

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101320\
 Data File : VX018927.D
 Acq On : 13 Oct 2020 13:00
 Operator : JC/SP
 Sample : VX1013WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1013WBL01

Quant Time: Oct 14 01:52:20 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

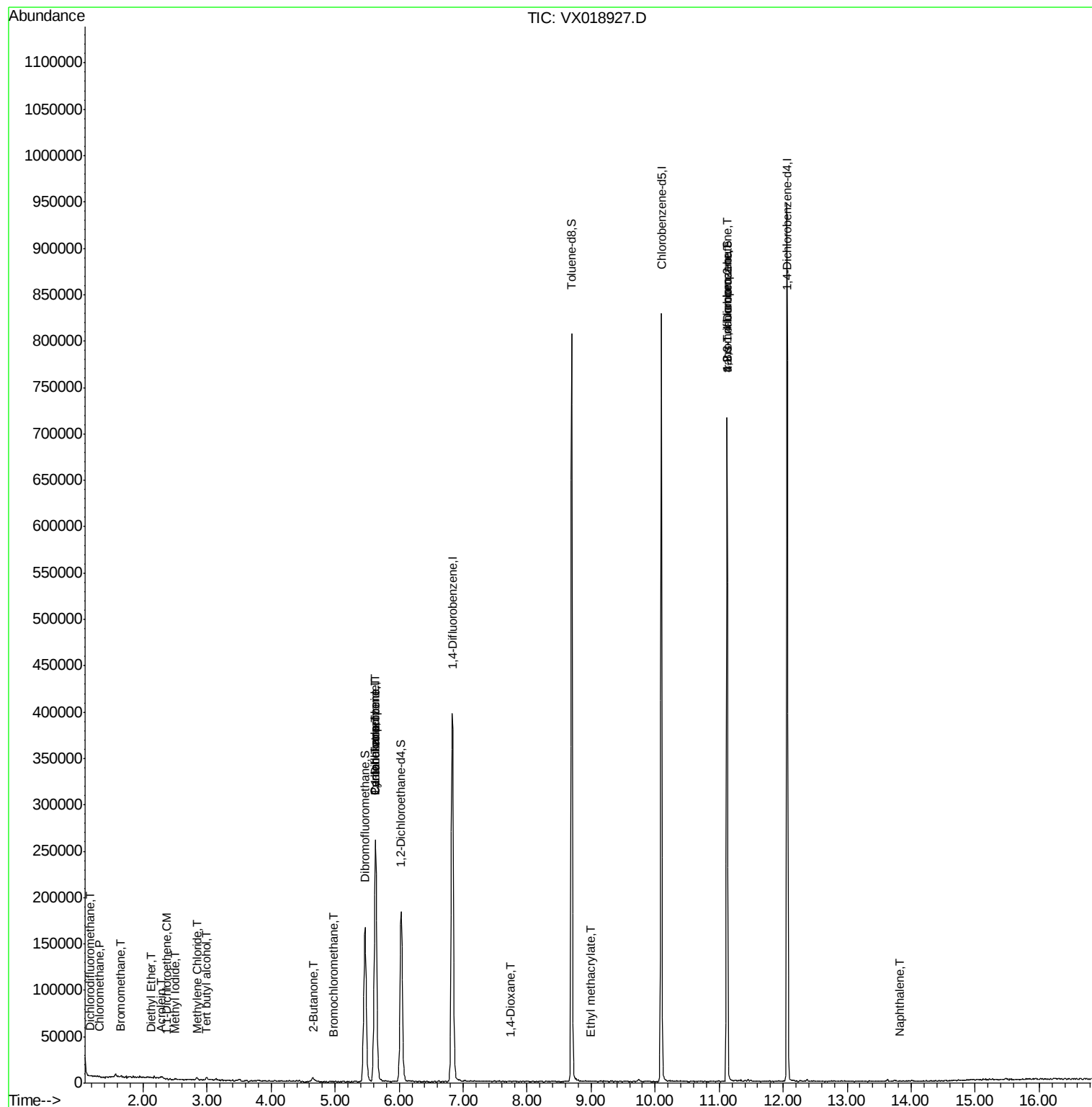
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	247593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	388295	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	377402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	194213	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	183808	50.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.66%	
35) Dibromofluoromethane	5.47	113	141010	50.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.92%	
50) Toluene-d8	8.70	98	470695	49.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.12	95	173044	45.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	168	1.674	ug/l #	68
3) Chloromethane	1.31	50	781	0.337	ug/l #	79
5) Bromomethane	1.65	94	970	0.671	ug/l	98
8) Diethyl Ether	2.12	74	97	1.097	ug/l	63
10) Methyl Iodide	2.50	142	1161	4.405	ug/l #	89
11) Tert butyl alcohol	3.00	59	1354	2.354	ug/l #	88
12) 1,1-Dichloroethene	2.37	96	159	0.773	ug/l #	1
13) Acrolein	2.28	56	239	0.499	ug/l #	73
16) Acetone	2.42	43	1560	Below Cal		90
20) Methylene Chloride	2.84	84	1106	0.924	ug/l	93
25) 2-Butanone	4.65	43	473	0.239	ug/l #	86
28) Bromochloromethane	4.98	49	74	1.554	ug/l #	43
31) Cyclohexane	5.63	56	4884	1.432	ug/l #	4
36) 1,1-Dichloropropene	5.63	75	17875	4.378	ug/l #	51
38) Carbon Tetrachloride	5.63	117	24276	4.798	ug/l #	21
49) 1,4-Dioxane	7.74	88	28	0.601	ug/l #	1
56) Ethyl methacrylate	8.99	69	33	2.941	ug/l #	1
64) Tetrachloroethene	9.32	164	109	Below Cal	#	69
76) 1,2,3-Trichloropropane	11.12	75	89589	21.409	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	89589	60.672	ug/l #	7
95) Naphthalene	13.82	128	753	3.131	ug/l #	84

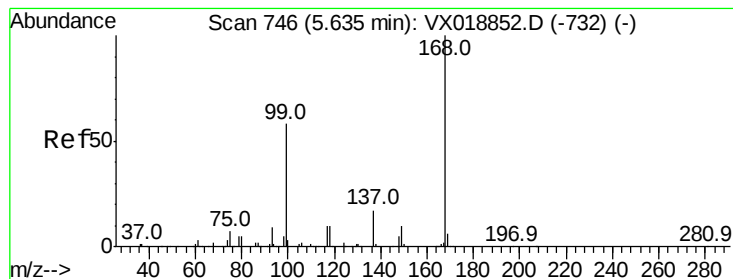
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 13 Oct 2020 13:00
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Quant Time: Oct 14 01:52:20 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: VX018927.D

Acq: 13 Oct 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

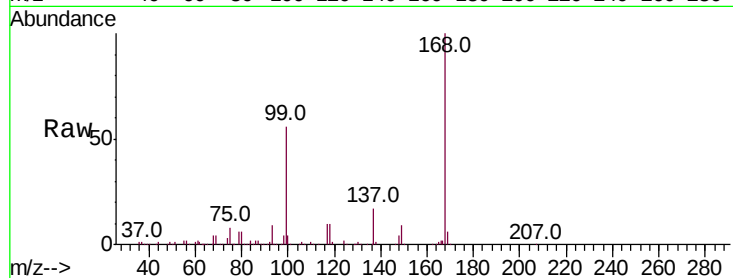
VX1013WBL01

Tot Ion:168 Resp: 247593

Ion Ratio Lower Upper

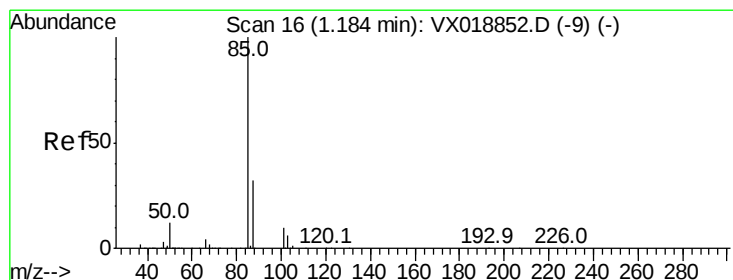
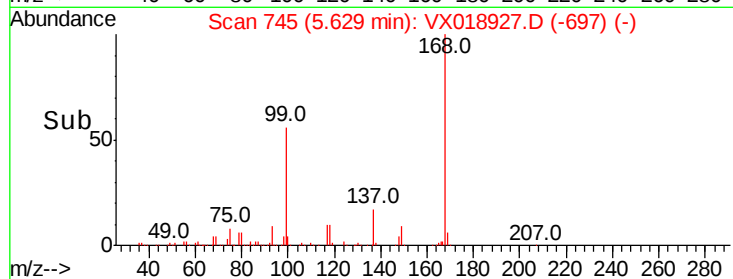
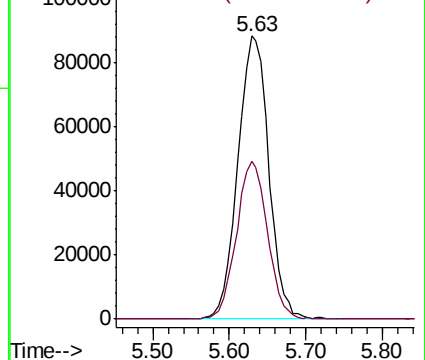
168 100

99 55.9 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.674 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018927.D

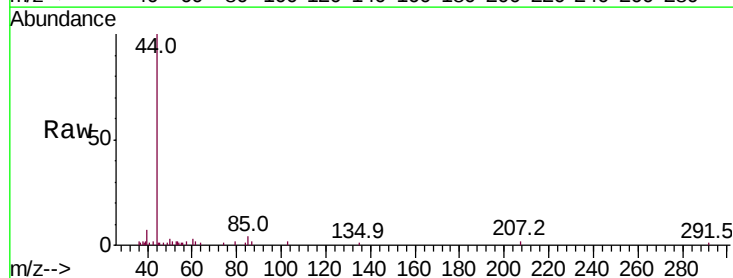
Acq: 13 Oct 2020 13:00

Tgt Ion: 85 Resp: 168

Ion Ratio Lower Upper

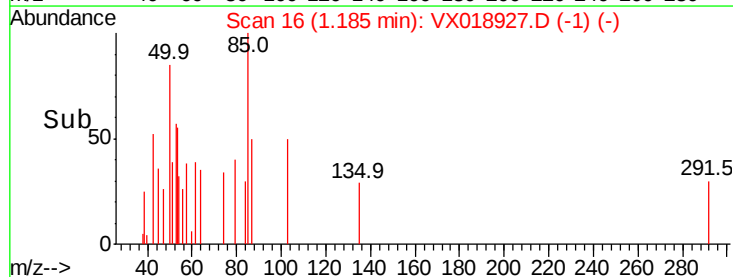
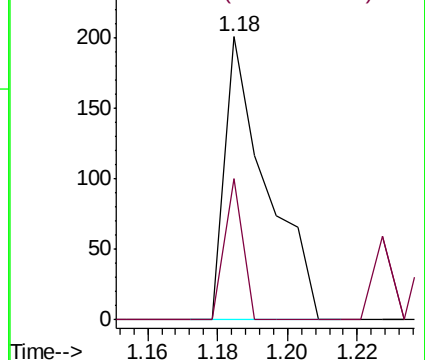
85 100

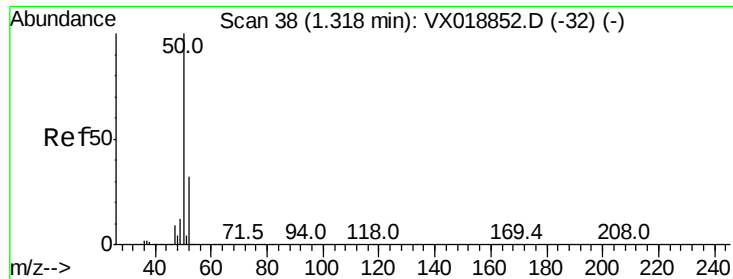
87 49.8 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.337 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX018927.D

Acq: 13 Oct 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

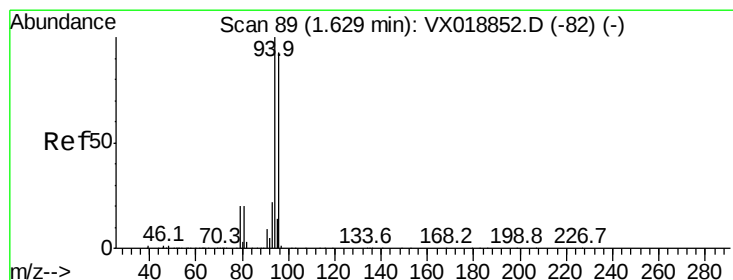
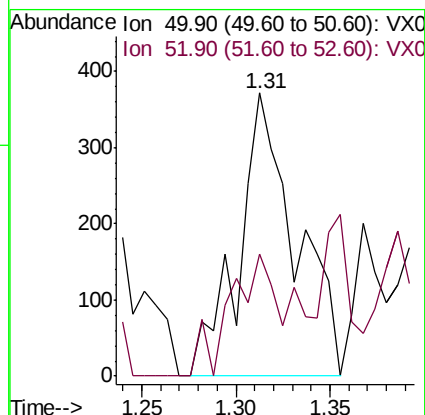
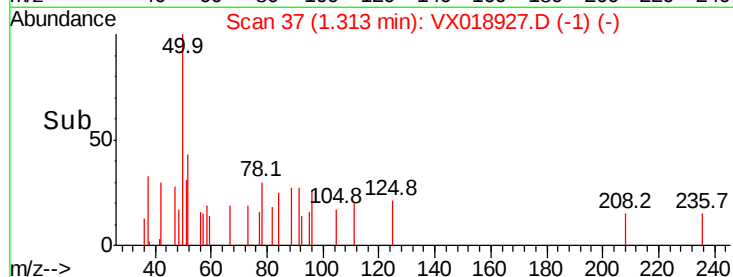
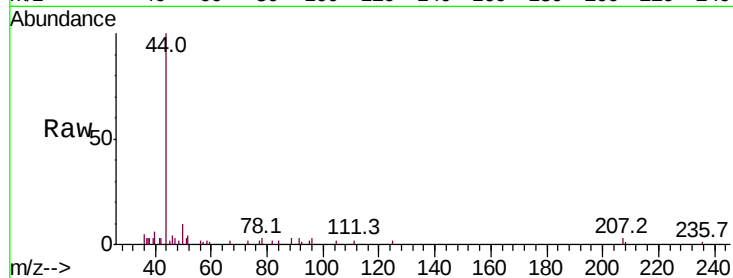
VX1013WBL01

Tot Ion: 50 Resp: 781

Ion Ratio Lower Upper

50 100

52 43.3 25.2 37.8#



#5

Bromomethane

Concen: 0.671 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018927.D

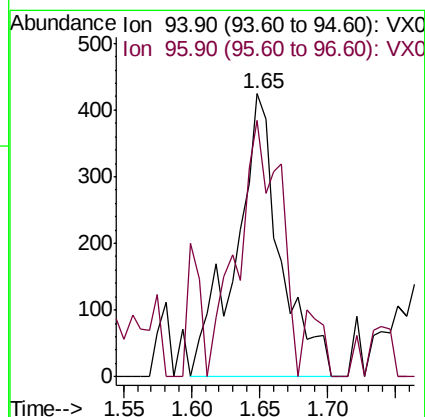
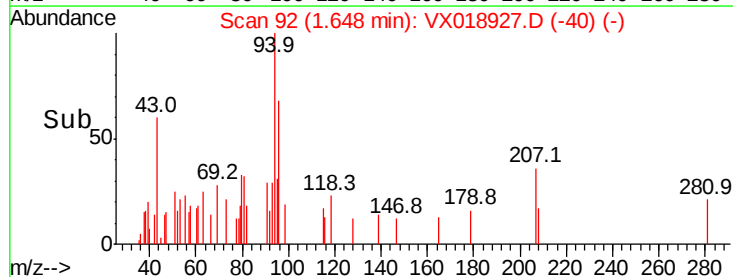
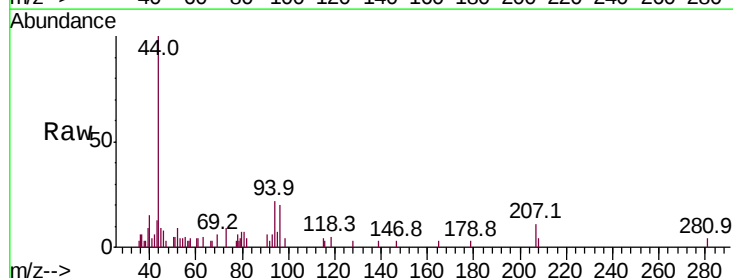
Acq: 13 Oct 2020 13:00

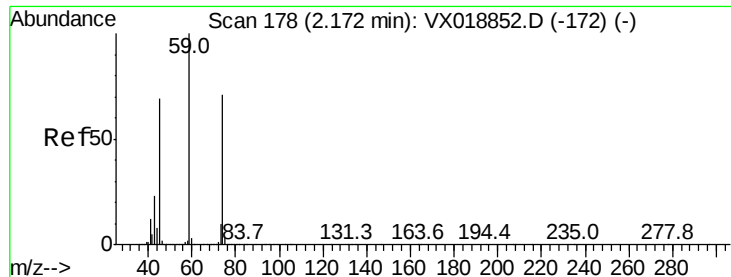
Tgt Ion: 94 Resp: 970

Ion Ratio Lower Upper

94 100

96 90.8 74.5 111.7

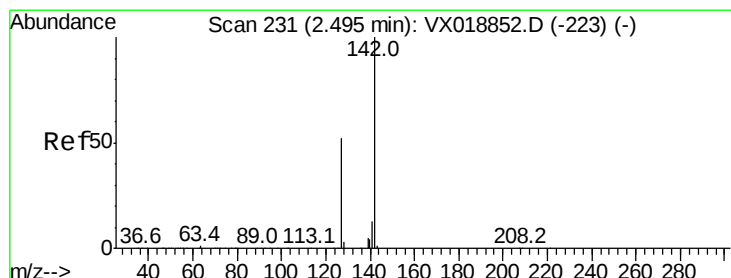
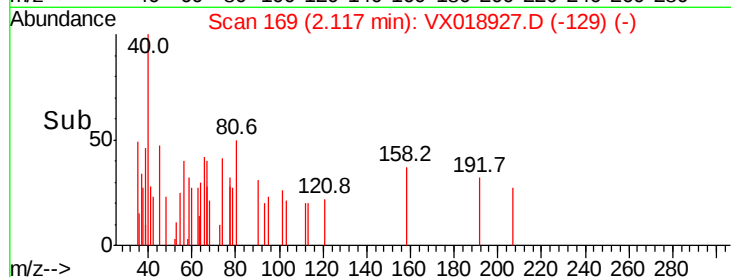
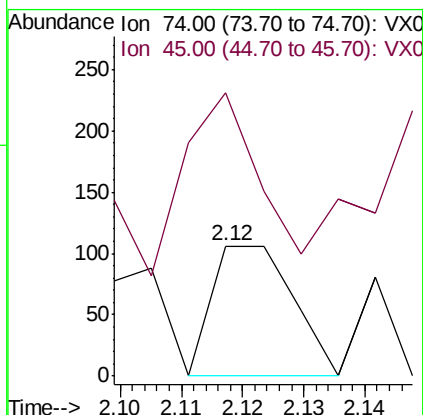
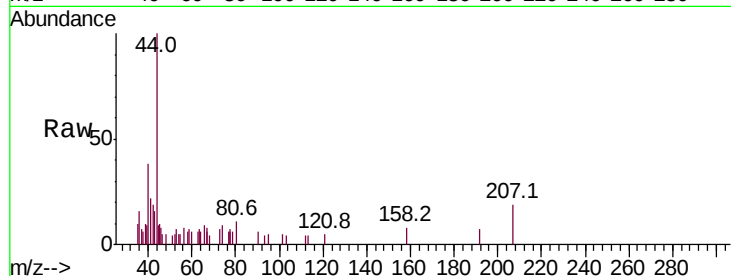




#8
Diethyl Ether
Concen: 1.097 ug/l
RT: 2.12 min Scan# 169
Delta R.T. -0.05 min
Lab File: VX018927.D
Acq: 13 Oct 2020 13:00

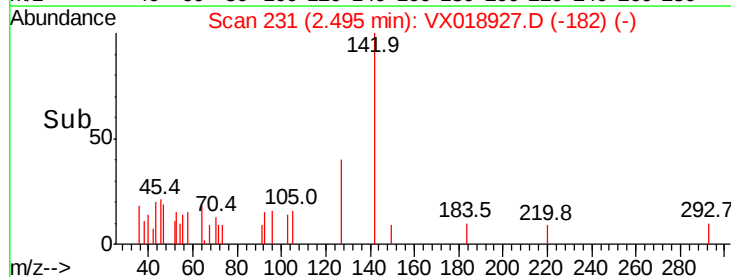
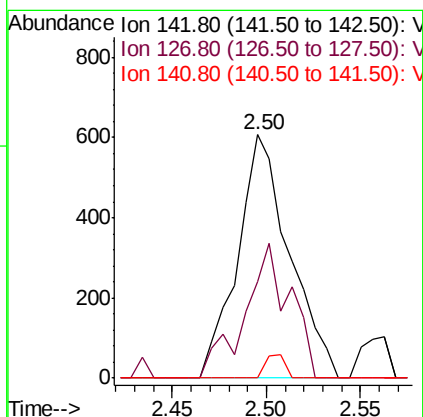
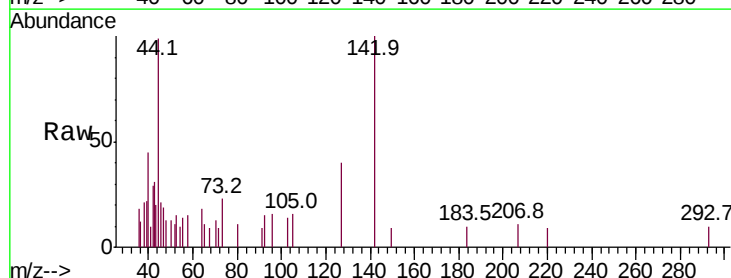
Instrument :
MSVOA_X
ClientSampled :
VX1013WBL01

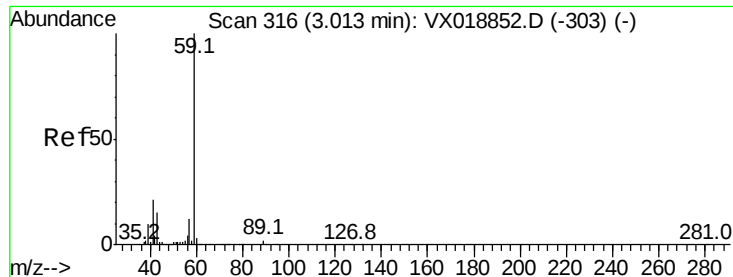
Tot Ion: 74 Resp: 97
Ion Ratio Lower Upper
74 100
45 129.9 47.0 141.2



#10
Methyl Iodide
Concen: 4.405 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX018927.D
Acq: 13 Oct 2020 13:00

Tgt Ion: 142 Resp: 1161
Ion Ratio Lower Upper
142 100
127 48.3 42.0 63.0
141 3.5 11.8 17.6#



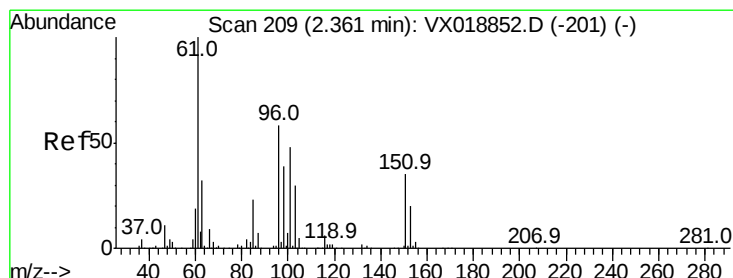
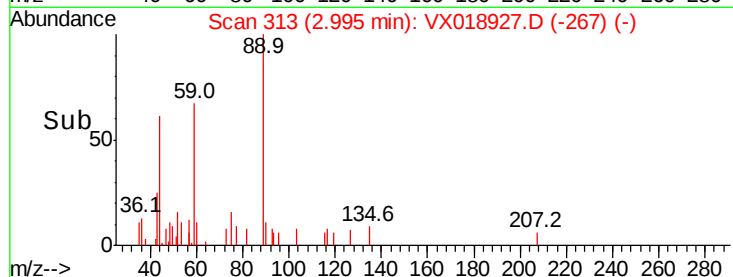
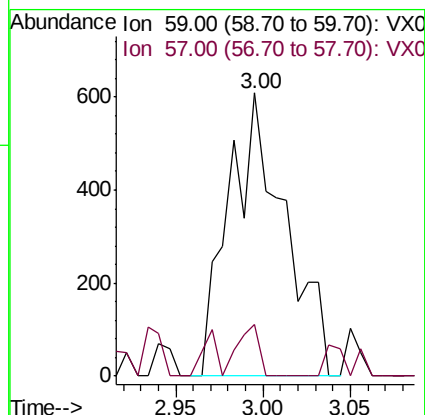
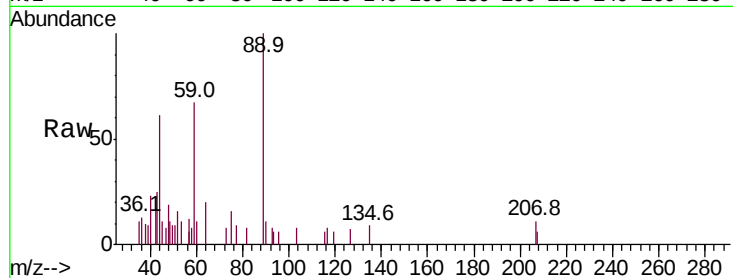


#11

Tert butyl alcohol
Concen: 2.354 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018927.D
Acq: 13 Oct 2020 13:00

Instrument :
MSVOA_X
ClientSampleId :
VX1013WBL01

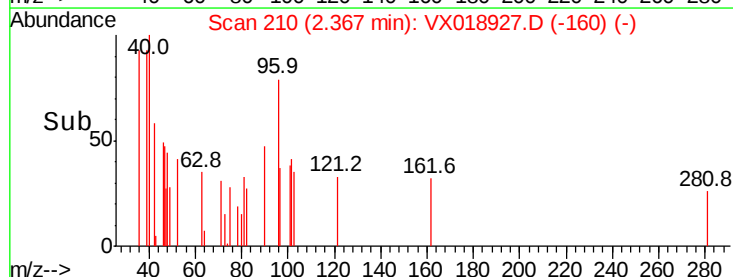
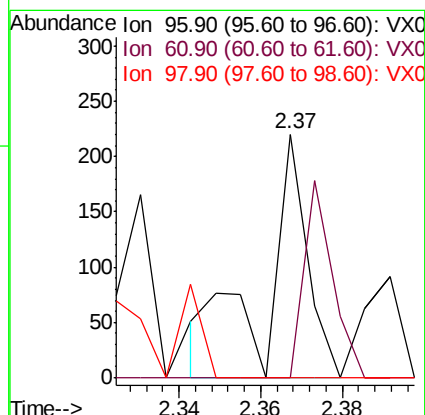
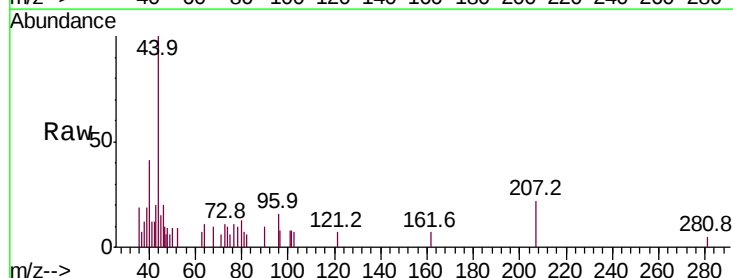
Tot Ion: 59 Resp: 1354
Ion Ratio Lower Upper
59 100
57 6.9 9.0 13.6#

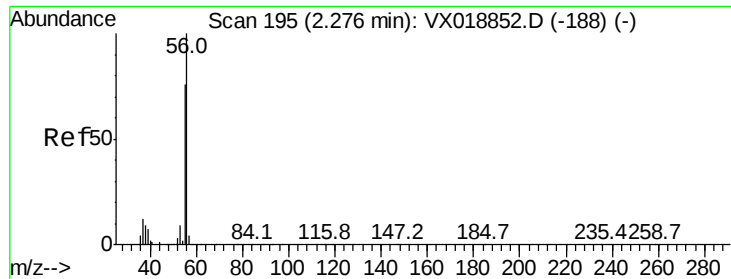


#12

1,1-Dichloroethene
Concen: 0.773 ug/l
RT: 2.37 min Scan# 210
Delta R.T. 0.01 min
Lab File: VX018927.D
Acq: 13 Oct 2020 13:00

Tgt Ion: 96 Resp: 159
Ion Ratio Lower Upper
96 100
61 0.0 137.0 205.6#
98 0.0 53.9 80.9#





#13

Acrolein

Concen: 0.499 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX018927.D

Acq: 13 Oct 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

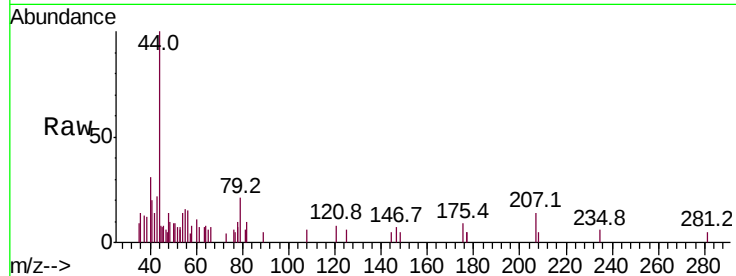
VX1013WBL01

Tot Ion: 56 Resp: 239

Ion Ratio Lower Upper

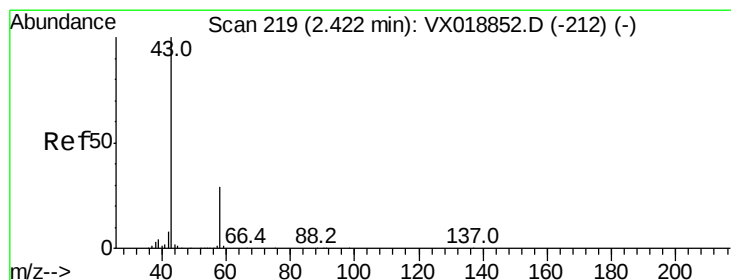
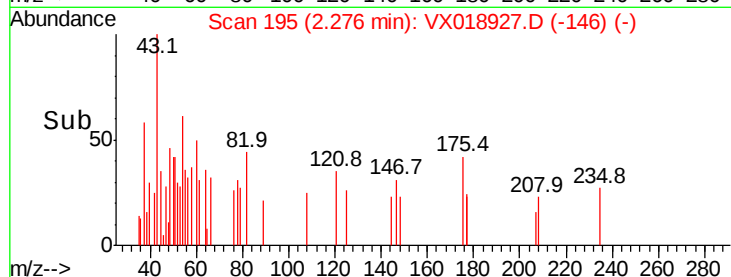
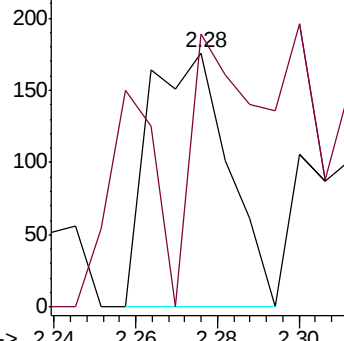
56 100

55 95.8 58.6 87.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: Below Cal

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018927.D

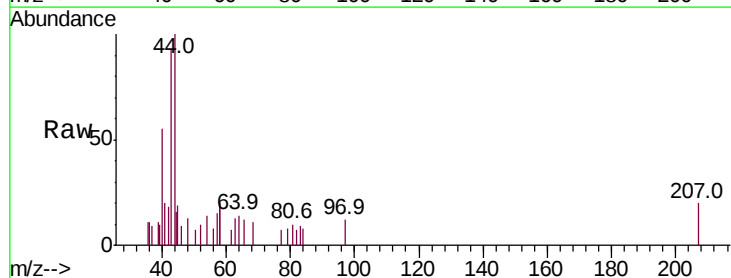
Acq: 13 Oct 2020 13:00

Tgt Ion: 43 Resp: 1560

Ion Ratio Lower Upper

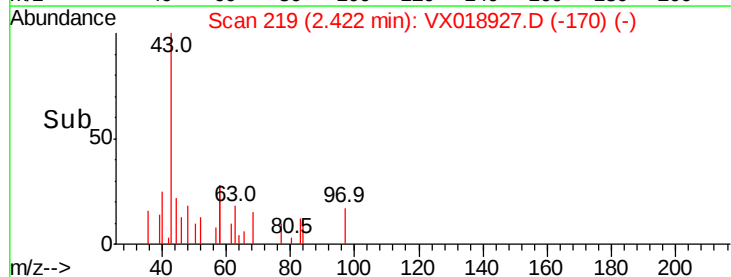
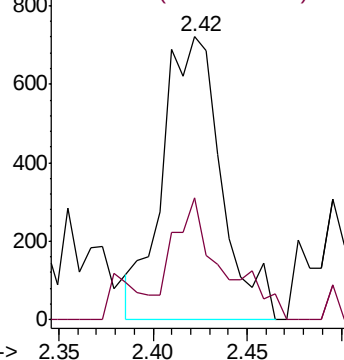
43 100

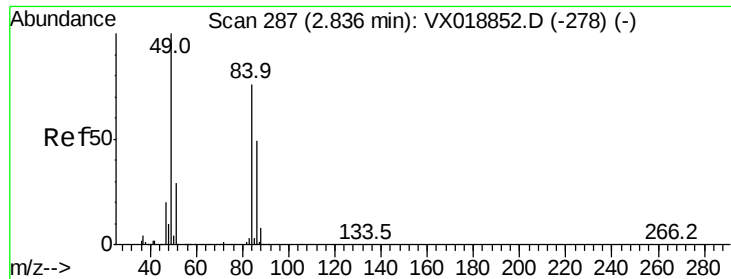
58 34.0 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

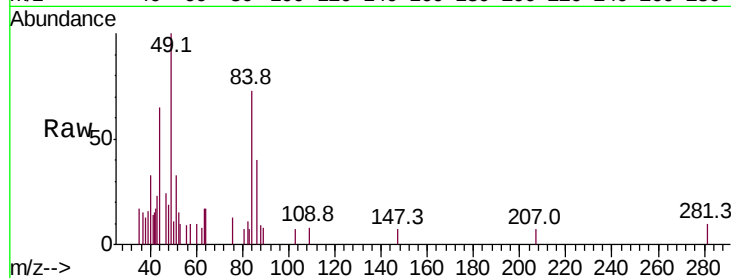




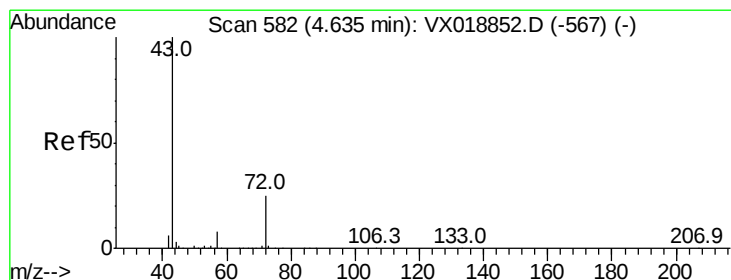
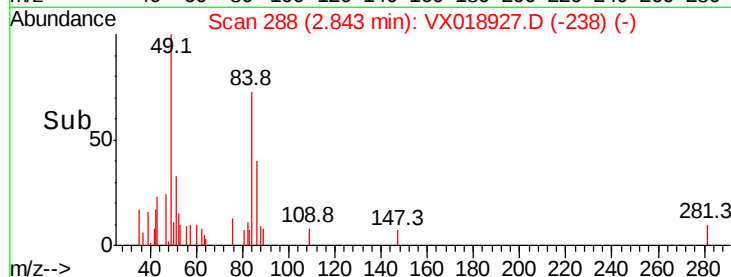
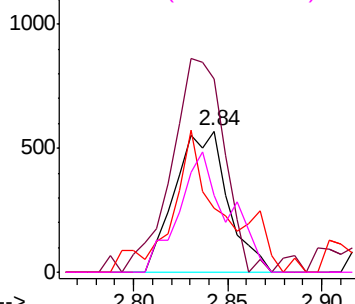
#20
Methvlene Chloride
Concen: 0.924 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018927.D
Acq: 13 Oct 2020 13:00

Instrument :
MSVOA_X
ClientSampled :
VX1013WBL01

Tot Ion:	84	Resp:	1106
Ion	Ratio	Lower	Upper
84	100		
49	126.9	104.8	157.2
51	45.7	30.6	46.0
86	54.8	50.8	76.2

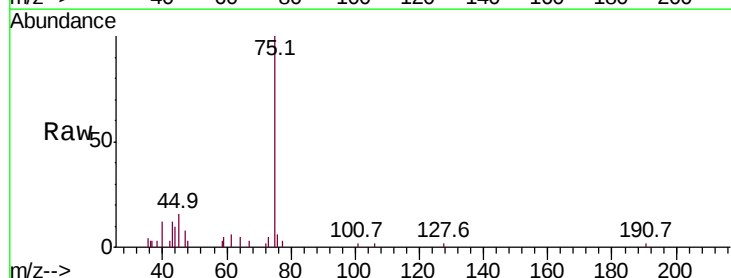


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

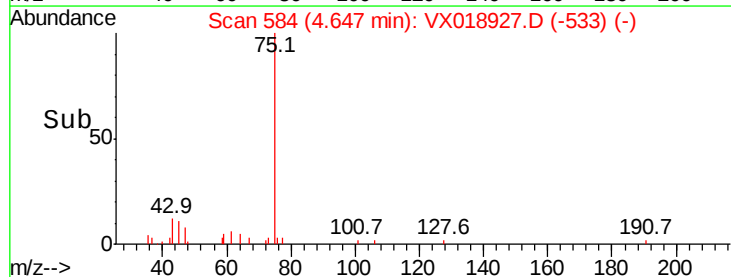
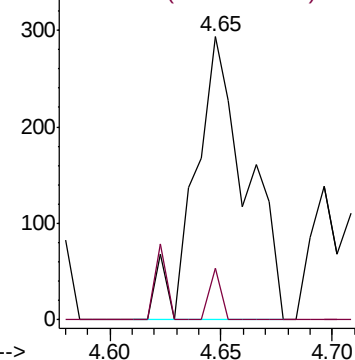


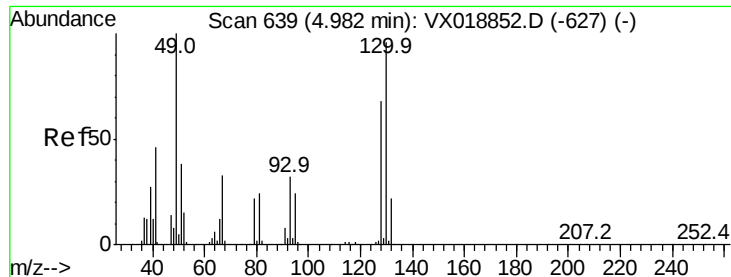
#25
2-Butanone
Concen: 0.239 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018927.D
Acq: 13 Oct 2020 13:00

Tgt Ion:	43	Resp:	473
Ion	Ratio	Lower	Upper
43	100		
72	18.1	20.2	30.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

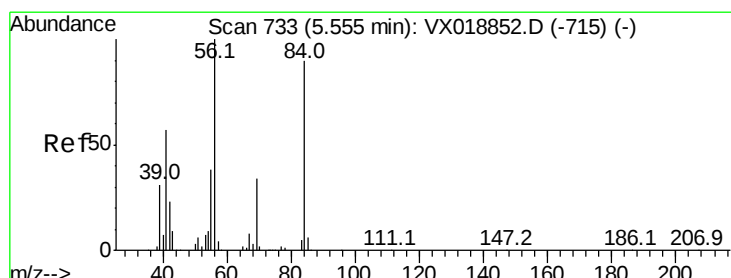
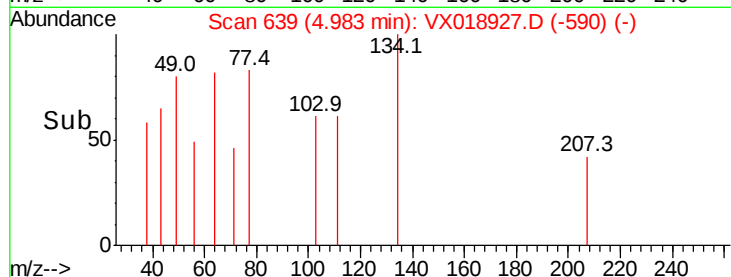
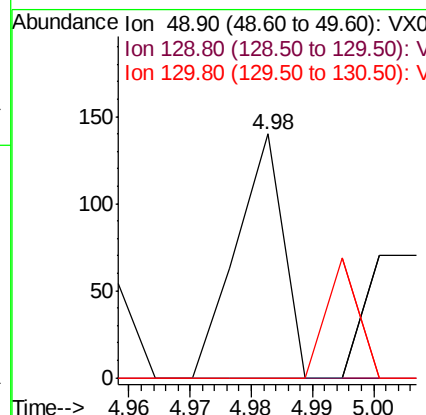
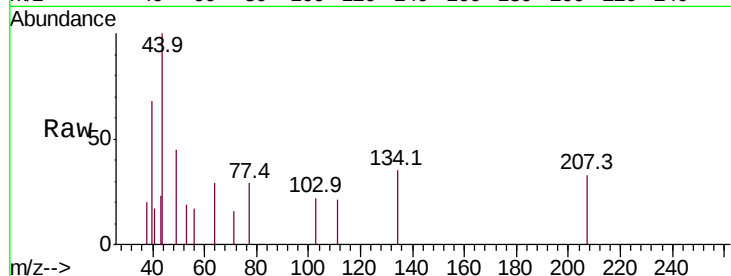




#28
Bromochloromethane
Concen: 1.554 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX018927.D
Acq: 13 Oct 2020 13:00

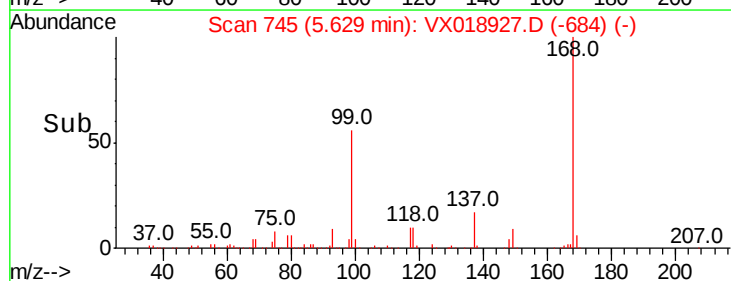
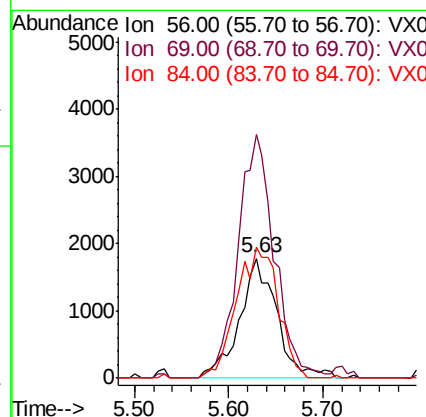
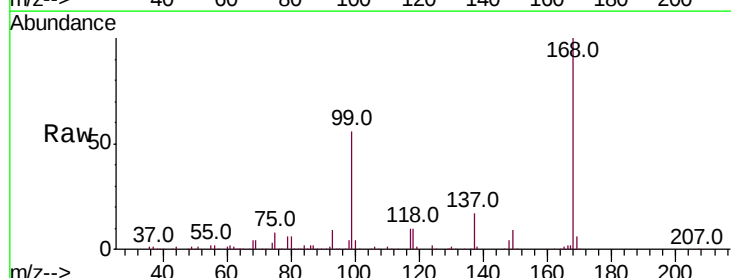
Instrument :
MSVOA_X
ClientSampleId :
VX1013WBL01

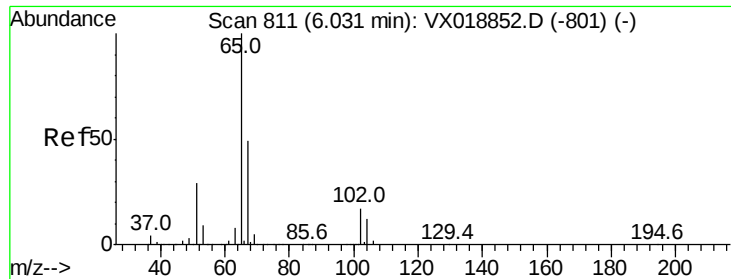
Tot Ion: 49 Resp: 74
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 33.8 71.2 106.8#



#31
Cyclohexane
Concen: 1.432 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.07 min
Lab File: VX018927.D
Acq: 13 Oct 2020 13:00

Tgt Ion: 56 Resp: 4884
Ion Ratio Lower Upper
56 100
69 203.4 27.1 40.7#
84 109.2 71.7 107.5#





#33

1,2-Dichloroethane-d4

Concen: 50.334 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018927.D

Acq: 13 Oct 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

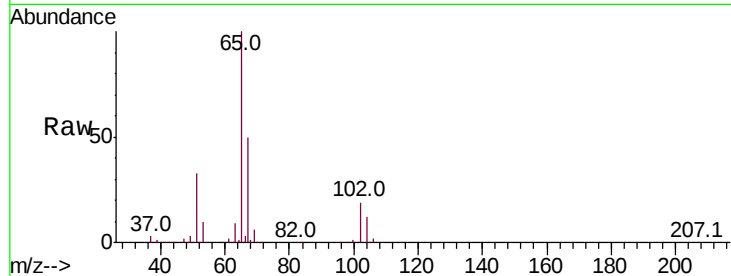
VX1013WBL01

Tot Ion: 65 Resp: 183808

Ion Ratio Lower Upper

65 100

67 49.9 0.0 97.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

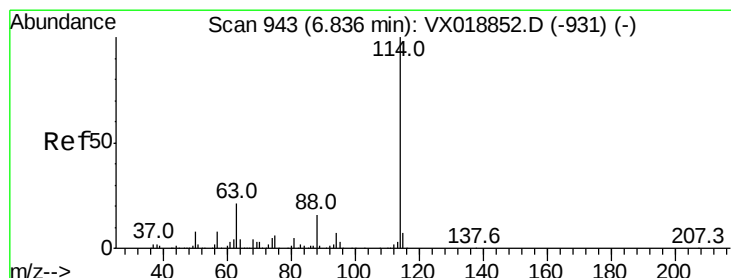
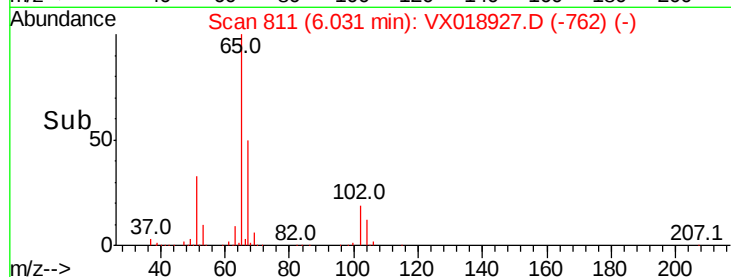
40000

20000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018927.D

Acq: 13 Oct 2020 13:00

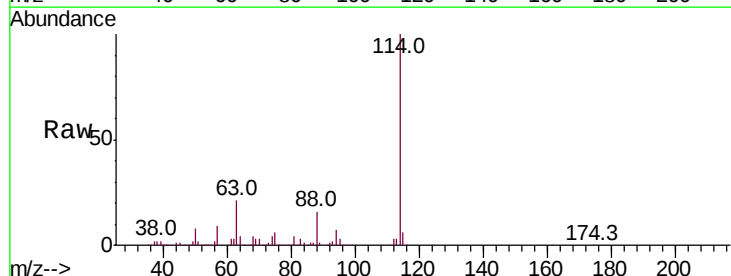
Tgt Ion:114 Resp: 388295

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

88 16.2 0.0 32.6



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

200000

150000

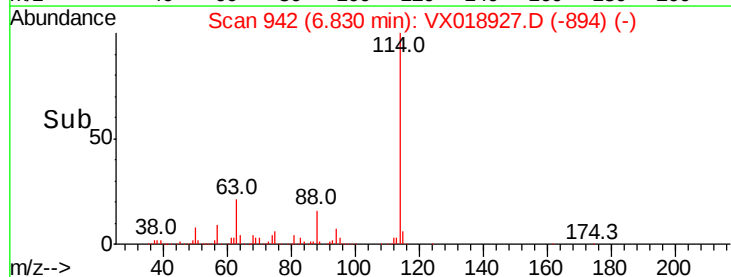
100000

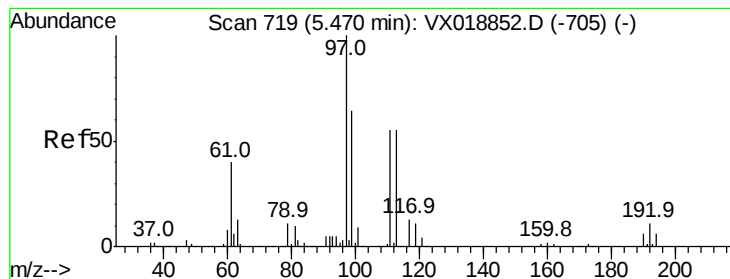
50000

0

Time-->

6.70 6.80 6.90





#35

Dibromofluoromethane

Concen: 50.957 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018927.D

Acq: 13 Oct 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX1013WBL01

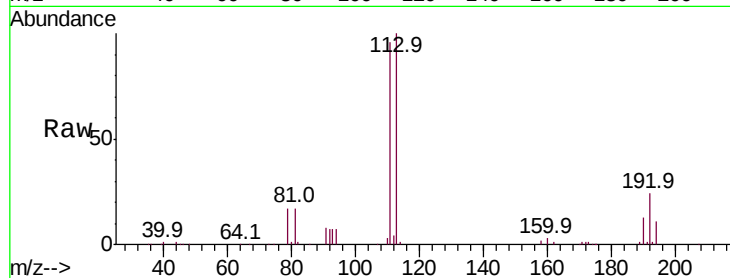
Tot Ion:113 Resp: 141010

Ion Ratio Lower Upper

113 100

111 102.1 80.1 120.1

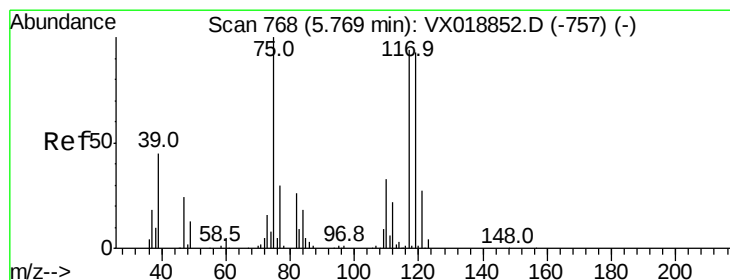
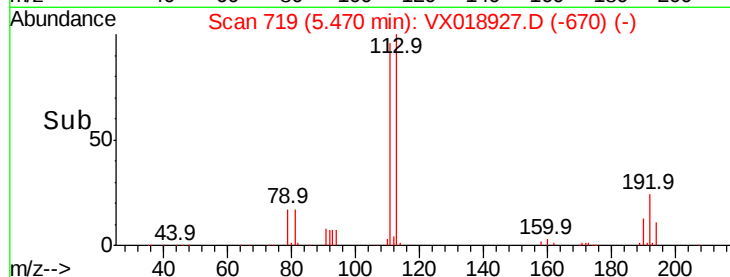
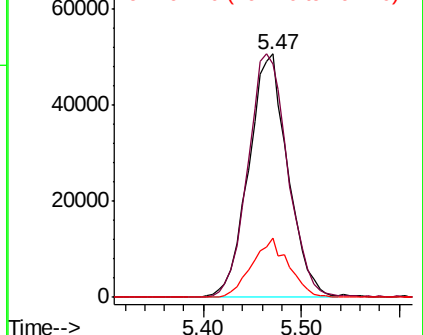
192 23.0 16.0 24.0



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: 4.378 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018927.D

Acq: 13 Oct 2020 13:00

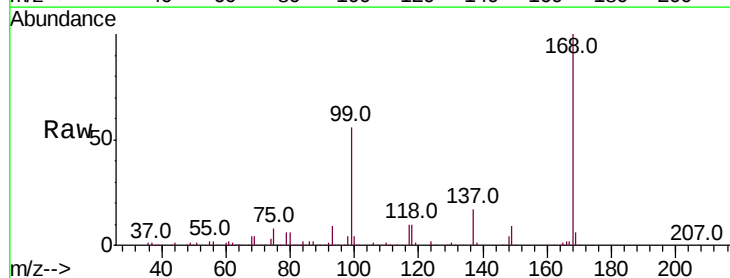
Tgt Ion: 75 Resp: 17875

Ion Ratio Lower Upper

75 100

110 10.5 17.8 53.5#

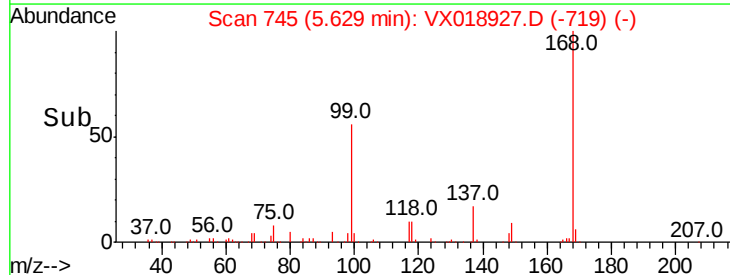
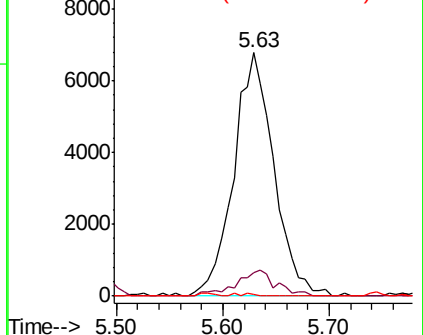
77 0.2 24.2 36.4#

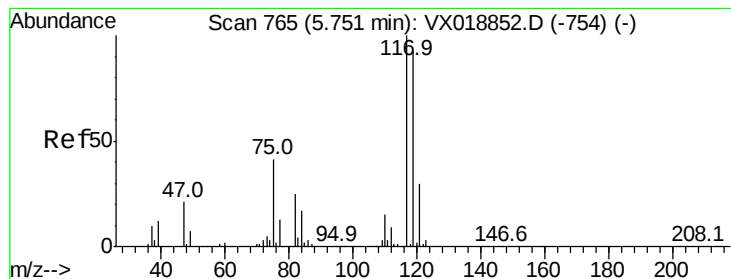


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.798 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018927.D

Acq: 13 Oct 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX1013WBL01

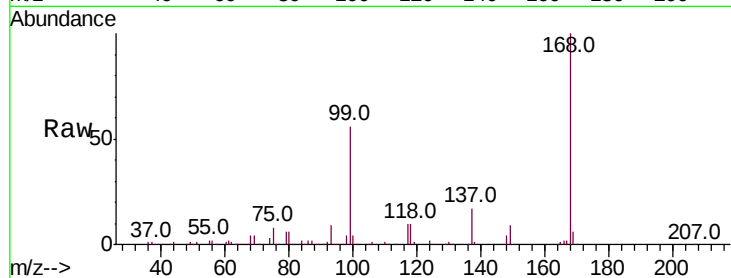
Tot Ion:117 Resp: 24276

Ion Ratio Lower Upper

117 100

119 9.9 73.9 110.9#

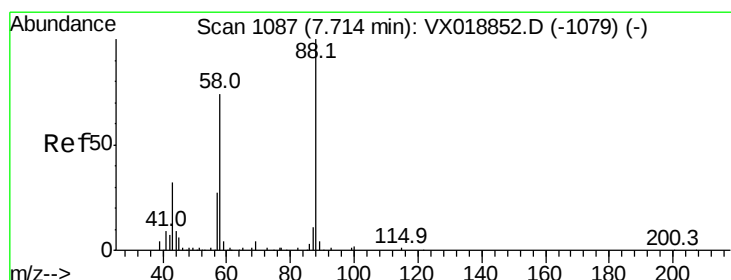
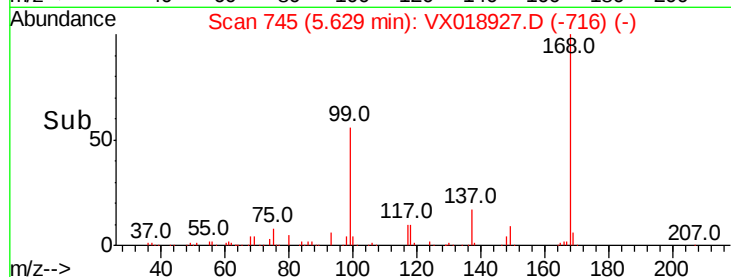
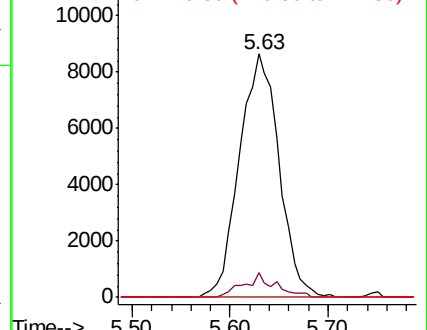
121 0.0 23.6 35.4#



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: 0.601 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.03 min

Lab File: VX018927.D

Acq: 13 Oct 2020 13:00

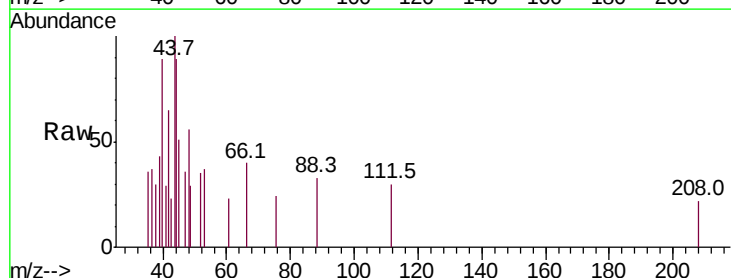
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 710.7 31.0 46.6#

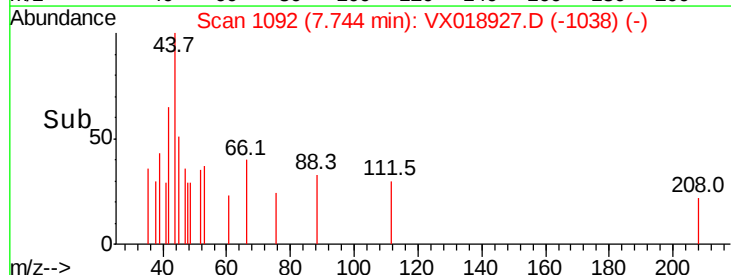
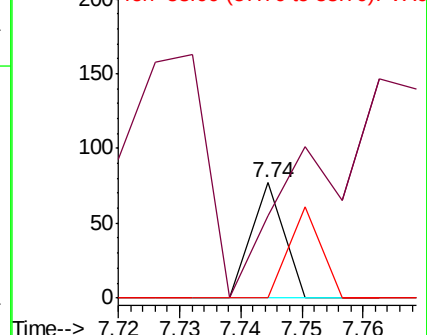
58 78.6 59.3 88.9

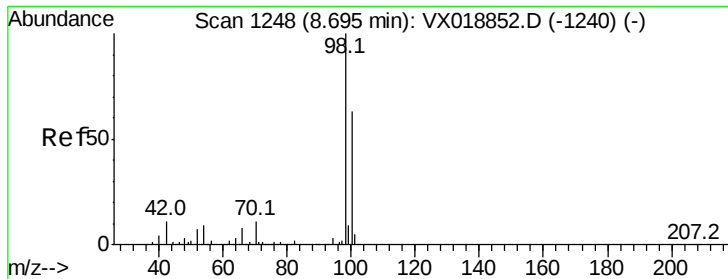


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

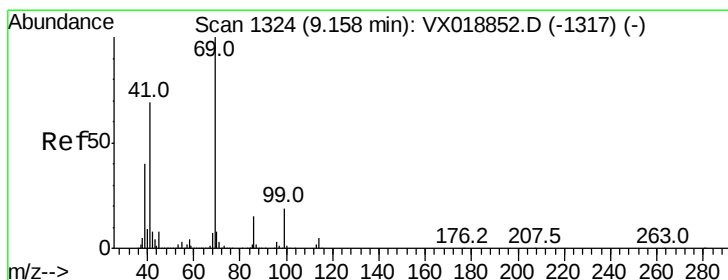
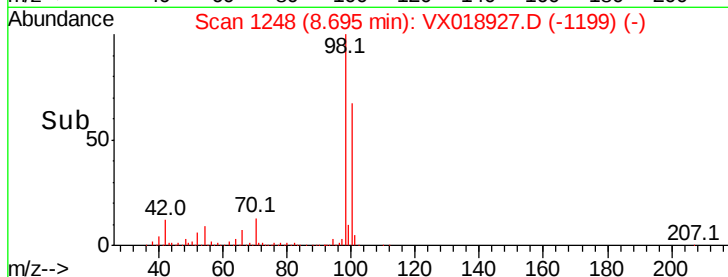
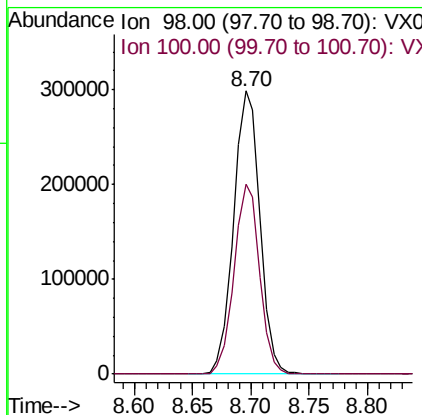
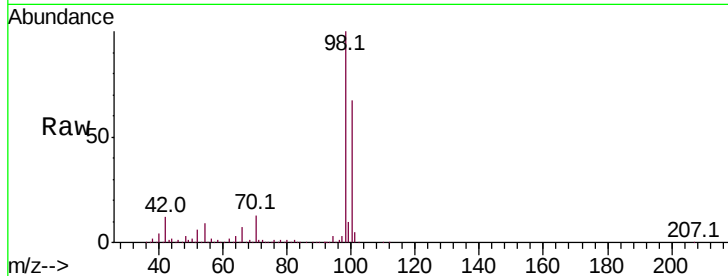




#50
Toluene-d8
Concen: 49.037 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018927.D
Acq: 13 Oct 2020 13:00

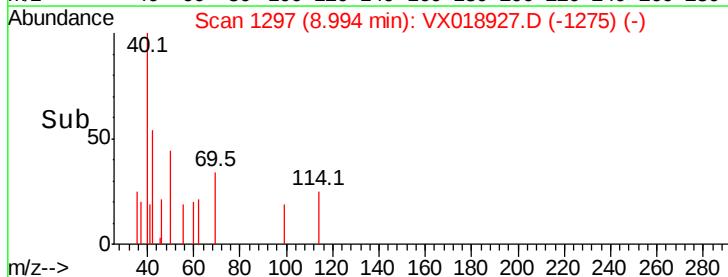
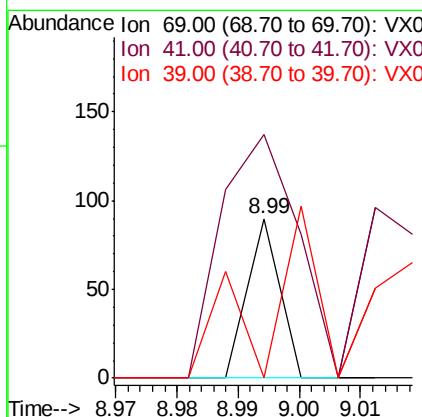
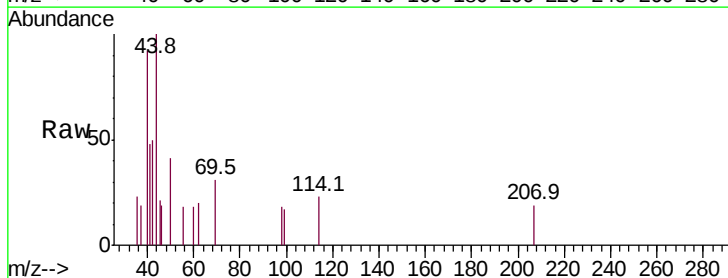
Instrument :
MSVOA_X
ClientSampleId :
VX1013WBL01

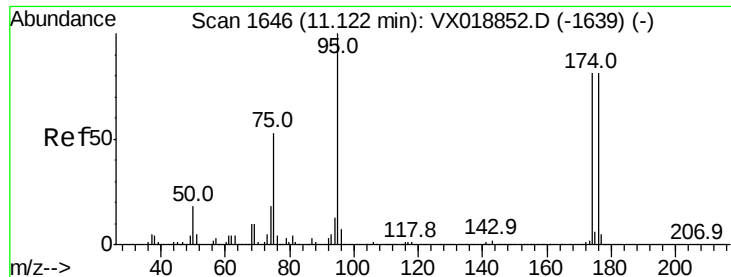
Tot Ion: 98 Resp: 470695
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7



#56
Ethyl methacrylate
Concen: 2.941 ug/l
RT: 8.99 min Scan# 1297
Delta R.T. -0.16 min
Lab File: VX018927.D
Acq: 13 Oct 2020 13:00

Tgt Ion: 69 Resp: 33
Ion Ratio Lower Upper
69 100
41 360.6 54.6 81.8#
39 172.7 31.5 47.3#





#62

4-Bromofluorobenzene

Concen: 45.232 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018927.D

Acq: 13 Oct 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX1013WBL01

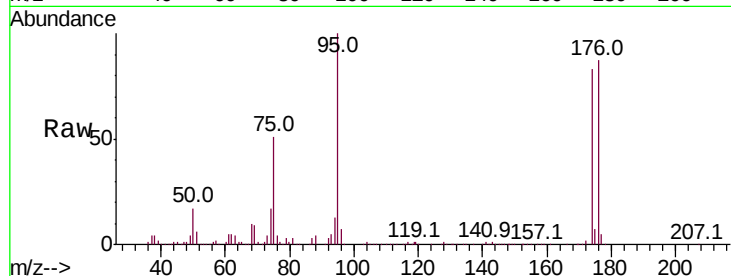
Tot Ion: 95 Resp: 173044

Ion Ratio Lower Upper

95 100

174 89.0 0.0 160.0

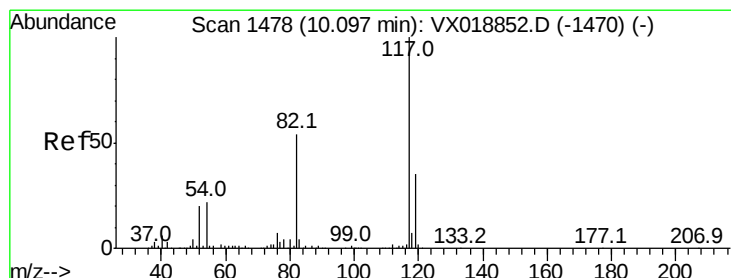
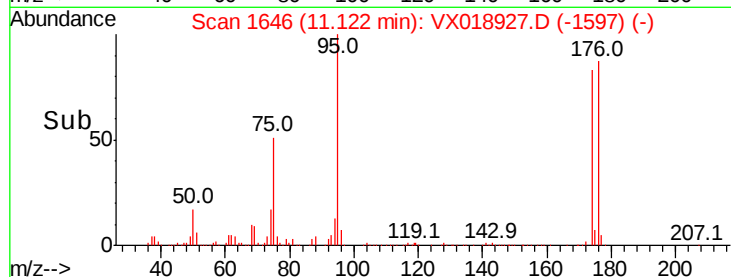
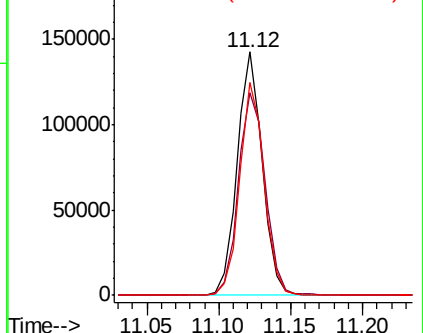
176 85.3 0.0 161.2



Abundance Ion 94.90 (94.60 to 95.60): VX018852.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018852.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018852.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018927.D

Acq: 13 Oct 2020 13:00

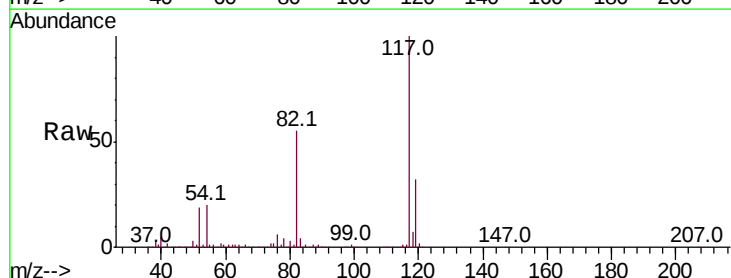
Tgt Ion: 117 Resp: 377402

Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.2

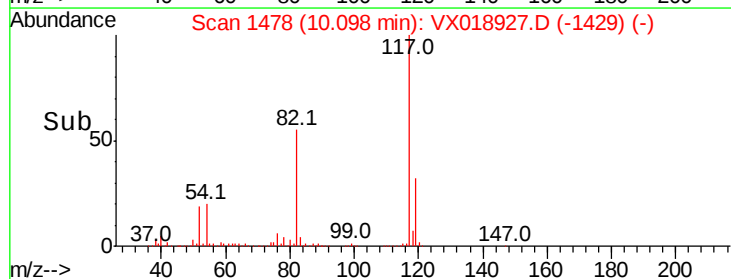
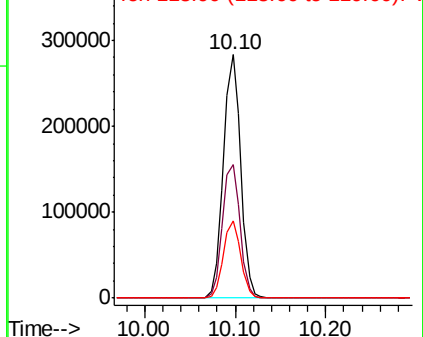
119 31.6 28.3 42.5

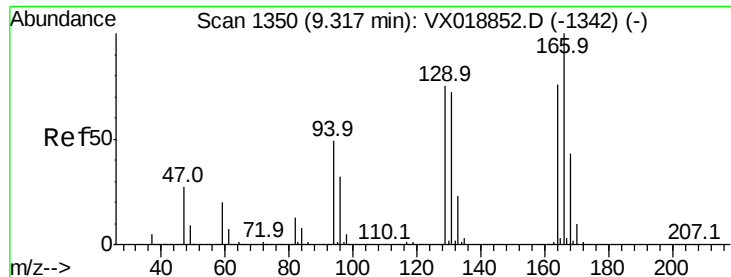


Abundance Ion 116.90 (116.60 to 117.60): VX018852.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX018852.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX018852.D (-1470) (-)





#64

Tetrachloroethene

Concen: Below Cal

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018927.D

Acq: 13 Oct 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX1013WBL01

Tot Ion:164 Resp: 109

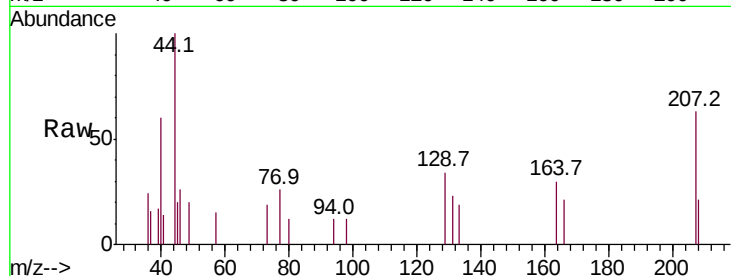
Ion Ratio Lower Upper

164 100

166 71.7 105.4 158.0#

129 116.5 79.0 118.6

131 78.0 75.7 113.5

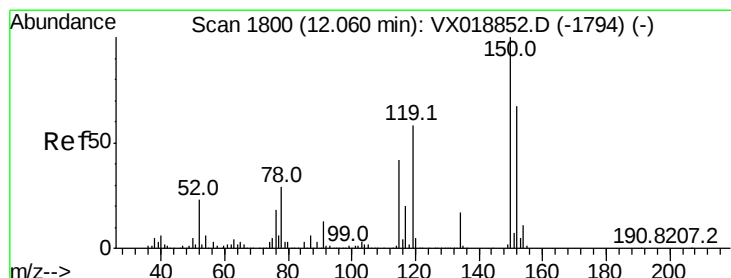
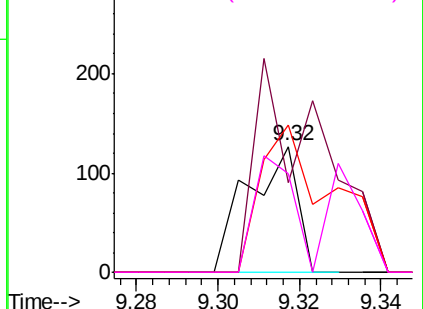
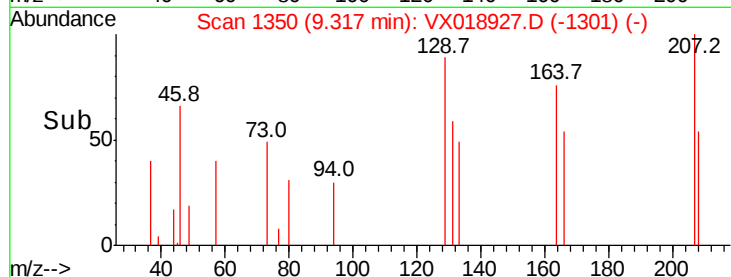


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX018927.D

Acq: 13 Oct 2020 13:00

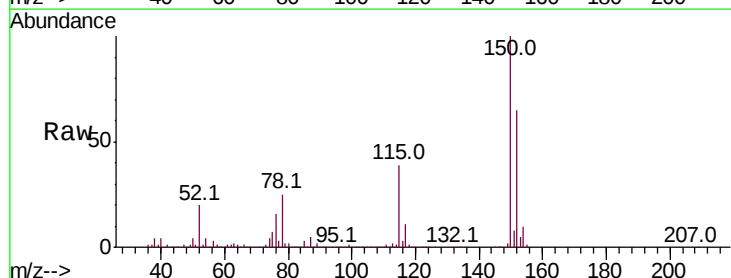
Tgt Ion:152 Resp: 194213

Ion Ratio Lower Upper

152 100

115 56.9 41.8 125.4

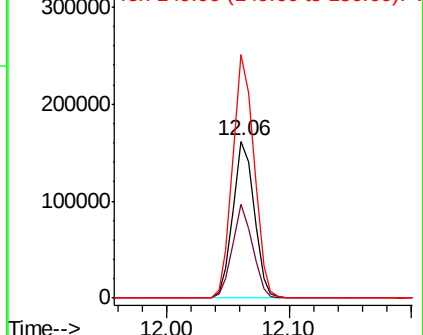
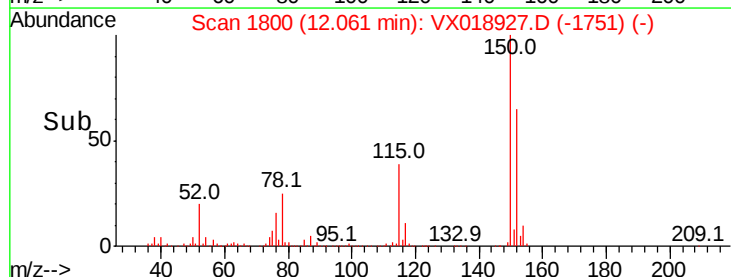
150 156.3 0.0 347.6

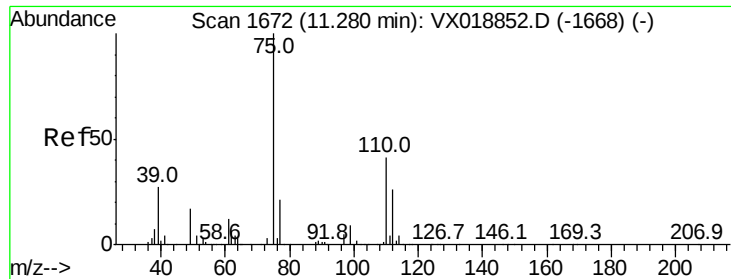


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

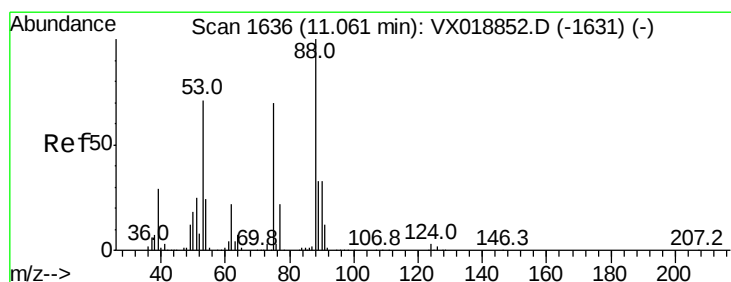
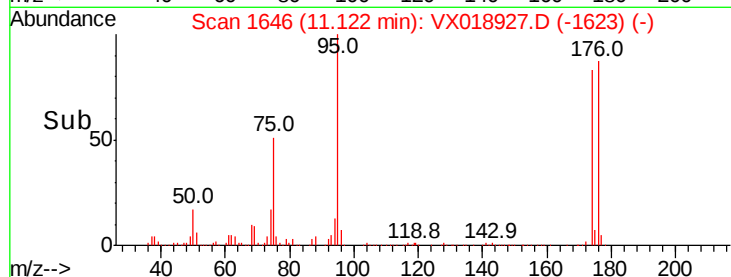
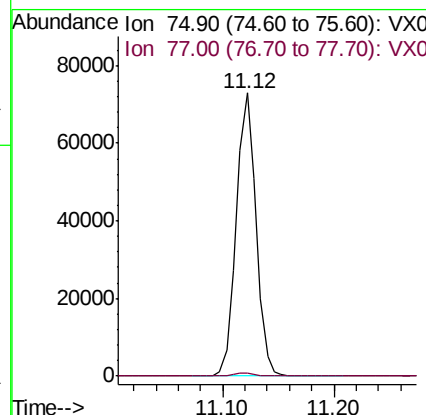
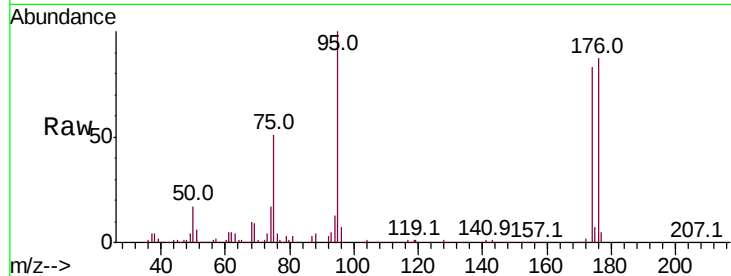




#76
 1,2,3-Trichloropropane
 Concen: 21.409 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018927.D
 Acq: 13 Oct 2020 13:00

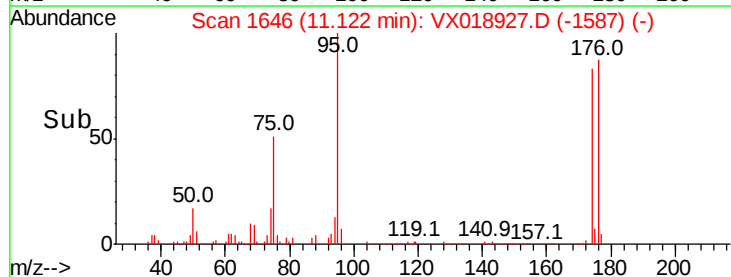
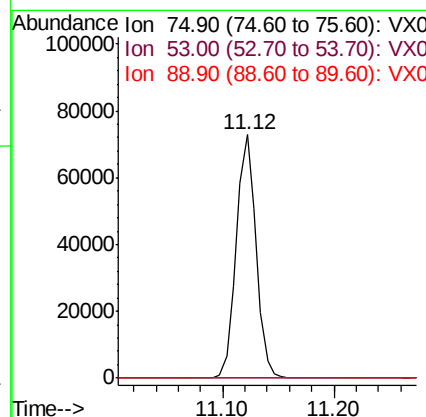
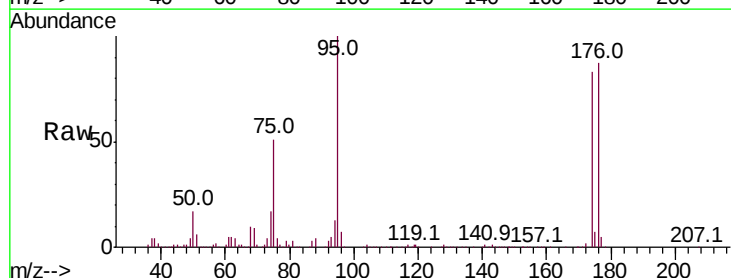
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1013WBL01

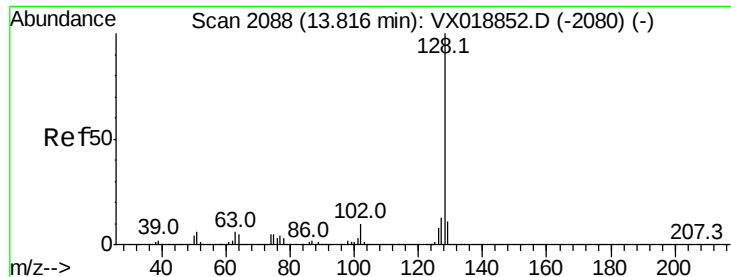
Tot Ion: 75 Resp: 89589
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.672 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018927.D
 Acq: 13 Oct 2020 13:00

Tgt Ion: 75 Resp: 89589
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.0 127.4#
 89 0.0 39.0 58.4#





#95

Naphthalene

Concen: 3.131 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018927.D

Acq: 13 Oct 2020 13:00

Instrument :

MSVOA_X

ClientSampleId :

VX1013WBL01

Tot Ion:128 Resp: 753

Ion Ratio Lower Upper

128 100

127 2.5 10.1 15.1#

129 9.2 8.6 13.0

