

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092320\
 Data File : VX018553.D
 Acq On : 23 Sep 2020 22:30
 Operator : JC/SP
 Sample : L4083-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20200917

Quant Time: Sep 24 00:39:39 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	5.64	168	444440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	715532	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	704358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	349585	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	317407	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
35) Dibromofluoromethane	5.47	113	249471	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	8.70	98	872708	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.12	95	325055	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	

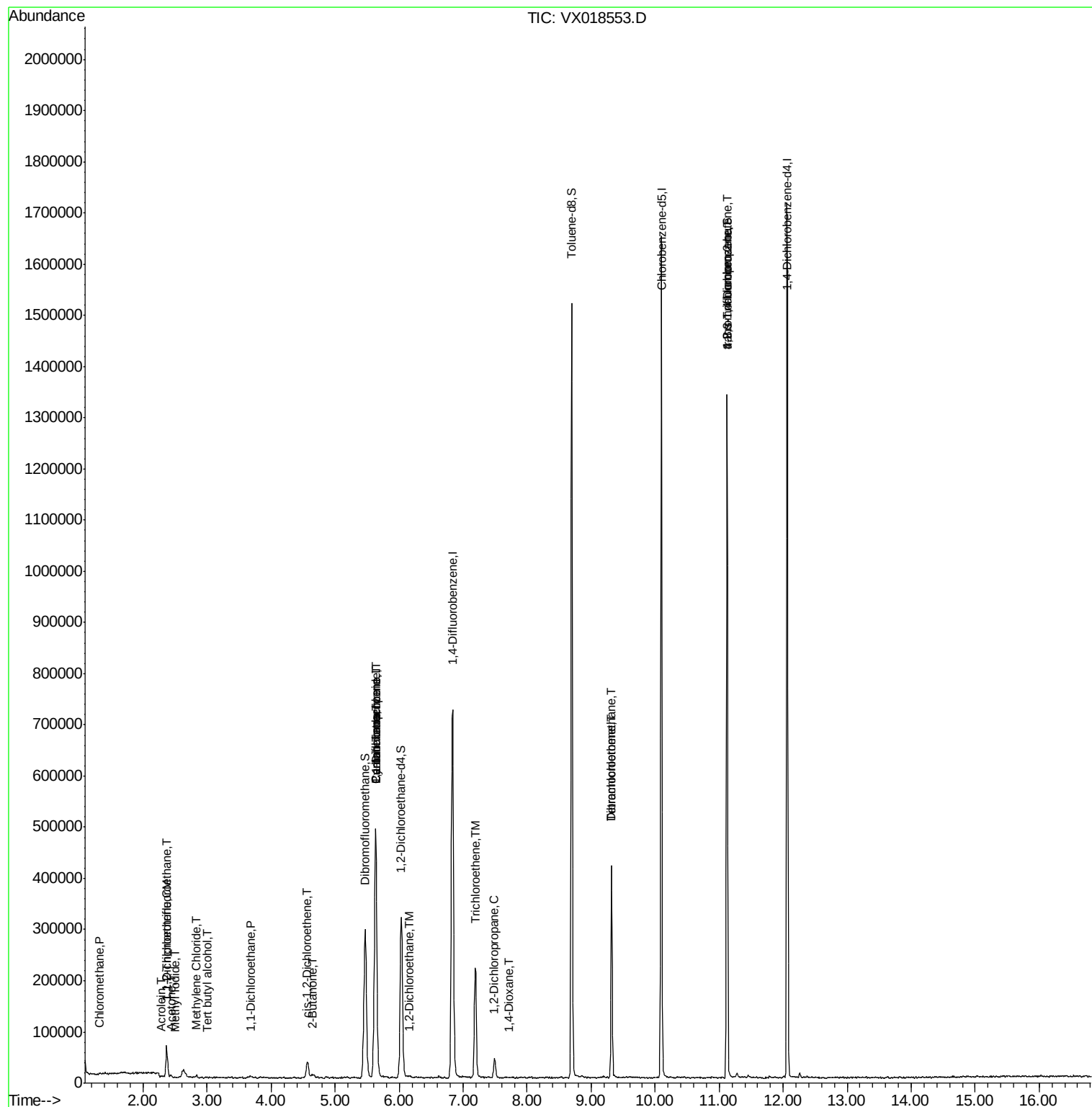
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1211	0.245	ug/l #	77
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22255	5.212	ug/l	96
10) Methyl Iodide	2.50	142	154	4.941	ug/l #	87
11) Tert butyl alcohol	3.00	59	358	0.327	ug/l #	1
12) 1,1-Dichloroethene	2.36	96	2688	0.625	ug/l #	94
13) Acrolein	2.29	56	470	0.679	ug/l #	56
16) Acetone	2.43	43	5437	2.261	ug/l	100
20) Methylene Chloride	2.83	84	2178	0.411	ug/l #	78
24) 1,1-Dichloroethane	3.68	63	4276	0.473	ug/l #	94
25) 2-Butanone	4.65	43	820	0.219	ug/l #	84
27) cis-1,2-Dichloroethene	4.56	96	20616	3.677	ug/l	86
31) Cyclohexane	5.64	56	10879	1.430	ug/l #	34
36) 1,1-Dichloropropene	5.63	75	35926	5.173	ug/l #	53
38) Carbon Tetrachloride	5.64	117	46548	6.052	ug/l #	18
42) 1,2-Dichloroethane	6.17	62	2553	0.330	ug/l	97
44) Trichloroethene	7.20	130	84631	14.688	ug/l	91
45) 1,2-Dichloropropane	7.49	63	15147	2.773	ug/l #	87
49) 1,4-Dioxane	7.71	88	125	1.263	ug/l #	1
60) Dibromochloromethane	9.32	129	76117	12.283	ug/l #	11
64) Tetrachloroethene	9.32	164	78490	14.154	ug/l	92
76) 1,2,3-Trichloropropane	11.12	75	172313	23.456	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	172313	60.105	ug/l #	12

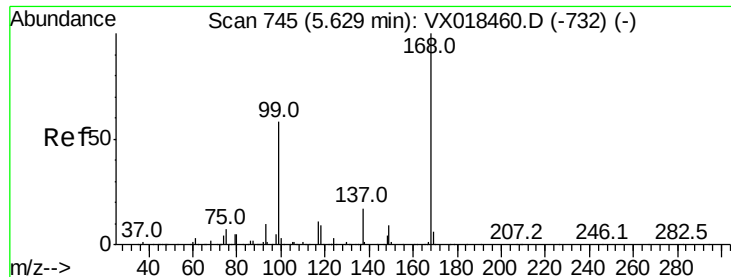
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 24 00:39:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018553.D

Acq: 23 Sep 2020 22:30

Instrument :

MSVOA_X

ClientSampleId :

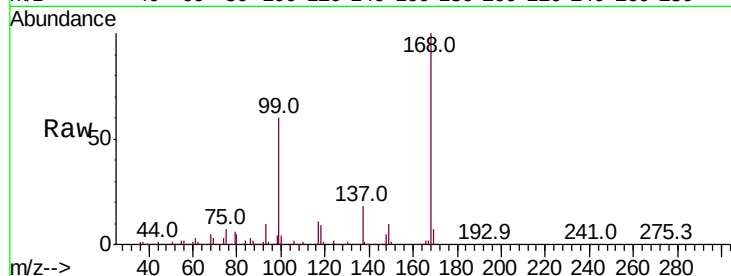
DUP03-20200917

Tot Ion:168 Resp: 444440

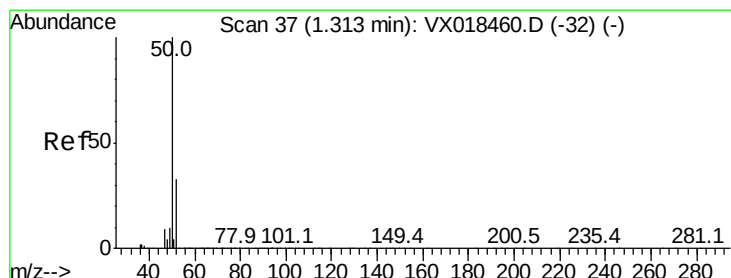
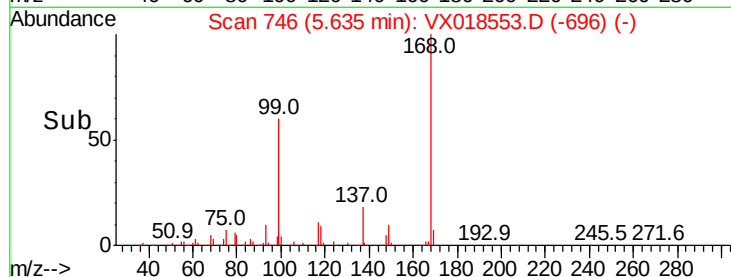
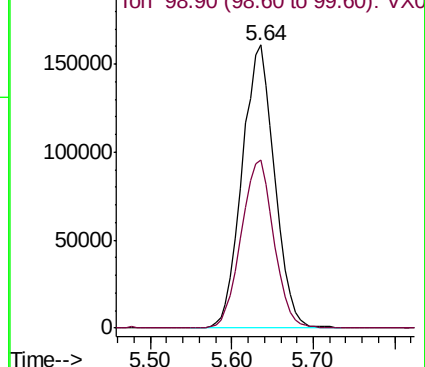
Ion Ratio Lower Upper

168 100

99 59.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V



#3

Chloromethane

Concen: 0.245 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018553.D

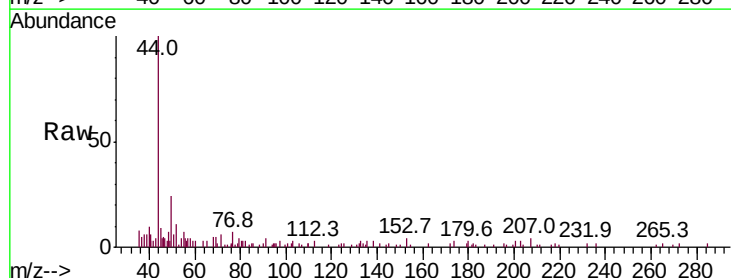
Acq: 23 Sep 2020 22:30

Tgt Ion: 50 Resp: 1211

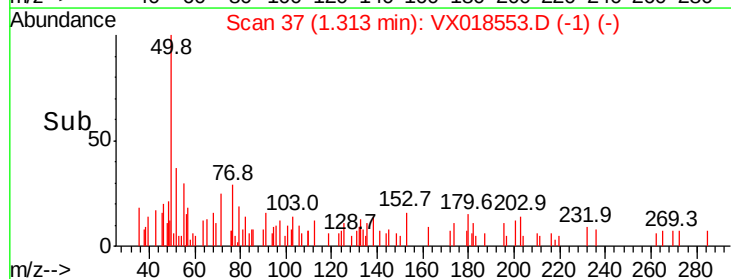
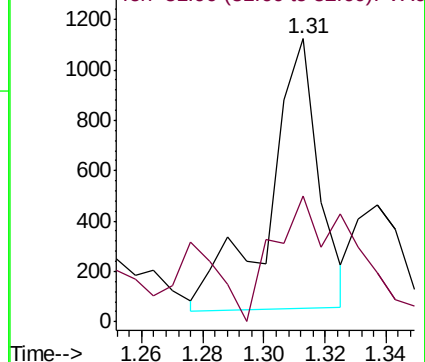
Ion Ratio Lower Upper

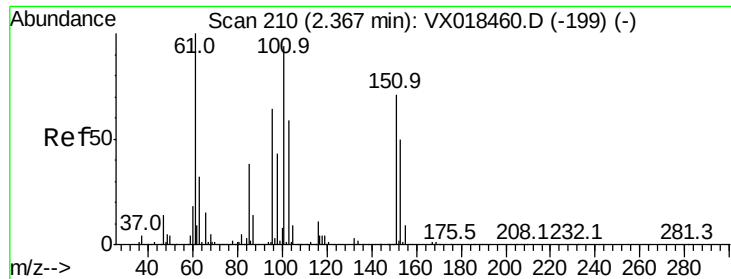
50 100

52 20.5 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.212 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX018553.D

Acq: 23 Sep 2020 22:30

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20200917

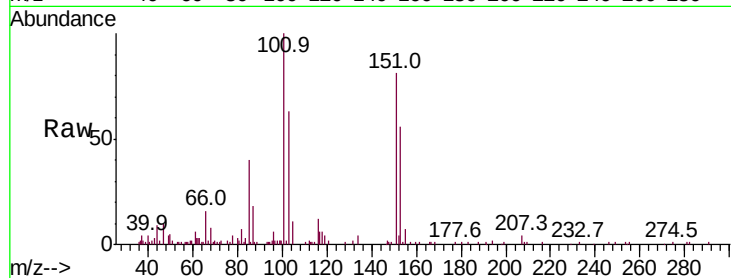
Tot Ion:101 Resp: 22255

Ion Ratio Lower Upper

101 100

85 43.2 34.7 52.1

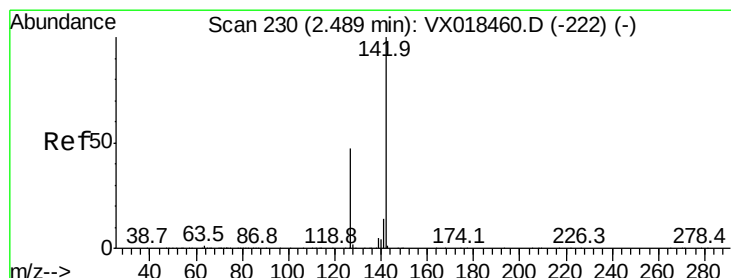
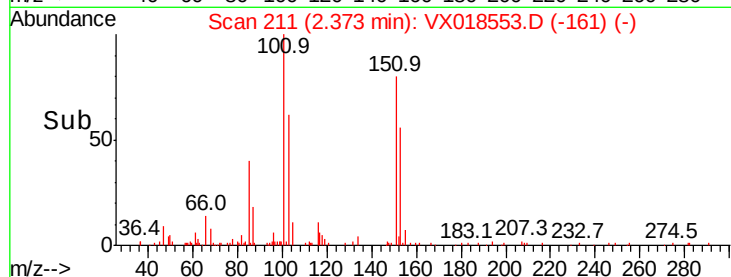
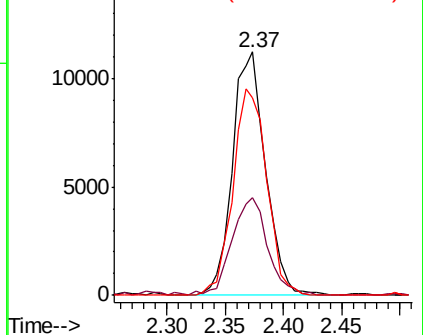
151 86.5 64.9 97.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.941 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018553.D

Acq: 23 Sep 2020 22:30

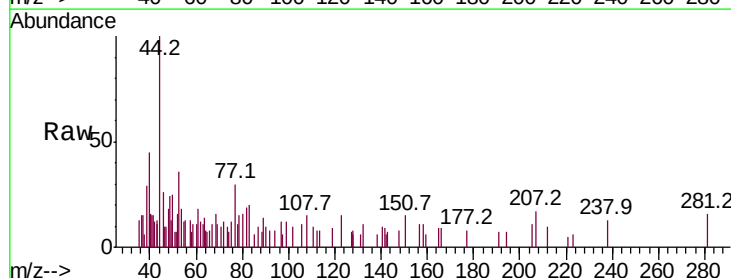
Tgt Ion:142 Resp: 154

Ion Ratio Lower Upper

142 100

127 48.7 36.0 54.0

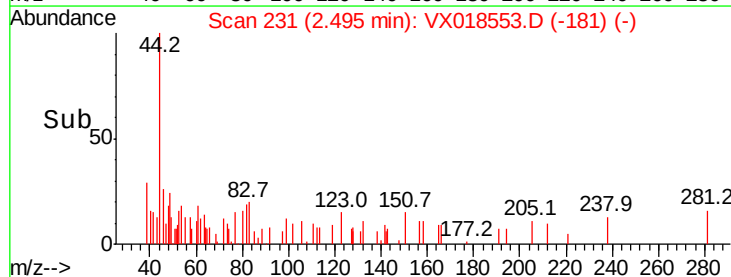
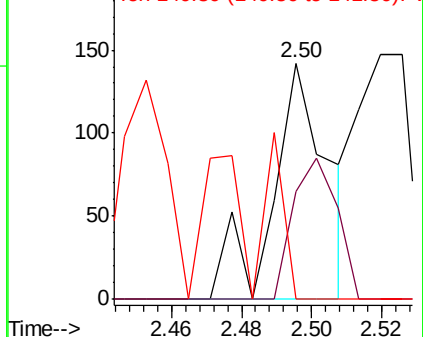
141 0.0 11.9 17.9#

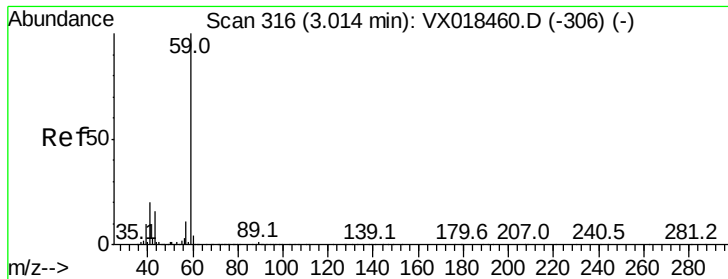


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



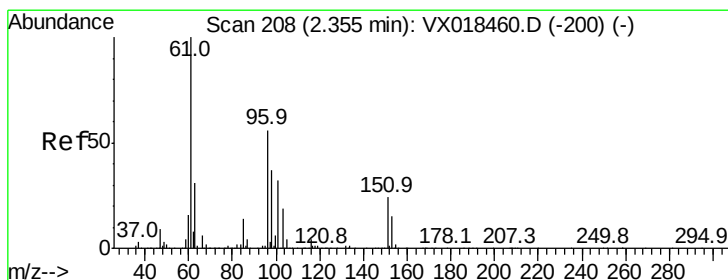
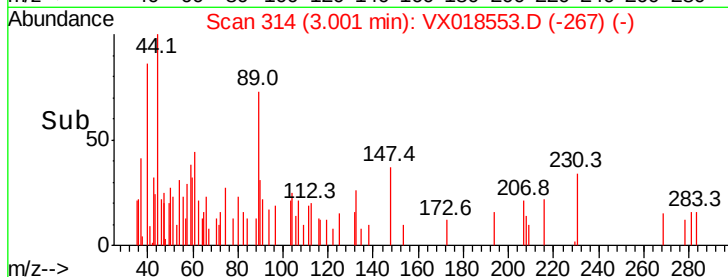
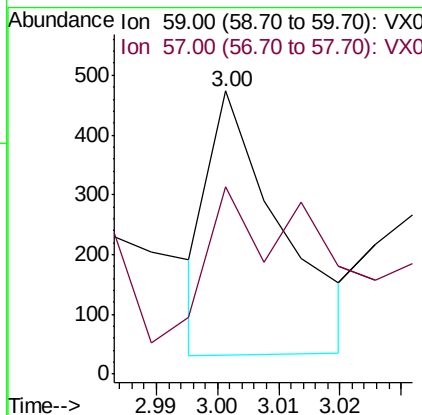
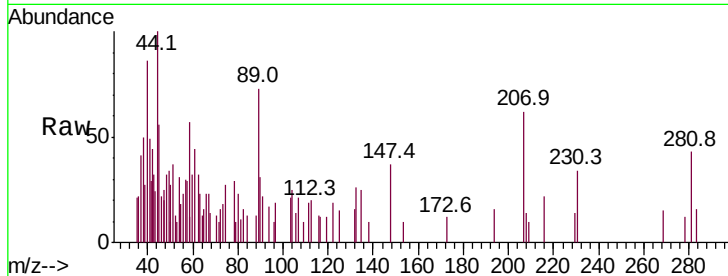


#11

Tert butyl alcohol
 Concen: 0.327 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX018553.D
 Acq: 23 Sep 2020 22:30

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20200917

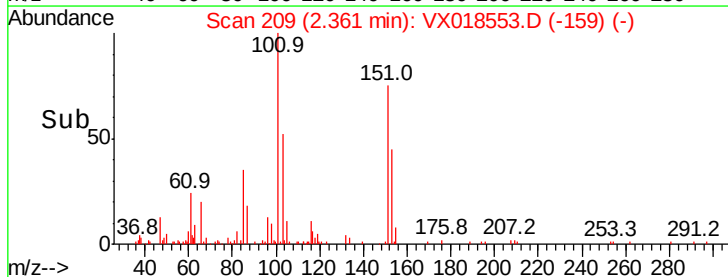
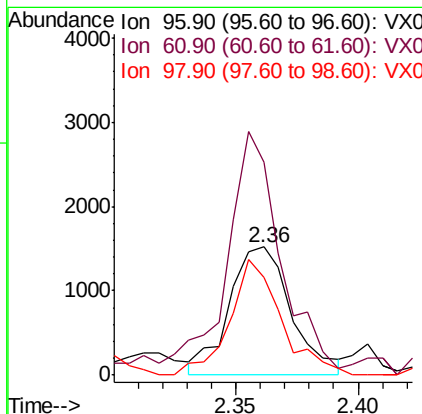
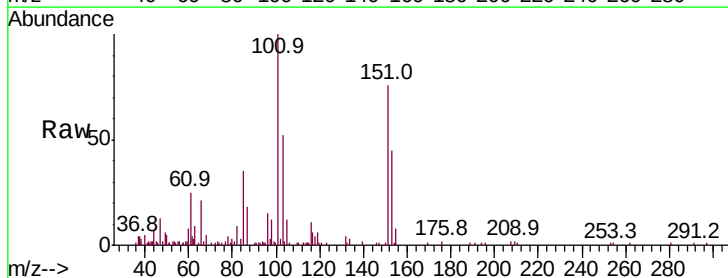
Tot Ion: 59 Resp: 358
 Ion Ratio Lower Upper
 59 100
 57 92.5 8.2 12.4#

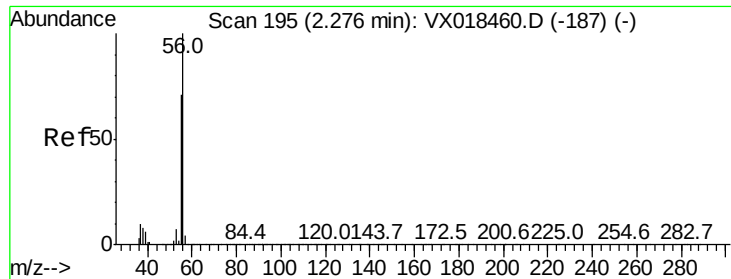


#12

1,1-Dichloroethene
 Concen: 0.625 ug/l
 RT: 2.36 min Scan# 209
 Delta R.T. 0.01 min
 Lab File: VX018553.D
 Acq: 23 Sep 2020 22:30

Tgt Ion: 96 Resp: 2688
 Ion Ratio Lower Upper
 96 100
 61 179.1 142.2 213.4
 98 79.8 52.4 78.6#





#13

Acrolein

Concen: 0.679 ug/l

RT: 2.29 min Scan# 198

Delta R.T. 0.02 min

Lab File: VX018553.D

Acq: 23 Sep 2020 22:30

Instrument :

MSVOA_X

ClientSampleId :

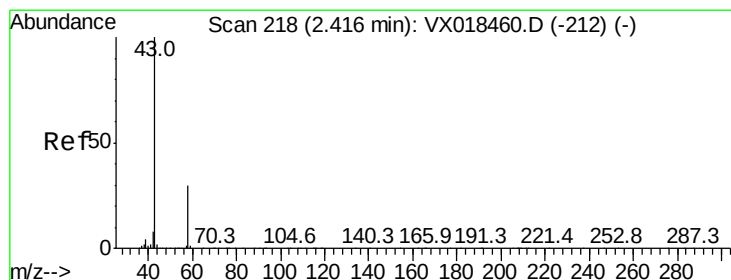
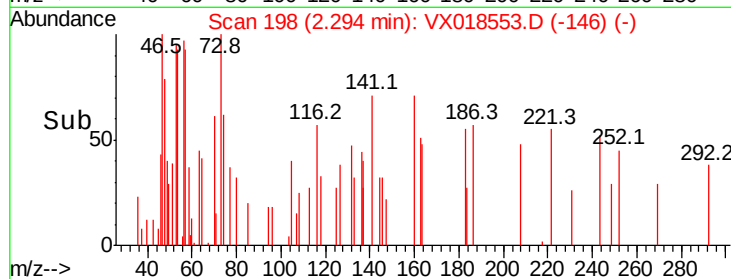
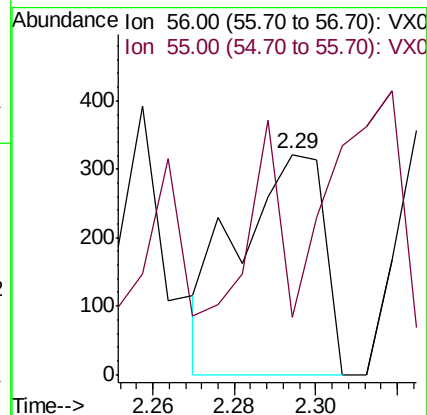
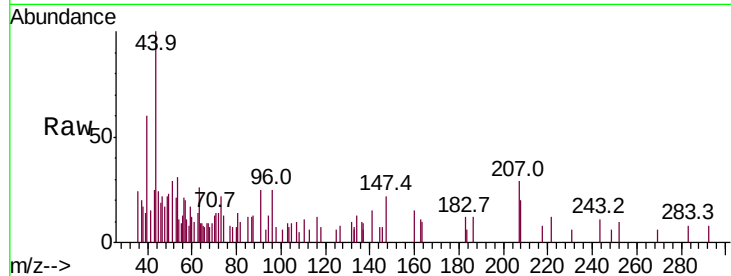
DUP03-20200917

Tot Ion: 56 Resp: 470

Ion Ratio Lower Upper

56 100

55 35.5 58.2 87.4#



#16

Acetone

Concen: 2.261 ug/l

RT: 2.43 min Scan# 221

Delta R.T. 0.02 min

Lab File: VX018553.D

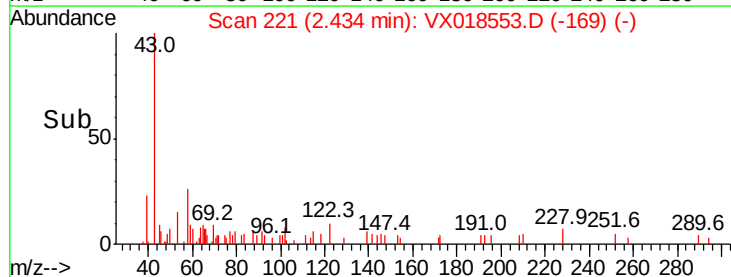
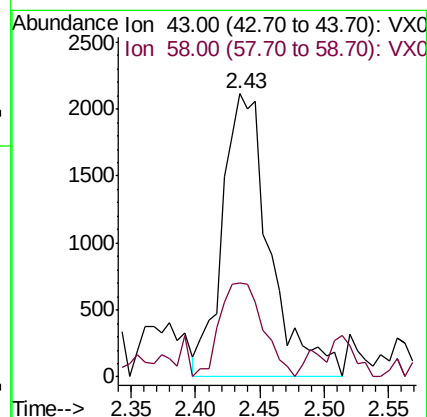
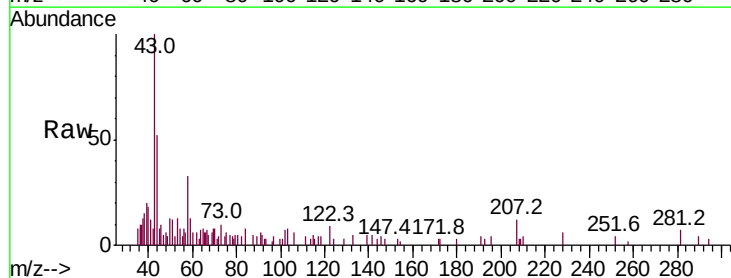
Acq: 23 Sep 2020 22:30

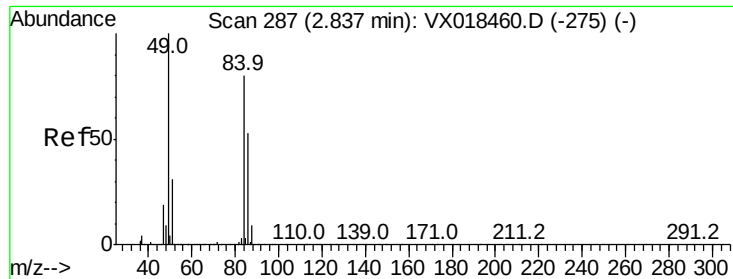
Tgt Ion: 43 Resp: 5437

Ion Ratio Lower Upper

43 100

58 29.8 24.0 36.0

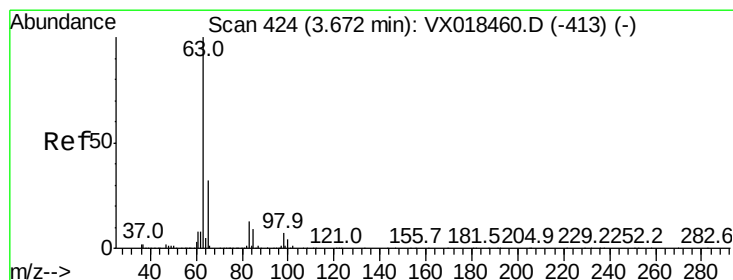
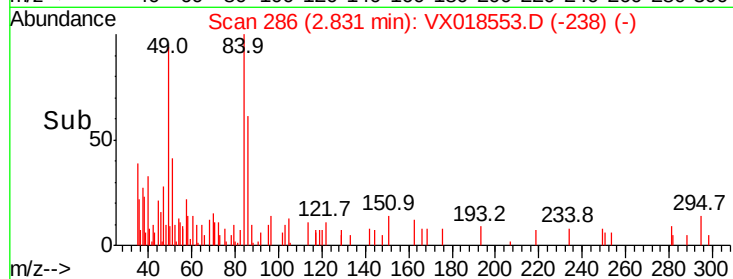
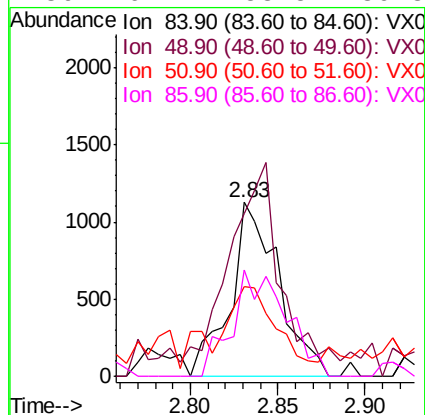
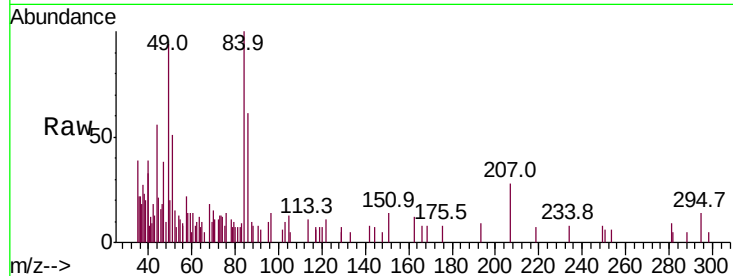




#20
Methylene Chloride
Concen: 0.411 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018553.D
Acq: 23 Sep 2020 22:30

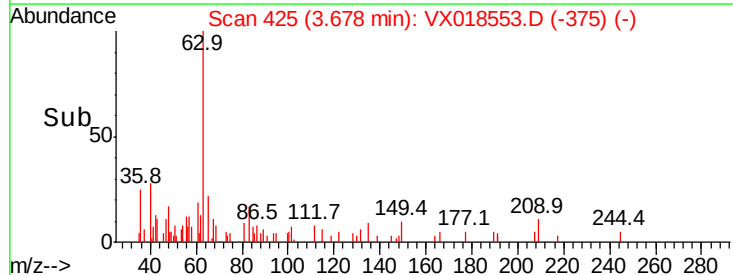
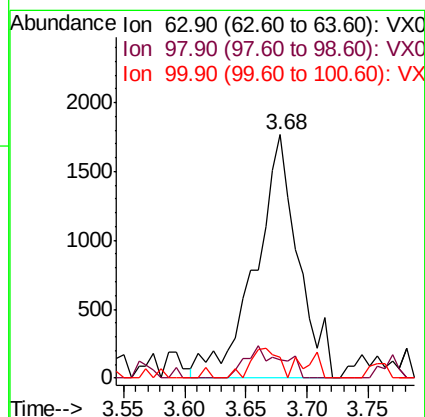
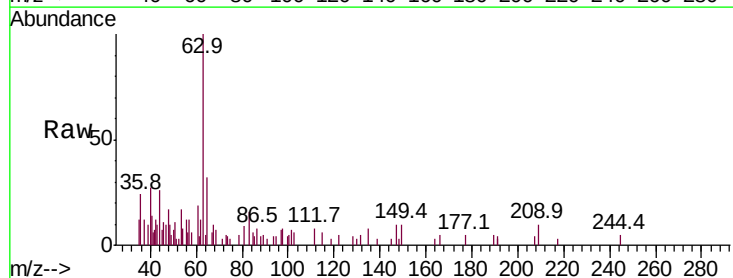
Instrument :
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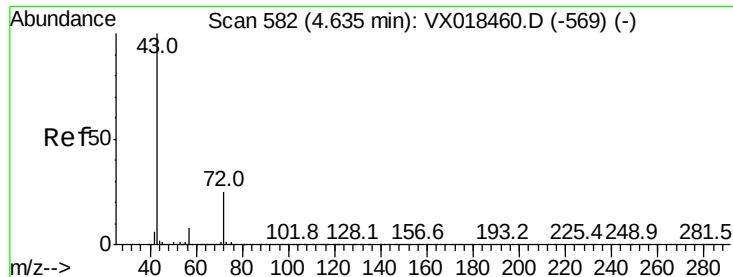
Tot Ion:	84	Resp:	2178
Ion	Ratio	Lower	Upper
84	100		
49	85.2	100.6	151.0#
51	39.8	30.9	46.3
86	61.4	53.5	80.3



#24
1,1-Dichloroethane
Concen: 0.473 ug/l
RT: 3.68 min Scan# 425
Delta R.T. 0.01 min
Lab File: VX018553.D
Acq: 23 Sep 2020 22:30

Tgt Ion:	63	Resp:	4276
Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	8.8	1.9	5.7#

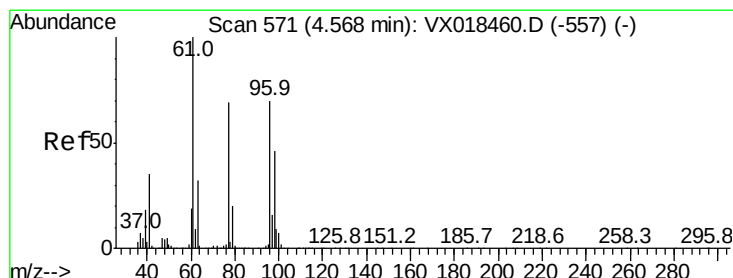
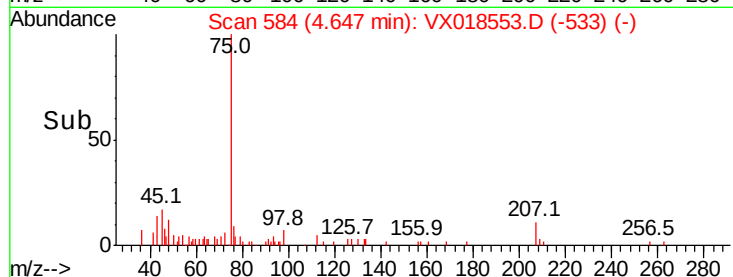
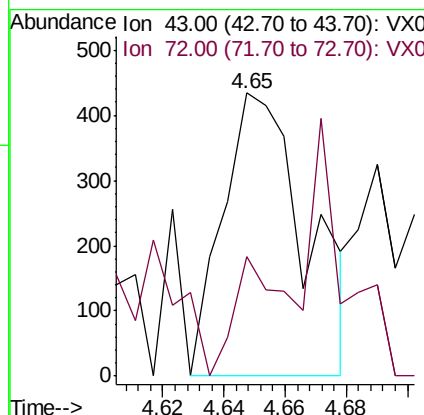
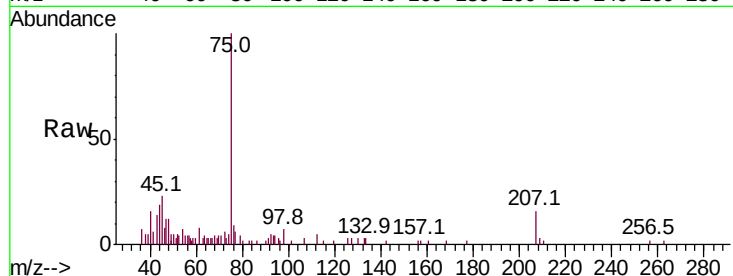




#25
2-Butanone
Concen: 0.219 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018553.D
Acq: 23 Sep 2020 22:30

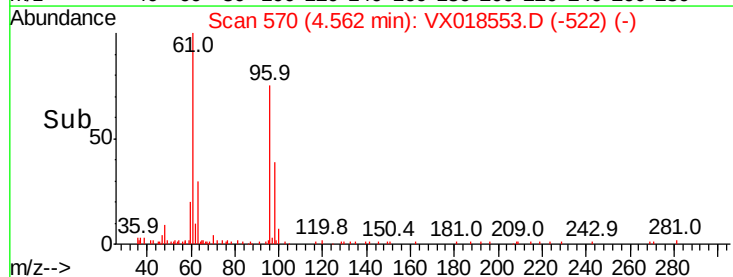
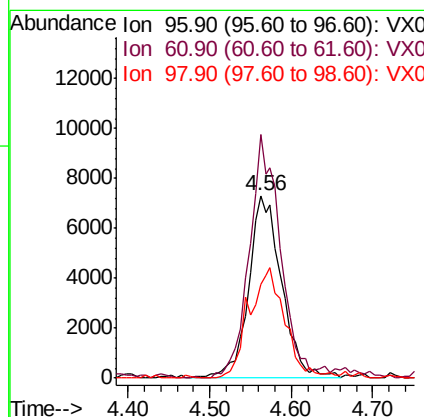
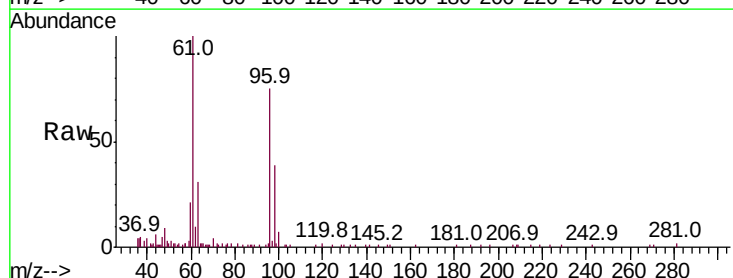
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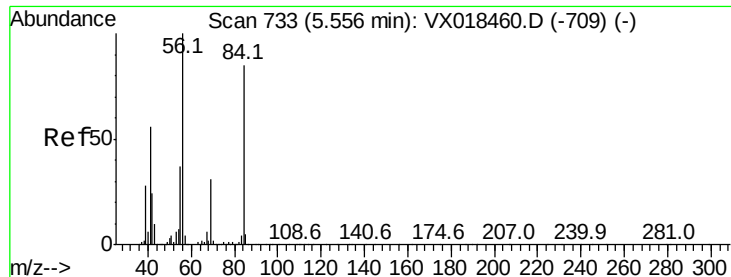
Tot Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
72 17.1 20.2 30.4#



#27
cis-1,2-Dichloroethene
Concen: 3.677 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX018553.D
Acq: 23 Sep 2020 22:30

Tgt Ion: 96 Resp: 20616
Ion Ratio Lower Upper
96 100
61 124.6 0.0 300.0
98 65.9 0.0 130.4

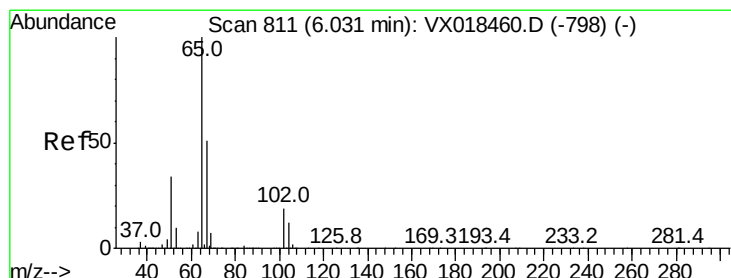
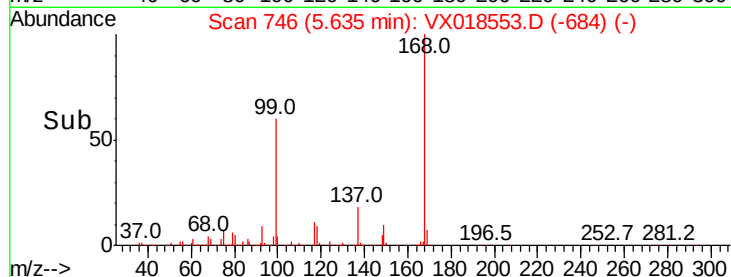
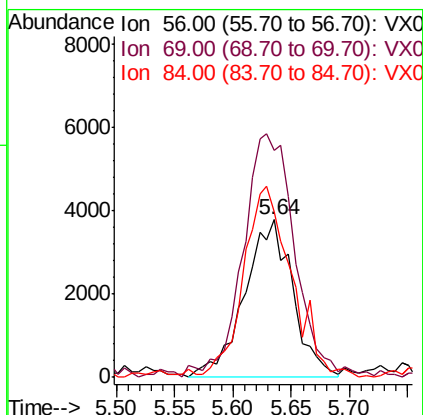
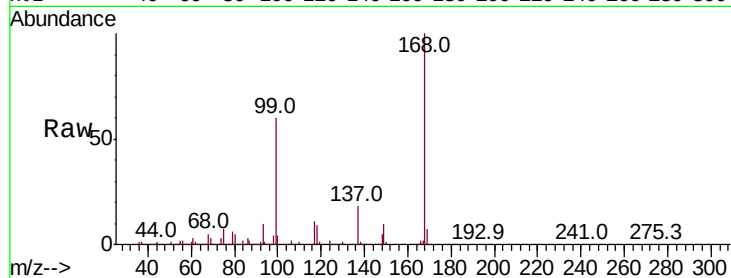




#31
Cyclohexane
Concen: 1.430 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX018553.D
Acq: 23 Sep 2020 22:30

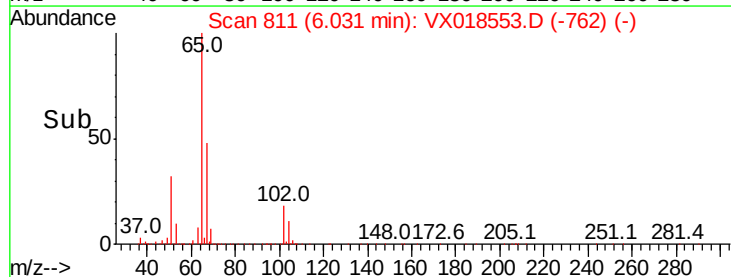
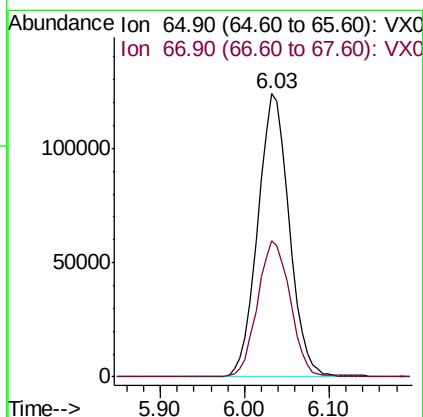
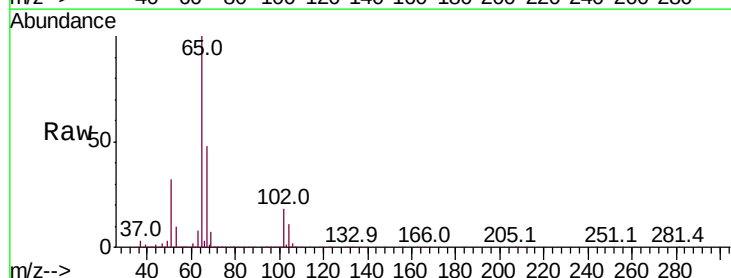
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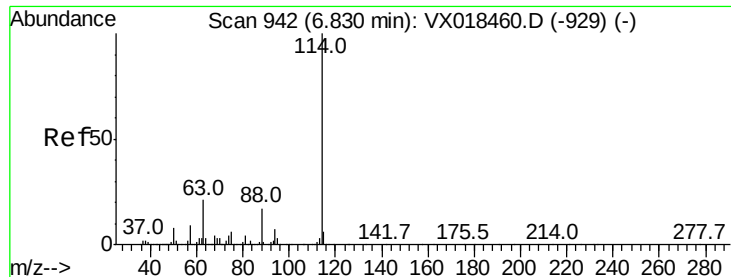
Tot Ion: 56 Resp: 10879
Ion Ratio Lower Upper
56 100
69 140.1 24.8 37.2#
84 99.9 67.6 101.4



#33
1,2-Dichloroethane-d4
Concen: 50.484 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018553.D
Acq: 23 Sep 2020 22:30

Tgt Ion: 65 Resp: 317407
Ion Ratio Lower Upper
65 100
67 49.9 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018553.D

Acq: 23 Sep 2020 22:30

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20200917

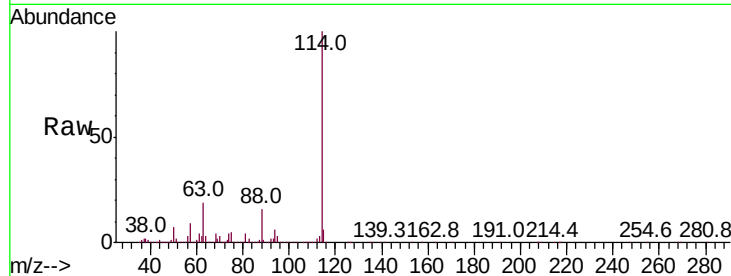
Tot Ion:114 Resp: 715532

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.8

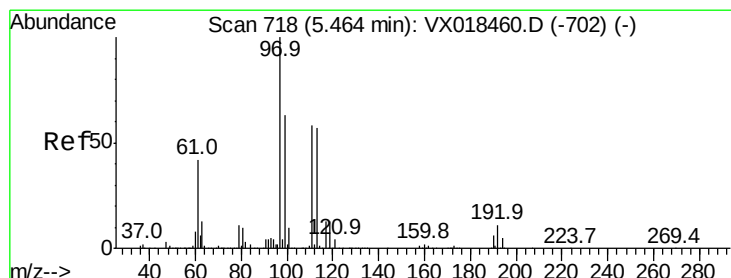
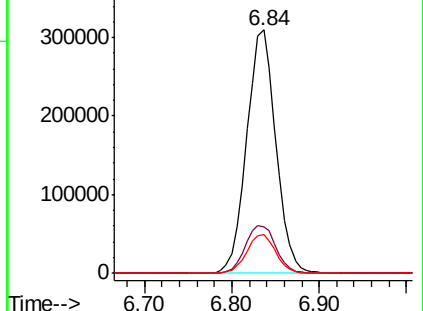
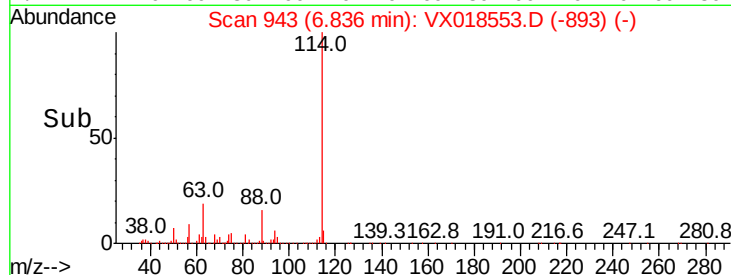
88 15.7 0.0 33.6



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



#35

Dibromofluoromethane

Concen: 50.433 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018553.D

Acq: 23 Sep 2020 22:30

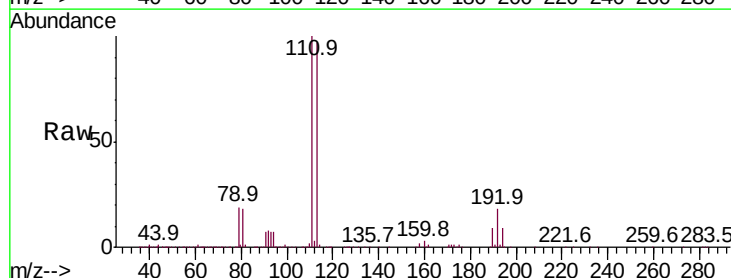
Tgt Ion:113 Resp: 249471

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.2

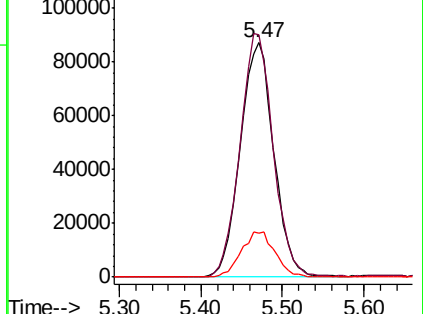
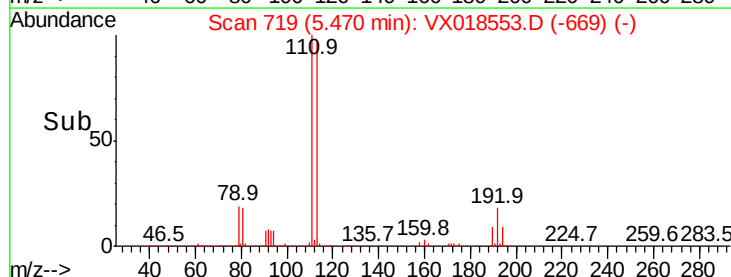
192 19.4 16.6 24.8

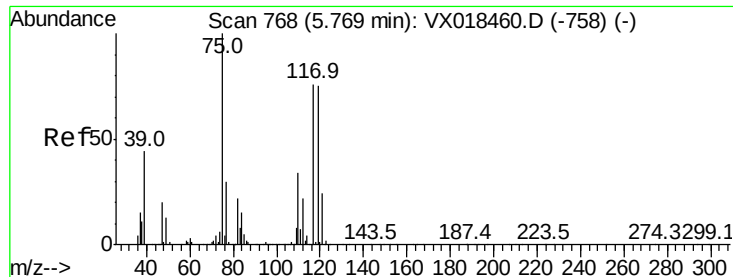


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

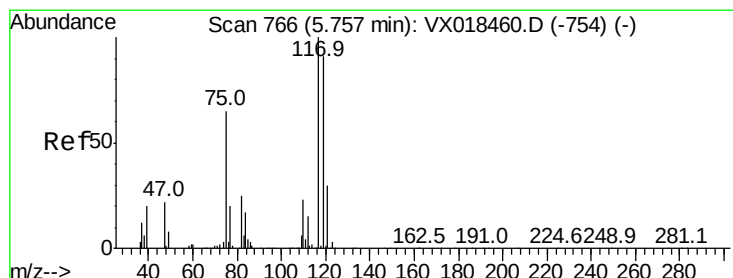
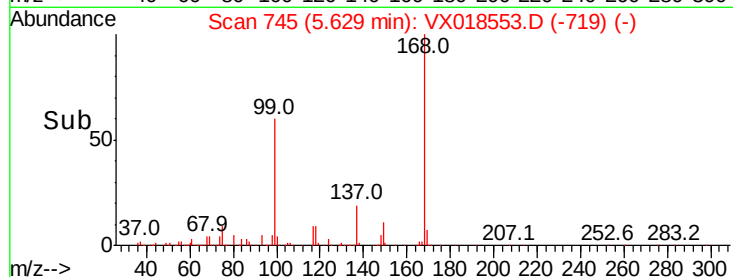
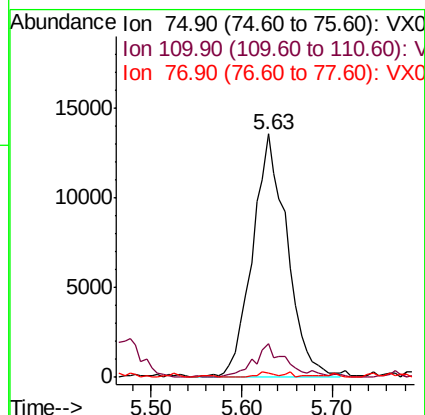
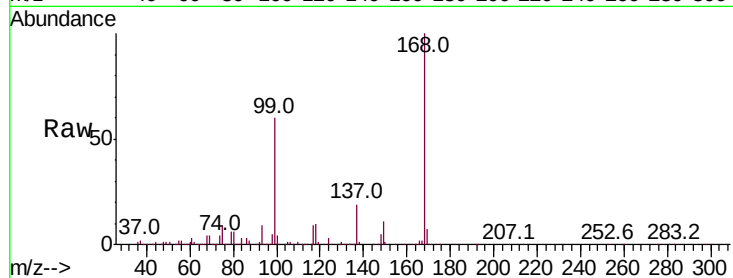




#36
 1,1-Dichloropropene
 Concen: 5.173 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018553.D
 Acq: 23 Sep 2020 22:30

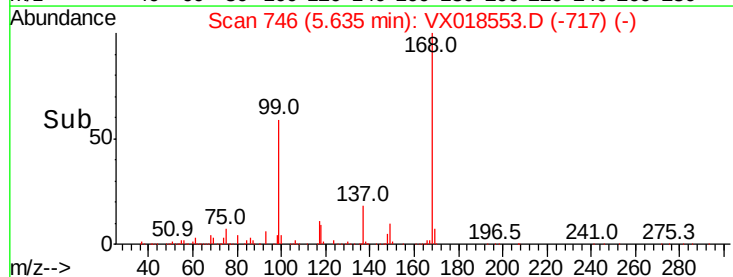
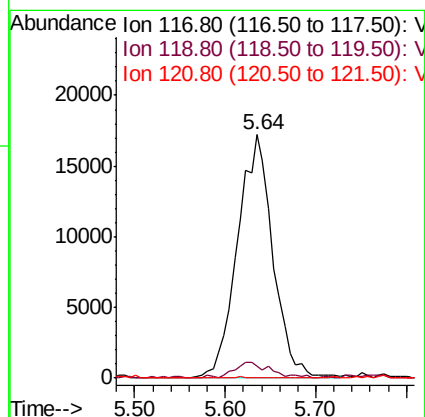
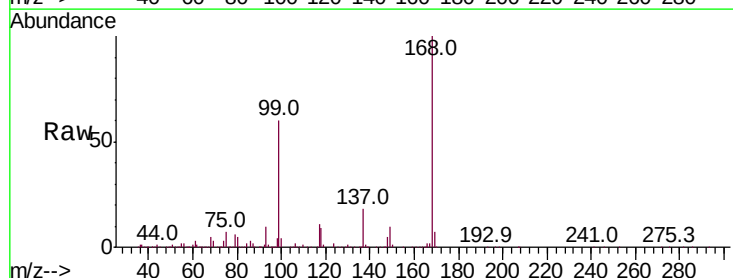
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20200917

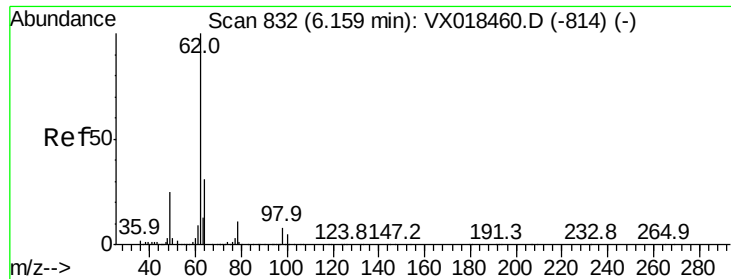
Tot Ion: 75 Resp: 35926
 Ion Ratio Lower Upper
 75 100
 110 11.9 17.6 52.8#
 77 1.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.052 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX018553.D
 Acq: 23 Sep 2020 22:30

Tgt Ion: 117 Resp: 46548
 Ion Ratio Lower Upper
 117 100
 119 4.9 72.3 108.5#
 121 0.0 23.8 35.8#

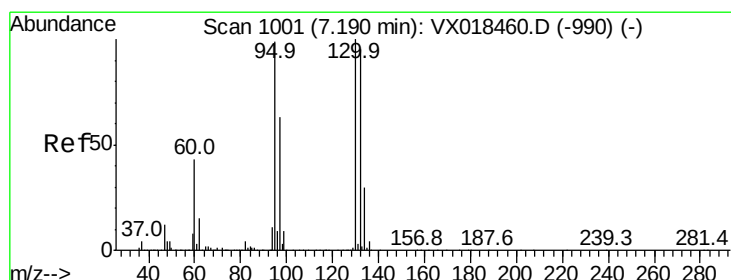
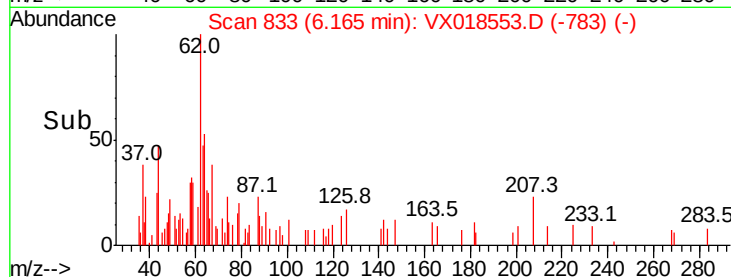
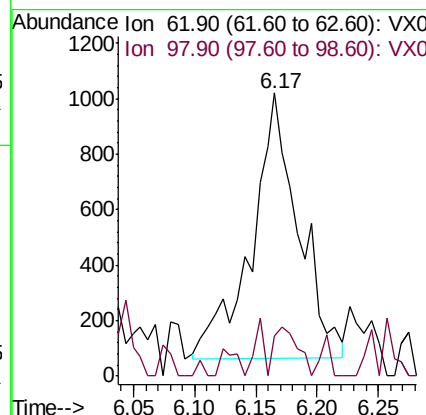
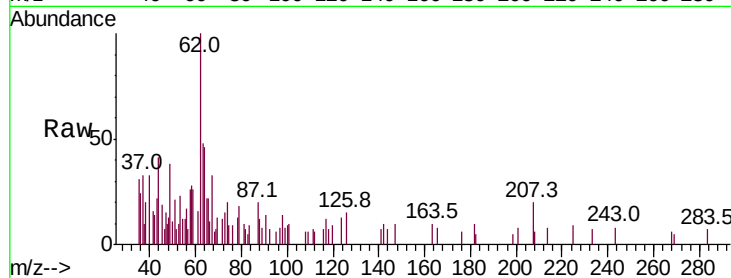




#42
1,2-Dichloroethane
Concen: 0.330 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX018553.D
Acq: 23 Sep 2020 22:30

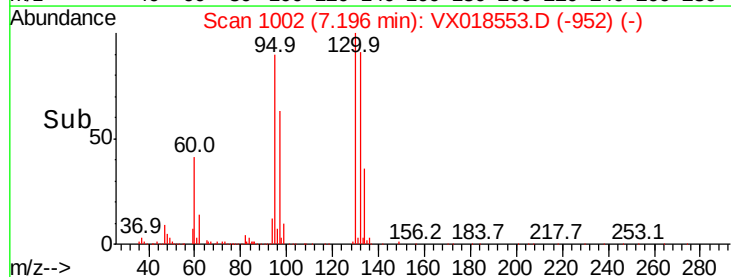
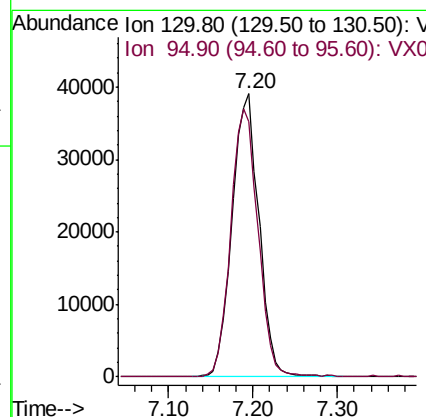
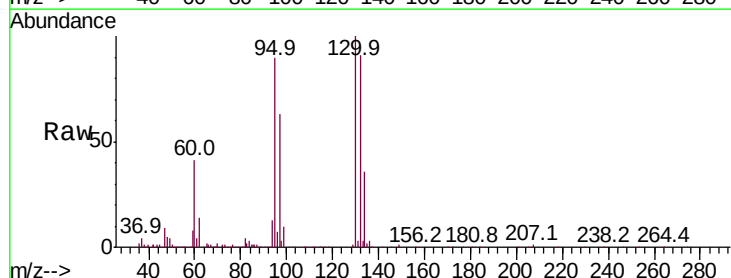
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20200917

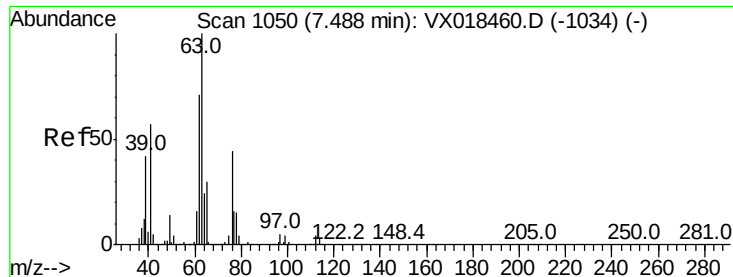
Tot Ion: 62 Resp: 2553
Ion Ratio Lower Upper
62 100
98 9.5 0.0 16.6



#44
Trichloroethene
Concen: 14.688 ug/l
RT: 7.20 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VX018553.D
Acq: 23 Sep 2020 22:30

Tgt Ion:130 Resp: 84631
Ion Ratio Lower Upper
130 100
95 89.8 0.0 197.4





#45

1,2-Dichloropropane

Concen: 2.773 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX018553.D

Acq: 23 Sep 2020 22:30

Instrument :

MSVOA_X

ClientSampleId :

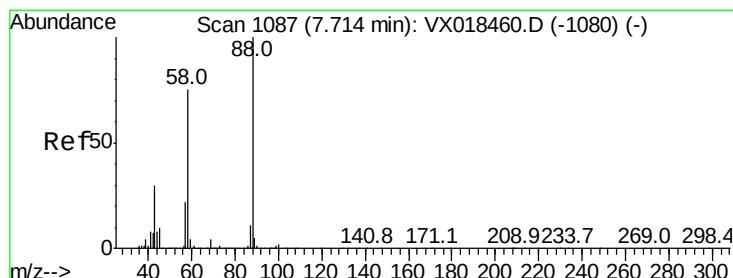
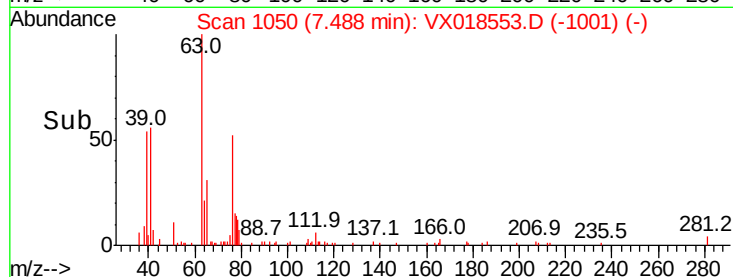
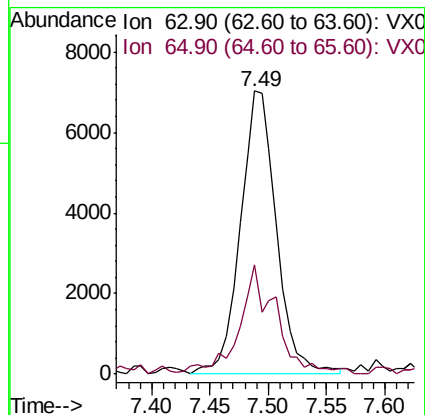
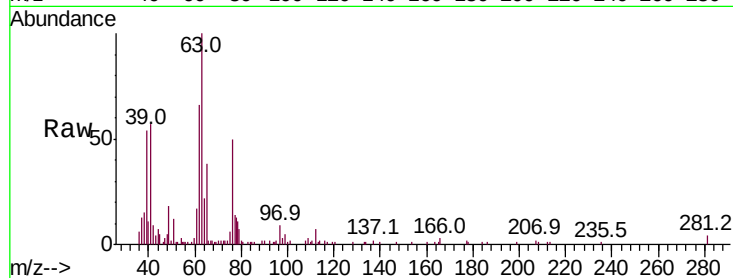
DUP03-20200917

Tot Ion: 63 Resp: 15147

Ion Ratio Lower Upper

63 100

65 37.1 24.1 36.1#



#49

1,4-Dioxane

Concen: 1.263 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018553.D

Acq: 23 Sep 2020 22:30

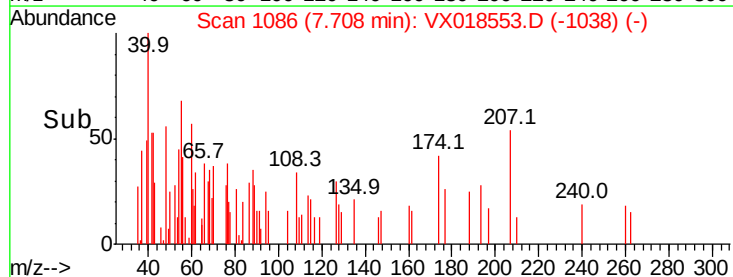
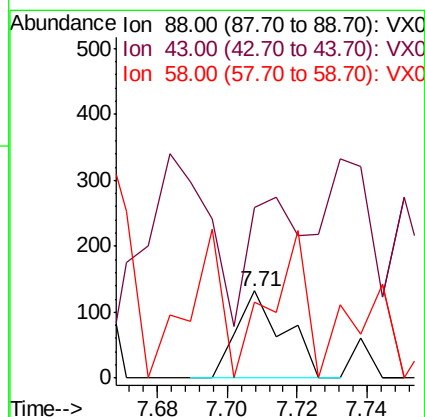
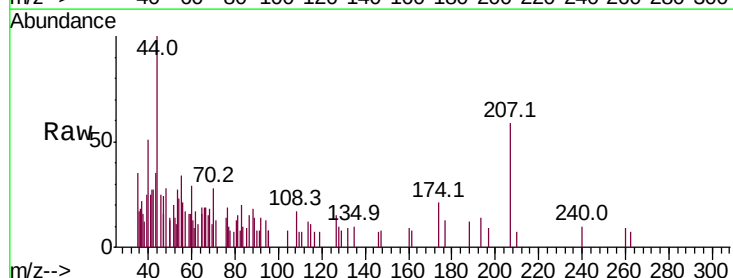
Tgt Ion: 88 Resp: 125

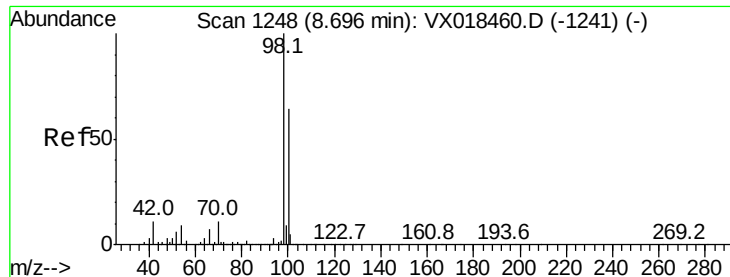
Ion Ratio Lower Upper

88 100

43 151.2 29.9 44.9#

58 128.8 59.0 88.6#





#50

Toluene-d8

Concen: 48.558 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018553.D

Acq: 23 Sep 2020 22:30

Instrument :

MSVOA_X

ClientSampleId :

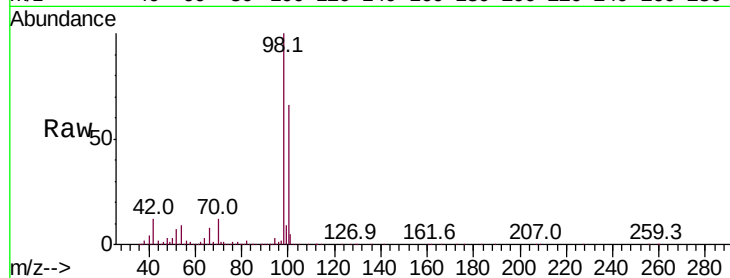
DUP03-20200917

Tot Ion: 98 Resp: 872708

Ion Ratio Lower Upper

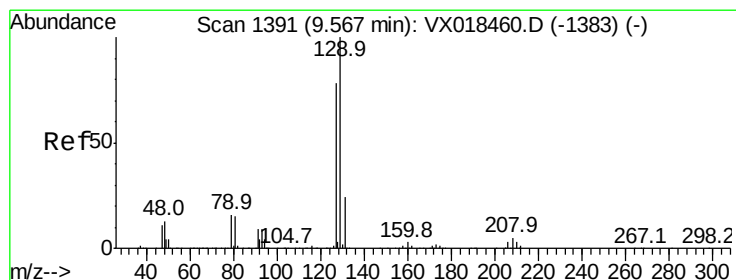
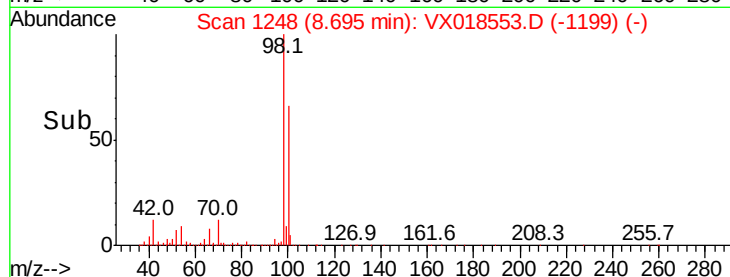
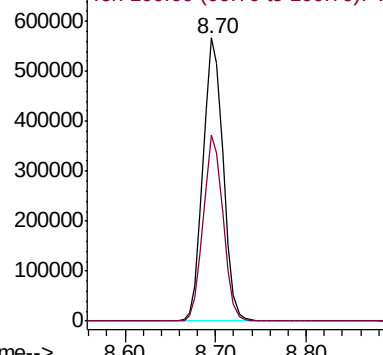
98 100

100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 12.283 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX018553.D

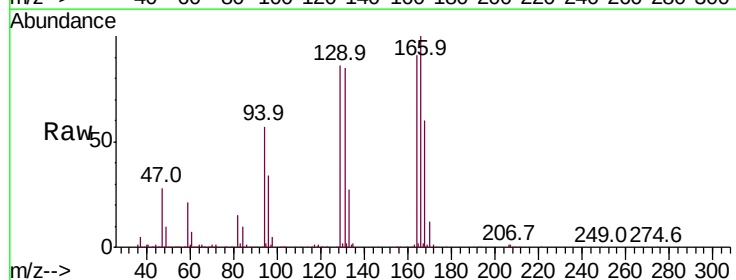
Acq: 23 Sep 2020 22:30

Tgt Ion: 129 Resp: 76117

Ion Ratio Lower Upper

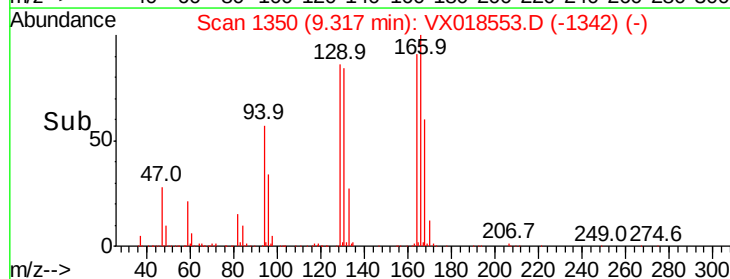
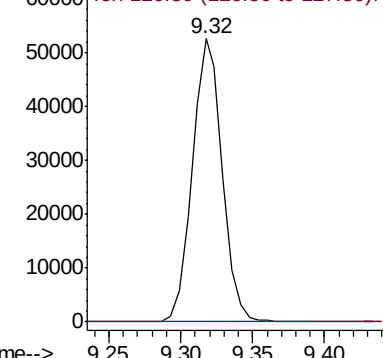
129 100

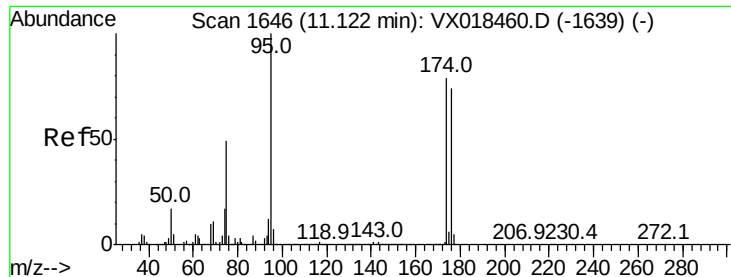
127 0.2 39.0 117.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 45.468 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018553.D

Acq: 23 Sep 2020 22:30

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20200917

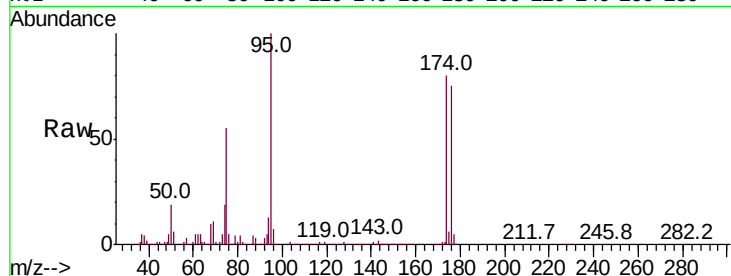
Tot Ion: 95 Resp: 325055

Ion Ratio Lower Upper

95 100

174 79.9 0.0 161.4

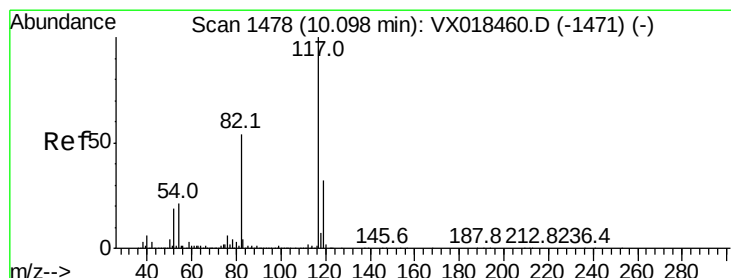
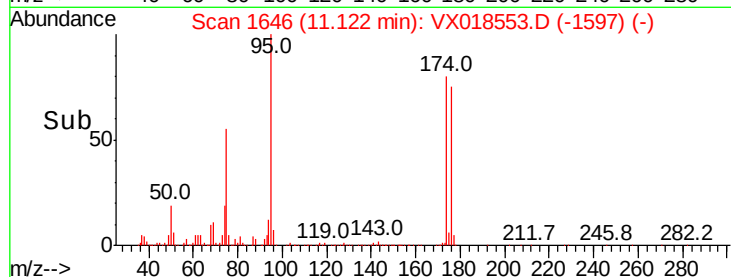
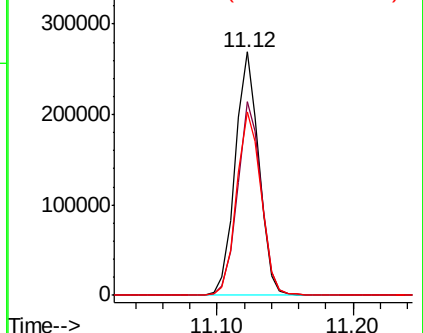
176 78.2 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX018460.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018460.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018460.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018553.D

Acq: 23 Sep 2020 22:30

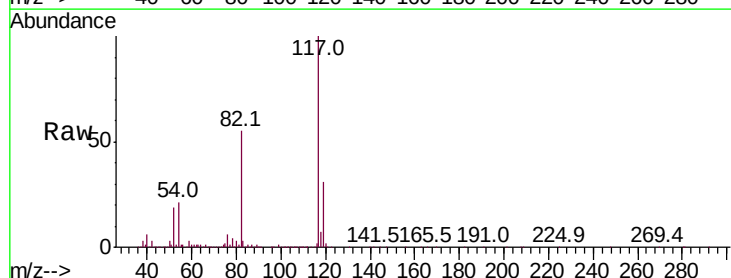
Tgt Ion: 117 Resp: 704358

Ion Ratio Lower Upper

117 100

82 54.8 43.3 64.9

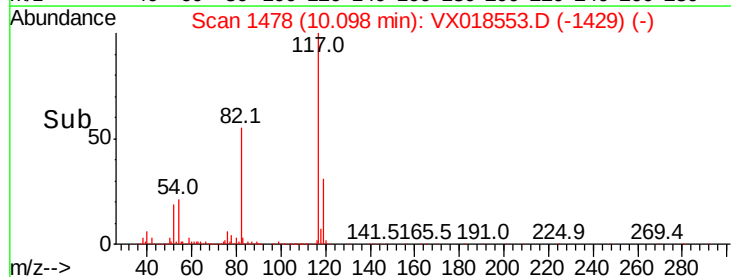
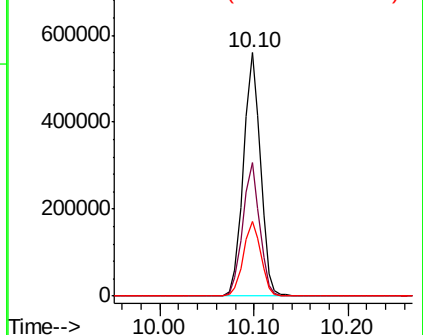
119 30.7 25.9 38.9

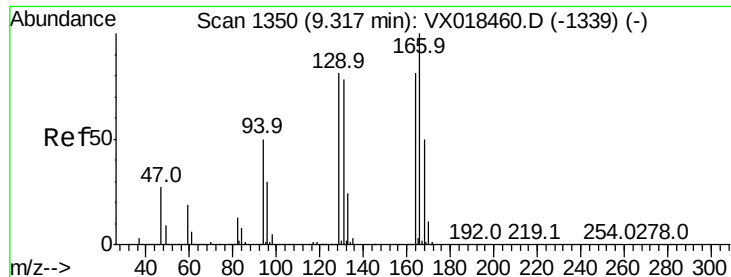


Abundance Ion 116.90 (116.60 to 117.60): VX018460.D (-1471) (-)

Ion 82.00 (81.70 to 82.70): VX018460.D (-1471) (-)

Ion 118.90 (118.60 to 119.60): VX018460.D (-1471) (-)





#64

Tetrachloroethene

Concen: 14.154 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX018553.D

Acq: 23 Sep 2020 22:30

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20200917

Tot Ion:164 Resp: 78490

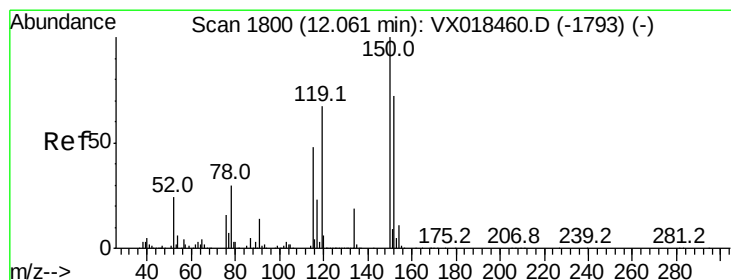
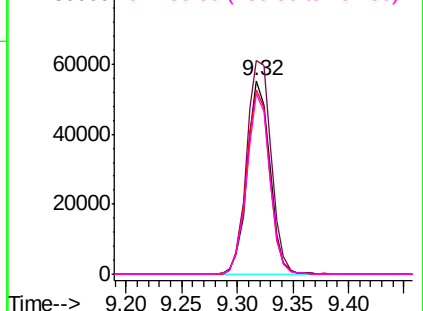
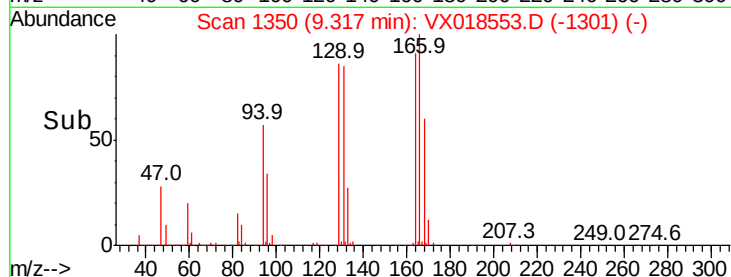
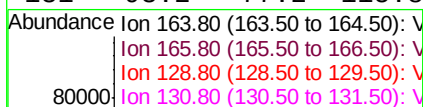
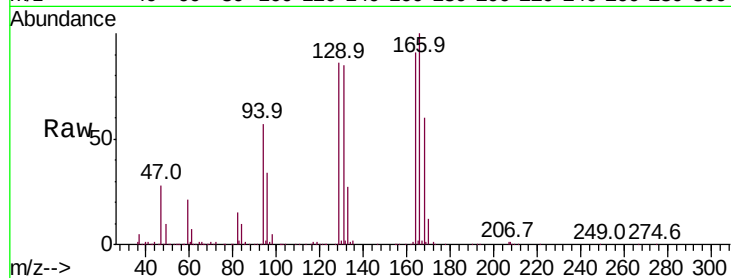
Ion Ratio Lower Upper

164 100

166 110.1 99.3 148.9

129 95.0 80.7 121.1

131 93.2 77.2 115.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018553.D

Acq: 23 Sep 2020 22:30

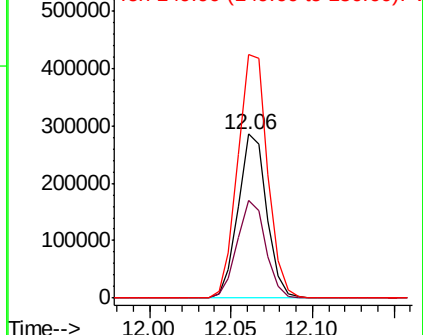
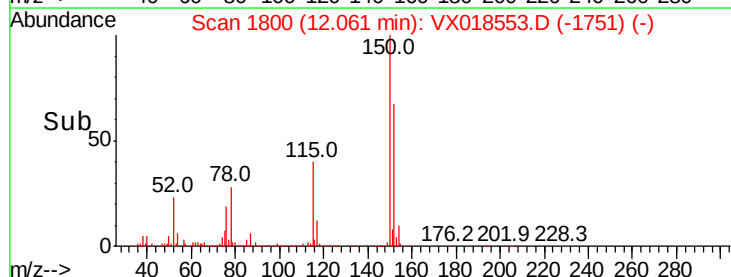
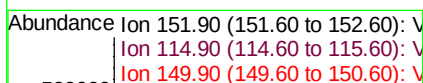
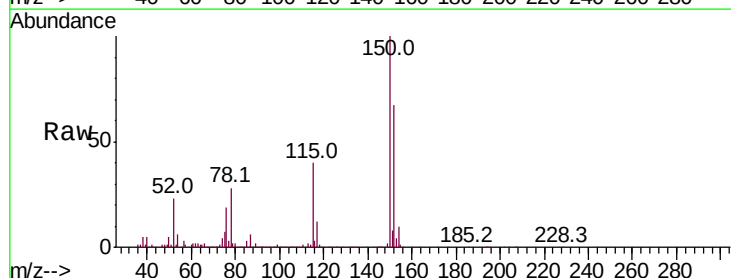
Tgt Ion:152 Resp: 349585

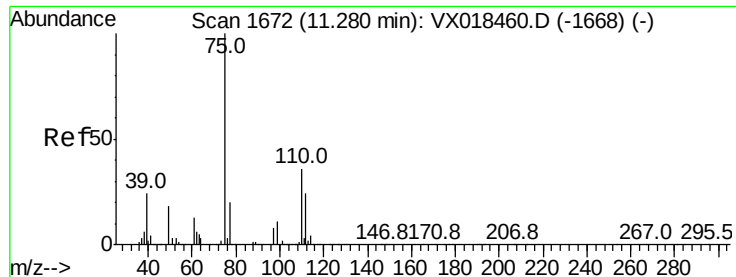
Ion Ratio Lower Upper

152 100

115 59.7 41.8 125.4

150 155.6 0.0 342.4

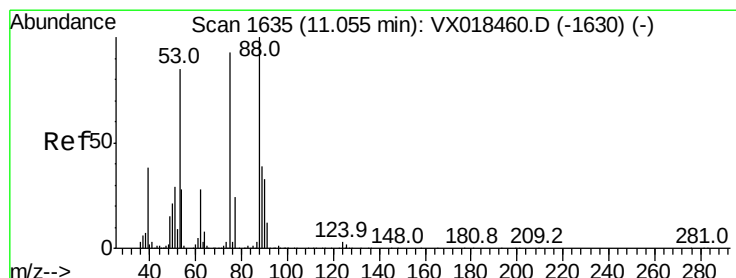
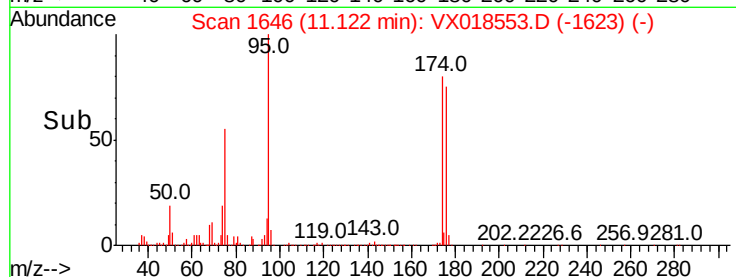
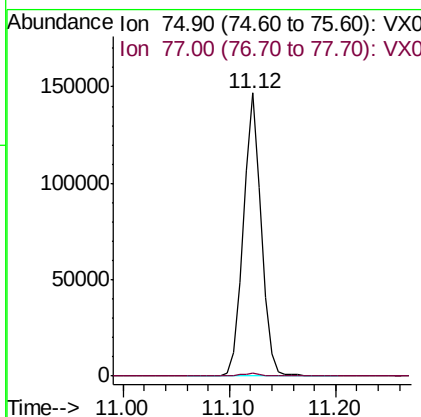
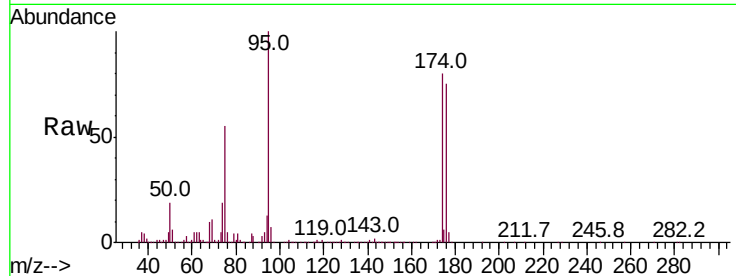




#76
 1,2,3-Trichloropropane
 Concen: 23.456 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018553.D
 Acq: 23 Sep 2020 22:30

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20200917

Tot Ion: 75 Resp: 172313
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.105 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX018553.D
 Acq: 23 Sep 2020 22:30

Tgt Ion: 75 Resp: 172313
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.6 111.8#
 89 0.1 36.2 54.4#

