

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072020\
 Data File : VX017438.D
 Acq On : 20 Jul 2020 16:50
 Operator : JC/SP
 Sample : PB130293TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130293TB

Quant Time: Jul 21 02:04:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	266300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	462884	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	489285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	277328	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	175639	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
35) Dibromofluoromethane	5.46	113	155042	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
50) Toluene-d8	8.70	98	576236	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.12	95	246552	55.19	ug/l	0.00
Spiked Amount			Recovery	=	110.38%	

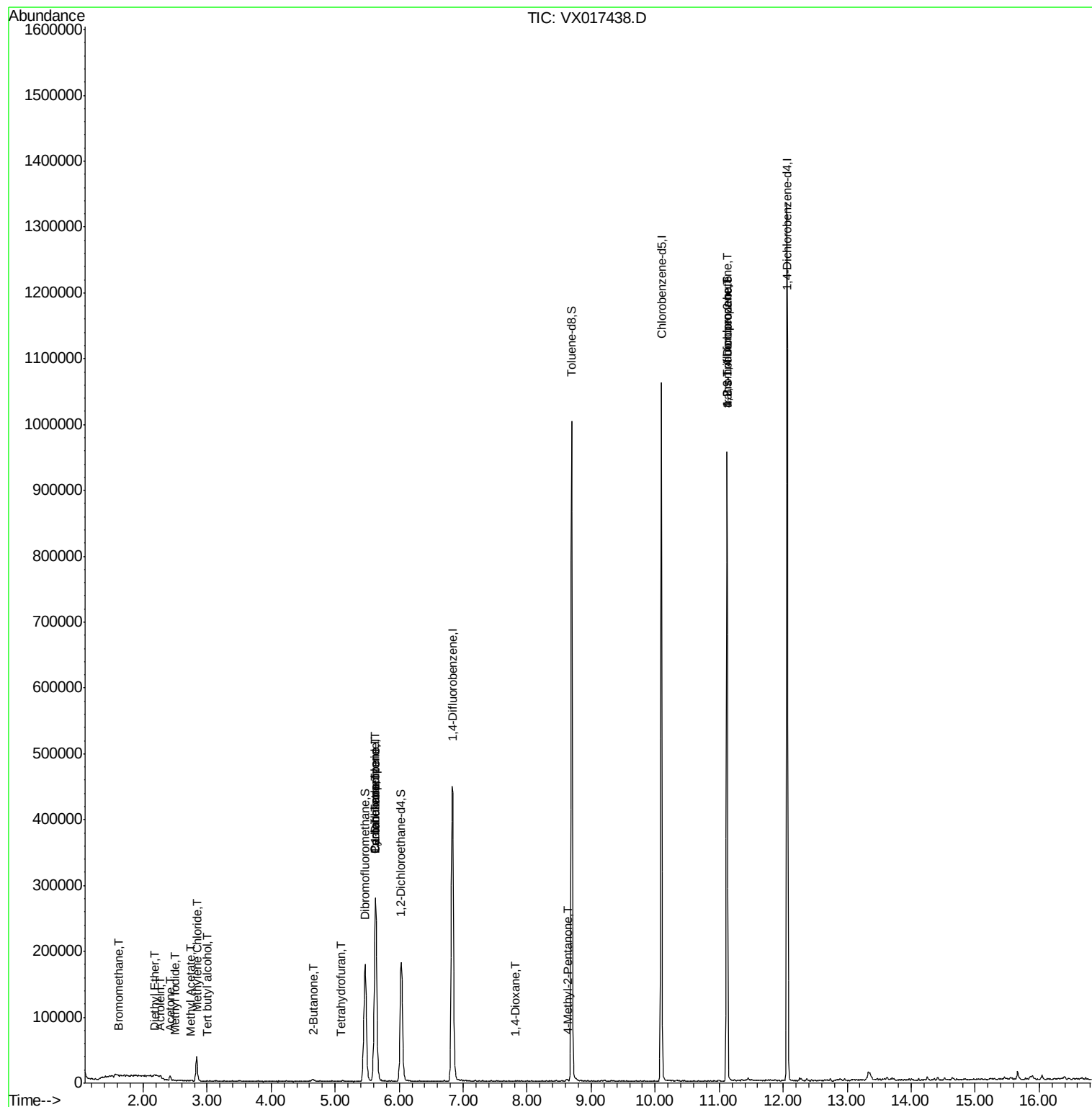
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	341	0.209	ug/l #	2
8) Diethyl Ether	2.17	74	778	0.520	ug/l	94
10) Methyl Iodide	2.50	142	84	2.399	ug/l #	89
11) Tert butyl alcohol	3.01	59	215	0.382	ug/l #	72
13) Acrolein	2.27	56	251	0.813	ug/l #	48
16) Acetone	2.42	43	6269	5.258	ug/l	99
18) Methyl Acetate	2.75	43	840	0.285	ug/l #	71
20) Methylene Chloride	2.84	84	17057	5.863	ug/l	92
25) 2-Butanone	4.66	43	1772	0.936	ug/l	97
29) Tetrahydrofuran	5.09	42	885	0.722	ug/l #	74
31) Cyclohexane	5.63	56	5823	1.513	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20055	4.710	ug/l #	50
38) Carbon Tetrachloride	5.63	117	26896	5.395	ug/l #	18
49) 1,4-Dioxane	7.82	88	77	1.114	ug/l #	54
51) 4-Methyl-2-Pentanone	8.62	43	1936	0.451	ug/l #	82
76) 1,2,3-Trichloropropane	11.12	75	121888	23.785	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	121888	60.337	ug/l #	11

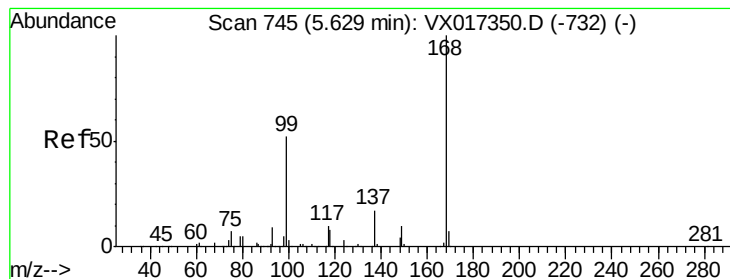
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX017438.D

Acq: 20 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

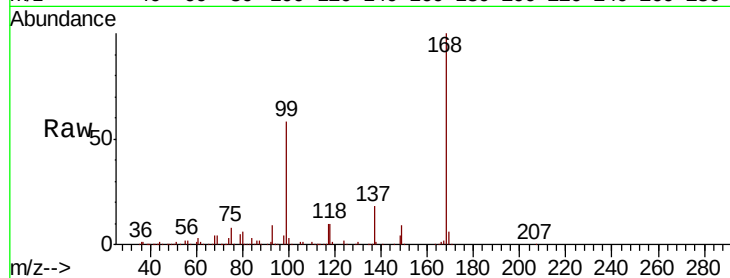
PB130293TB

Tot Ion:168 Resp: 266300

Ion Ratio Lower Upper

168 100

99 57.9 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

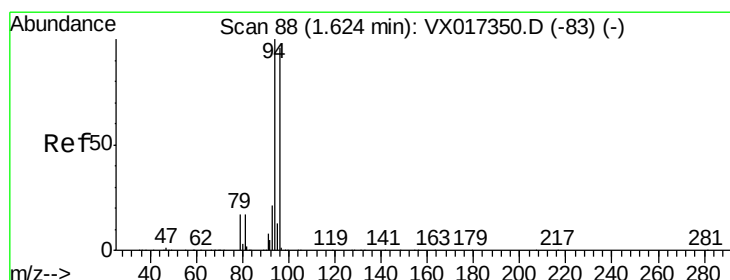
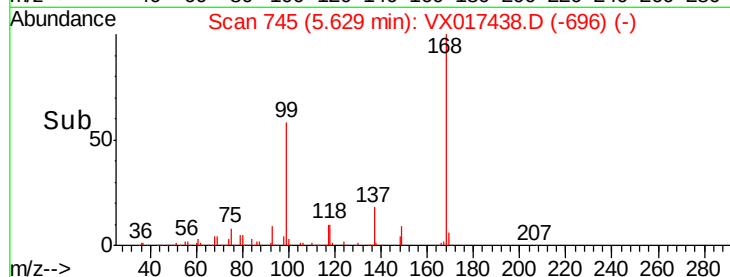
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.209 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX017438.D

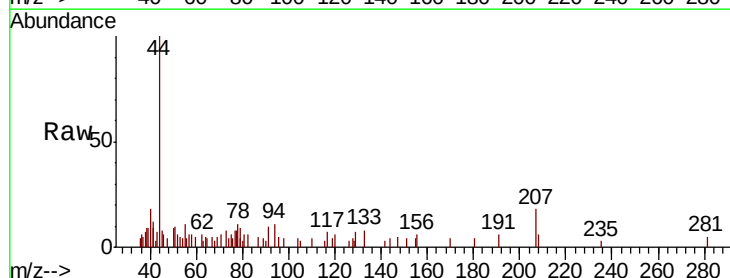
Acq: 20 Jul 2020 16:50

Tgt Ion: 94 Resp: 341

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

250

200

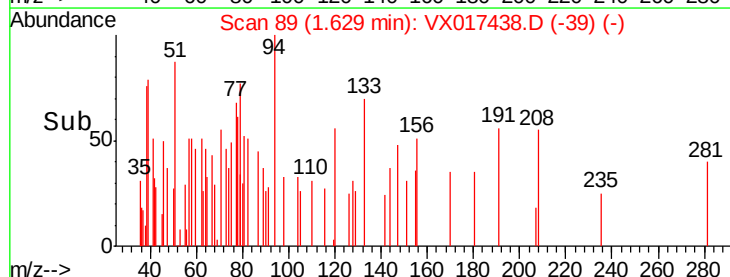
150

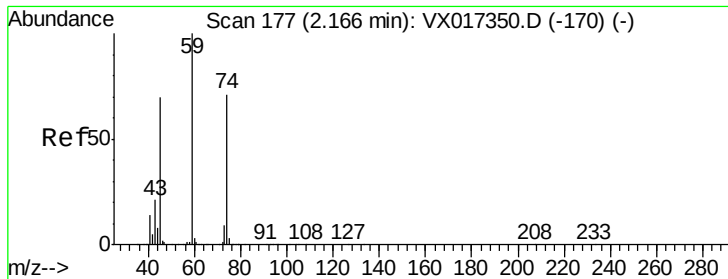
100

50

0

Time-->





#8

Diethyl Ether

Concen: 0.520 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017438.D

Acq: 20 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampled :

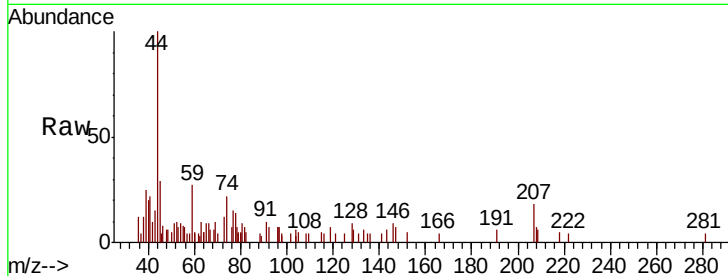
PB130293TB

Tot Ion: 74 Resp: 778

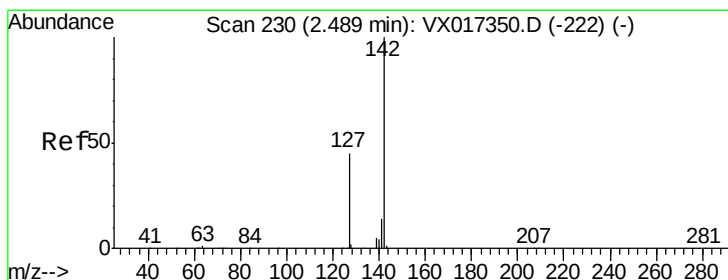
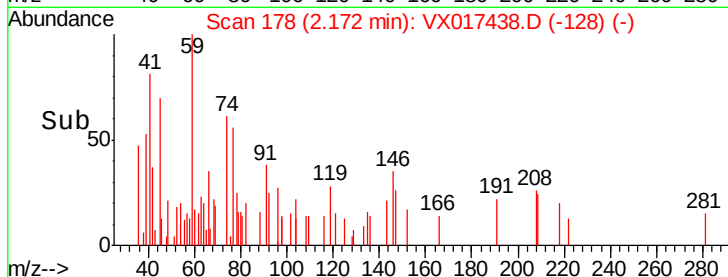
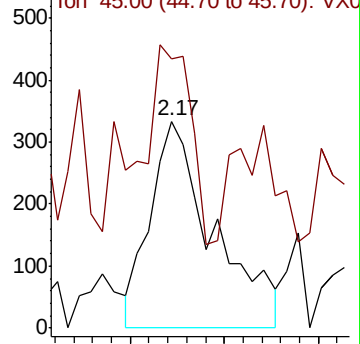
Ion Ratio Lower Upper

74 100

45 89.1 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VX0



#10

Methyl Iodide

Concen: 2.399 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX017438.D

Acq: 20 Jul 2020 16:50

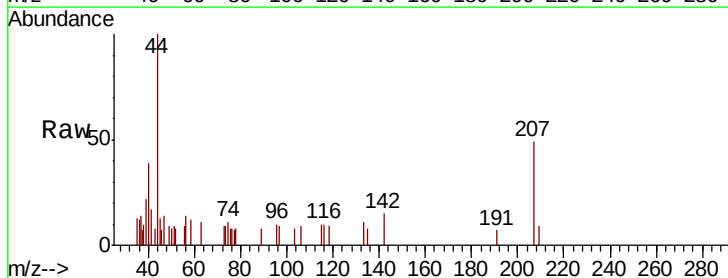
Tgt Ion: 142 Resp: 84

Ion Ratio Lower Upper

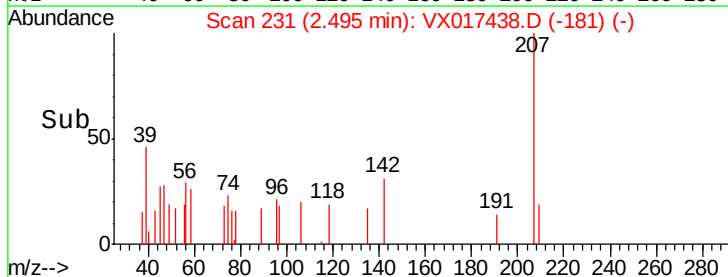
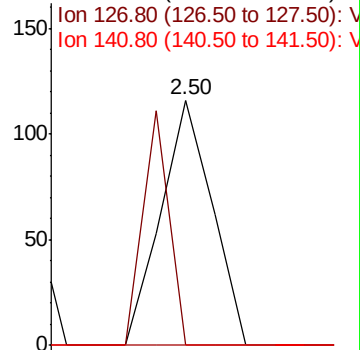
142 100

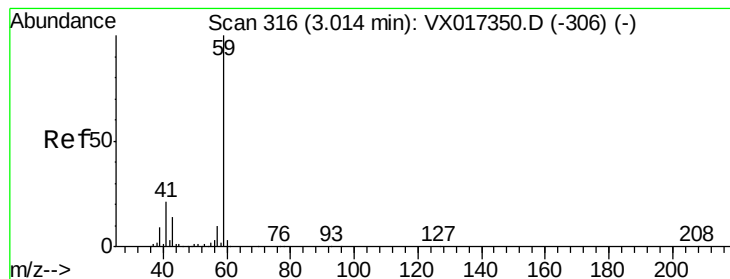
127 48.8 36.8 55.2

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V



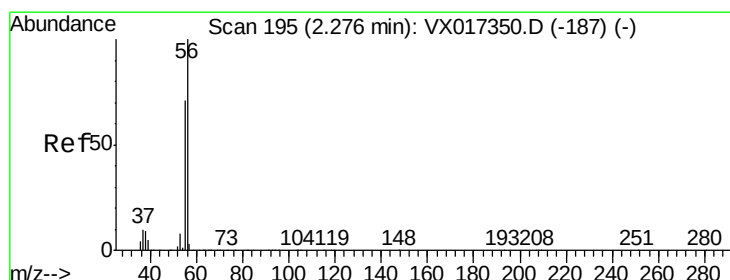
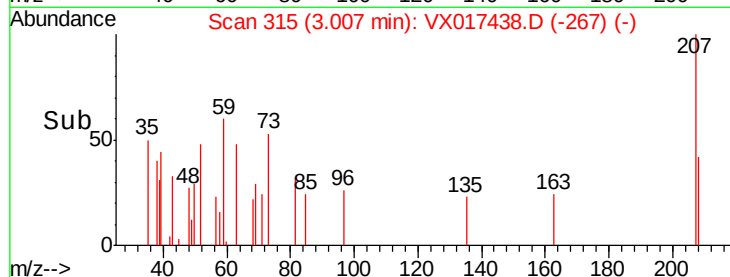
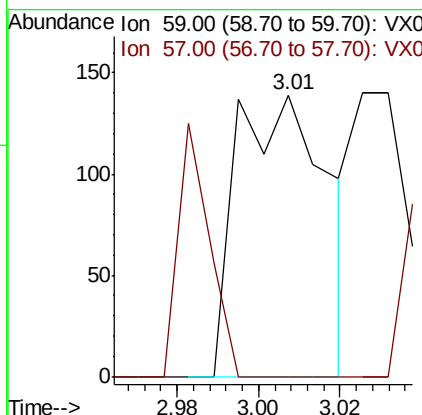
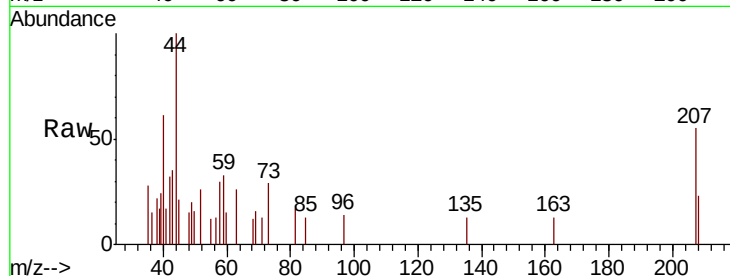


#11

Tert butyl alcohol
Concen: 0.382 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017438.D
Acq: 20 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampled :
PB130293TB

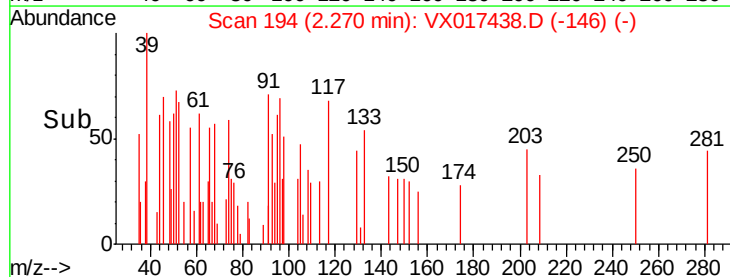
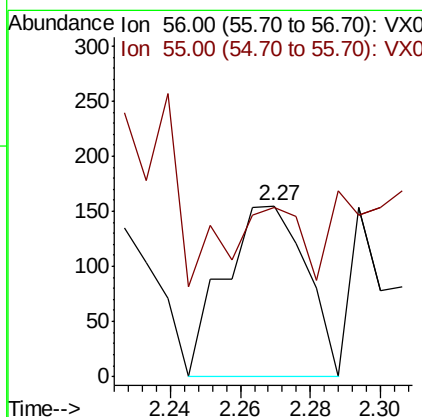
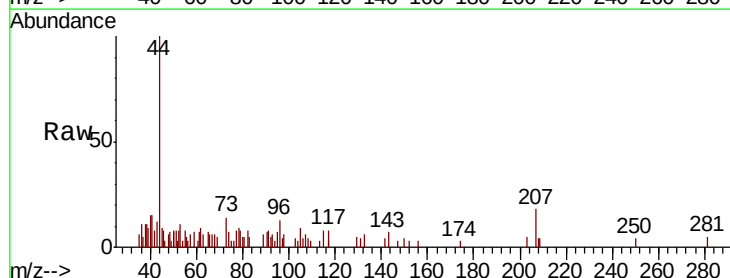
Tot Ion: 59 Resp: 215
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

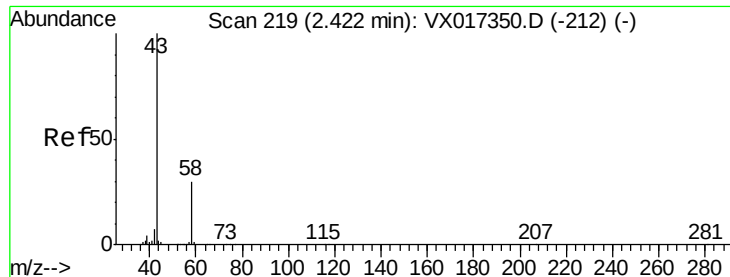


#13

Acrolein
Concen: 0.813 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX017438.D
Acq: 20 Jul 2020 16:50

Tgt Ion: 56 Resp: 251
Ion Ratio Lower Upper
56 100
55 28.3 57.1 85.7#





#16

Acetone

Concen: 5.258 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017438.D

Acq: 20 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

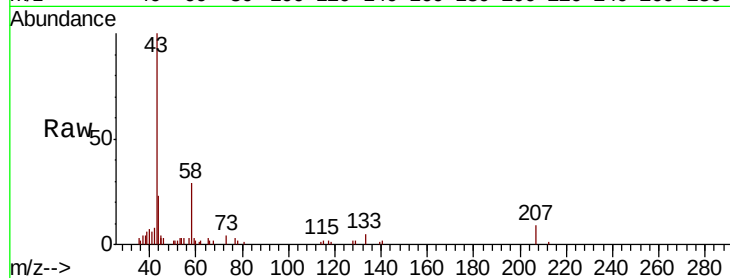
PB130293TB

Tot Ion: 43 Resp: 6269

Ion Ratio Lower Upper

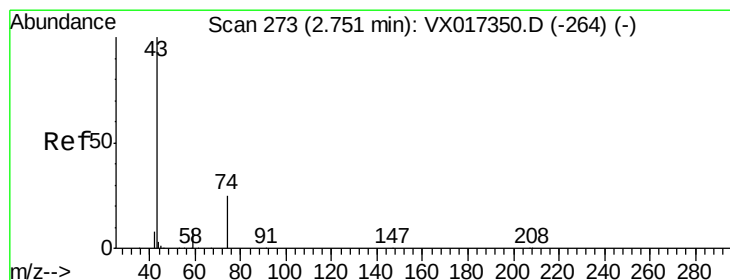
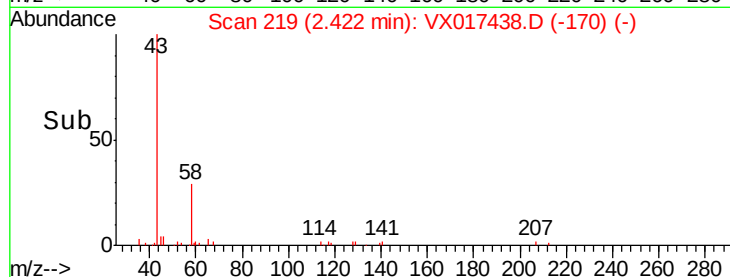
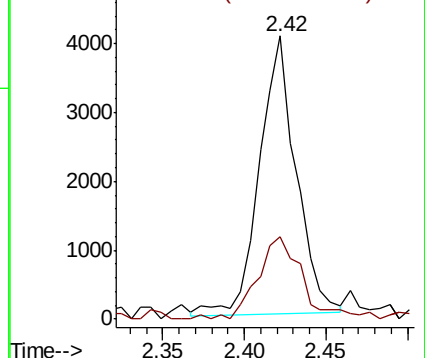
43 100

58 29.8 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.285 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX017438.D

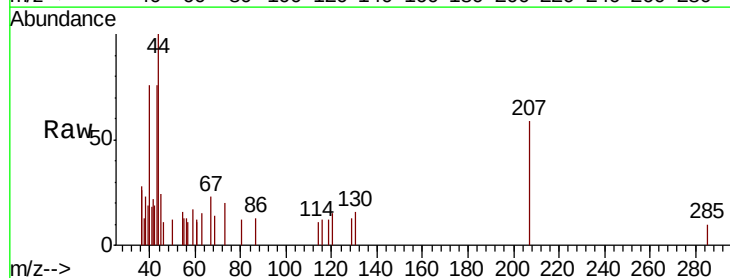
Acq: 20 Jul 2020 16:50

Tgt Ion: 43 Resp: 840

Ion Ratio Lower Upper

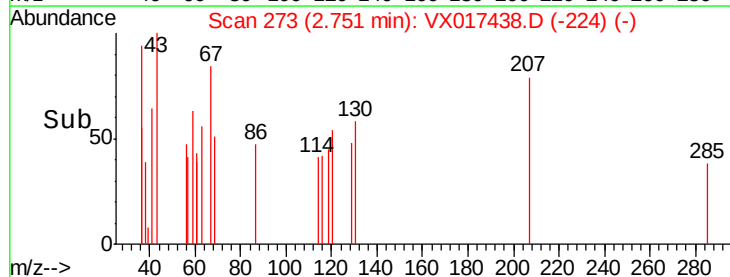
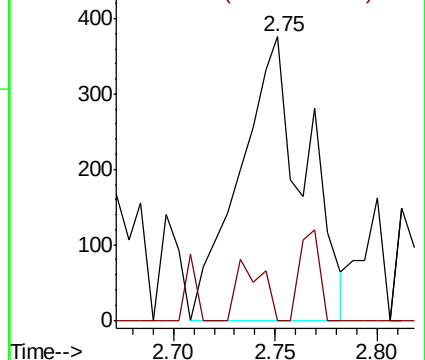
43 100

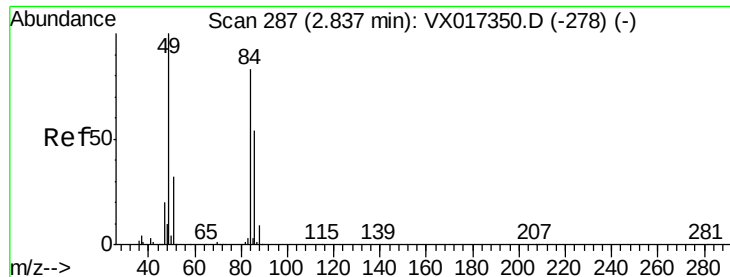
74 9.9 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

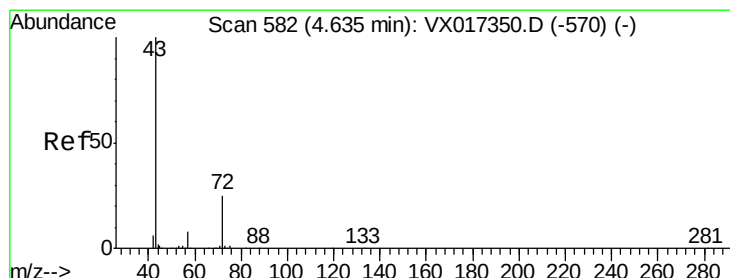
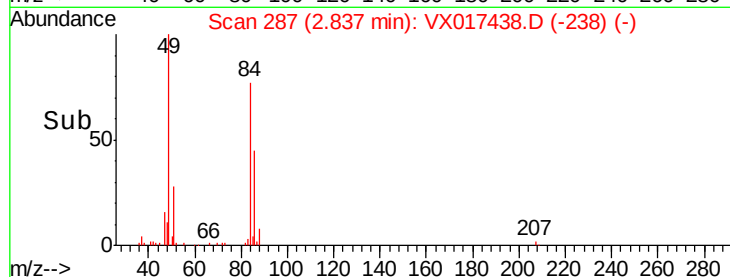
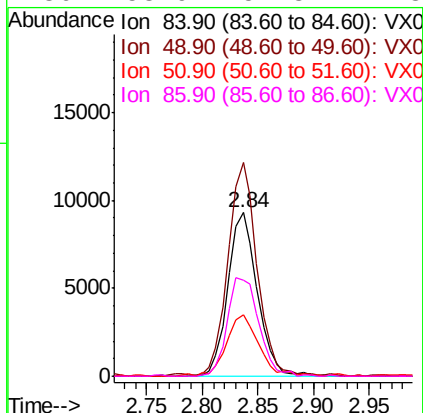
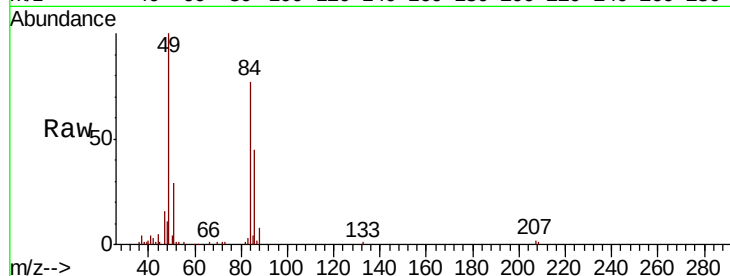




#20
Methvlene Chloride
Concen: 5.863 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX017438.D
Acq: 20 Jul 2020 16:50

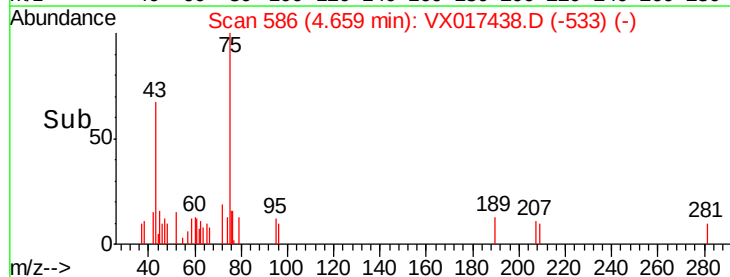
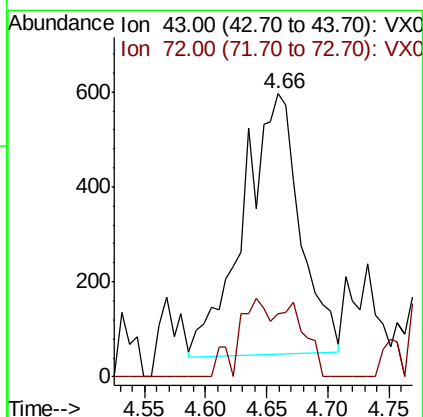
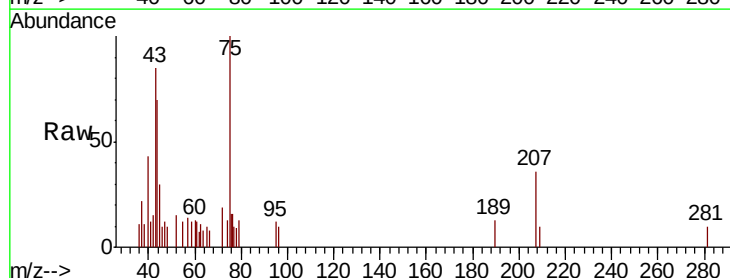
Instrument :
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ClientSampleId :
PB130293TB

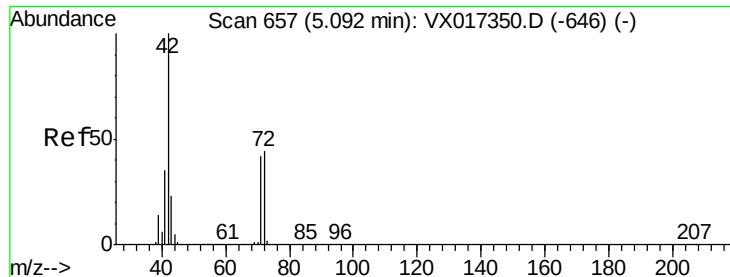
Tot Ion:	84	Resp:	17057
Ion	Ratio	Lower	Upper
84	100		
49	129.9	95.8	143.8
51	36.1	31.0	46.4
86	58.9	51.8	77.8



#25
2-Butanone
Concen: 0.936 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX017438.D
Acq: 20 Jul 2020 16:50

Tgt Ion:	43	Resp:	1772
Ion	Ratio	Lower	Upper
43	100		
72	24.2	20.4	30.6

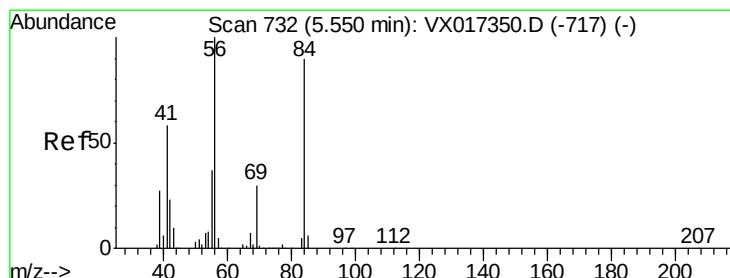
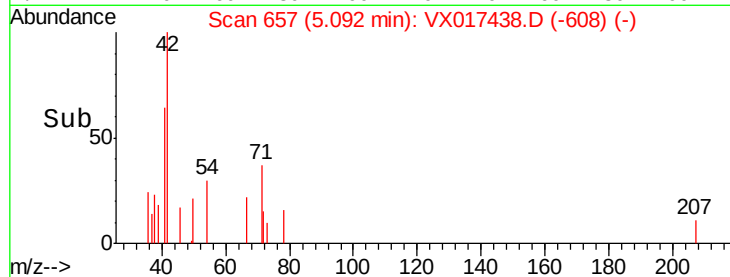
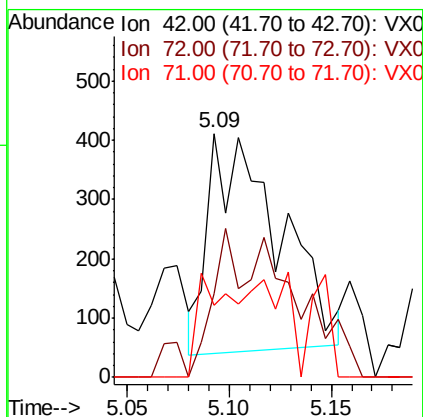
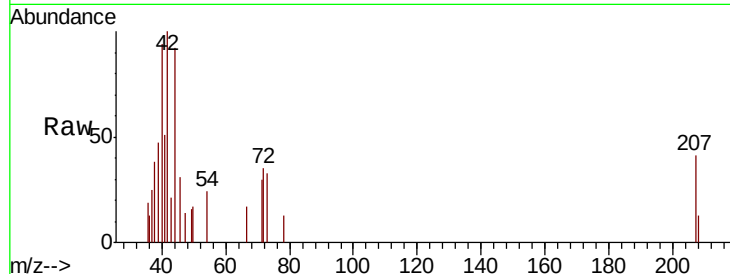




#29
Tetrahydrofuran
Concen: 0.722 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX017438.D
Acq: 20 Jul 2020 16:50

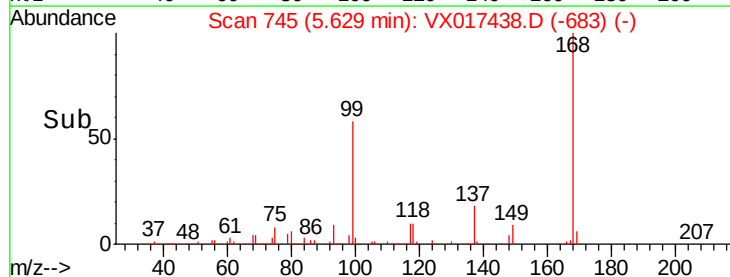
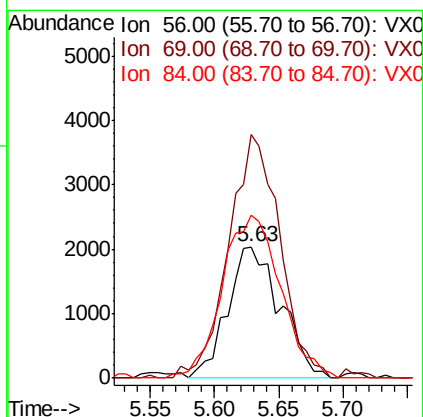
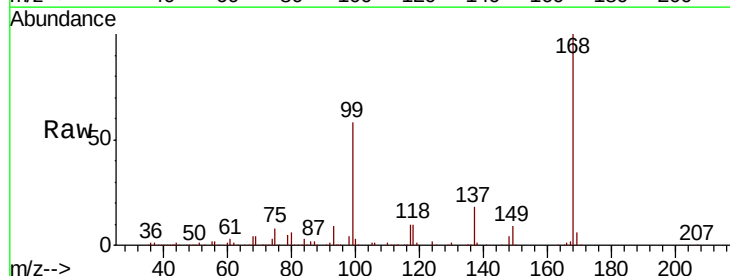
Instrument :
MSVOA_X
ClientSampled :
PB130293TB

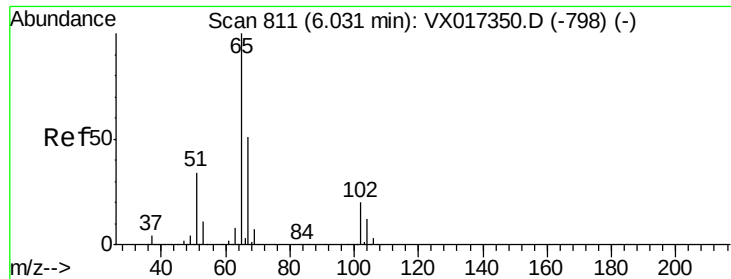
Tot Ion: 42 Resp: 885
Ion Ratio Lower Upper
42 100
72 31.8 37.2 55.8#
71 23.4 34.4 51.6#



#31
Cyclohexane
Concen: 1.513 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017438.D
Acq: 20 Jul 2020 16:50

Tgt Ion: 56 Resp: 5823
Ion Ratio Lower Upper
56 100
69 185.5 23.7 35.5#
84 124.4 71.8 107.6#

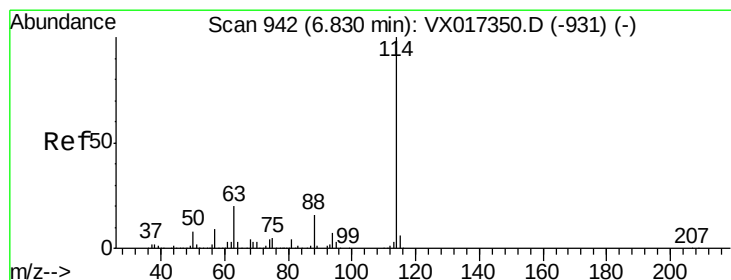
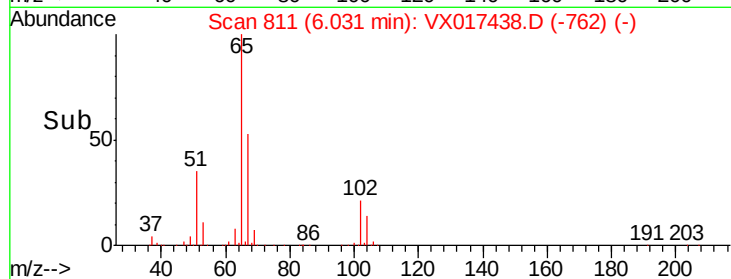
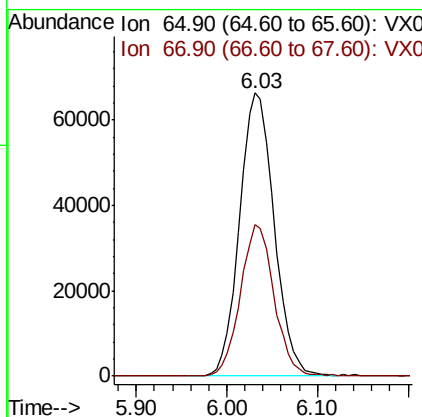
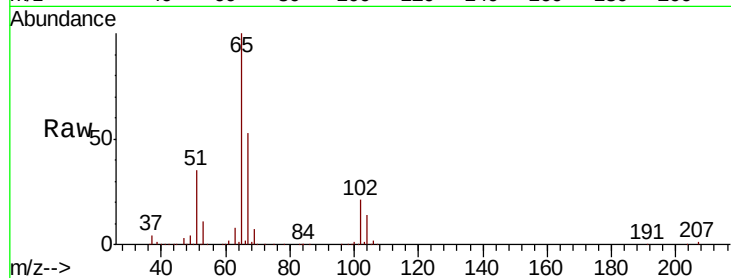




#33
 1,2-Dichloroethane-d4
 Concen: 52.551 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017438.D
 Acq: 20 Jul 2020 16:50

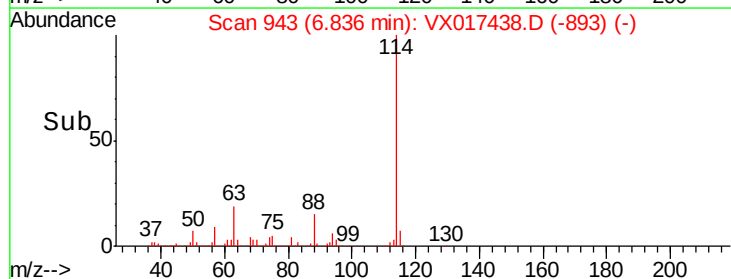
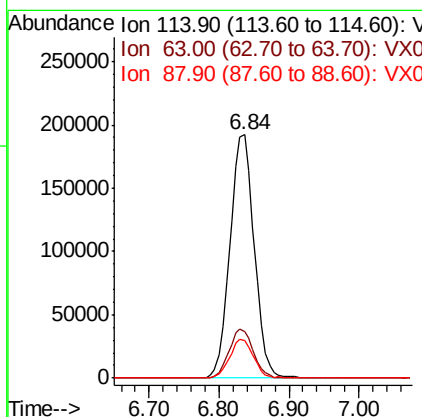
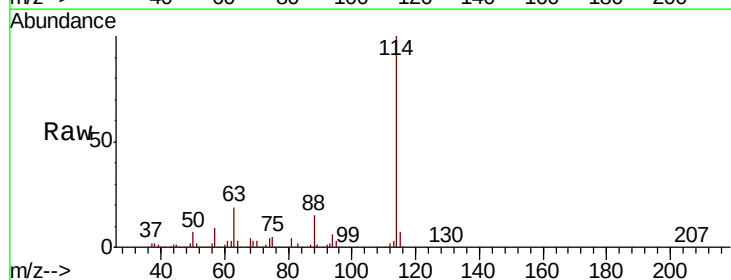
Instrument :
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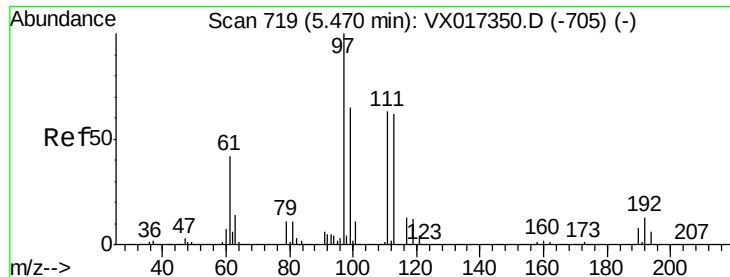
Tot Ion: 65 Resp: 175639
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017438.D
 Acq: 20 Jul 2020 16:50

Tgt Ion: 114 Resp: 462884
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 15.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.724 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017438.D

Acq: 20 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

PB130293TB

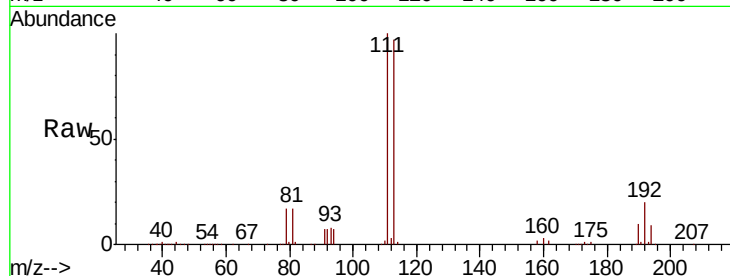
Tot Ion:113 Resp: 155042

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

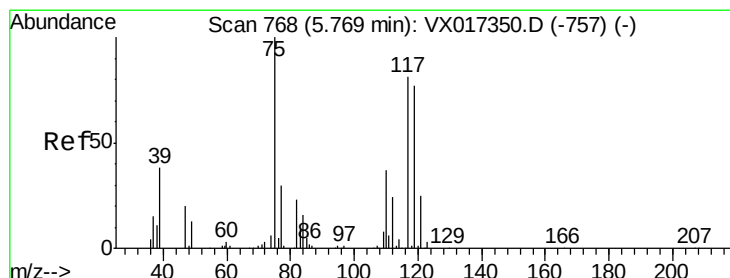
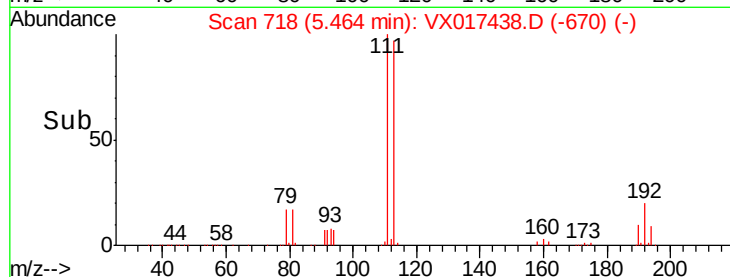
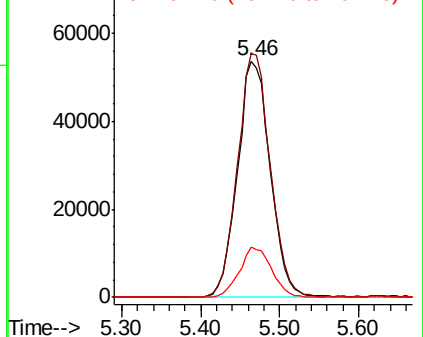
192 20.8 17.2 25.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.710 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017438.D

Acq: 20 Jul 2020 16:50

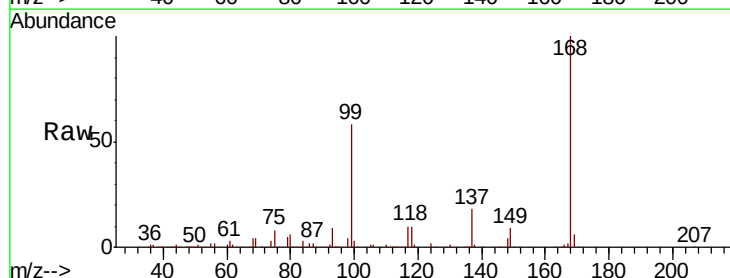
Tgt Ion: 75 Resp: 20055

Ion Ratio Lower Upper

75 100

110 10.6 18.6 55.8#

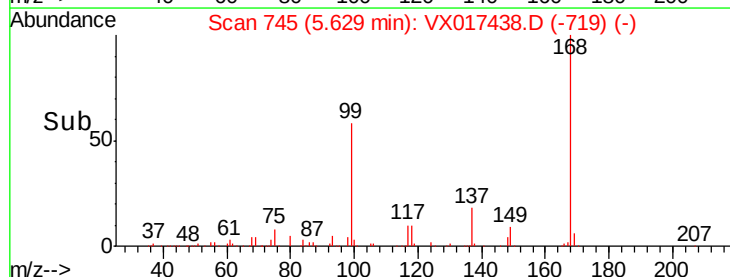
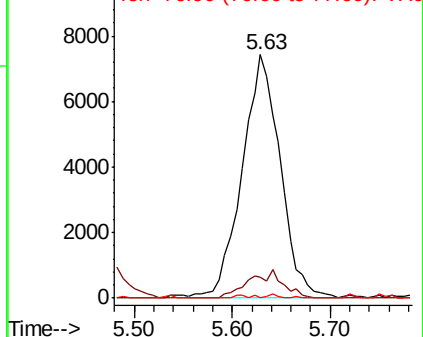
77 0.6 24.9 37.3#

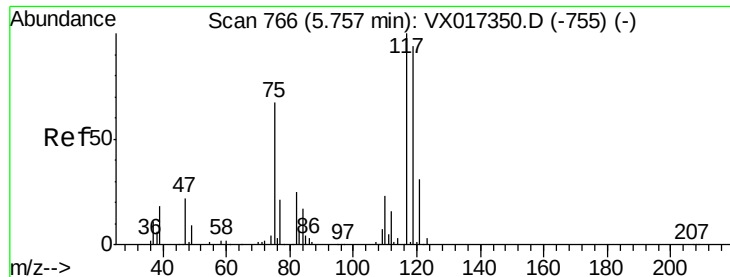


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.395 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017438.D

Acq: 20 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

PB130293TB

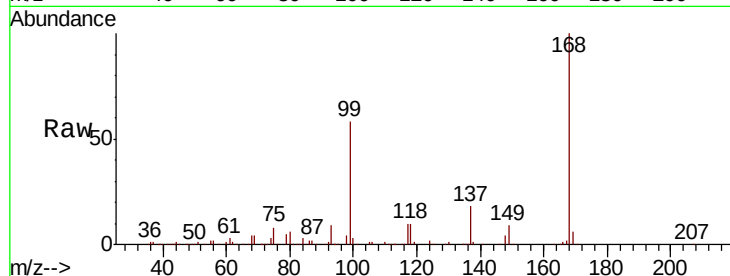
Tot Ion:117 Resp: 26896

Ion Ratio Lower Upper

117 100

119 6.1 74.7 112.1#

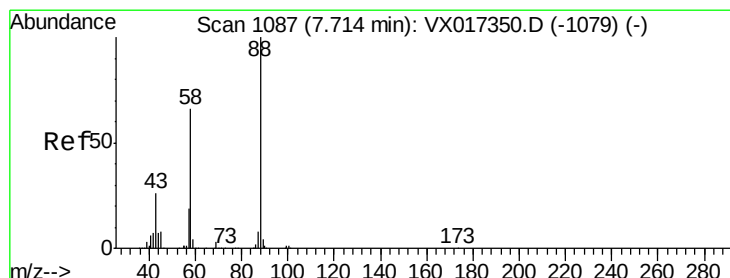
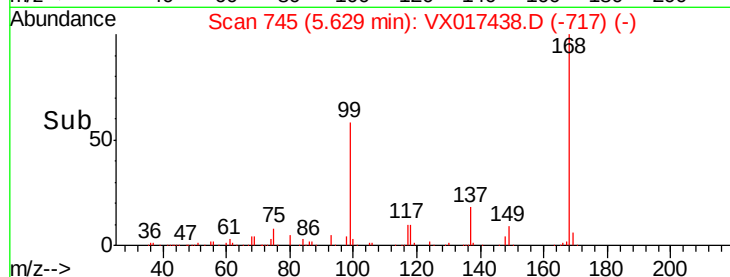
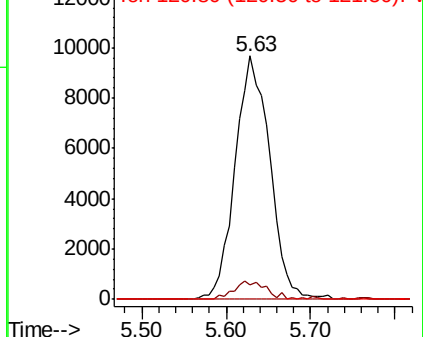
121 0.0 24.5 36.7#



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: 1.114 ug/l

RT: 7.82 min Scan# 1104

Delta R.T. 0.10 min

Lab File: VX017438.D

Acq: 20 Jul 2020 16:50

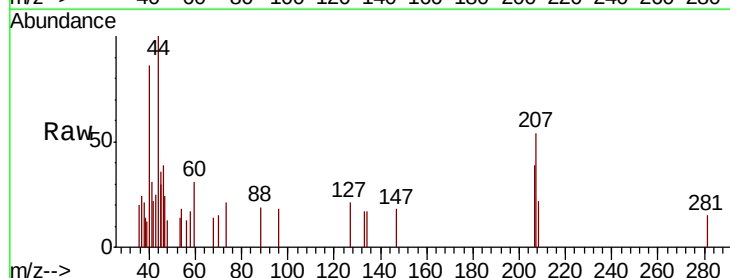
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

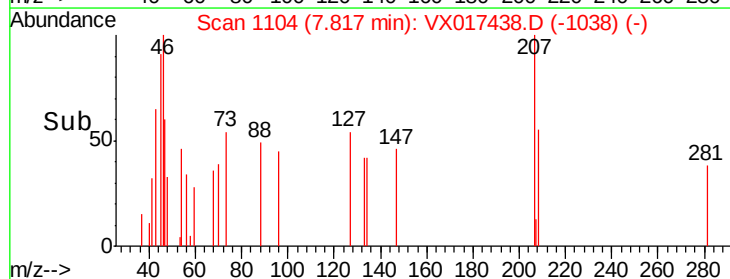
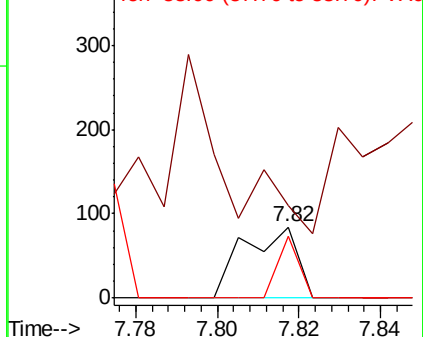
58 35.1 53.9 80.9#

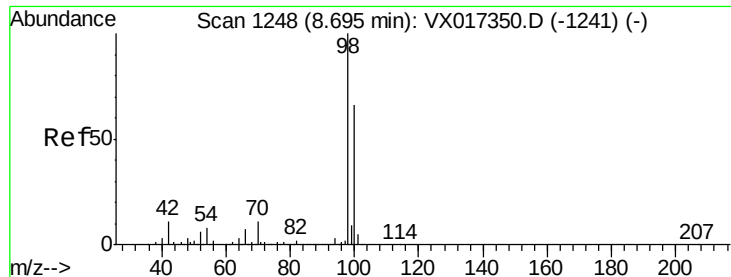


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

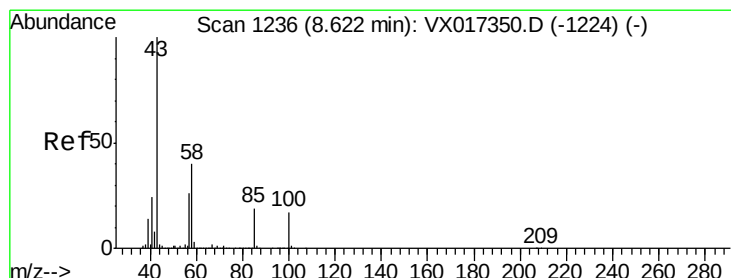
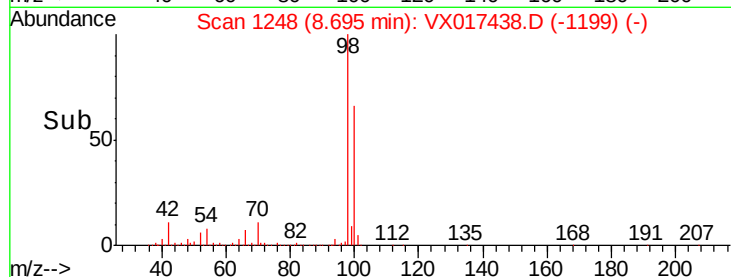
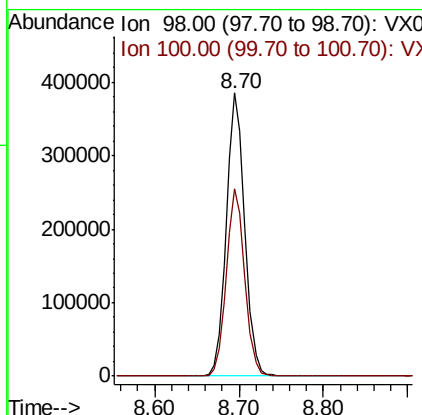
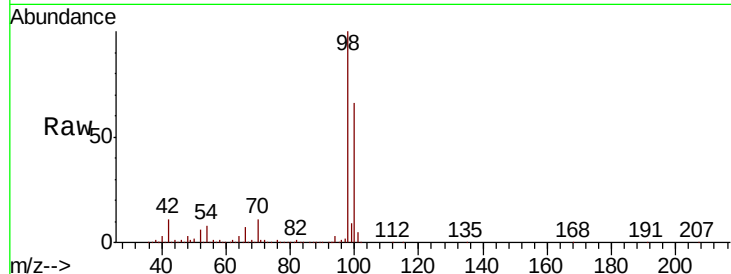




#50
Toluene-d8
Concen: 51.233 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017438.D
Acq: 20 Jul 2020 16:50

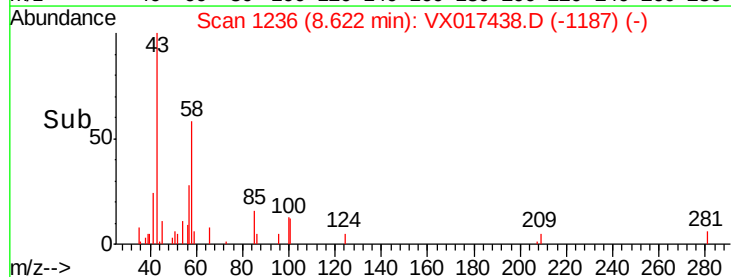
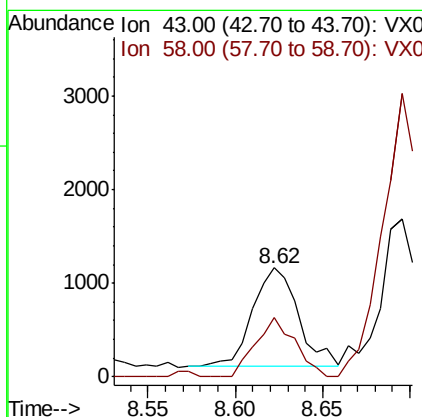
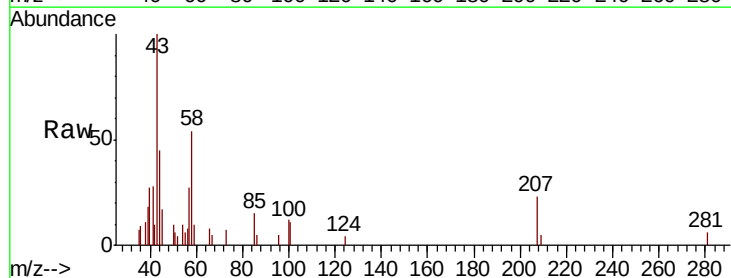
Instrument :
MSVOA_X
ClientSampleId :
PB130293TB

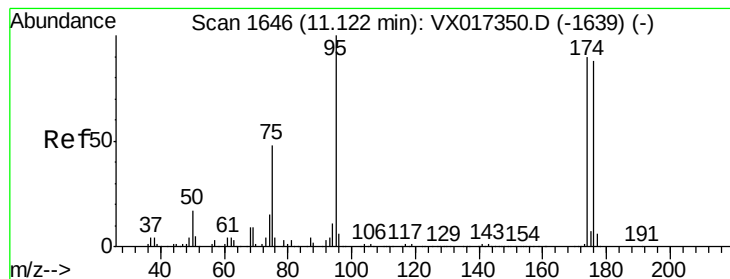
Tot Ion: 98 Resp: 576236
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.451 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017438.D
Acq: 20 Jul 2020 16:50

Tgt Ion: 43 Resp: 1936
Ion Ratio Lower Upper
43 100
58 51.2 32.2 48.2#





#62

4-Bromofluorobenzene

Concen: 55.186 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017438.D

Acq: 20 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampled :

PB130293TB

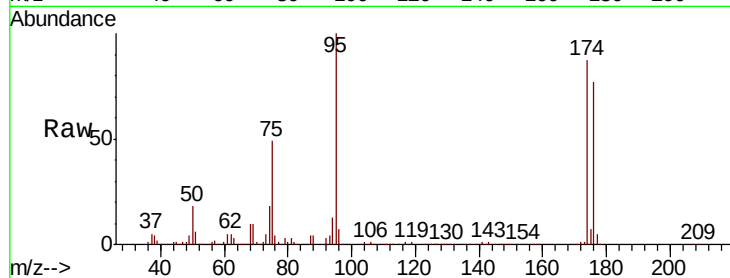
Tot Ion: 95 Resp: 246552

Ion Ratio Lower Upper

95 100

174 83.0 0.0 175.8

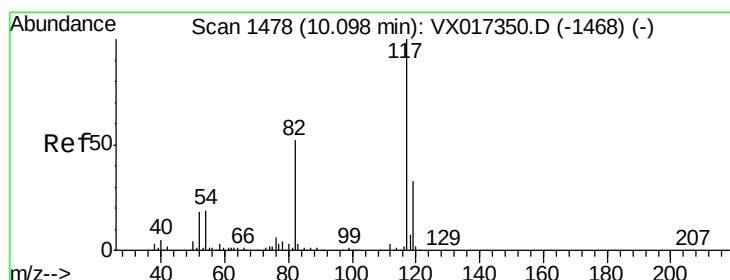
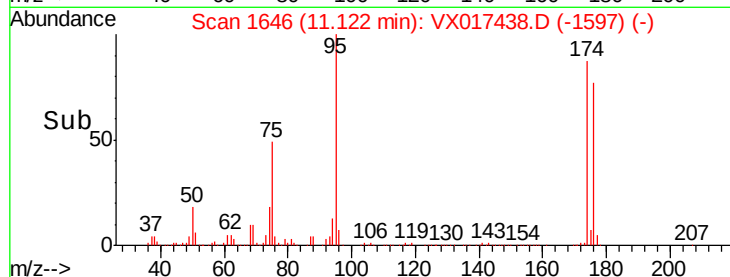
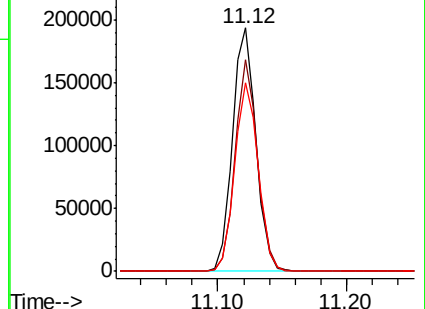
176 77.8 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX017350.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017350.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017350.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017438.D

Acq: 20 Jul 2020 16:50

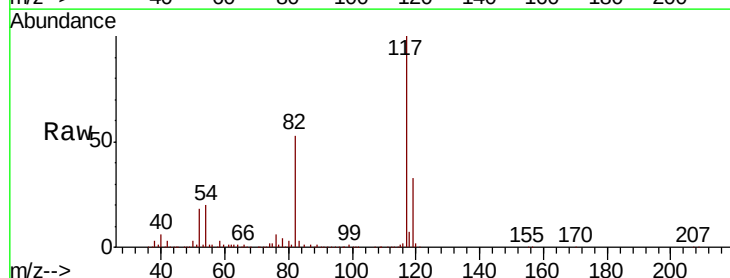
Tgt Ion: 117 Resp: 489285

Ion Ratio Lower Upper

117 100

82 53.3 42.0 63.0

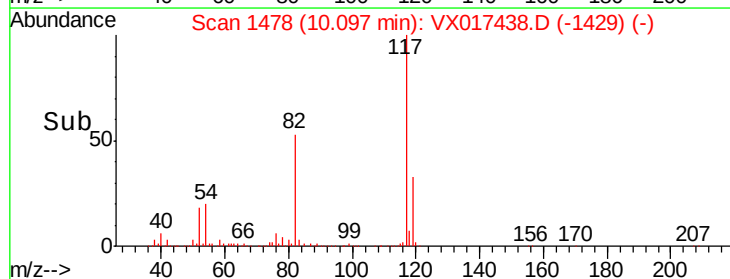
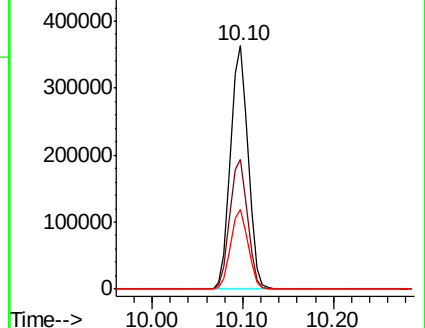
119 33.0 26.3 39.5

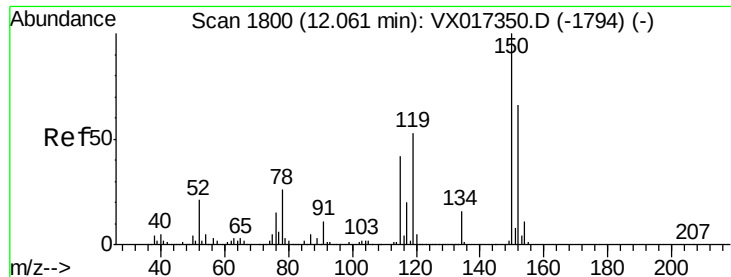


Abundance Ion 116.90 (116.60 to 117.60): VX017350.D (-1468) (-)

Ion 82.00 (81.70 to 82.70): VX017350.D (-1468) (-)

Ion 118.90 (118.60 to 119.60): VX017350.D (-1468) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017438.D

Acq: 20 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampled :

PB130293TB

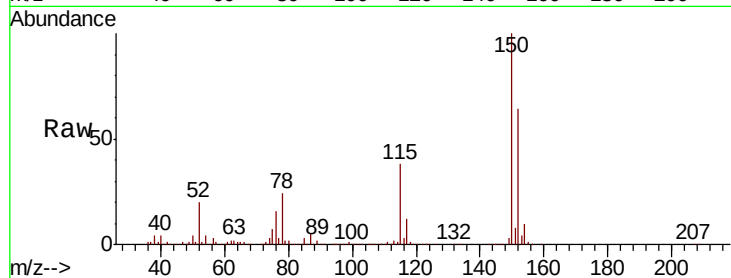
Tot Ion:152 Resp: 277328

Ion Ratio Lower Upper

152 100

115 57.8 39.9 119.7

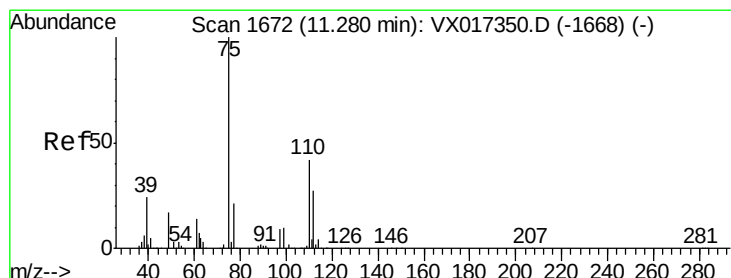
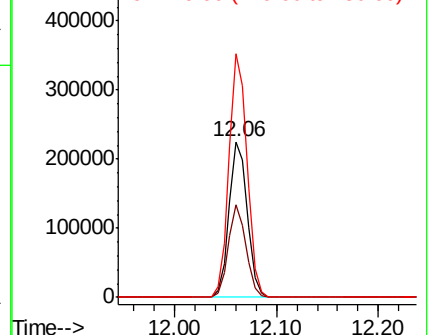
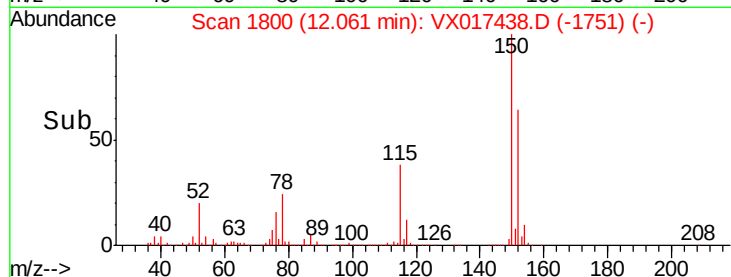
150 156.4 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.785 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017438.D

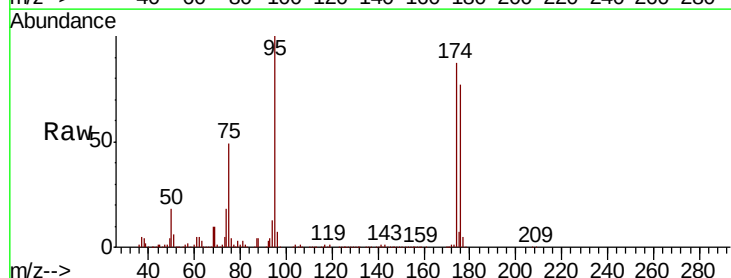
Acq: 20 Jul 2020 16:50

Tgt Ion: 75 Resp: 121888

Ion Ratio Lower Upper

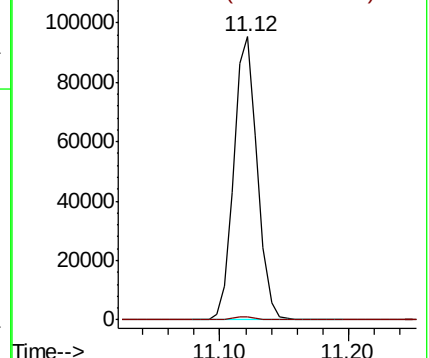
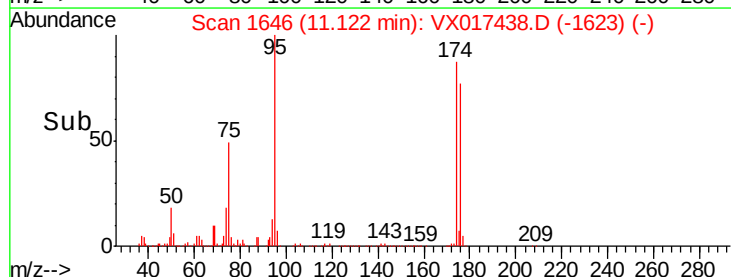
75 100

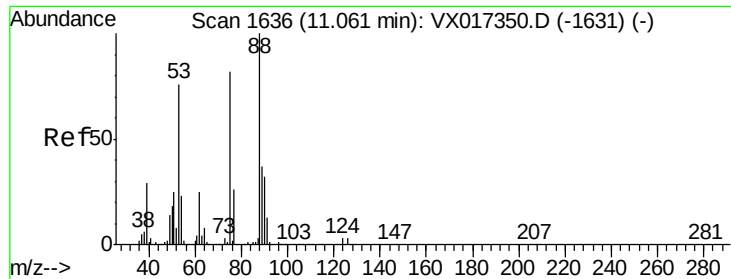
77 1.3 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.337 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017438.D
 Acq: 20 Jul 2020 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130293TB

Tot Ion: 75 Resp: 121888
 Ion Ratio Lower Upper
 75 100
 53 0.4 76.5 114.7#
 89 0.0 38.1 57.1#

