

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081722\
 Data File : VX030661.D
 Acq On : 17 Aug 2022 15:38
 Operator : JC/MD
 Sample : N4221-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 04:23:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 18 04:21:09 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	169046	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	157353	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	70876	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	121348	111.781	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	= 223.560%#		
7) Chloroethane-d5	1.666	69	91182	119.148	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	= 238.300%#		
11) 1,1-Dichloroethene-d2	2.319	63	845030	411.509	ug/L	0.01
Spiked Amount	50.000	Range 60 - 125	Recovery	= 823.020%#		
21) 2-Butanone-d5	4.465	46	186054	184.972	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	= 184.970%#		
24) Chloroform-d	5.068	84	227542	101.822	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 203.640%#		
26) 1,2-Dichloroethane-d4	5.964	65	147802	97.406	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 194.820%#		
32) Benzene-d6	5.977	84	478552	106.172	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 212.340%#		
36) 1,2-Dichloropropane-d6	7.312	67	156704	107.157	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	= 214.320%#		
41) Toluene-d8	8.653	98	436514	102.742	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 205.480%#		
43) trans-1,3-Dichloroprop...	8.952	79	67206	92.379	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 184.760%#		
47) 2-Hexanone-d5	9.384	63	140621	188.652	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	= 188.650%#		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	193118	100.525	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	= 201.060%#		
66) 1,2-Dichlorobenzene-d4	12.323	152	142667	103.779	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 207.560%#		
Target Compounds						
						Qvalue
5) Vinyl chloride	1.374	62	89945	76.987	ug/L	99
6) Bromomethane	1.611	94	584	1.064	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	4675	4.552	ug/L #	29
12) 1,1-Dichloroethene	2.319	96	1282605	1355.582	ug/L #	52
13) Acetone	2.386	43	2119	2.874	ug/L	90
17) trans-1,2-Dichloroethene	3.093	96	3417	3.117	ug/L	97
19) 1,1-Dichloroethane	3.617	63	230407	108.678	ug/L	99
20) cis-1,2-Dichloroethene	4.495	96	604573	490.296	ug/L	92
27) 1,2-Dichloroethane	6.098	62	13413	7.235	ug/L	98
30) 1,1,1-Trichloroethane	5.391	97	10908	5.255	ug/L #	89
33) Benzene	6.044	78	7101	1.408	ug/L	100
34) Trichloroethene	7.141	95	7337564	5021.646	ug/L	86
39) cis-1,3-Dichloropropene	8.324	75	4538	2.268	ug/L	83
44) trans-1,3-Dichloropropene	8.952	75	2805	1.432	ug/L #	71
45) 1,1,2-Trichloroethane	9.159	97	1497	1.200	ug/L	93
46) Tetrachloroethene	9.281	164	1247135	1350.514	ug/L	98

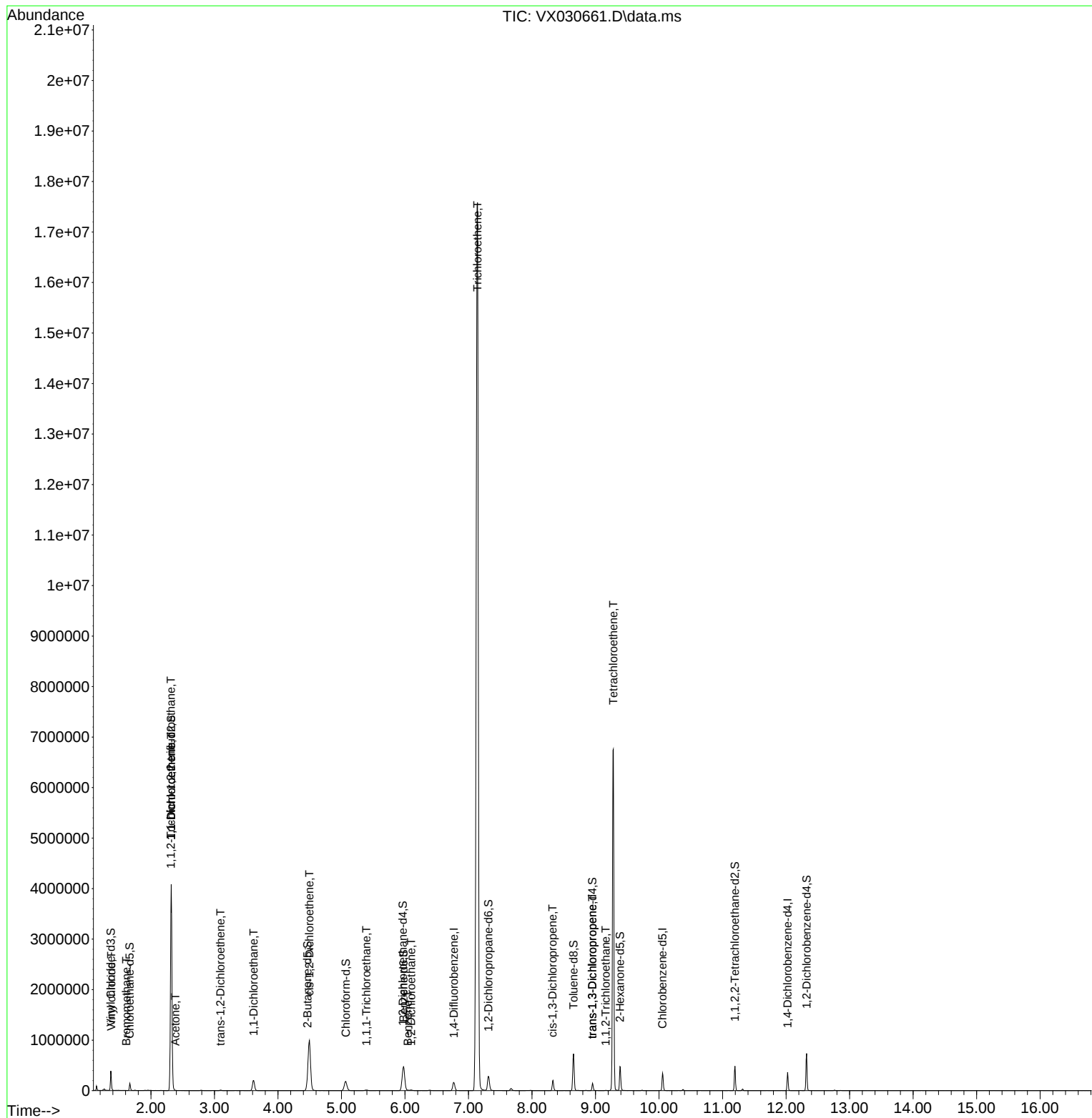
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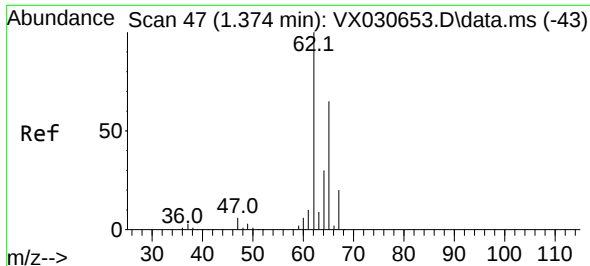
Instrument :
MSVOA_X
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081722\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM080422WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 18 04:21:09 2022
Response via : Initial Calibration

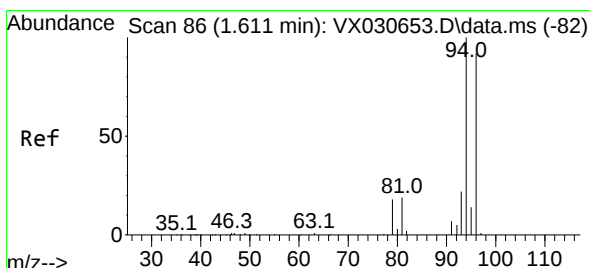
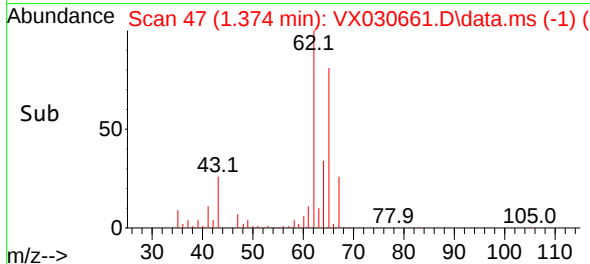
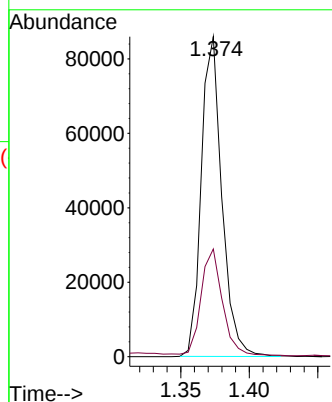
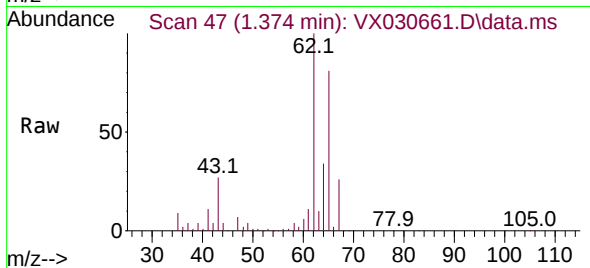




#5
 Vinyl chloride
 Concen: 76.987 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: VX030661.D
 Acq: 17 Aug 2022 15:38

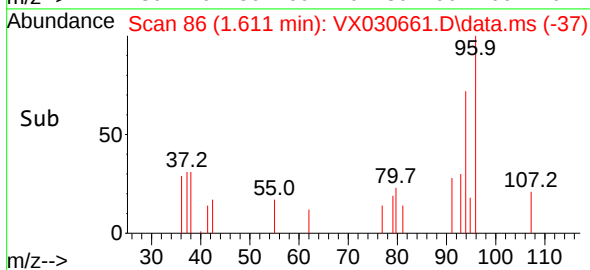
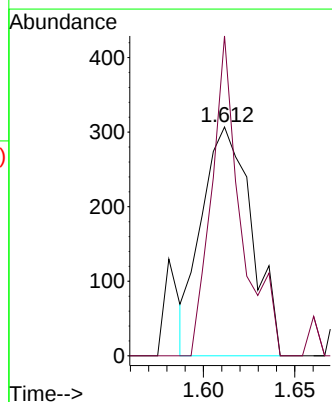
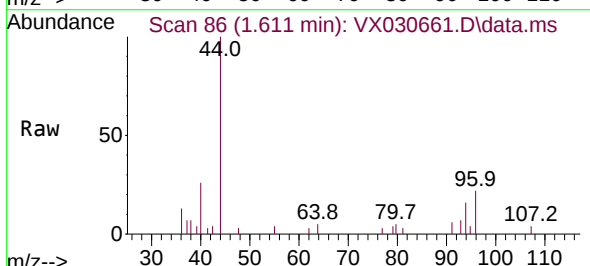
Instrument :
 MSVOA_X
 ClientSampleId :

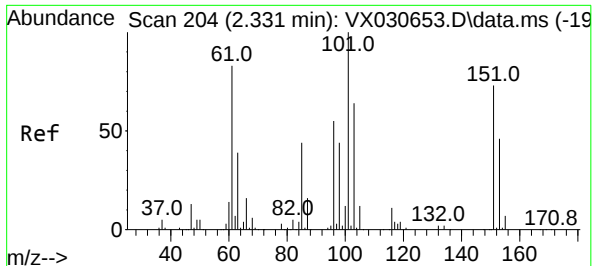
Tgt Ion: 62 Resp: 89945
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.8 44.2



#6
 Bromomethane
 Concen: 1.064 ug/L
 RT: 1.611 min Scan# 86
 Delta R.T. 0.000 min
 Lab File: VX030661.D
 Acq: 17 Aug 2022 15:38

Tgt Ion: 94 Resp: 584
 Ion Ratio Lower Upper
 94 100
 96 139.7 63.8 118.6#

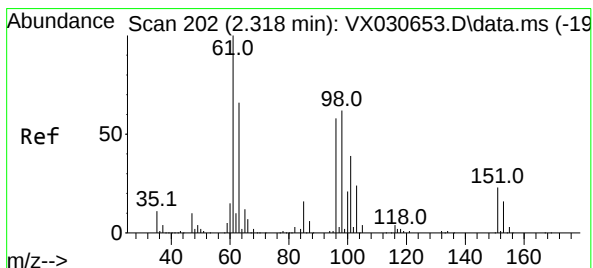
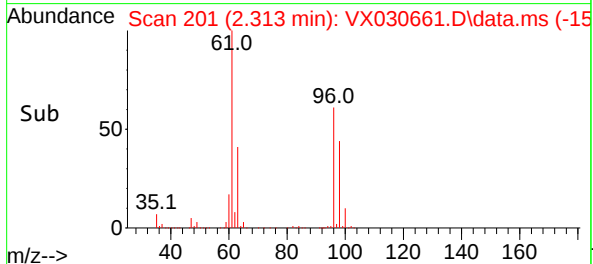
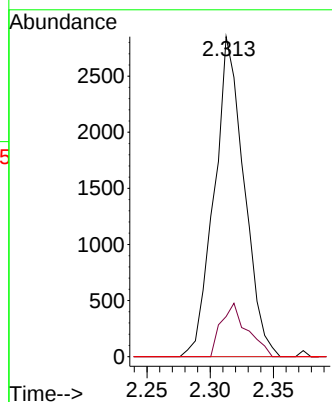
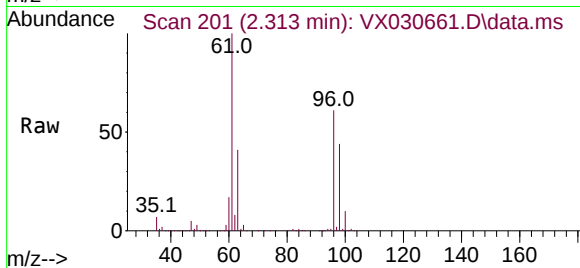




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.552 ug/L
 RT: 2.313 min Scan# 201
 Delta R.T. -0.018 min
 Lab File: VX030661.D
 Acq: 17 Aug 2022 15:38

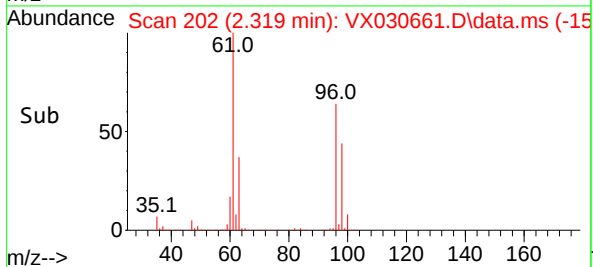
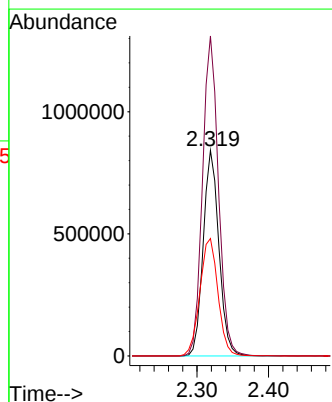
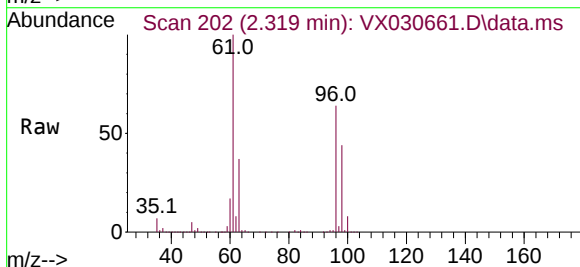
Instrument :
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 ClientSampleId :

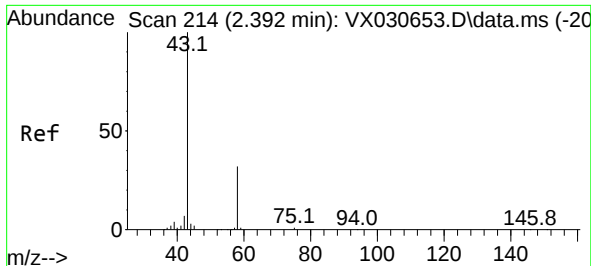
Tgt Ion:101 Resp: 4675
 Ion Ratio Lower Upper
 101 100
 85 14.5 35.3 52.9#
 151 0.0 58.3 87.5#



#12
 1,1-Dichloroethene
 Concen: 1355.582 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX030661.D
 Acq: 17 Aug 2022 15:38

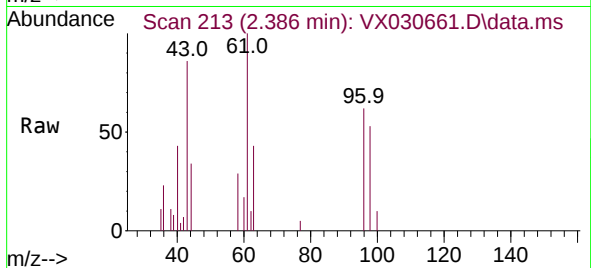
Tgt Ion: 96 Resp: 1282605
 Ion Ratio Lower Upper
 96 100
 61 155.7 130.2 241.8
 63 57.1 113.5 210.9#



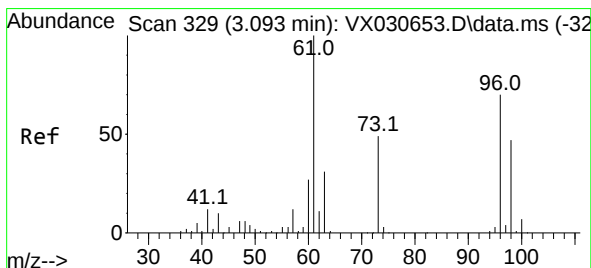
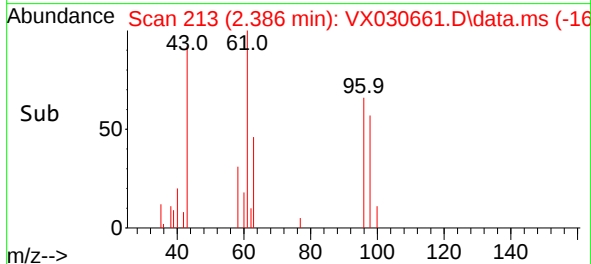
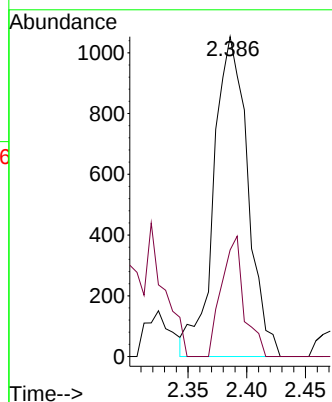


#13
Acetone
Concen: 2.874 ug/L
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030661.D
Acq: 17 Aug 2022 15:38

Instrument :
MSVOA_X
ClientSampleId :

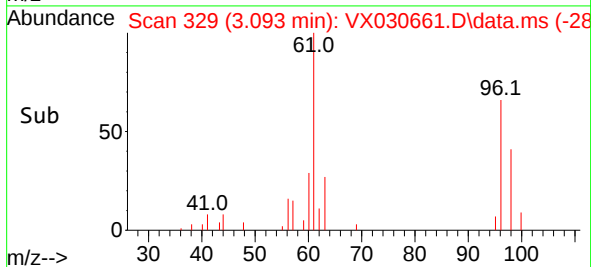
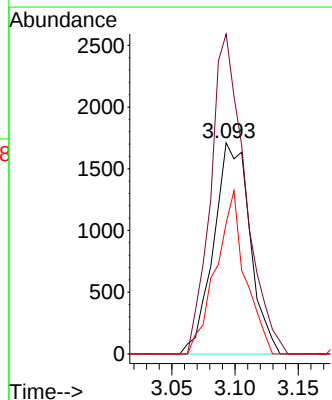
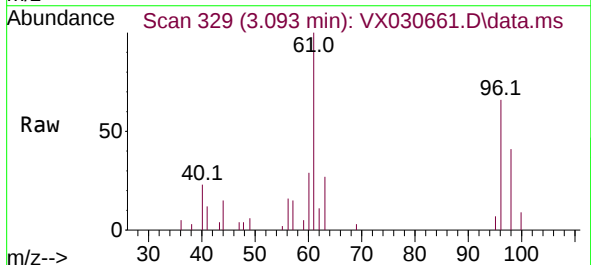


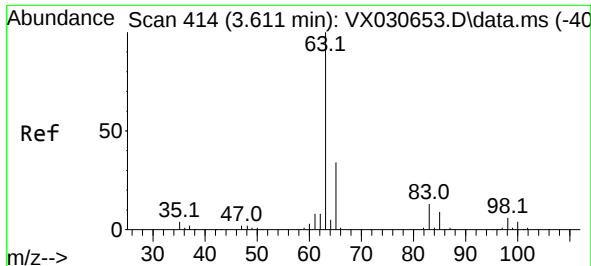
Tgt Ion: 43 Resp: 2119
Ion Ratio Lower Upper
43 100
58 23.6 0.0 57.8



#17
trans-1,2-Dichloroethene
Concen: 3.117 ug/L
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX030661.D
Acq: 17 Aug 2022 15:38

Tgt Ion: 96 Resp: 3417
Ion Ratio Lower Upper
96 100
61 151.5 103.7 192.5
98 61.8 41.5 77.1





#19

1,1-Dichloroethane

Concen: 108.678 ug/L

RT: 3.617 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX030661.D

Acq: 17 Aug 2022 15:38

Instrument :

MSVOA_X

ClientSampleId :

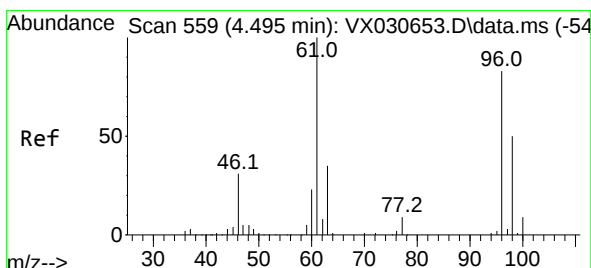
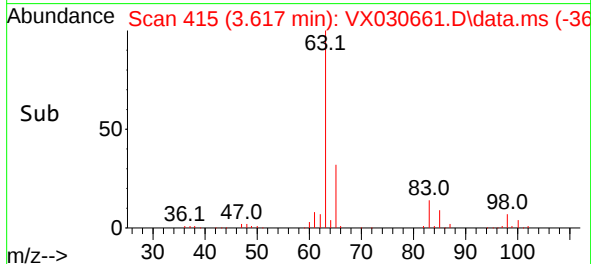
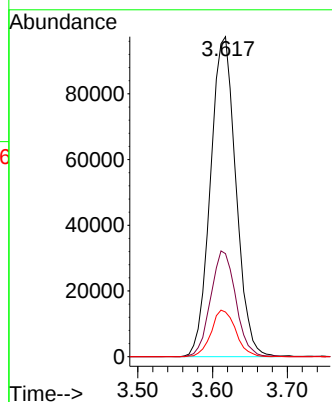
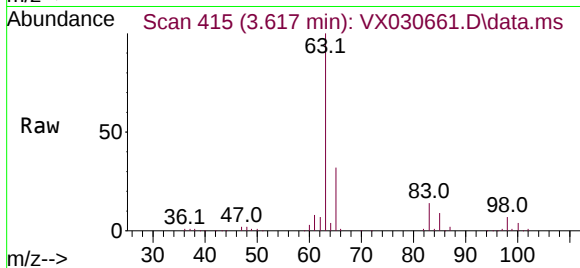
Tgt Ion: 63 Resp: 230407

Ion Ratio Lower Upper

63 100

65 32.2 22.0 40.8

83 14.0 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 490.296 ug/L

RT: 4.495 min Scan# 559

Delta R.T. 0.000 min

Lab File: VX030661.D

Acq: 17 Aug 2022 15:38

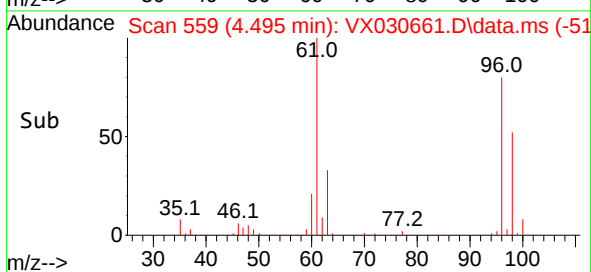
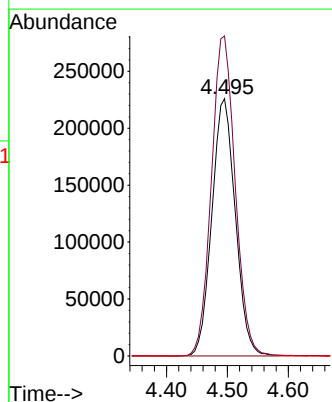
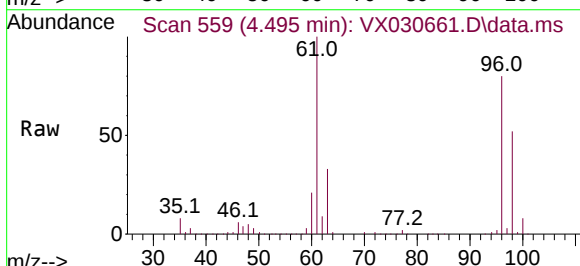
Tgt Ion: 96 Resp: 604573

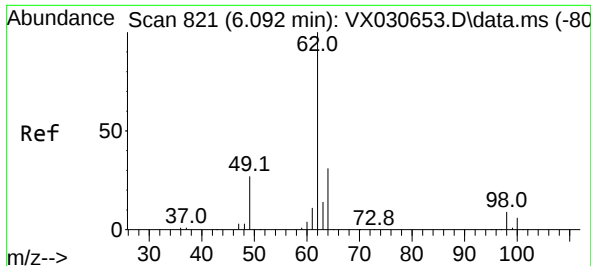
Ion Ratio Lower Upper

96 100

61 124.4 94.0 174.6

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 7.235 ug/L

RT: 6.098 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX030661.D

Acq: 17 Aug 2022 15:38

Instrument :

MSVOA_X

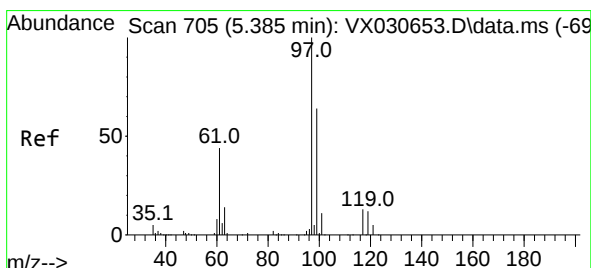
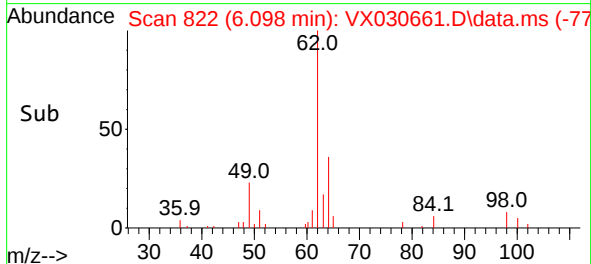
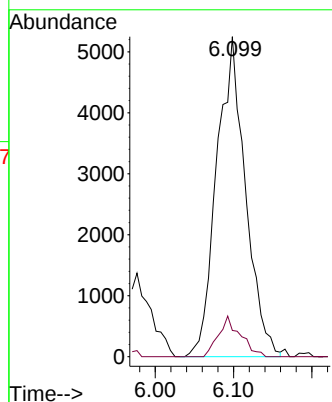
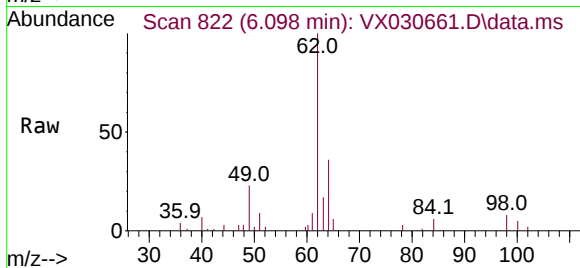
ClientSampleId :

Tgt Ion: 62 Resp: 13413

Ion Ratio Lower Upper

62 100

98 8.2 7.0 10.6



#30

1,1,1-Trichloroethane

Concen: 5.255 ug/L

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030661.D

Acq: 17 Aug 2022 15:38

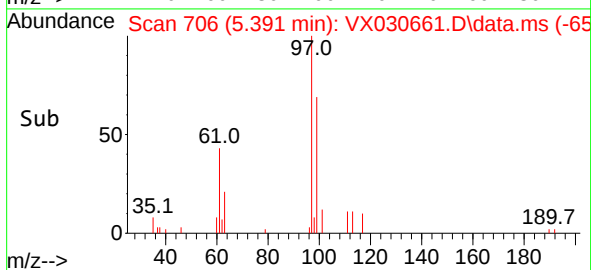
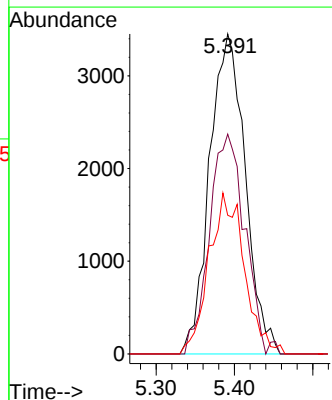
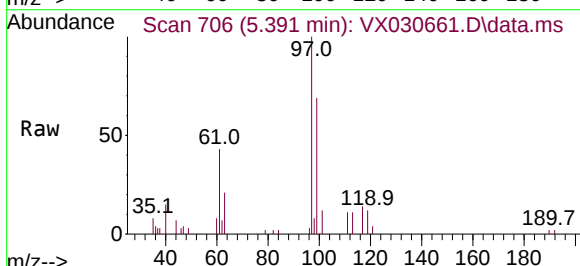
Tgt Ion: 97 Resp: 10908

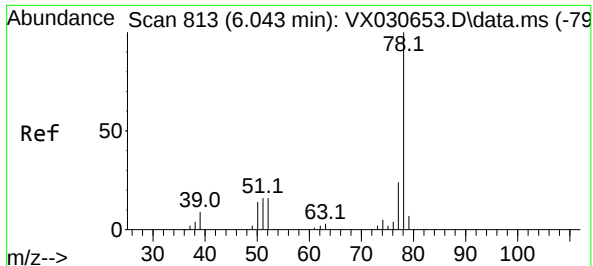
Ion Ratio Lower Upper

97 100

99 67.7 51.4 77.0

61 33.0 37.0 55.6#

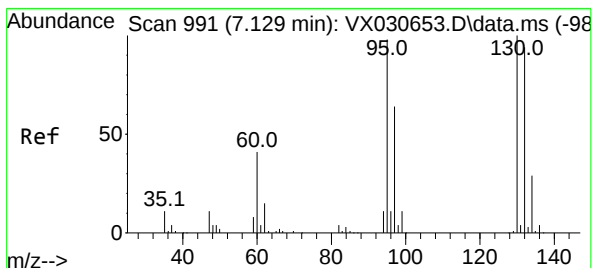
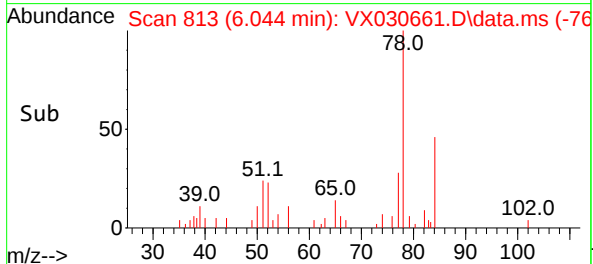
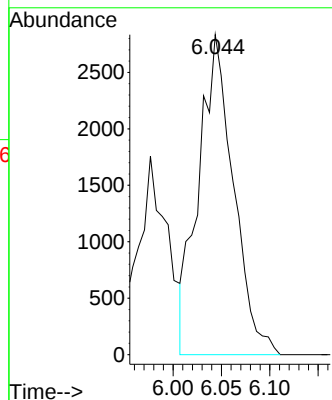
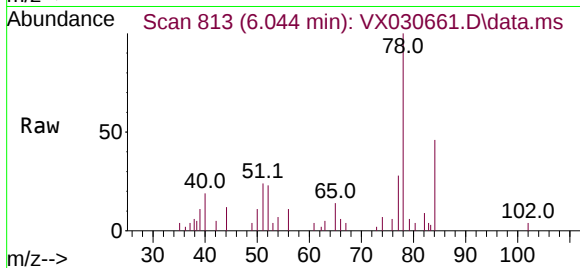




#33
Benzene
Concen: 1.408 ug/L
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX030661.D
Acq: 17 Aug 2022 15:38

Instrument :
MSVOA_X
ClientSampleId :

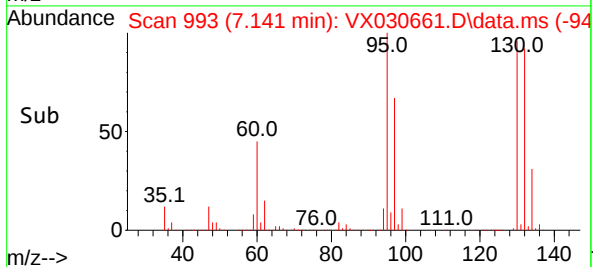
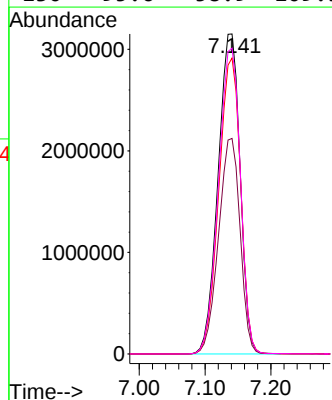
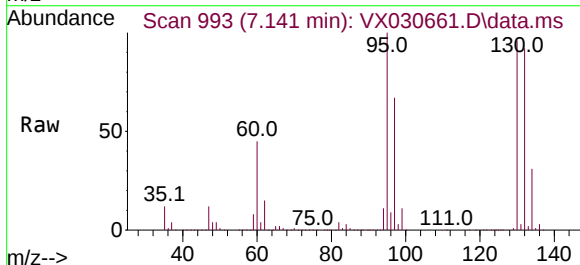
Tgt Ion: 78 Resp: 7101

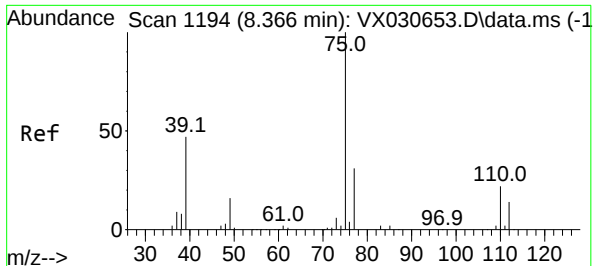


#34
Trichloroethene
Concen: 5021.646 ug/L
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX030661.D
Acq: 17 Aug 2022 15:38

Tgt Ion: 95 Resp: 7337564

Ion	Ratio	Lower	Upper
95	100		
97	67.4	40.2	74.6
132	92.5	55.3	102.7
130	95.6	58.9	109.5





#39

cis-1,3-Dichloropropene

Concen: 2.268 ug/L

RT: 8.324 min Scan# 1194

Delta R.T. -0.042 min

Lab File: VX030661.D

Acq: 17 Aug 2022 15:38

Instrument :

MSVOA_X

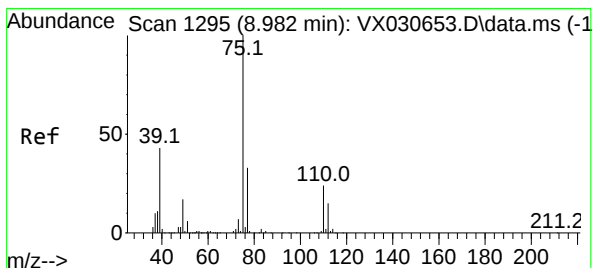
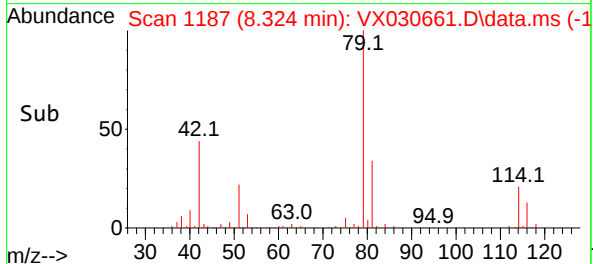
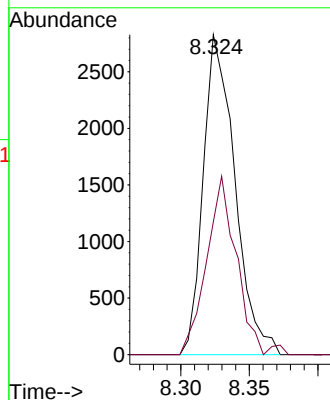
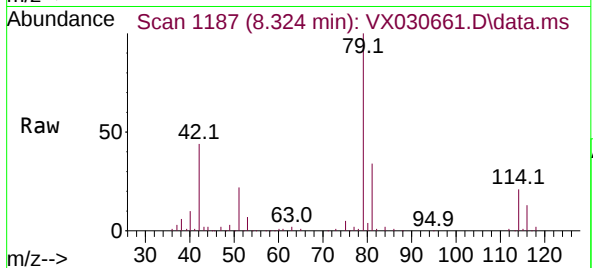
ClientSampleId :

Tgt Ion: 75 Resp: 4538

Ion Ratio Lower Upper

75 100

77 41.4 22.4 41.6



#44

trans-1,3-Dichloropropene

Concen: 1.432 ug/L

RT: 8.952 min Scan# 1290

Delta R.T. -0.030 min

Lab File: VX030661.D

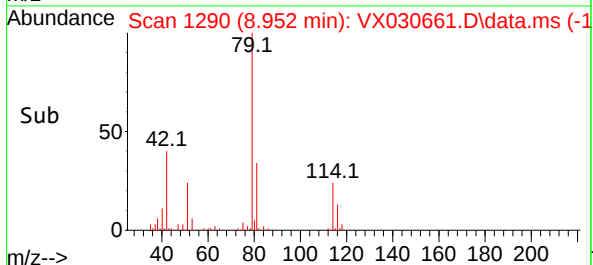
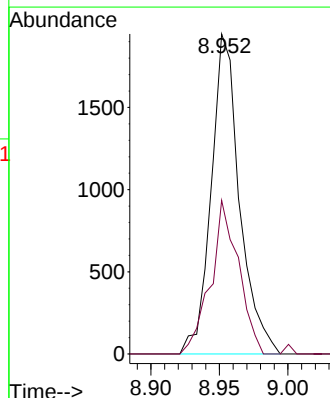
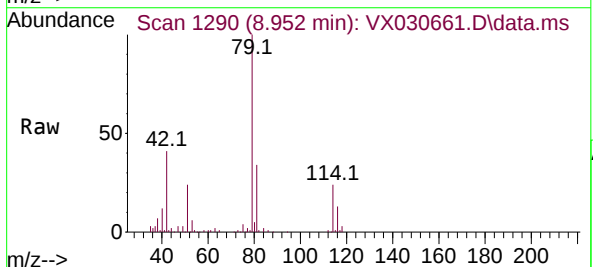
Acq: 17 Aug 2022 15:38

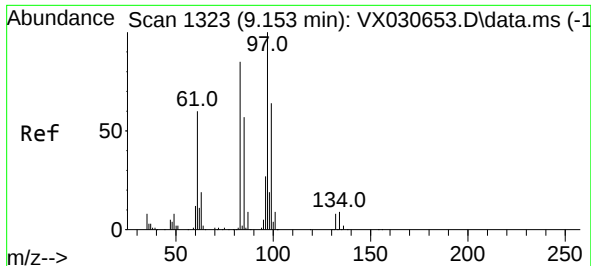
Tgt Ion: 75 Resp: 2805

Ion Ratio Lower Upper

75 100

77 48.0 22.5 41.7#





#45

1,1,2-Trichloroethane

Concen: 1.200 ug/L

RT: 9.159 min Scan# 11

Delta R.T. 0.006 min

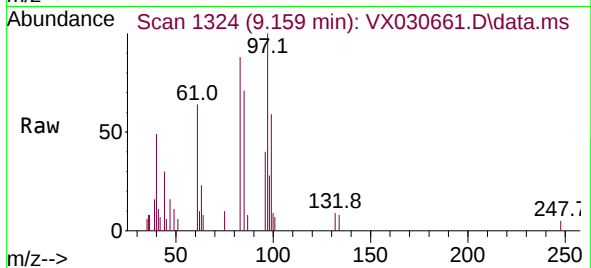
Lab File: VX030661.D

Acq: 17 Aug 2022 15:38

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 97 Resp: 1497

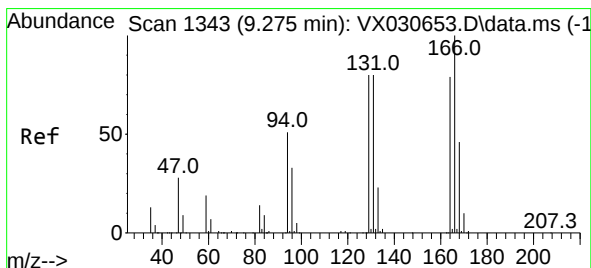
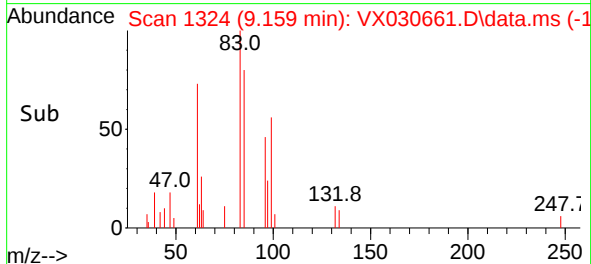
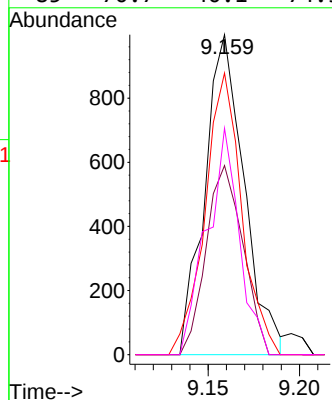
Ion Ratio Lower Upper

97 100

99 59.1 43.3 80.3

83 88.0 63.0 117.0

85 70.7 40.1 74.5



#46

Tetrachloroethene

Concen: 1350.514 ug/L

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX030661.D

Acq: 17 Aug 2022 15:38

Tgt Ion:164 Resp: 1247135

Ion Ratio Lower Upper

164 100

129 104.5 72.7 135.1

131 101.1 69.9 129.9

166 129.2 88.3 164.1

