

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092320\
 Data File : VX018554.D
 Acq On : 23 Sep 2020 22:52
 Operator : JC/SP
 Sample : L4083-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20200916

Quant Time: Sep 24 00:39:54 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	460919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	725876	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	710059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	353065	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	327896	50.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.58%	
35) Dibromofluoromethane	5.47	113	258668	51.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.10%	
50) Toluene-d8	8.70	98	896788	49.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.12	95	335262	46.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.46%	

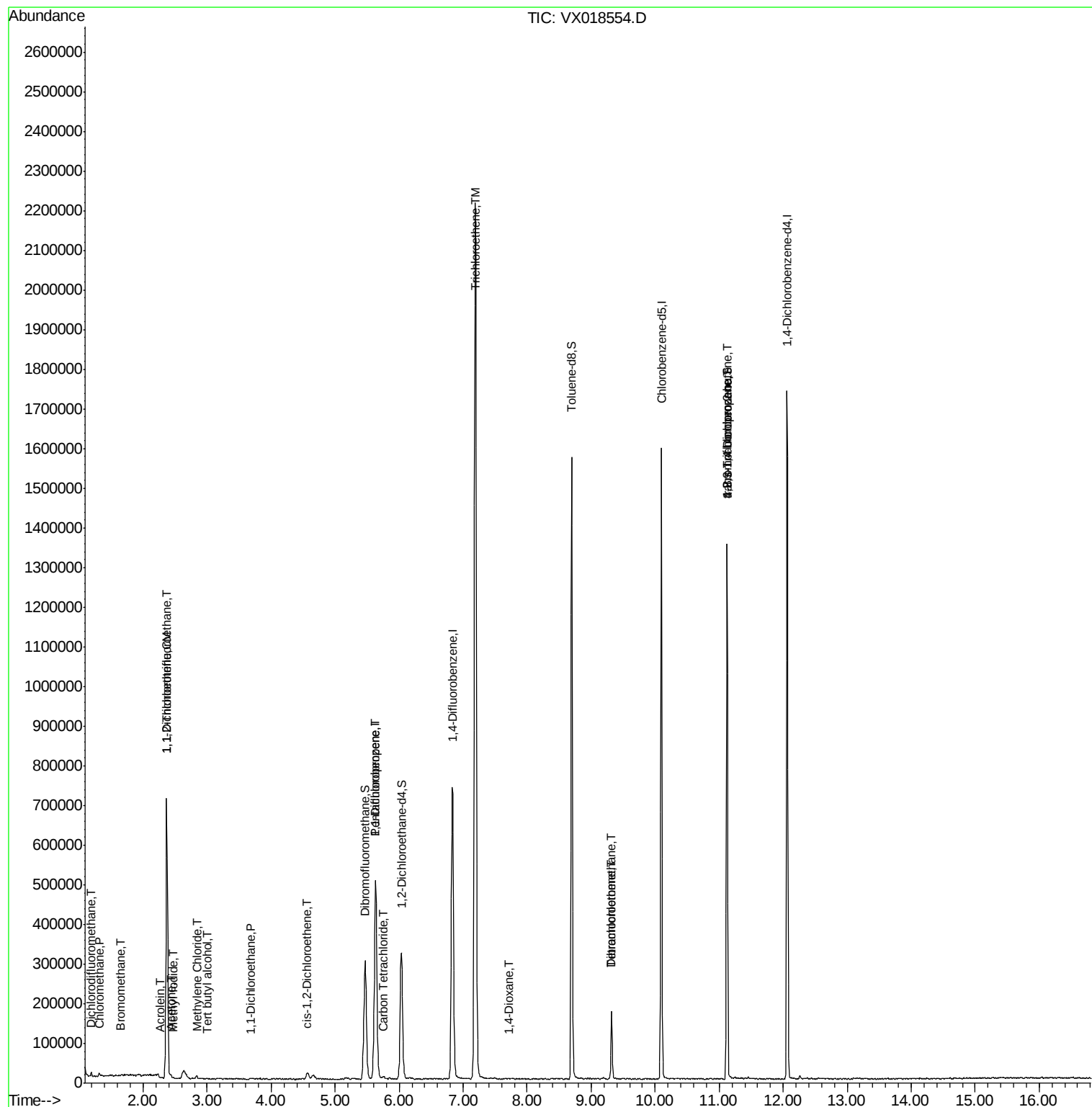
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1803	0.413	ug/l	85
3) Chloromethane	1.31	50	4922	0.962	ug/l	96
5) Bromomethane	1.64	94	967	0.291	ug/l #	69
9) 1,1,2-Trichlorotrifluoroet	2.37	101	279073	63.015	ug/l	99
10) Methyl Iodide	2.47	142	85	4.928	ug/l #	1
11) Tert butyl alcohol	3.00	59	888	0.783	ug/l #	1
12) 1,1-Dichloroethene	2.36	96	4900	1.098	ug/l #	58
13) Acrolein	2.26	56	417	0.580	ug/l #	1
16) Acetone	2.43	43	9517	3.816	ug/l	94
20) Methylene Chloride	2.84	84	4071	0.740	ug/l #	82
24) 1,1-Dichloroethane	3.68	63	2138	0.228	ug/l #	71
27) cis-1,2-Dichloroethene	4.57	96	10269	1.766	ug/l	89
36) 1,1-Dichloropropene	5.63	75	35944	5.102	ug/l #	52
38) Carbon Tetrachloride	5.75	117	3976	0.510	ug/l #	84
44) Trichloroethene	7.19	130	862919	147.633	ug/l	97
49) 1,4-Dioxane	7.71	88	217	2.161	ug/l #	69
60) Dibromochloromethane	9.32	129	32496	5.169	ug/l #	11
64) Tetrachloroethene	9.32	164	32846	5.876	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	175690	23.680	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	175690	60.679	ug/l #	12

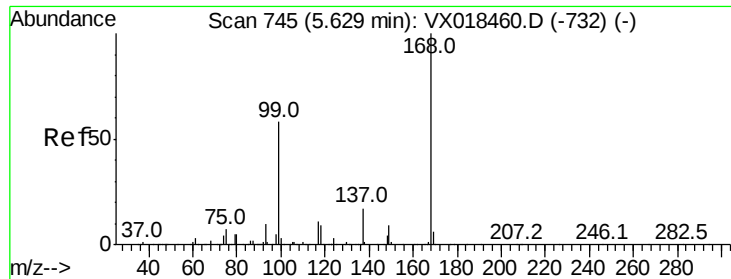
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092320\
Data File : VX018554.D
Acq On : 23 Sep 2020 22:52
Operator : JC/SP
Sample : L4083-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20200916

Quant Time: Sep 24 00:39:54 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: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

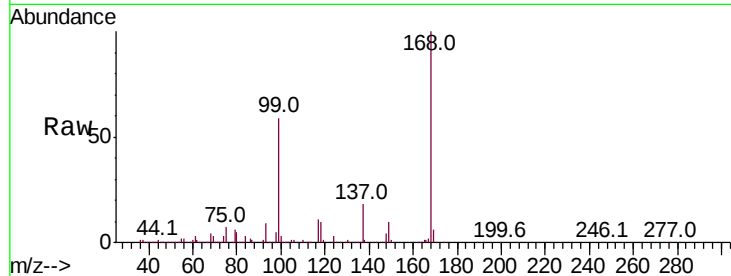
DUP02-20200916

Tot Ion:168 Resp: 460919

Ion Ratio Lower Upper

168 100

99 58.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

100000

50000

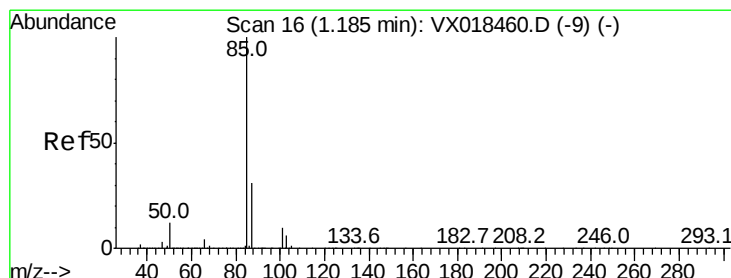
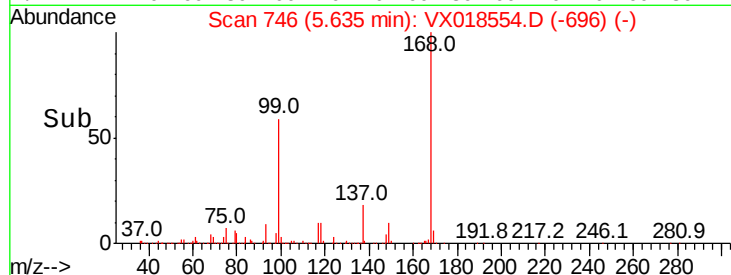
0

Time-->

5.50

5.60

5.70



#2

Dichlorodifluoromethane

Concen: 0.413 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX018554.D

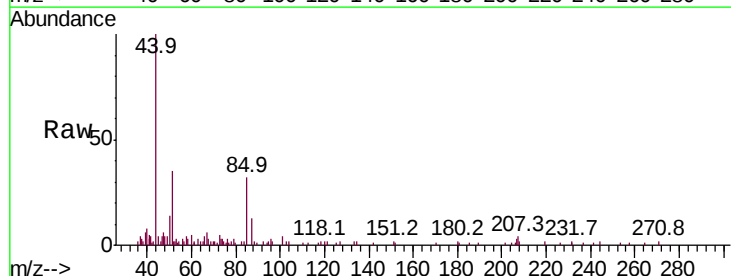
Acq: 23 Sep 2020 22:52

Tgt Ion: 85 Resp: 1803

Ion Ratio Lower Upper

85 100

87 39.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

2000

1500

1000

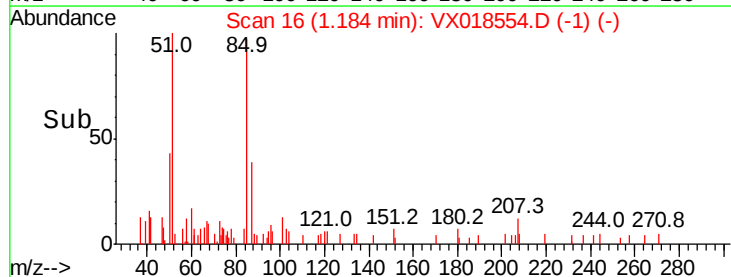
500

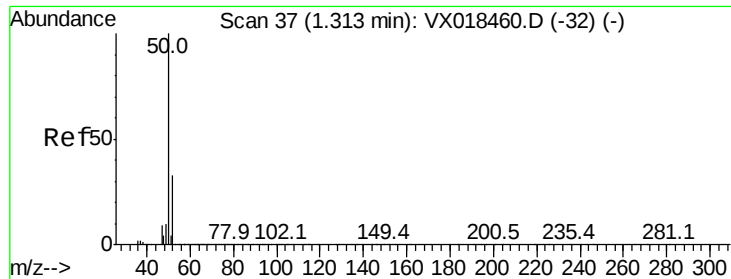
0

Time-->

1.15

1.20





#3

Chloromethane

Concen: 0.962 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

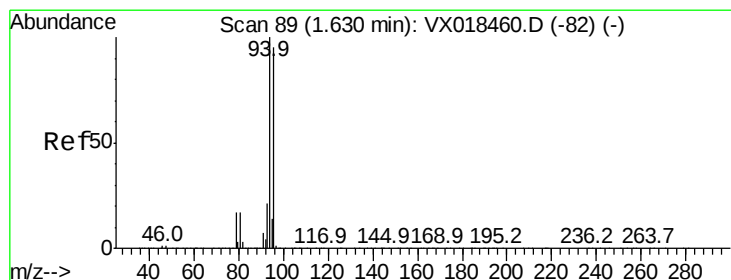
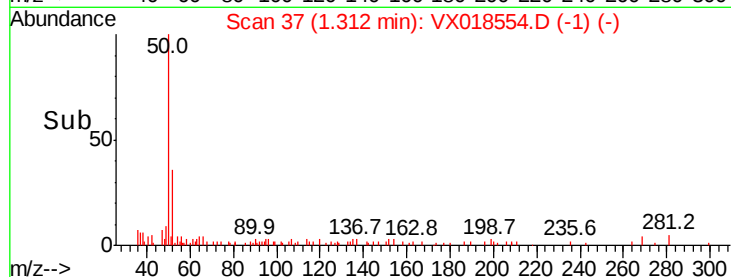
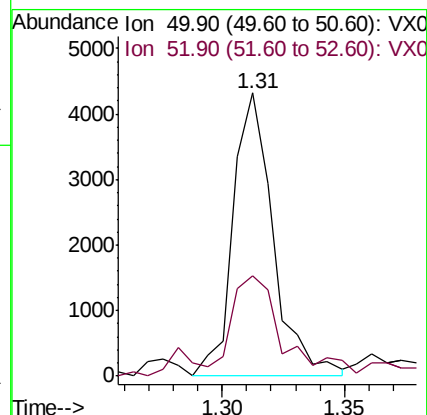
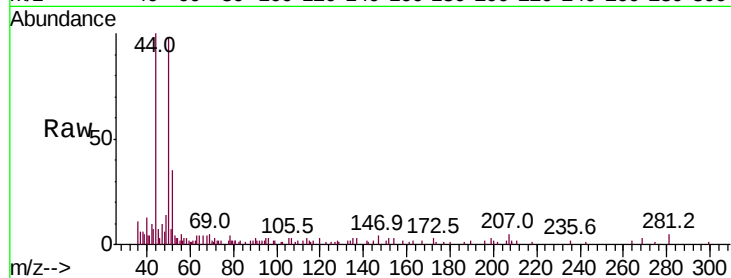
DUP02-20200916

Tot Ion: 50 Resp: 4922

Ion Ratio Lower Upper

50 100

52 31.1 26.6 40.0



#5

Bromomethane

Concen: 0.291 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018554.D

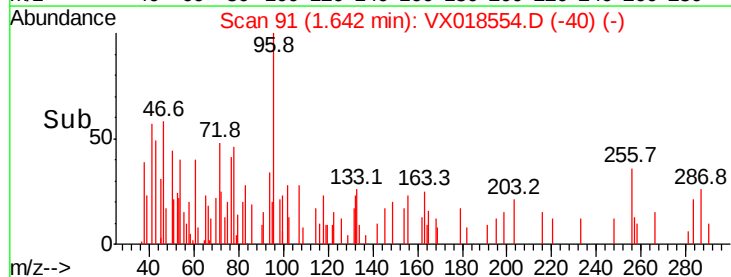
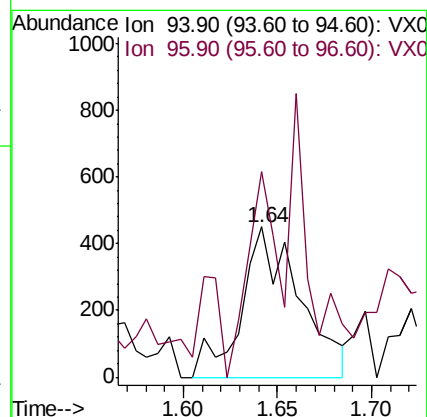
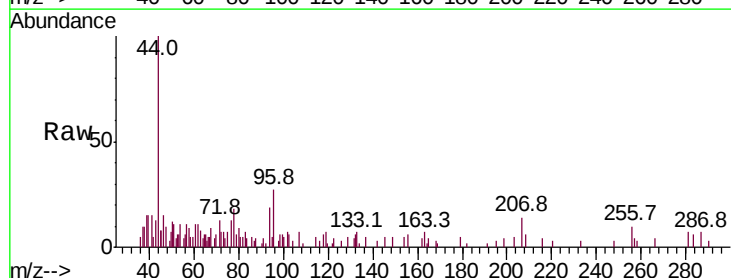
Acq: 23 Sep 2020 22:52

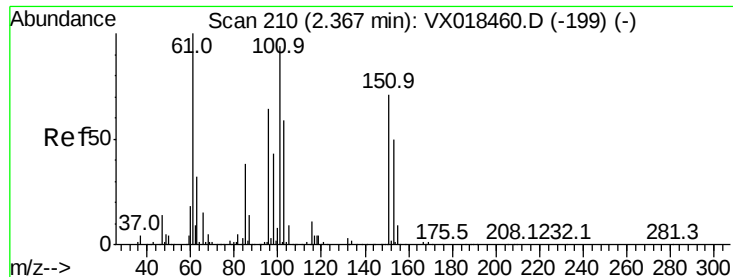
Tgt Ion: 94 Resp: 967

Ion Ratio Lower Upper

94 100

96 124.0 75.5 113.3#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 63.015 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20200916

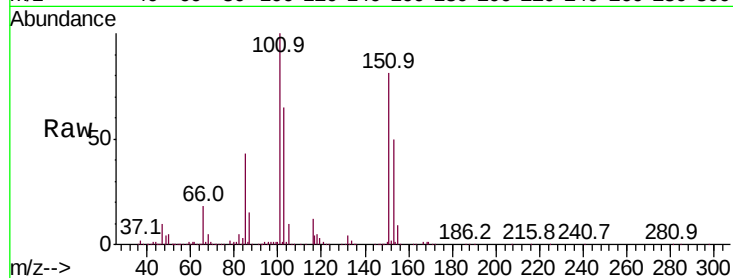
Tot Ion:101 Resp: 279073

Ion Ratio Lower Upper

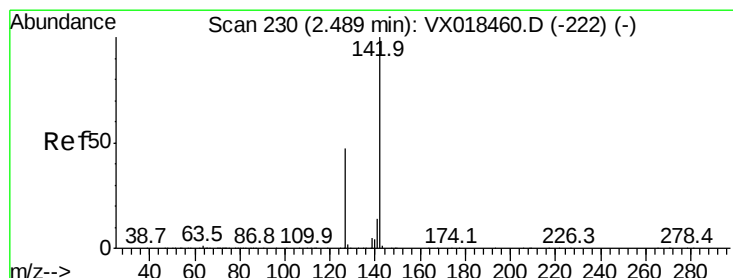
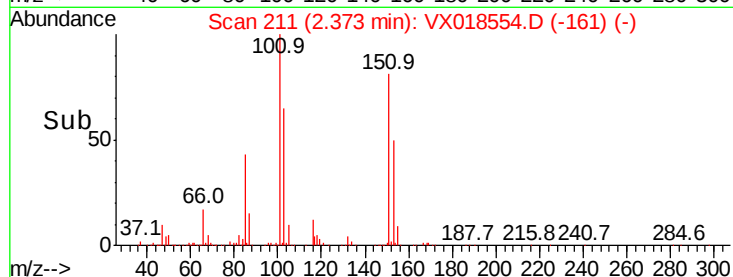
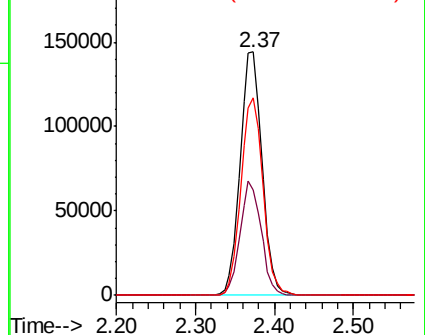
101 100

85 45.3 34.7 52.1

151 81.6 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: 4.928 ug/l

RT: 2.47 min Scan# 227

Delta R.T. -0.02 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

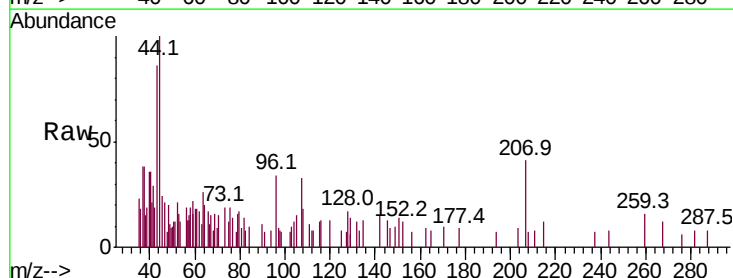
Tgt Ion:142 Resp: 85

Ion Ratio Lower Upper

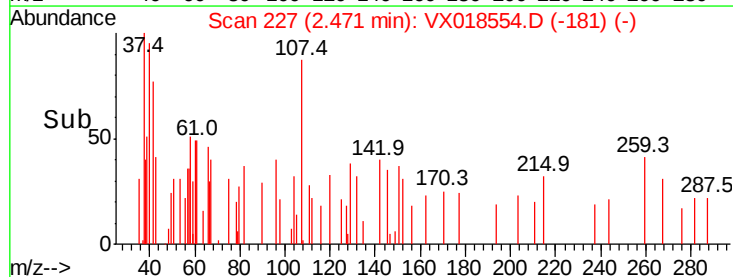
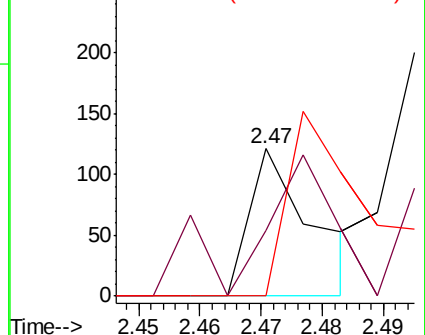
142 100

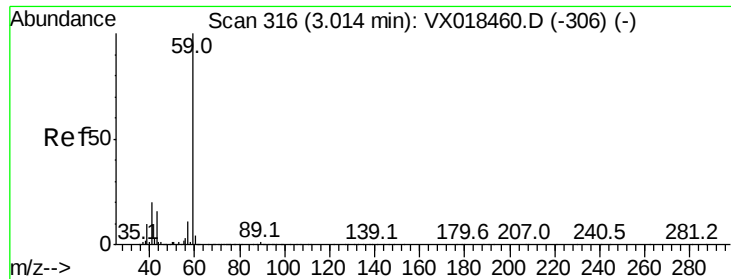
127 125.9 36.0 54.0#

141 181.2 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

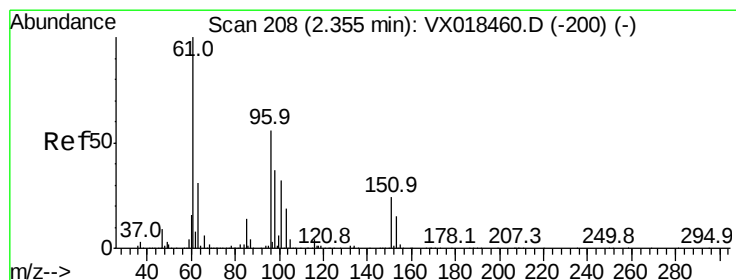
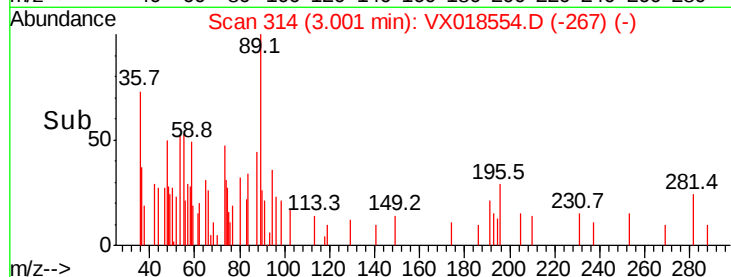
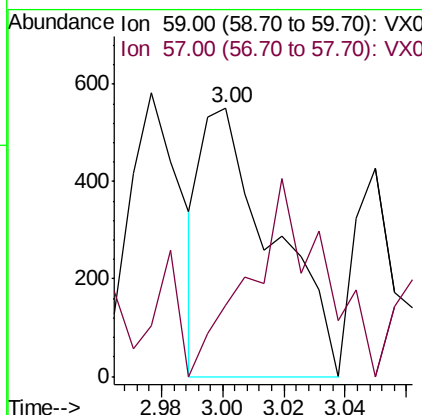
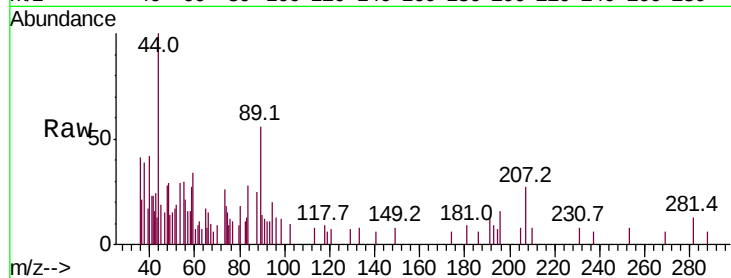




#11
Tert butyl alcohol
Concen: 0.783 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX018554.D
Acq: 23 Sep 2020 22:52

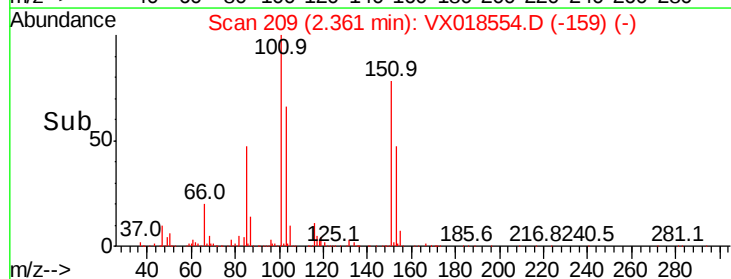
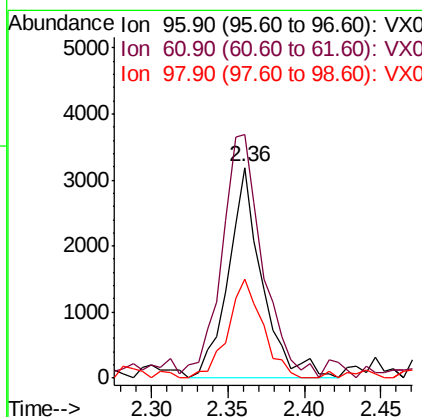
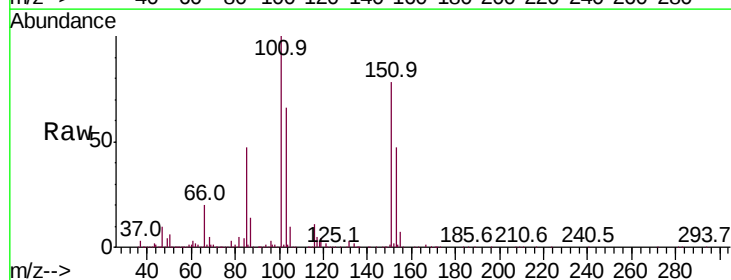
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20200916

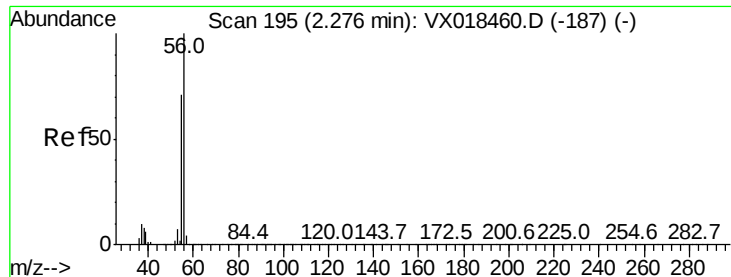
Tot Ion: 59 Resp: 888
Ion Ratio Lower Upper
59 100
57 75.7 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 1.098 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX018554.D
Acq: 23 Sep 2020 22:52

Tgt Ion: 96 Resp: 4900
Ion Ratio Lower Upper
96 100
61 109.5 142.2 213.4#
98 46.7 52.4 78.6#





#13

Acrolein

Concen: 0.580 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

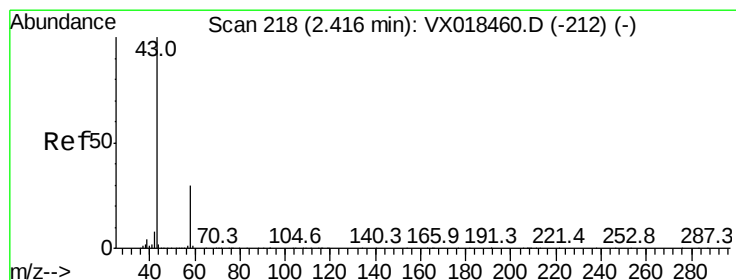
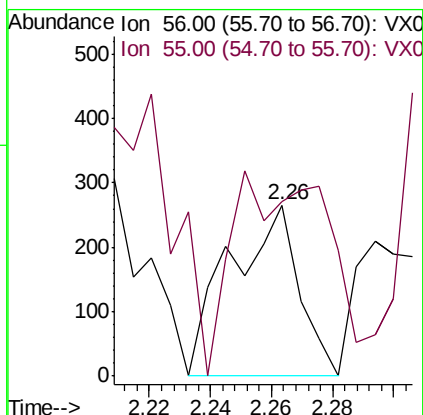
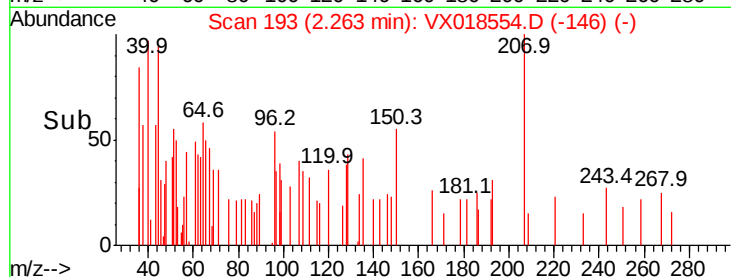
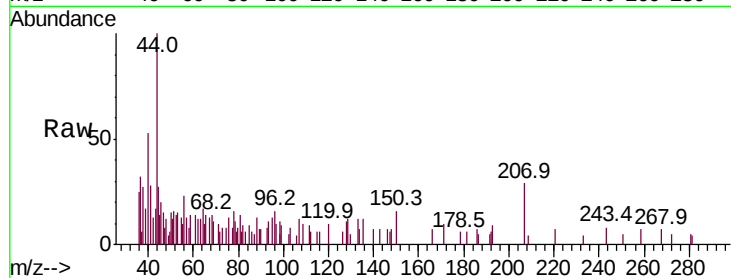
DUP02-20200916

Tot Ion: 56 Resp: 417

Ion Ratio Lower Upper

56 100

55 161.6 58.2 87.4#



#16

Acetone

Concen: 3.816 ug/l

RT: 2.43 min Scan# 221

Delta R.T. 0.02 min

Lab File: VX018554.D

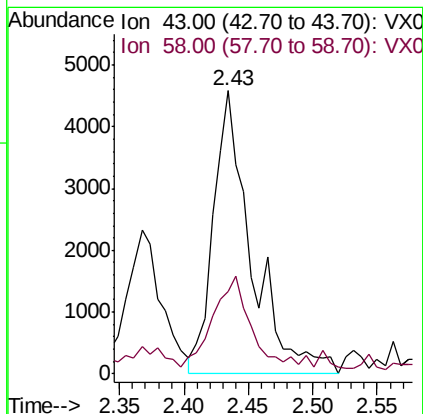
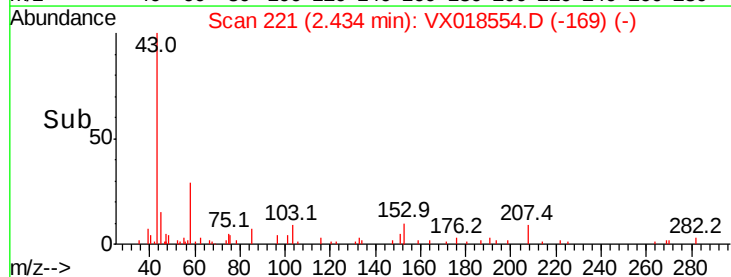
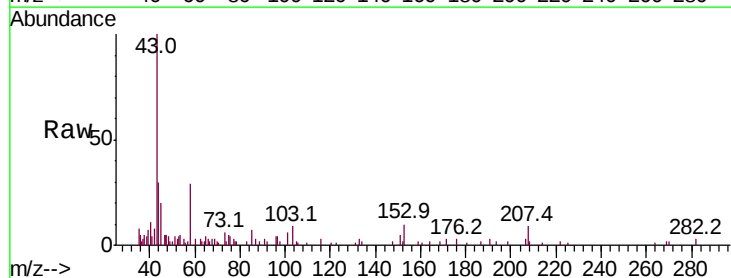
Acq: 23 Sep 2020 22:52

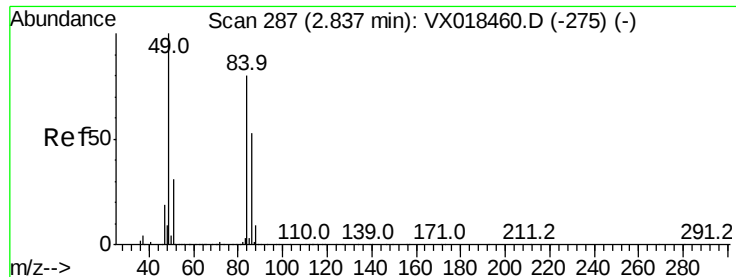
Tgt Ion: 43 Resp: 9517

Ion Ratio Lower Upper

43 100

58 26.8 24.0 36.0

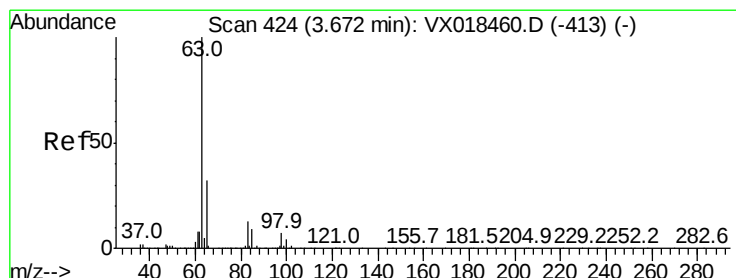
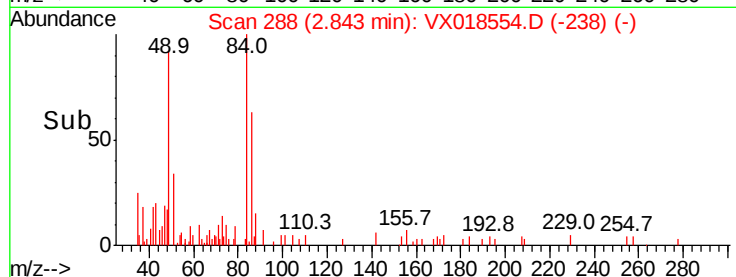
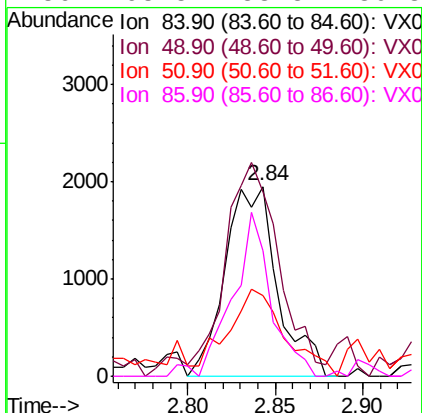
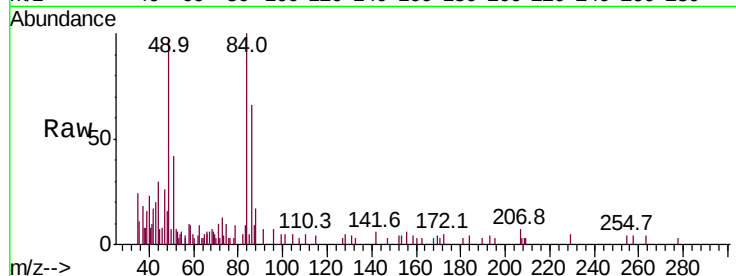




#20
Methvlene Chloride
Concen: 0.740 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018554.D
Acq: 23 Sep 2020 22:52

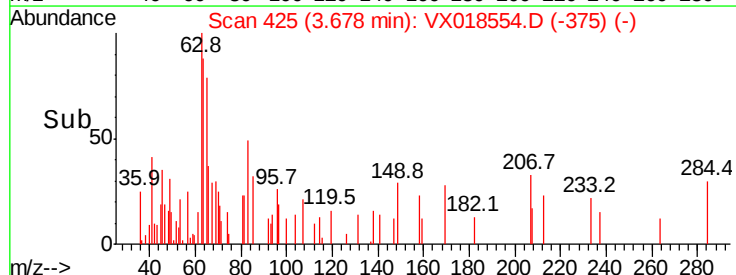
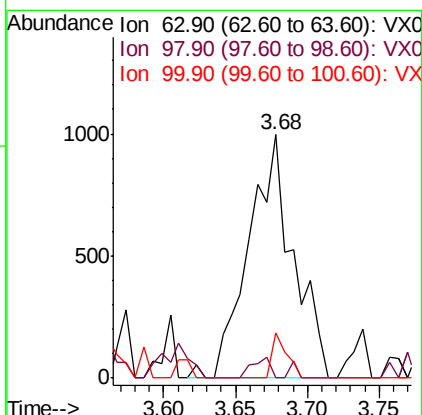
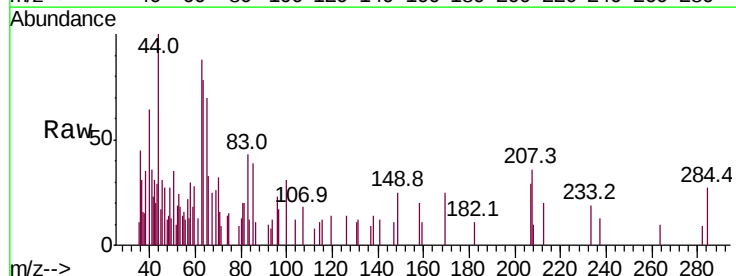
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20200916

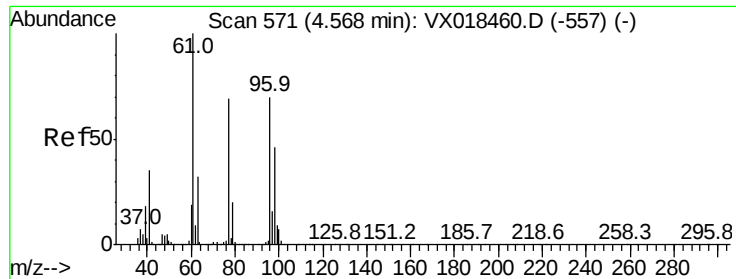
Tot Ion:	84	Resp:	4071
Ion	Ratio	Lower	Upper
84	100		
49	91.1	100.6	151.0#
51	38.9	30.9	46.3
86	63.5	53.5	80.3



#24
1,1-Dichloroethane
Concen: 0.228 ug/l
RT: 3.68 min Scan# 425
Delta R.T. 0.01 min
Lab File: VX018554.D
Acq: 23 Sep 2020 22:52

Tgt Ion:	63	Resp:	2138
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.5	10.6#
100	18.8	1.9	5.7#



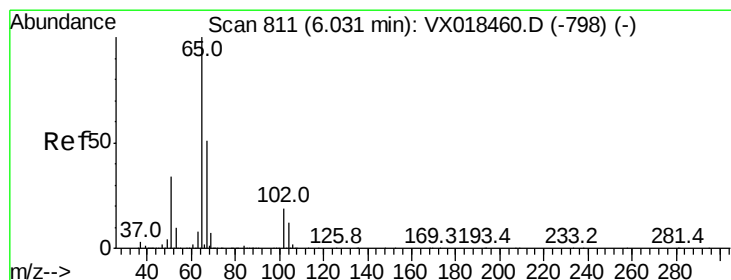
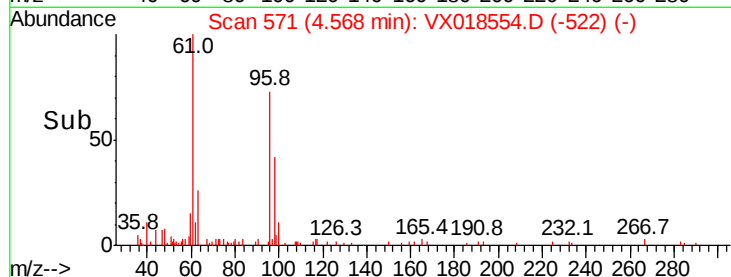
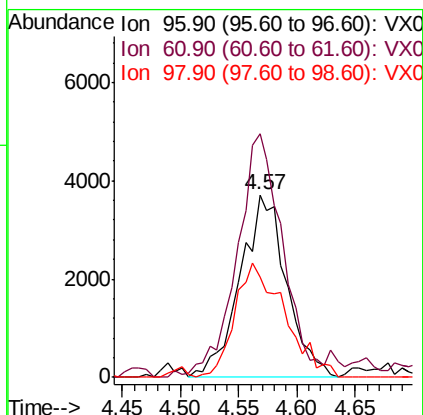
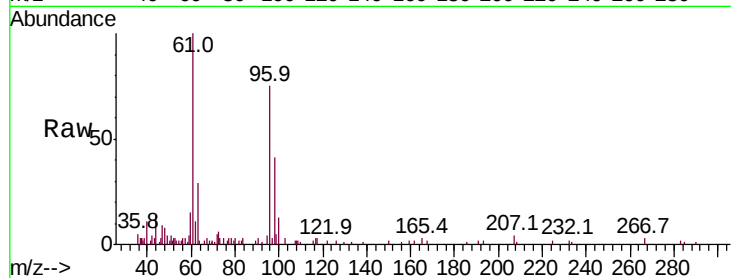


#27

cis-1,2-Dichloroethene
Concen: 1.766 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX018554.D
Acq: 23 Sep 2020 22:52

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20200916

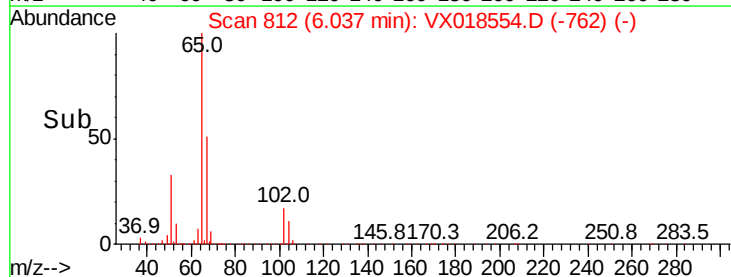
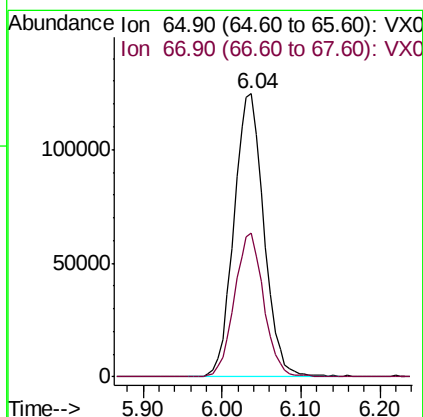
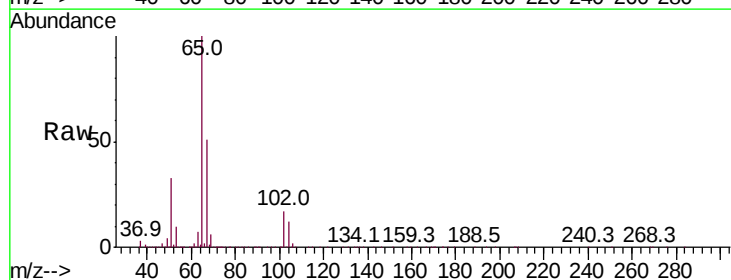
Tot Ion	96	Resp	10269
Ion	Ratio	Lower	Upper
96	100		
61	131.5	0.0	300.0
98	67.5	0.0	130.4

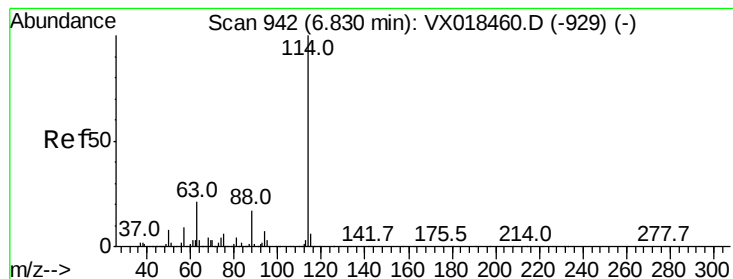


#33

1,2-Dichloroethane-d4
Concen: 50.288 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX018554.D
Acq: 23 Sep 2020 22:52

Tgt Ion	65	Resp	327896
Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20200916

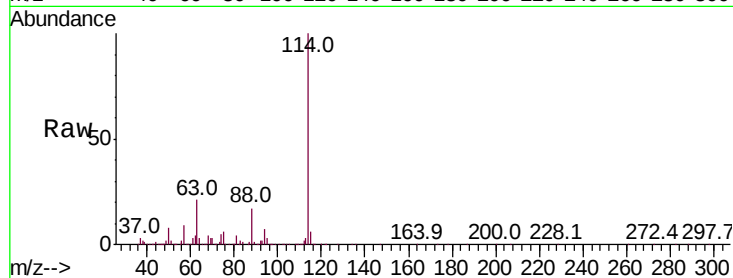
Tot Ion:114 Resp: 725876

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

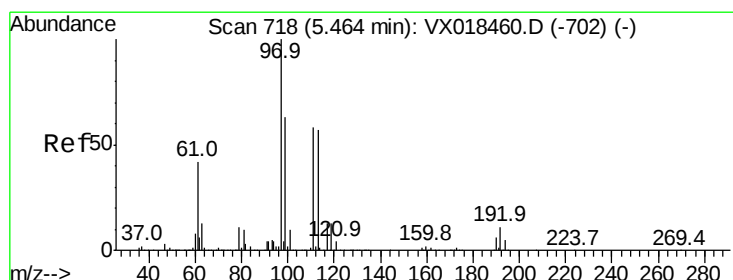
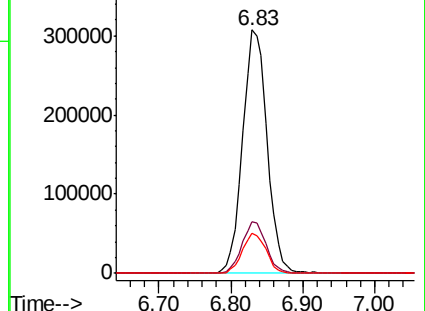
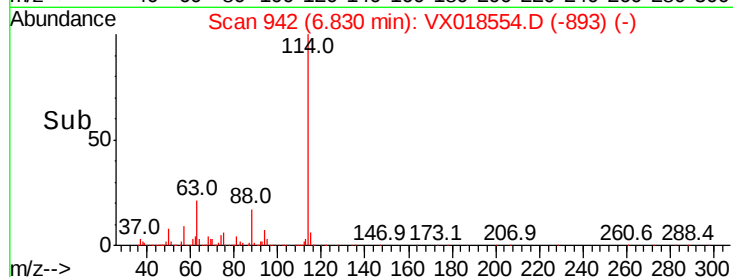
88 16.7 0.0 33.6



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: 51.547 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

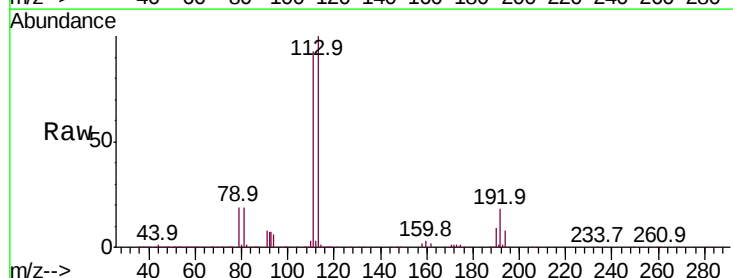
Tgt Ion:113 Resp: 258668

Ion Ratio Lower Upper

113 100

111 98.5 81.4 122.2

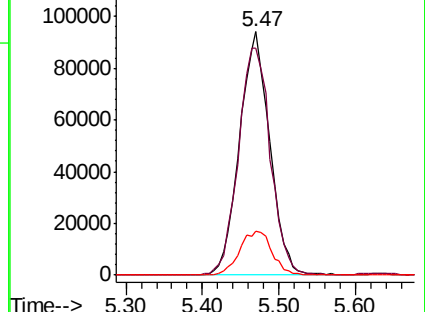
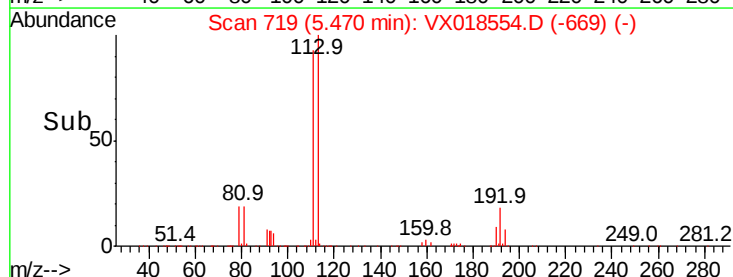
192 19.4 16.6 24.8

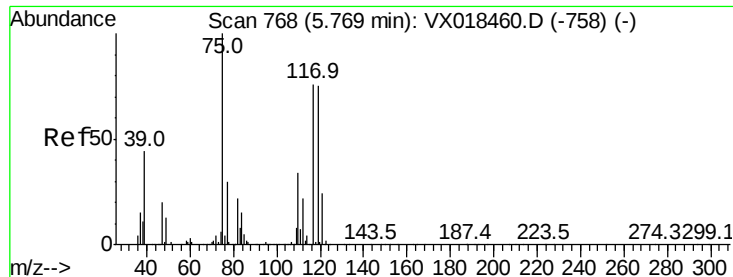


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.102 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20200916

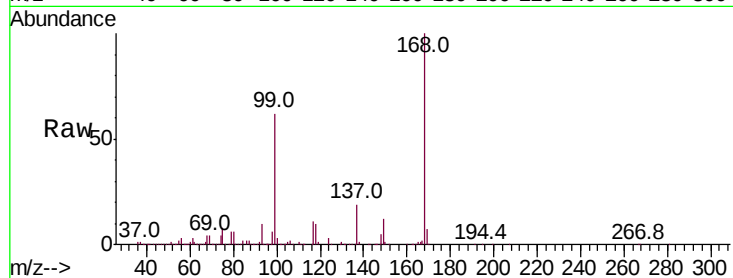
Tot Ion: 75 Resp: 35944

Ion Ratio Lower Upper

75 100

110 11.7 17.6 52.8#

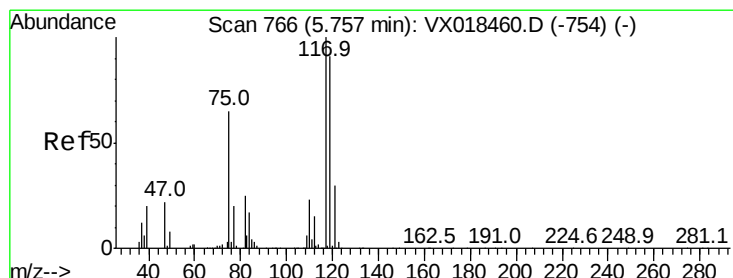
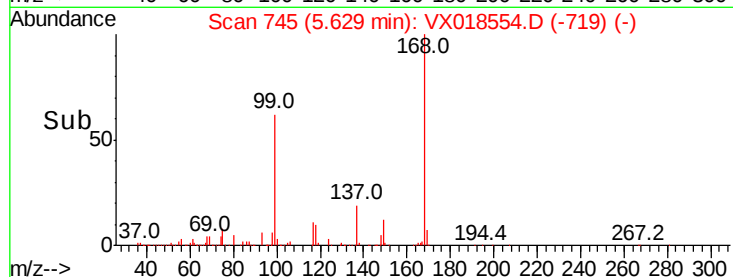
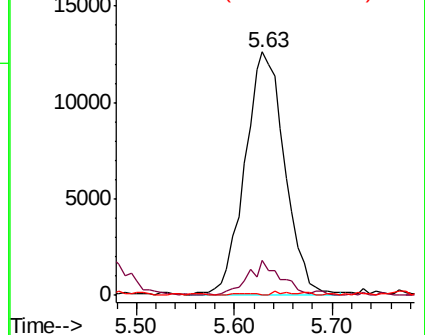
77 0.5 25.0 37.6#



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: 0.510 ug/l

RT: 5.75 min Scan# 765

Delta R.T. -0.01 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

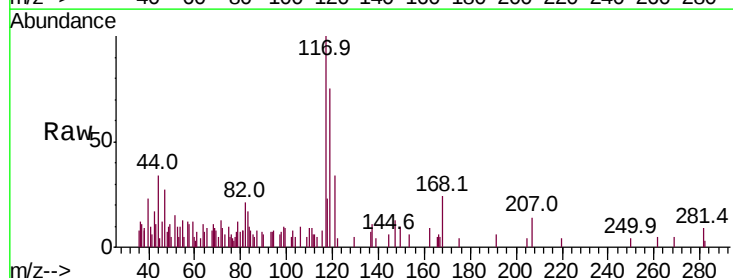
Tgt Ion: 117 Resp: 3976

Ion Ratio Lower Upper

117 100

119 70.1 72.3 108.5#

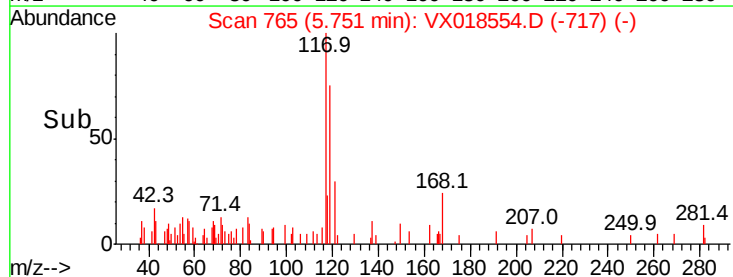
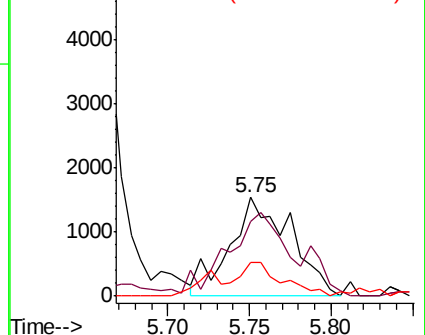
121 29.9 23.8 35.8

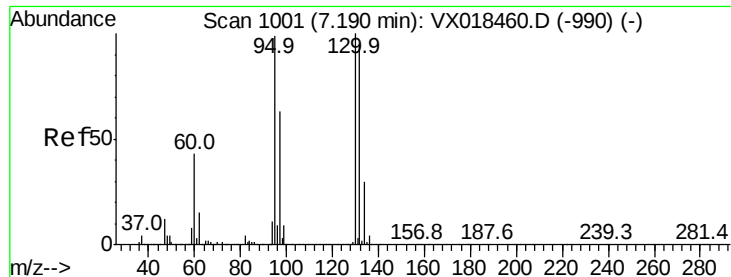


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 147.633 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

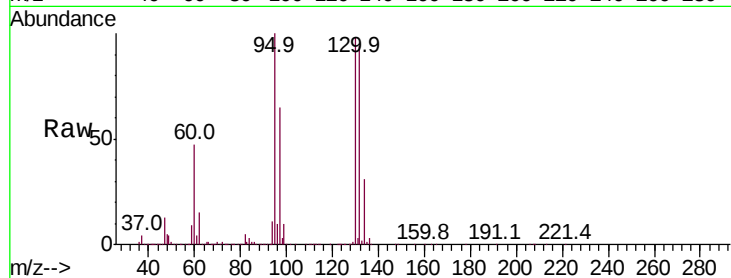
DUP02-20200916

Tot Ion:130 Resp: 862919

Ion Ratio Lower Upper

130 100

95 101.7 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

400000

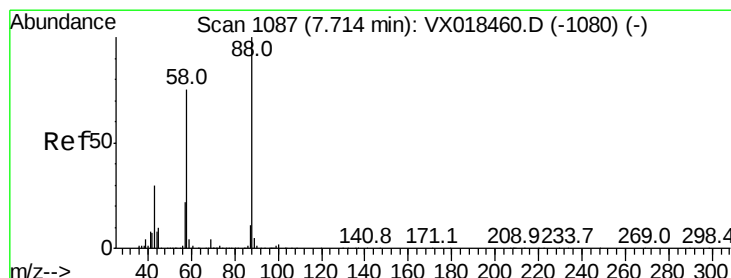
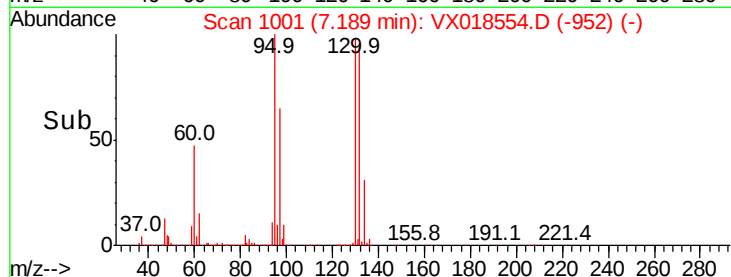
300000

200000

100000

0

Time-->



#49

1,4-Dioxane

Concen: 2.161 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

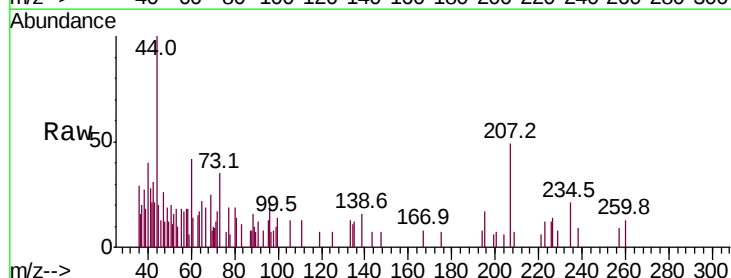
Tgt Ion: 88 Resp: 217

Ion Ratio Lower Upper

88 100

43 54.8 29.9 44.9#

58 100.9 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

500

400

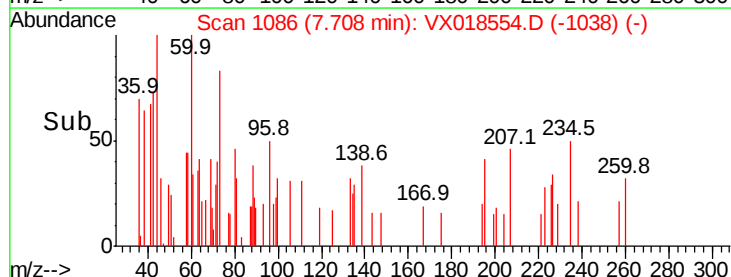
300

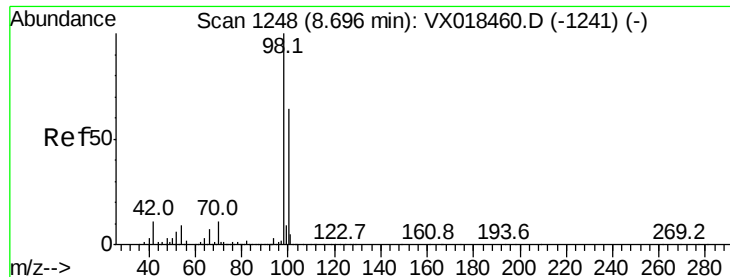
200

100

0

Time-->





#50

Toluene-d8

Concen: 49.187 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

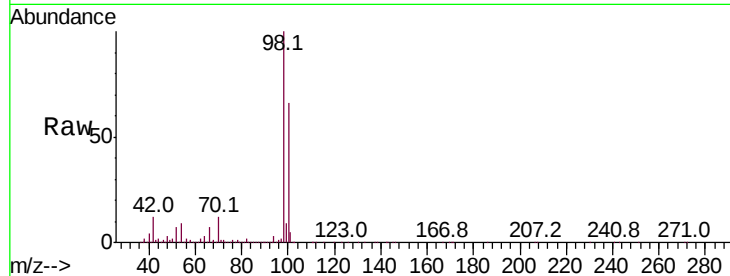
DUP02-20200916

Tot Ion: 98 Resp: 896788

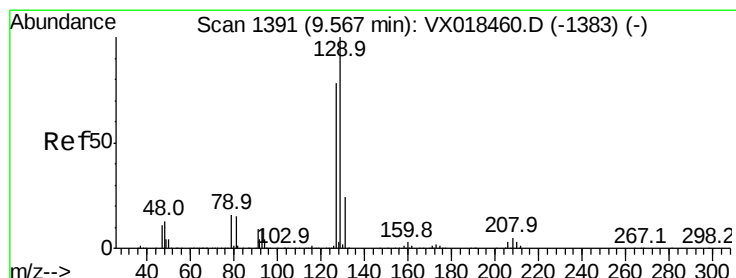
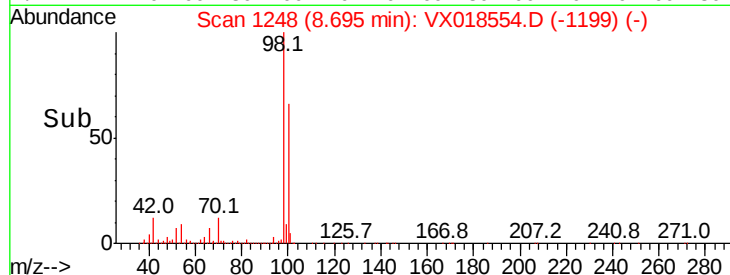
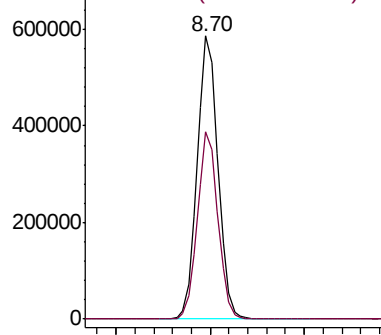
Ion Ratio Lower Upper

98 100

100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX018460.D (-1241) (-)



#60

Dibromochloromethane

Concen: 5.169 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX018554.D

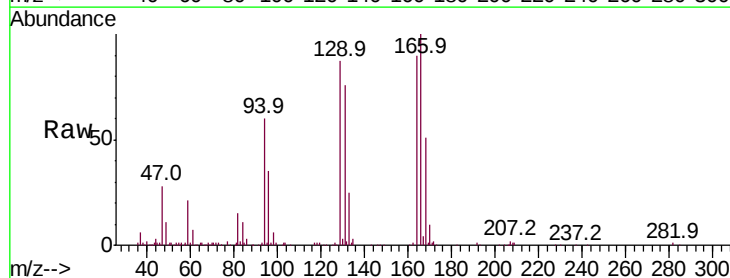
Acq: 23 Sep 2020 22:52

Tgt Ion: 129 Resp: 32496

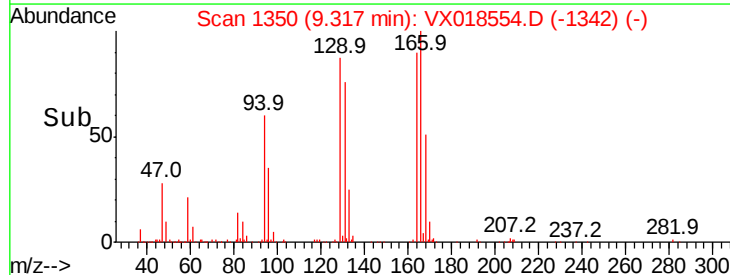
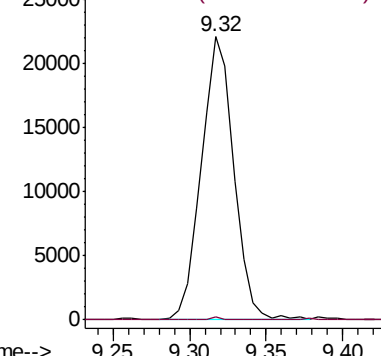
Ion Ratio Lower Upper

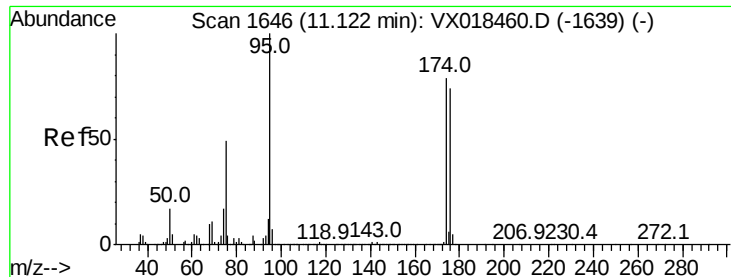
129 100

127 0.4 39.0 117.0#



Abundance Ion 128.80 (128.50 to 129.50): VX018460.D (-1383) (-)





#62

4-Bromofluorobenzene

Concen: 46.228 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20200916

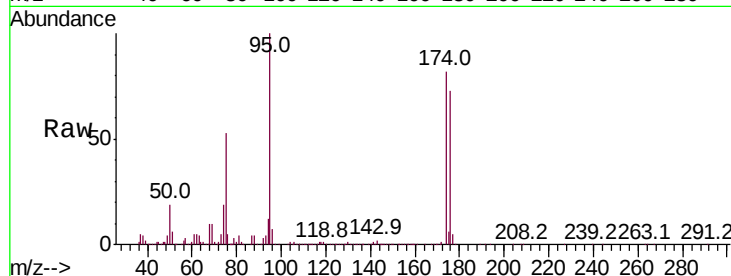
Tot Ion: 95 Resp: 335262

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.4

176 76.2 0.0 151.4

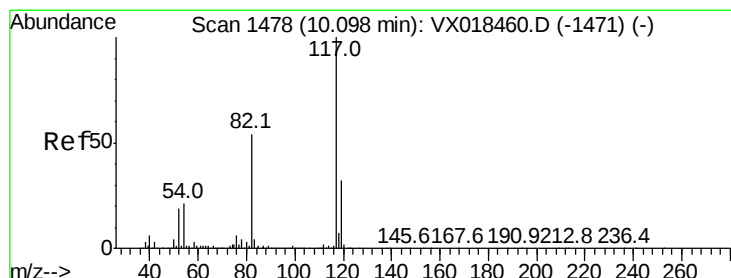
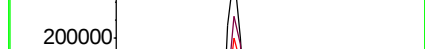
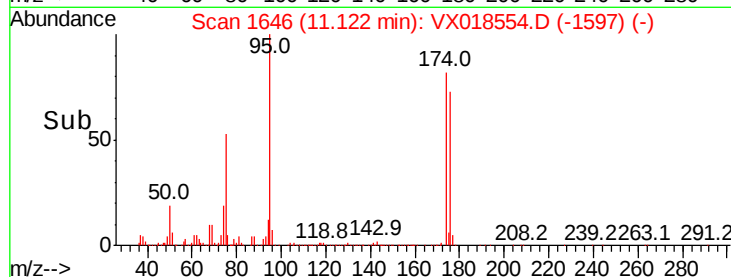


Abundance Ion 94.90 (94.60 to 95.60): VX018460.D (-1639) (-)

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

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

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

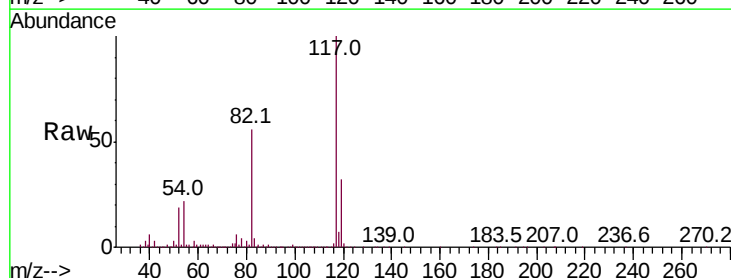
Tgt Ion: 117 Resp: 710059

Ion Ratio Lower Upper

117 100

82 56.0 43.3 64.9

119 32.0 25.9 38.9

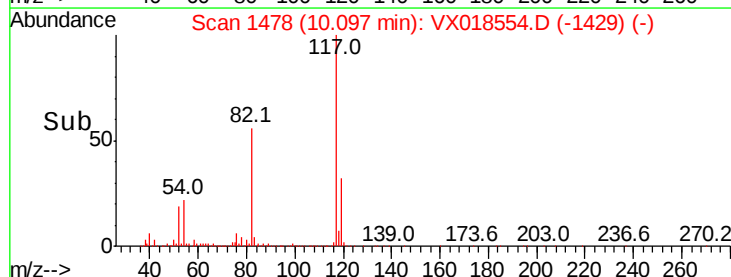


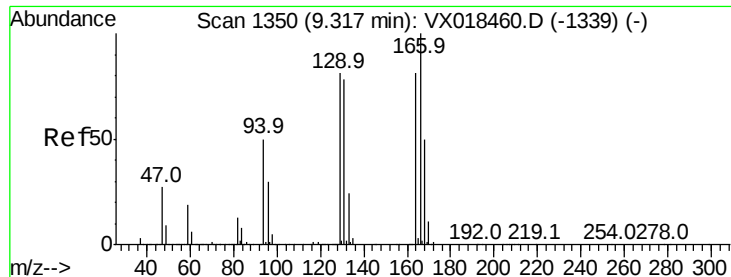
Abundance Ion 116.90 (116.60 to 117.60): VX018460.D (-1471) (-)

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

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

Time-->





#64

Tetrachloroethene

Concen: 5.876 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20200916

Tot Ion:164 Resp: 32846

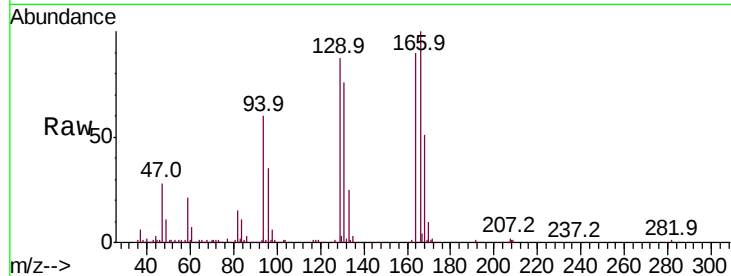
Ion Ratio Lower Upper

164 100

166 111.7 99.3 148.9

129 97.5 80.7 121.1

131 85.4 77.2 115.8



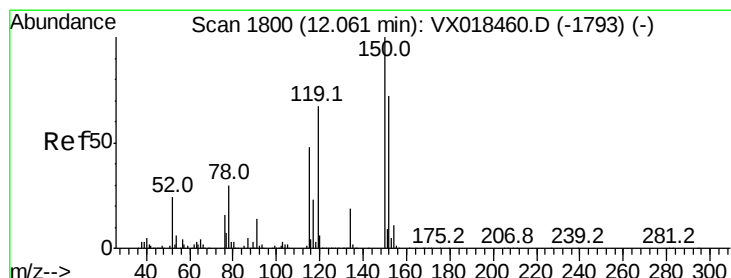
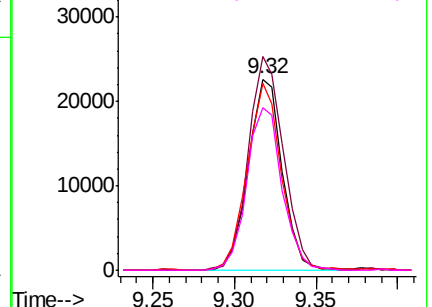
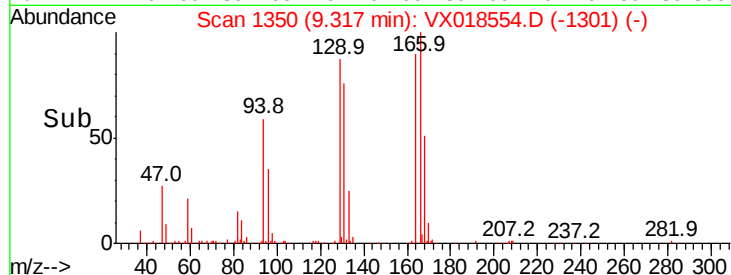
Abundance

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: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

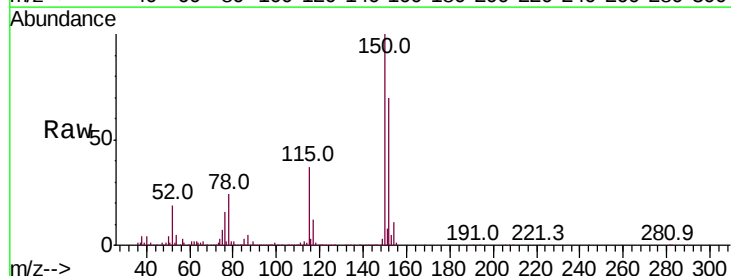
Tgt Ion:152 Resp: 353065

Ion Ratio Lower Upper

152 100

115 59.7 41.8 125.4

150 157.7 0.0 342.4

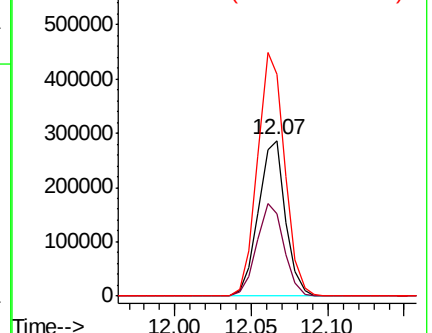
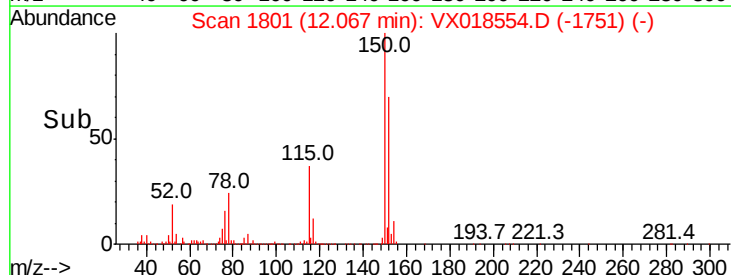


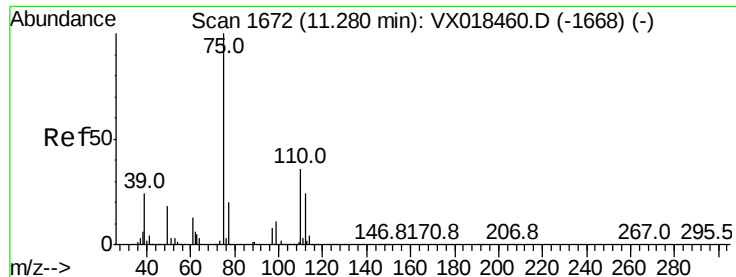
Abundance

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: 23.680 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

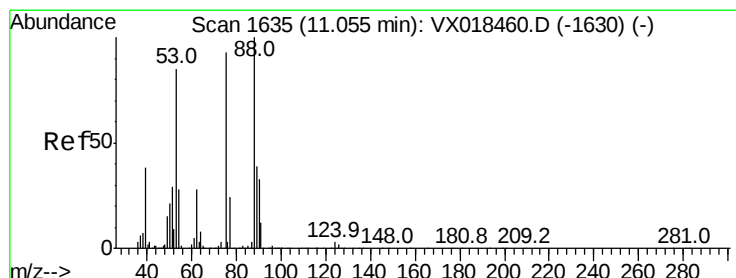
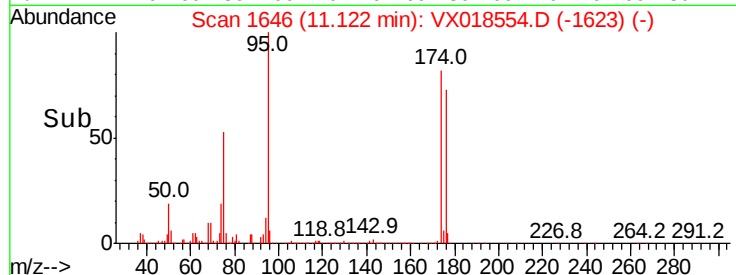
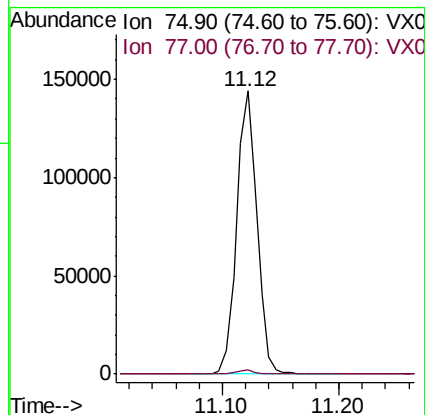
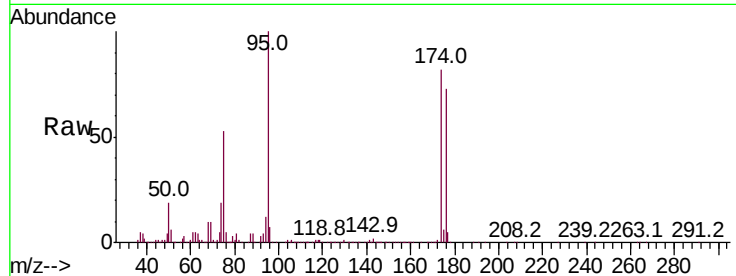
DUP02-20200916

Tot Ion: 75 Resp: 175690

Ion Ratio Lower Upper

75 100

77 1.5 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.679 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Tgt Ion: 75 Resp: 175690

Ion Ratio Lower Upper

75 100

53 0.2 74.6 111.8#

89 0.1 36.2 54.4#

