20 Jul 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

AU-05-071720

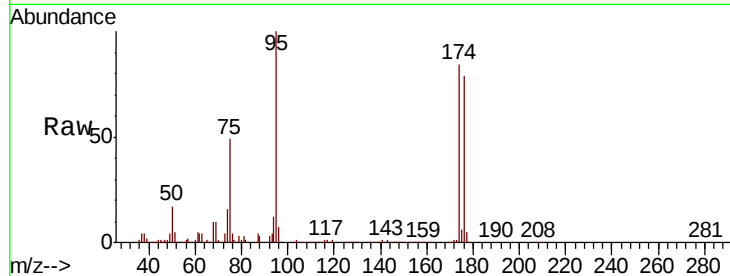
Tot Ion: 95 Resp: 232262

Ion Ratio Lower Upper

95 100

174 83.5 0.0 175.8

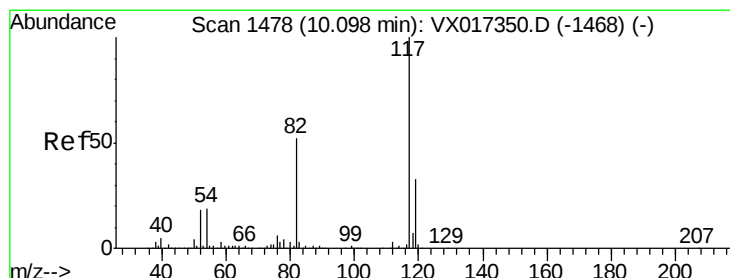
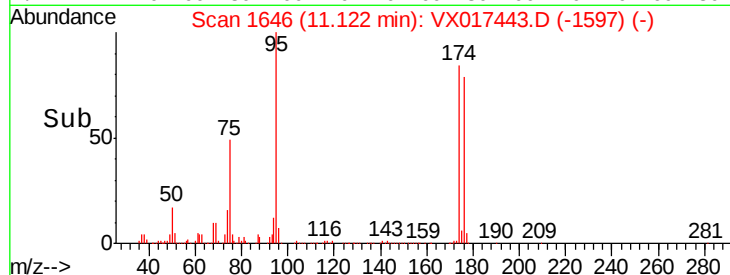
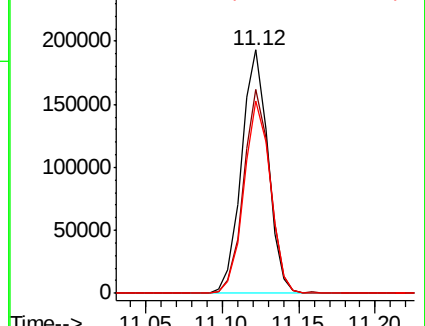
176 79.4 0.0 164.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX017443.D

Acq: 20 Jul 2020 18:44

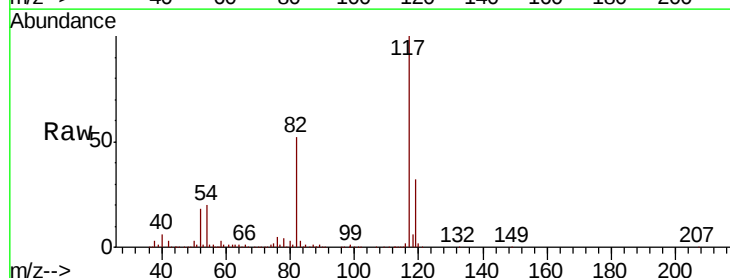
Tgt Ion: 117 Resp: 466211

Ion Ratio Lower Upper

117 100

82 52.2 42.0 63.0

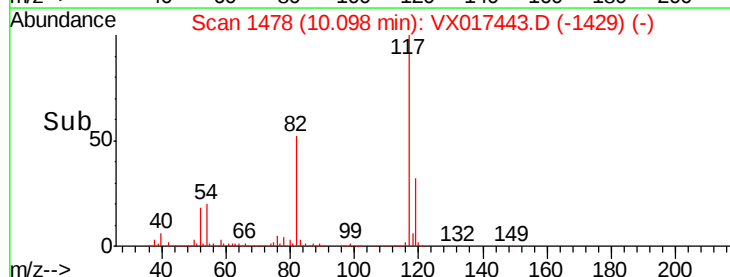
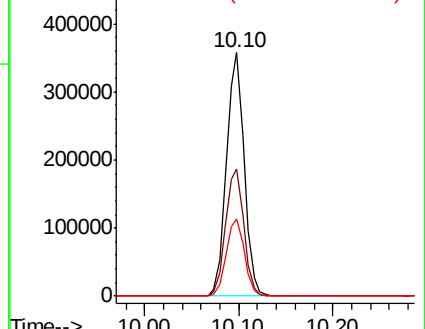
119 31.8 26.3 39.5

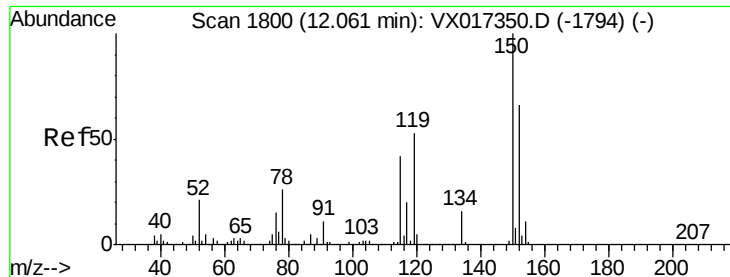


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017443.D

Acq: 20 Jul 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

AU-05-071720

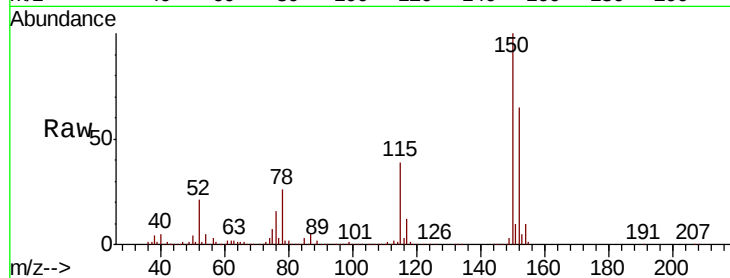
Tot Ion:152 Resp: 252220

Ion Ratio Lower Upper

152 100

115 58.6 39.9 119.7

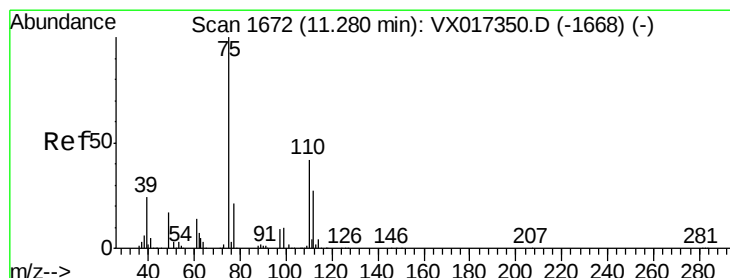
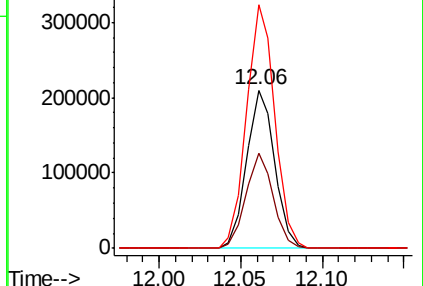
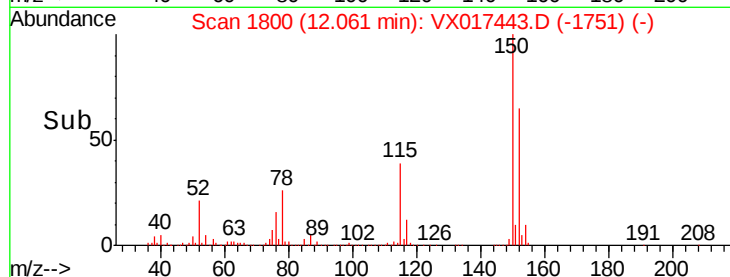
150 155.3 0.0 343.4



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: 24.530 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017443.D

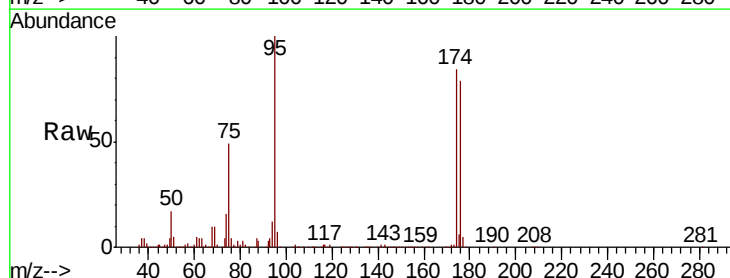
Acq: 20 Jul 2020 18:44

Tgt Ion: 75 Resp: 114325

Ion Ratio Lower Upper

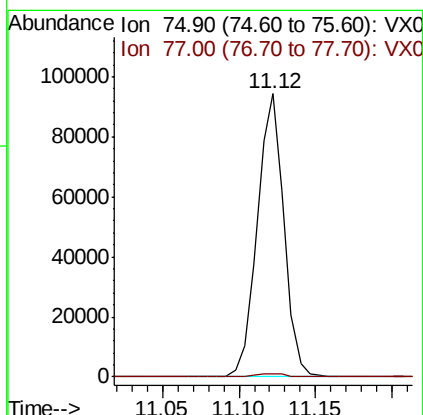
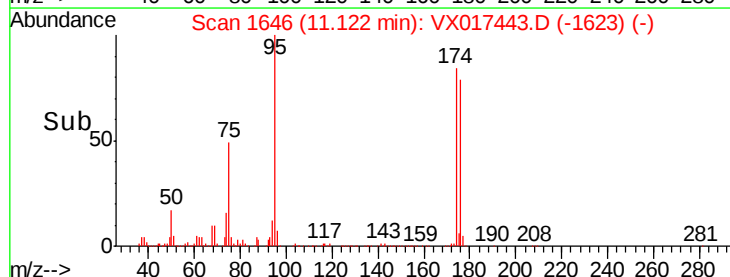
75 100

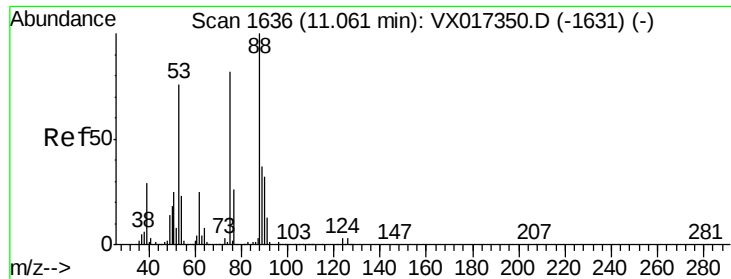
77 1.4 20.3 60.9#



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: 62.227 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017443.D
 Acq: 20 Jul 2020 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-05-071720

Tot Ion: 75 Resp: 114325
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.5 114.7#
 89 0.0 38.1 57.1#

