

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092420\
 Data File : VX018564.D
 Acq On : 24 Sep 2020 12:10
 Operator : JC/SP
 Sample : L4118-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB02-20200918

Quant Time: Sep 25 01:04:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	476968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	752567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	741639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	370387	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	339429	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
35) Dibromofluoromethane	5.46	113	263925	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	8.70	98	932140	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.12	95	349472	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	

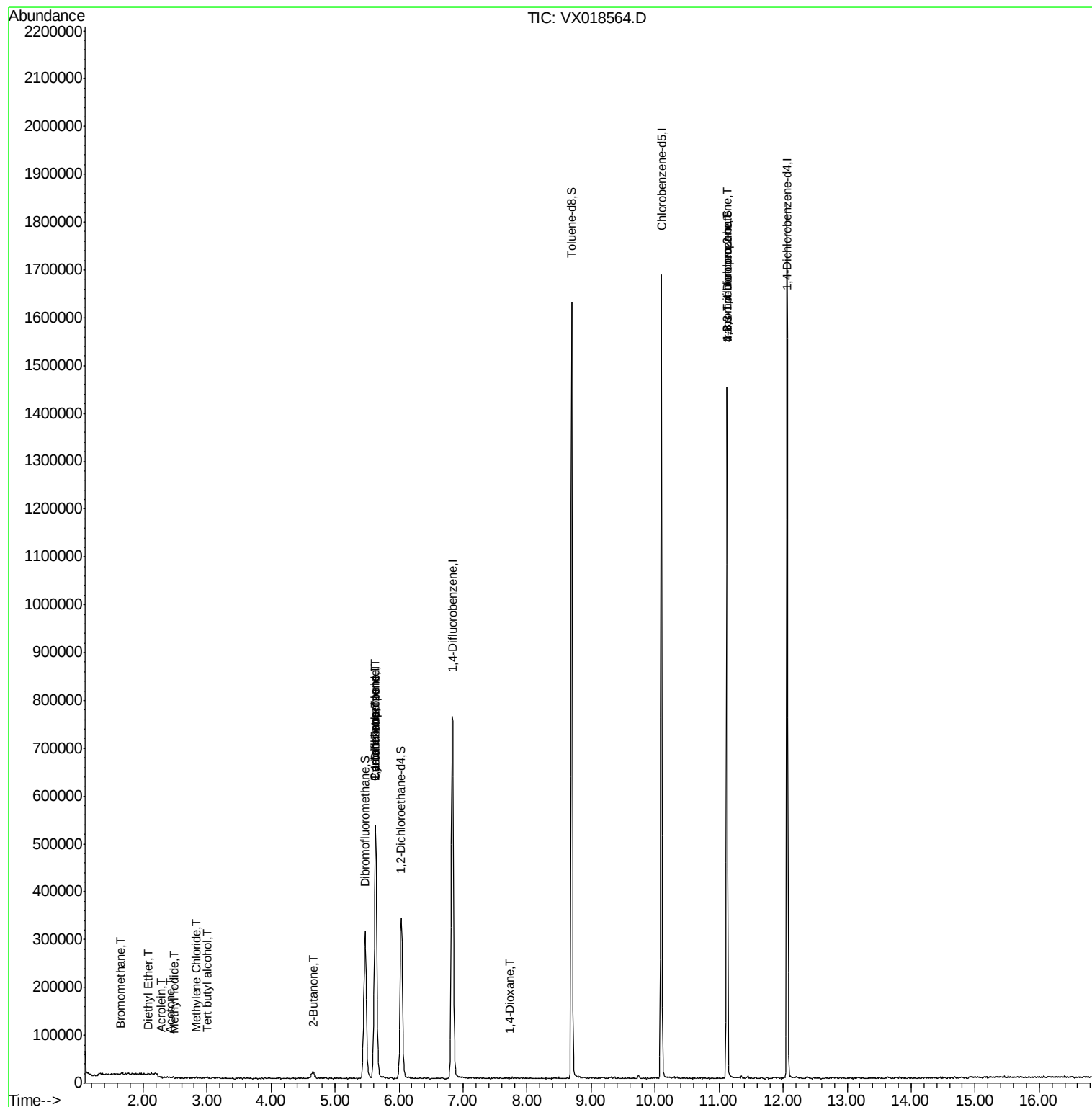
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1075	0.313	ug/l #	72
8) Diethyl Ether	2.09	74	645	0.216	ug/l	99
10) Methyl Iodide	2.50	142	735	5.031	ug/l #	77
11) Tert butyl alcohol	3.00	59	1971	1.679	ug/l	98
13) Acrolein	2.28	56	241	0.324	ug/l #	13
16) Acetone	2.43	43	1485	0.575	ug/l #	77
20) Methylene Chloride	2.83	84	1334	0.234	ug/l #	72
25) 2-Butanone	4.65	43	1804	0.449	ug/l #	73
31) Cyclohexane	5.62	56	10822	1.325	ug/l #	18
36) 1,1-Dichloropropene	5.63	75	37198	5.093	ug/l #	42
38) Carbon Tetrachloride	5.63	117	50487	6.241	ug/l #	19
49) 1,4-Dioxane	7.73	88	137	1.316	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	179854	23.107	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	179854	59.212	ug/l #	12

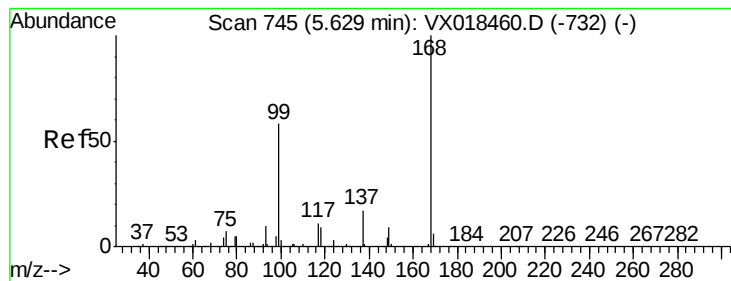
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX018564.D

Acq: 24 Sep 2020 12:10

Instrument :

MSVOA_X

ClientSampleId :

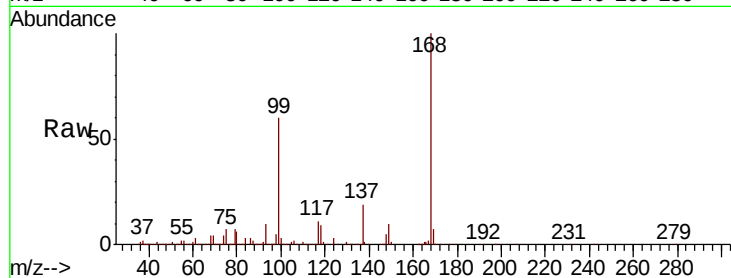
TB02-20200918

Tot Ion:168 Resp: 476968

Ion Ratio Lower Upper

168 100

99 60.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

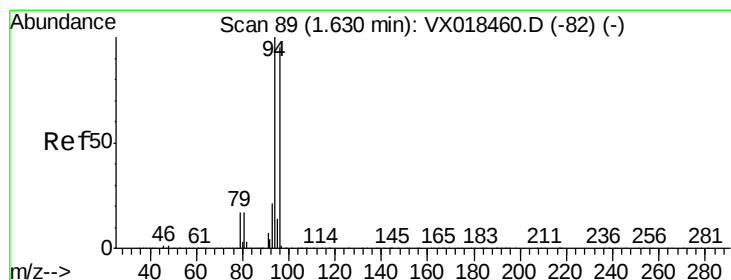
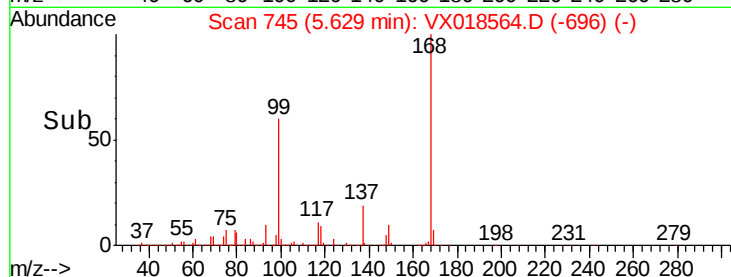
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.313 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018564.D

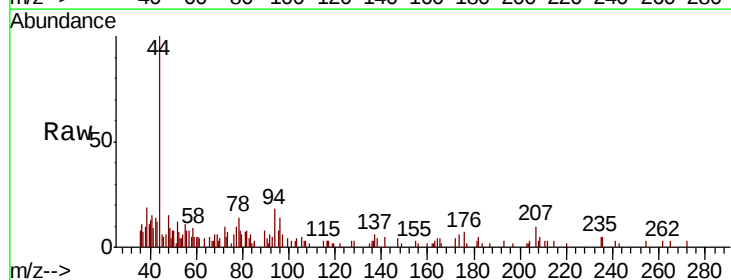
Acq: 24 Sep 2020 12:10

Tgt Ion: 94 Resp: 1075

Ion Ratio Lower Upper

94 100

96 121.4 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

300

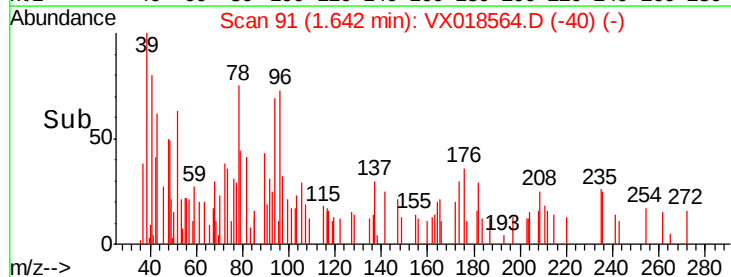
200

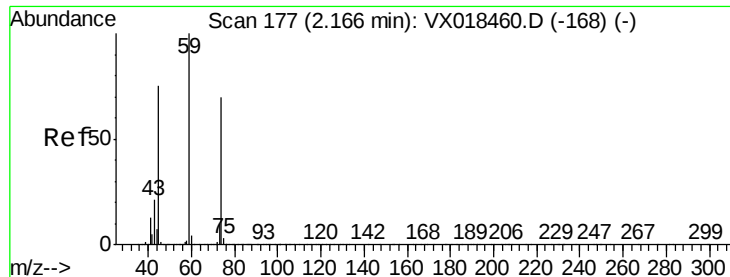
100

0

1.60 1.65 1.70

Time-->





#8

Diethyl Ether

Concen: 0.216 ug/l

RT: 2.09 min Scan# 165

Delta R.T. -0.07 min

Lab File: VX018564.D

Acq: 24 Sep 2020 12:10

Instrument :

MSVOA_X

ClientSampled :

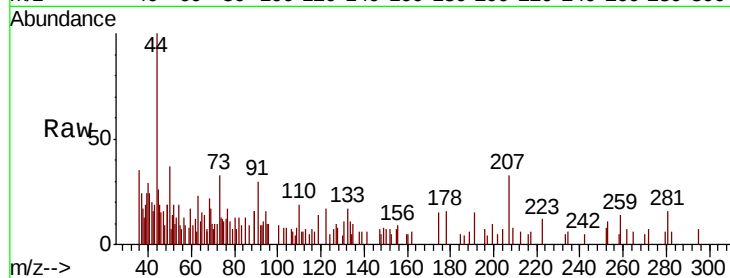
TB02-20200918

Tot Ion: 74 Resp: 645

Ion Ratio Lower Upper

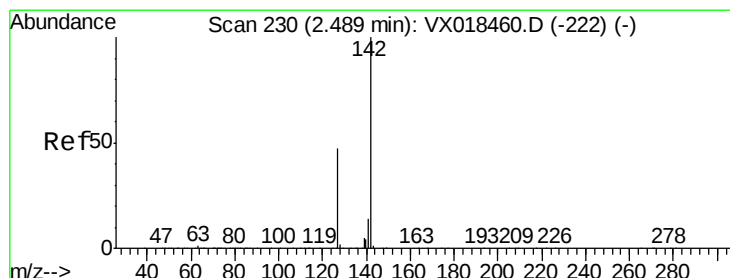
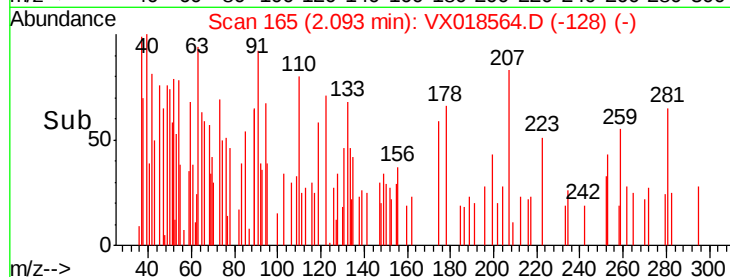
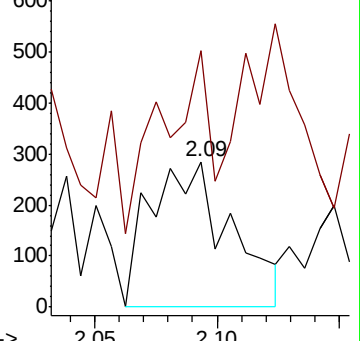
74 100

45 102.2 50.7 152.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 5.031 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018564.D

Acq: 24 Sep 2020 12:10

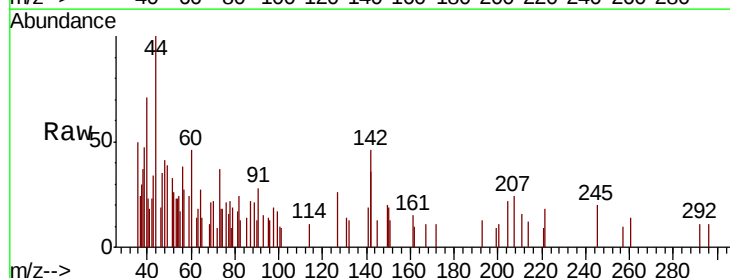
Tgt Ion: 142 Resp: 735

Ion Ratio Lower Upper

142 100

127 60.1 36.0 54.0#

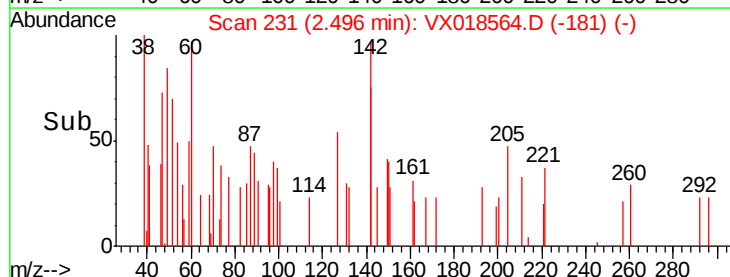
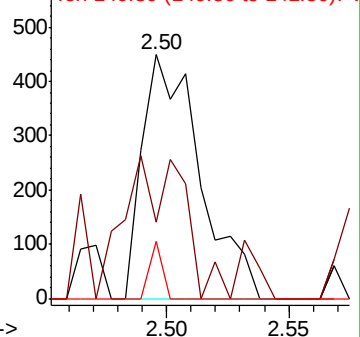
141 5.2 11.9 17.9#

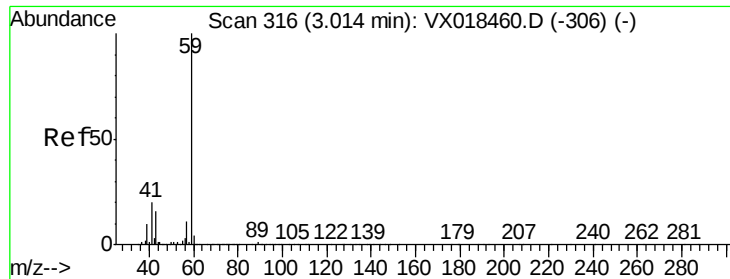


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



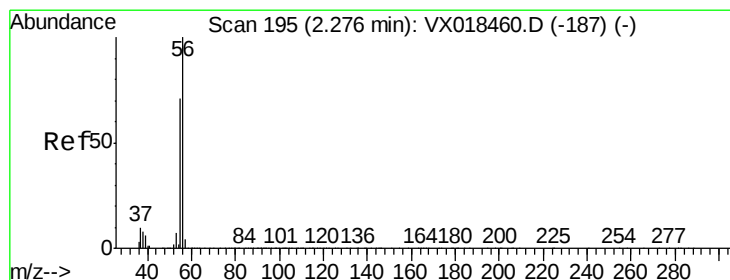
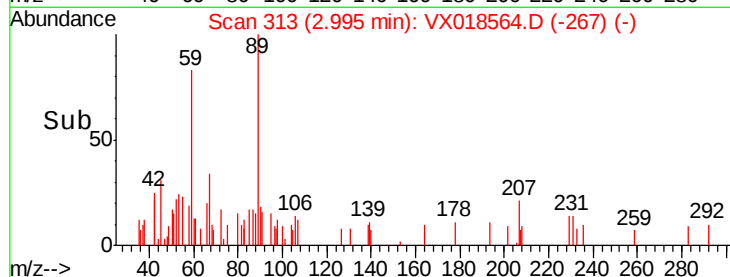
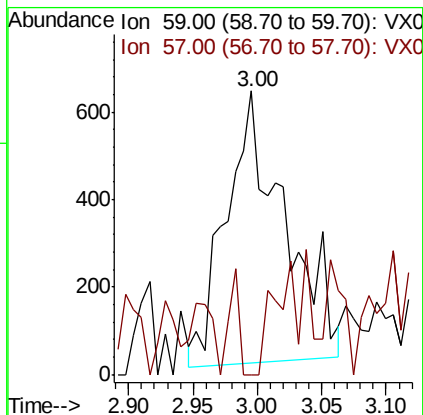
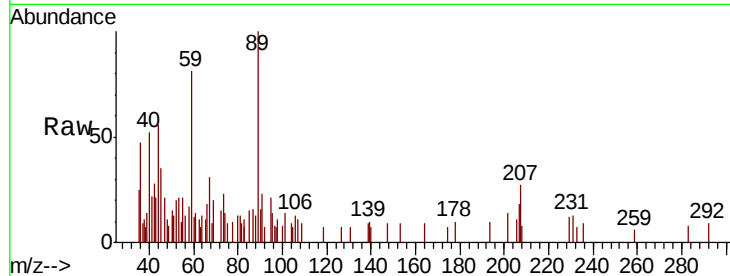


#11

Tert butyl alcohol
Concen: 1.679 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018564.D
Acq: 24 Sep 2020 12:10

Instrument :
MSVOA_X
ClientSampleId :
TB02-20200918

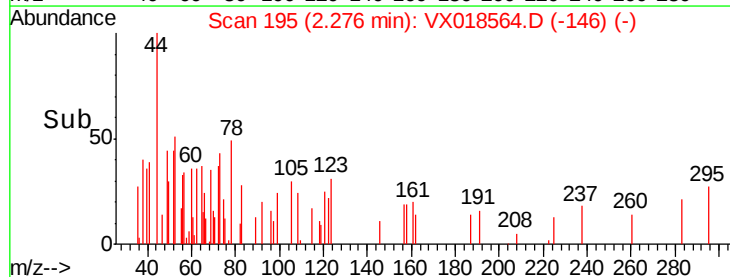
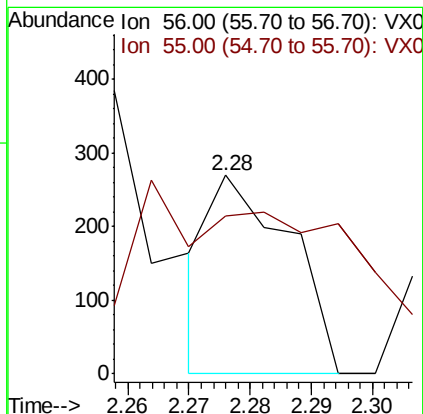
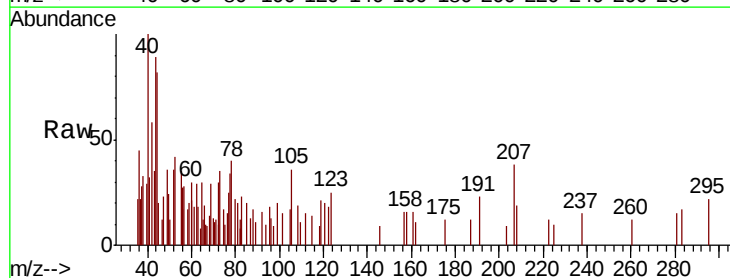
Tot Ion: 59 Resp: 1971
Ion Ratio Lower Upper
59 100
57 9.4 8.2 12.4

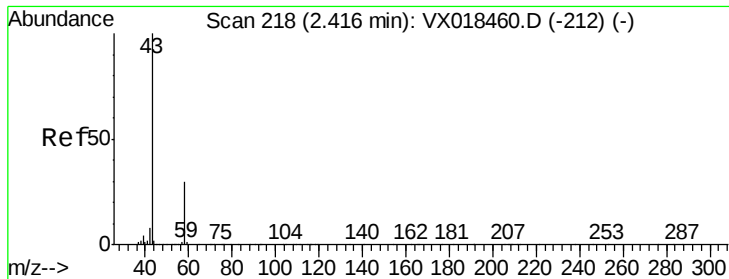


#13

Acrolein
Concen: 0.324 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX018564.D
Acq: 24 Sep 2020 12:10

Tgt Ion: 56 Resp: 241
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#

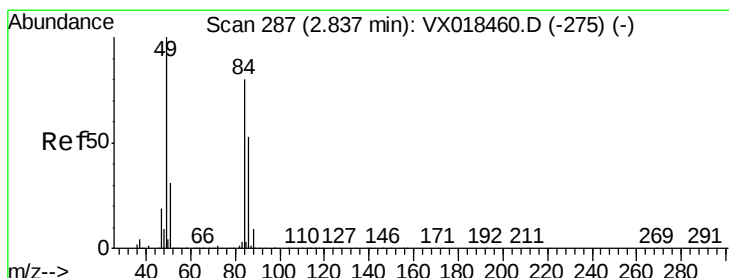
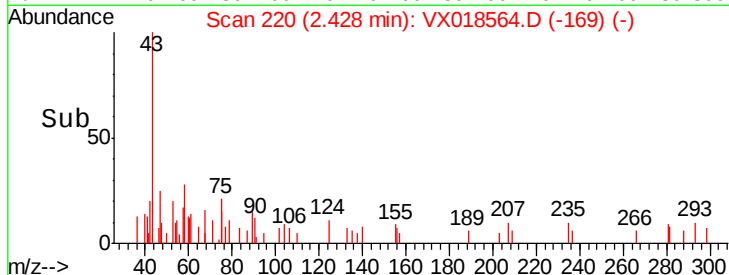
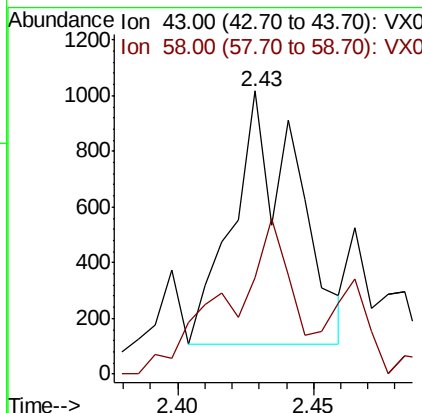




#16
Acetone
Concen: 0.575 ug/l
RT: 2.43 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX018564.D
Acq: 24 Sep 2020 12:10

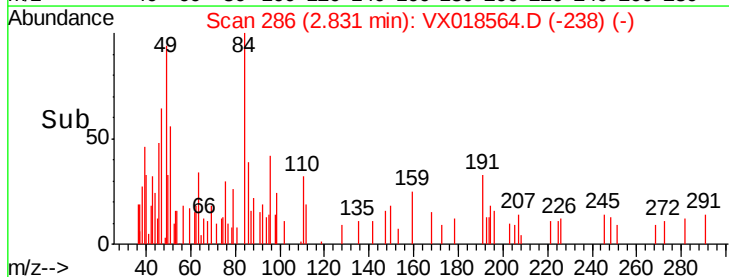
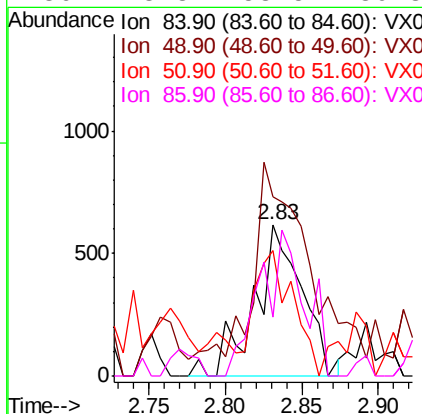
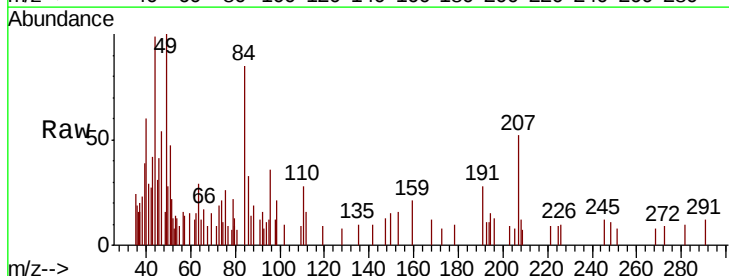
Instrument :
MSVOA_X
ClientSampleId :
TB02-20200918

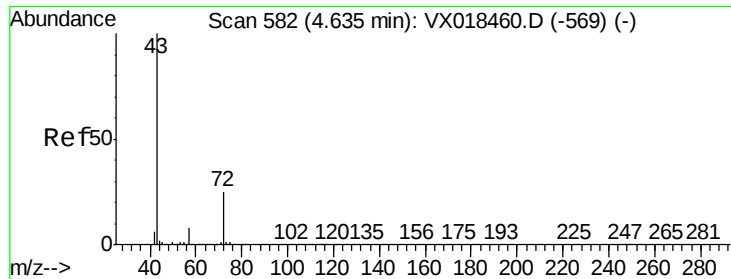
Tot Ion: 43 Resp: 1485
Ion Ratio Lower Upper
43 100
58 17.7 24.0 36.0#



#20
Methylene Chloride
Concen: 0.234 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018564.D
Acq: 24 Sep 2020 12:10

Tgt Ion: 84 Resp: 1334
Ion Ratio Lower Upper
84 100
49 107.3 100.6 151.0
51 59.8 30.9 46.3#
86 28.8 53.5 80.3#

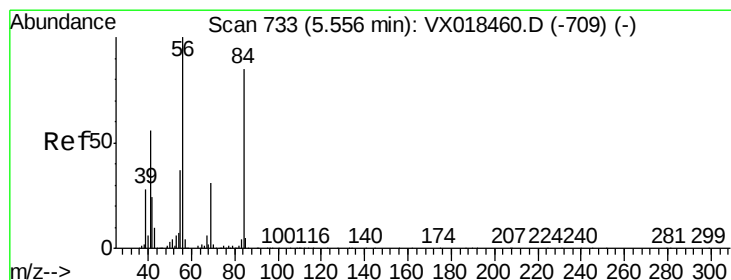
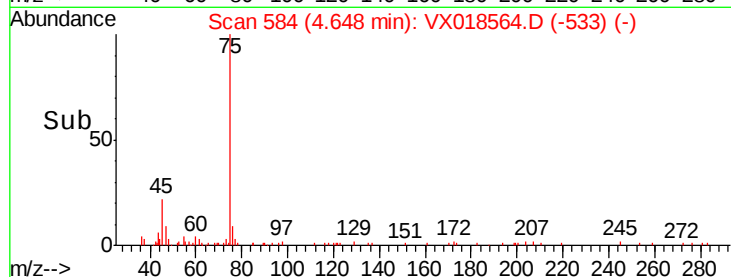
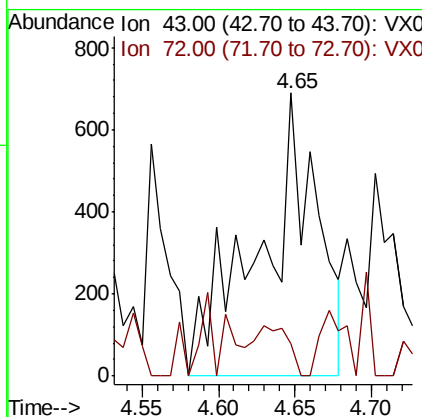
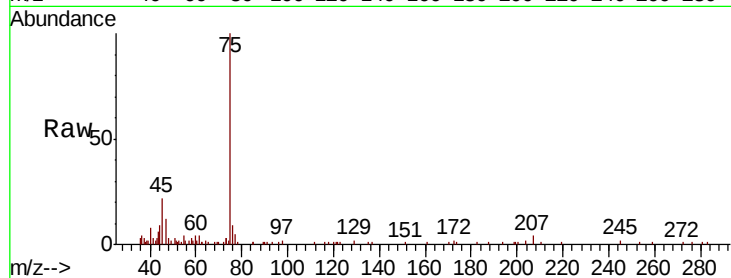




#25
2-Butanone
Concen: 0.449 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018564.D
Acq: 24 Sep 2020 12:10

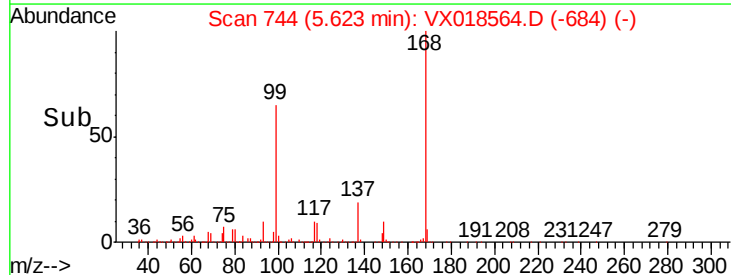
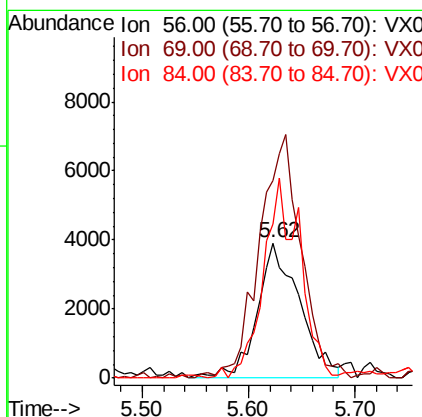
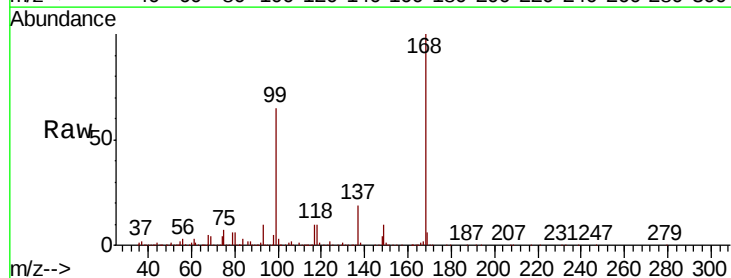
Instrument :
MSVOA_X
ClientSampleId :
TB02-20200918

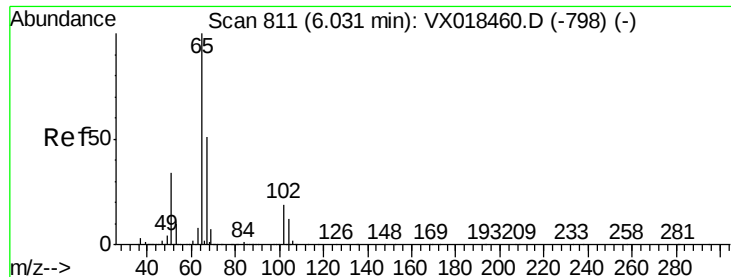
Tot Ion: 43 Resp: 1804
Ion Ratio Lower Upper
43 100
72 11.6 20.2 30.4#



#31
Cyclohexane
Concen: 1.325 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX018564.D
Acq: 24 Sep 2020 12:10

Tgt Ion: 56 Resp: 10822
Ion Ratio Lower Upper
56 100
69 150.0 24.8 37.2#
84 114.4 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 50.305 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018564.D

Acq: 24 Sep 2020 12:10

Instrument :

MSVOA_X

ClientSampleId :

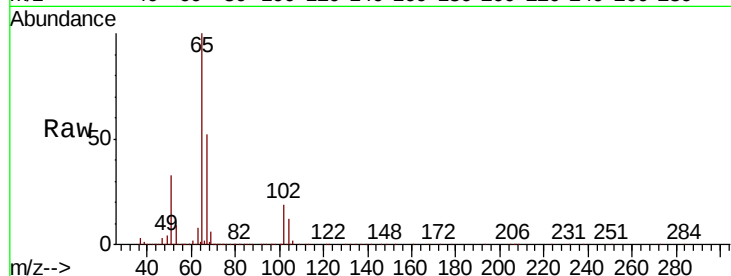
TB02-20200918

Tot Ion: 65 Resp: 339429

Ion Ratio Lower Upper

65 100

67 50.9 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

150000

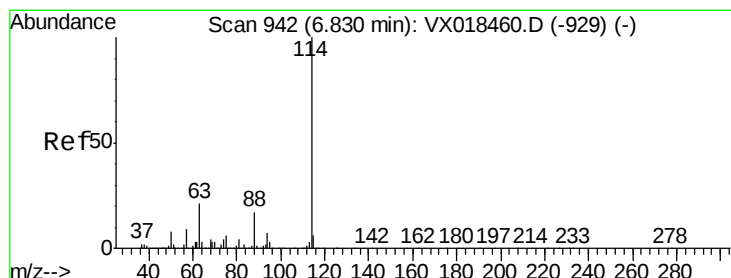
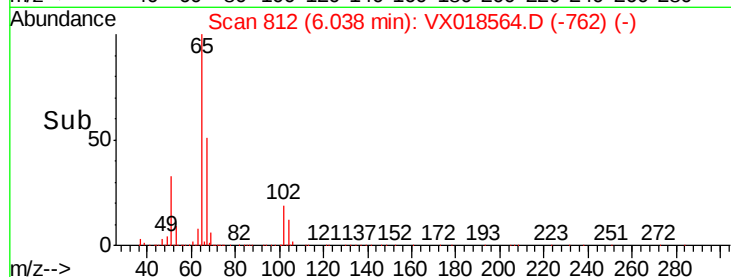
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018564.D

Acq: 24 Sep 2020 12:10

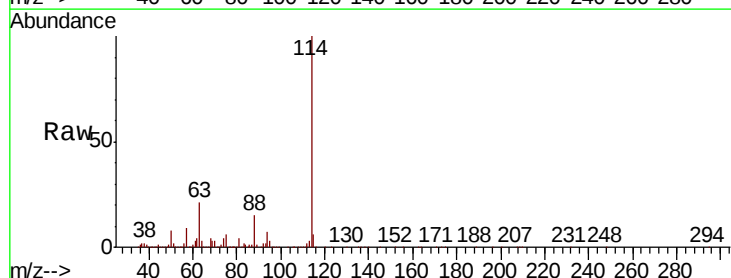
Tgt Ion: 114 Resp: 752567

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

88 15.2 0.0 33.6



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

400000

300000

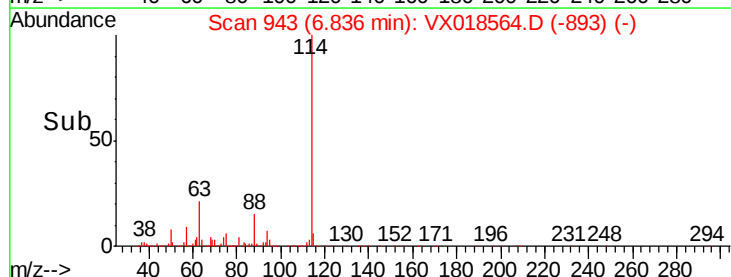
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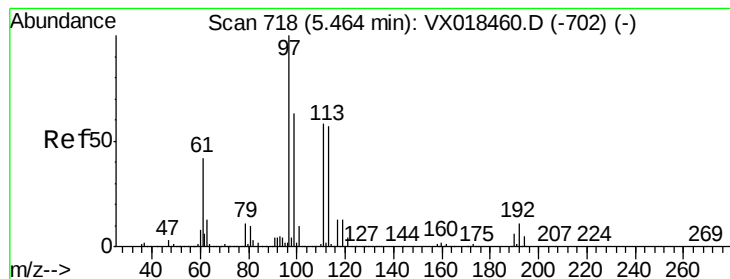
100000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 50.729 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX018564.D

Acq: 24 Sep 2020 12:10

Instrument :

MSVOA_X

ClientSampleId :

TB02-20200918

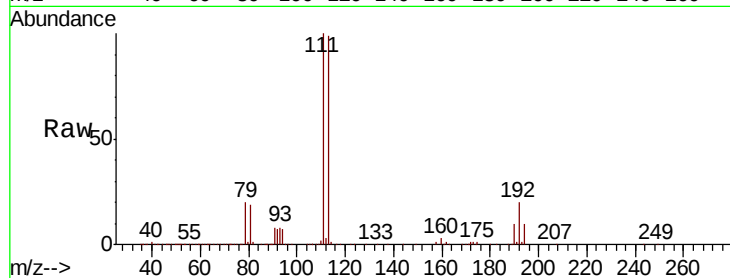
Tot Ion:113 Resp: 263925

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.2

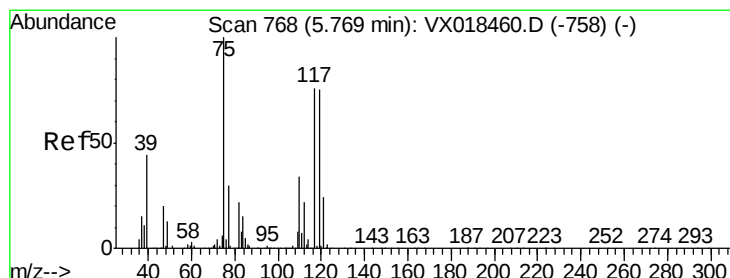
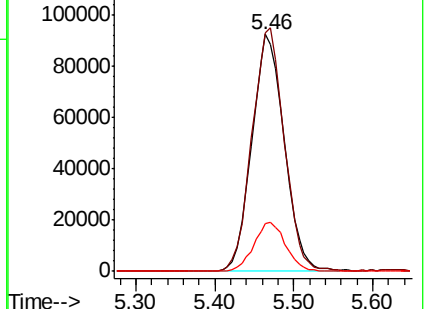
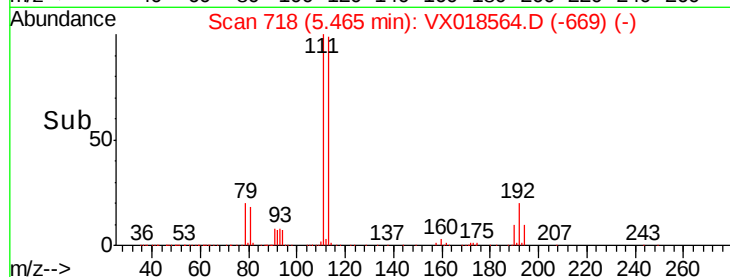
192 20.2 16.6 24.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.093 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018564.D

Acq: 24 Sep 2020 12:10

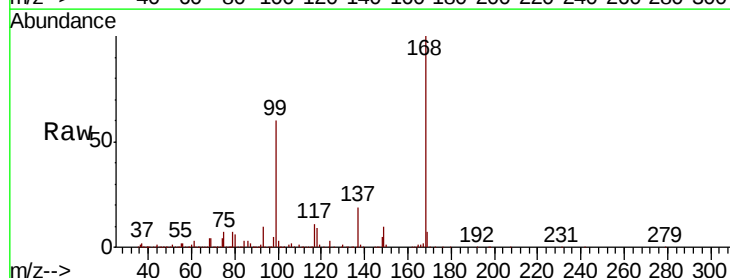
Tgt Ion: 75 Resp: 37198

Ion Ratio Lower Upper

75 100

110 0.0 17.6 52.8#

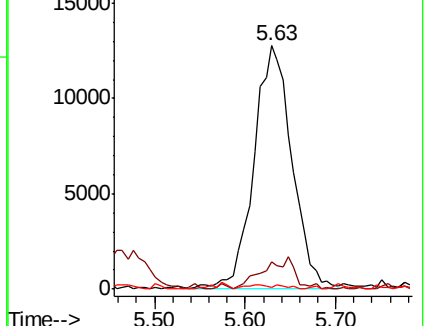
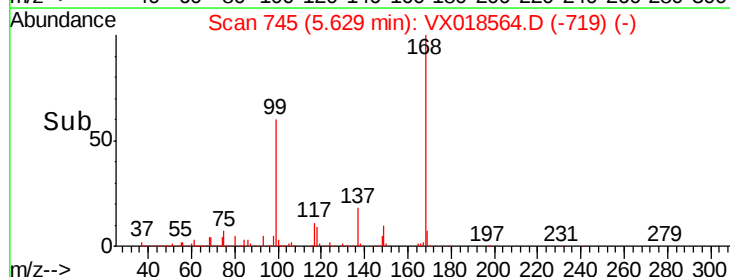
77 1.0 25.0 37.6#

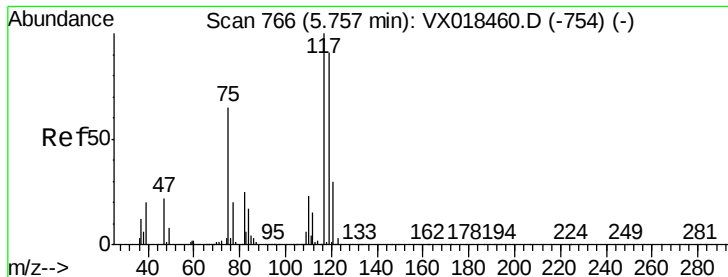


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.241 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX018564.D

Acq: 24 Sep 2020 12:10

Instrument :

MSVOA_X

ClientSampled :

TB02-20200918

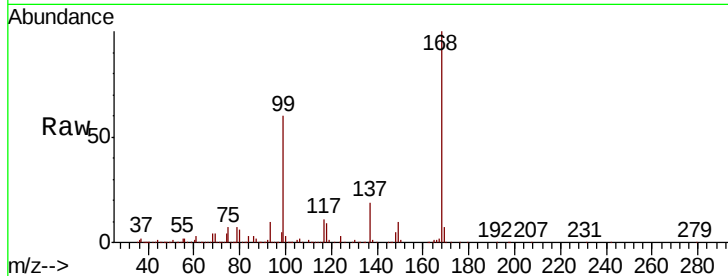
Tot Ion:117 Resp: 50487

Ion Ratio Lower Upper

117 100

119 5.8 72.3 108.5#

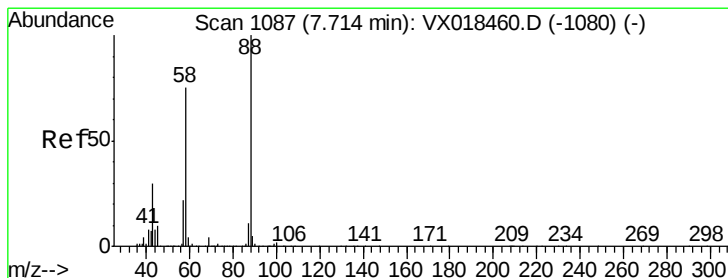
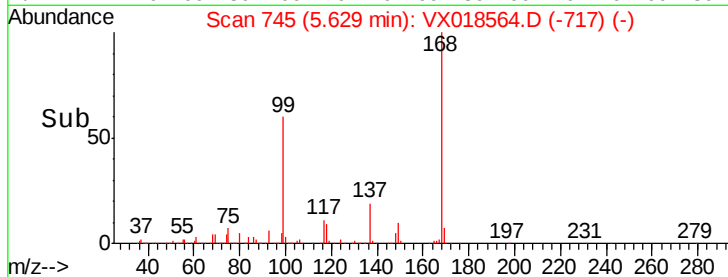
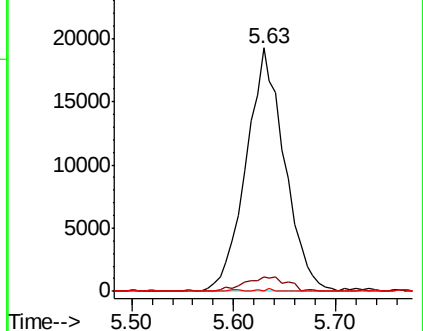
121 0.3 23.8 35.8#



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: 1.316 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX018564.D

Acq: 24 Sep 2020 12:10

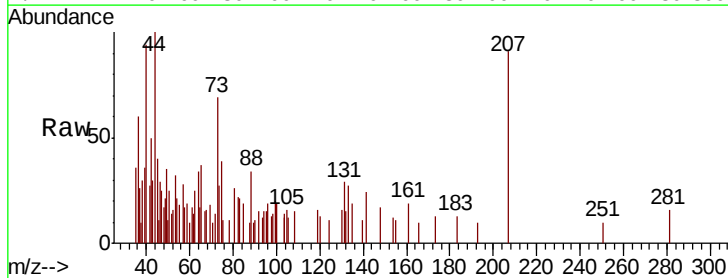
Tgt Ion: 88 Resp: 137

Ion Ratio Lower Upper

88 100

43 0.0 29.9 44.9#

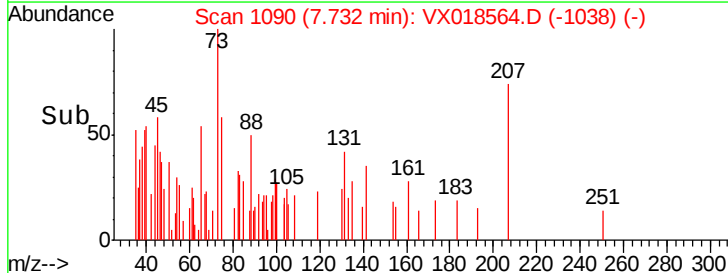
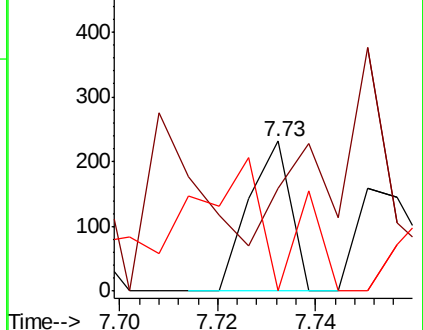
58 229.9 59.0 88.6#

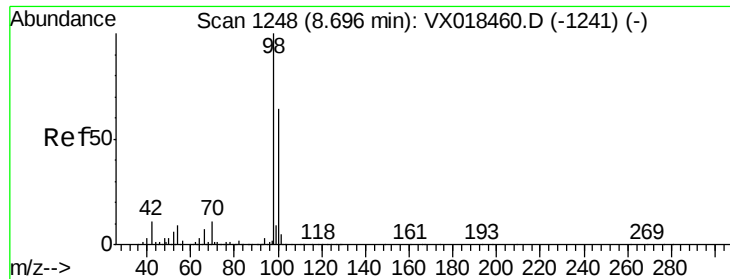


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.312 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018564.D

Acq: 24 Sep 2020 12:10

Instrument :

MSVOA_X

ClientSampleId :

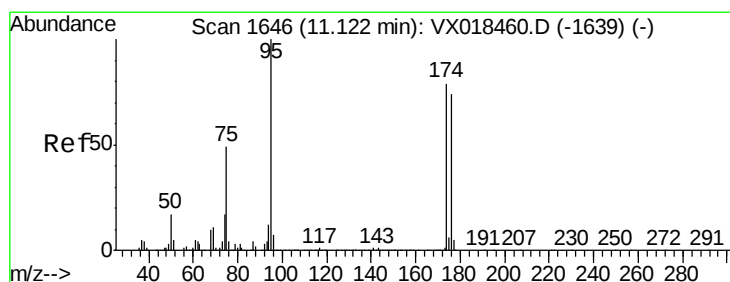
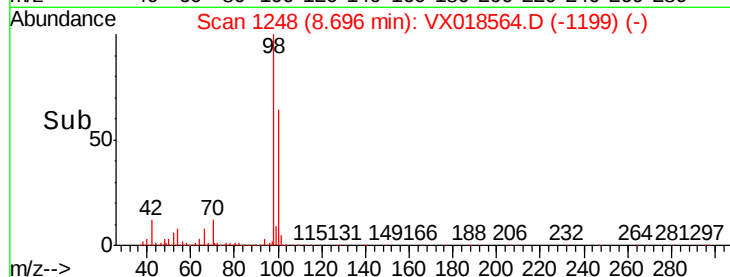
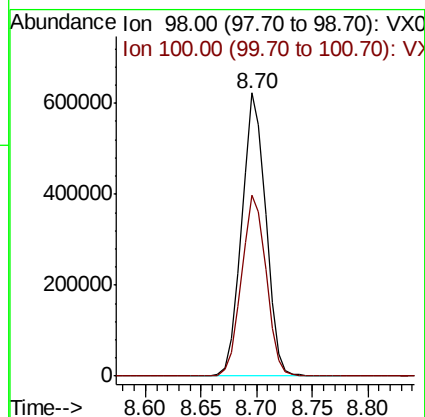
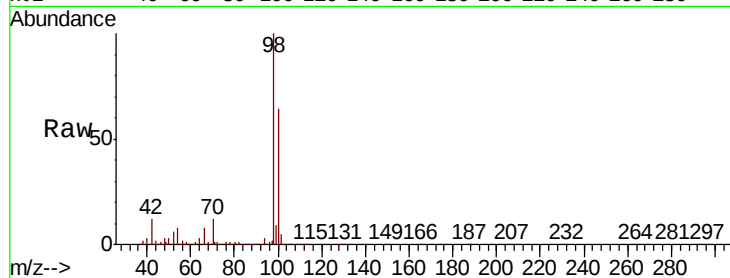
TB02-20200918

Tot Ion: 98 Resp: 932140

Ion Ratio Lower Upper

98 100

100 65.3 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 46.478 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018564.D

Acq: 24 Sep 2020 12:10

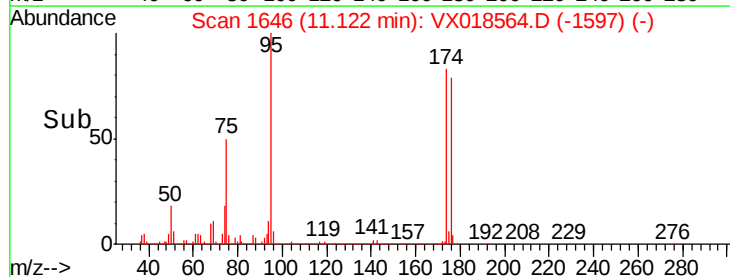
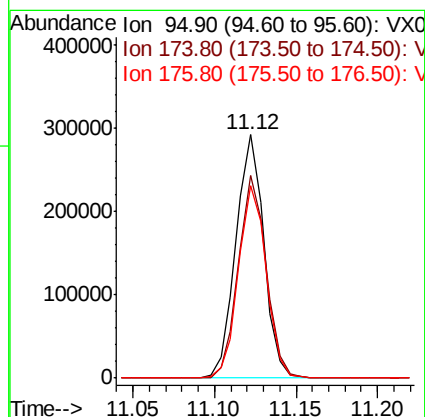
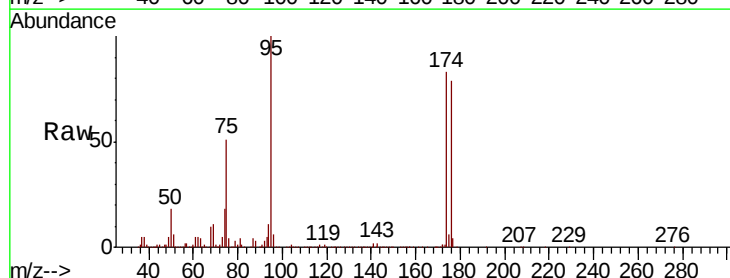
Tgt Ion: 95 Resp: 349472

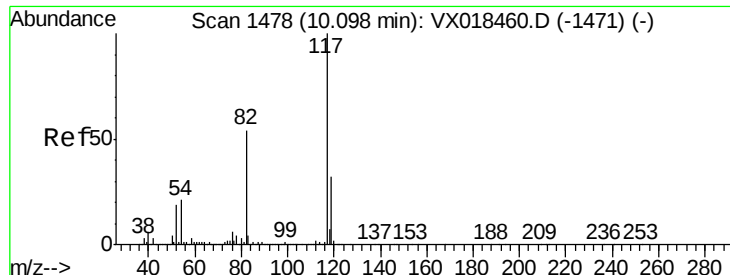
Ion Ratio Lower Upper

95 100

174 83.2 0.0 161.4

176 79.1 0.0 151.4

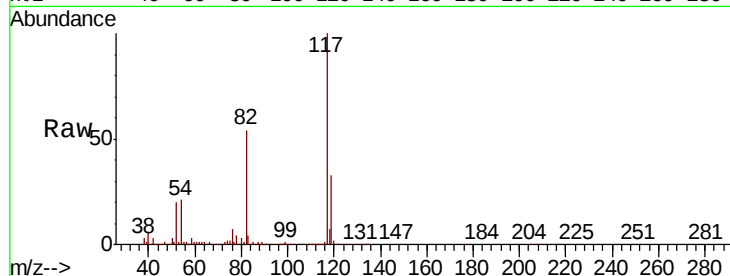




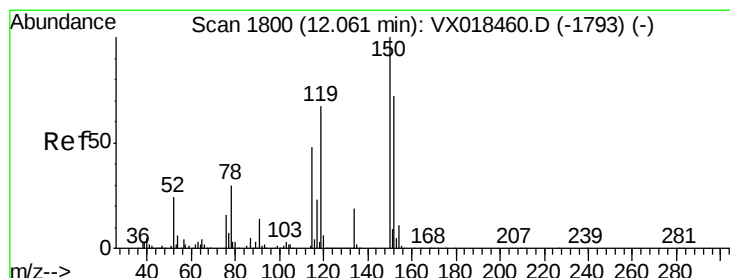
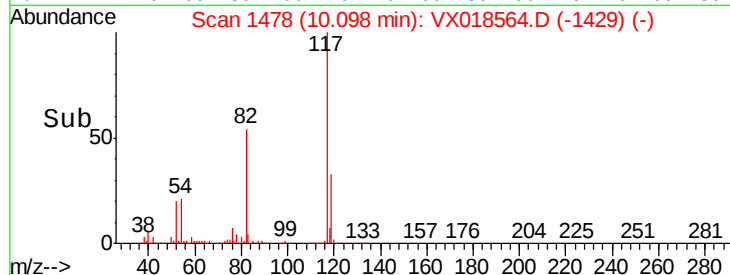
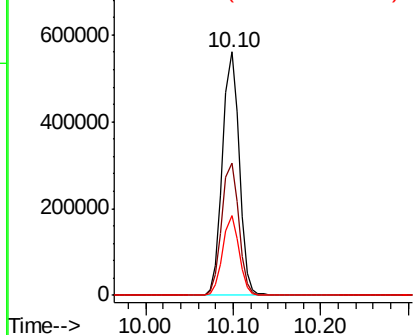
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018564.D
Acq: 24 Sep 2020 12:10

Instrument :
MSVOA_X
ClientSampleId :
TB02-20200918

Tot Ion:117 Resp: 741639
Ion Ratio Lower Upper
117 100
82 54.2 43.3 64.9
119 33.0 25.9 38.9

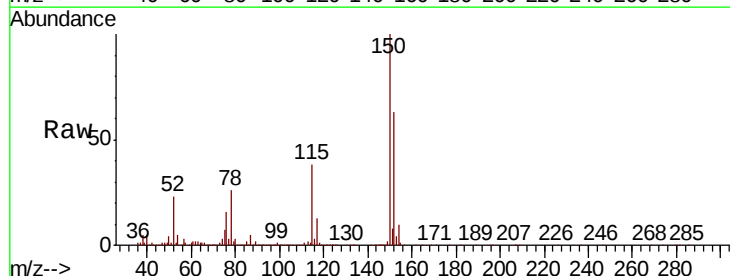


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

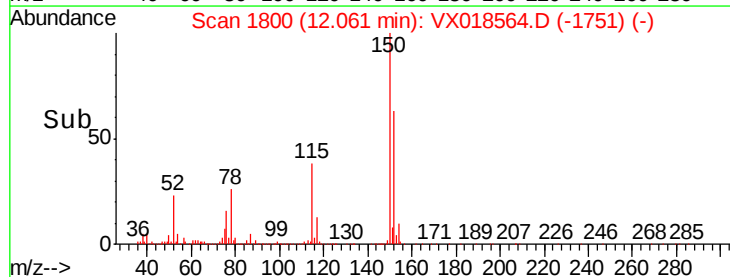
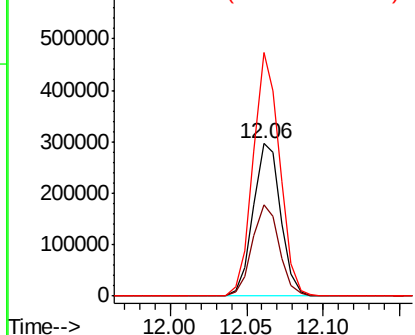


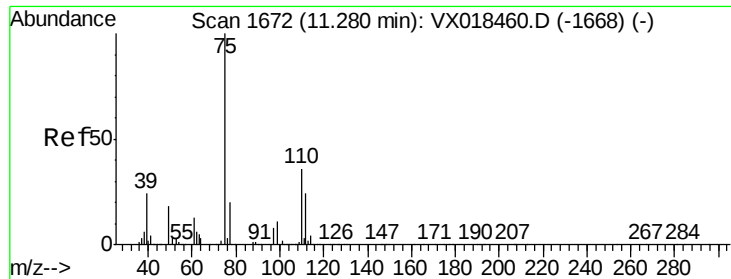
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018564.D
Acq: 24 Sep 2020 12:10

Tgt Ion:152 Resp: 370387
Ion Ratio Lower Upper
152 100
115 59.3 41.8 125.4
150 154.8 0.0 342.4



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: 23.107 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018564.D

Acq: 24 Sep 2020 12:10

Instrument :

MSVOA_X

ClientSampleId :

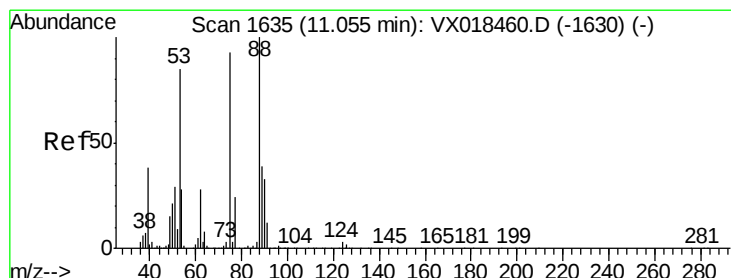
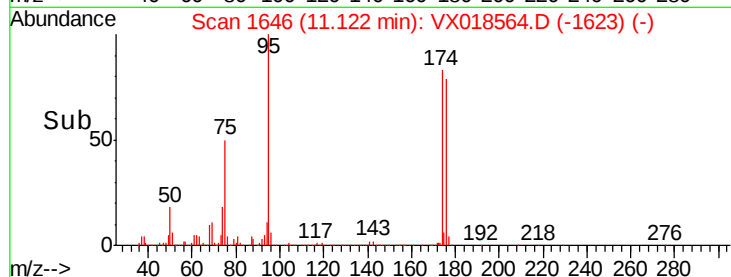
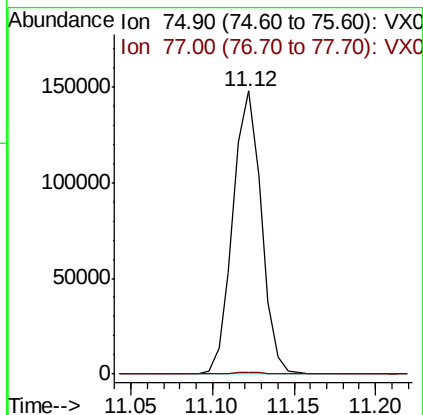
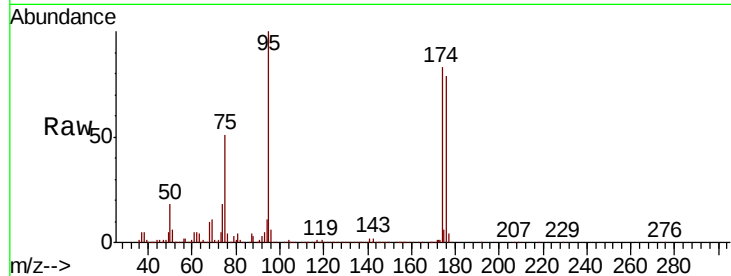
TB02-20200918

Tot Ion: 75 Resp: 179854

Ion Ratio Lower Upper

75 100

77 1.1 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.212 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018564.D

Acq: 24 Sep 2020 12:10

Tgt Ion: 75 Resp: 179854

Ion Ratio Lower Upper

75 100

53 0.3 74.6 111.8#

89 0.1 36.2 54.4#

