

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092321\
 Data File : VX024463.D
 Acq On : 23 Sep 2021 20:48
 Operator : JC/MD
 Sample : M3833-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20210920

Quant Time: Sep 24 07:39:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

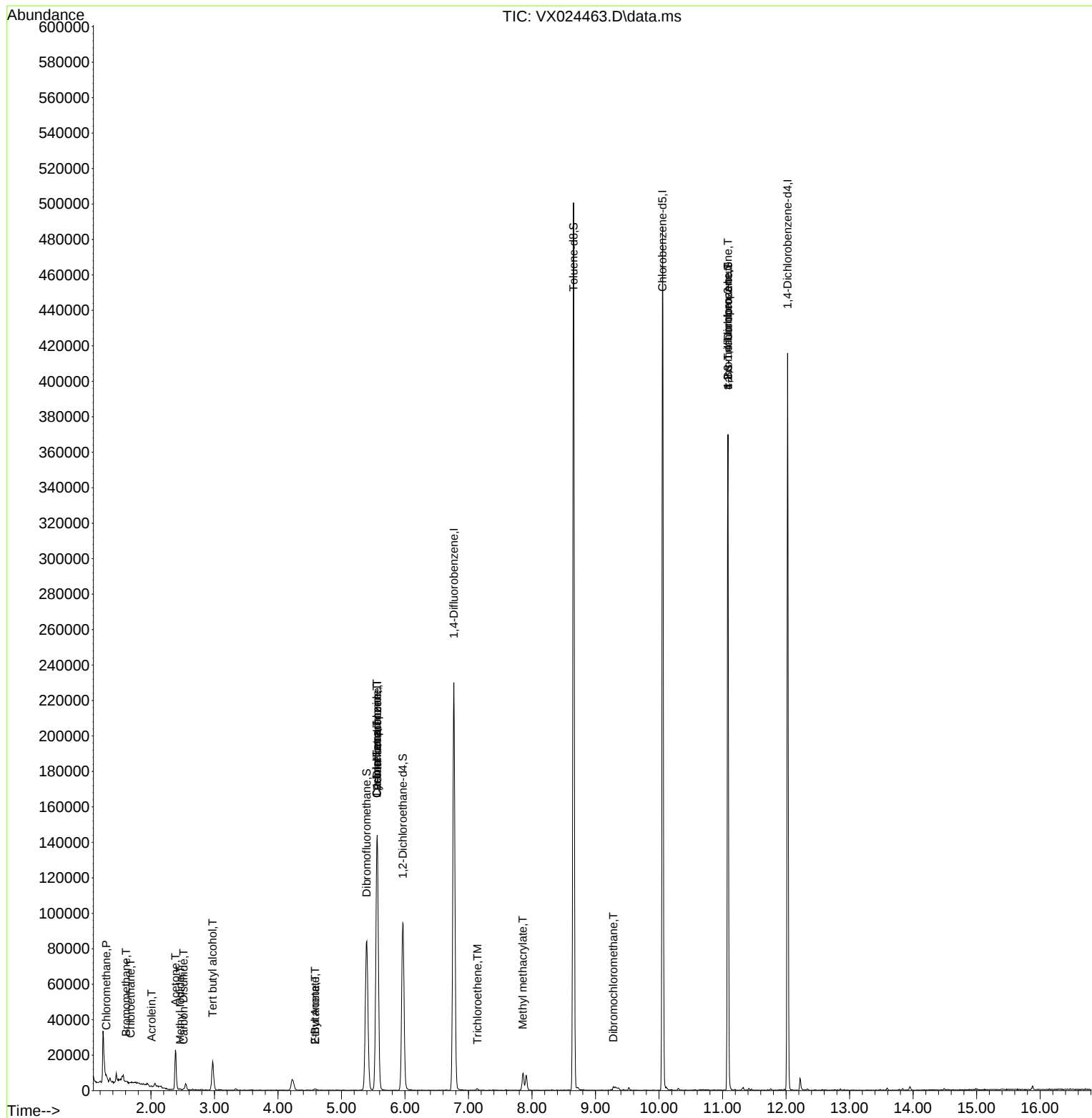
Internal Standards						
1) Pentafluorobenzene	5.562	168	133737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	222653	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96956	51.439	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.880%
35) Dibromofluoromethane	5.397	113	72777	49.202	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.400%
50) Toluene-d8	8.653	98	296320	54.430	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	108.860%
62) 4-Bromofluorobenzene	11.085	95	93509	43.686	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.380%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	473	0.373	ug/l	98
5) Bromomethane	1.605	94	334	0.374	ug/l	93
6) Chloroethane	1.678	64	192	0.474	ug/l #	58
10) Methyl Iodide	2.459	142	551	0.298	ug/l #	89
11) Tert butyl alcohol	2.971	59	17360	28.652	ug/l	96
13) Acrolein	2.008	56	19	10.237	ug/l #	14
16) Acetone	2.386	43	23357	20.042	ug/l	93
17) Carbon Disulfide	2.514	76	857	0.498	ug/l	99
20) Methylene Chloride	2.788	84	338	Below Cal	#	41
25) 2-Butanone	4.586	43	1142	0.880	ug/l #	81
31) Cyclohexane	5.556	56	2774	1.229	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10214	4.785	ug/l #	45
37) Ethyl Acetate	4.586	43	1142	0.429	ug/l #	64
38) Carbon Tetrachloride	5.556	117	14080	6.060	ug/l #	17
44) Trichloroethene	7.141	130	381	0.227	ug/l	61
48) Methyl methacrylate	7.854	41	4174	2.081	ug/l #	33
60) Dibromochloromethane	9.281	129	56	1.217	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	50560	26.608	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	50560	72.434	ug/l #	12

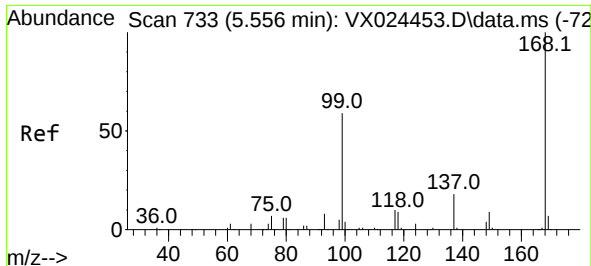
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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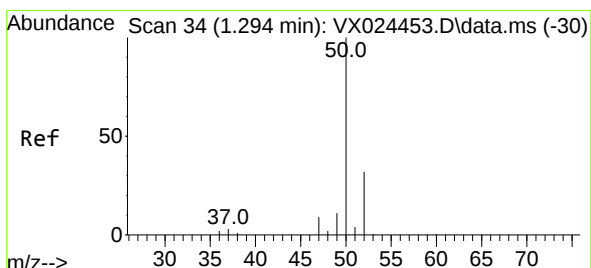
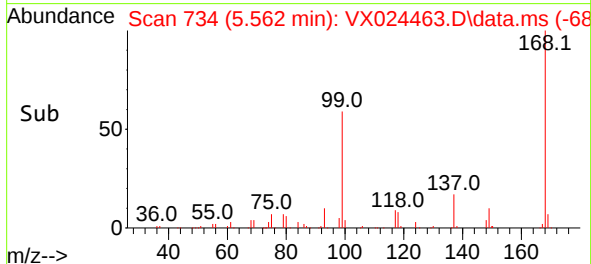
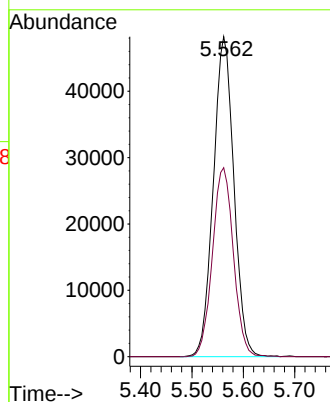
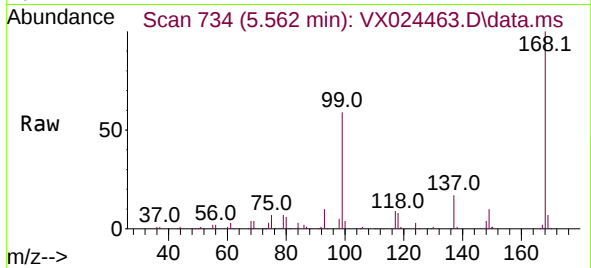




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

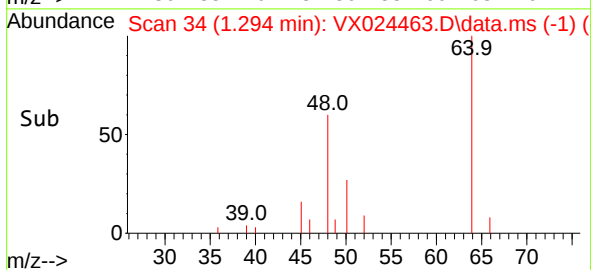
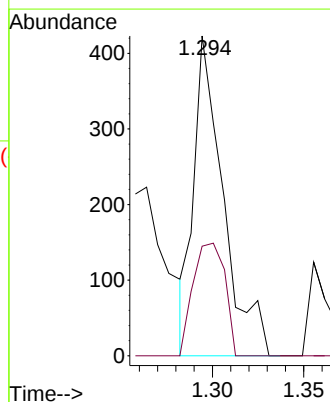
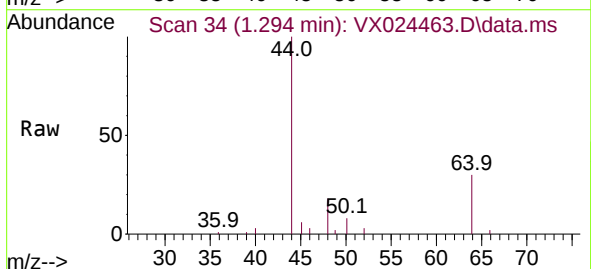
Instrument :
MSVOA_X
ClientSampleId :
EB02-20210920

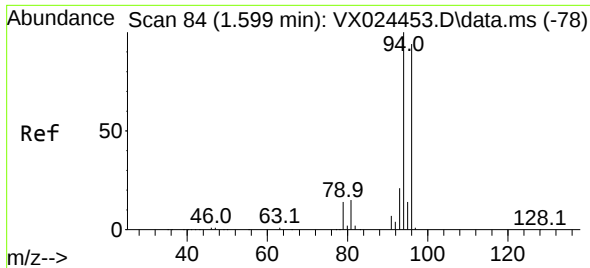
Tgt Ion:168 Resp: 133737
Ion Ratio Lower Upper
168 100
99 59.0 45.8 68.6



#3
Chloromethane
Concen: 0.373 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

Tgt Ion: 50 Resp: 473
Ion Ratio Lower Upper
50 100
52 34.3 26.4 39.6

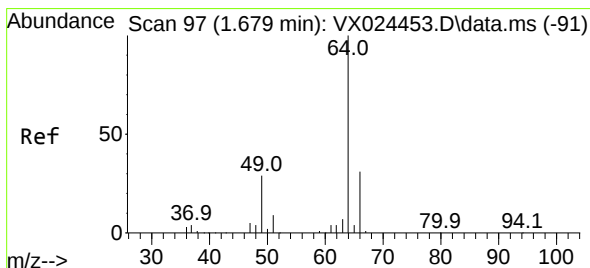
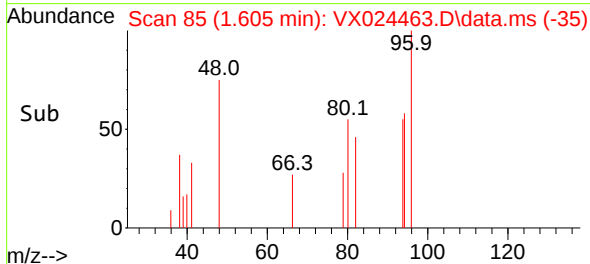
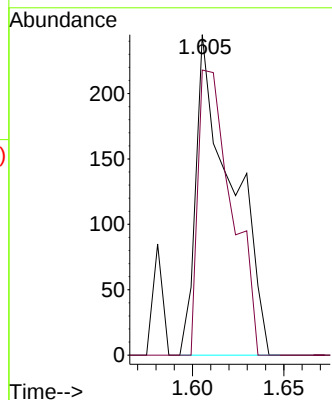
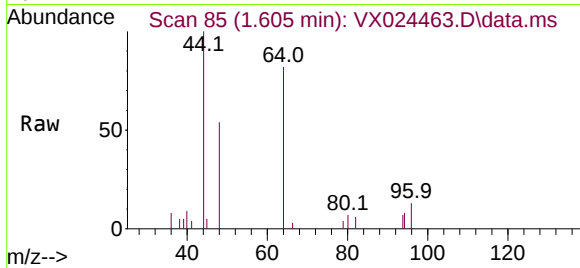




#5
Bromomethane
Concen: 0.374 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

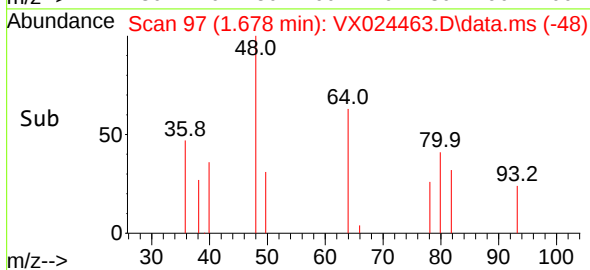
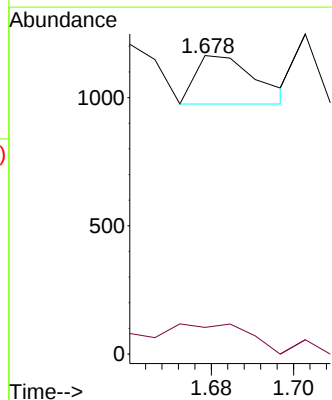
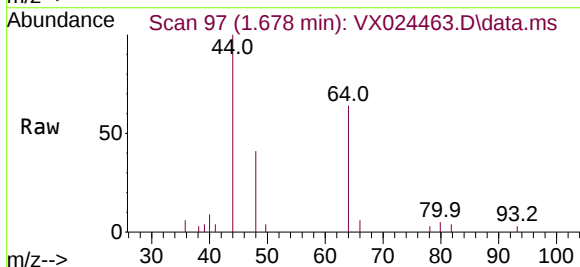
Instrument :
MSVOA_X
ClientSampleId :
EB02-20210920

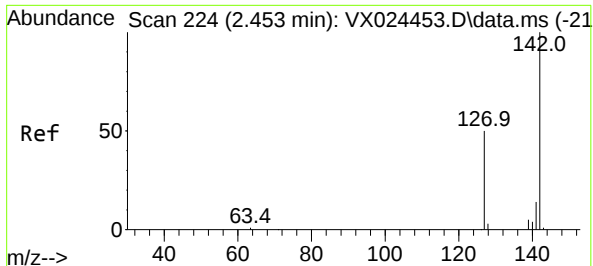
Tgt Ion: 94 Resp: 334
Ion Ratio Lower Upper
94 100
96 89.0 76.4 114.6



#6
Chloroethane
Concen: 0.474 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

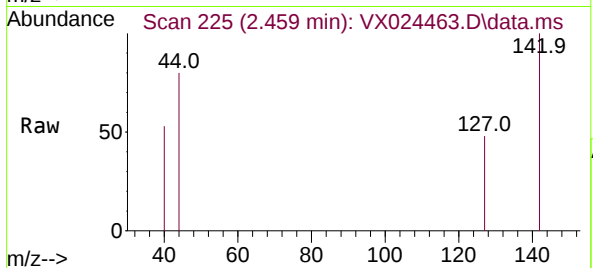
Tgt Ion: 64 Resp: 192
Ion Ratio Lower Upper
64 100
66 55.0 25.4 38.0#



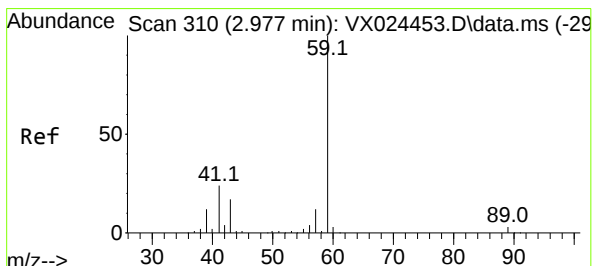
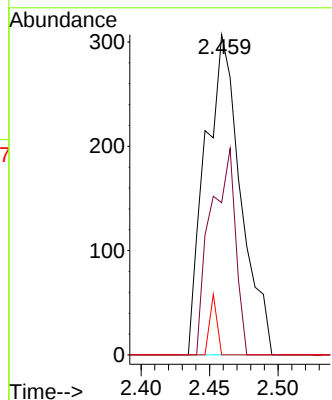
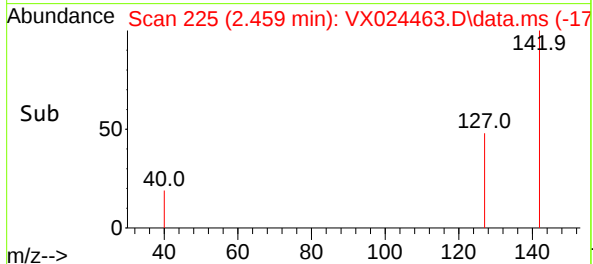


#10
Methyl Iodide
Concen: 0.298 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

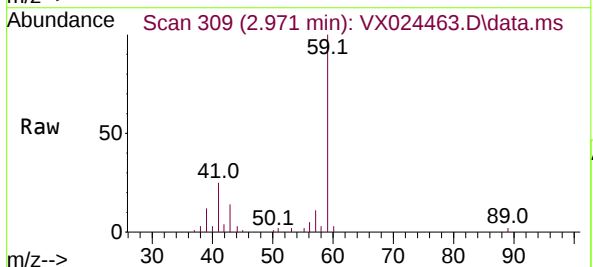
Instrument :
MSVOA_X
ClientSampleId :
EB02-20210920



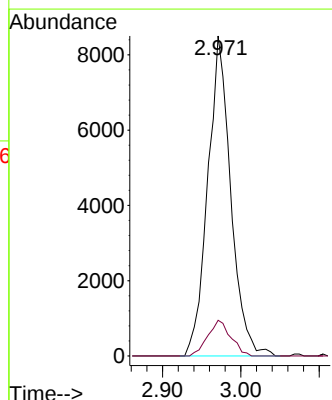
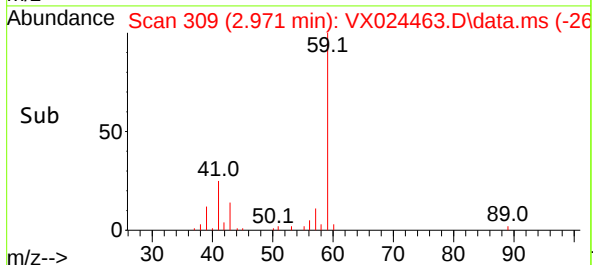
Tgt Ion:142 Resp: 551
Ion Ratio Lower Upper
142 100
127 45.4 33.3 49.9
141 3.8 11.4 17.0#

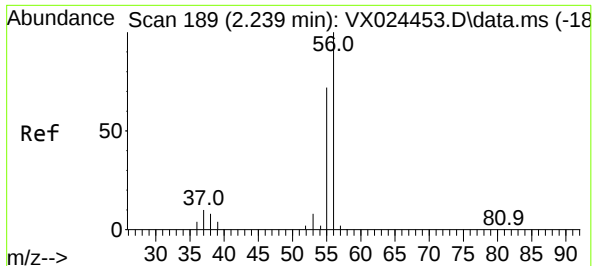


#11
Tert butyl alcohol
Concen: 28.652 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48



Tgt Ion: 59 Resp: 17360
Ion Ratio Lower Upper
59 100
57 11.1 7.8 11.8

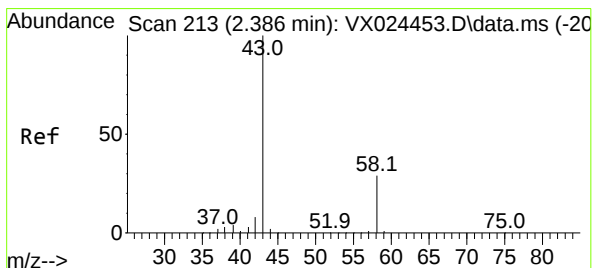
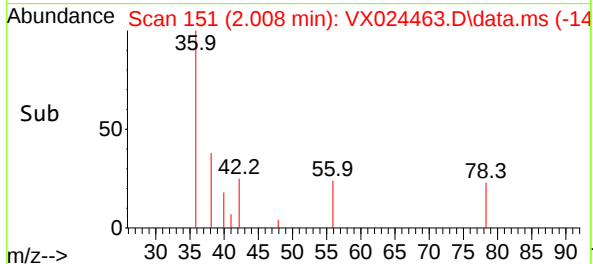
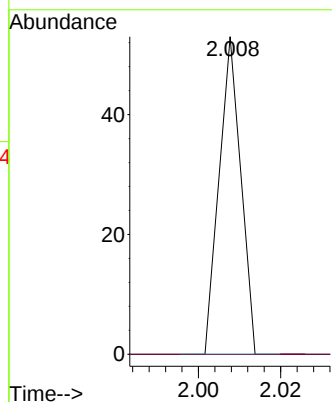
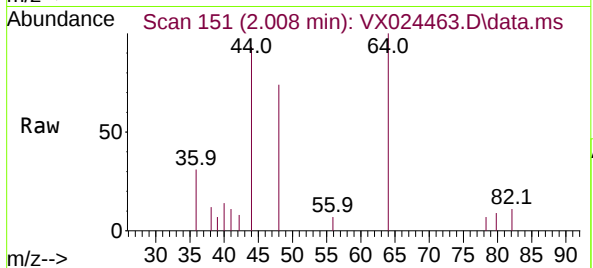




#13
Acrolein
Concen: 10.237 ug/l
RT: 2.008 min Scan# 151
Delta R.T. -0.231 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

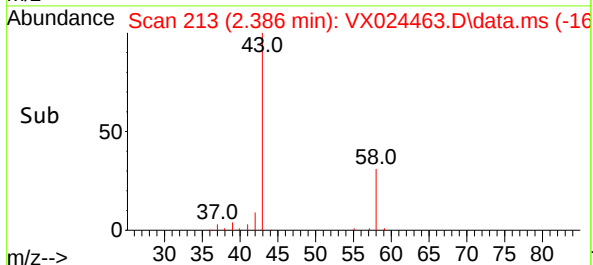
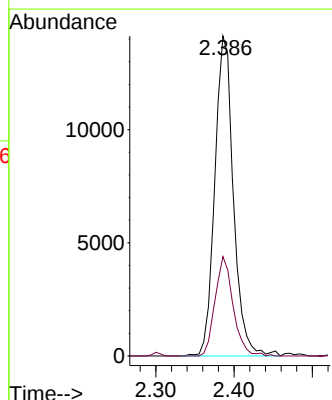
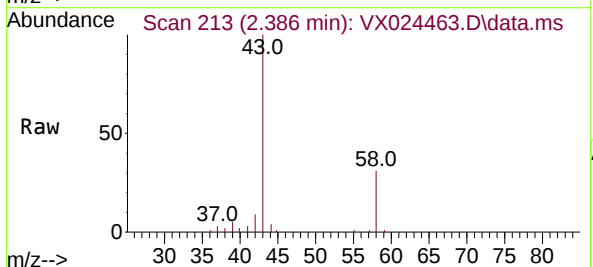
Instrument :
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ClientSampleId :
EB02-20210920

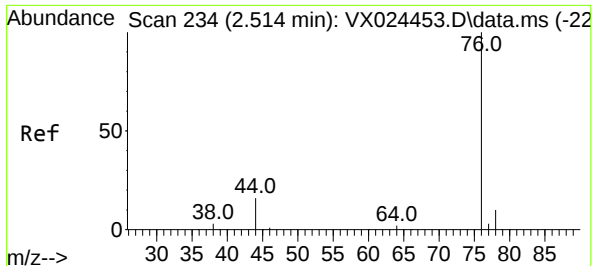
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 20.042 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

Tgt Ion: 43 Resp: 23357
Ion Ratio Lower Upper
43 100
58 31.0 27.8 41.8

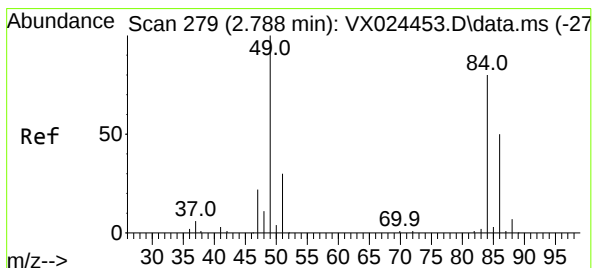
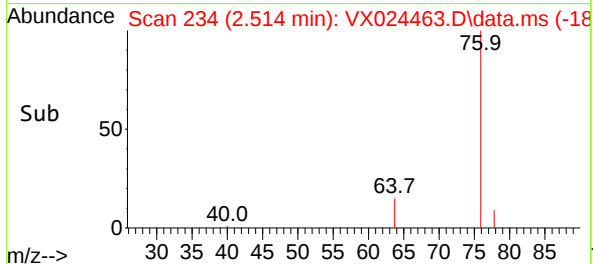
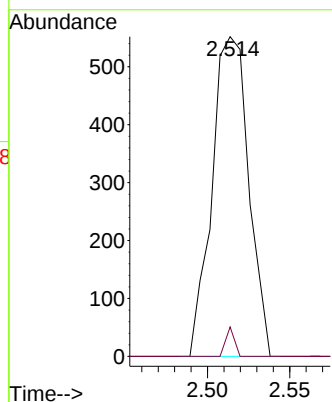
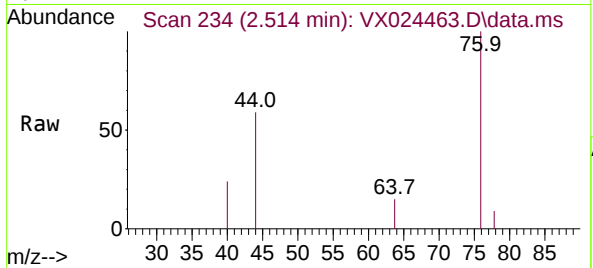




#17
Carbon Disulfide
Concen: 0.498 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

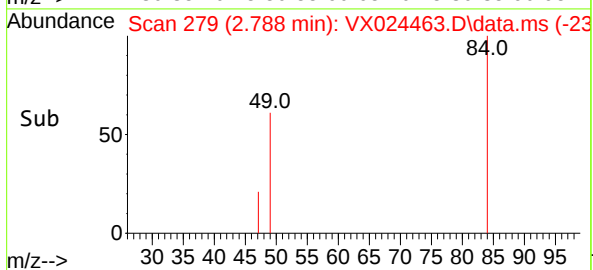
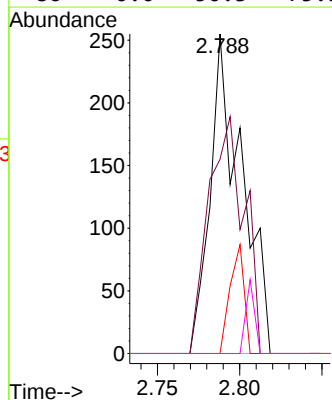
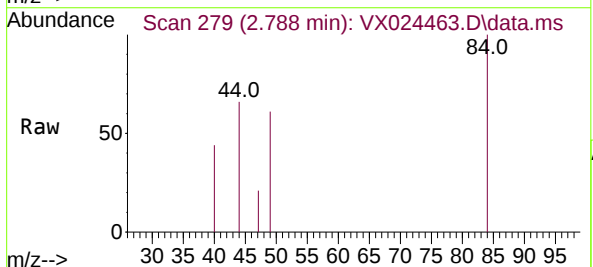
Instrument :
MSVOA_X
ClientSampleId :
EB02-20210920

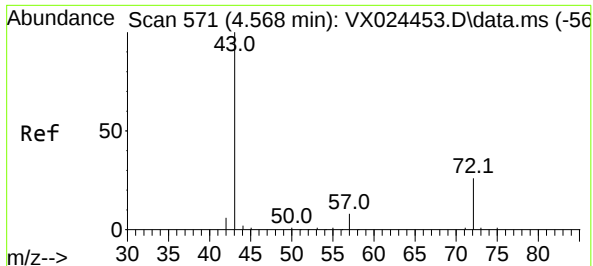
Tgt Ion: 76 Resp: 857
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

Tgt Ion: 84 Resp: 338
Ion Ratio Lower Upper
84 100
49 60.8 88.6 132.8#
51 0.0 27.0 40.6#
86 0.0 50.3 75.5#





#25

2-Butanone

Concen: 0.880 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.018 min

Lab File: VX024463.D

Acq: 23 Sep 2021 20:48

Tgt Ion: 43 Resp: 1142

Ion Ratio Lower Upper

43 100

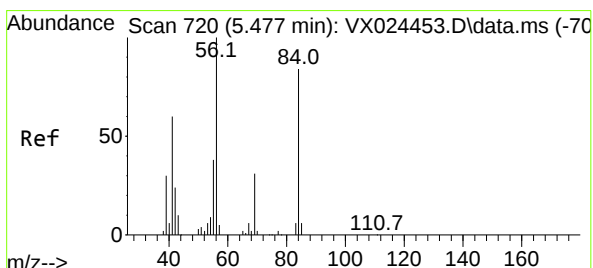
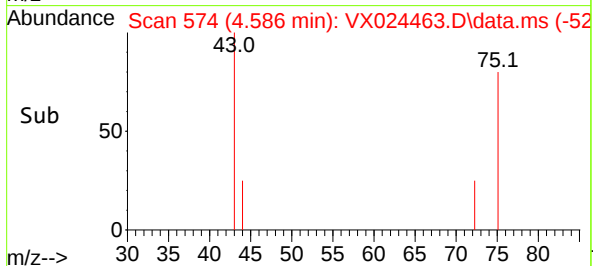
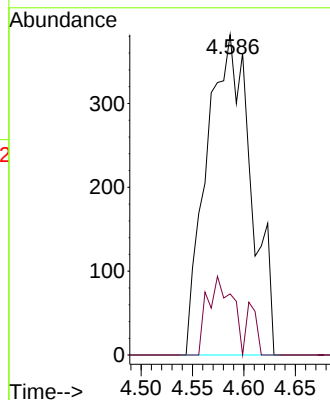
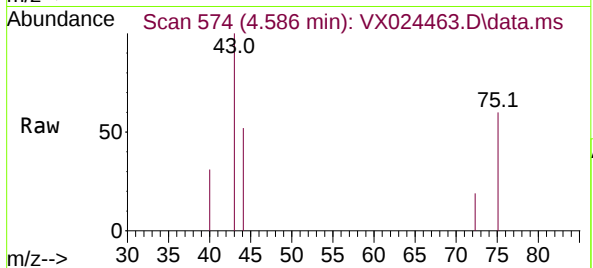
72 19.1 23.7 35.5#

Instrument :

MSVOA_X

ClientSampleId :

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#31

Cyclohexane

Concen: 1.229 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX024463.D

Acq: 23 Sep 2021 20:48

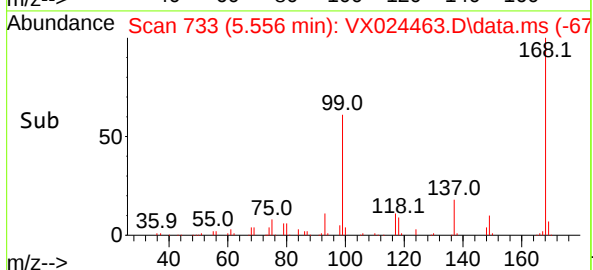
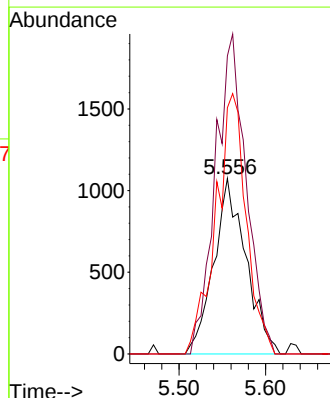
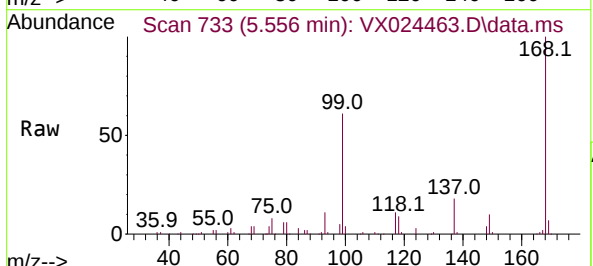
Tgt Ion: 56 Resp: 2774

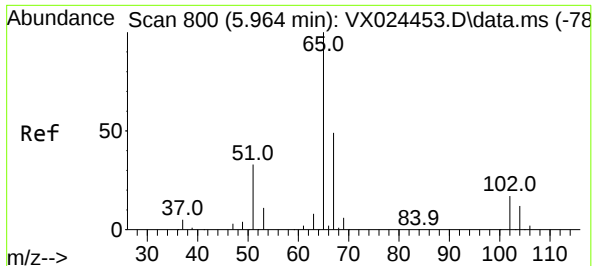
Ion Ratio Lower Upper

56 100

69 169.9 25.3 37.9#

84 140.3 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.439 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024463.D

Acq: 23 Sep 2021 20:48

Tgt Ion: 65 Resp: 96956

Ion Ratio Lower Upper

65 100

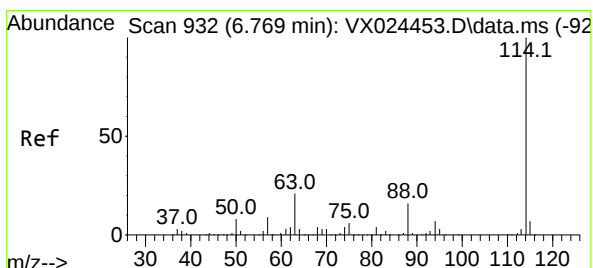
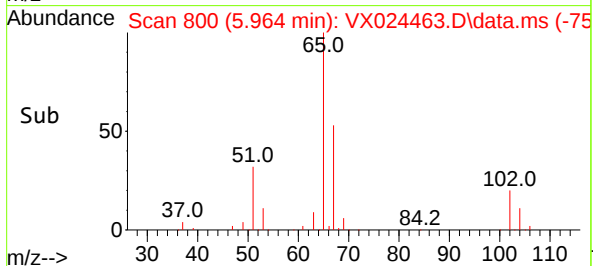
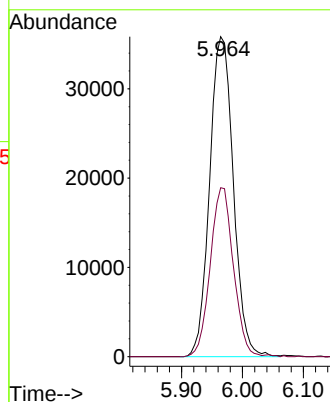
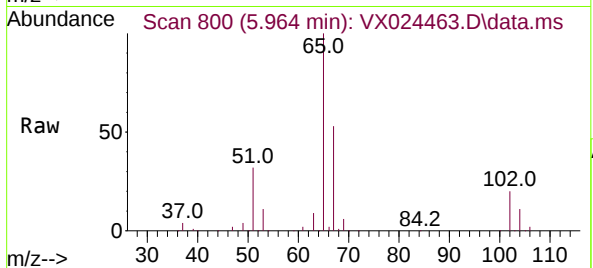
67 51.7 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

EB02-20210920



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX024463.D

Acq: 23 Sep 2021 20:48

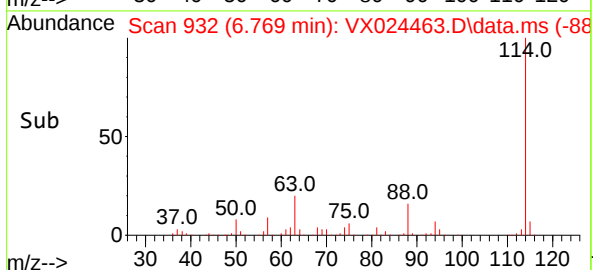
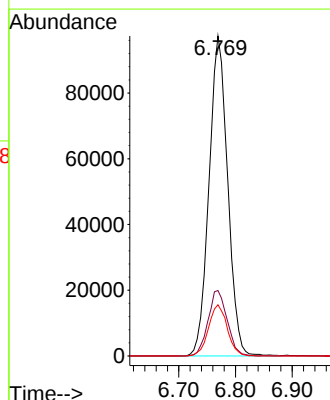
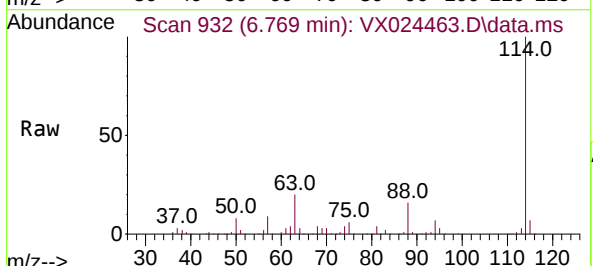
Tgt Ion: 114 Resp: 222653

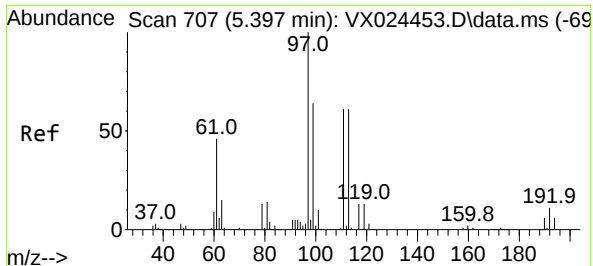
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.202 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024463.D

Acq: 23 Sep 2021 20:48

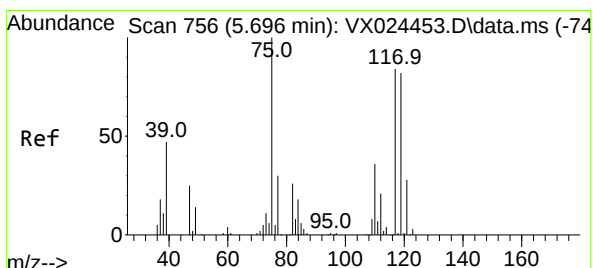
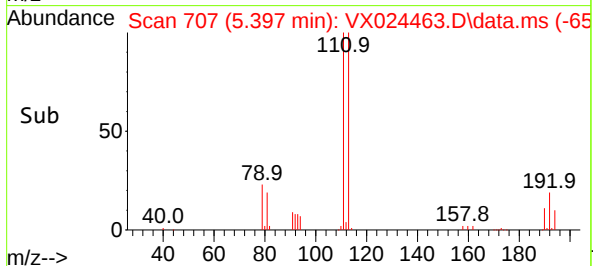
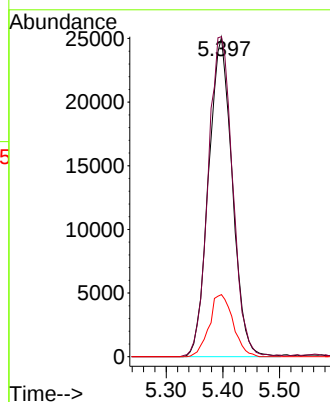
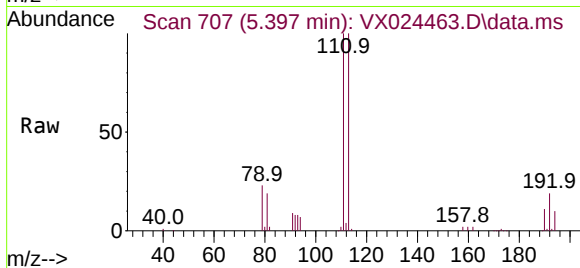
Tgt Ion:113 Resp: 72777

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

192 19.5 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.785 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX024463.D

Acq: 23 Sep 2021 20:48

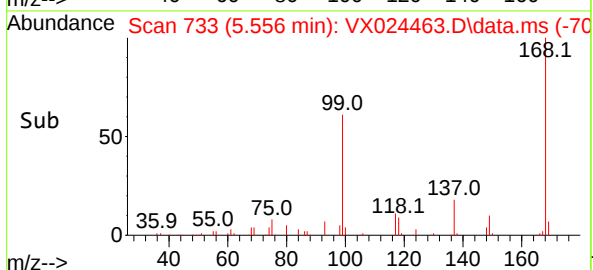
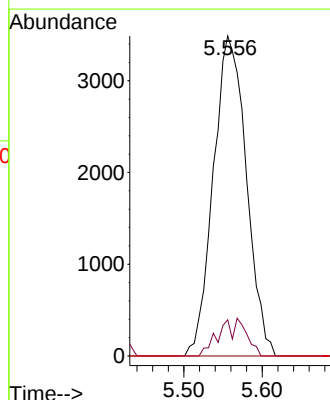
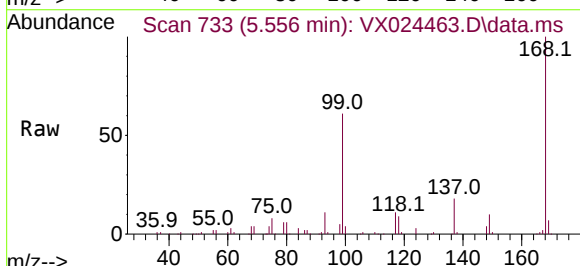
Tgt Ion: 75 Resp: 10214

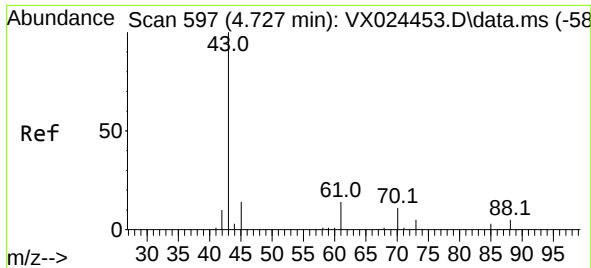
Ion Ratio Lower Upper

75 100

110 5.3 18.1 54.4#

77 0.0 25.3 37.9#

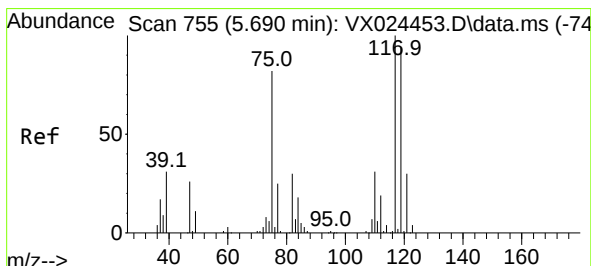
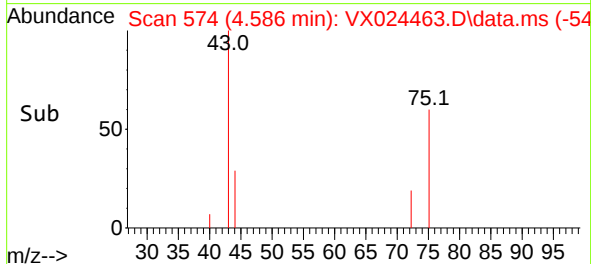
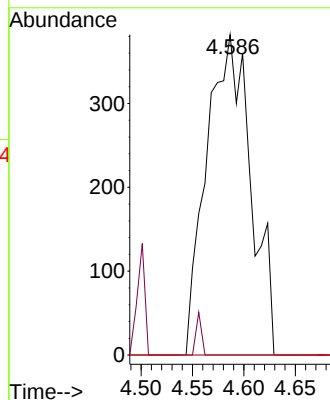
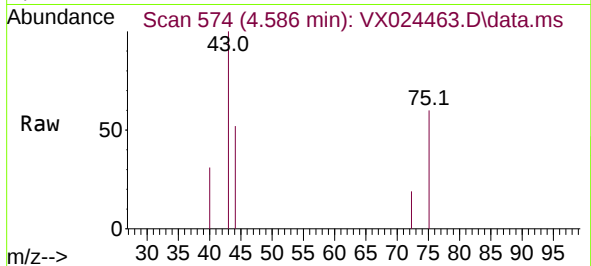




#37
Ethyl Acetate
Concen: 0.429 ug/l
RT: 4.586 min Scan# 574
Delta R.T. -0.141 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

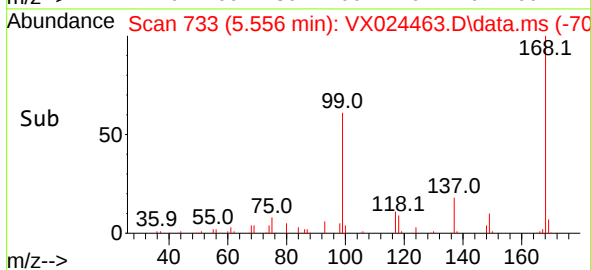
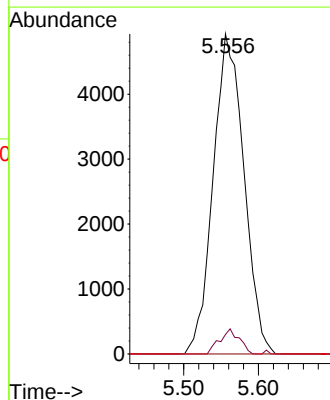
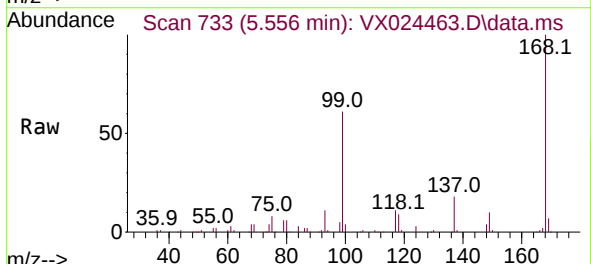
Instrument :
MSVOA_X
ClientSampleId :
EB02-20210920

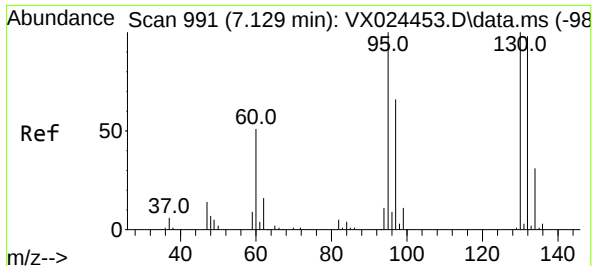
Tgt Ion:	43	Resp:	1142
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



#38
Carbon Tetrachloride
Concen: 6.060 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

Tgt Ion:	117	Resp:	14080
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.2	114.2#
121	0.0	24.8	37.2#

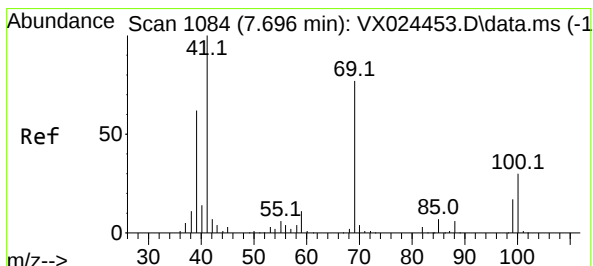
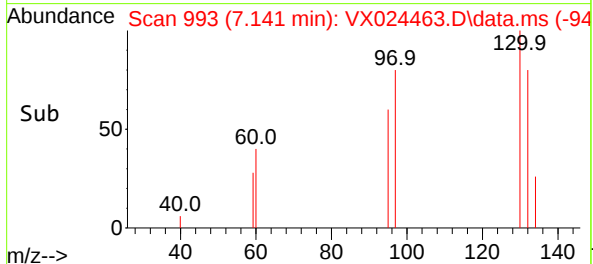
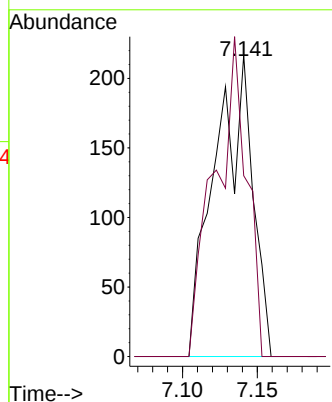
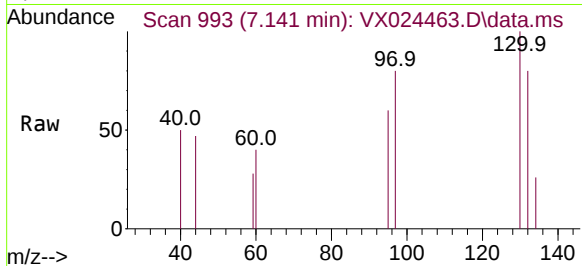




#44
Trichloroethene
Concen: 0.227 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

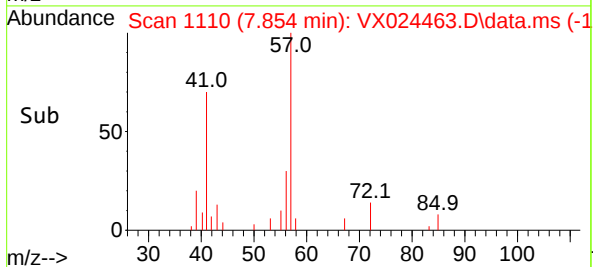
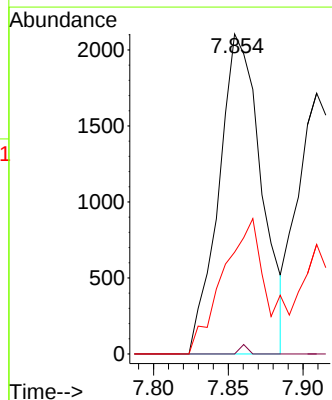
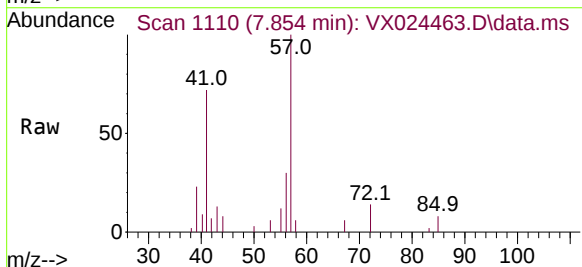
Instrument :
MSVOA_X
ClientSampleId :
EB02-20210920

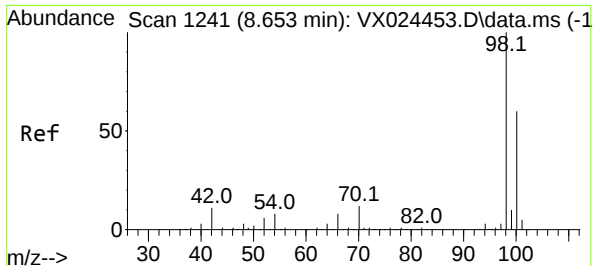
Tgt Ion:130 Resp: 381
Ion Ratio Lower Upper
130 100
95 59.9 0.0 198.0



#48
Methyl methacrylate
Concen: 2.081 ug/l
RT: 7.854 min Scan# 1110
Delta R.T. 0.158 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

Tgt Ion: 41 Resp: 4174
Ion Ratio Lower Upper
41 100
69 0.6 76.0 114.0#
39 44.8 44.6 67.0





#50

Toluene-d8

Concen: 54.430 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024463.D

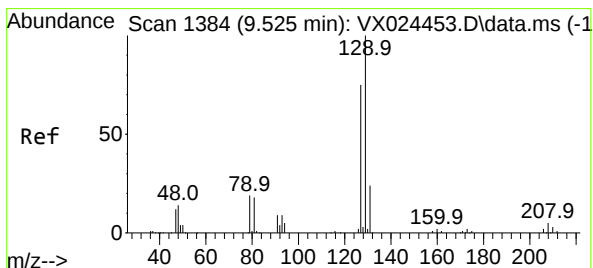
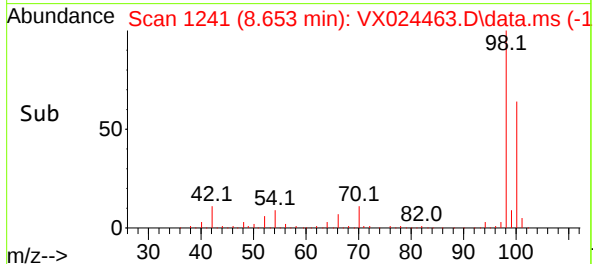
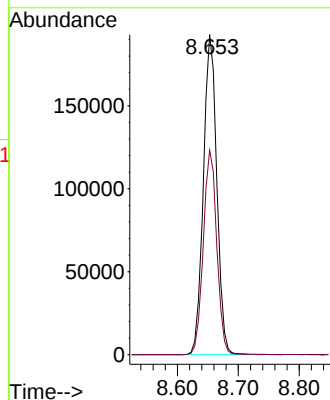
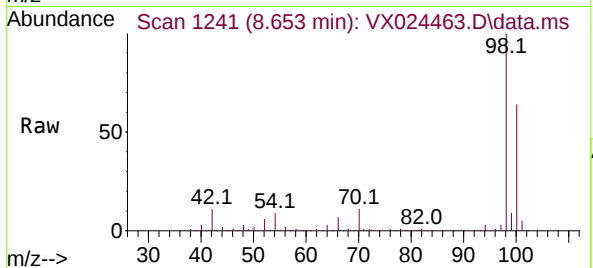
Acq: 23 Sep 2021 20:48

Tgt Ion: 98 Resp: 296320

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



#60

Dibromochloromethane

Concen: 1.217 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX024463.D

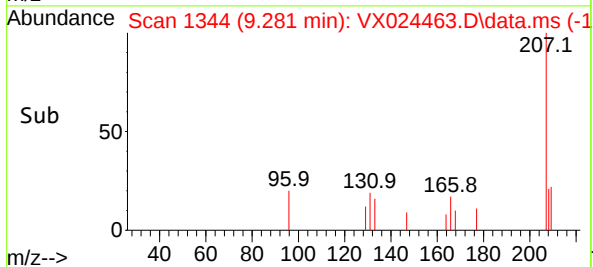
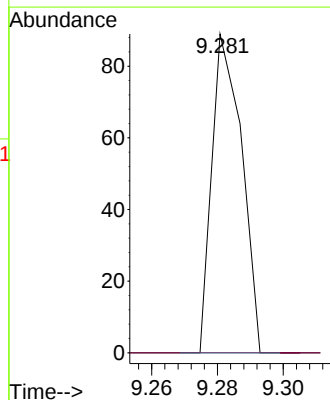
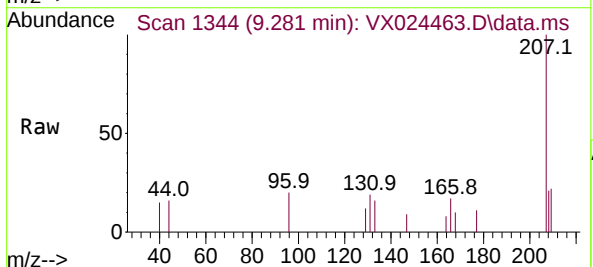
Acq: 23 Sep 2021 20:48

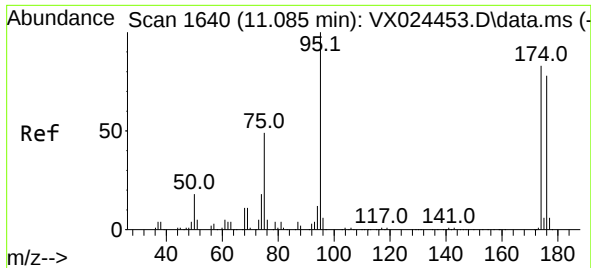
Tgt Ion: 129 Resp: 56

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

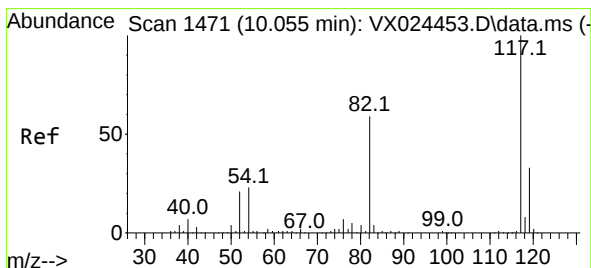
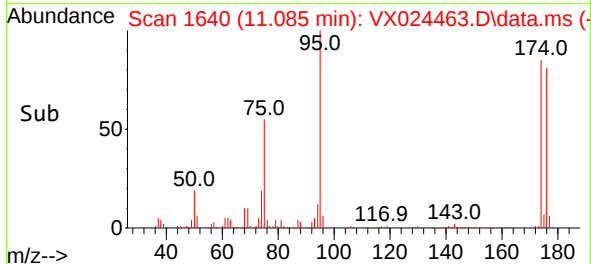
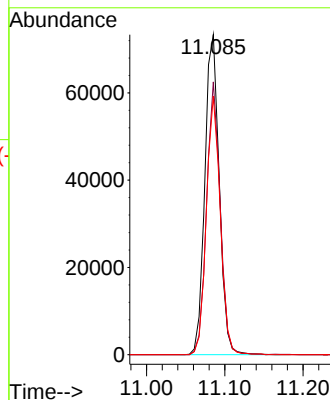
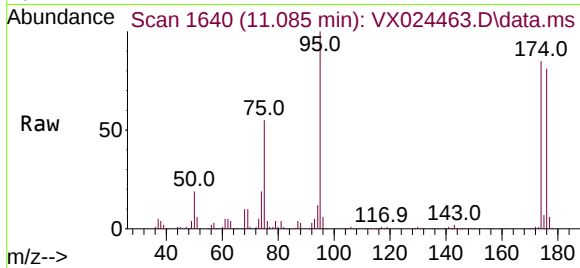




#62
4-Bromofluorobenzene
Concen: 43.686 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

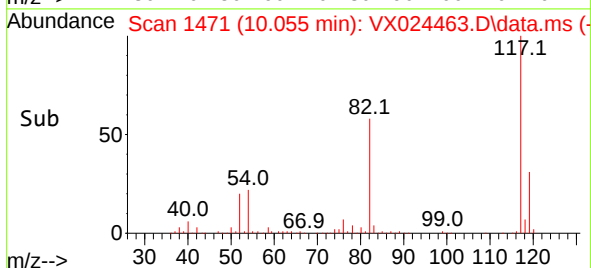
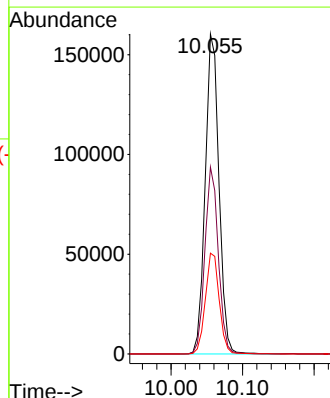
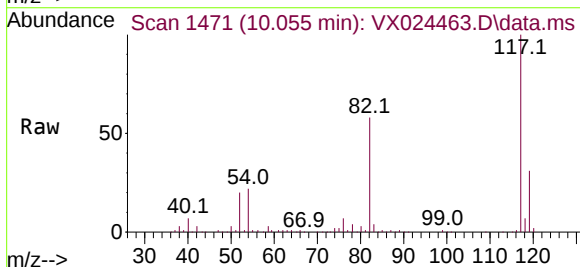
Instrument :
MSVOA_X
ClientSampleId :
EB02-20210920

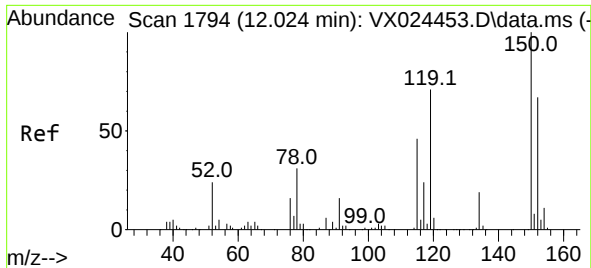
Tgt Ion:	95	Resp:	93509
Ion Ratio	Lower	Upper	
95	100		
174	80.5	0.0	154.6
176	77.9	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024463.D
Acq: 23 Sep 2021 20:48

Tgt Ion:	117	Resp:	214262
Ion Ratio	Lower	Upper	
117	100		
82	58.4	47.4	71.2
119	31.5	26.6	39.8

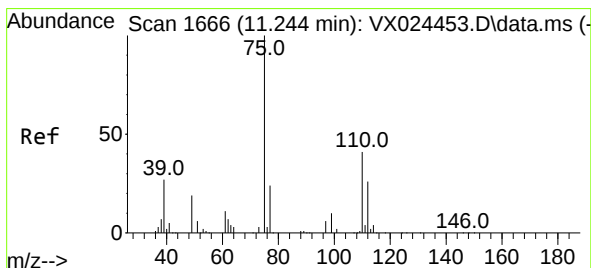
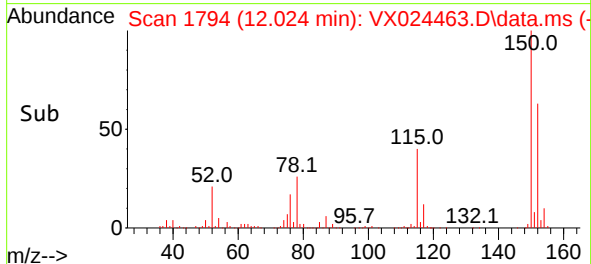
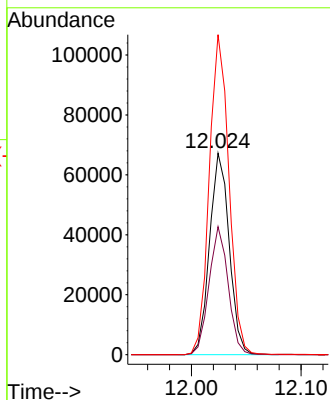
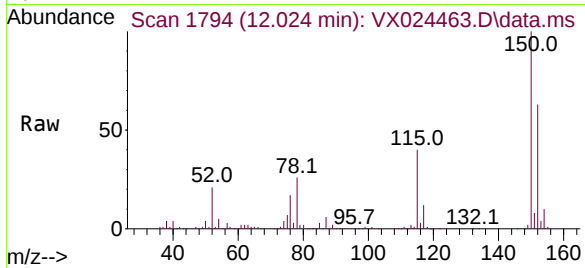




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024463.D
 Acq: 23 Sep 2021 20:48

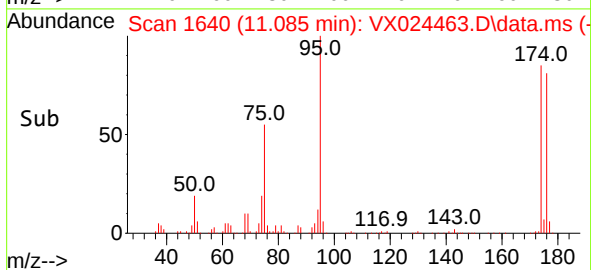
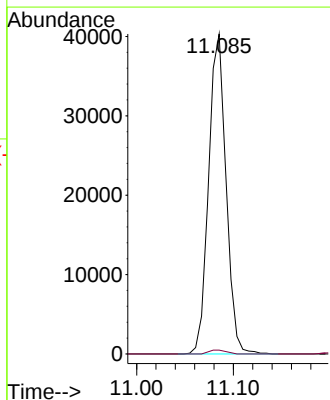
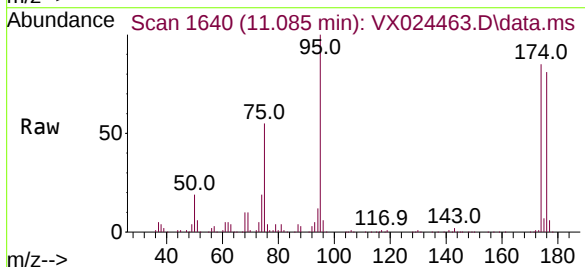
Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20210920

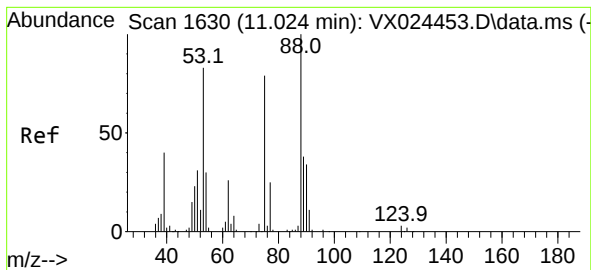
Tgt Ion:152 Resp: 83674
 Ion Ratio Lower Upper
 152 100
 115 61.9 41.1 123.3
 150 159.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.608 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024463.D
 Acq: 23 Sep 2021 20:48

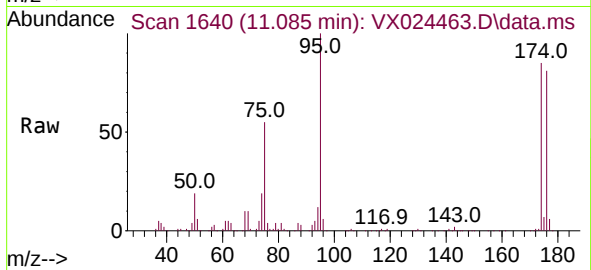
Tgt Ion: 75 Resp: 50560
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.434 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX024463.D
 Acq: 23 Sep 2021 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20210920



Tgt Ion:	75	Resp:	50560
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.5	111.7#
89	0.0	37.9	56.9#

