

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101220\
 Data File : VX018899.D
 Acq On : 12 Oct 2020 13:31
 Operator : JC/SP
 Sample : VX1012WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBL01

Quant Time: Oct 13 04:07:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100920W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 06:09:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	255712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	416840	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	395220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	207779	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	205405	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
35) Dibromofluoromethane	5.46	113	154253	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
50) Toluene-d8	8.70	98	513852	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.12	95	190557	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	

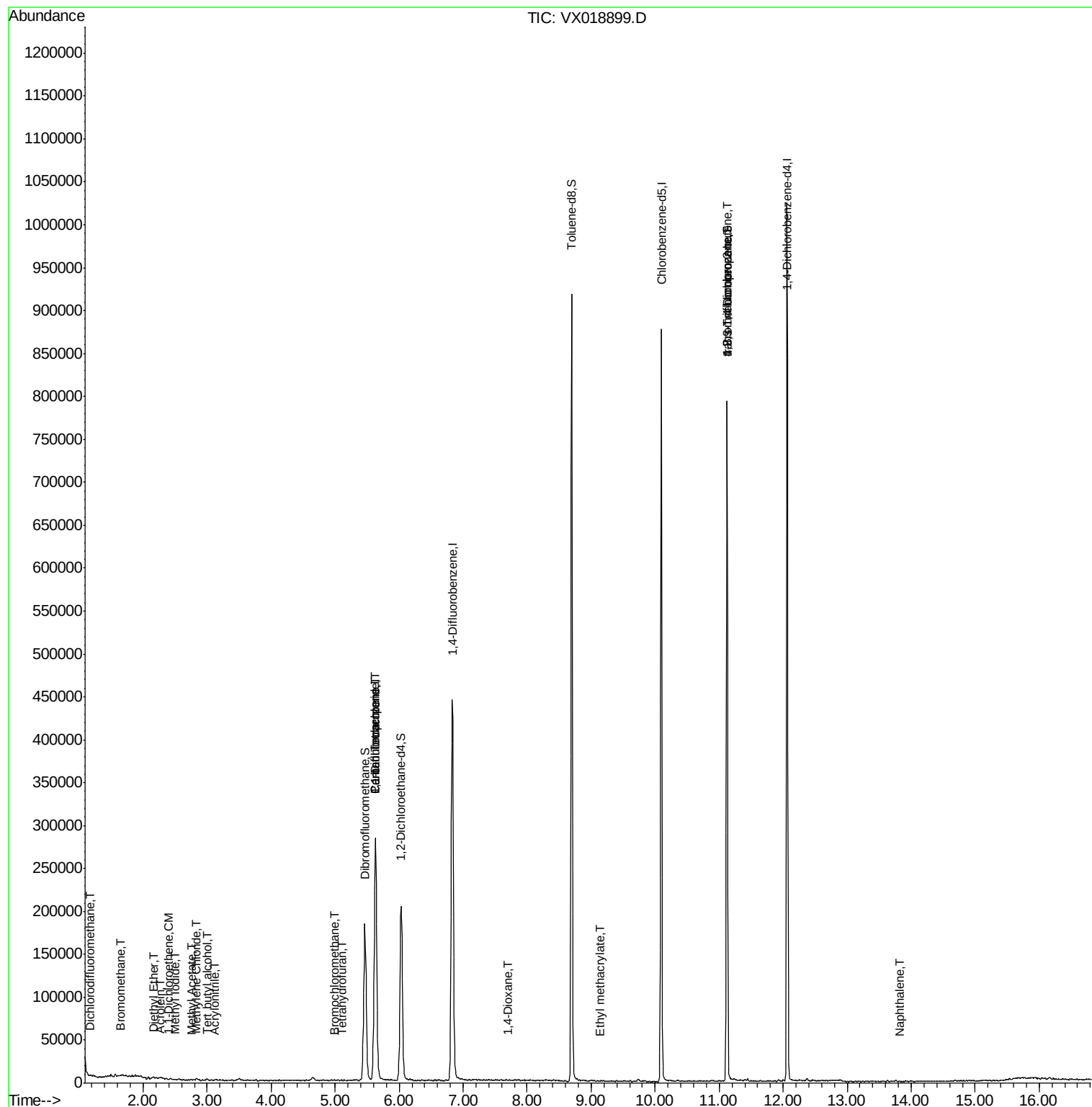
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	19	1.625	ug/l #	43
5) Bromomethane	1.64	94	746	0.500	ug/l #	25
8) Diethyl Ether	2.16	74	188	1.155	ug/l	100
10) Methyl Iodide	2.50	142	498	4.163	ug/l #	38
11) Tert butyl alcohol	3.00	59	1013	1.705	ug/l #	88
12) 1,1-Dichloroethene	2.40	96	78	0.737	ug/l #	1
13) Acrolein	2.28	56	548	1.109	ug/l #	60
15) Acrylonitrile	3.12	53	402	0.319	ug/l #	57
16) Acetone	2.42	43	1437	Below Cal	#	69
18) Methyl Acetate	2.76	43	651	0.208	ug/l #	60
20) Methylene Chloride	2.82	84	912	0.839	ug/l #	63
28) Bromochloromethane	4.99	49	266	1.635	ug/l #	43
29) Tetrahydrofuran	5.12	42	619	0.565	ug/l #	41
36) 1,1-Dichloropropene	5.63	75	20508	4.679	ug/l #	50
38) Carbon Tetrachloride	5.63	117	26886	4.949	ug/l #	19
49) 1,4-Dioxane	7.71	88	110	2.198	ug/l #	1
56) Ethyl methacrylate	9.13	69	38	2.942	ug/l #	1
64) Tetrachloroethene	9.32	164	102	Below Cal	#	62
76) 1,2,3-Trichloropropane	11.12	75	99784	22.288	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	99784	63.164	ug/l #	8
95) Naphthalene	13.81	128	633	3.119	ug/l #	87

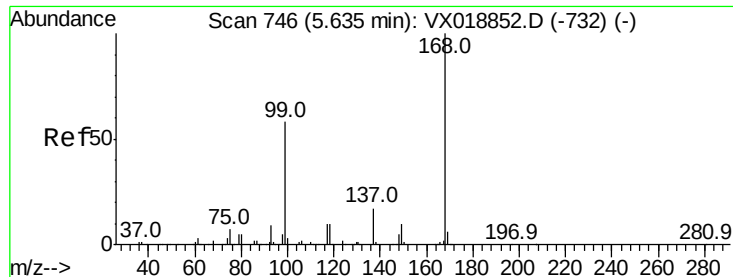
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 13 04:07:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100920W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 10 06:09:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

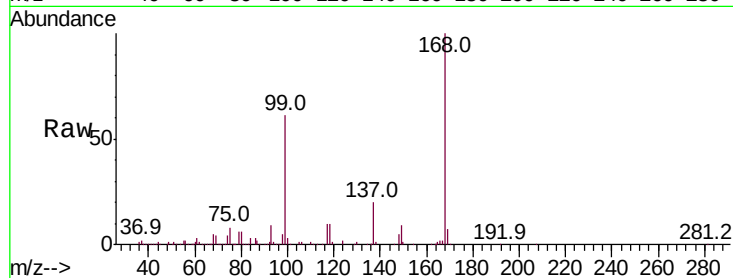
VX1012WBL01

Tot Ion:168 Resp: 255712

Ion Ratio Lower Upper

168 100

99 61.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

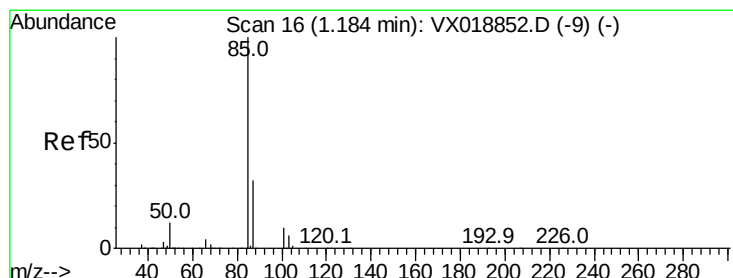
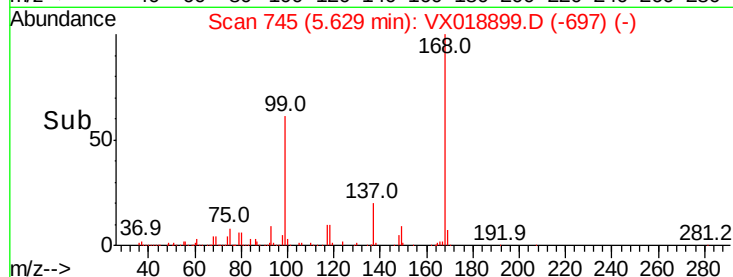
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.625 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX018899.D

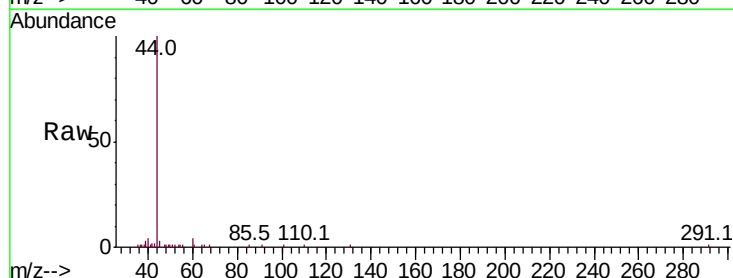
Acq: 12 Oct 2020 13:31

Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

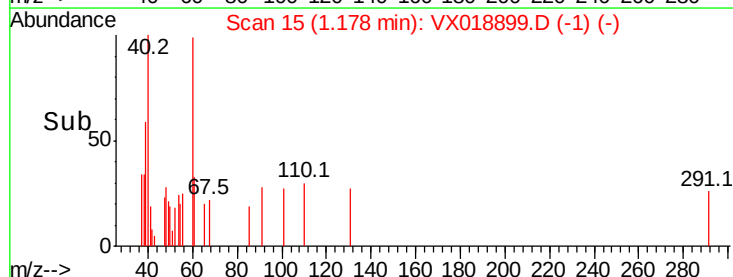
60

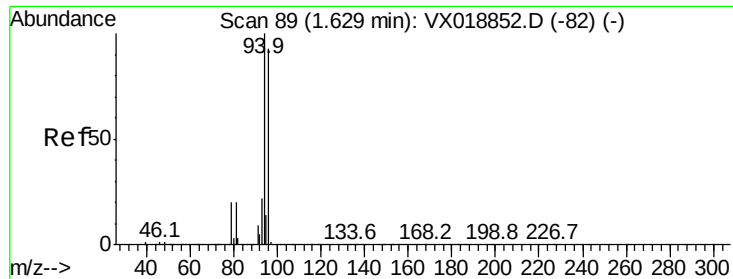
40

20

0

Time-->





#5

Bromomethane

Concen: 0.500 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

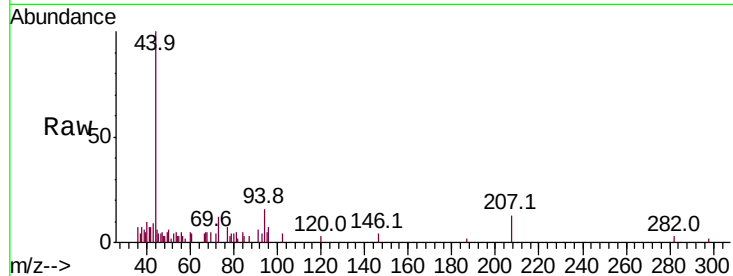
VX1012WBL01

Tot Ion: 94 Resp: 746

Ion Ratio Lower Upper

94 100

96 21.1 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

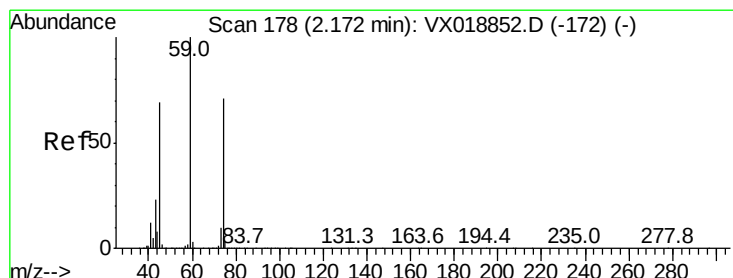
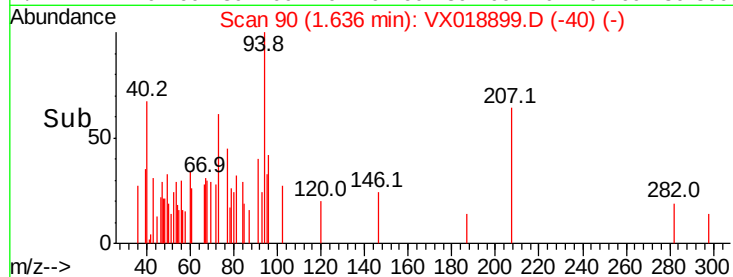
200

100

0

1.60 1.65 1.70

Time-->



#8

Diethyl Ether

Concen: 1.155 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX018899.D

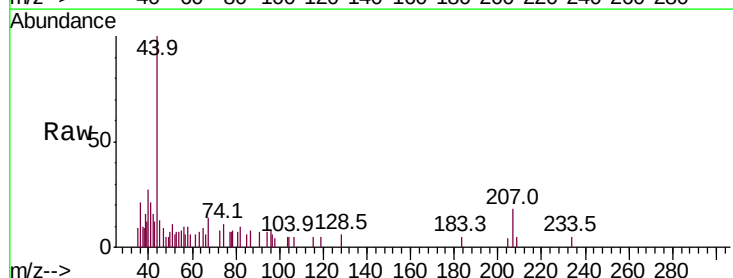
Acq: 12 Oct 2020 13:31

Tgt Ion: 74 Resp: 188

Ion Ratio Lower Upper

74 100

45 94.1 47.0 141.2



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

400

300

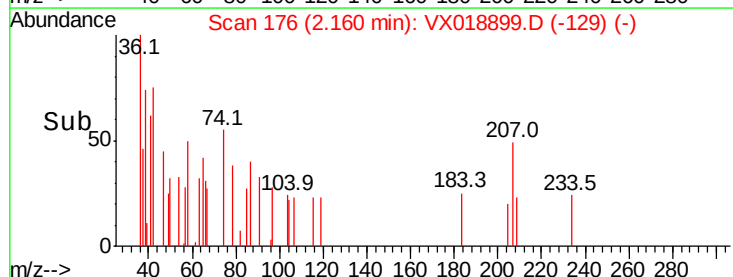
200

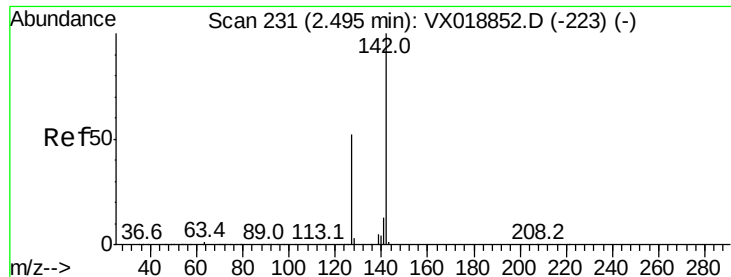
100

0

2.15 2.20

Time-->

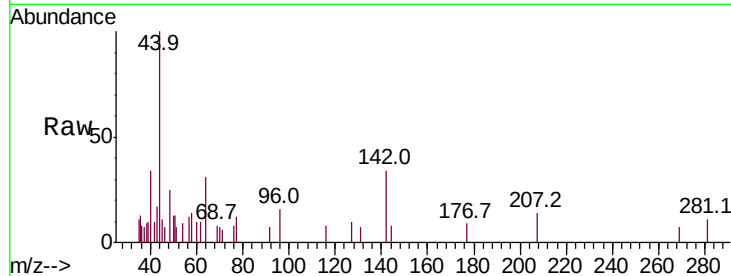




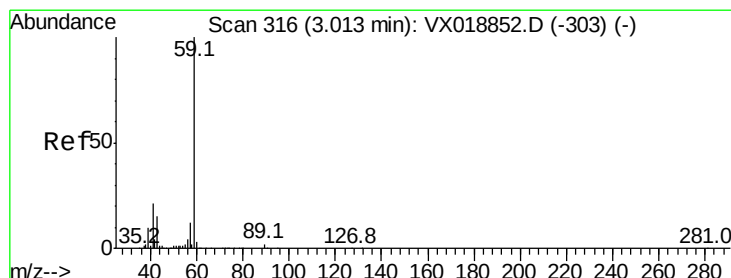
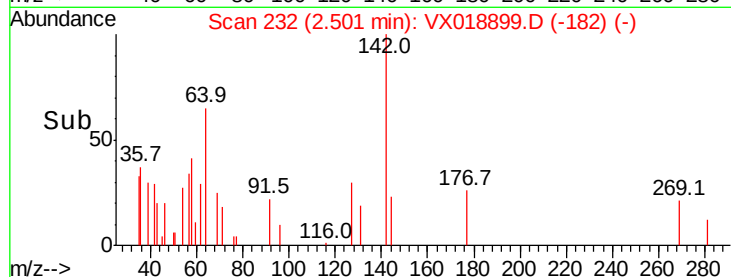
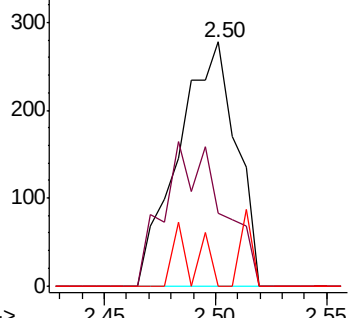
#10
Methyl Iodide
Concen: 4.163 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018899.D
Acq: 12 Oct 2020 13:31

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBL01

Tot Ion:142 Resp: 498
Ion Ratio Lower Upper
142 100
127 0.0 42.0 63.0#
141 6.4 11.8 17.6#

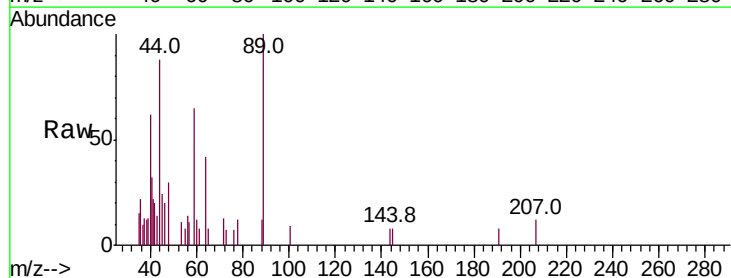


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

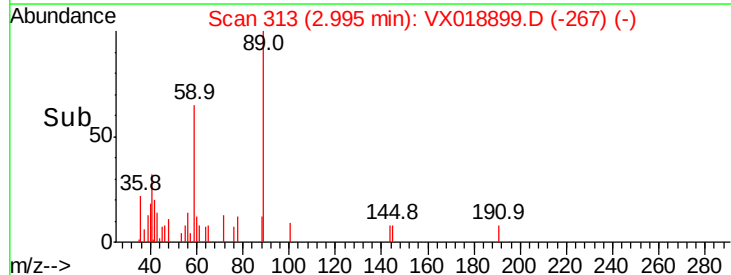
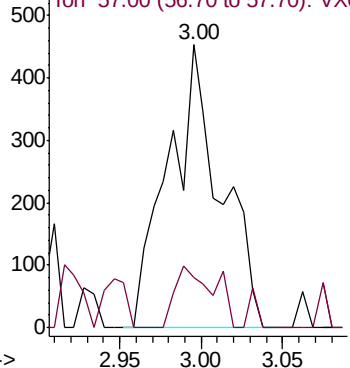


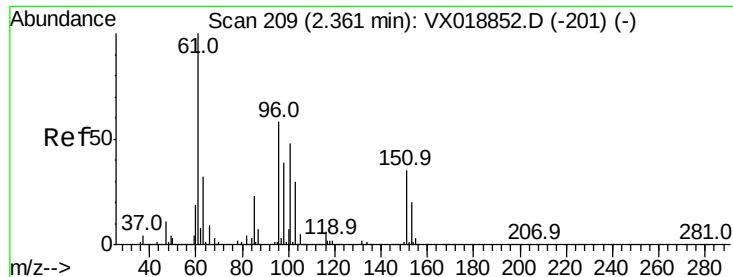
#11
Tert butyl alcohol
Concen: 1.705 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018899.D
Acq: 12 Oct 2020 13:31

Tgt Ion: 59 Resp: 1013
Ion Ratio Lower Upper
59 100
57 16.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

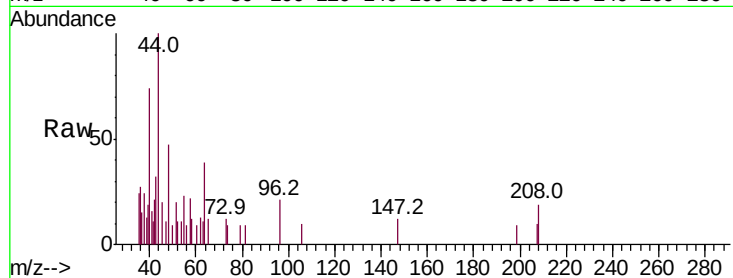




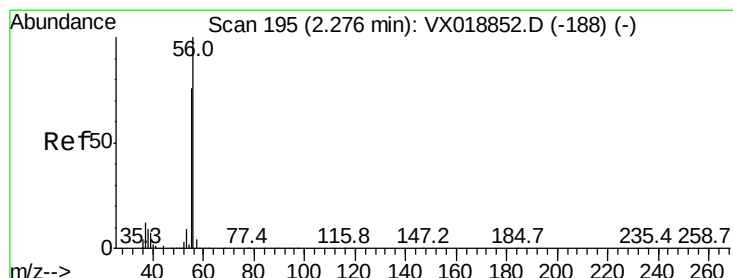
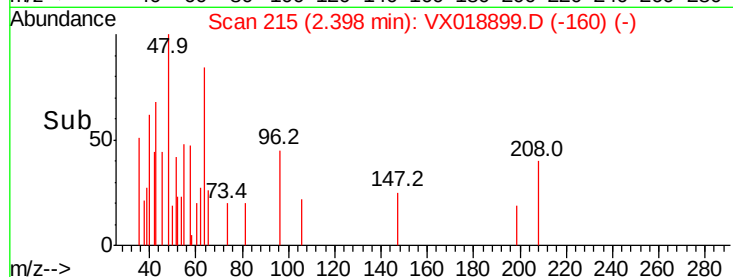
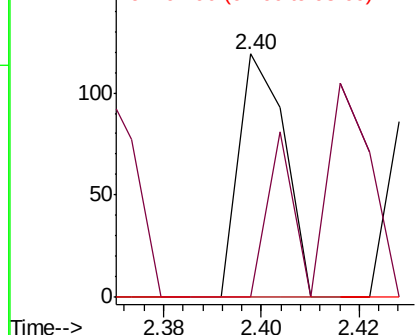
#12
 1,1-Dichloroethene
 Concen: 0.737 ug/l
 RT: 2.40 min Scan# 215
 Delta R.T. 0.04 min
 Lab File: VX018899.D
 Acq: 12 Oct 2020 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBL01

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	137.0	205.6#
98	0.0	53.9	80.9#

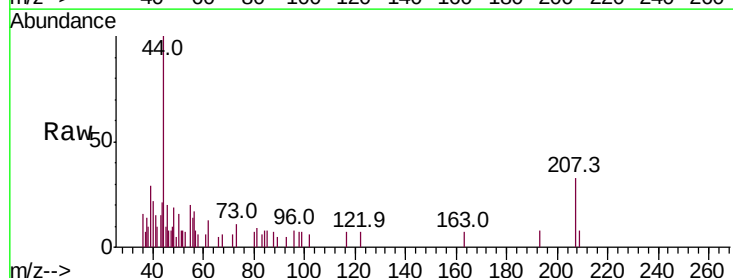


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

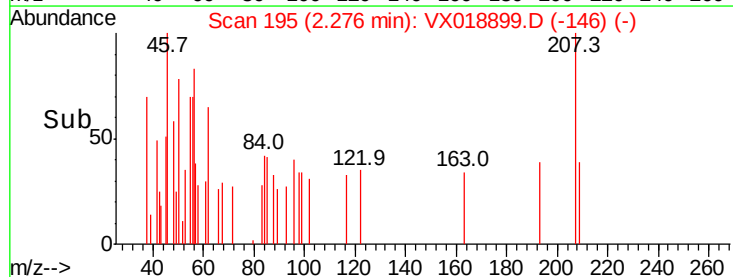
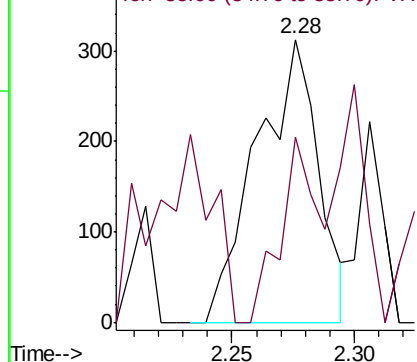


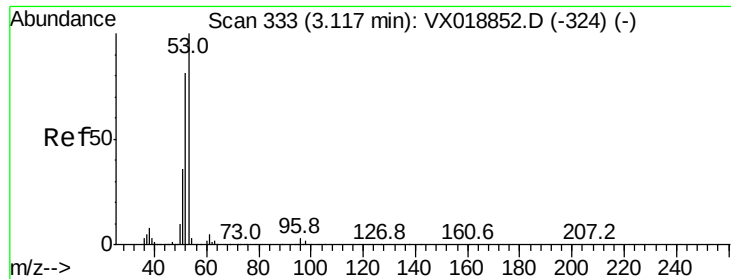
#13
 Acrolein
 Concen: 1.109 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.00 min
 Lab File: VX018899.D
 Acq: 12 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
56	100		
55	39.8	58.6	87.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.319 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBL01

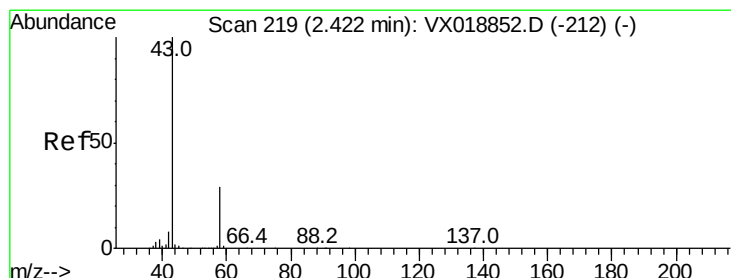
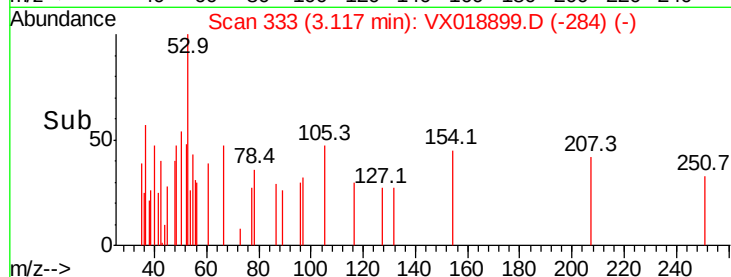
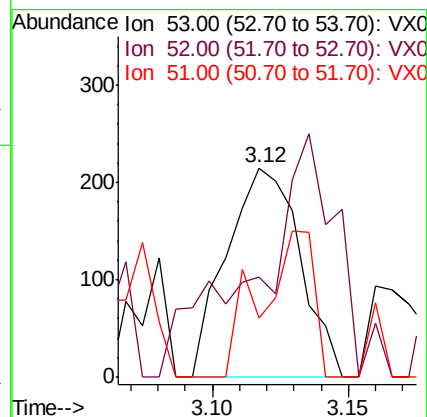
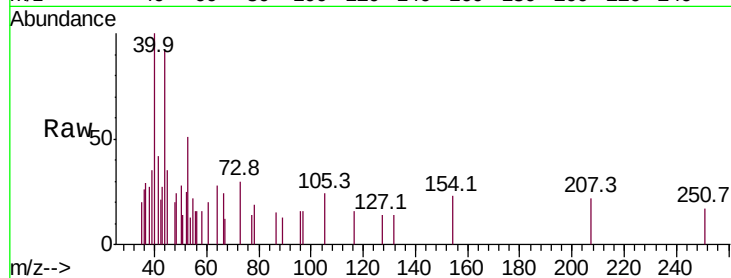
Tot Ion: 53 Resp: 402

Ion Ratio Lower Upper

53 100

52 130.8 66.7 100.1#

51 50.2 30.3 45.5#



#16

Acetone

Concen: Below Cal

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018899.D

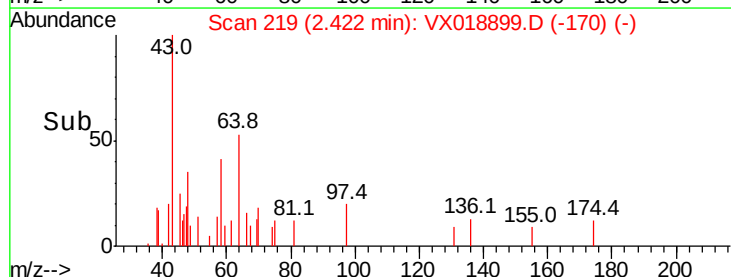
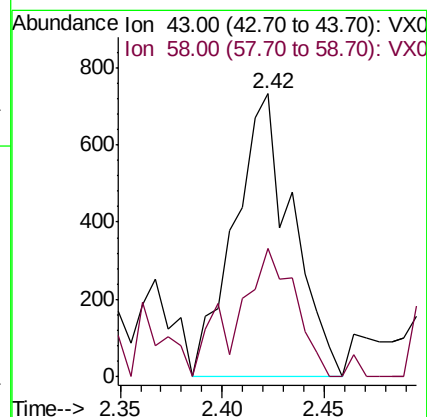
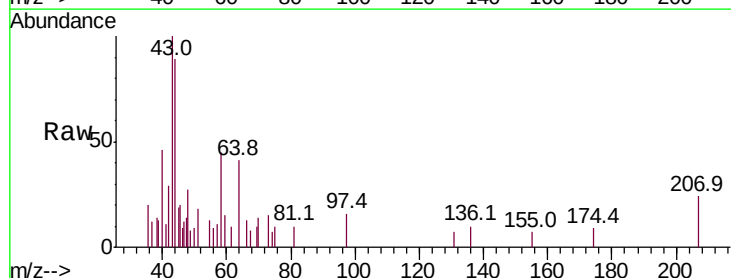
Acq: 12 Oct 2020 13:31

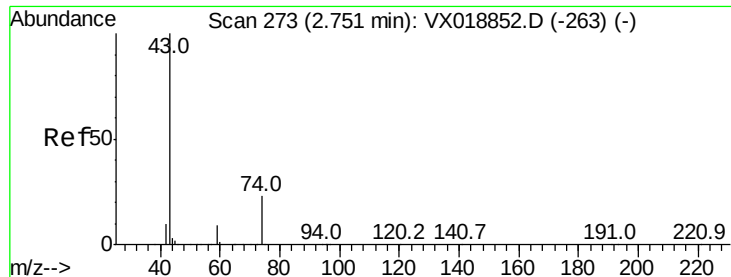
Tgt Ion: 43 Resp: 1437

Ion Ratio Lower Upper

43 100

58 45.2 23.0 34.4#

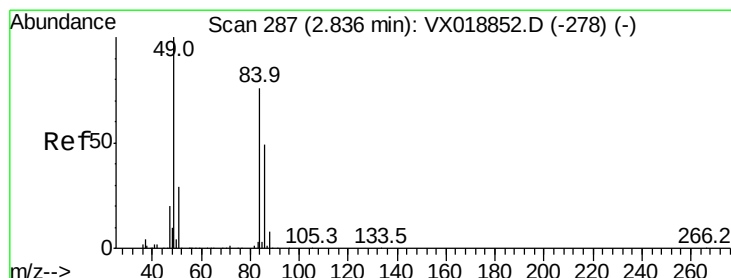
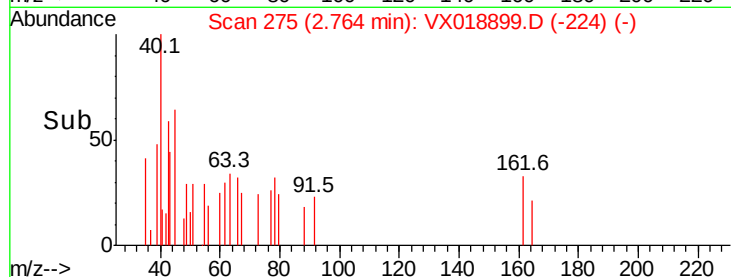
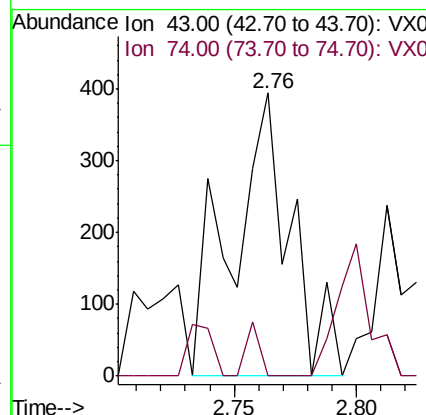
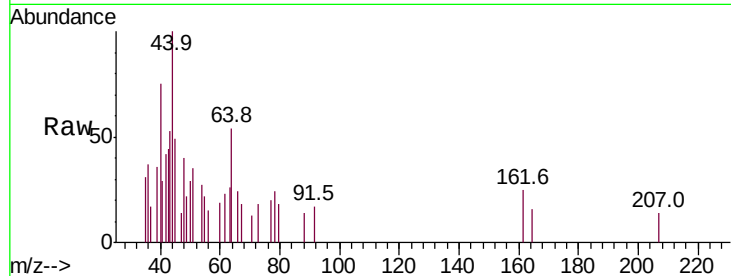




#18
Methyl Acetate
Concen: 0.208 ug/l
RT: 2.76 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX018899.D
Acq: 12 Oct 2020 13:31

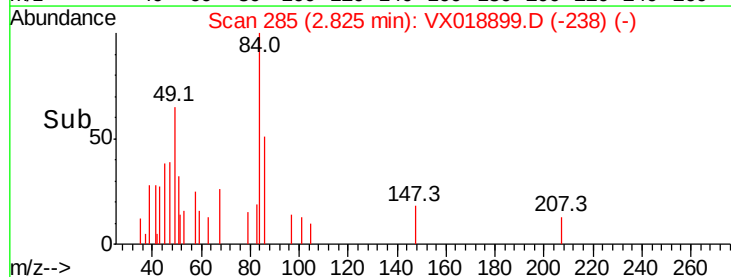
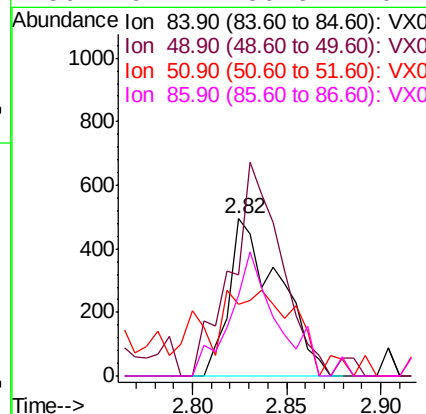
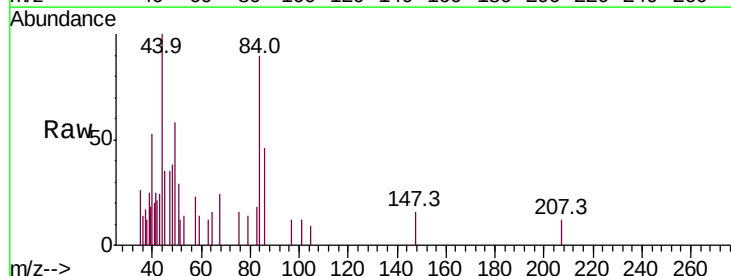
Instrument :
MSVOA_X
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VX1012WBL01

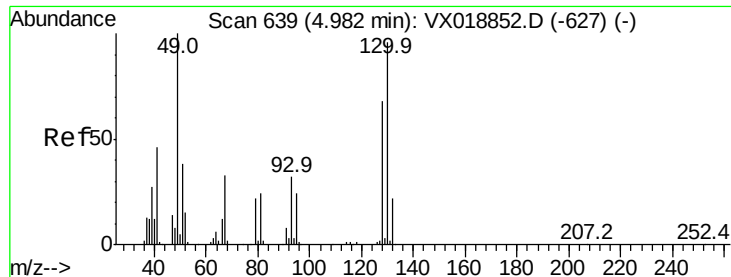
Tot Ion: 43 Resp: 651
Ion Ratio Lower Upper
43 100
74 4.1 18.9 28.3#



#20
Methylene Chloride
Concen: 0.839 ug/l
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX018899.D
Acq: 12 Oct 2020 13:31

Tgt Ion: 84 Resp: 912
Ion Ratio Lower Upper
84 100
49 64.6 104.8 157.2#
51 35.0 30.6 46.0
86 51.2 50.8 76.2





#28

Bromochloromethane

Concen: 1.635 ug/l

RT: 4.99 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

Instrument :

MSVOA_X

ClientSampled :

VX1012WBL01

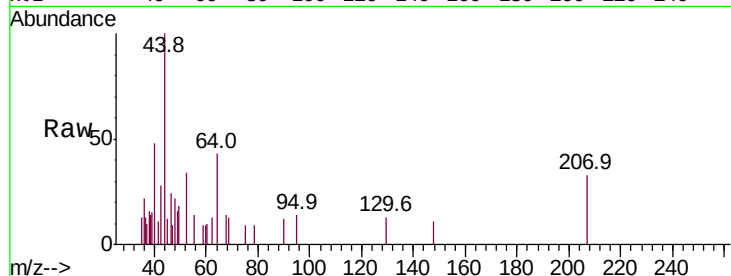
Tot Ion: 49 Resp: 266

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

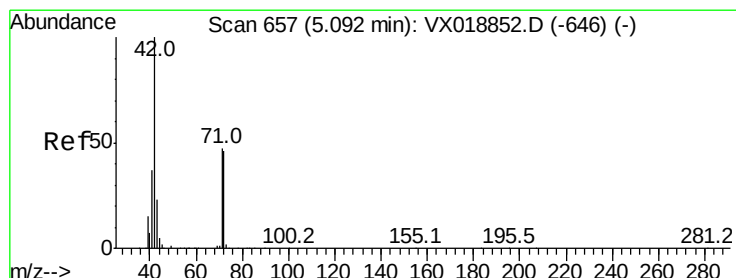
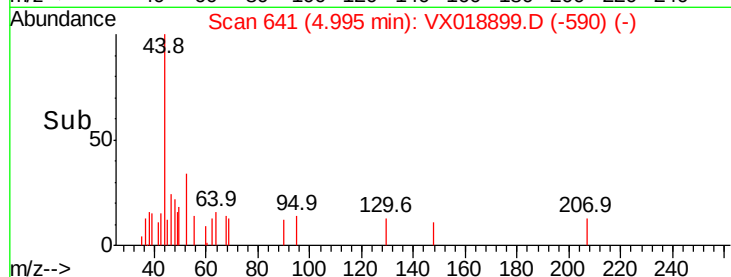
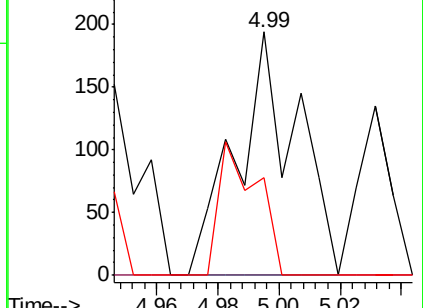
130 34.6 71.2 106.8#



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: 0.565 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

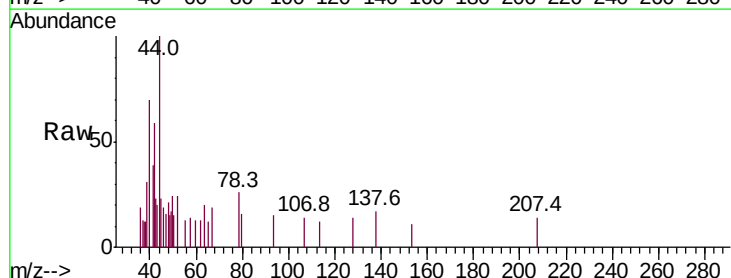
Tgt Ion: 42 Resp: 619

Ion Ratio Lower Upper

42 100

72 8.4 36.4 54.6#

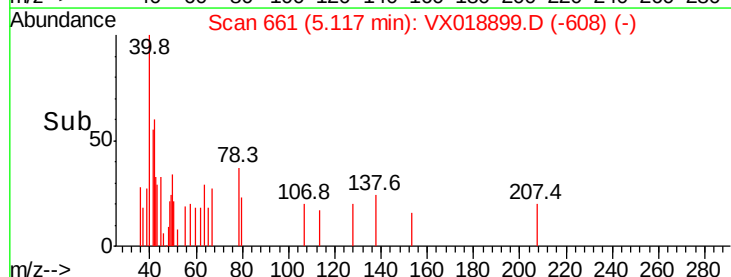
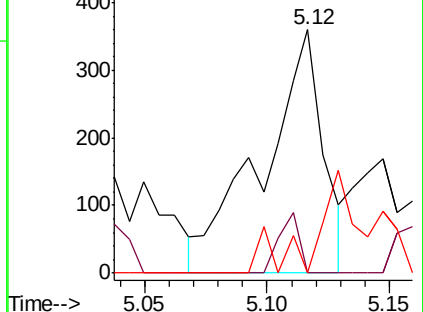
71 4.0 35.2 52.8#

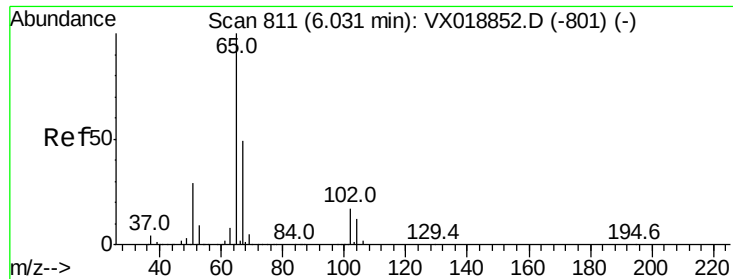


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

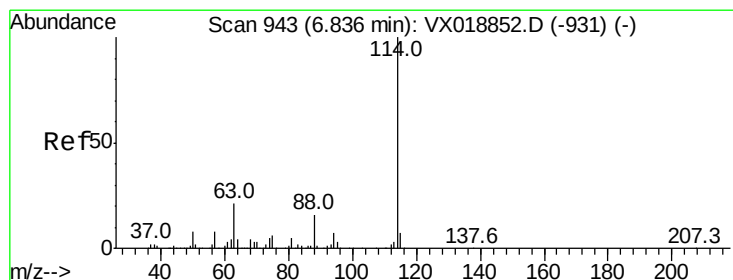
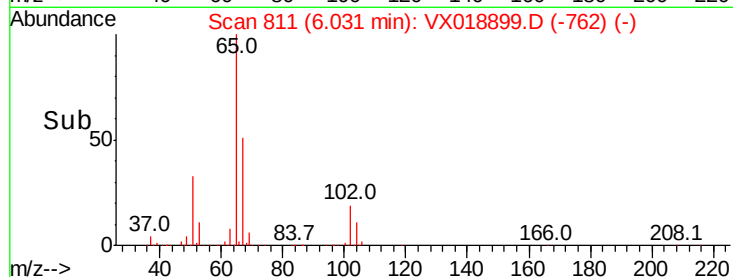
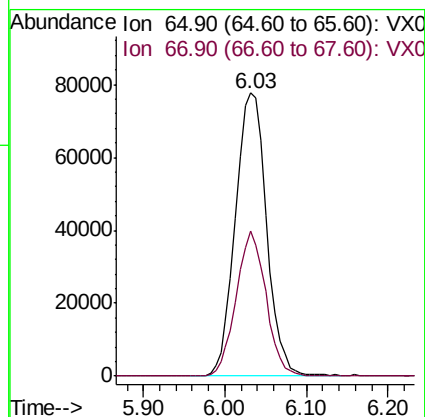
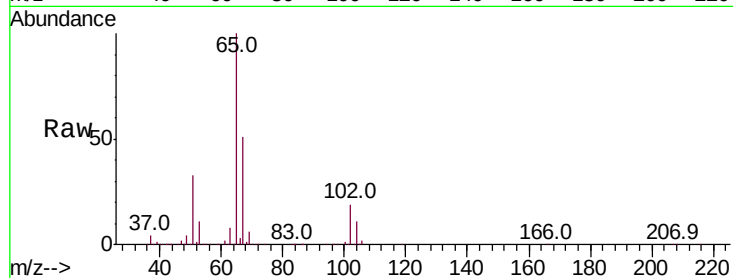




#33
 1,2-Dichloroethane-d4
 Concen: 54.462 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX018899.D
 Acq: 12 Oct 2020 13:31

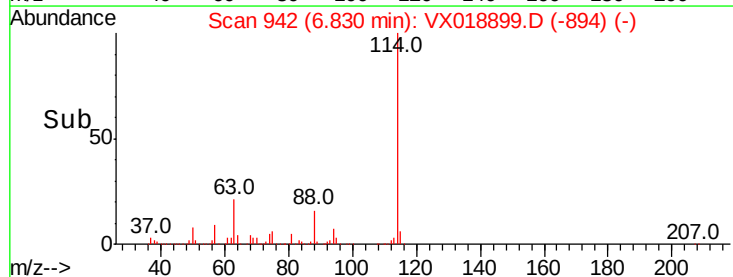
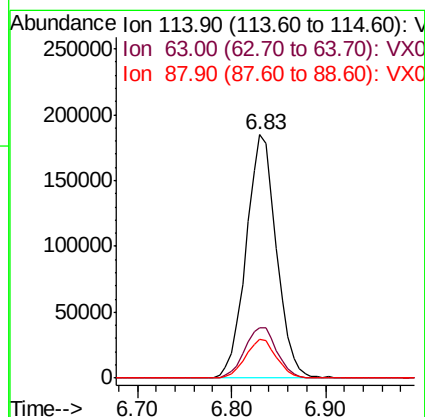
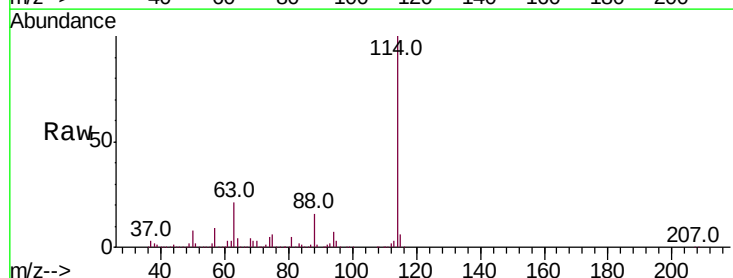
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBL01

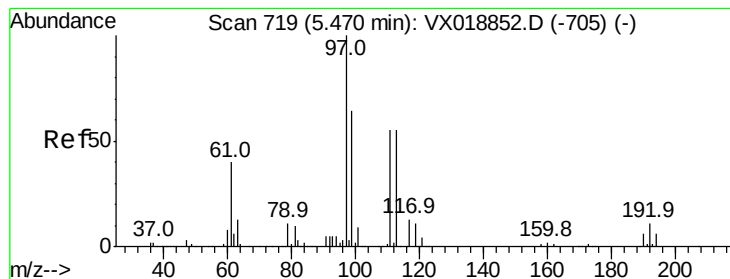
Tot Ion: 65 Resp: 205405
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018899.D
 Acq: 12 Oct 2020 13:31

Tgt Ion:114 Resp: 416840
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.4
 88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.925 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBL01

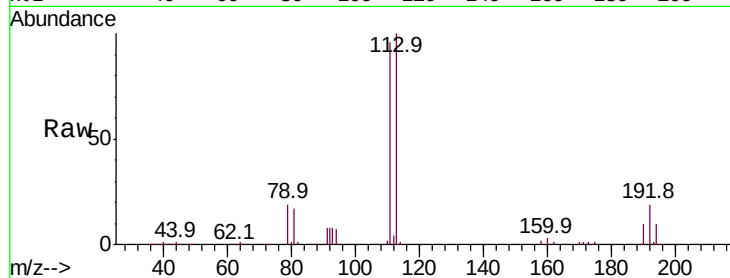
Tot Ion:113 Resp: 154253

Ion Ratio Lower Upper

113 100

111 100.9 80.1 120.1

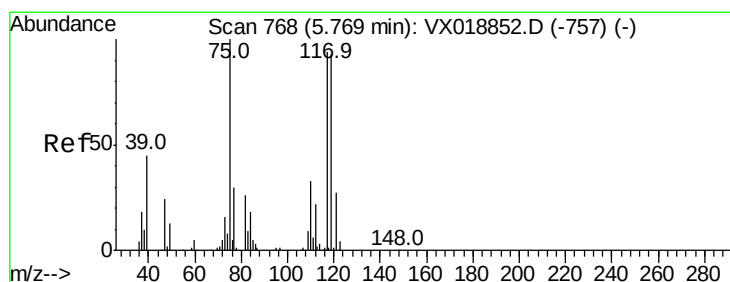
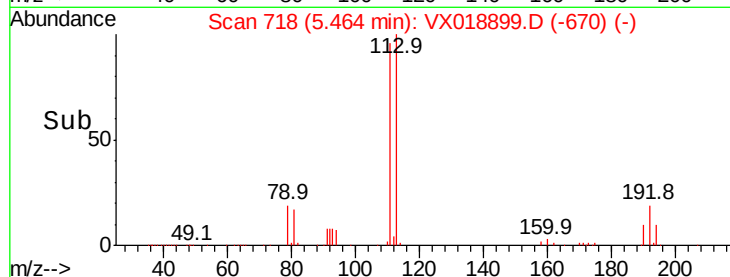
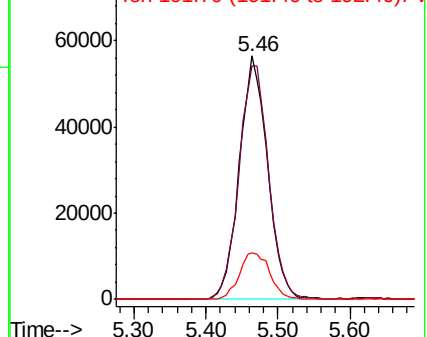
192 20.6 16.0 24.0



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: 4.679 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

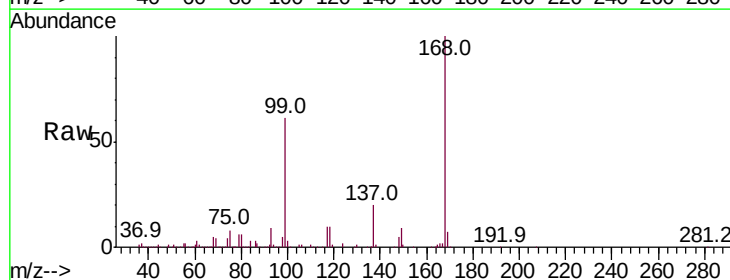
Tgt Ion: 75 Resp: 20508

Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.5#

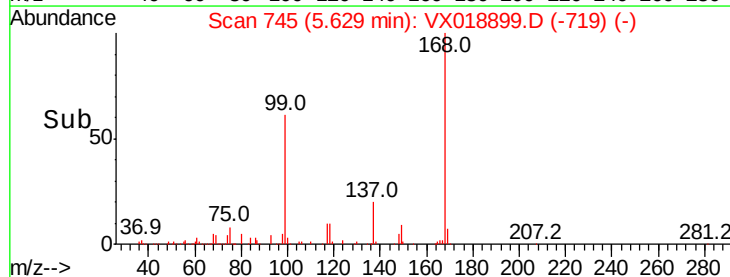
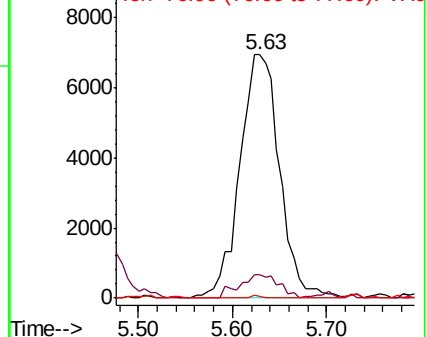
77 0.2 24.2 36.4#

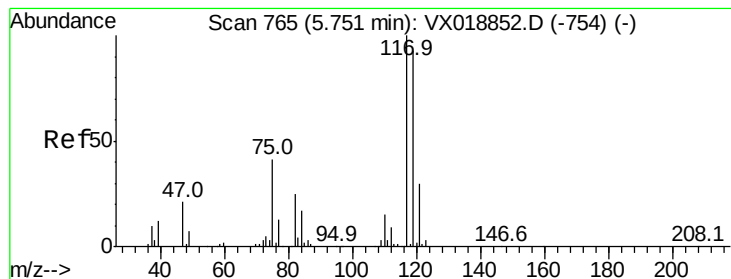


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.949 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

Instrument :

MSVOA_X

ClientSampled :

VX1012WBL01

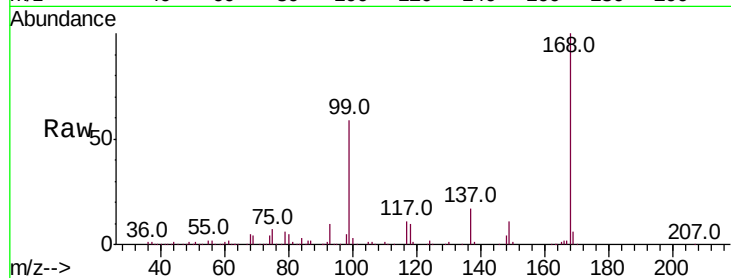
Tot Ion:117 Resp: 26886

Ion Ratio Lower Upper

117 100

119 6.3 73.9 110.9#

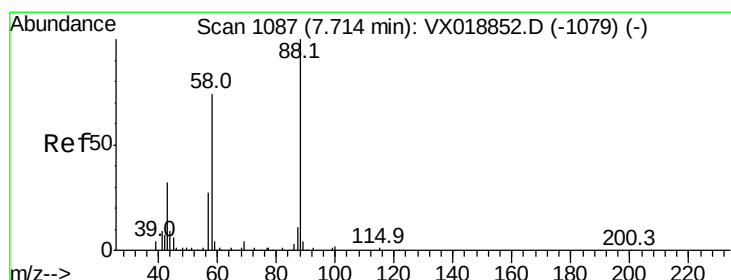
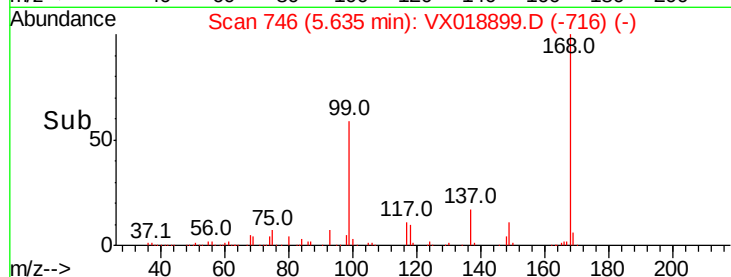
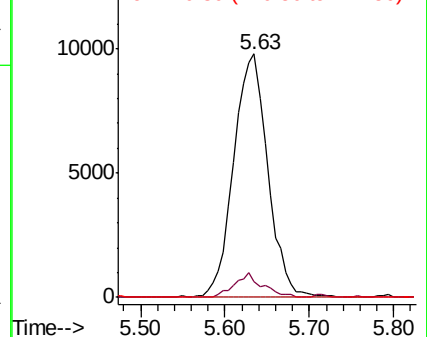
121 0.0 23.6 35.4#



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: 2.198 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

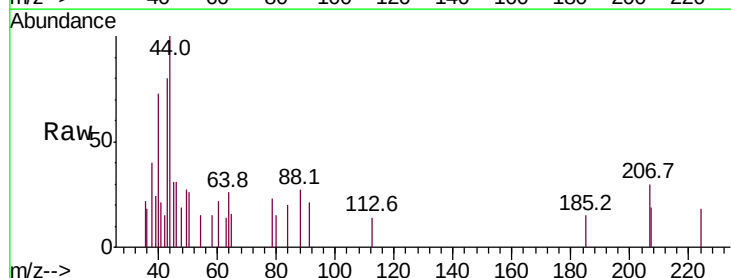
Tgt Ion: 88 Resp: 110

Ion Ratio Lower Upper

88 100

43 331.8 31.0 46.6#

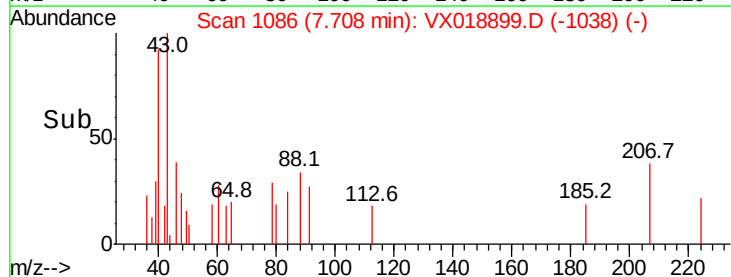
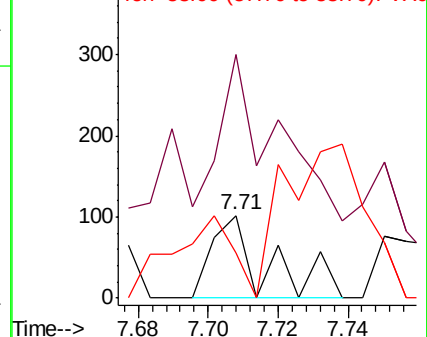
58 110.9 59.3 88.9#

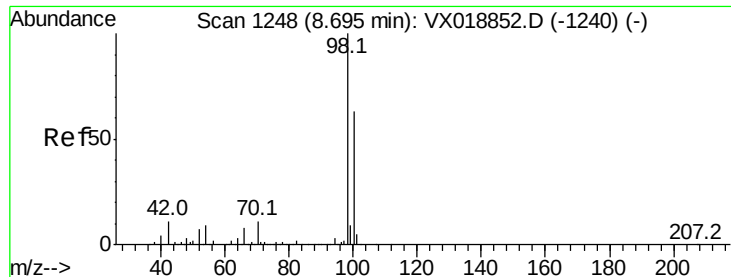


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.867 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

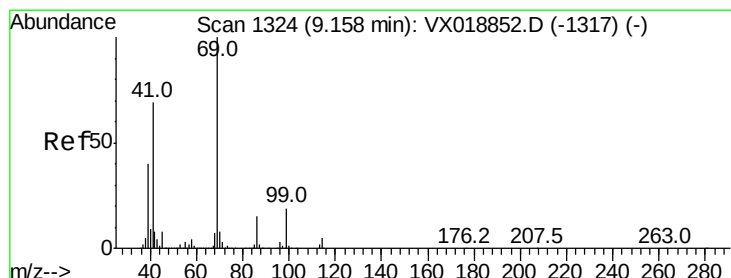
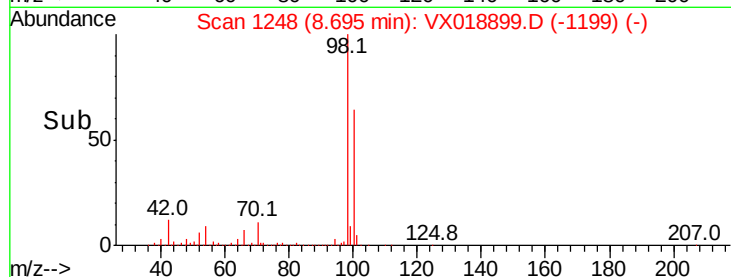
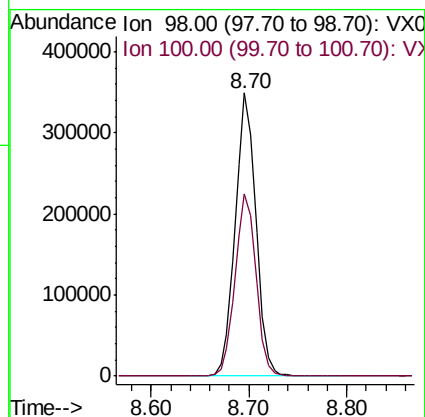
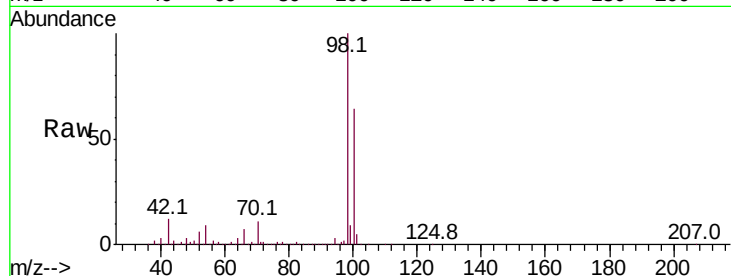
VX1012WBL01

Tot Ion: 98 Resp: 513852

Ion Ratio Lower Upper

98 100

100 64.8 53.1 79.7



#56

Ethyl methacrylate

Concen: 2.942 ug/l

RT: 9.13 min Scan# 1320

Delta R.T. -0.02 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

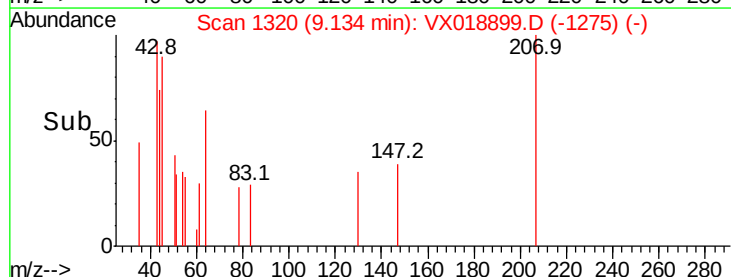
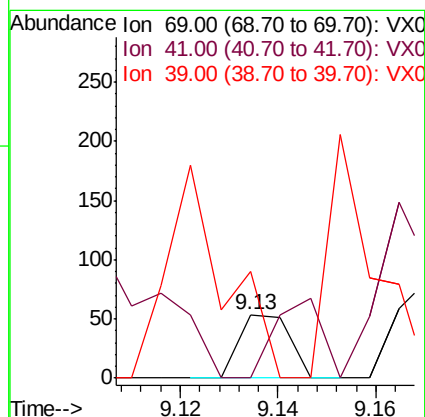
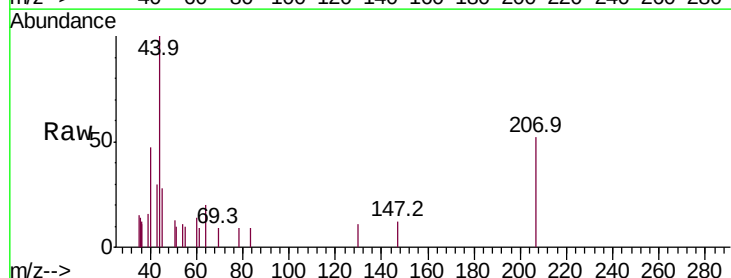
Tgt Ion: 69 Resp: 38

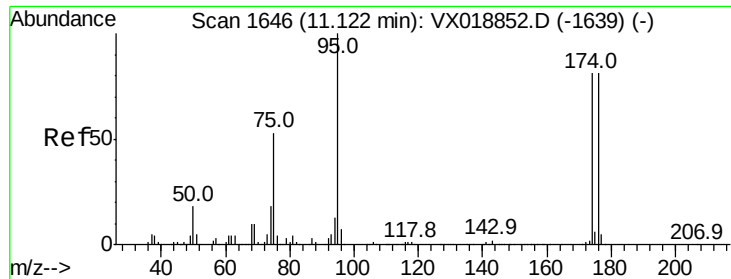
Ion Ratio Lower Upper

69 100

41 0.0 54.6 81.8#

39 392.1 31.5 47.3#





#62

4-Bromofluorobenzene

Concen: 46.399 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBL01

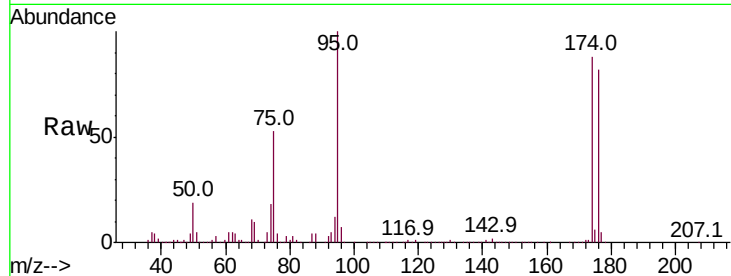
Tot Ion: 95 Resp: 190557

Ion Ratio Lower Upper

95 100

174 86.5 0.0 160.0

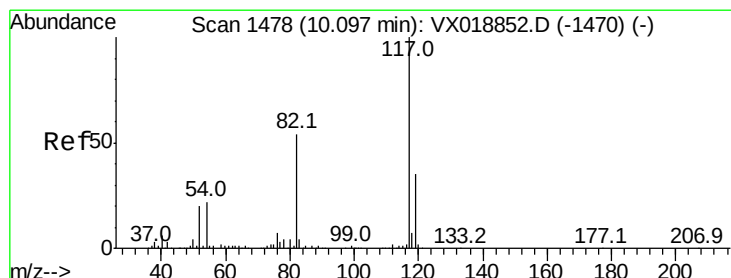
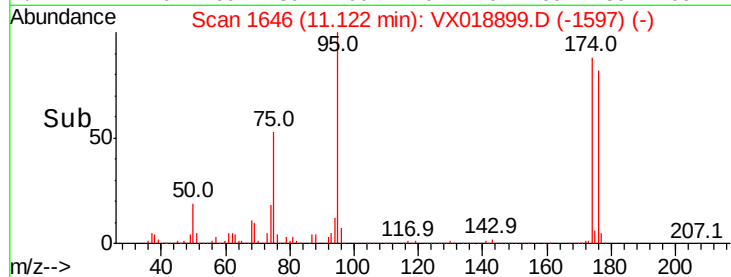
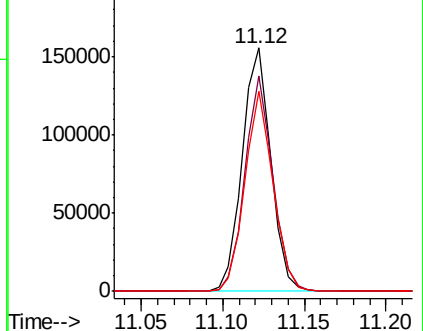
176 81.4 0.0 161.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

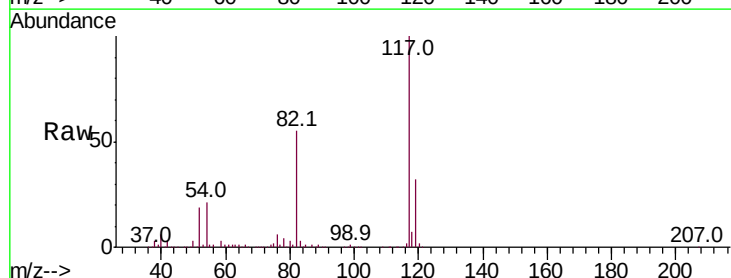
Tgt Ion: 117 Resp: 395220

Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.2

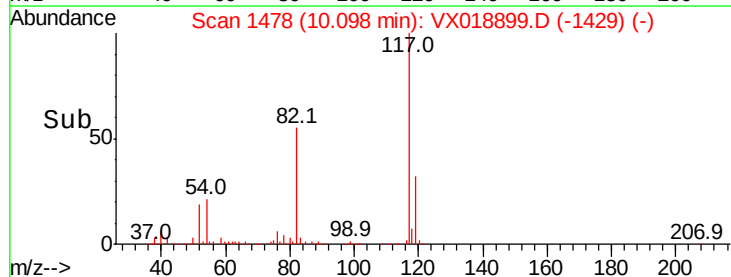
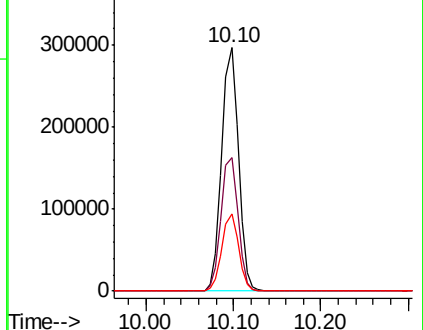
119 31.6 28.3 42.5

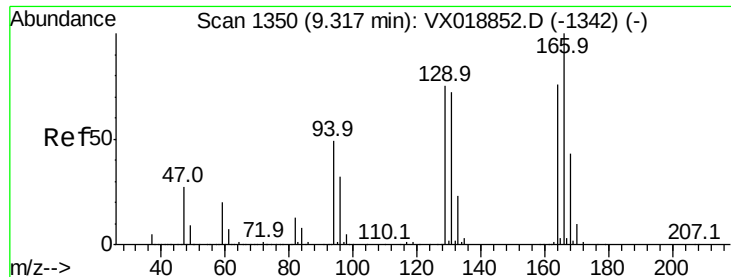


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: Below Cal

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBL01

Tot Ion:164 Resp: 102

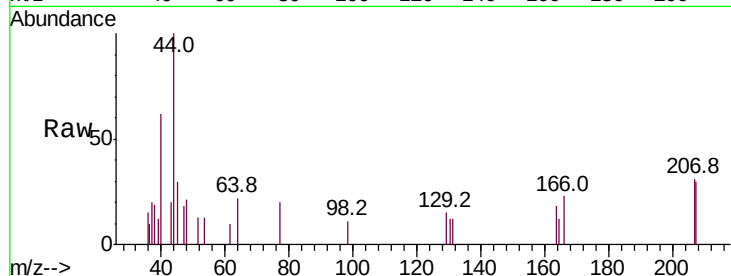
Ion Ratio Lower Upper

164 100

166 77.0 105.4 158.0#

129 49.1 79.0 118.6#

131 81.4 75.7 113.5



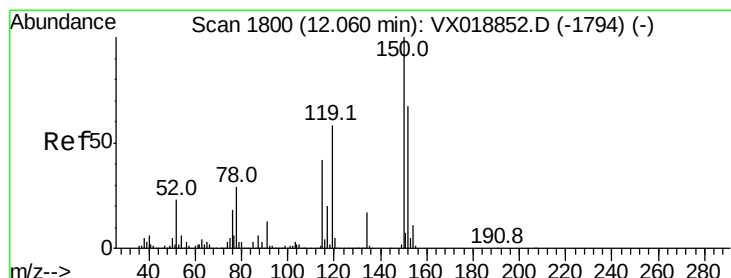
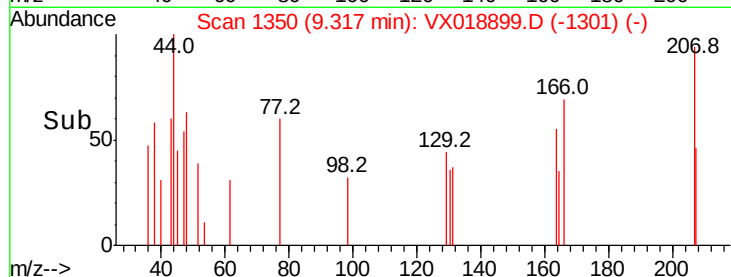
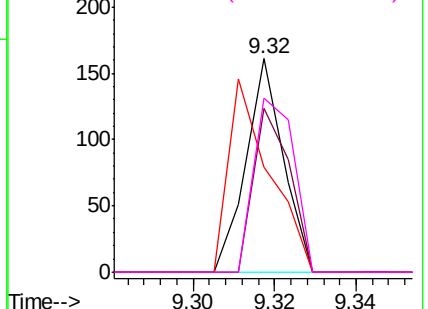
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX018899.D

Acq: 12 Oct 2020 13:31

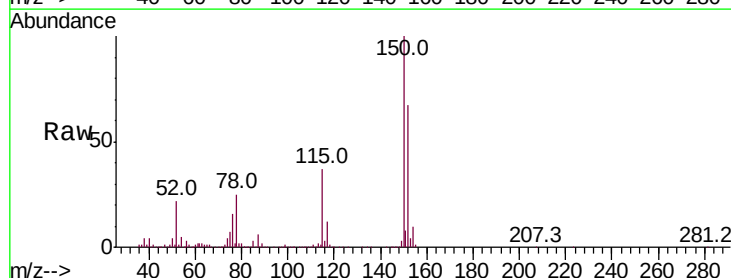
Tgt Ion:152 Resp: 207779

Ion Ratio Lower Upper

152 100

115 56.9 41.8 125.4

150 154.4 0.0 347.6

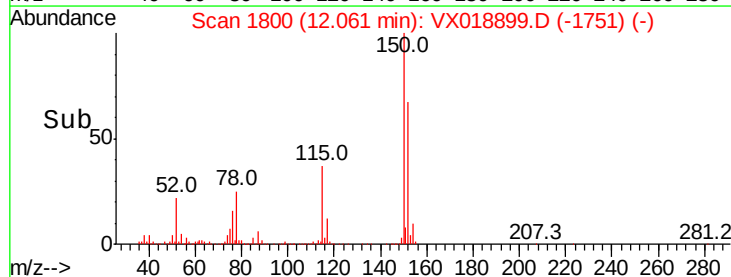
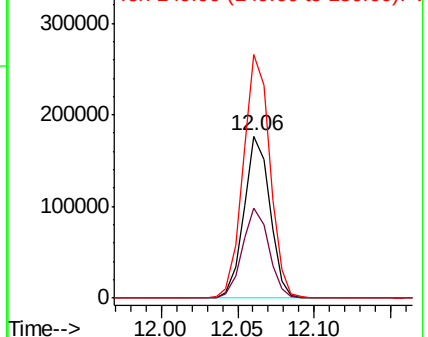


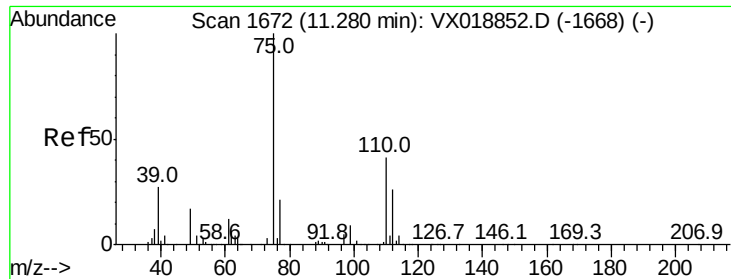
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

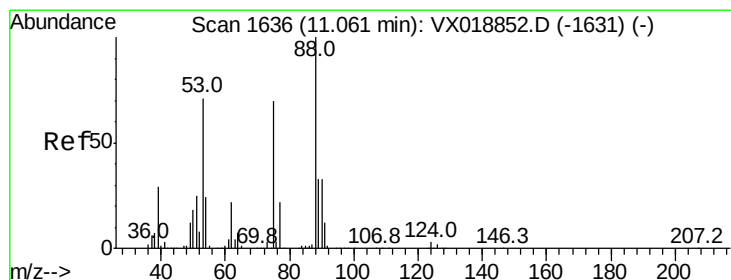
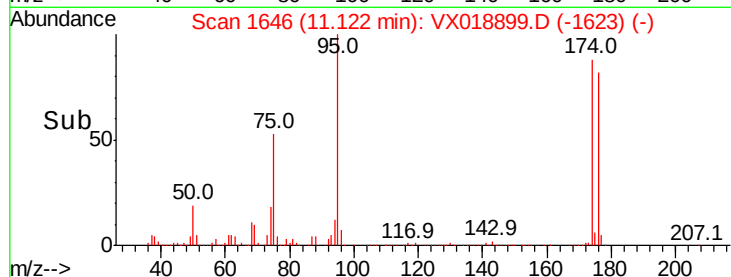
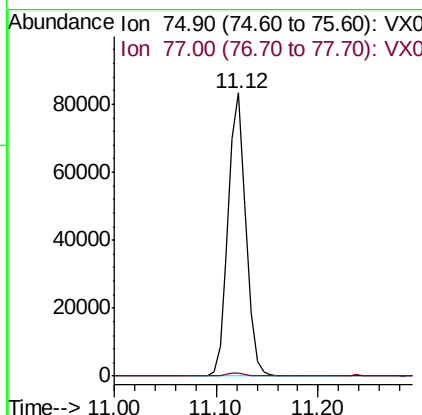
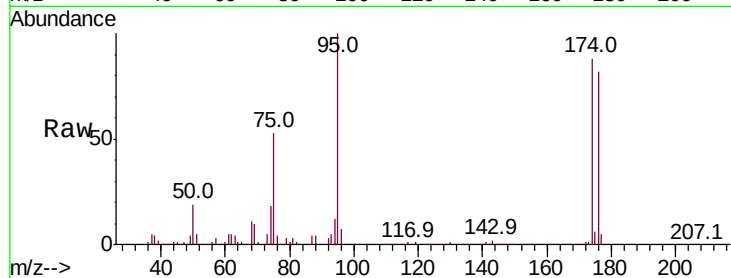




#76
 1,2,3-Trichloropropane
 Concen: 22.288 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018899.D
 Acq: 12 Oct 2020 13:31

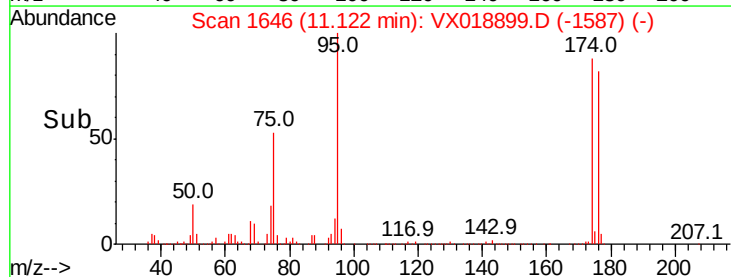
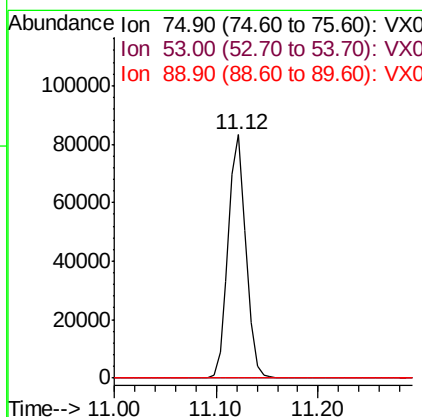
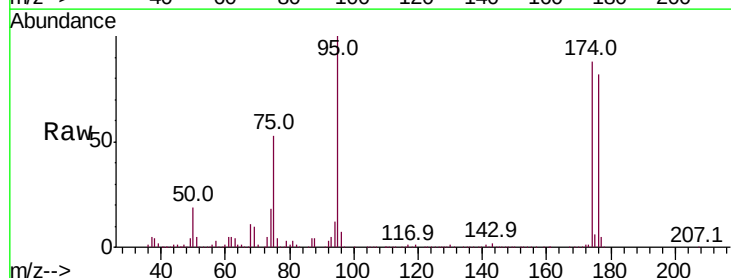
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBL01

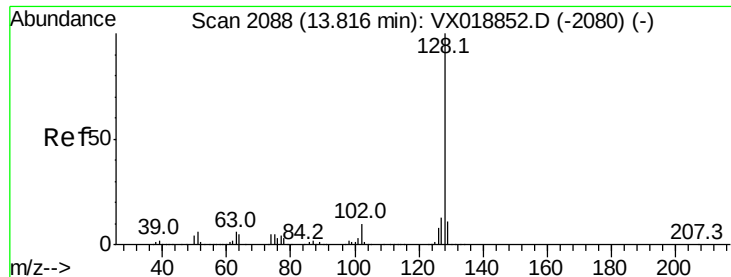
Tot Ion: 75 Resp: 99784
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.164 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018899.D
 Acq: 12 Oct 2020 13:31

Tgt Ion: 75 Resp: 99784
 Ion Ratio Lower Upper
 75 100
 53 0.5 85.0 127.4#
 89 0.1 39.0 58.4#





#95

Naphthalene

Concen: 3.119 ug/l

RT: 13.81 min Scan# 2087

Delta R.T. -0.01 min

Lab File: VX018899.D

Acq: 12 Oct 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBL01

Tot Ion:128 Resp: 633

Ion Ratio Lower Upper

128 100

127 3.6 10.1 15.1#

129 9.8 8.6 13.0

