

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072020\
 Data File : VX017444.D
 Acq On : 20 Jul 2020 19:07
 Operator : JC/SP
 Sample : L3177-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-05-071720

Quant Time: Jul 21 02:06:22 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	5.63	168	239502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	427623	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	475386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	254014	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	168523	56.06	ug/l	0.00
Spiked Amount			Recovery	=	112.12%	
35) Dibromofluoromethane	5.46	113	145640	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
50) Toluene-d8	8.70	98	549751	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	
62) 4-Bromofluorobenzene	11.12	95	234828	56.90	ug/l	0.00
Spiked Amount			Recovery	=	113.80%	

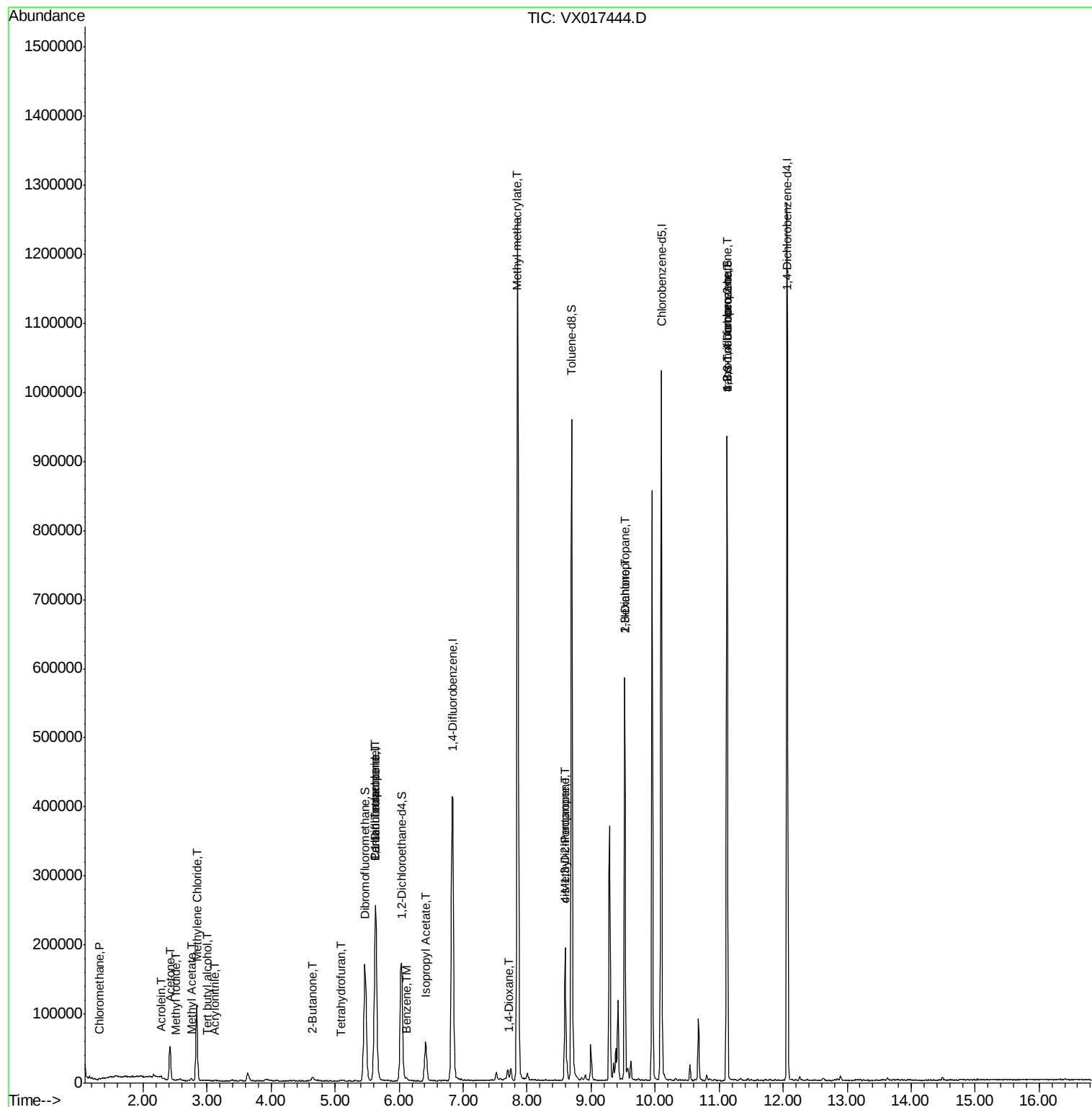
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	485	0.213	ug/l #	76
10) Methyl Iodide	2.51	142	67	2.396	ug/l #	64
11) Tert butyl alcohol	3.01	59	1440	2.843	ug/l #	72
13) Acrolein	2.28	56	687	2.475	ug/l	85
15) Acrylonitrile	3.12	53	349	0.284	ug/l #	27
16) Acetone	2.42	43	51848	48.348	ug/l	97
18) Methyl Acetate	2.76	43	3442	1.299	ug/l	95
20) Methylene Chloride	2.84	84	49366	18.867	ug/l	99
25) 2-Butanone	4.65	43	6745	3.960	ug/l #	89
29) Tetrahydrofuran	5.09	42	903	0.819	ug/l #	51
36) 1,1-Dichloropropene	5.63	75	18688	4.751	ug/l #	48
38) Carbon Tetrachloride	5.63	117	24753	5.375	ug/l #	17
40) Benzene	6.11	78	3741	0.331	ug/l	91
43) Isopropyl Acetate	6.42	43	74038	11.391	ug/l	100
48) Methyl methacrylate	7.85	41	104500	33.503	ug/l #	43
49) 1,4-Dioxane	7.72	88	22	0.345	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	71852	18.129	ug/l #	44
54) cis-1,3-Dichloropropene	8.60	75	30832	6.153	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	4483	0.891	ug/l #	50
59) 2-Hexanone	9.52	43	61539	20.573	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	116026	24.719	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	116026	62.707	ug/l #	11

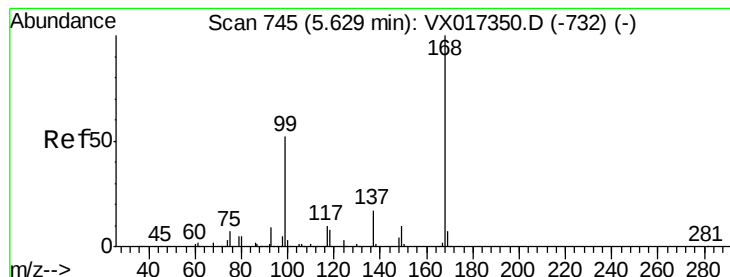
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072020\
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Quant Time: Jul 21 02:06:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
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: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

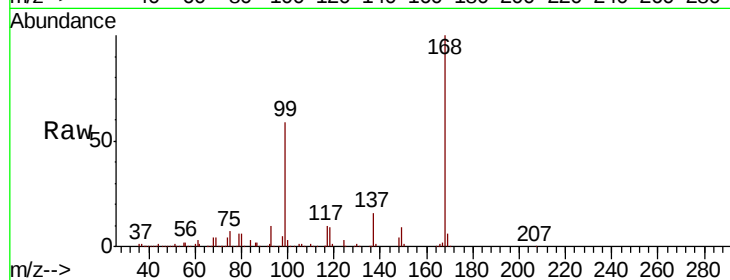
AU-05-071720

Tot Ion:168 Resp: 239502

Ion Ratio Lower Upper

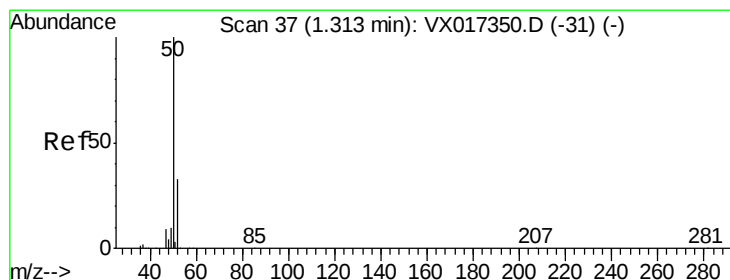
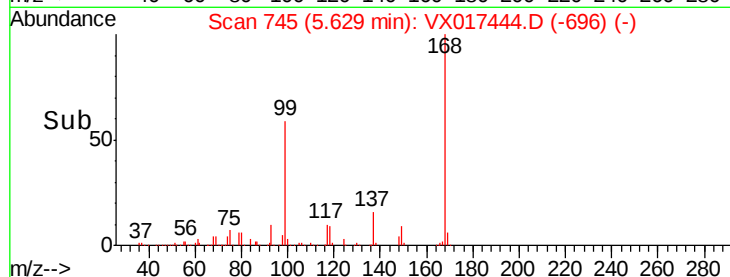
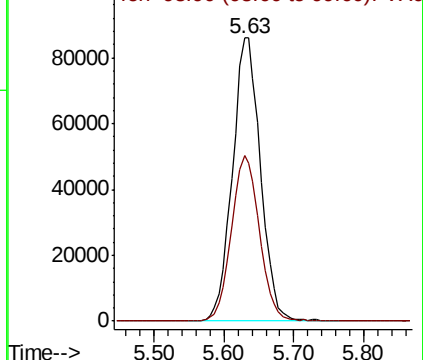
168 100

99 58.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.213 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017444.D

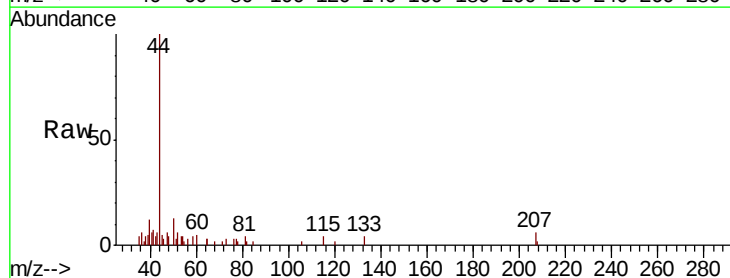
Acq: 20 Jul 2020 19:07

Tgt Ion: 50 Resp: 485

Ion Ratio Lower Upper

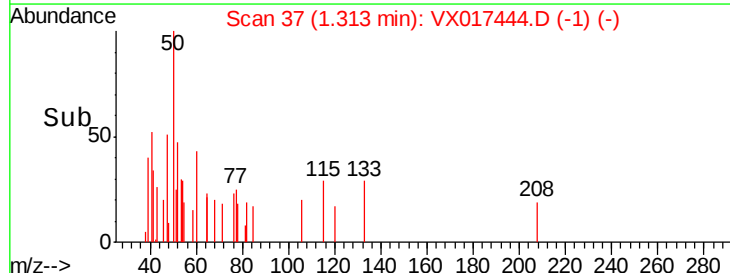
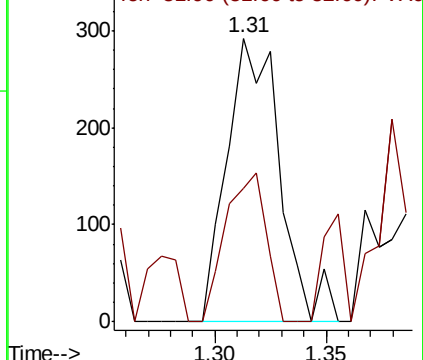
50 100

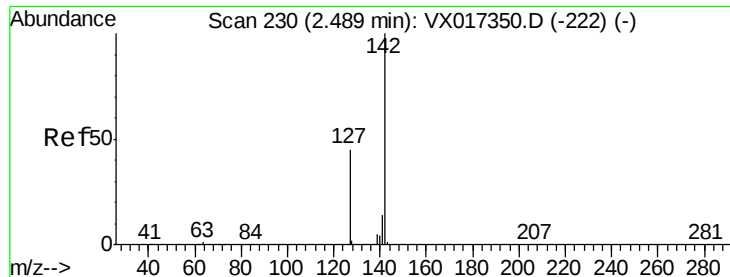
52 46.9 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

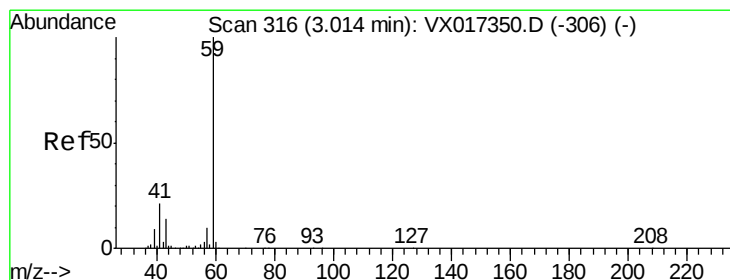
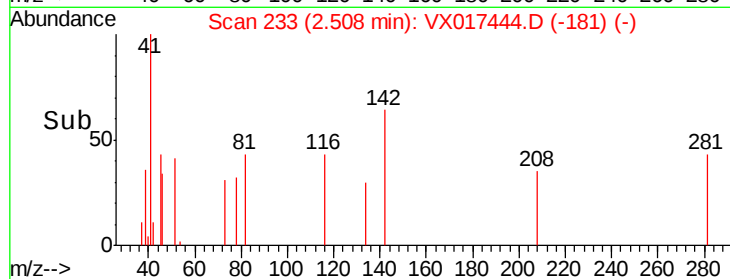
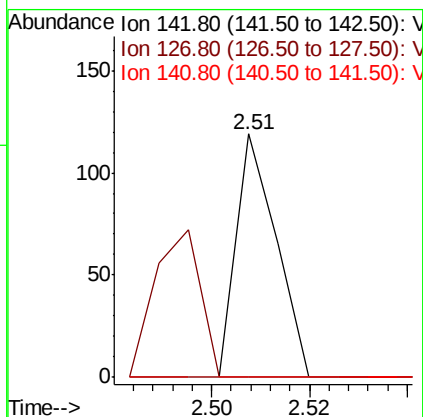
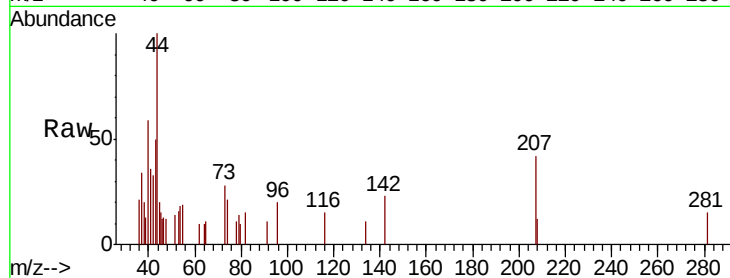




#10
Methyl Iodide
Concen: 2.396 ug/l
RT: 2.51 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX017444.D
Acq: 20 Jul 2020 19:07

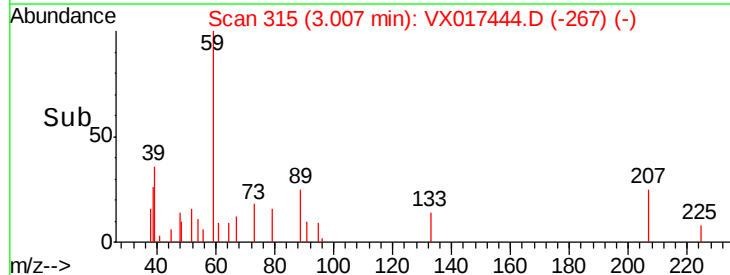
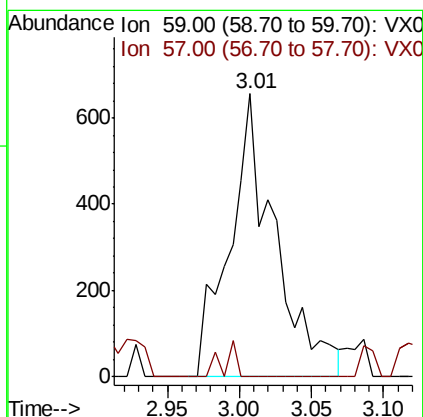
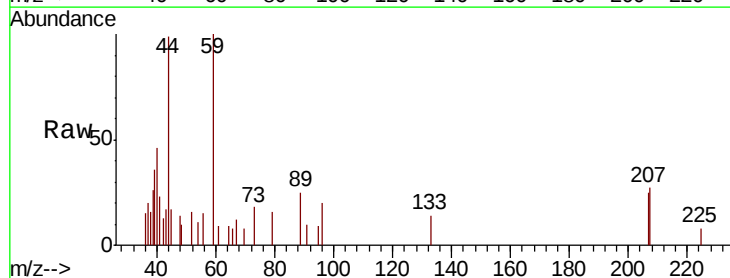
Instrument :
MSVOA_X
ClientSampled :
AU-05-071720

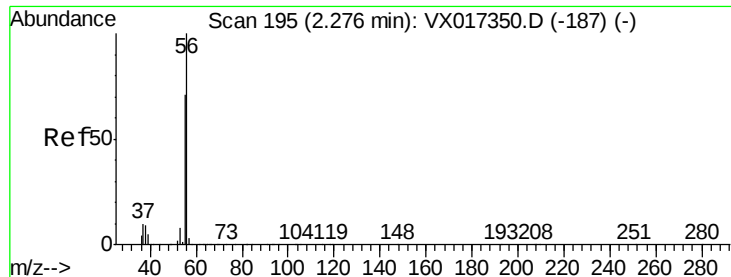
Tot Ion:142 Resp: 67
Ion Ratio Lower Upper
142 100
127 70.1 36.8 55.2#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.843 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017444.D
Acq: 20 Jul 2020 19:07

Tgt Ion: 59 Resp: 1440
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 2.475 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

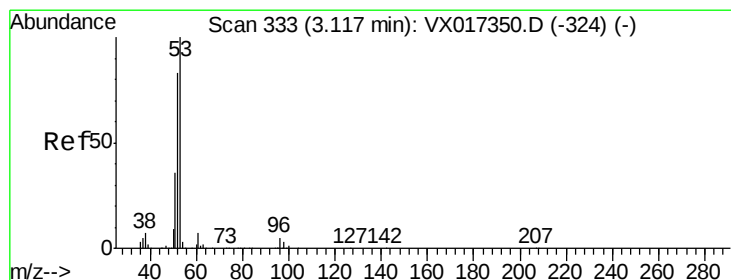
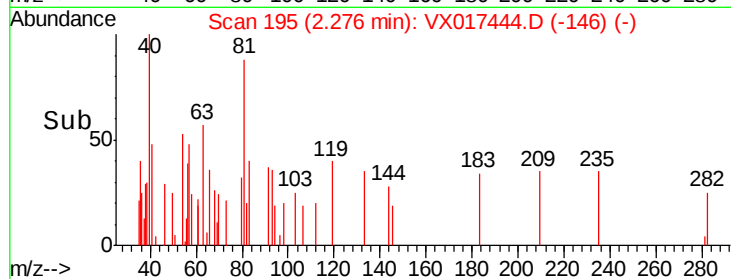
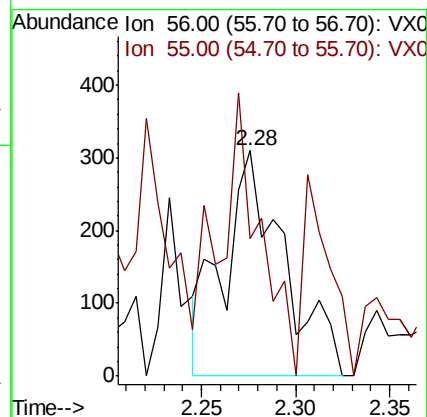
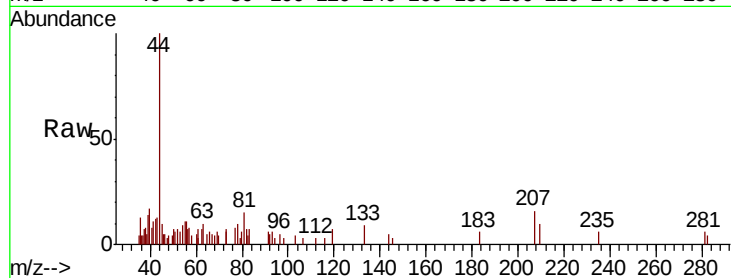
AU-05-071720

Tot Ion: 56 Resp: 687

Ion Ratio Lower Upper

56 100

55 83.8 57.1 85.7



#15

Acrylonitrile

Concen: 0.284 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

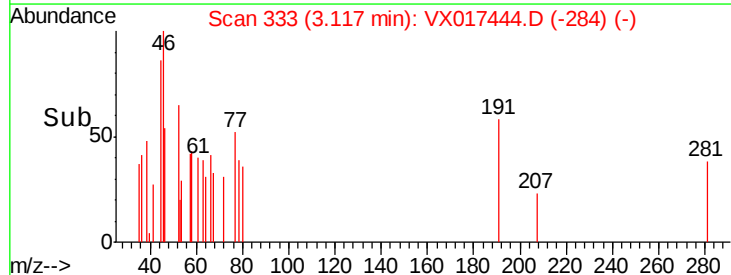
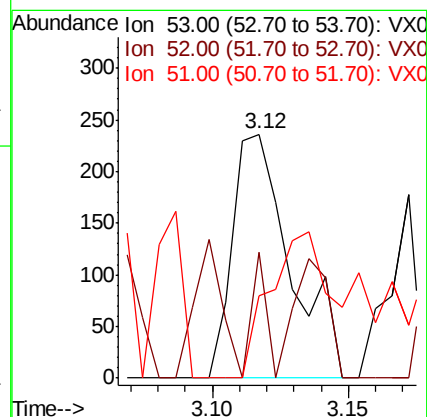
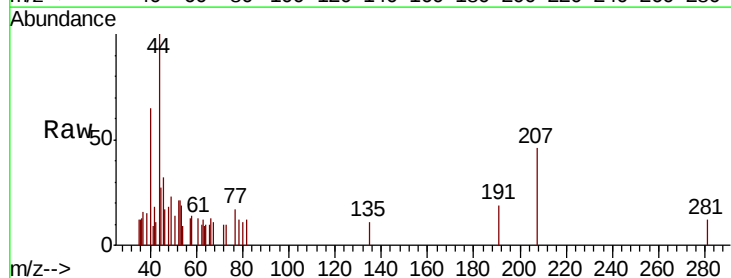
Tgt Ion: 53 Resp: 349

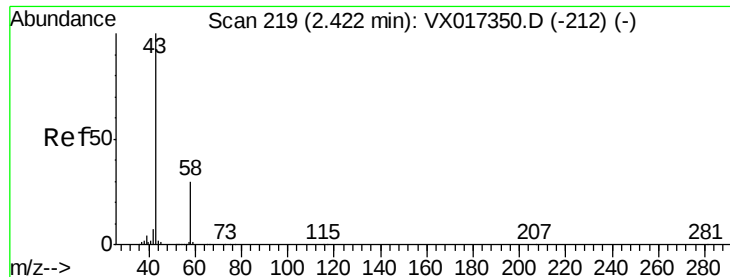
Ion Ratio Lower Upper

53 100

52 12.9 65.8 98.6#

51 0.0 29.2 43.8#





#16

Acetone

Concen: 48.348 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

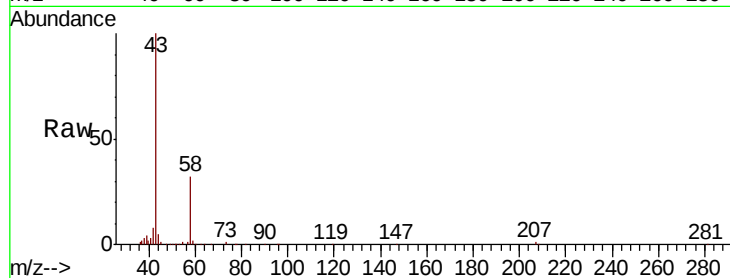
AU-05-071720

Tot Ion: 43 Resp: 51848

Ion Ratio Lower Upper

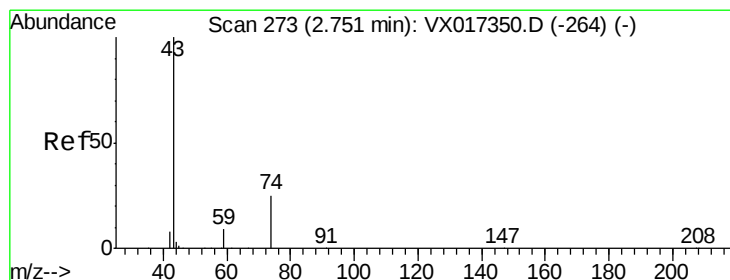
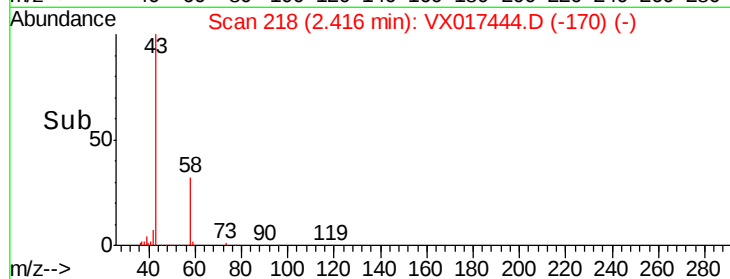
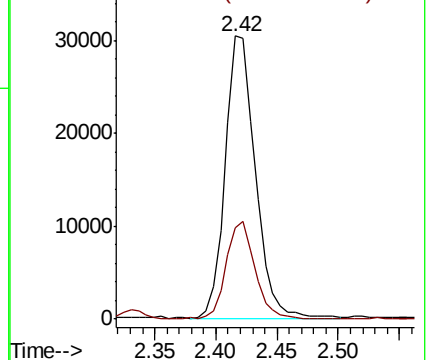
43 100

58 32.0 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.299 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX017444.D

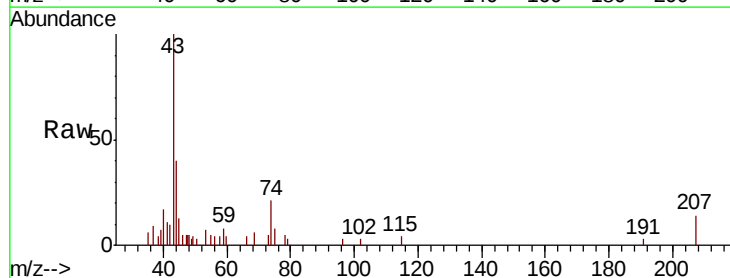
Acq: 20 Jul 2020 19:07

Tgt Ion: 43 Resp: 3442

Ion Ratio Lower Upper

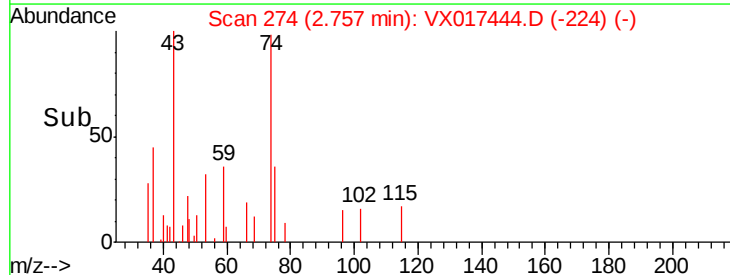
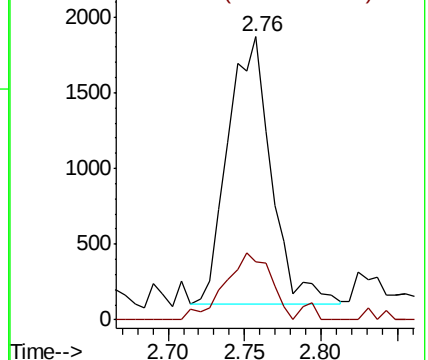
43 100

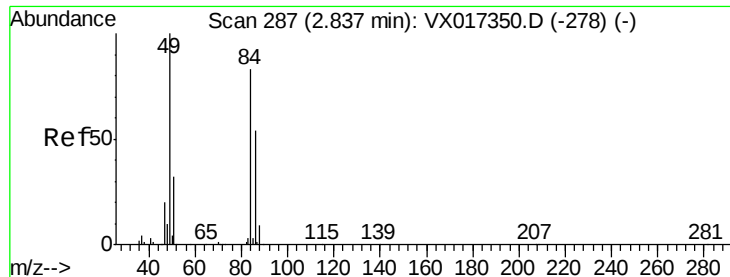
74 26.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 18.867 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

AU-05-071720

Tot Ion: 84 Resp: 49366

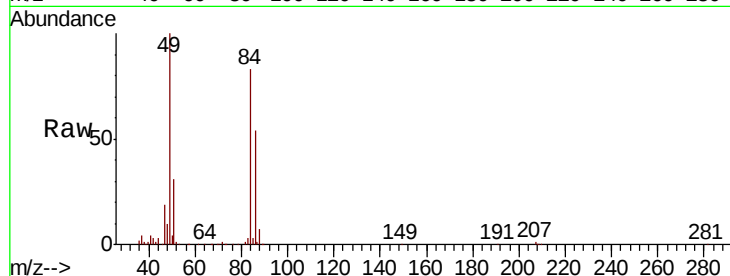
Ion Ratio Lower Upper

84 100

49 121.1 95.8 143.8

51 38.1 31.0 46.4

86 65.3 51.8 77.8

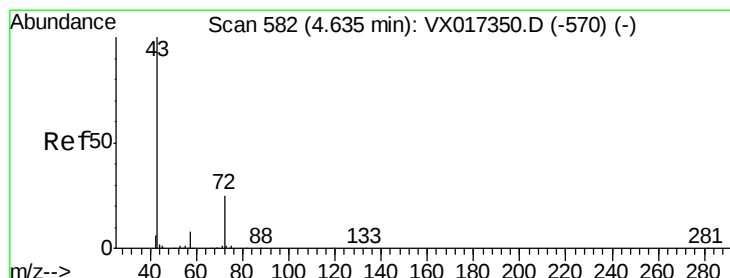
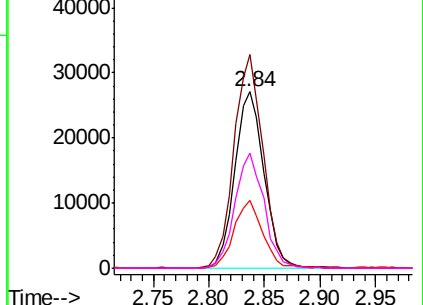
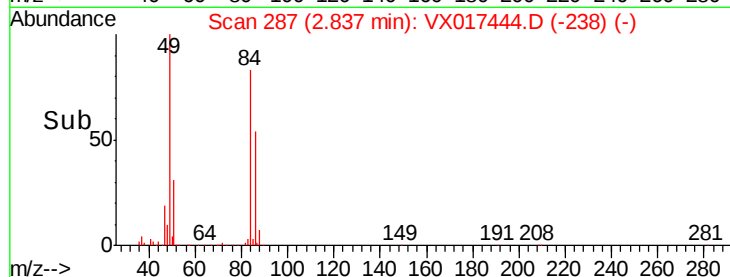


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 3.960 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017444.D

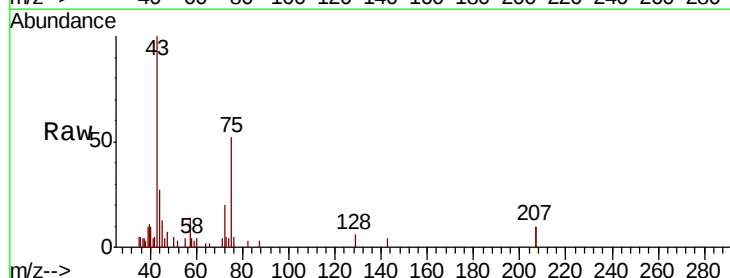
Acq: 20 Jul 2020 19:07

Tgt Ion: 43 Resp: 6745

Ion Ratio Lower Upper

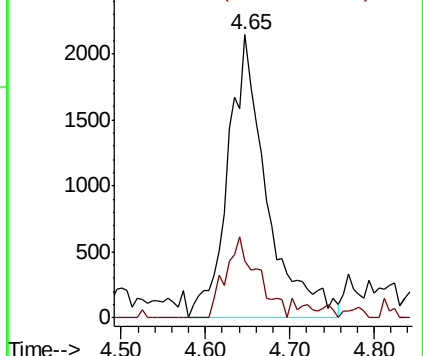
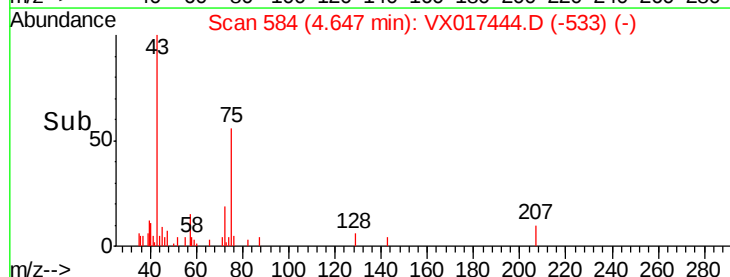
43 100

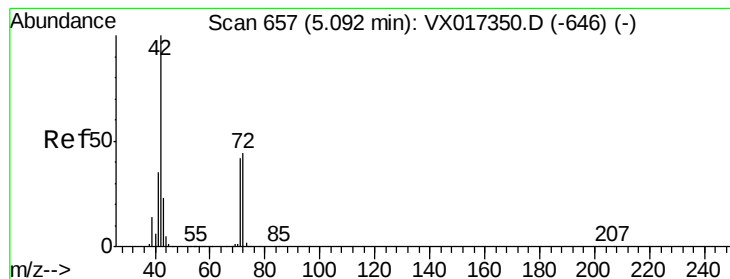
72 20.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.819 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

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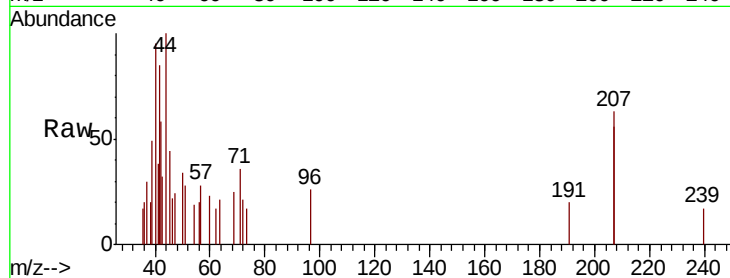
Tot Ion: 42 Resp: 903

Ion Ratio Lower Upper

42 100

72 24.8 37.2 55.8#

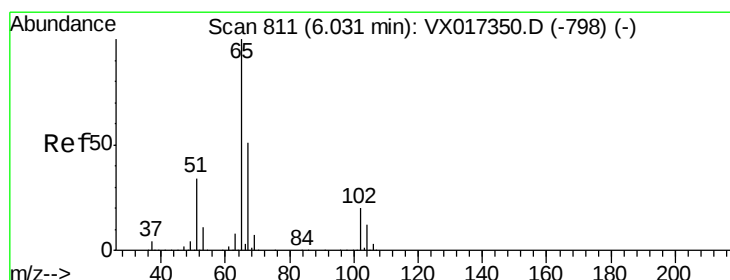
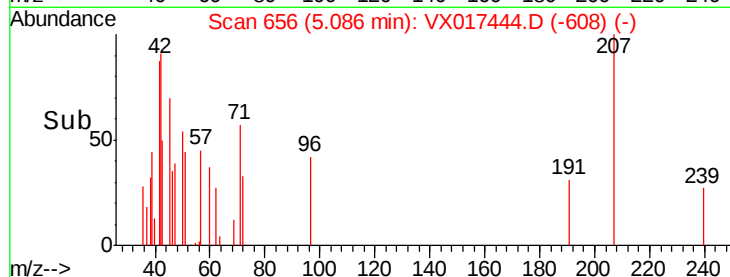
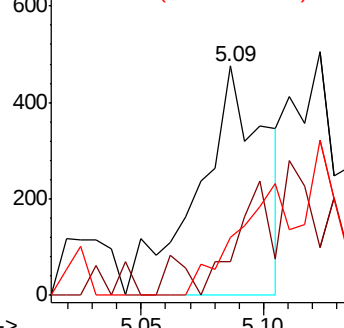
71 0.0 34.4 51.6#



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



#33

1,2-Dichloroethane-d4

Concen: 56.063 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017444.D

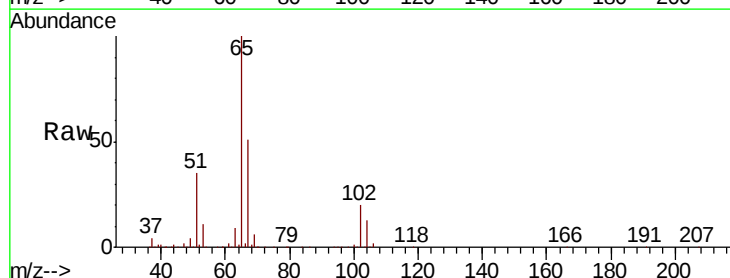
Acq: 20 Jul 2020 19:07

Tgt Ion: 65 Resp: 168523

Ion Ratio Lower Upper

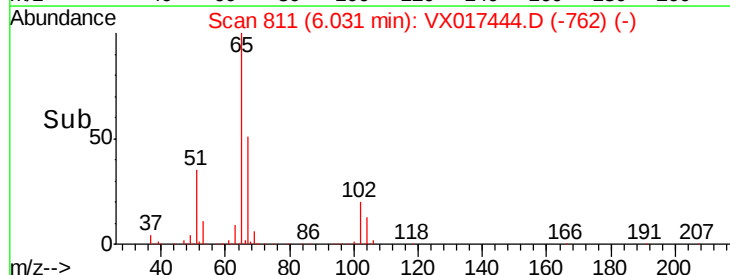
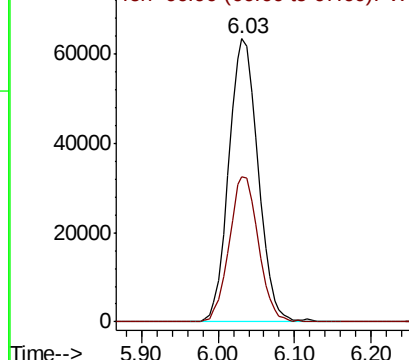
65 100

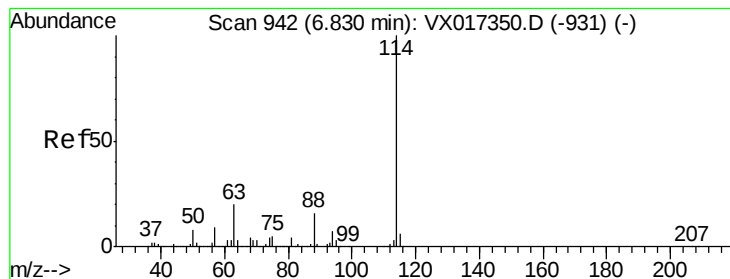
67 51.2 0.0 101.6



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: VX017444.D

Acq: 20 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

AU-05-071720

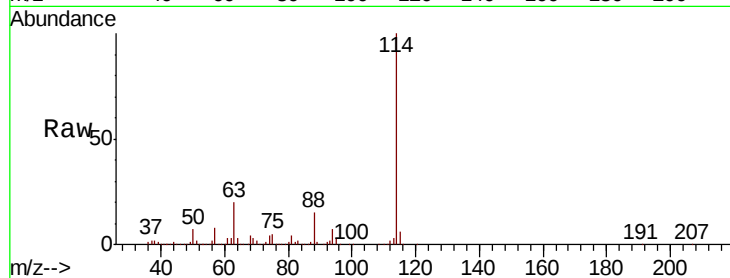
Tot Ion:114 Resp: 427623

Ion Ratio Lower Upper

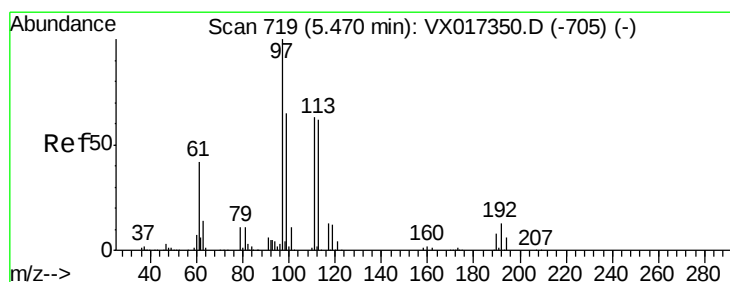
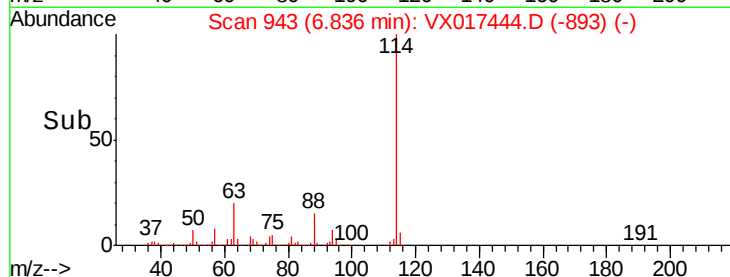
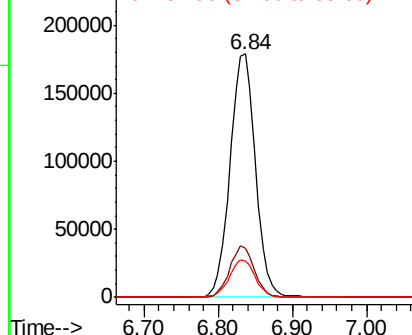
114 100

63 20.1 0.0 40.0

88 14.9 0.0 32.8



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: 50.560 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

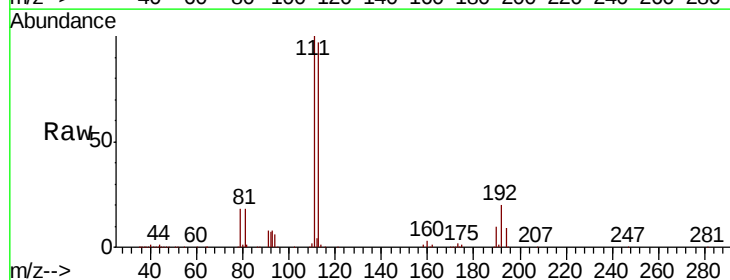
Tgt Ion:113 Resp: 145640

Ion Ratio Lower Upper

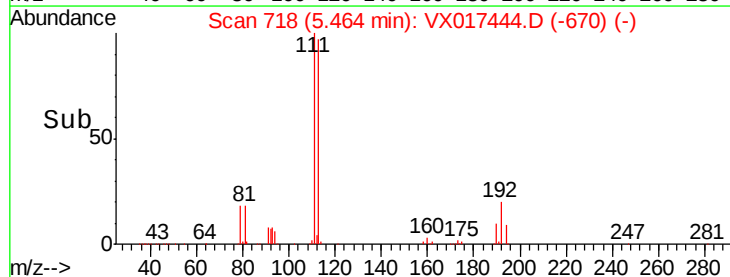
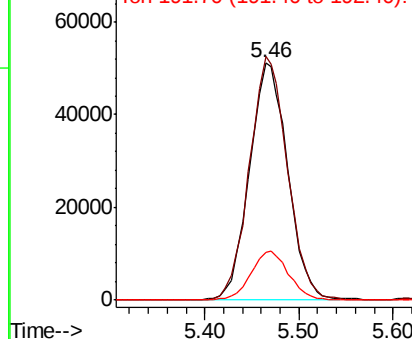
113 100

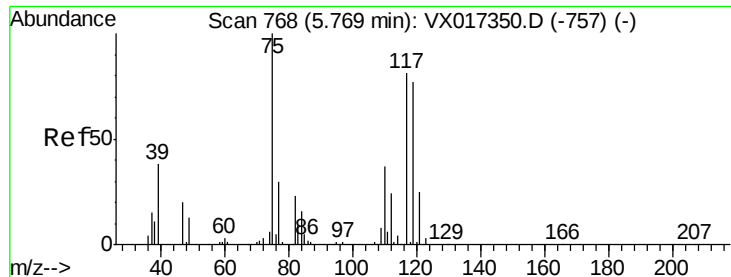
111 102.1 82.4 123.6

192 20.4 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

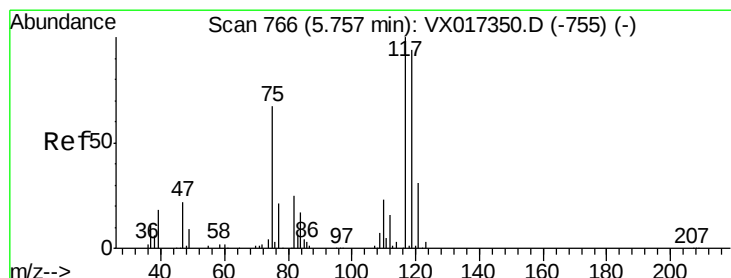
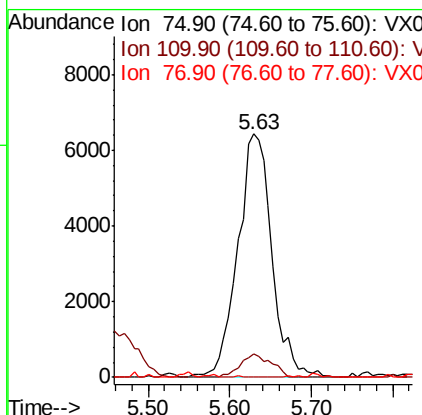
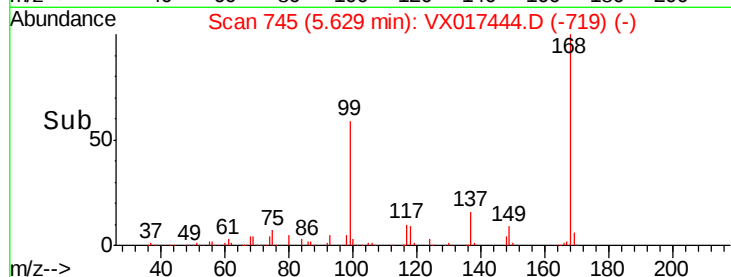
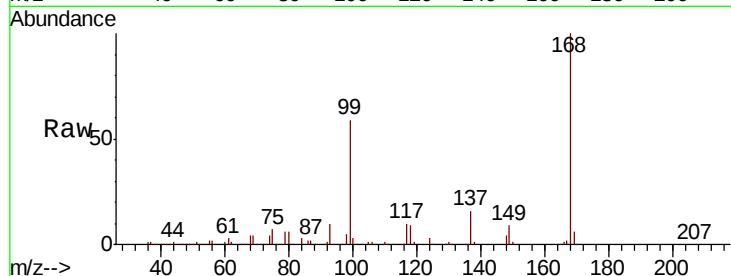




#36
 1,1-Dichloropropene
 Concen: 4.751 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017444.D
 Acq: 20 Jul 2020 19:07

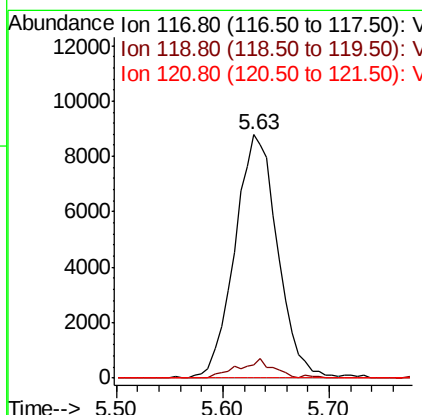
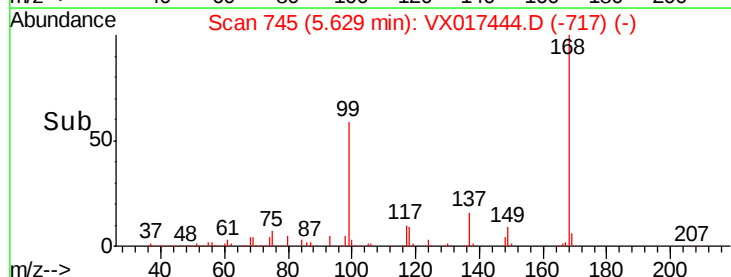
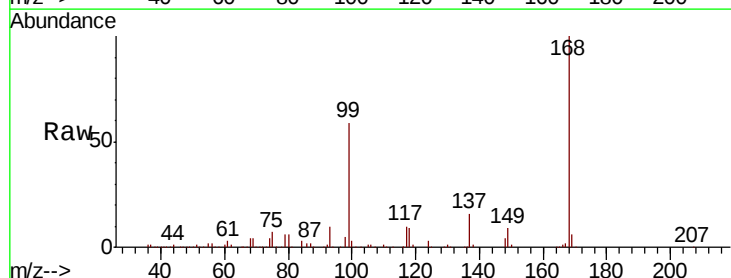
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-05-071720

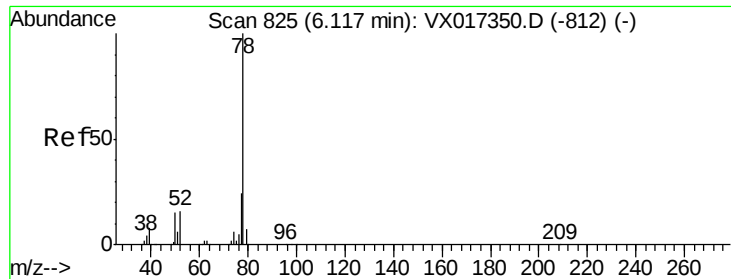
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.6	55.8#
77	0.1	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.375 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX017444.D
 Acq: 20 Jul 2020 19:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	74.7	112.1#
121	0.0	24.5	36.7#





#40

Benzene

Concen: 0.331 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

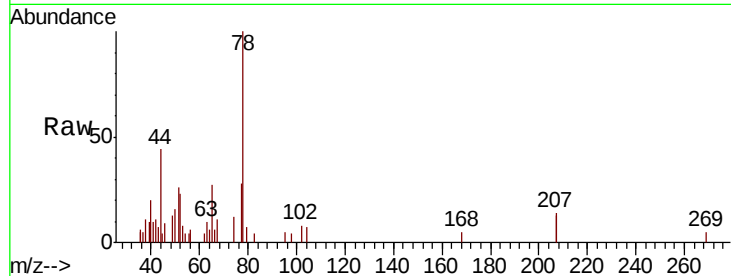
AU-05-071720

Tot Ion: 78 Resp: 3741

Ion Ratio Lower Upper

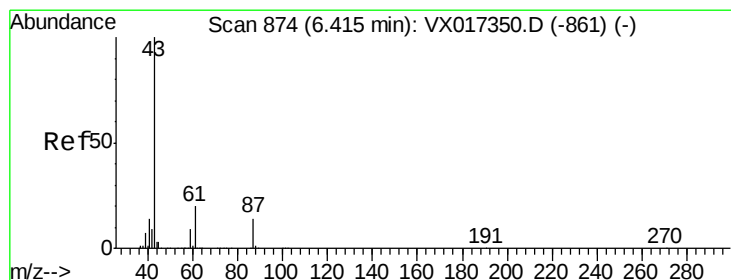
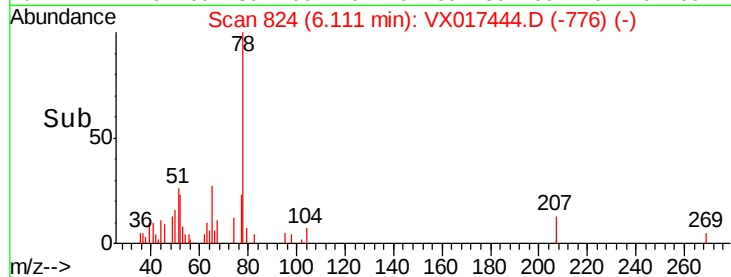
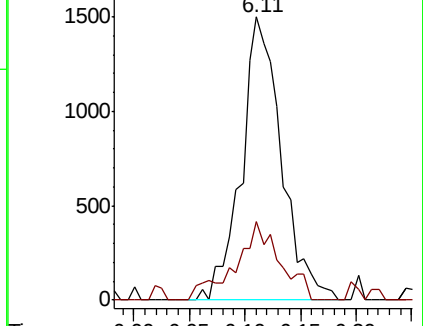
78 100

77 27.8 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#43

Isopropyl Acetate

Concen: 11.391 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

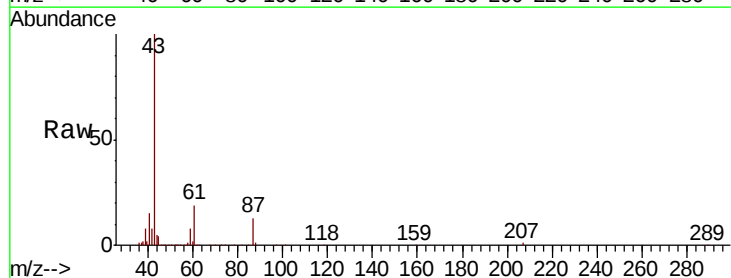
Tgt Ion: 43 Resp: 74038

Ion Ratio Lower Upper

43 100

61 20.6 16.4 24.6

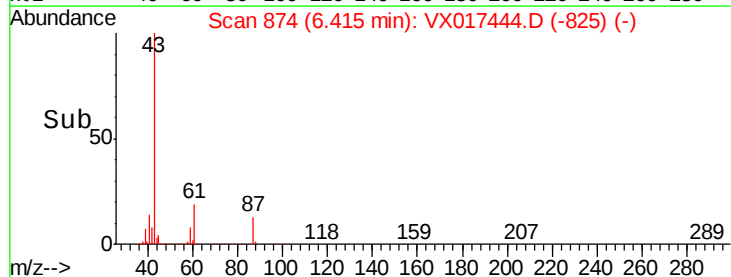
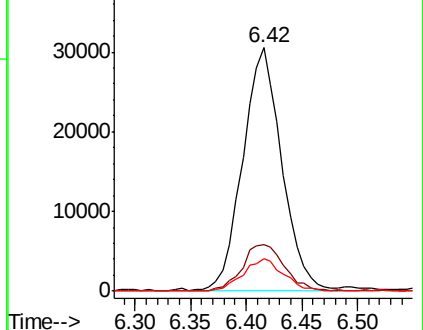
87 13.8 11.2 16.8

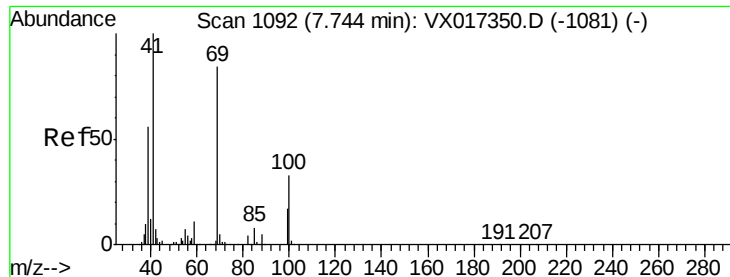


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

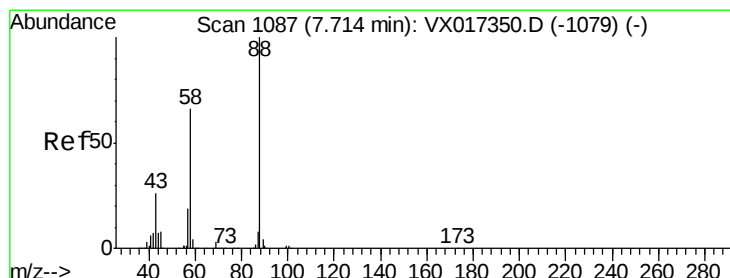
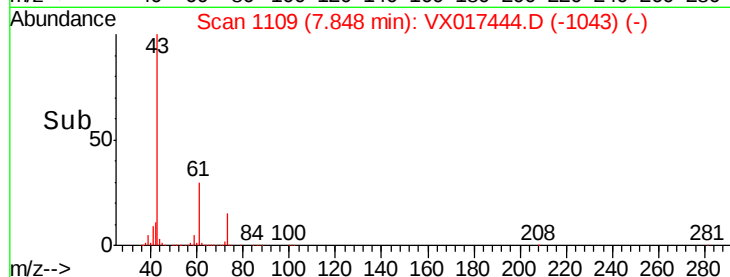
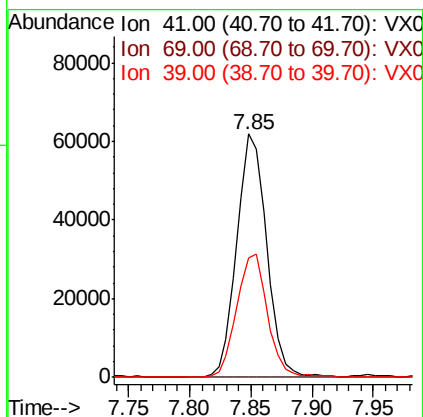
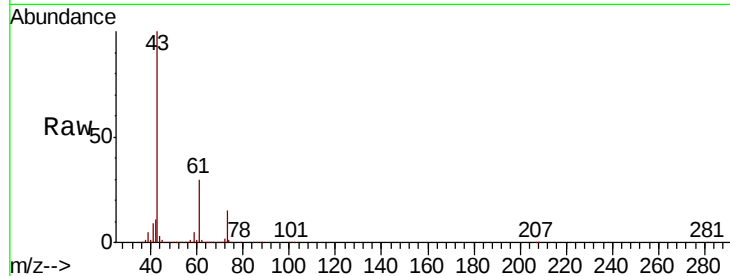




#48
Methvl methacrvlate
Concen: 33.503 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.10 min
Lab File: VX017444.D
Acq: 20 Jul 2020 19:07

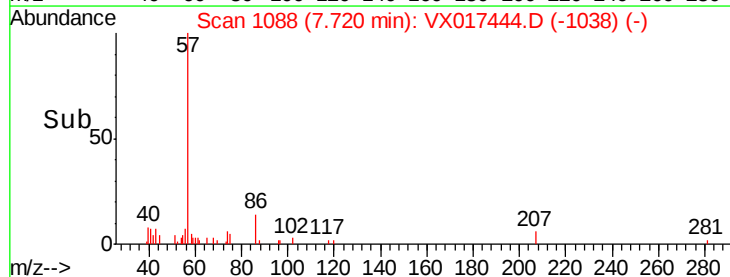
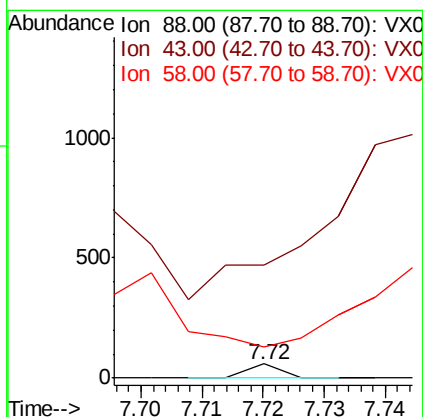
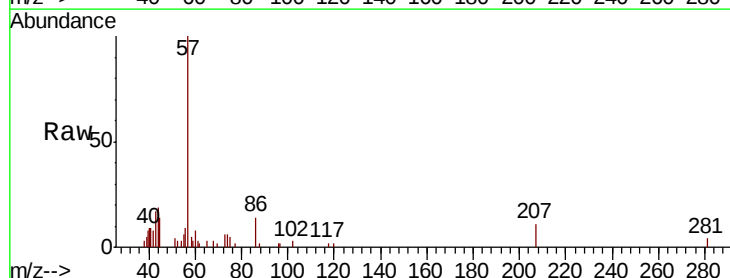
Instrument :
MSVOA_X
ClientSampleId :
AU-05-071720

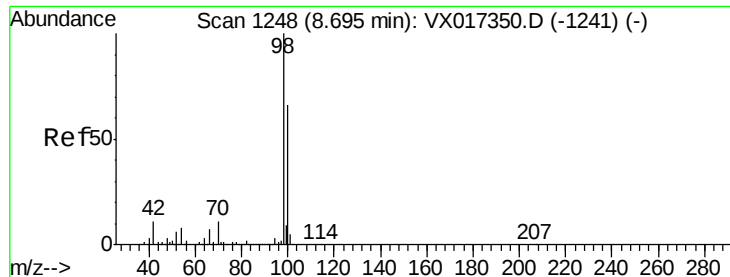
Tot Ion: 41 Resp: 104500
Ion Ratio Lower Upper
41 100
69 0.3 67.8 101.6#
39 53.1 45.1 67.7



#49
1,4-Dioxane
Concen: 0.345 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017444.D
Acq: 20 Jul 2020 19:07

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 25.6 38.4#
58 3750.0 53.9 80.9#





#50

Toluene-d8

Concen: 52.909 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

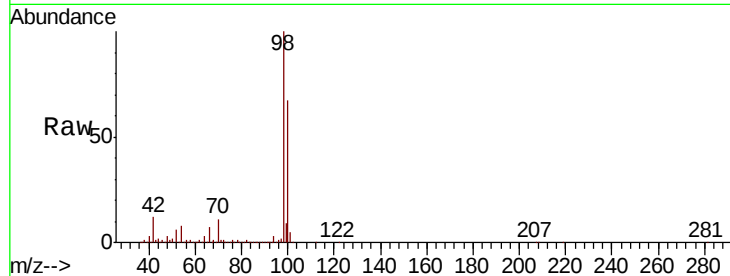
AU-05-071720

Tot Ion: 98 Resp: 549751

Ion Ratio Lower Upper

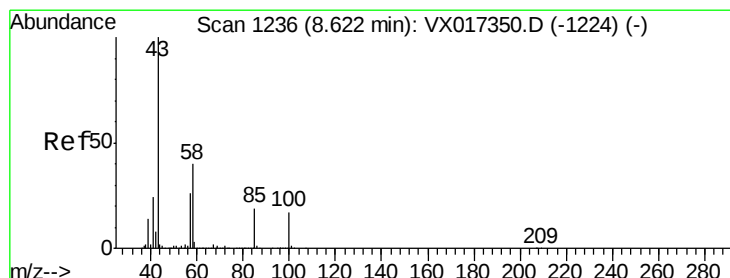
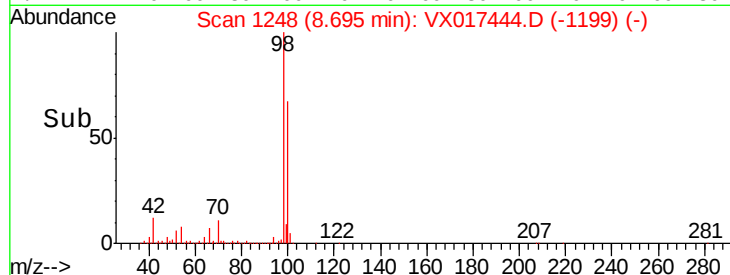
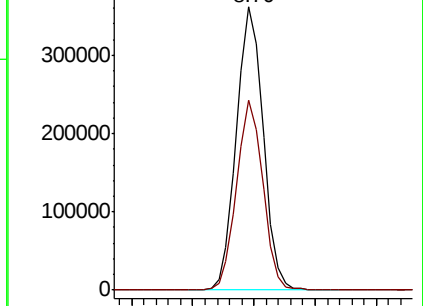
98 100

100 66.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 18.129 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX017444.D

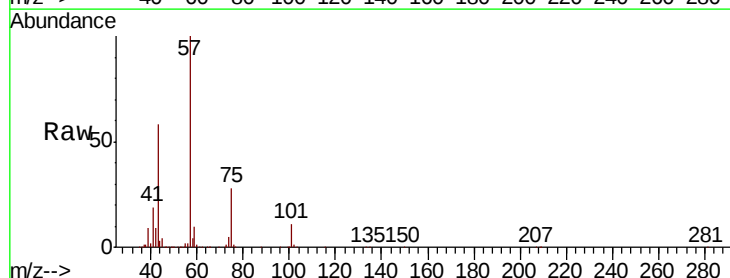
Acq: 20 Jul 2020 19:07

Tgt Ion: 43 Resp: 71852

Ion Ratio Lower Upper

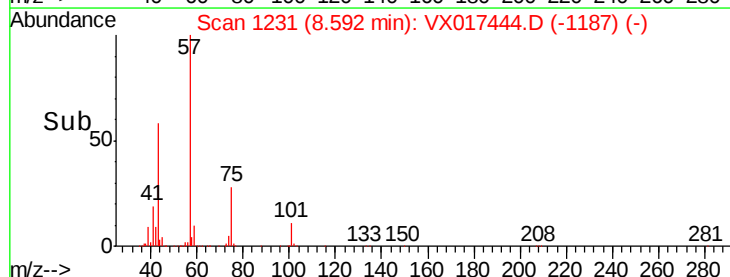
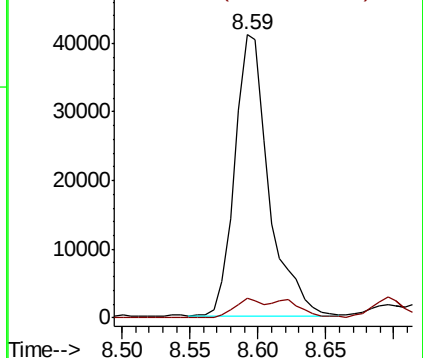
43 100

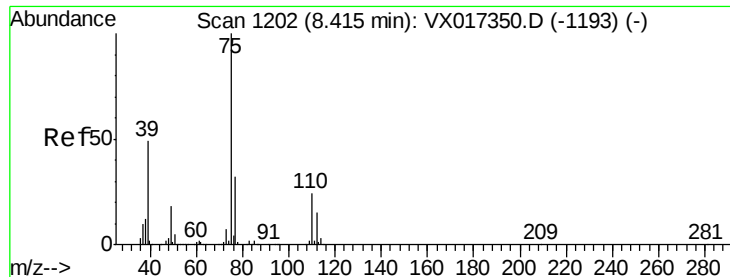
58 5.5 32.2 48.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#54

cis-1,3-Dichloropropene

Concen: 6.153 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

AU-05-071720

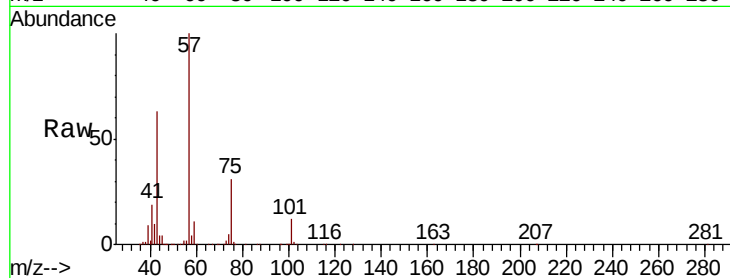
Tot Ion: 75 Resp: 30832

Ion Ratio Lower Upper

75 100

77 1.0 25.3 37.9#

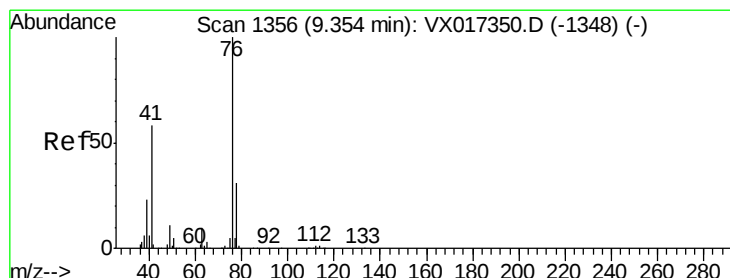
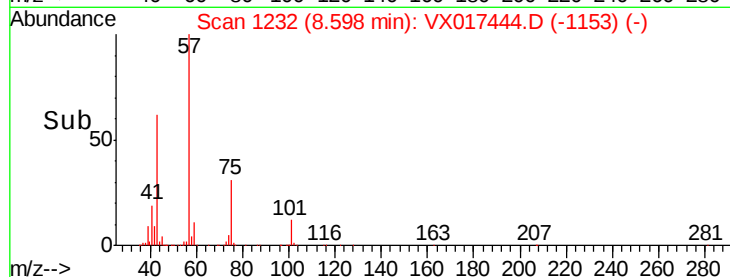
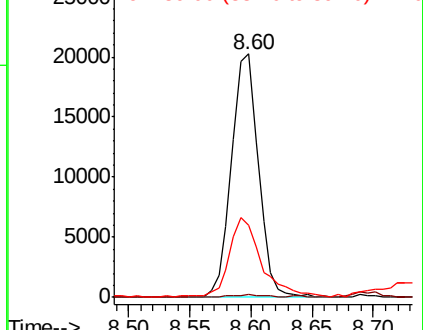
39 28.9 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 0.891 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX017444.D

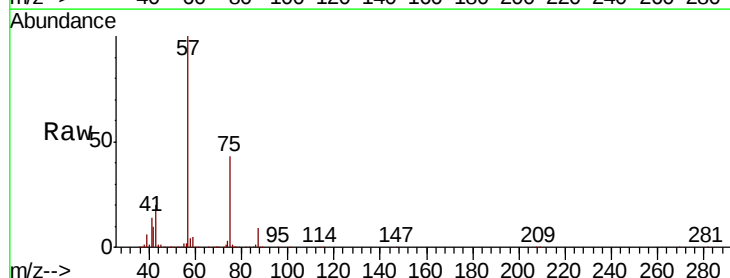
Acq: 20 Jul 2020 19:07

Tgt Ion: 76 Resp: 4483

Ion Ratio Lower Upper

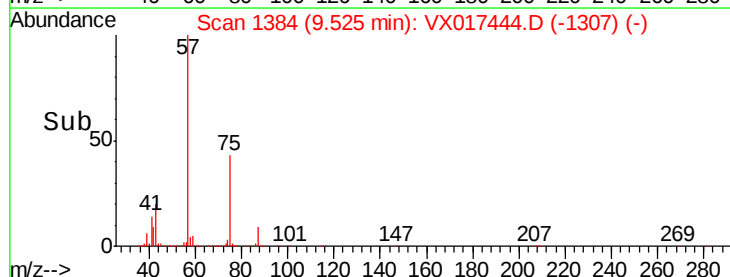
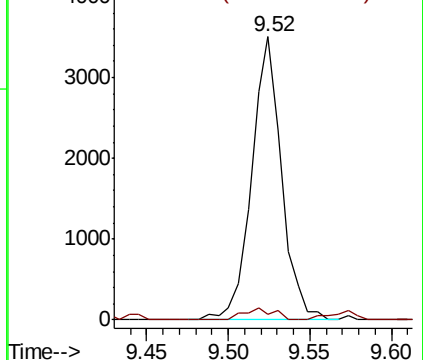
76 100

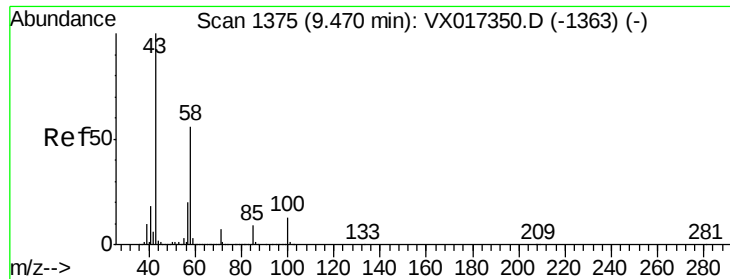
78 4.1 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#59

2-Hexanone

Concen: 20.573 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

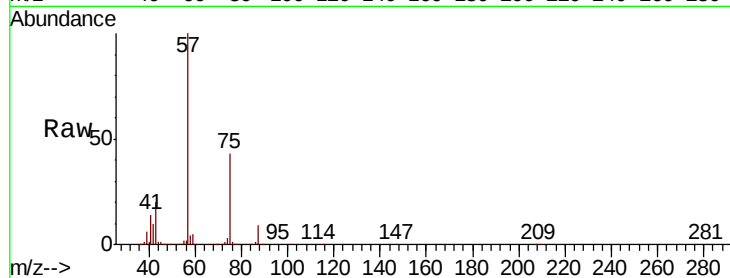
AU-05-071720

Tot Ion: 43 Resp: 61539

Ion Ratio Lower Upper

43 100

58 20.5 28.1 84.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

60000

50000

40000

30000

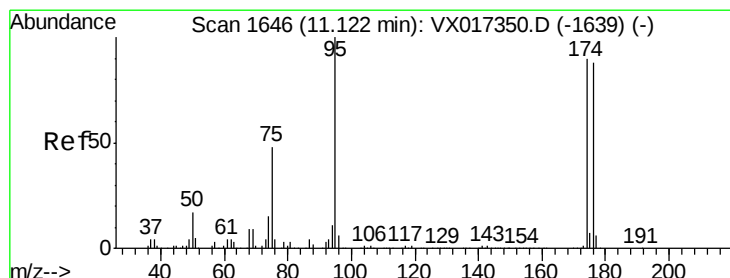
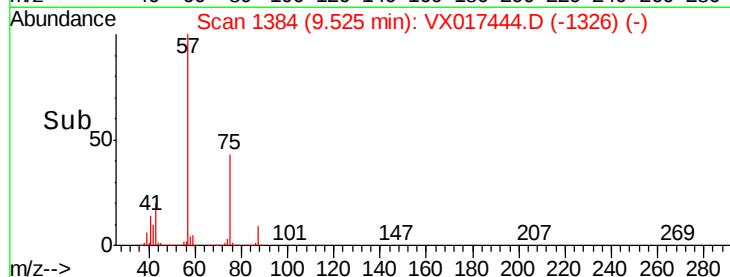
20000

10000

0

9.50 9.55

Time-->



#62

4-Bromofluorobenzene

Concen: 56.896 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

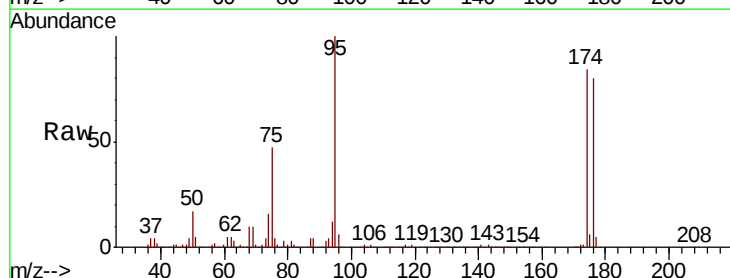
Tgt Ion: 95 Resp: 234828

Ion Ratio Lower Upper

95 100

174 84.1 0.0 175.8

176 81.3 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

250000

200000

150000

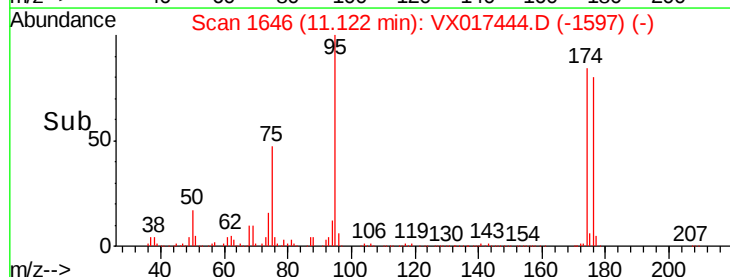
100000

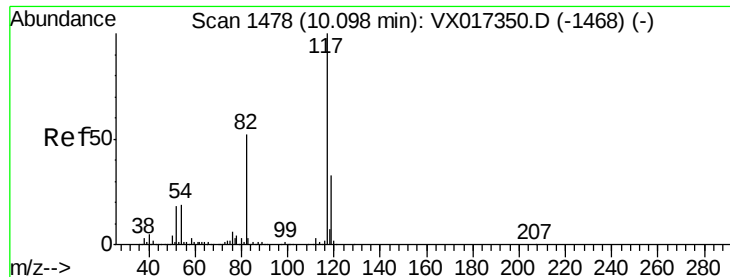
50000

0

11.10 11.20

Time-->

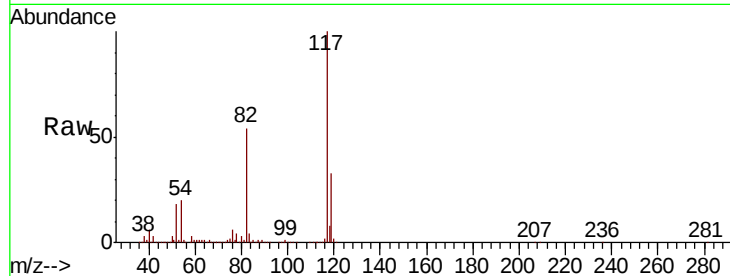




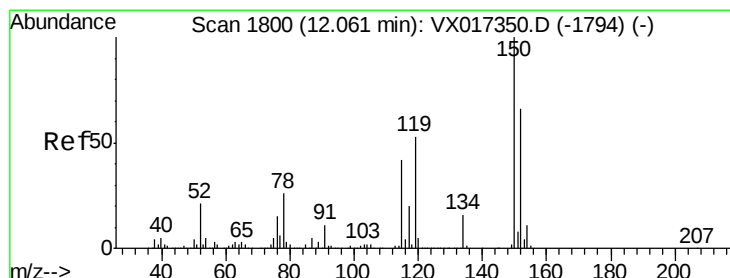
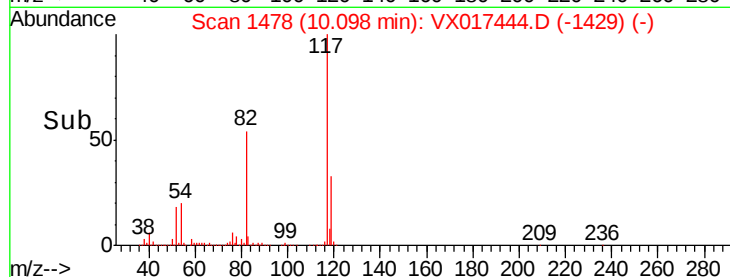
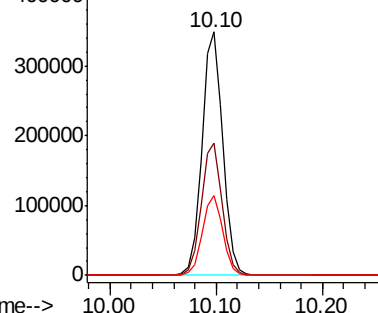
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017444.D
Acq: 20 Jul 2020 19:07

Instrument :
MSVOA_X
ClientSampleId :
AU-05-071720

Tot Ion:117 Resp: 475386
Ion Ratio Lower Upper
117 100
82 54.1 42.0 63.0
119 32.5 26.3 39.5

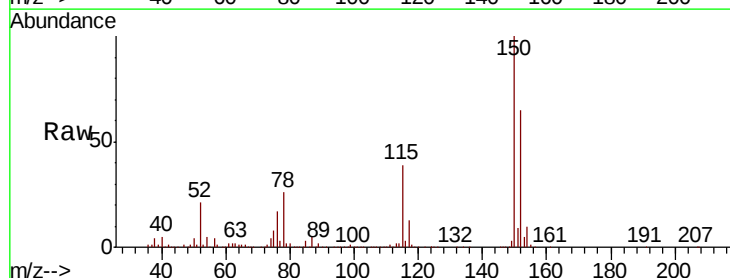


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

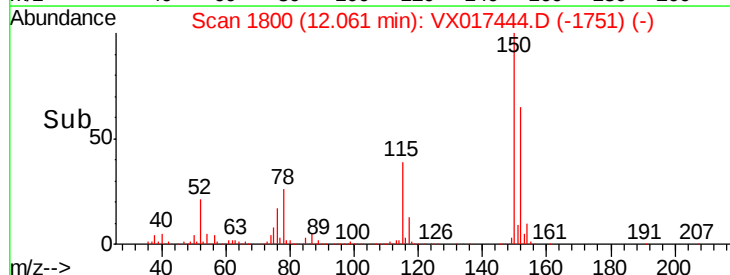
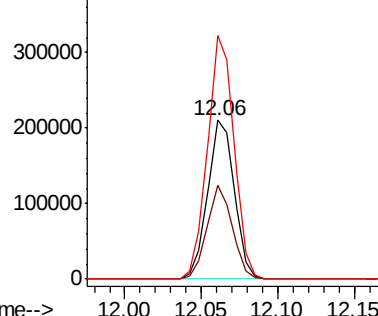


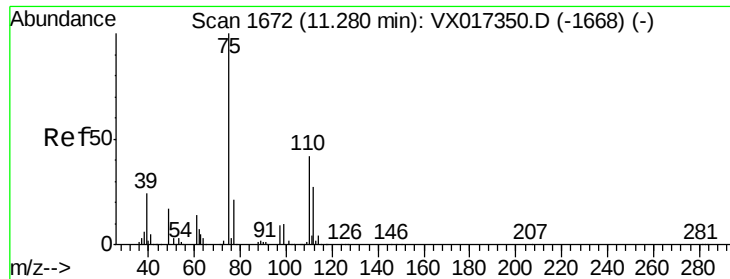
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017444.D
Acq: 20 Jul 2020 19:07

Tgt Ion:152 Resp: 254014
Ion Ratio Lower Upper
152 100
115 56.4 39.9 119.7
150 152.9 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: 24.719 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampled :

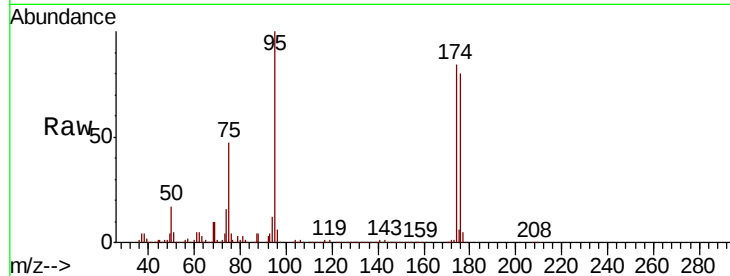
AU-05-071720

Tot Ion: 75 Resp: 116026

Ion Ratio Lower Upper

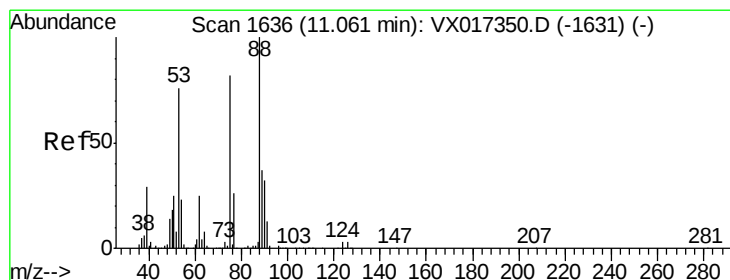
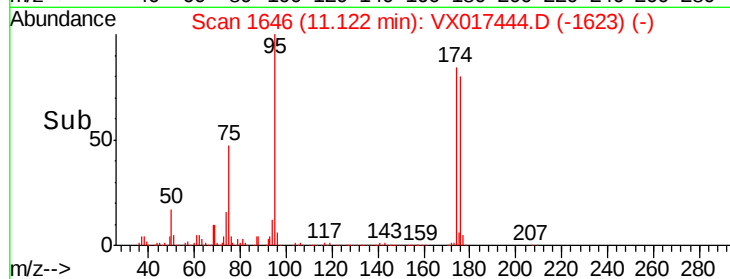
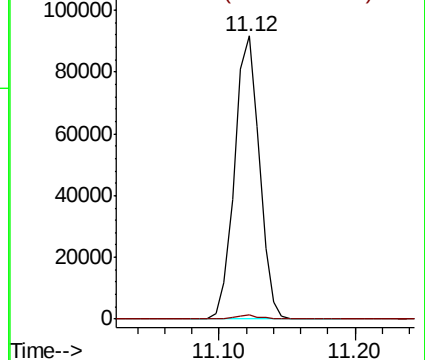
75 100

77 1.5 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: 62.707 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017444.D

Acq: 20 Jul 2020 19:07

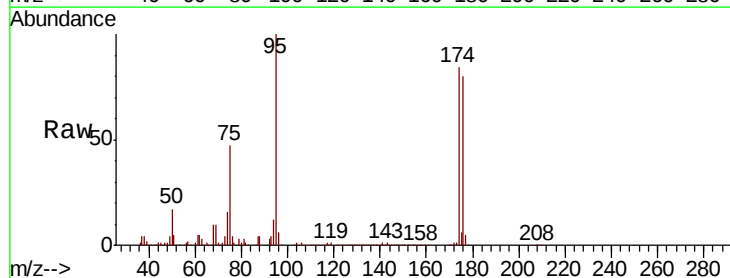
Tgt Ion: 75 Resp: 116026

Ion Ratio Lower Upper

75 100

53 0.3 76.5 114.7#

89 0.0 38.1 57.1#



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

