

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082820\
 Data File : VX018113.D
 Acq On : 28 Aug 2020 12:26
 Operator : JC/SP
 Sample : PB131256ZHE#03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131256ZHE#03

Quant Time: Aug 29 03:04:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	630322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1057866	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1028344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	438222	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	453214	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	5.46	113	359070	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	8.70	98	1339204	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	11.12	95	489571	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	

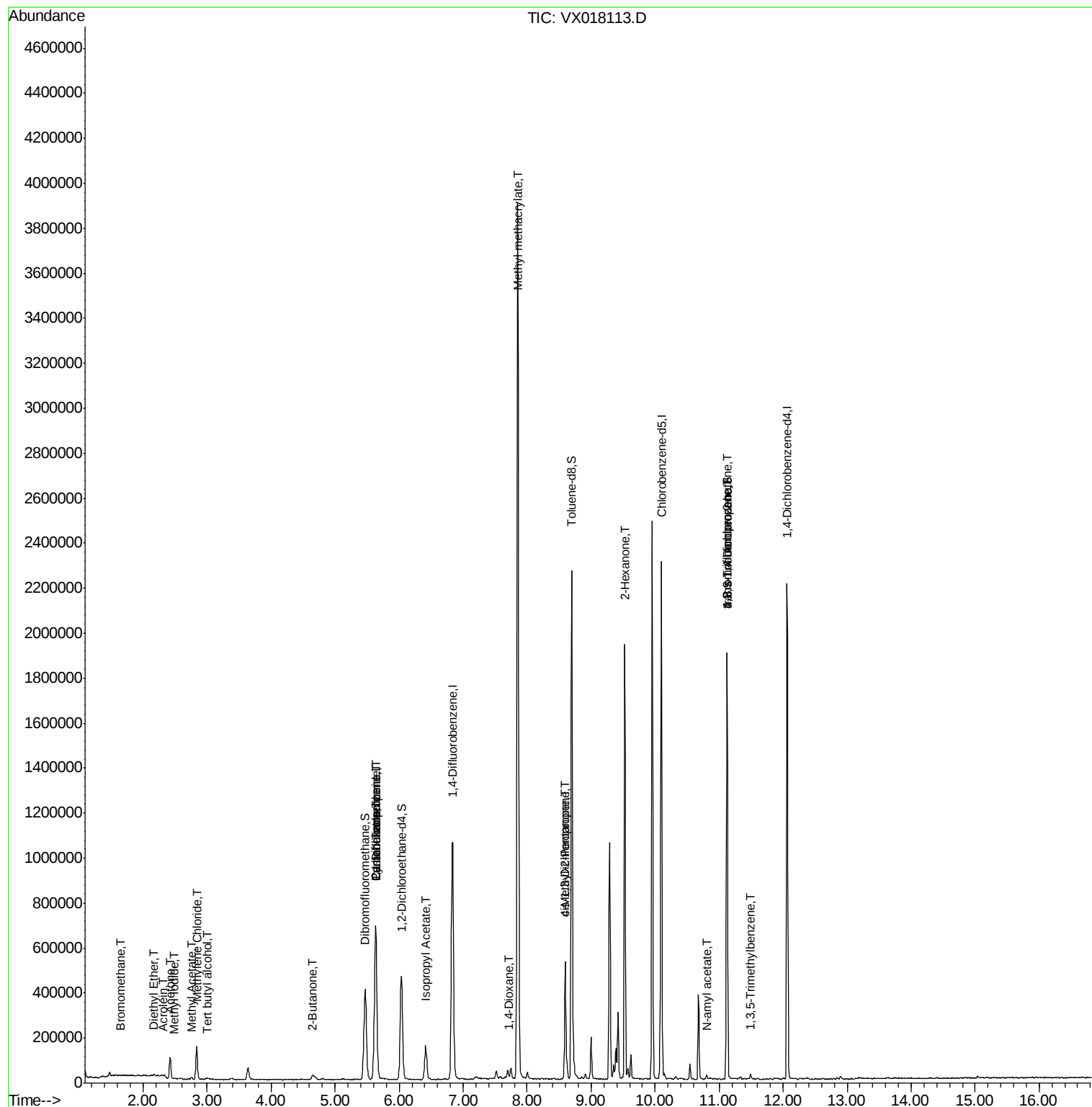
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	886	0.228	ug/l #	47
8) Diethyl Ether	2.17	74	1656	0.445	ug/l	92
10) Methyl Iodide	2.50	142	740	5.391	ug/l #	61
11) Tert butyl alcohol	3.01	59	6475	3.806	ug/l #	84
13) Acrolein	2.31	56	855	1.212	ug/l #	70
16) Acetone	2.42	43	103176	30.259	ug/l	98
18) Methyl Acetate	2.75	43	12070	1.467	ug/l	98
20) Methylene Chloride	2.84	84	65897	8.482	ug/l	95
25) 2-Butanone	4.64	43	19567	3.492	ug/l	92
31) Cyclohexane	5.64	56	13967	1.334	ug/l #	3
36) 1,1-Dichloropropene	5.64	75	50855	5.212	ug/l #	52
38) Carbon Tetrachloride	5.63	117	65431	5.950	ug/l #	16
43) Isopropyl Acetate	6.42	43	206661	11.291	ug/l	99
48) Methyl methacrylate	7.85	41	327915	35.988	ug/l #	43
49) 1,4-Dioxane	7.71	88	113	0.685	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	204062	18.048	ug/l #	45
54) cis-1,3-Dichloropropene	8.60	75	84214	6.611	ug/l #	58
59) 2-Hexanone	9.52	43	215421	25.057	ug/l #	52
74) N-amyl acetate	10.80	43	11038	0.805	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	247870	25.427	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	8360	0.352	ug/l	85
81) trans-1,4-Dichloro-2-buten	11.12	75	247870	68.673	ug/l #	12

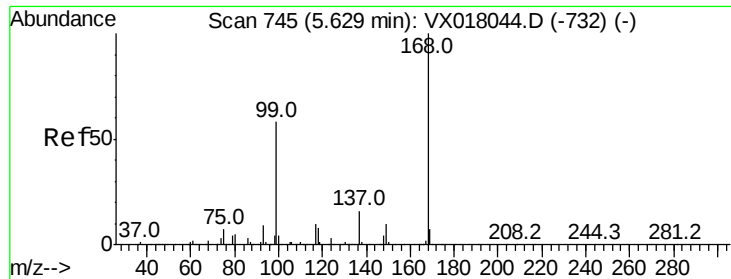
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 29 03:04:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 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: VX018113.D

Acq: 28 Aug 2020 12:26

Instrument :

MSVOA_X

ClientSampleId :

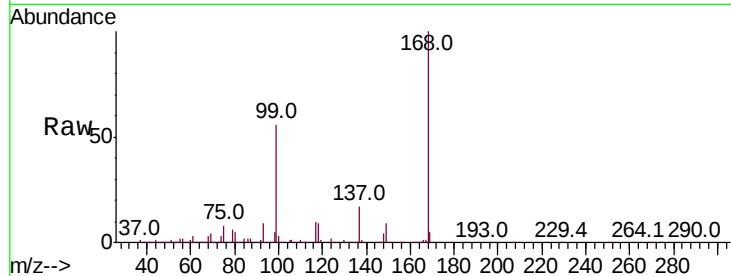
PB131256ZHE#03

Tot Ion:168 Resp: 630322

Ion Ratio Lower Upper

168 100

99 56.0 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.64

250000

200000

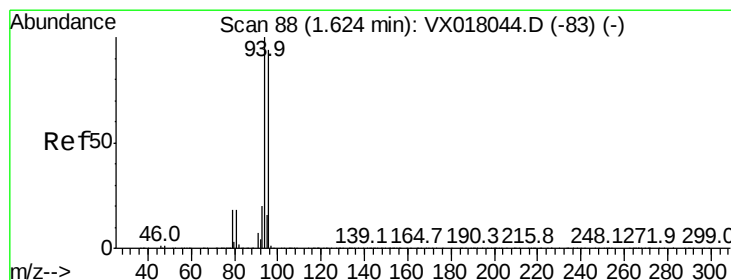
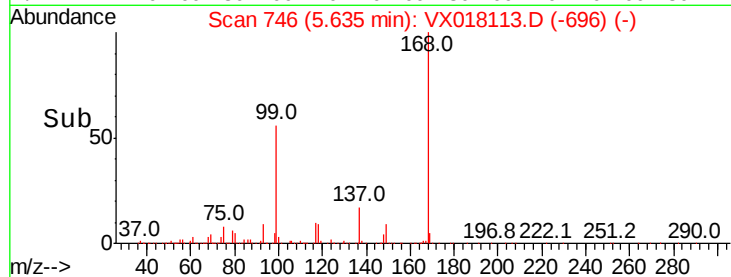
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.228 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018113.D

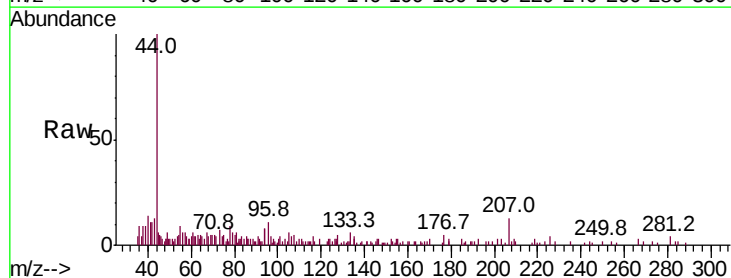
Acq: 28 Aug 2020 12:26

Tgt Ion: 94 Resp: 886

Ion Ratio Lower Upper

94 100

96 42.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

800

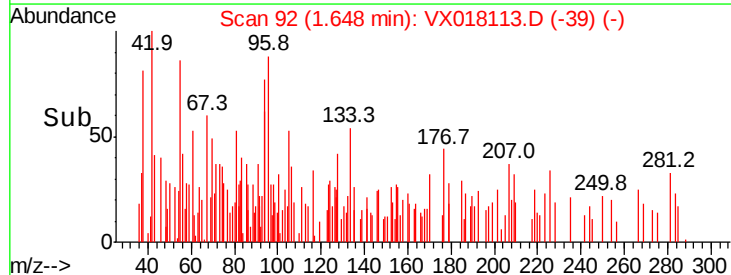
600

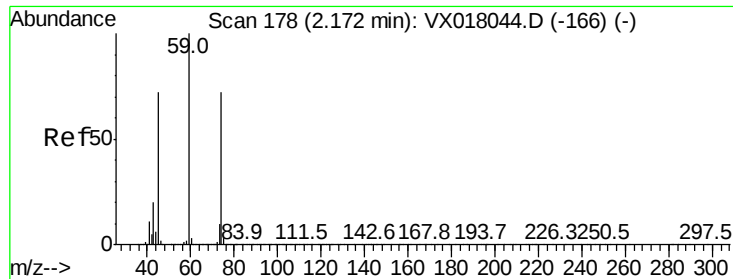
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.445 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.01 min

Lab File: VX018113.D

Acq: 28 Aug 2020 12:26

Instrument :

MSVOA_X

ClientSampleId :

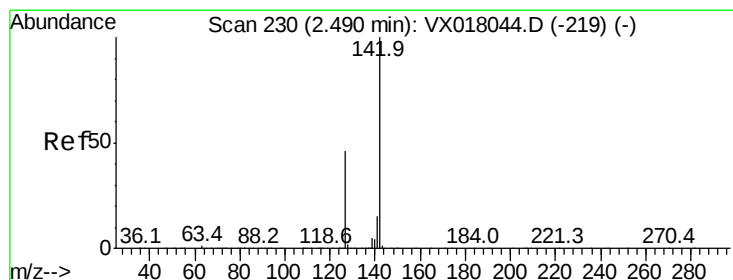
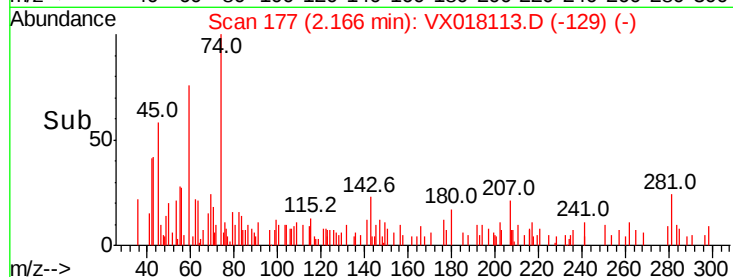
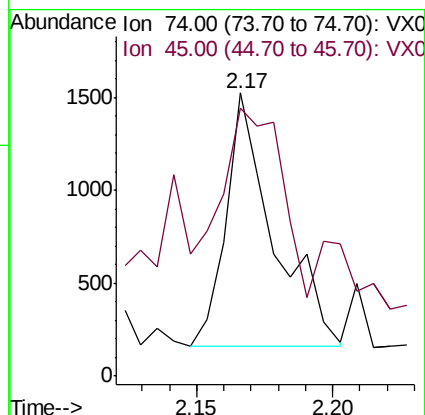
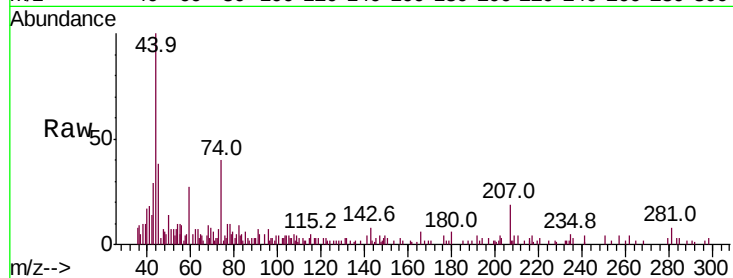
PB131256ZHE#03

Tot Ion: 74 Resp: 1656

Ion Ratio Lower Upper

74 100

45 93.4 50.7 152.3



#10

Methyl Iodide

Concen: 5.391 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018113.D

Acq: 28 Aug 2020 12:26

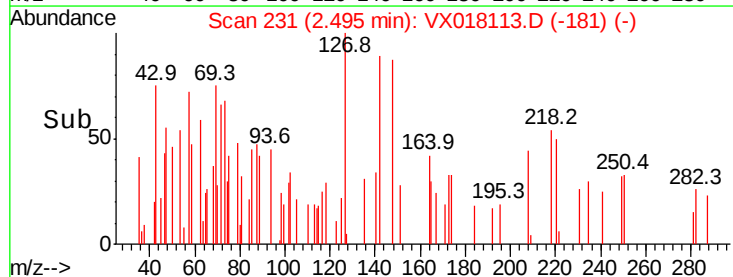
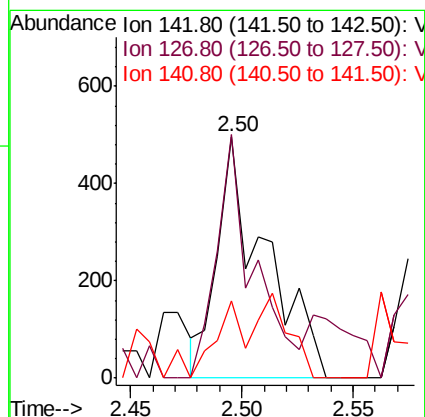
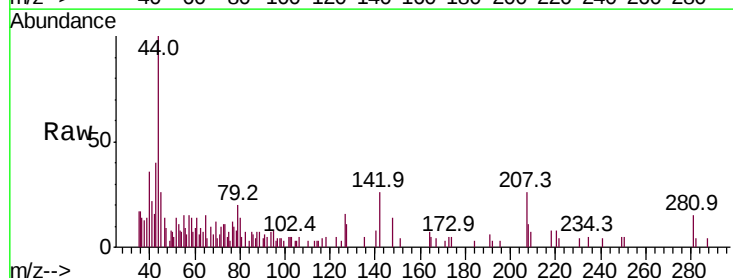
Tgt Ion: 142 Resp: 740

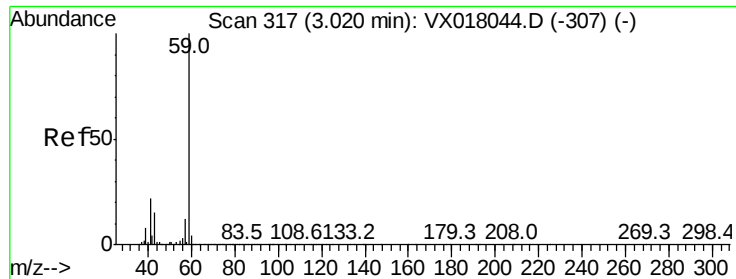
Ion Ratio Lower Upper

142 100

127 78.6 37.0 55.6#

141 17.4 11.5 17.3#



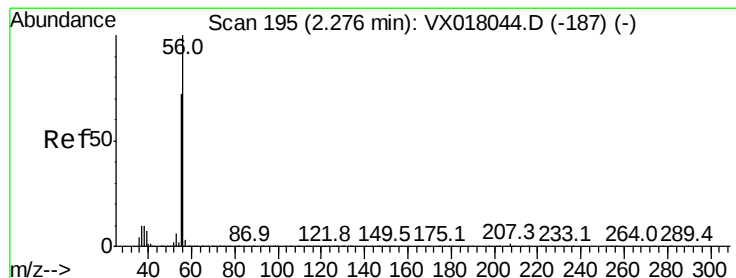
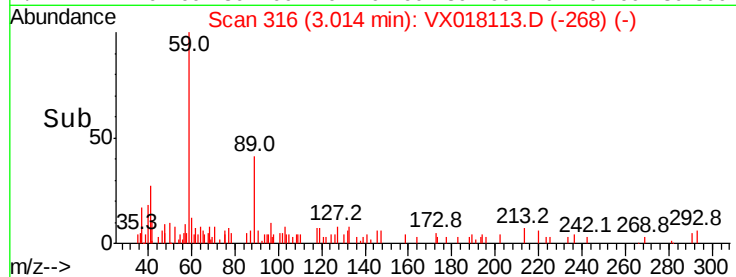
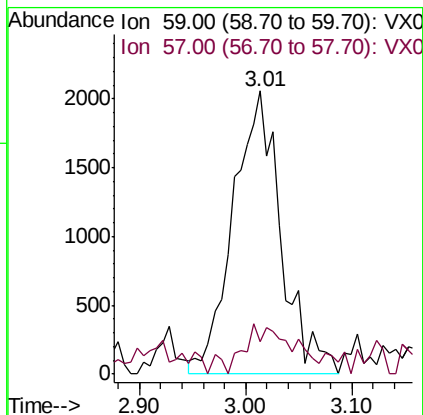
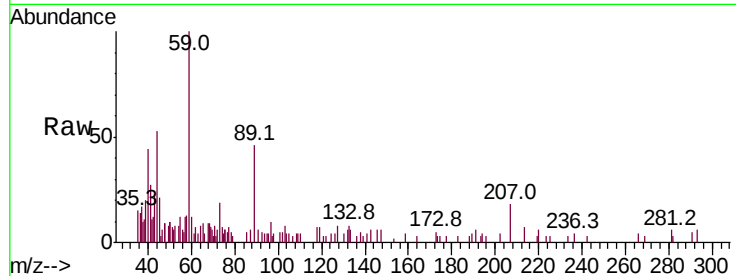


#11

Tert butyl alcohol
 Concen: 3.806 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX018113.D
 Acq: 28 Aug 2020 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131256ZHE#03

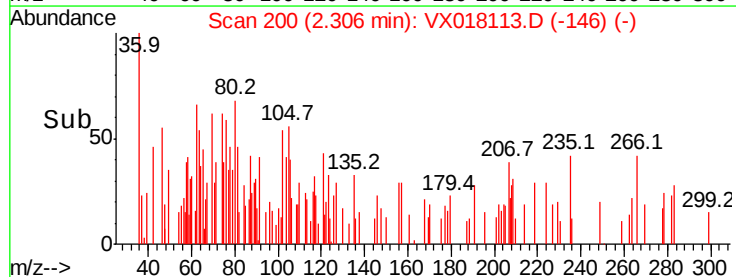
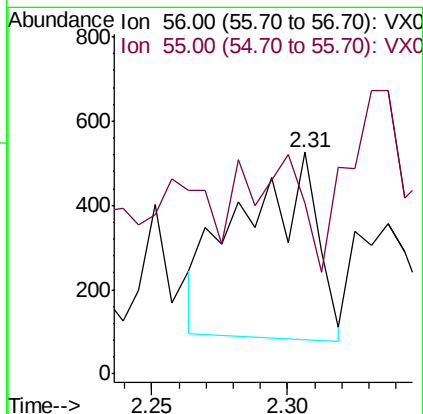
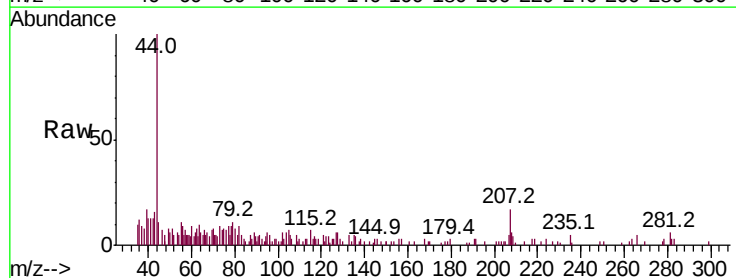
Tot Ion: 59 Resp: 6475
 Ion Ratio Lower Upper
 59 100
 57 17.0 8.9 13.3#

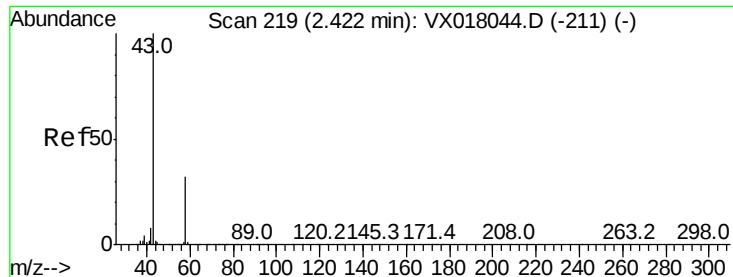


#13

Acrolein
 Concen: 1.212 ug/l
 RT: 2.31 min Scan# 200
 Delta R.T. 0.03 min
 Lab File: VX018113.D
 Acq: 28 Aug 2020 12:26

Tgt Ion: 56 Resp: 855
 Ion Ratio Lower Upper
 56 100
 55 46.8 57.0 85.6#





#16

Acetone

Concen: 30.259 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018113.D

Acq: 28 Aug 2020 12:26

Instrument :

MSVOA_X

ClientSampleId :

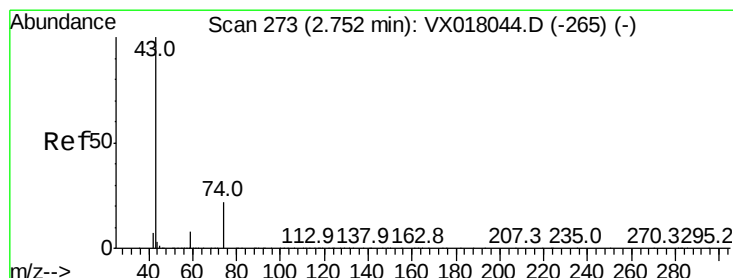
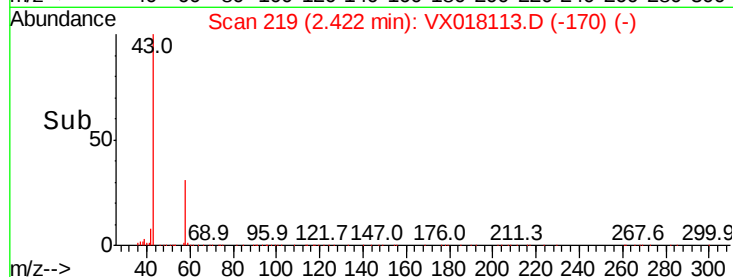
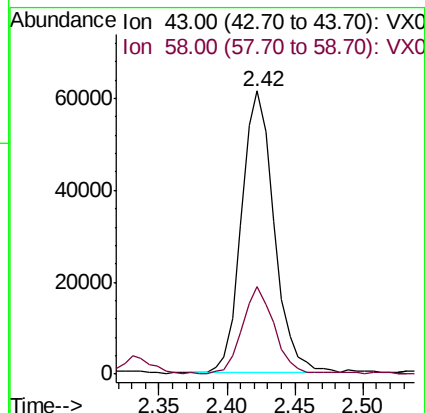
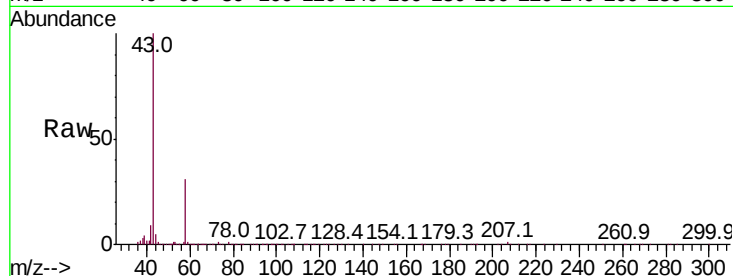
PB131256ZHE#03

Tot Ion: 43 Resp: 103176

Ion Ratio Lower Upper

43 100

58 30.5 25.5 38.3



#18

Methyl Acetate

Concen: 1.467 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018113.D

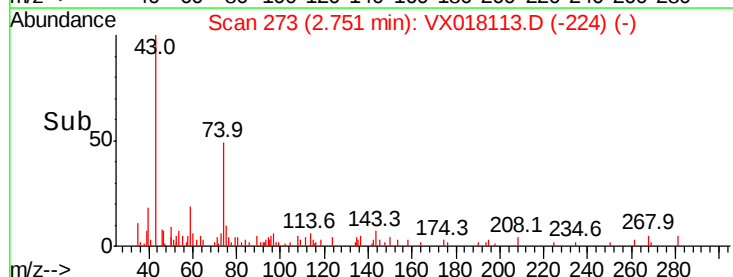
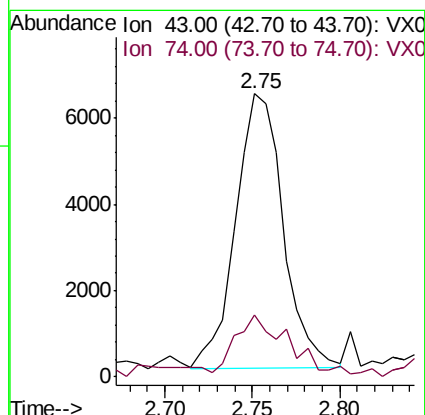
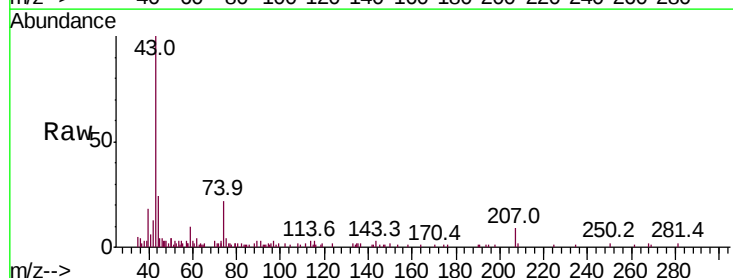
Acq: 28 Aug 2020 12:26

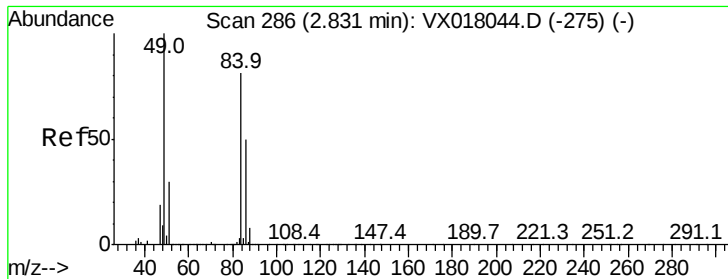
Tgt Ion: 43 Resp: 12070

Ion Ratio Lower Upper

43 100

74 23.6 18.2 27.4

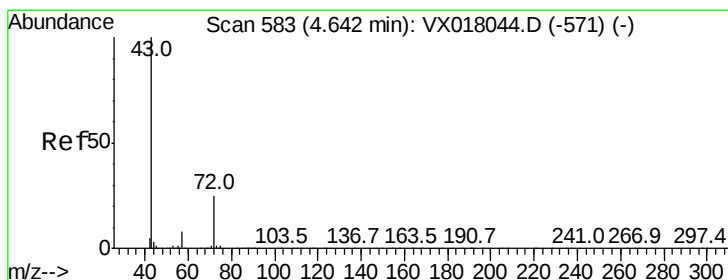
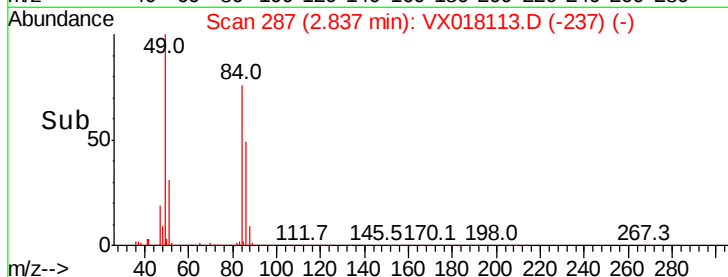
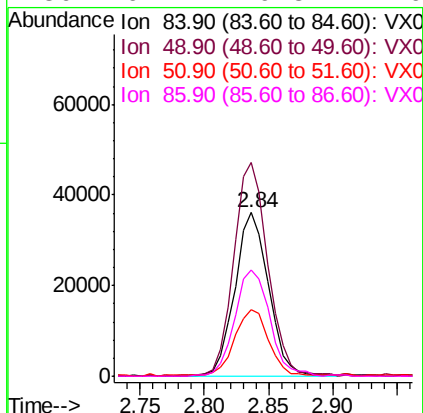
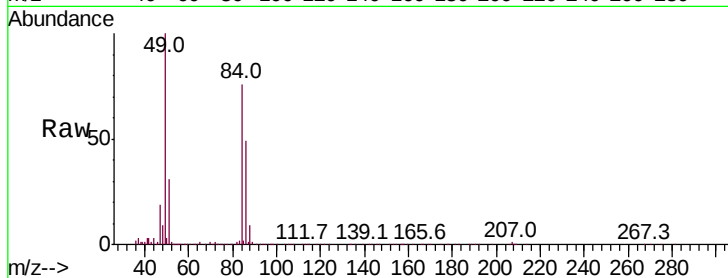




#20
Methvlene Chloride
Concen: 8.482 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018113.D
Acq: 28 Aug 2020 12:26

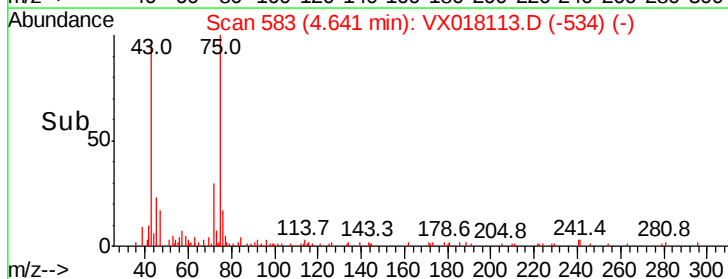
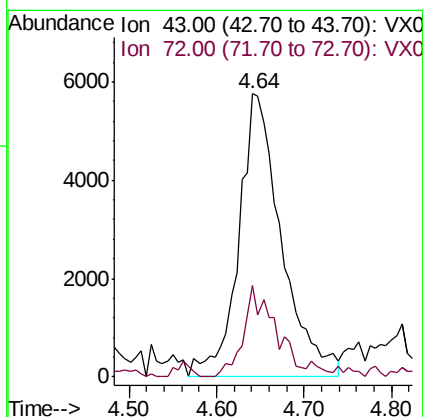
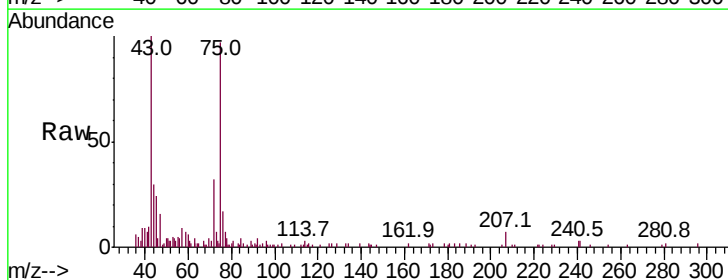
Instrument :
MSVOA_X
ClientSampleId :
PB131256ZHE#03

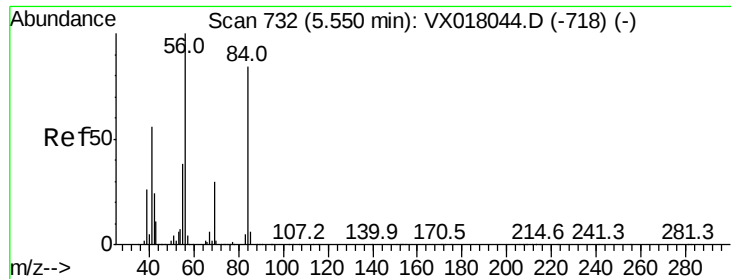
Tot Ion:	84	Resp:	65897
Ion	Ratio	Lower	Upper
84	100		
49	130.4	98.6	148.0
51	40.2	29.6	44.4
86	64.7	49.8	74.6



#25
2-Butanone
Concen: 3.492 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018113.D
Acq: 28 Aug 2020 12:26

Tgt Ion:	43	Resp:	19567
Ion	Ratio	Lower	Upper
43	100		
72	28.6	19.8	29.6

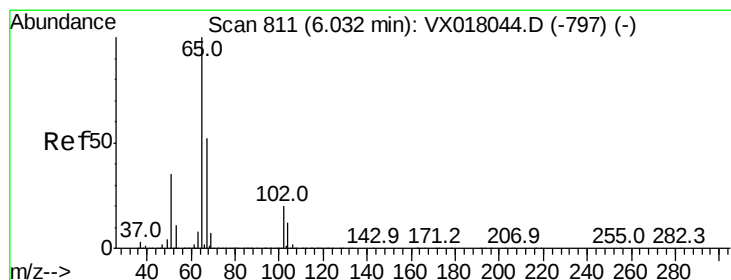
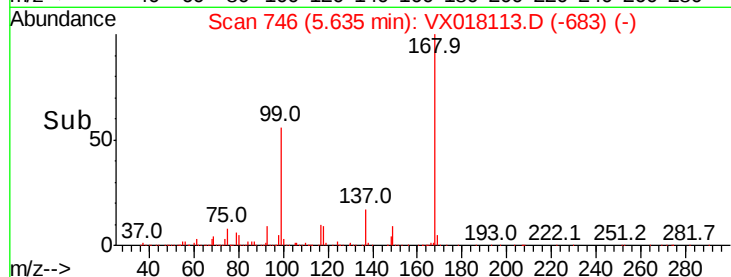
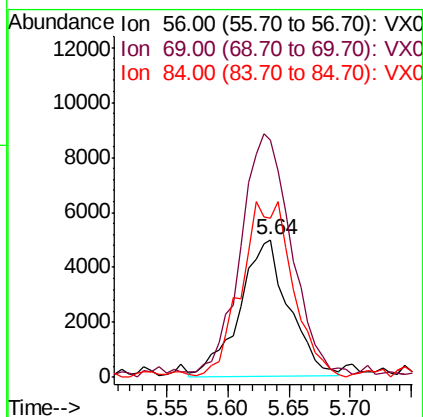
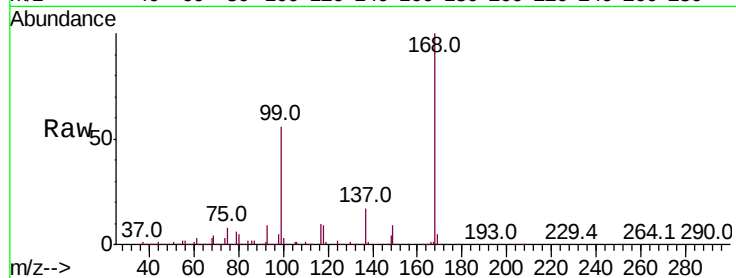




#31
Cyclohexane
Concen: 1.334 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX018113.D
Acq: 28 Aug 2020 12:26

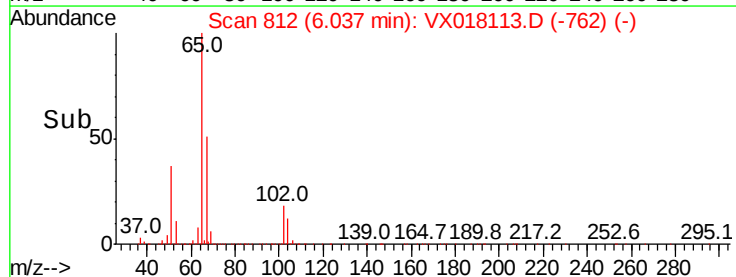
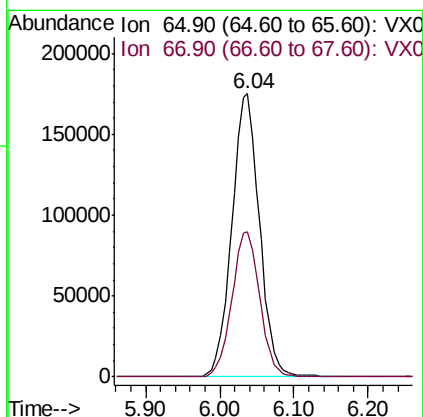
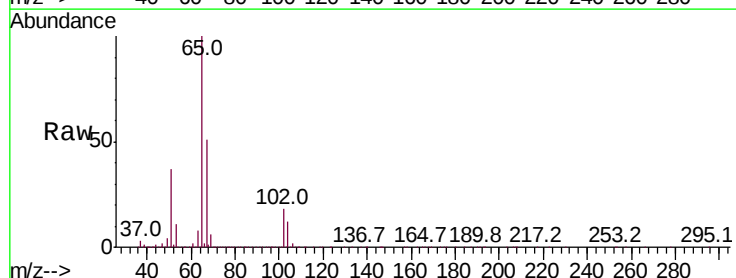
Instrument :
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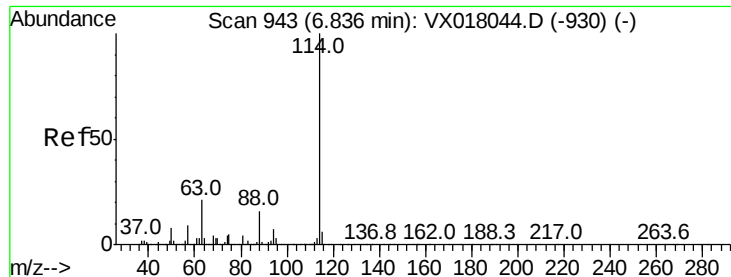
Tot Ion: 56 Resp: 13967
Ion Ratio Lower Upper
56 100
69 173.2 23.9 35.9#
84 117.4 67.0 100.4#



#33
1,2-Dichloroethane-d4
Concen: 51.793 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX018113.D
Acq: 28 Aug 2020 12:26

Tgt Ion: 65 Resp: 453214
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018113.D

Acq: 28 Aug 2020 12:26

Instrument :

MSVOA_X

ClientSampleId :

PB131256ZHE#03

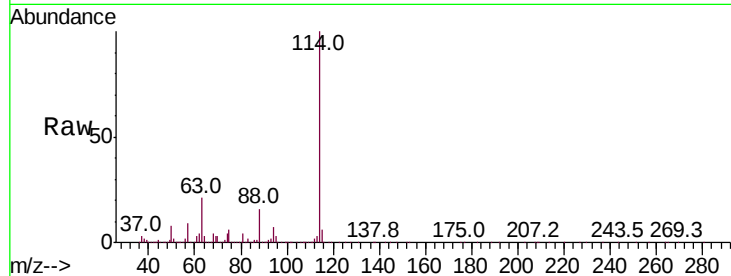
Tot Ion:114 Resp: 1057866

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

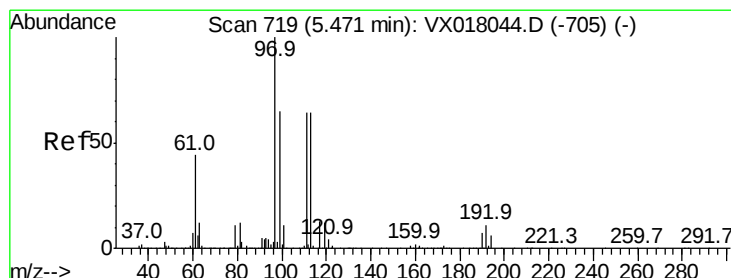
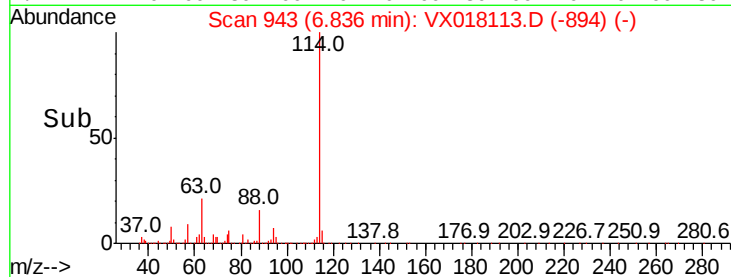
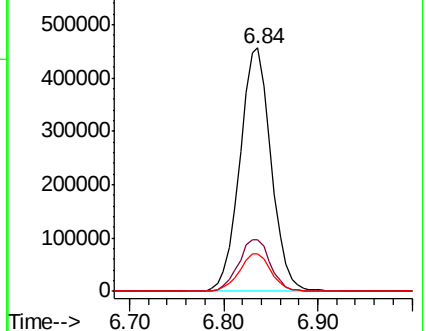
88 15.6 0.0 31.8



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: 49.839 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018113.D

Acq: 28 Aug 2020 12:26

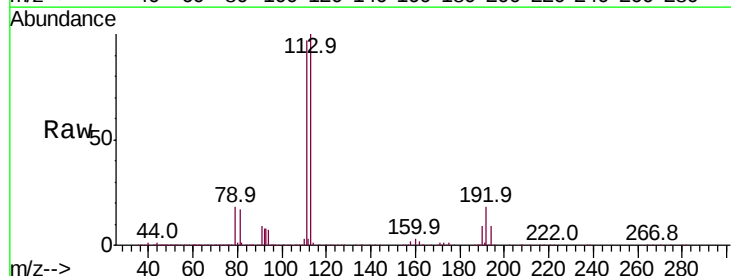
Tgt Ion:113 Resp: 359070

Ion Ratio Lower Upper

113 100

111 101.1 81.6 122.4

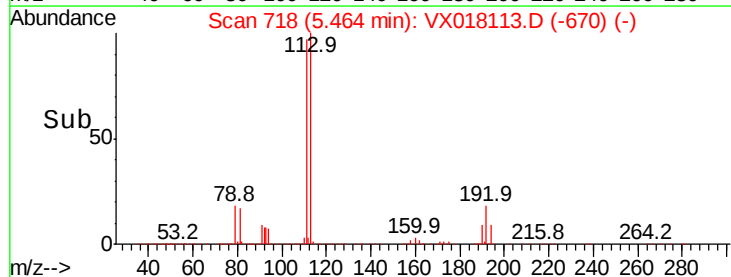
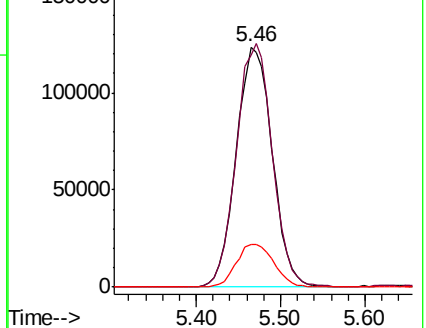
192 18.8 15.8 23.8

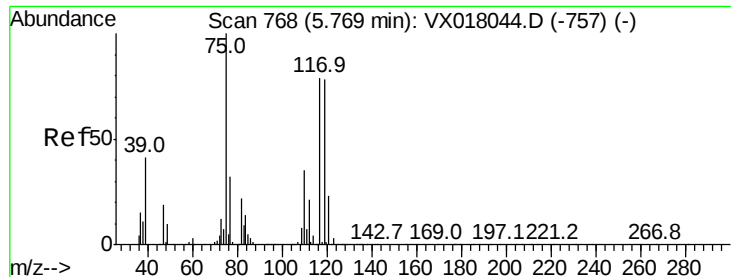


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

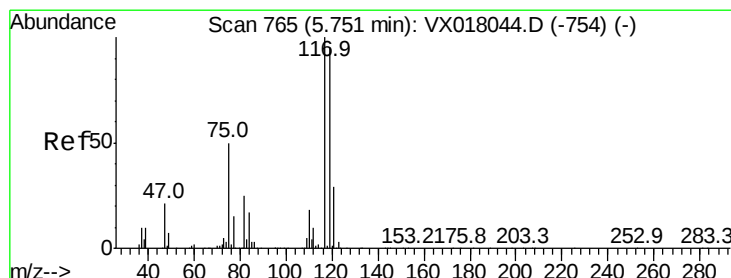
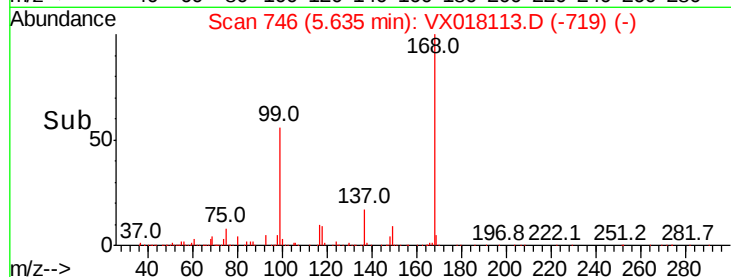
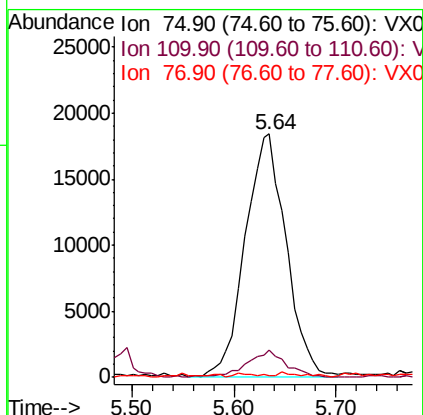
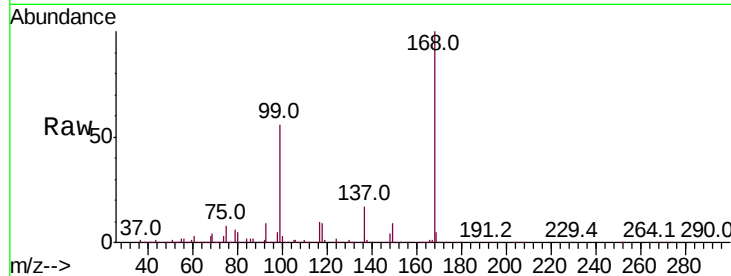




#36
 1,1-Dichloropropene
 Concen: 5.212 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018113.D
 Acq: 28 Aug 2020 12:26

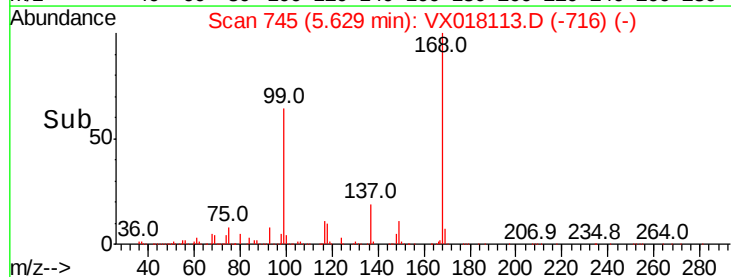
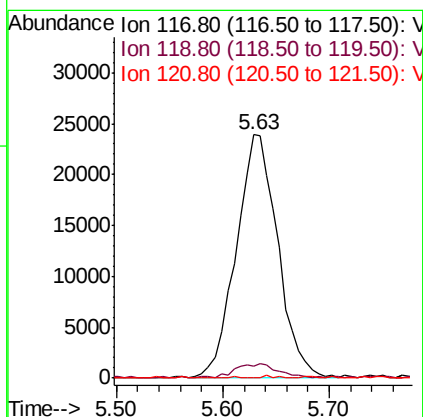
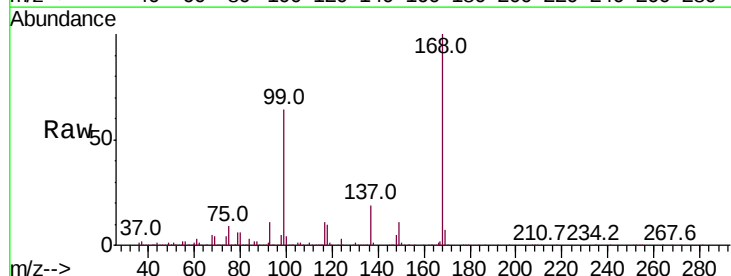
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131256ZHE#03

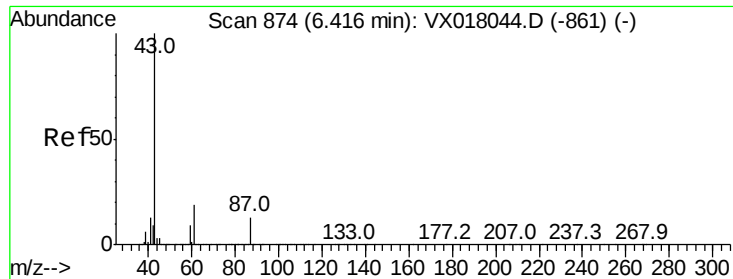
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.0	54.0#
77	0.4	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 5.950 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018113.D
 Acq: 28 Aug 2020 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.8	113.6#
121	0.0	23.4	35.0#



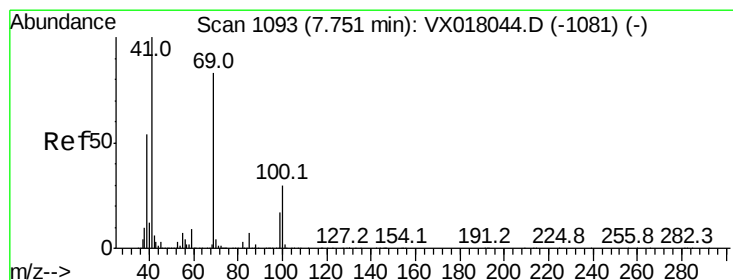
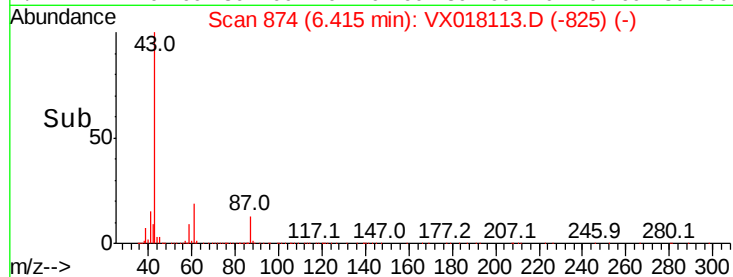
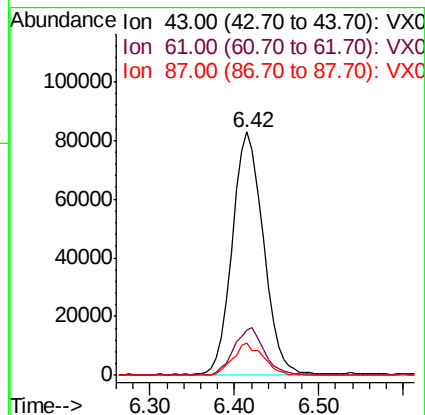
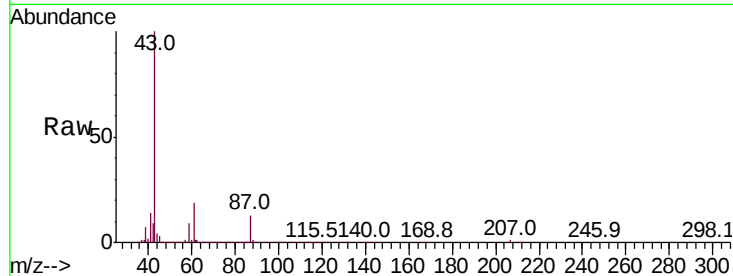


#43

Isopropyl Acetate
 Concen: 11.291 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX018113.D
 Acq: 28 Aug 2020 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131256ZHE#03

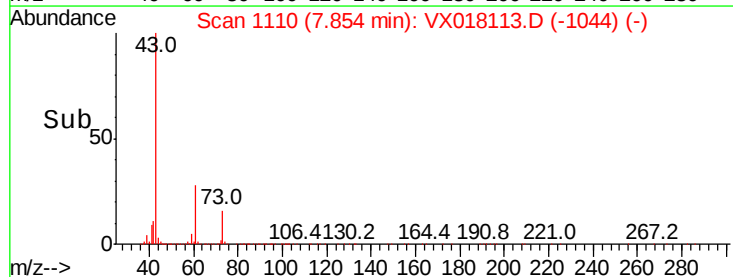
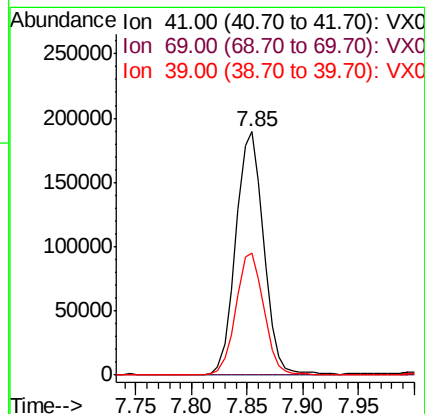
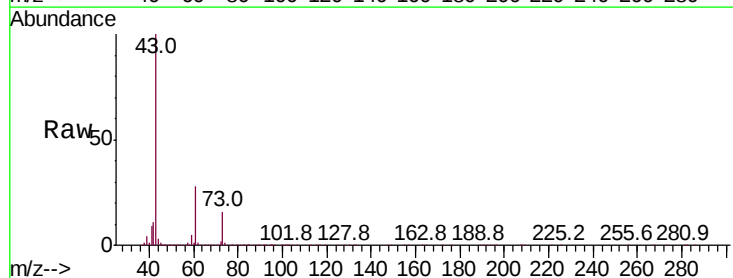
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.7	23.5
87	13.0	10.3	15.5

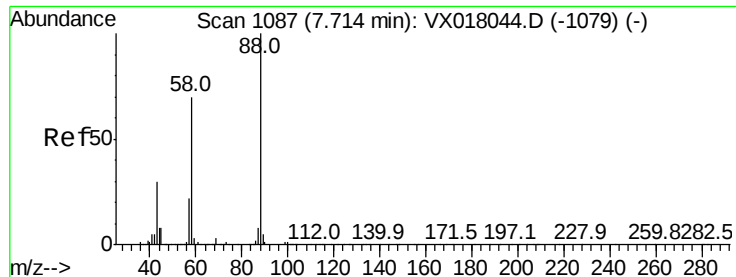


#48

Methyl methacrylate
 Concen: 35.988 ug/l
 RT: 7.85 min Scan# 1110
 Delta R.T. 0.10 min
 Lab File: VX018113.D
 Acq: 28 Aug 2020 12:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.4	65.5	98.3#
39	50.6	44.5	66.7

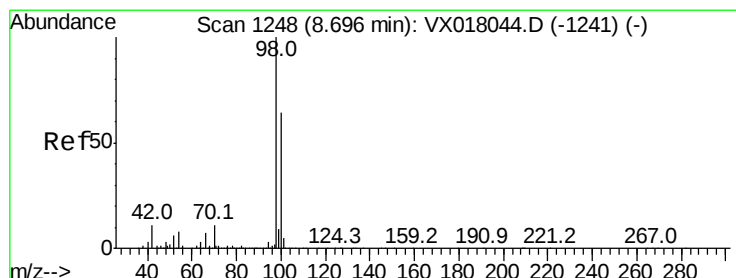
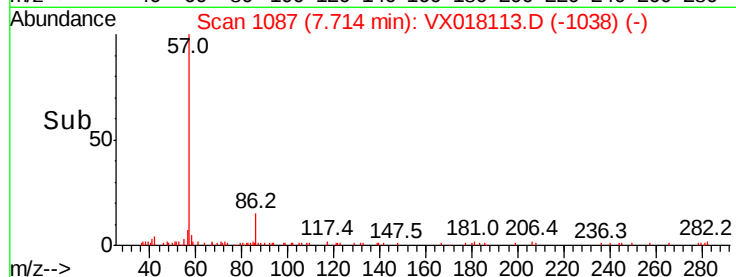
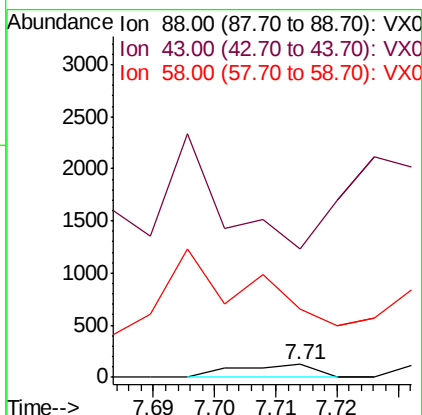
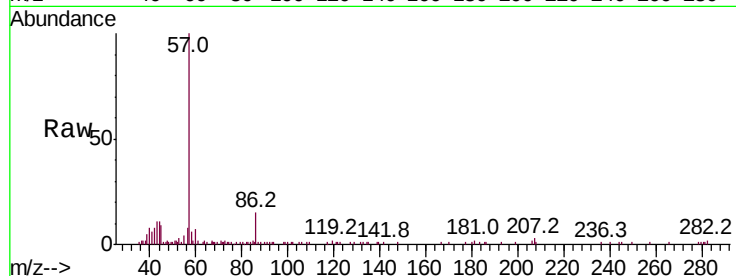




#49
1,4-Dioxane
Concen: 0.685 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX018113.D
Acq: 28 Aug 2020 12:26

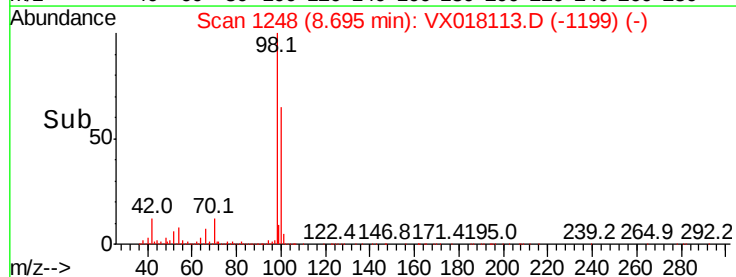
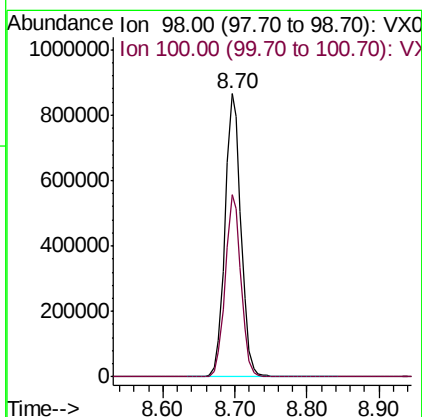
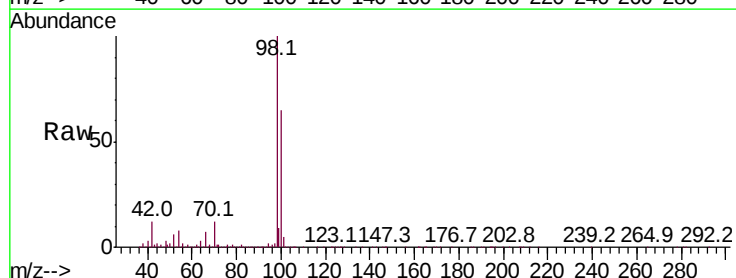
Instrument :
MSVOA_X
ClientSampleId :
PB131256ZHE#03

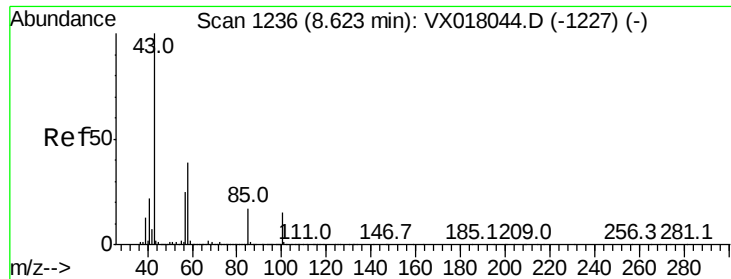
Tot Ion: 88 Resp: 113
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 1708.0 56.4 84.6#



#50
Toluene-d8
Concen: 49.907 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018113.D
Acq: 28 Aug 2020 12:26

Tgt Ion: 98 Resp: 1339204
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 18.048 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX018113.D

Acq: 28 Aug 2020 12:26

Instrument :

MSVOA_X

ClientSampleId :

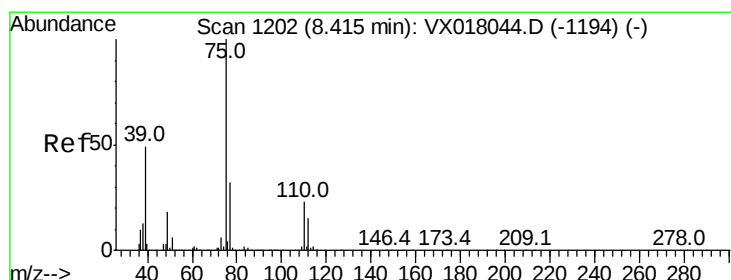
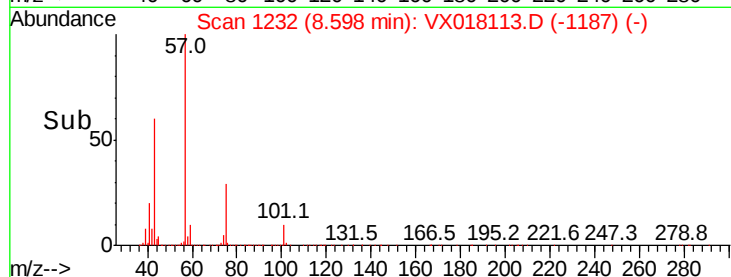
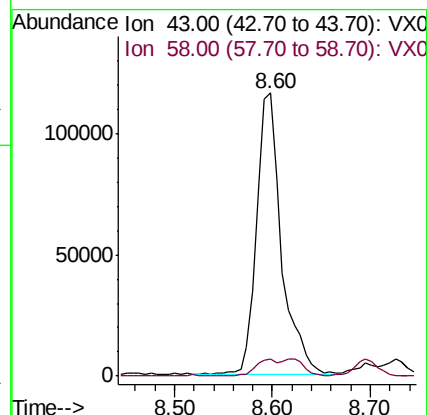
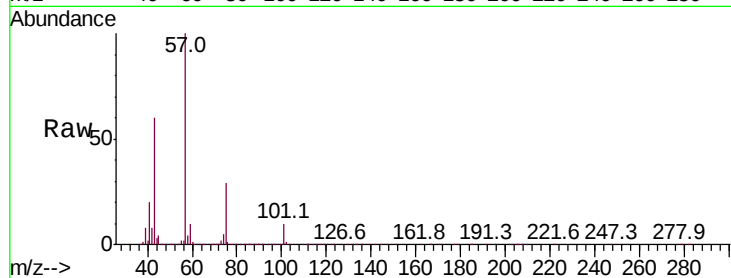
PB131256ZHE#03

Tot Ion: 43 Resp: 204062

Ion Ratio Lower Upper

43 100

58 5.0 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 6.611 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018113.D

Acq: 28 Aug 2020 12:26

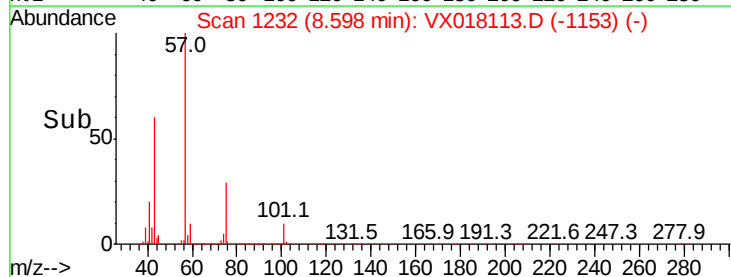
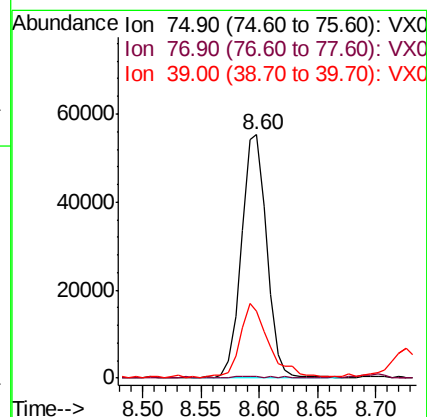
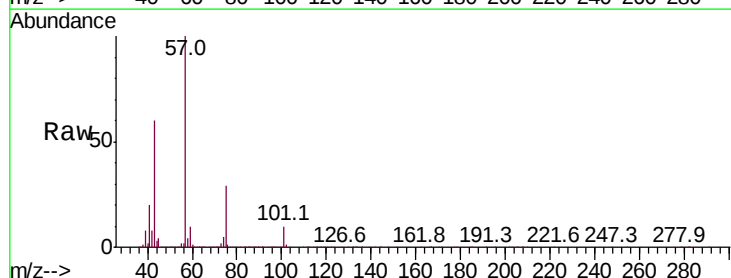
Tgt Ion: 75 Resp: 84214

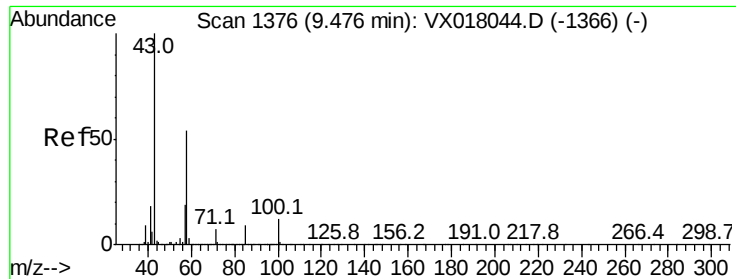
Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.8#

39 26.8 38.8 58.2#

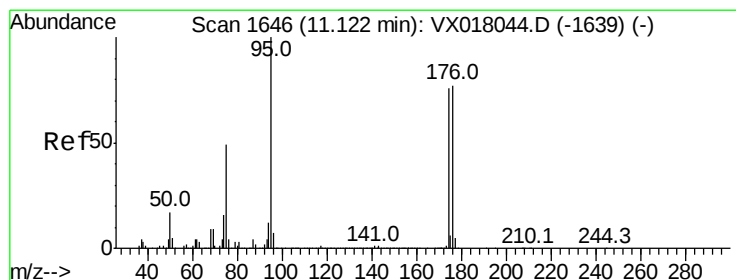
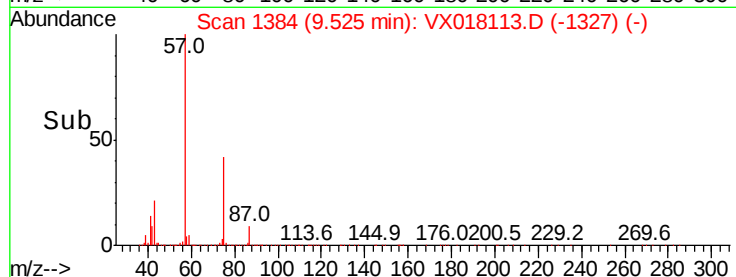
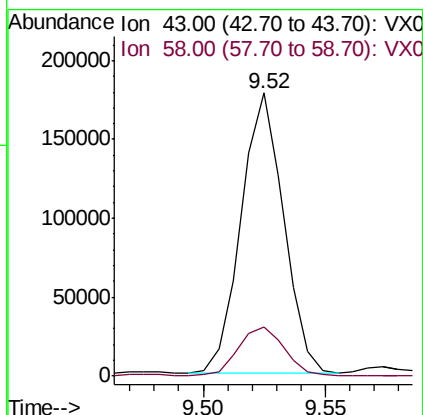
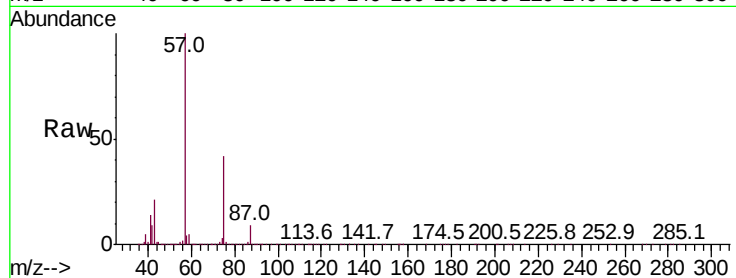




#59
2-Hexanone
Concen: 25.057 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX018113.D
Acq: 28 Aug 2020 12:26

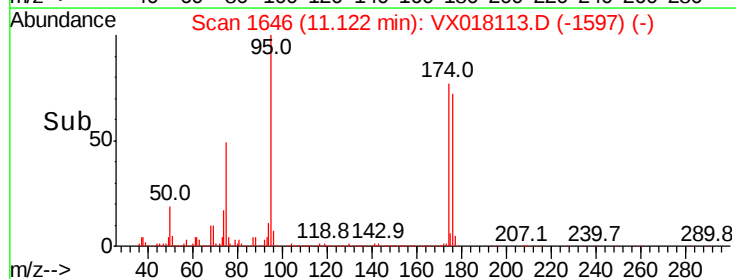
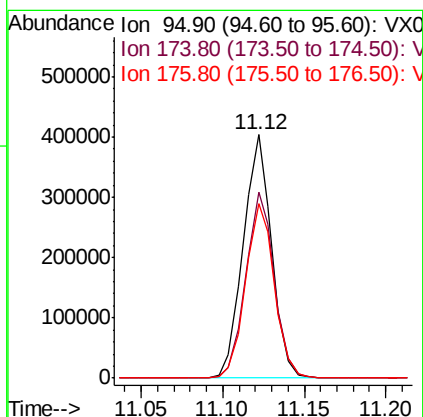
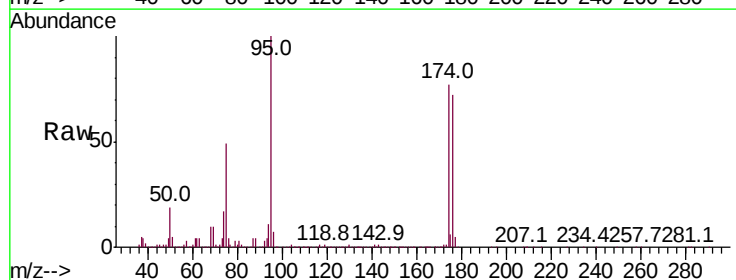
Instrument :
MSVOA_X
ClientSampleId :
PB131256ZHE#03

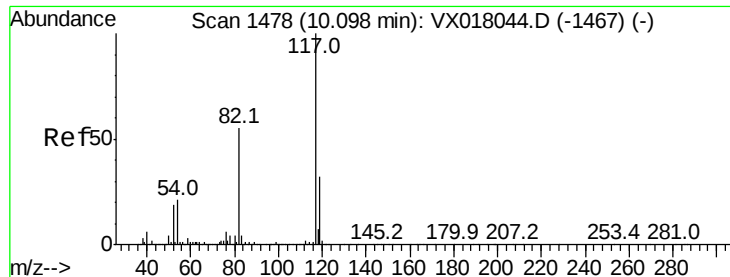
Tot Ion: 43 Resp: 215421
Ion Ratio Lower Upper
43 100
58 19.1 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 46.372 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018113.D
Acq: 28 Aug 2020 12:26

Tgt Ion: 95 Resp: 489571
Ion Ratio Lower Upper
95 100
174 76.7 0.0 160.2
176 72.8 0.0 155.8

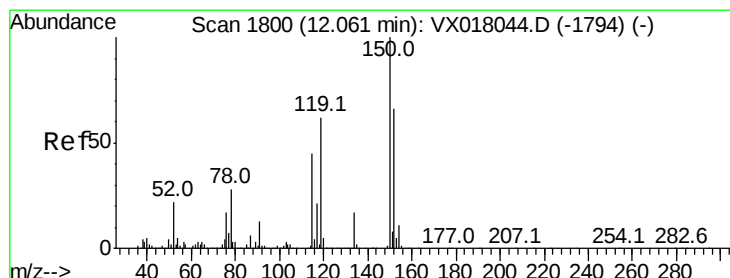
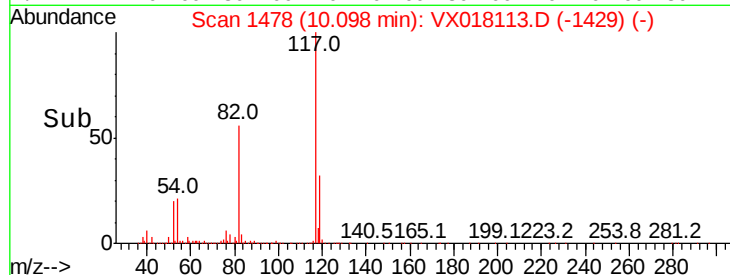
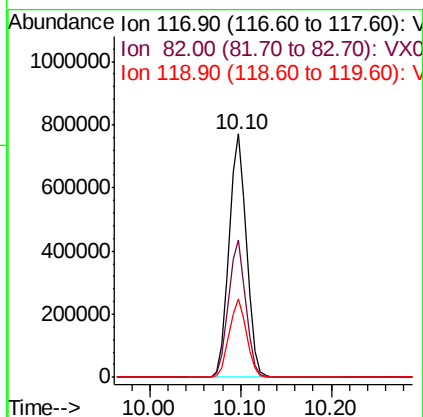
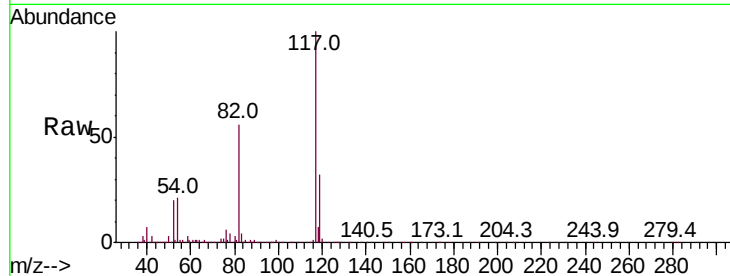




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018113.D
Acq: 28 Aug 2020 12:26

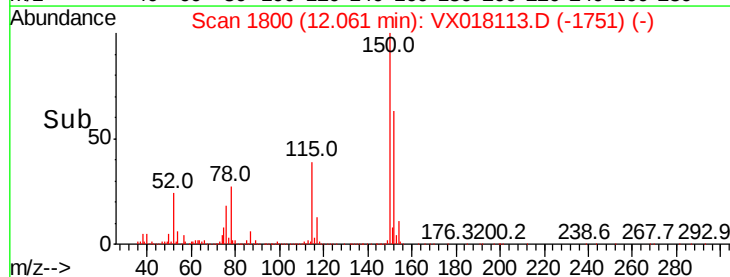
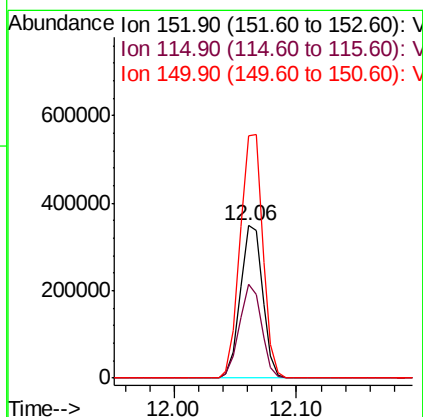
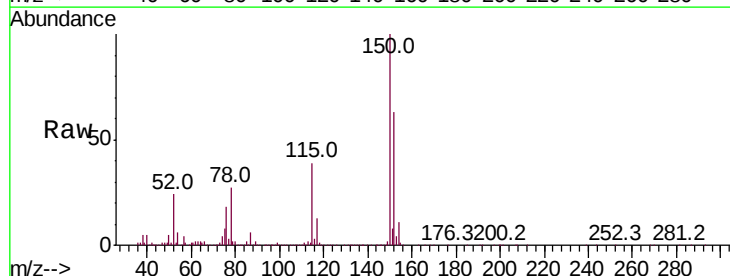
Instrument :
MSVOA_X
ClientSampleId :
PB131256ZHE#03

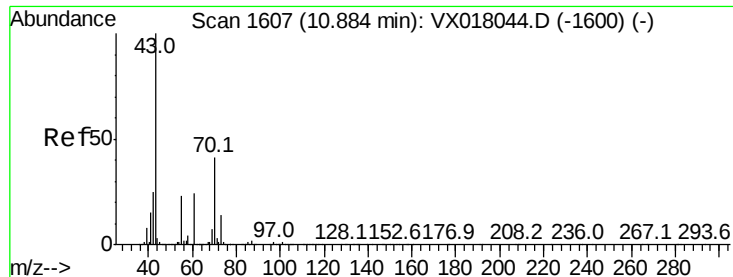
Tot Ion:117 Resp: 1028344
Ion Ratio Lower Upper
117 100
82 56.2 44.2 66.2
119 32.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018113.D
Acq: 28 Aug 2020 12:26

Tgt Ion:152 Resp: 438222
Ion Ratio Lower Upper
152 100
115 60.8 41.5 124.5
150 162.7 0.0 343.8





#74

N-amvl acetate

Concen: 0.805 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018113.D

Acq: 28 Aug 2020 12:26

Instrument :

MSVOA_X

ClientSampleId :

PB131256ZHE#03

Tot Ion: 43 Resp: 11038

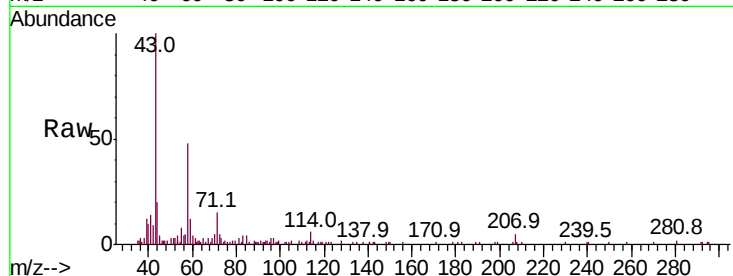
Ion Ratio Lower Upper

43 100

70 3.4 32.3 48.5#

55 9.5 18.2 27.2#

61 0.0 18.9 28.3#

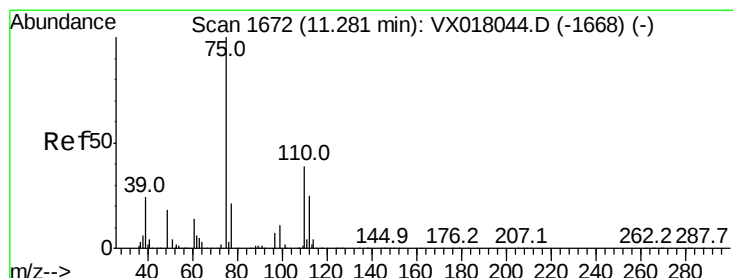
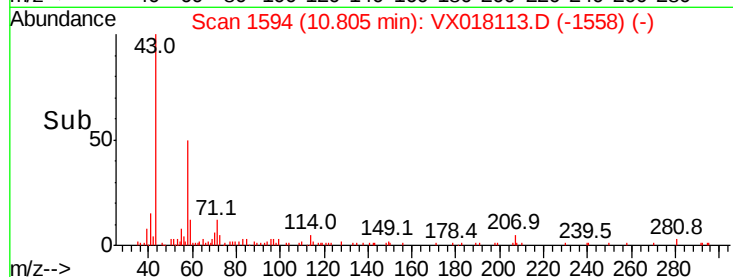
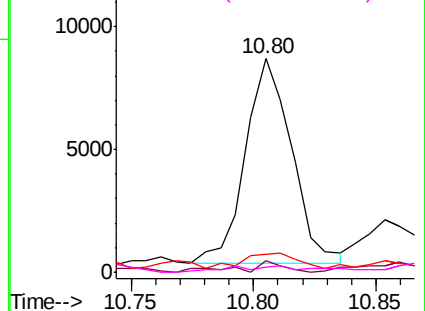


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 25.427 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018113.D

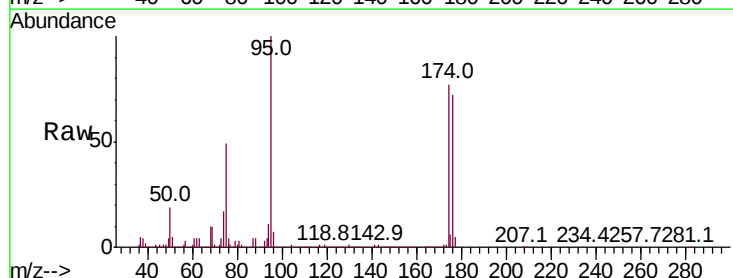
Acq: 28 Aug 2020 12:26

Tgt Ion: 75 Resp: 247870

Ion Ratio Lower Upper

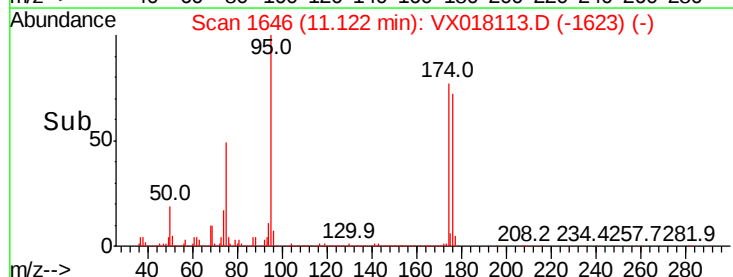
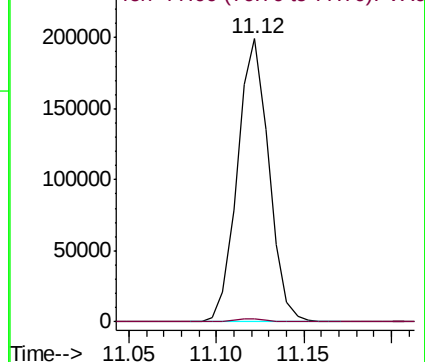
75 100

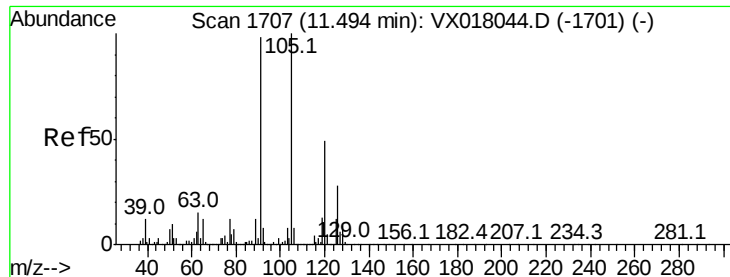
77 1.2 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.352 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018113.D

Acq: 28 Aug 2020 12:26

Instrument :

MSVOA_X

ClientSampleId :

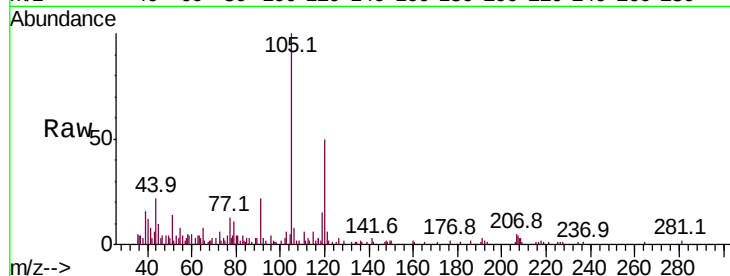
PB131256ZHE#03

Tot Ion:105 Resp: 8360

Ion Ratio Lower Upper

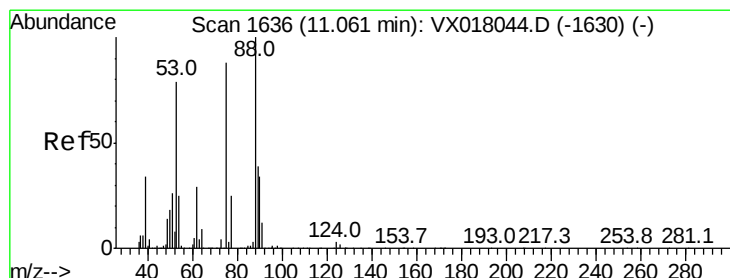
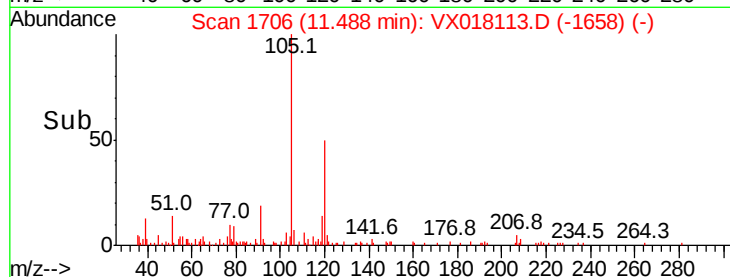
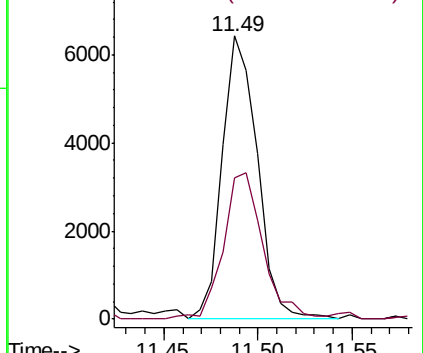
105 100

120 58.0 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 68.673 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018113.D

Acq: 28 Aug 2020 12:26

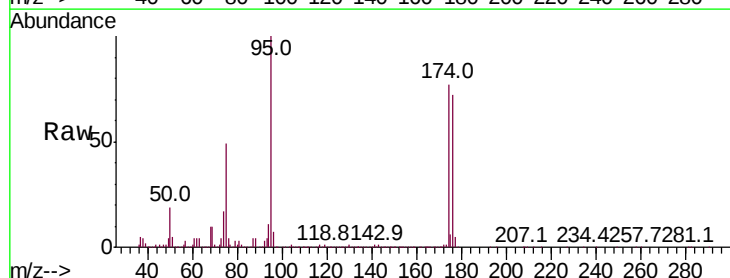
Tgt Ion: 75 Resp: 247870

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.0 36.6 54.8#



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

