

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018139.D
 Acq On : 31 Aug 2020 11:58
 Operator : JC/SP
 Sample : VX0831WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBL01

Quant Time: Sep 01 05:28:47 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

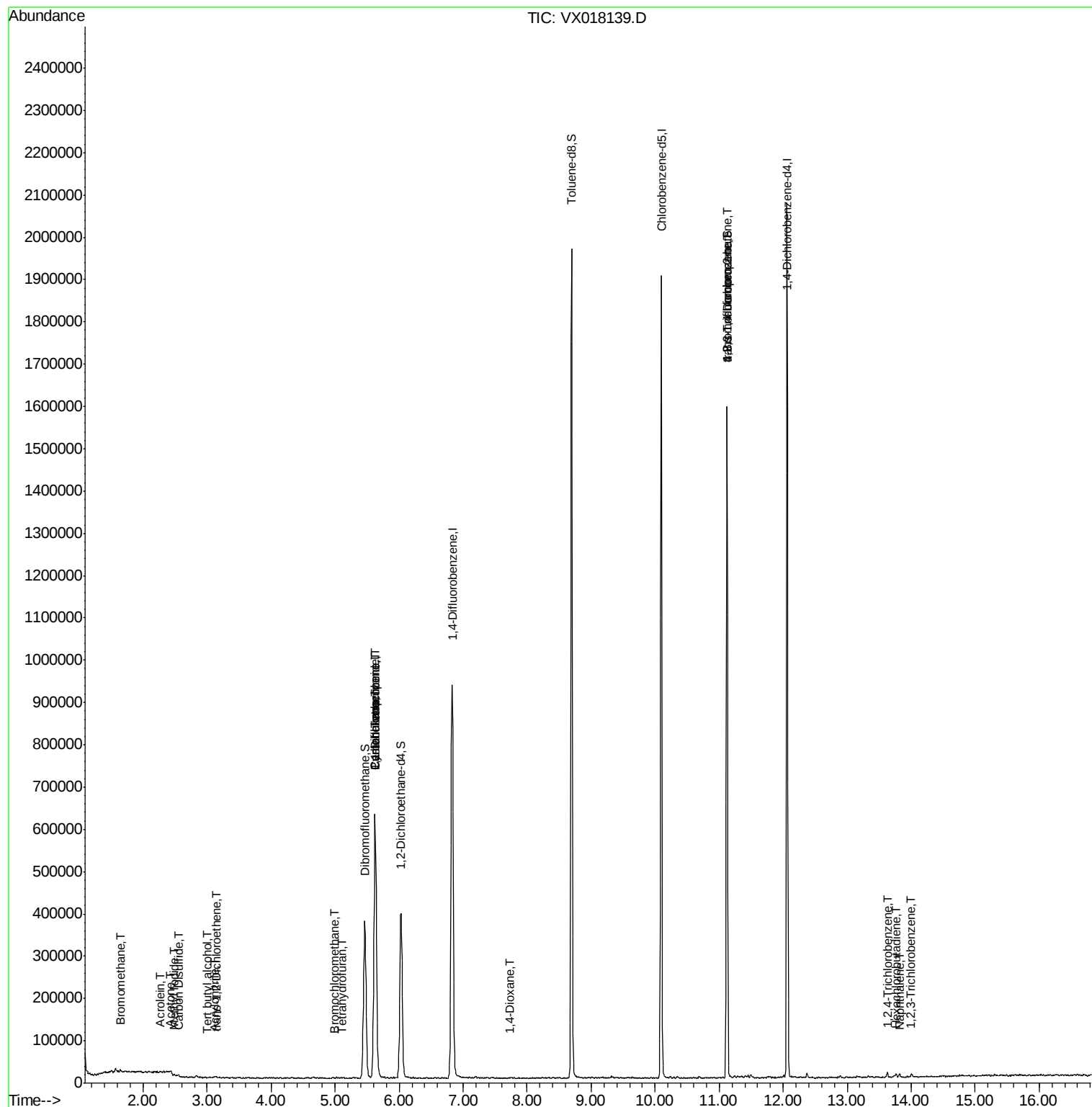
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	594399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	972684	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	866161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	405764	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	393211	47.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.30%	
35) Dibromofluoromethane	5.46	113	319158	48.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.36%	
50) Toluene-d8	8.70	98	1160533	47.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.08%	
62) 4-Bromofluorobenzene	11.12	95	421560	43.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.86%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	2247	0.613	ug/l	92
10) Methyl Iodide	2.49	142	3545	5.816	ug/l #	78
11) Tert butyl alcohol	3.00	59	575	0.358	ug/l #	80
13) Acrolein	2.26	56	1006	1.512	ug/l	93
15) Acrylonitrile	3.12	53	2666	0.733	ug/l #	76
16) Acetone	2.42	43	3599	1.119	ug/l #	86
17) Carbon Disulfide	2.56	76	5978	0.340	ug/l #	93
20) Methylene Chloride	2.84	84	2646	Below Cal	#	41
21) trans-1,2-Dichloroethene	3.14	96	1472	0.229	ug/l #	64
28) Bromochloromethane	4.99	49	1459	0.258	ug/l #	31
29) Tetrahydrofuran	5.10	42	891	0.265	ug/l #	75
31) Cyclohexane	5.62	56	12708	1.287	ug/l #	11
36) 1,1-Dichloropropene	5.63	75	44512	4.961	ug/l #	53
38) Carbon Tetrachloride	5.62	117	59107	5.846	ug/l #	16
49) 1,4-Dioxane	7.73	88	270	1.779	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	208217	23.068	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	208217	62.302	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	2984	0.366	ug/l	89
94) Hexachlorobutadiene	13.76	225	1189	0.370	ug/l	97
95) Naphthalene	13.82	128	5368	0.200	ug/l #	85
96) 1,2,3-Trichlorobenzene	14.01	180	2095	0.260	ug/l #	83

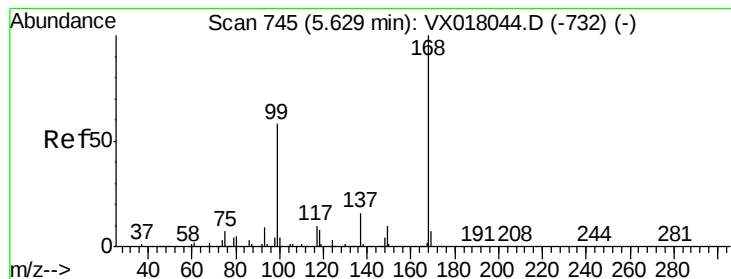
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX083120\
Data File : VX018139.D
Acq On : 31 Aug 2020 11:58
Operator : JC/SP
Sample : VX0831WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBL01

Quant Time: Sep 01 05:28:47 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: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

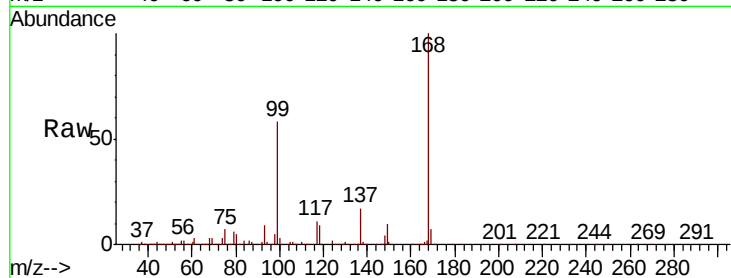
VX0831WBL01

Tot Ion:168 Resp: 594399

Ion Ratio Lower Upper

168 100

99 58.0 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

200000

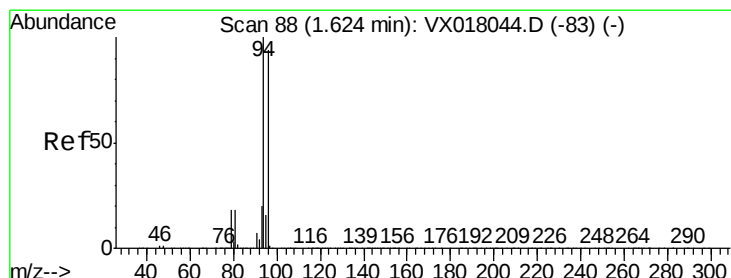
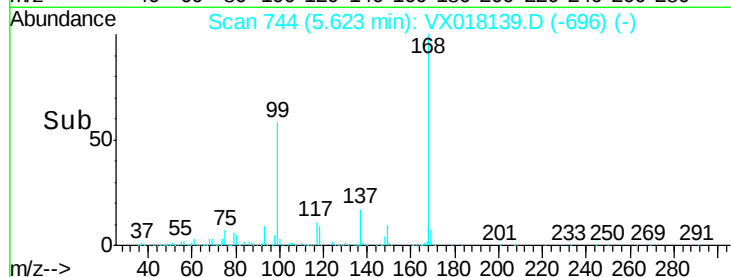
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.613 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018139.D

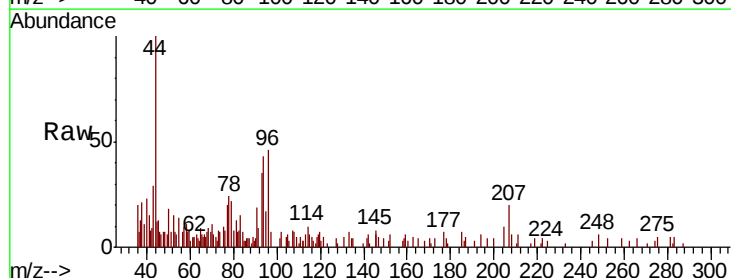
Acq: 31 Aug 2020 11:58

Tgt Ion: 94 Resp: 2247

Ion Ratio Lower Upper

94 100

96 85.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

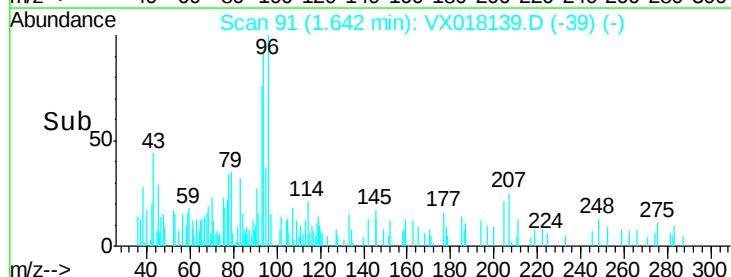
1.64

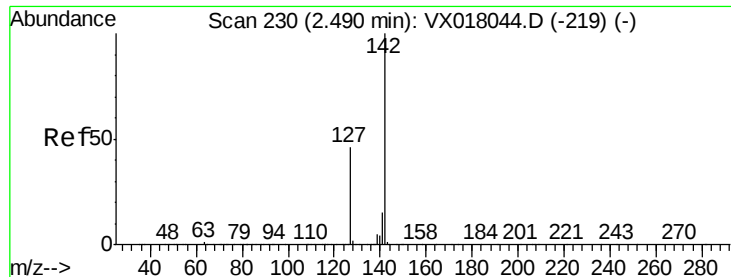
1000

500

0

Time-->

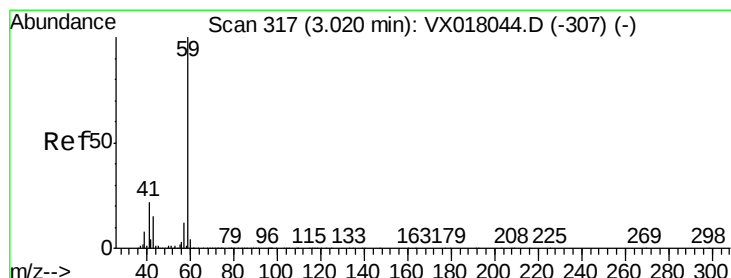
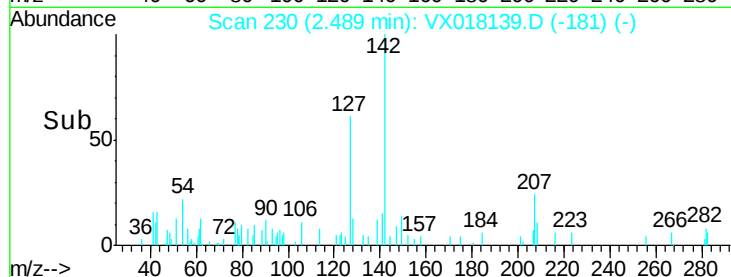
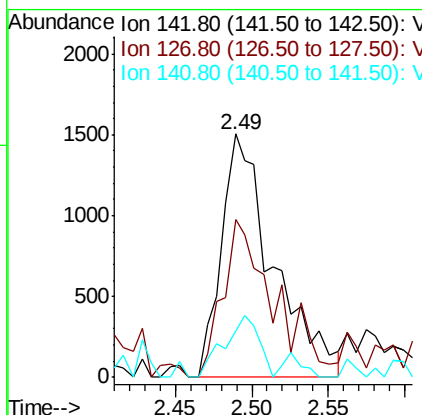
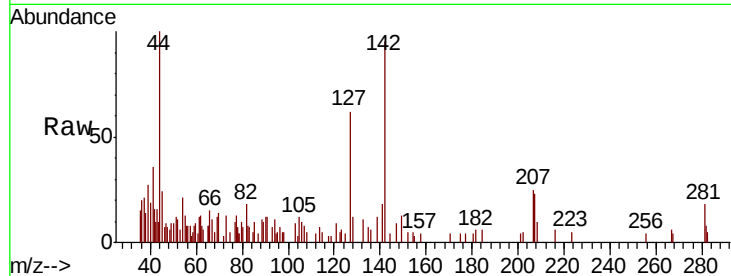




#10
Methvl Iodide
Concen: 5.816 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018139.D
Acq: 31 Aug 2020 11:58

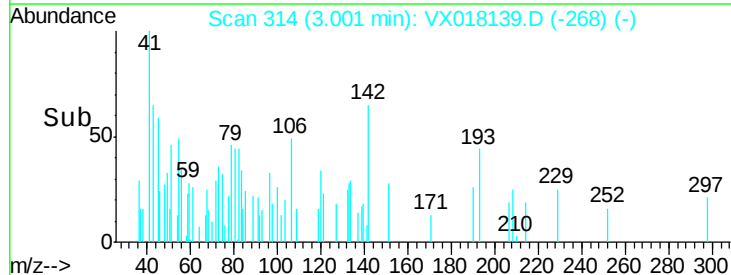
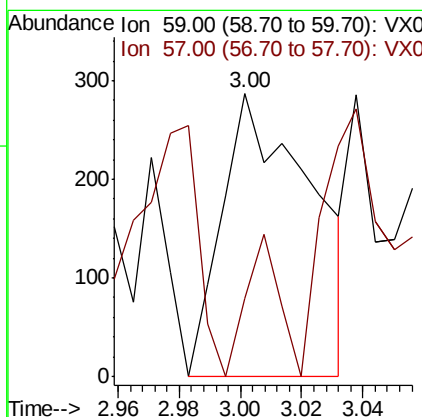
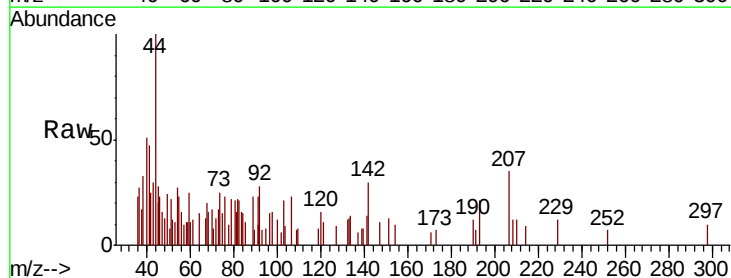
Instrument :
MSVOA_X
ClientSampleId :
VX0831WBL01

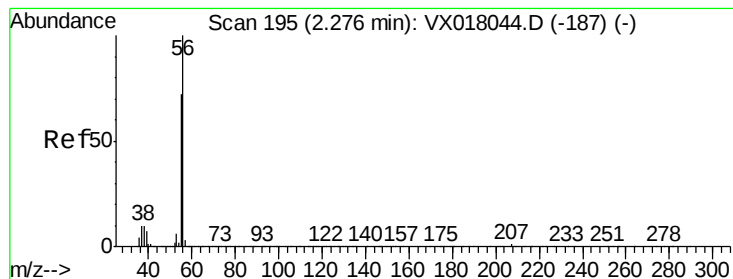
Tot Ion:142 Resp: 3545
Ion Ratio Lower Upper
142 100
127 64.3 37.0 55.6#
141 17.0 11.5 17.3



#11
Tert butyl alcohol
Concen: 0.358 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018139.D
Acq: 31 Aug 2020 11:58

Tgt Ion: 59 Resp: 575
Ion Ratio Lower Upper
59 100
57 18.8 8.9 13.3#





#13

Acrolein

Concen: 1.512 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

Instrument :

MSVOA_X

ClientSampled :

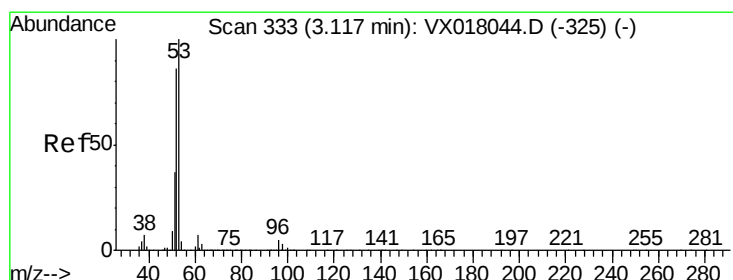
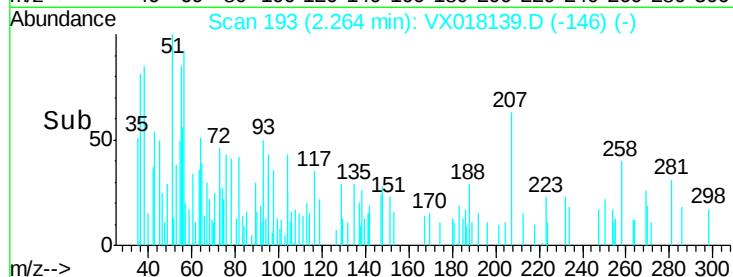
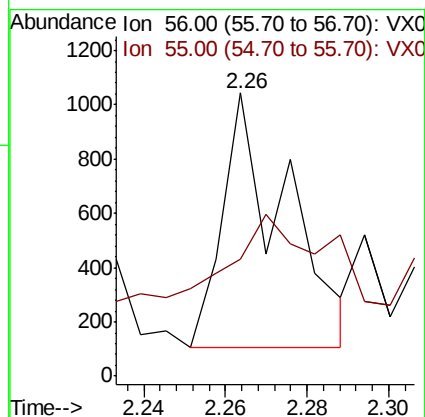
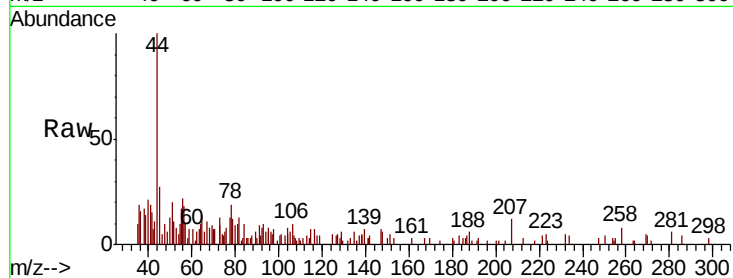
VX0831WBL01

Tot Ion: 56 Resp: 1006

Ion Ratio Lower Upper

56 100

55 65.6 57.0 85.6



#15

Acrylonitrile

Concen: 0.733 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

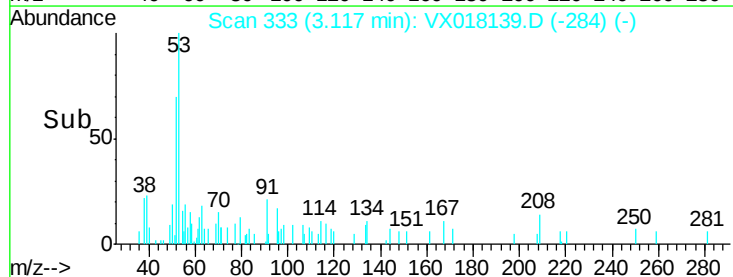
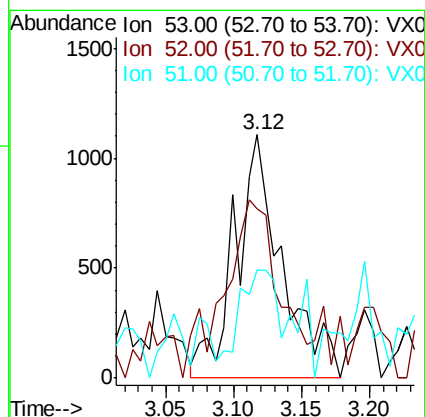
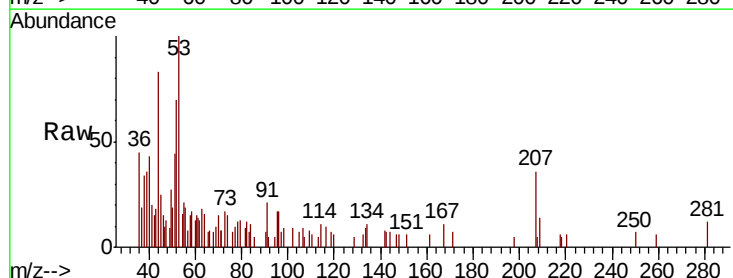
Tgt Ion: 53 Resp: 2666

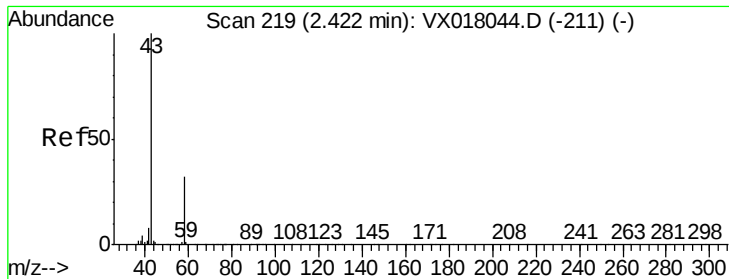
Ion Ratio Lower Upper

53 100

52 57.5 66.9 100.3#

51 27.8 28.7 43.1#





#16

Acetone

Concen: 1.119 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

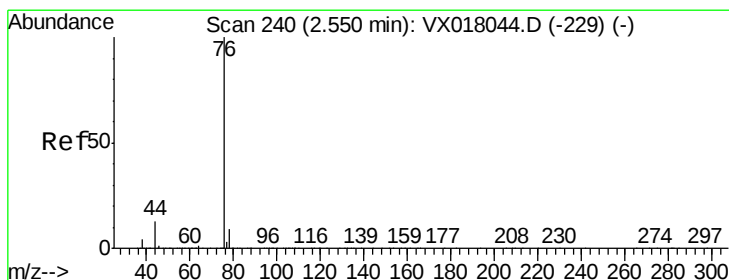
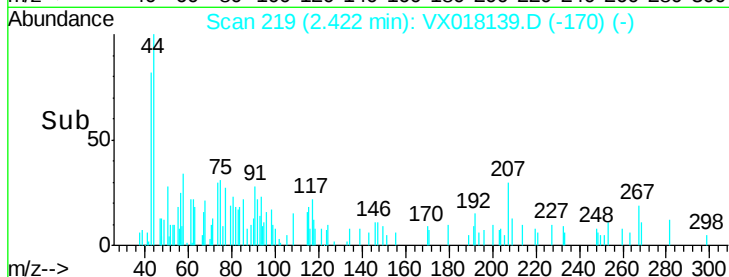
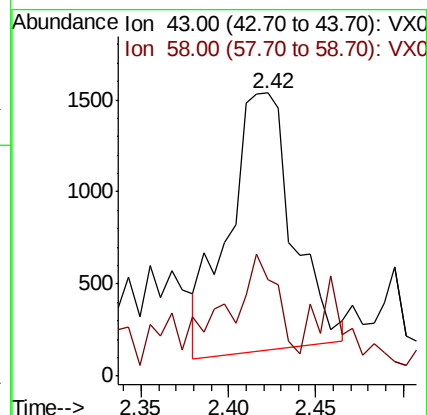
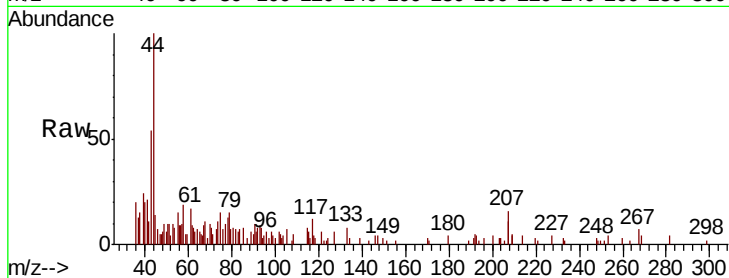
VX0831WBL01

Tot Ion: 43 Resp: 3599

Ion Ratio Lower Upper

43 100

58 24.3 25.5 38.3#



#17

Carbon Disulfide

Concen: 0.340 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018139.D

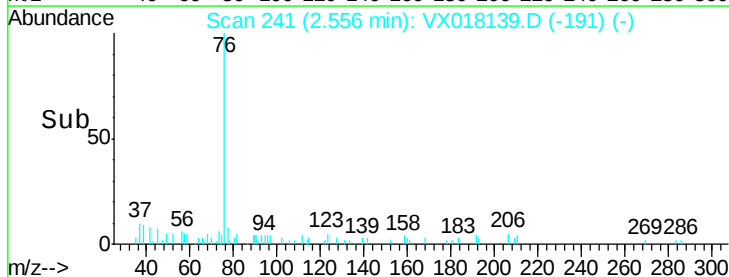
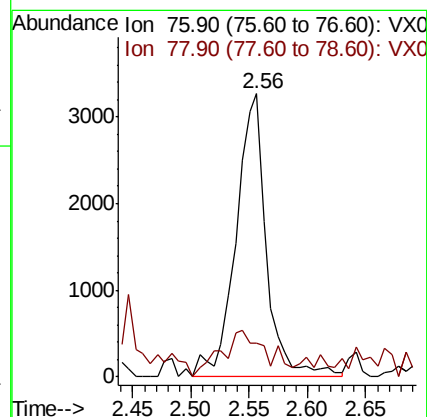
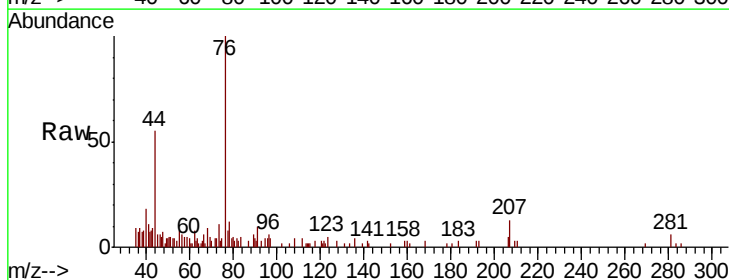
Acq: 31 Aug 2020 11:58

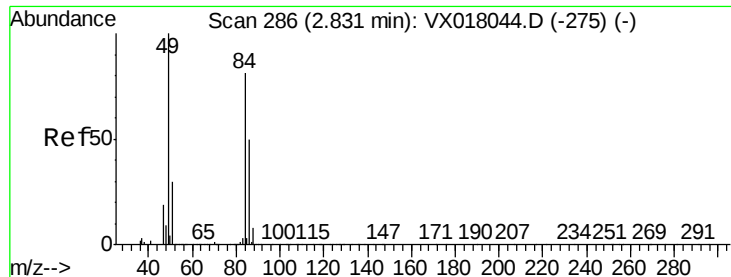
Tgt Ion: 76 Resp: 5978

Ion Ratio Lower Upper

76 100

78 11.7 7.4 11.0#

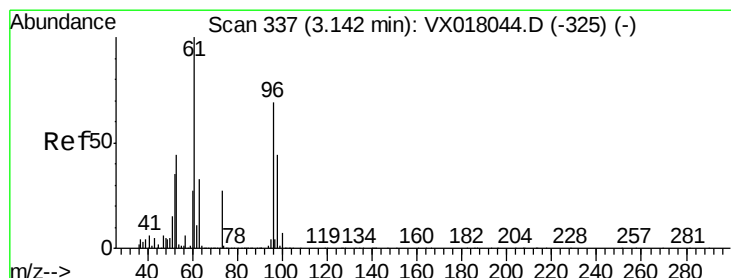
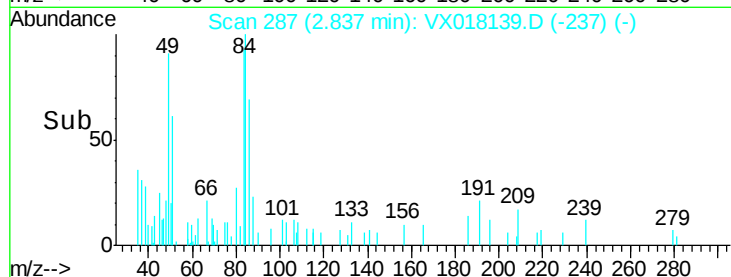
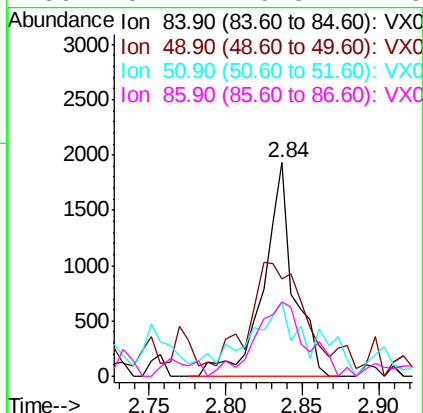
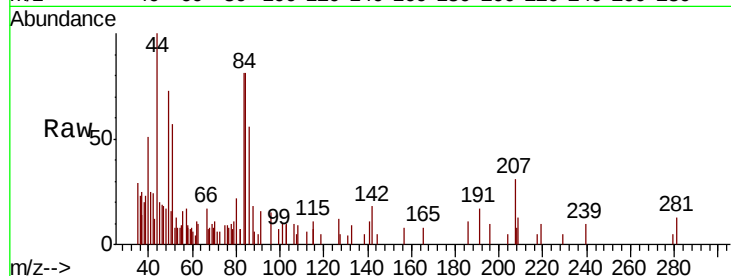




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018139.D
Acq: 31 Aug 2020 11:58

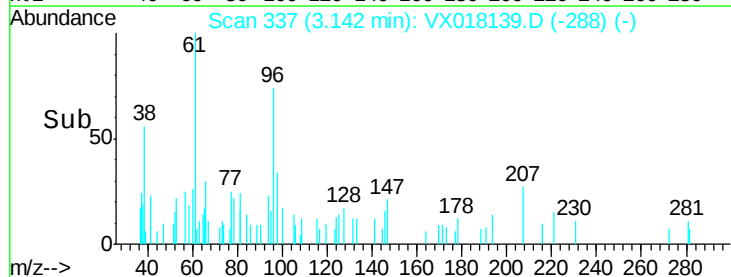
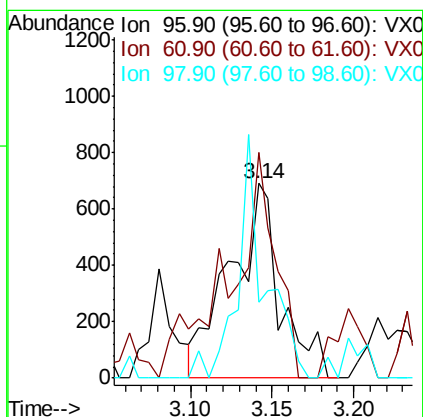
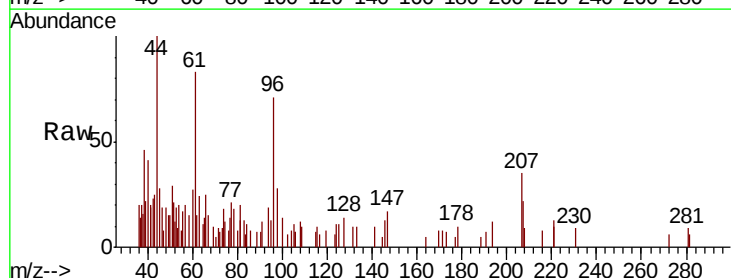
Instrument :
MSVOA_X
ClientSampleId :
VX0831WBL01

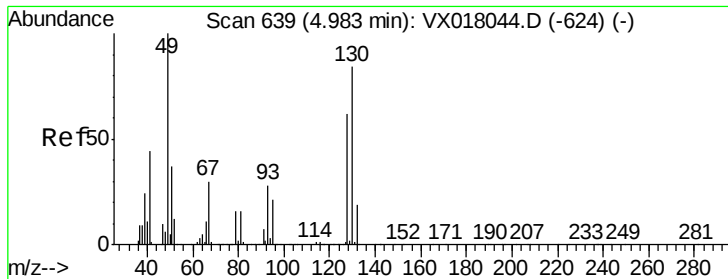
Tot Ion: 84 Resp: 2646
Ion Ratio Lower Upper
84 100
49 28.9 98.6 148.0#
51 29.0 29.6 44.4#
86 34.7 49.8 74.6#



#21
trans-1,2-Dichloroethene
Concen: 0.229 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX018139.D
Acq: 31 Aug 2020 11:58

Tgt Ion: 96 Resp: 1472
Ion Ratio Lower Upper
96 100
61 97.5 115.4 173.0#
98 39.2 51.1 76.7#





#28

Bromochloromethane

Concen: 0.258 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBL01

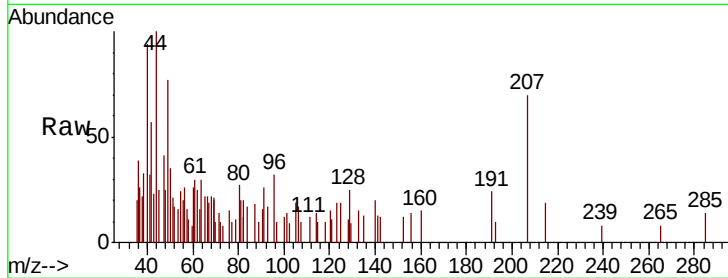
Tot Ion: 49 Resp: 1459

Ion Ratio Lower Upper

49 100

129 6.2 0.0 4.6#

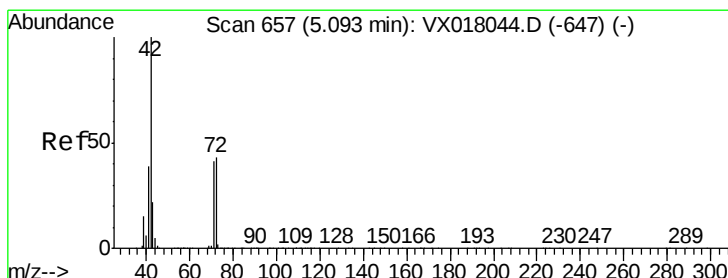
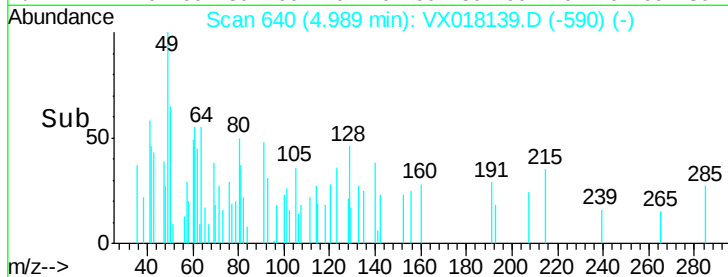
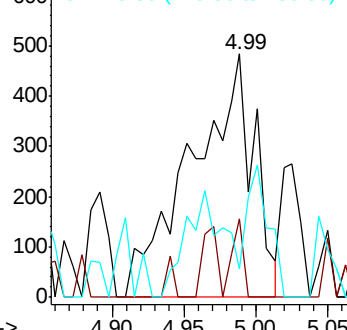
130 18.4 64.6 96.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.265 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

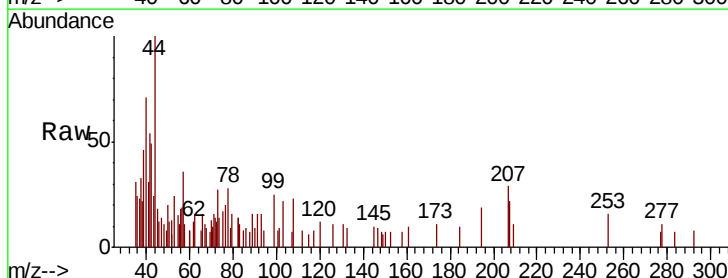
Tgt Ion: 42 Resp: 891

Ion Ratio Lower Upper

42 100

72 62.0 34.2 51.4#

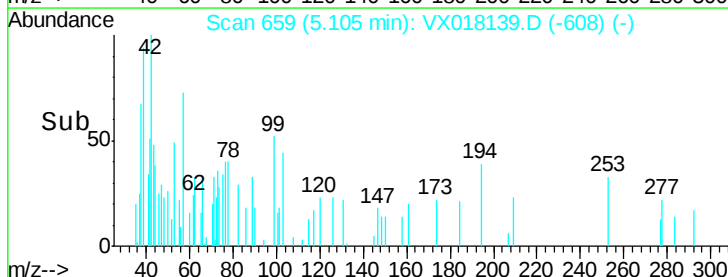
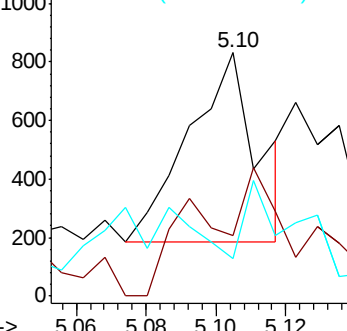
71 52.5 32.1 48.1#

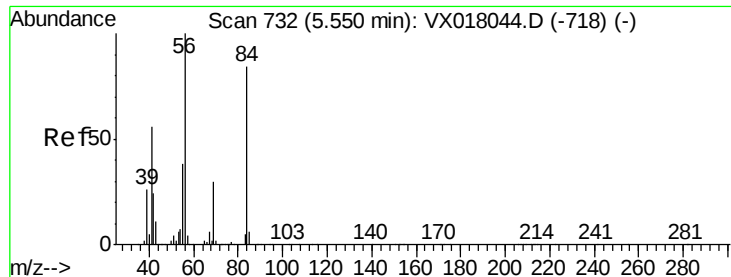


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.287 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBL01

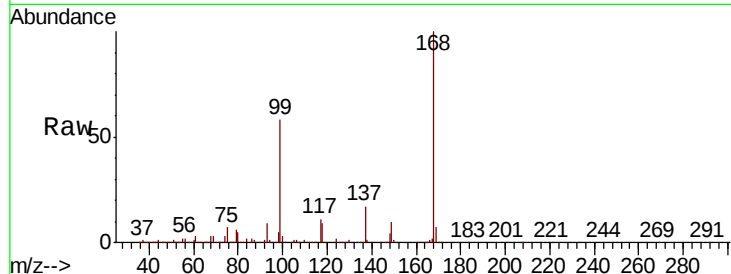
Tot Ion: 56 Resp: 12708

Ion Ratio Lower Upper

56 100

69 148.3 23.9 35.9#

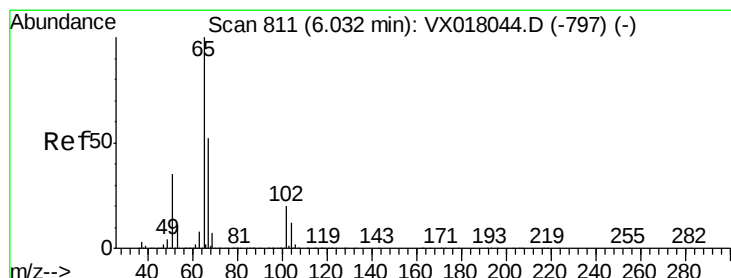
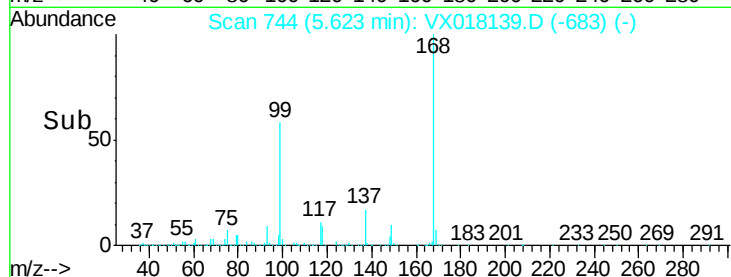
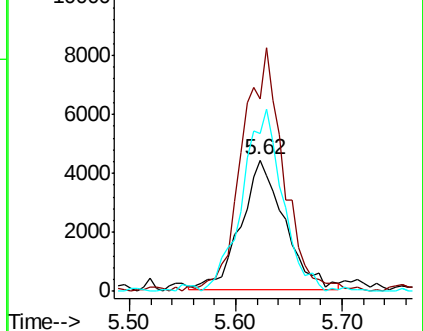
84 122.7 67.0 100.4#



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



#33

1,2-Dichloroethane-d4

Concen: 47.652 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX018139.D

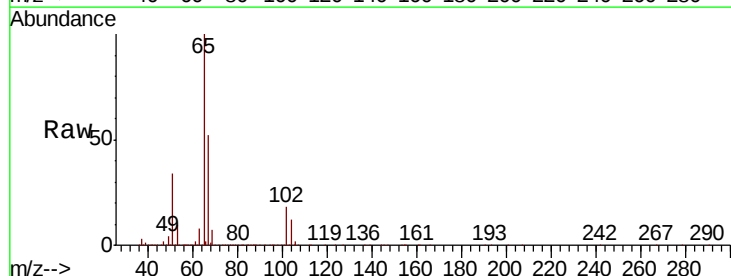
Acq: 31 Aug 2020 11:58

Tgt Ion: 65 Resp: 393211

Ion Ratio Lower Upper

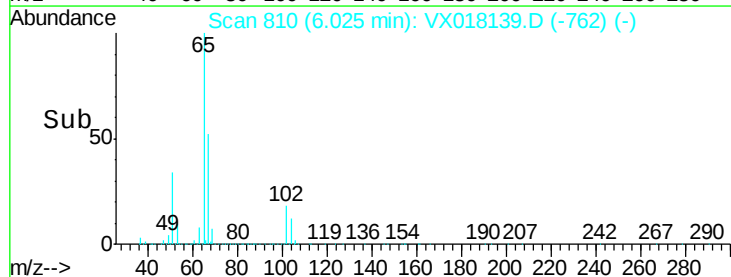
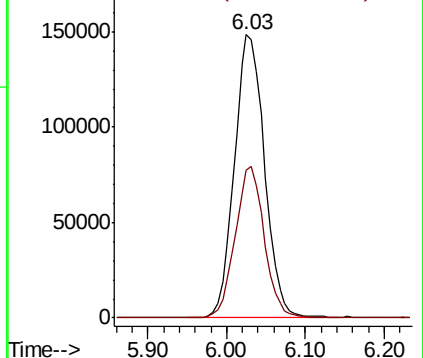
65 100

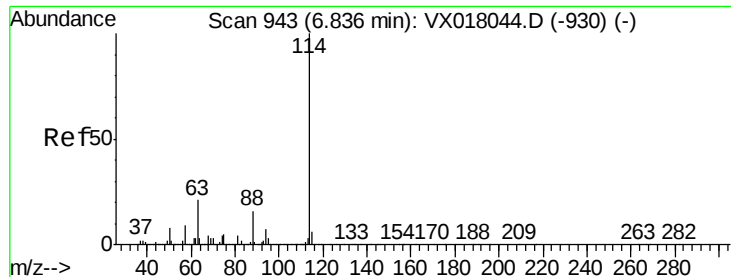
67 52.0 0.0 105.8



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. -0.01 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBL01

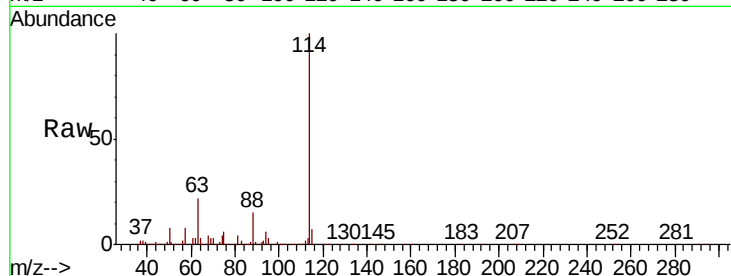
Tot Ion:114 Resp: 972684

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.6

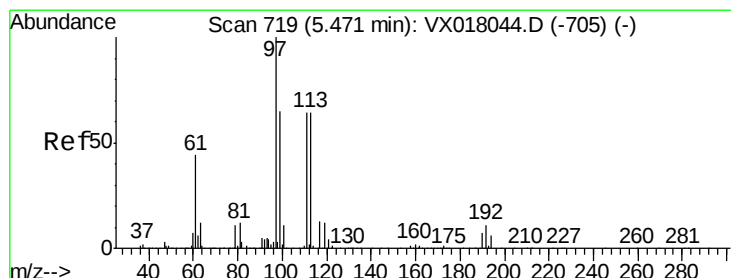
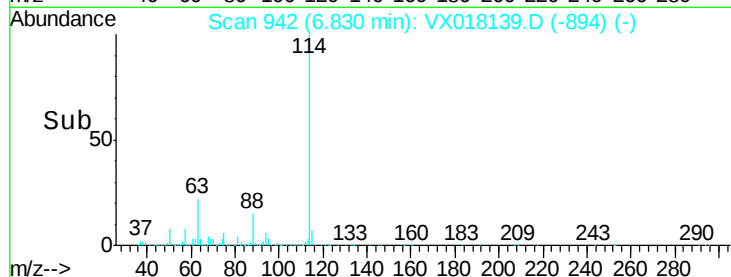
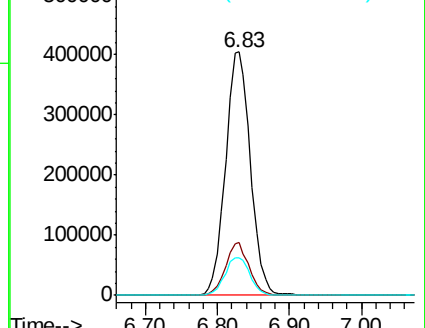
88 15.2 0.0 31.8



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: 48.179 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

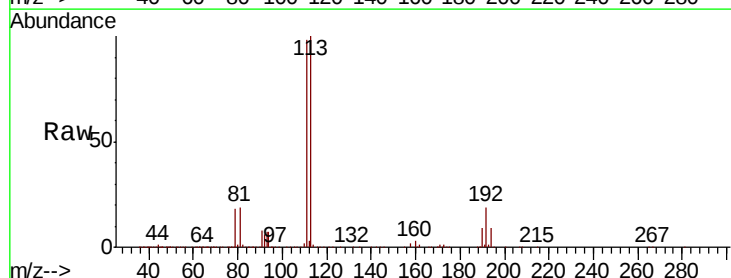
Tgt Ion:113 Resp: 319158

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

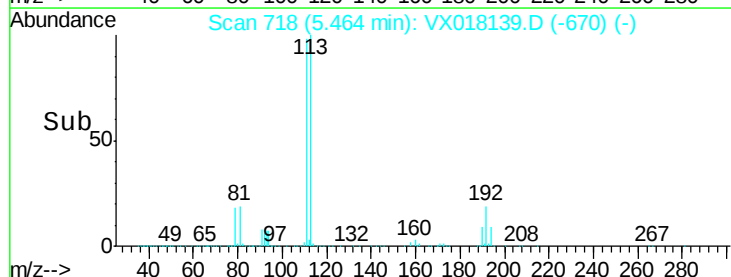
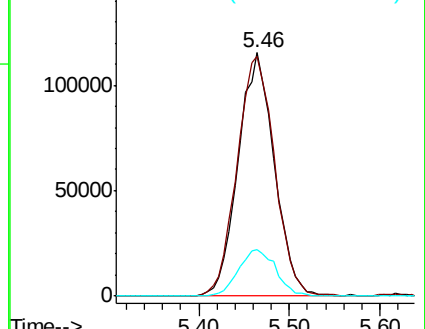
192 20.0 15.8 23.8

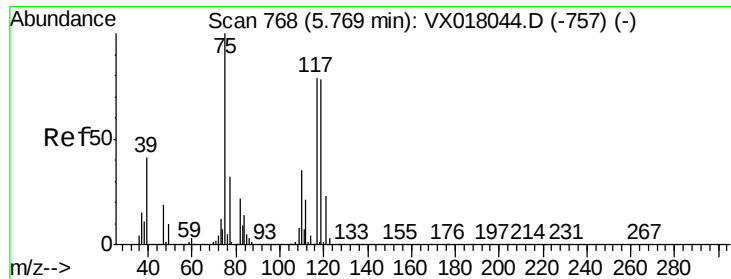


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.961 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBL01

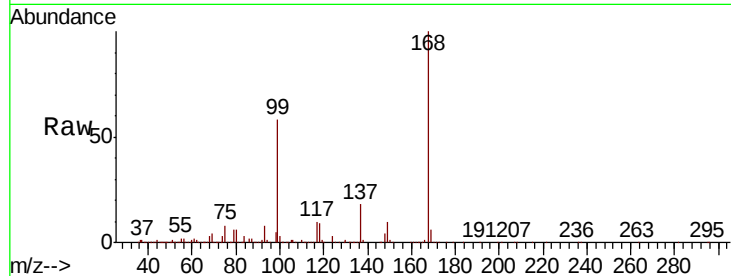
Tot Ion: 75 Resp: 44512

Ion Ratio Lower Upper

75 100

110 11.2 18.0 54.0#

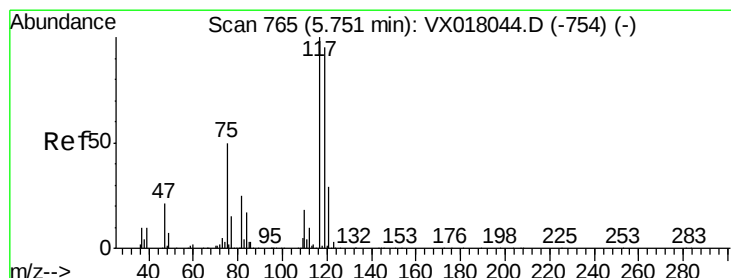
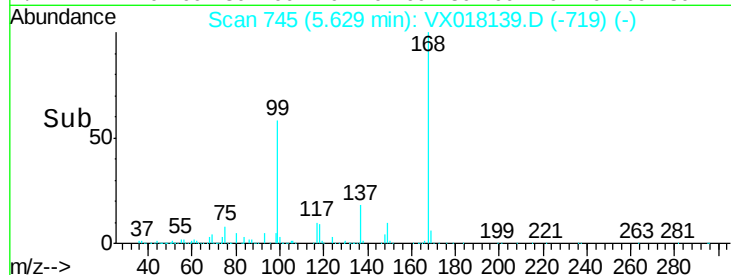
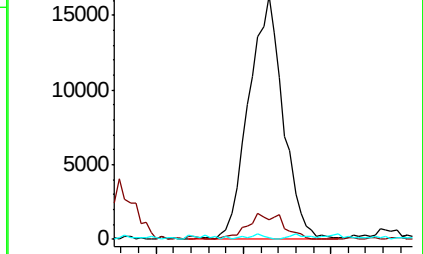
77 1.2 24.4 36.6#



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: 5.846 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

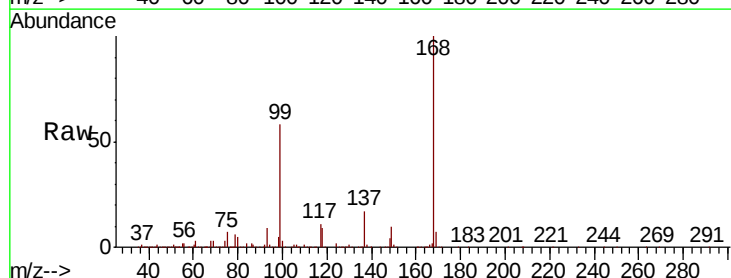
Tgt Ion:117 Resp: 59107

Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.6#

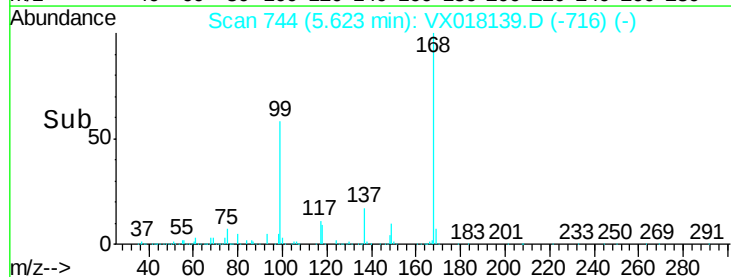
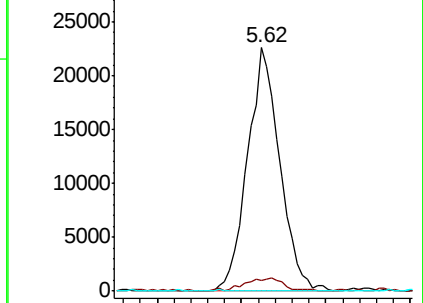
121 0.0 23.4 35.0#

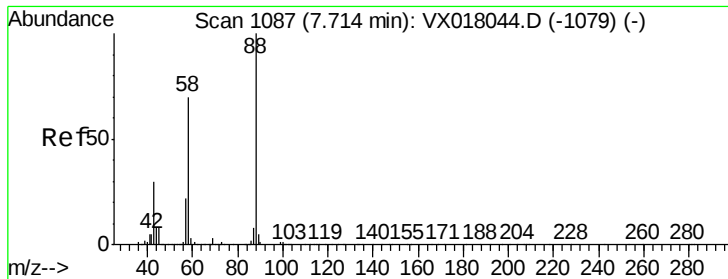


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.779 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBL01

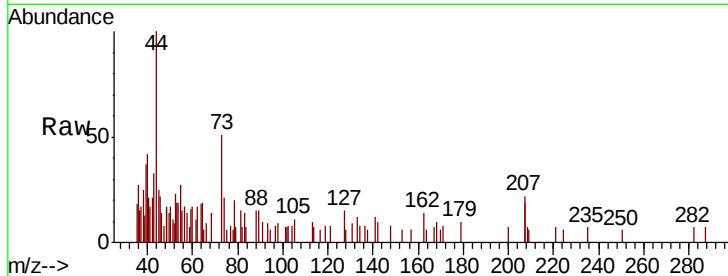
Tot Ion: 88 Resp: 270

Ion Ratio Lower Upper

88 100

43 95.2 27.4 41.0#

58 168.5 56.4 84.6#



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

500

400

300

200

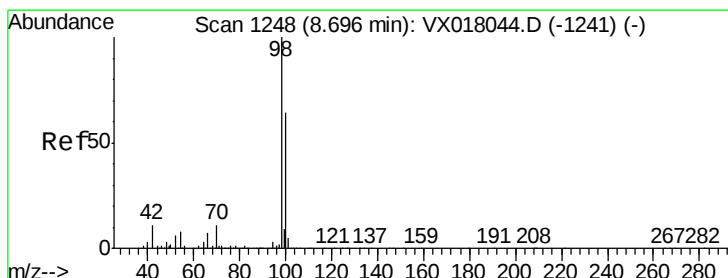
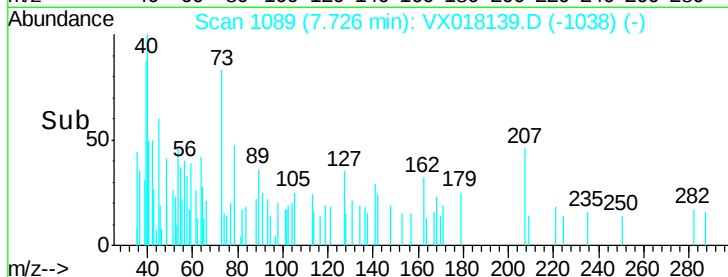
100

0

7.70

7.75

Time-->



#50

Toluene-d8

Concen: 47.036 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018139.D

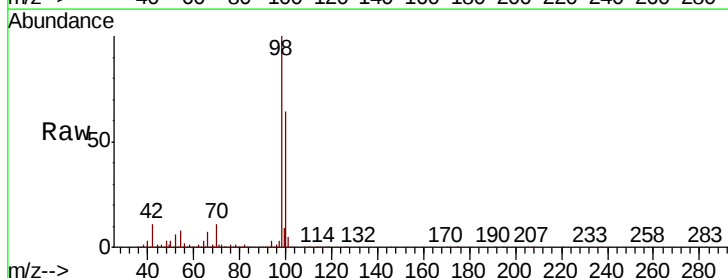
Acq: 31 Aug 2020 11:58

Tgt Ion: 98 Resp: 1160533

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

800000

600000

400000

200000

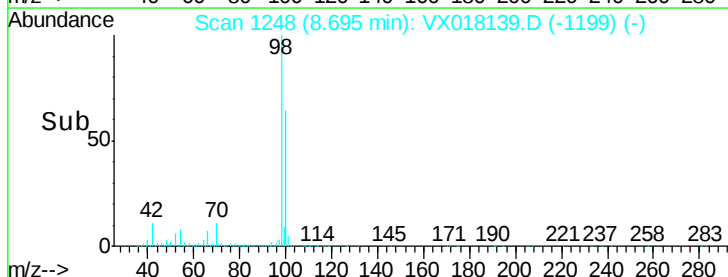
0

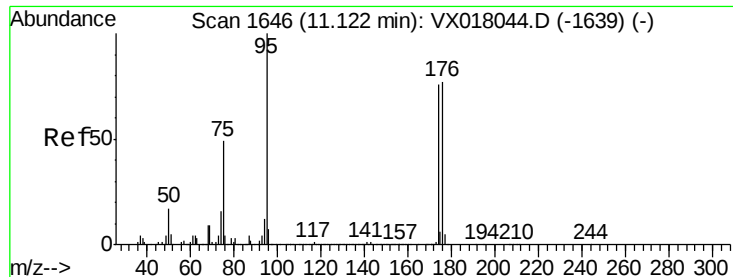
8.60

8.70

8.80

Time-->

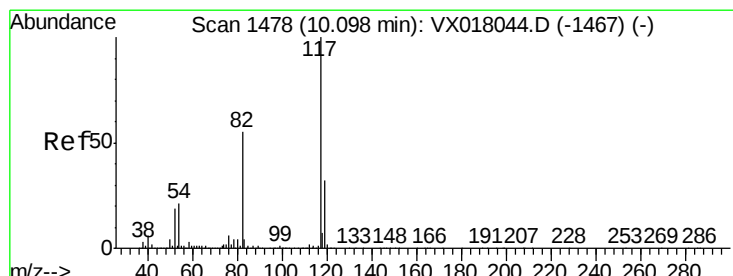
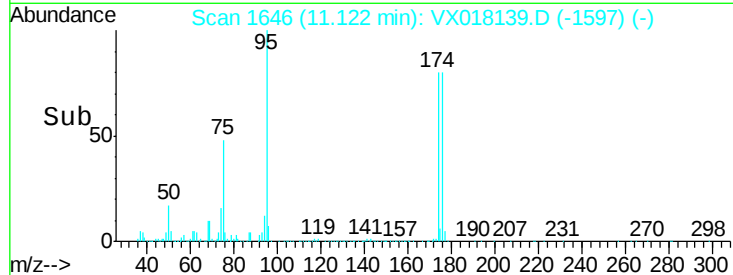
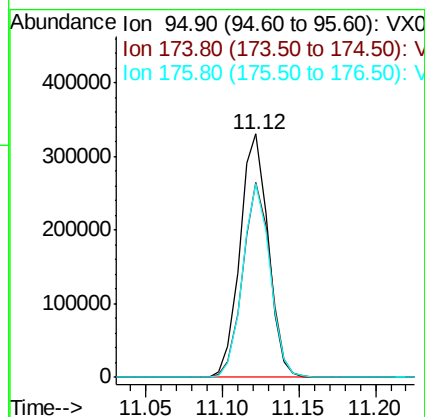
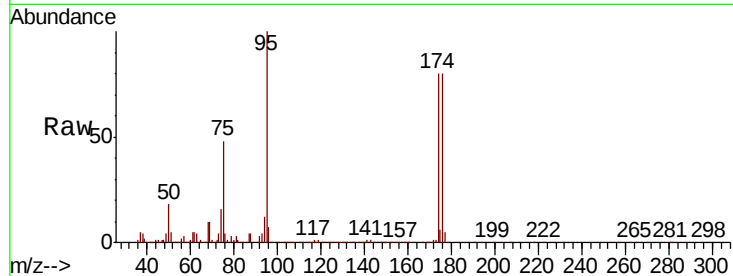




#62
4-Bromofluorobenzene
Concen: 43.427 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018139.D
Acq: 31 Aug 2020 11:58

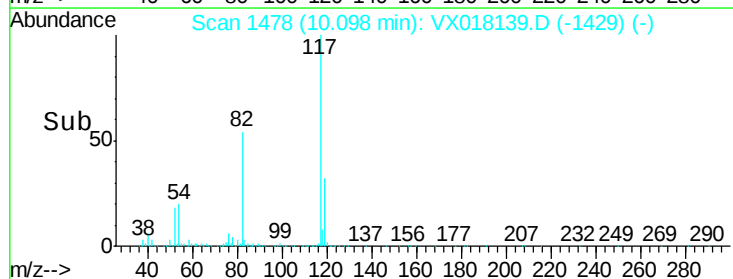
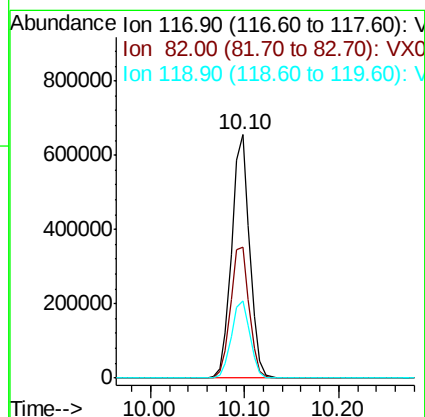
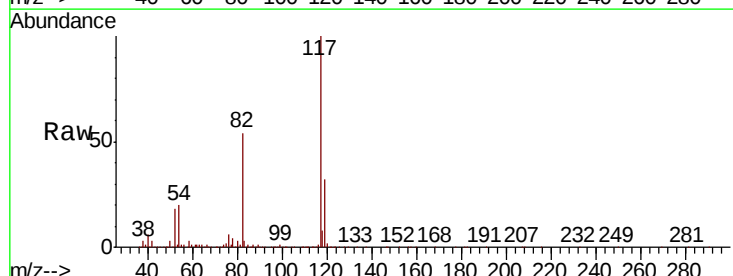
Instrument :
MSVOA_X
ClientSampleId :
VX0831WBL01

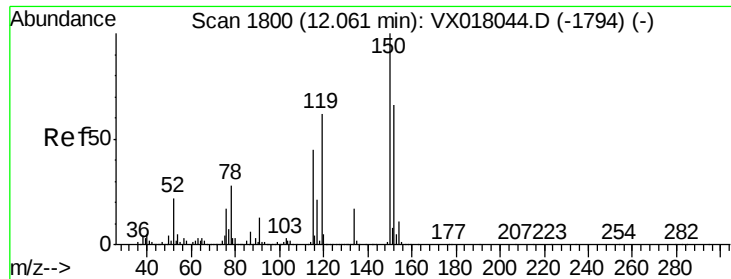
Tot Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	160.2
176	76.8	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018139.D
Acq: 31 Aug 2020 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.2	66.2
119	31.7	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: VX018139.D

Acq: 31 Aug 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBL01

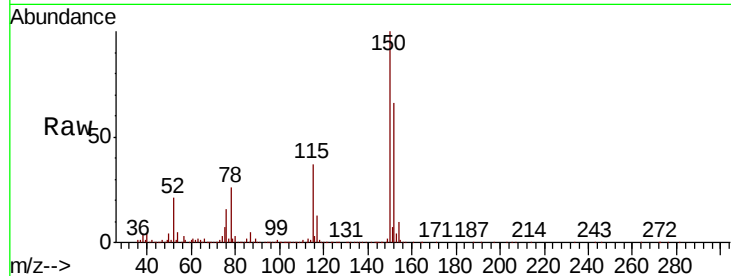
Tot Ion:152 Resp: 405764

Ion Ratio Lower Upper

152 100

115 59.7 41.5 124.5

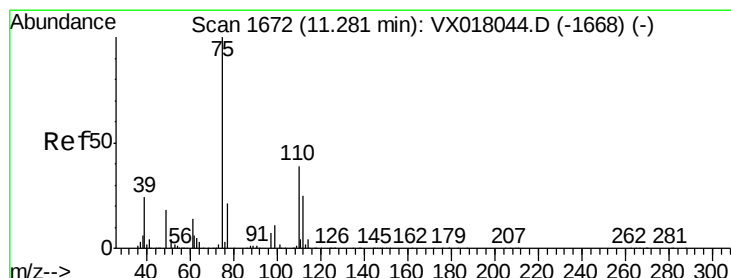
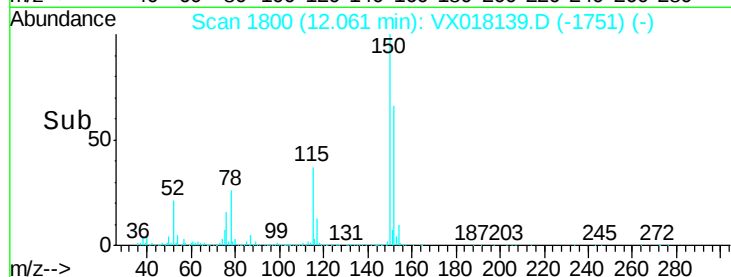
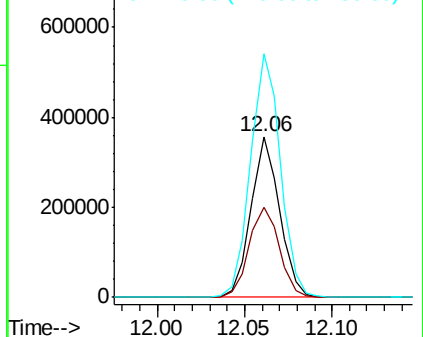
150 158.1 0.0 343.8



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: 23.068 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018139.D

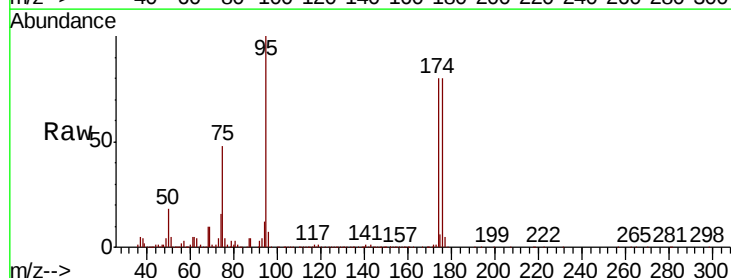
Acq: 31 Aug 2020 11:58

Tgt Ion: 75 Resp: 208217

Ion Ratio Lower Upper

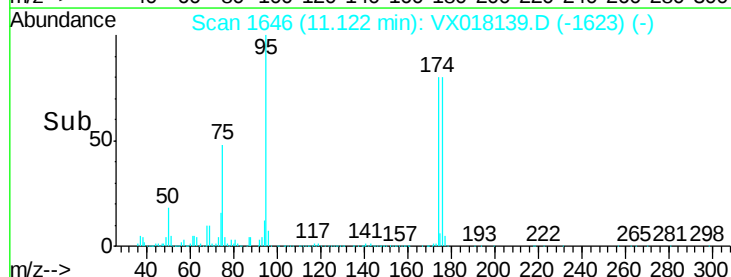
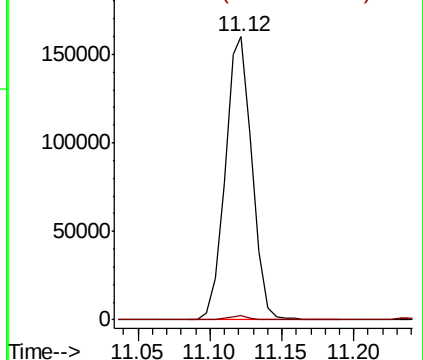
75 100

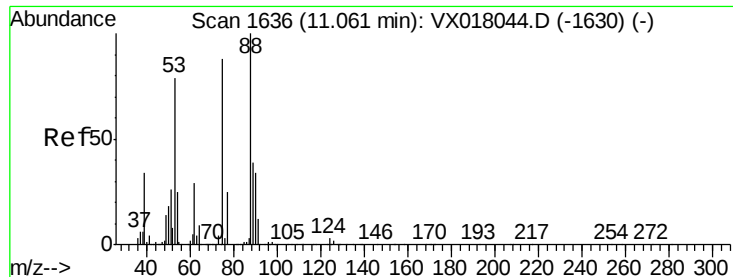
77 1.3 20.8 62.2#



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: 62.302 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBL01

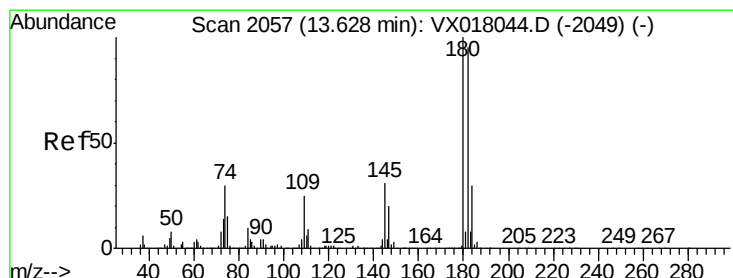
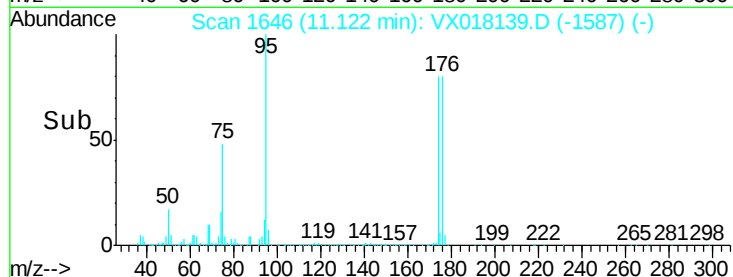
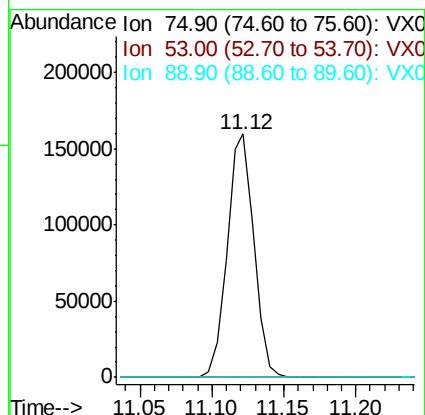
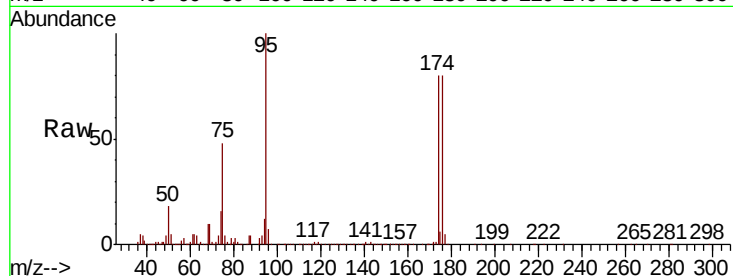
Tot Ion: 75 Resp: 208217

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.6 54.8#



#93

1,2,4-Trichlorobenzene

Concen: 0.366 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

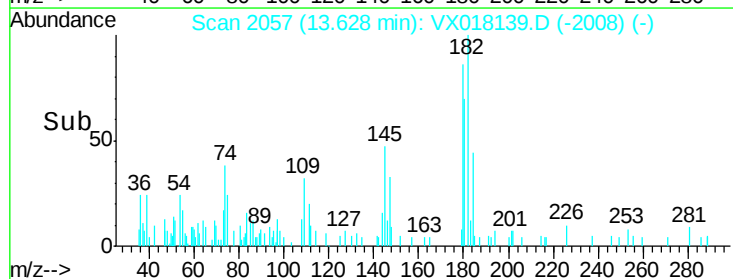
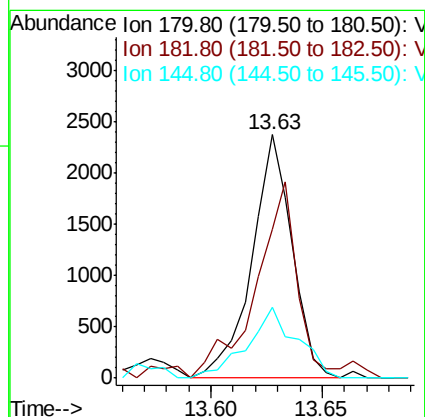
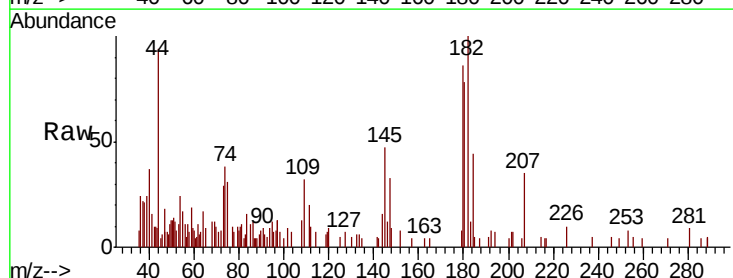
Tgt Ion: 180 Resp: 2984

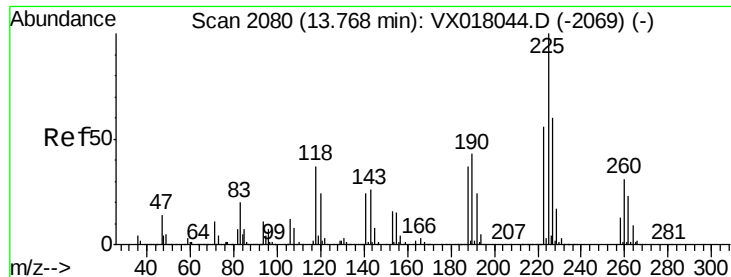
Ion Ratio Lower Upper

180 100

182 83.4 47.5 142.6

145 35.9 15.7 47.1





#94

Hexachlorobutadiene

Concen: 0.370 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

Instrument :

MSVOA_X

ClientSampled :

VX0831WBL01

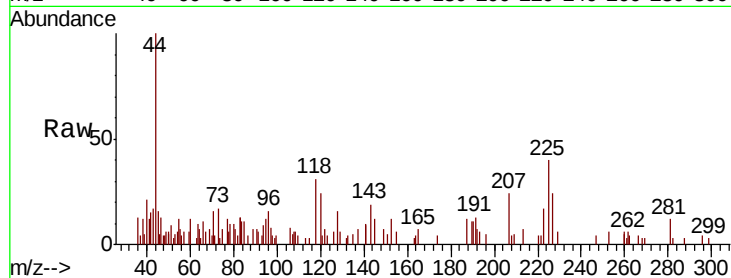
Tot Ion:225 Resp: 1189

Ion Ratio Lower Upper

225 100

223 63.3 30.7 92.1

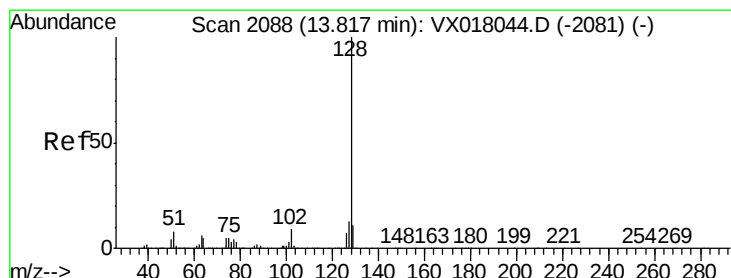
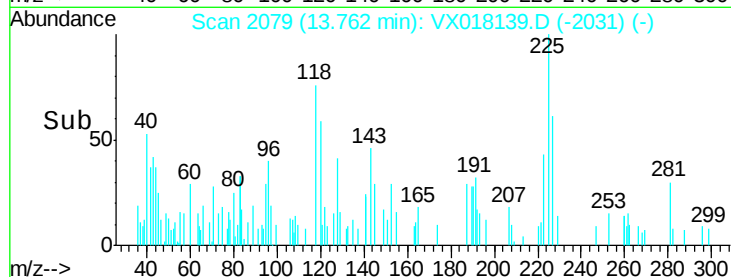
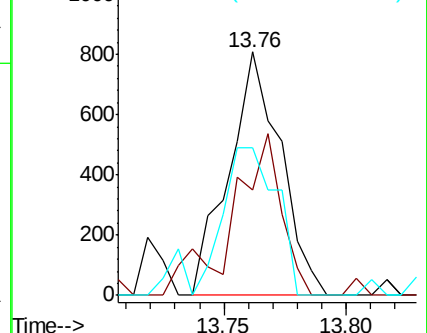
227 63.1 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.200 ug/l

RT: 13.82 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

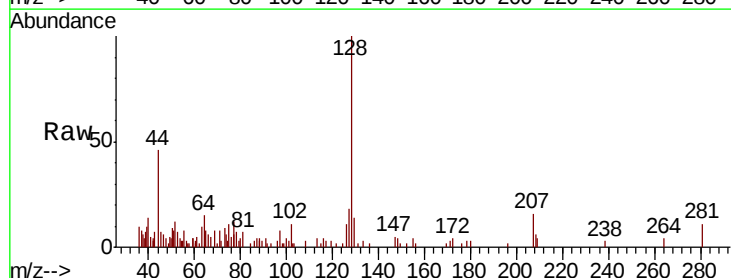
Tgt Ion:128 Resp: 5368

Ion Ratio Lower Upper

128 100

127 17.7 10.2 15.2#

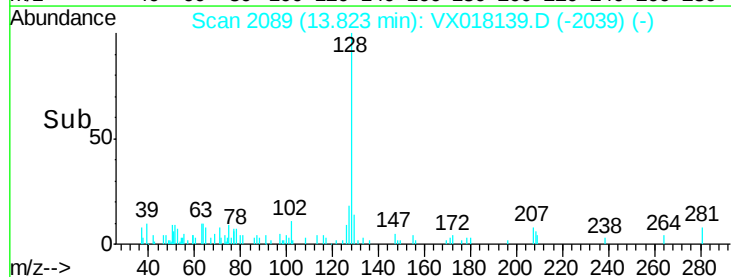
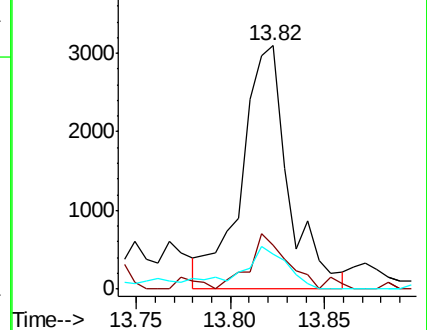
129 17.7 8.7 13.1#

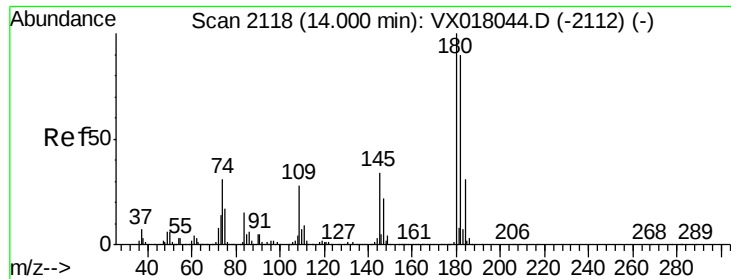


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.260 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX018139.D

Acq: 31 Aug 2020 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBL01

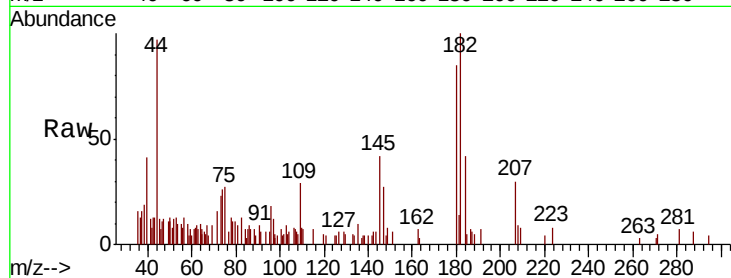
Tot Ion:180 Resp: 2095

Ion Ratio Lower Upper

180 100

182 102.8 47.3 142.0

145 57.7 17.5 52.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

