

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083121\
 Data File : VX024040.D
 Acq On : 31 Aug 2021 13:38
 Operator : JC/MD
 Sample : M3584-14 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20210827

Quant Time: Sep 01 05:01:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

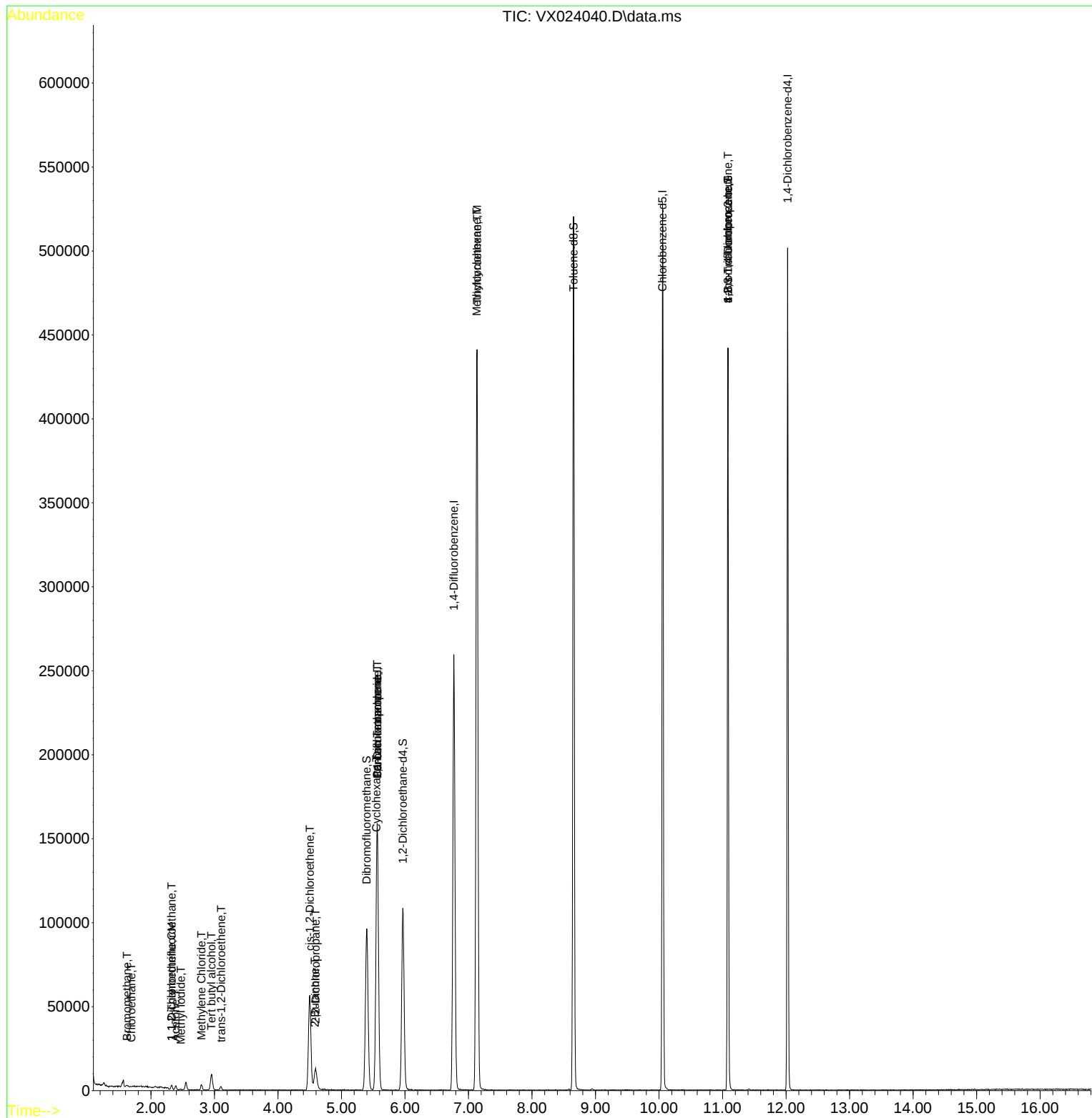
Internal Standards						
1) Pentafluorobenzene	5.562	168	143823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	248345	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108887	54.245	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	108.500%
35) Dibromofluoromethane	5.397	113	81617	49.653	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.300%
50) Toluene-d8	8.653	98	302763	48.395	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.780%
62) 4-Bromofluorobenzene	11.085	95	108803	47.243	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.480%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	542	0.531	ug/l	87
6) Chloroethane	1.691	64	244	2.389	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	318	0.220	ug/l #	73
10) Methyl Iodide	2.471	142	446	0.222	ug/l #	90
11) Tert butyl alcohol	2.953	59	6172	15.204	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	775	0.561	ug/l	93
16) Acetone	2.386	43	2411	2.686	ug/l	91
20) Methylene Chloride	2.794	84	1486	0.867	ug/l	92
21) trans-1,2-Dichloroethene	3.105	96	856	0.581	ug/l #	70
25) 2-Butanone	4.580	43	962	0.708	ug/l #	45
26) 2,2-Dichloropropane	4.593	77	1130	0.488	ug/l #	52
27) cis-1,2-Dichloroethene	4.501	96	35063	19.987	ug/l	93
31) Cyclohexane	5.550	56	3433	1.331	ug/l #	44
36) 1,1-Dichloropropene	5.562	75	12350	5.370	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14932	6.226	ug/l #	15
39) Methylcyclohexane	7.129	83	1744	0.623	ug/l #	1
44) Trichloroethene	7.135	130	168587	89.740	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	59573	26.598	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	59573	78.239	ug/l #	12

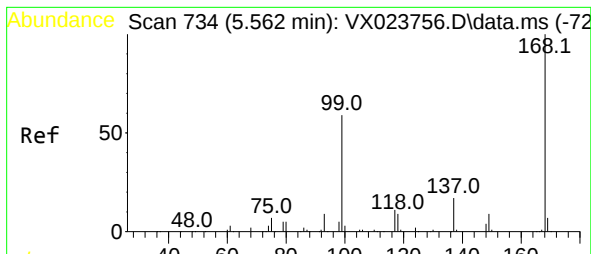
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 01 05:01:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.000 min

Lab File: VX024040.D

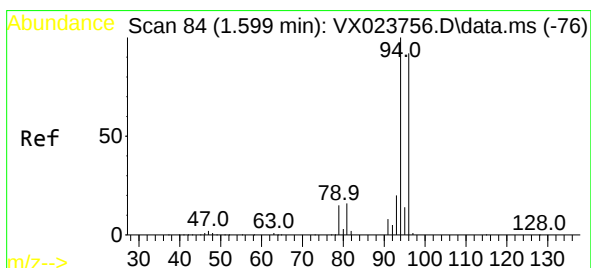
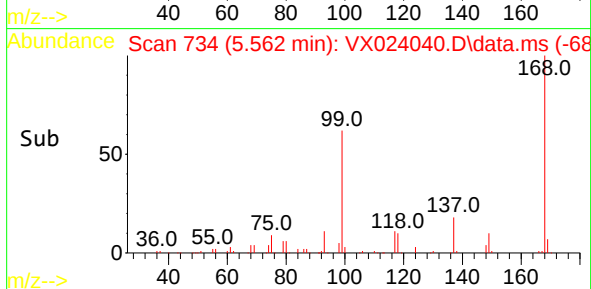
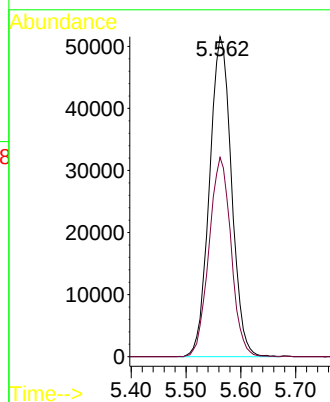
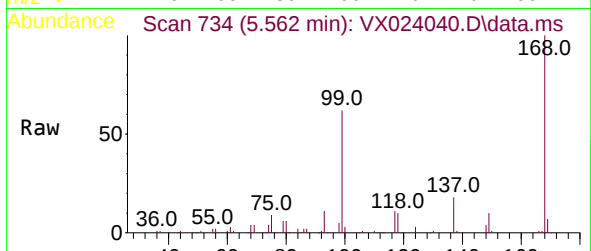
Acq: 31 Aug 2021 13:38

Tgt Ion:168 Resp: 143823

Ion Ratio Lower Upper

168 100

99 62.3 45.8 68.6



#5

Bromomethane

Concen: 0.531 ug/l

RT: 1.624 min Scan# 88

Delta R.T. 0.025 min

Lab File: VX024040.D

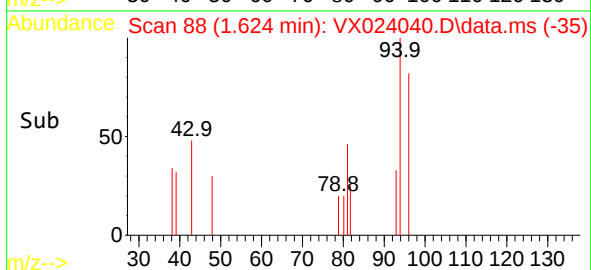
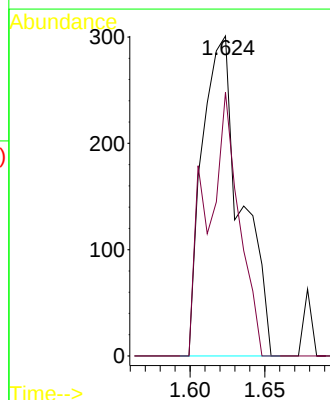
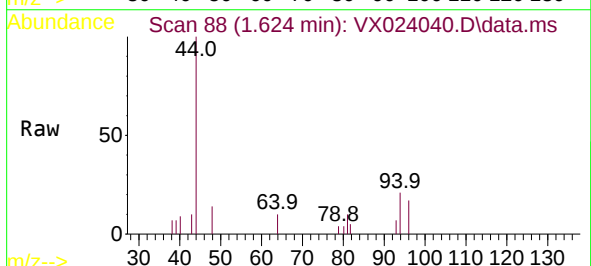
Acq: 31 Aug 2021 13:38

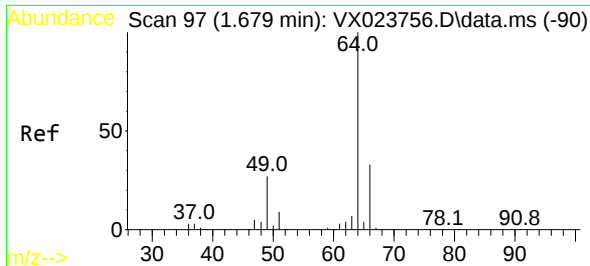
Tgt Ion: 94 Resp: 542

Ion Ratio Lower Upper

94 100

96 82.4 76.4 114.6

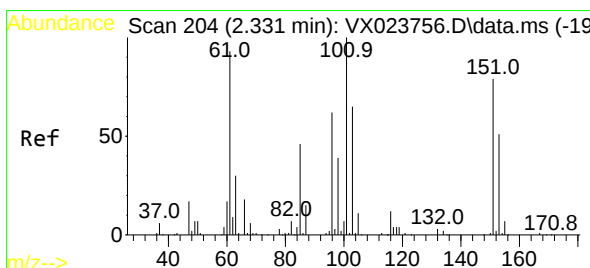
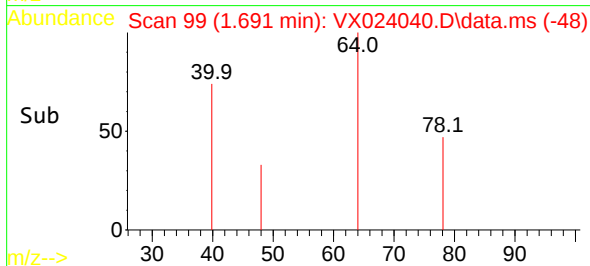
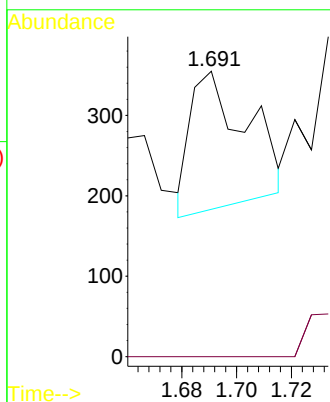
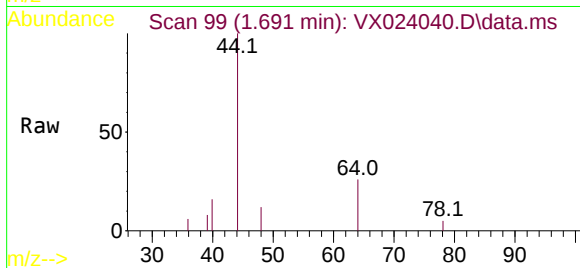




#6
Chloroethane
Concen: 2.389 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

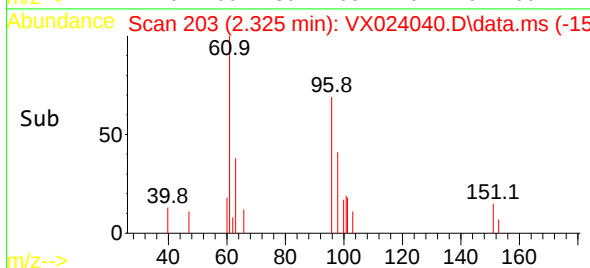
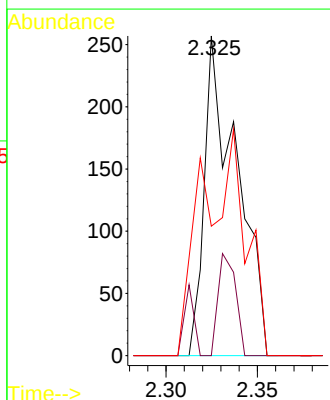
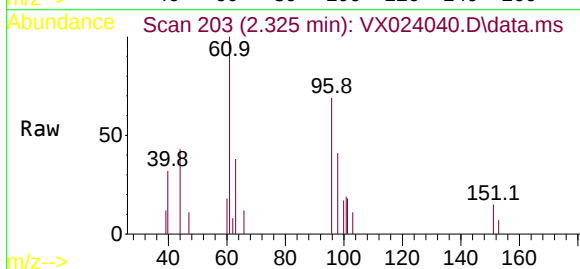
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210827

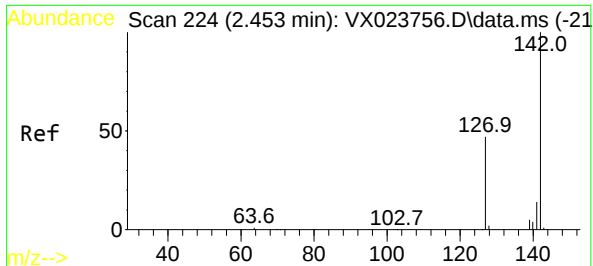
Tgt Ion: 64 Resp: 244
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.220 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

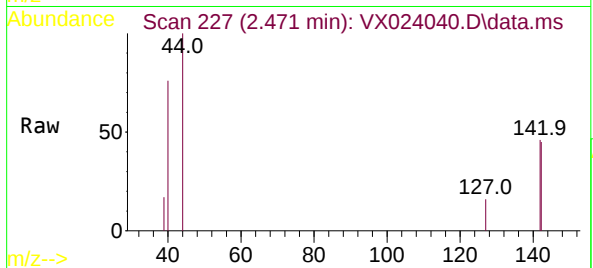
Tgt Ion: 101 Resp: 318
Ion Ratio Lower Upper
101 100
85 17.0 34.9 52.3#
151 93.1 61.4 92.2#



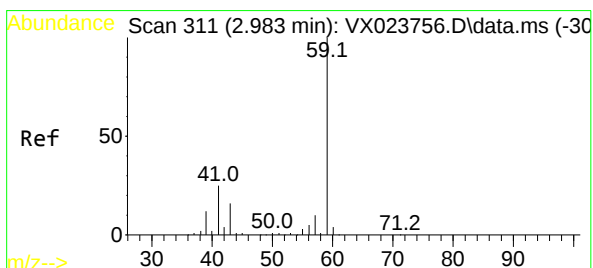
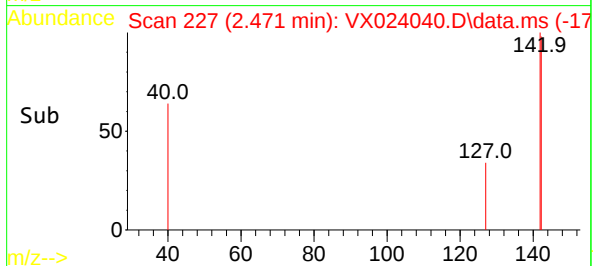
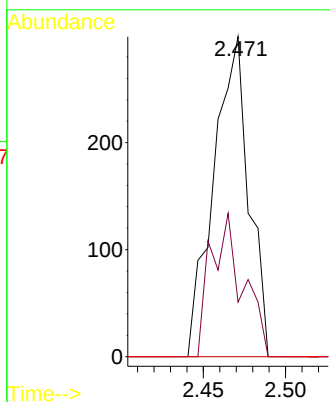


#10
Methyl Iodide
Concen: 0.222 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210827

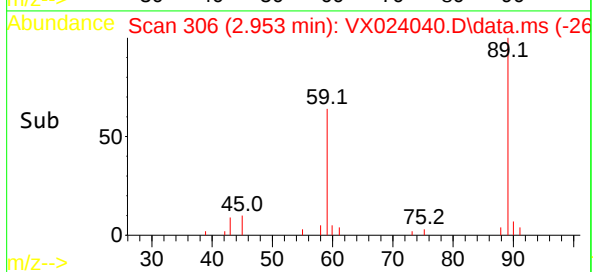
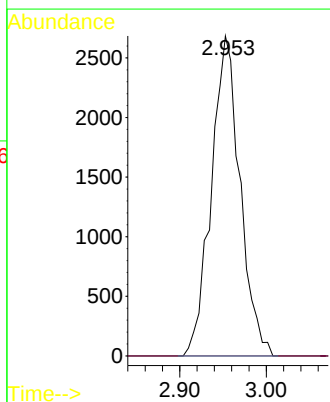
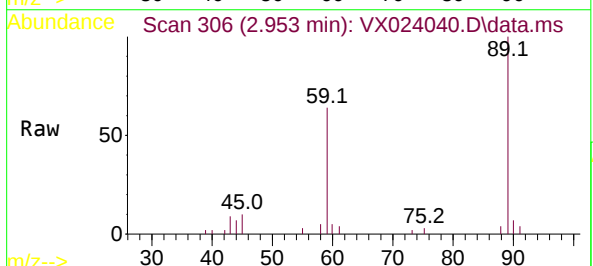


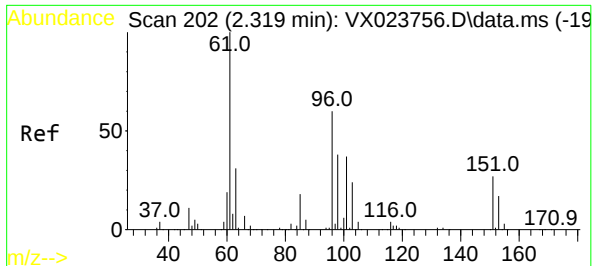
Tgt Ion:142 Resp: 446
Ion Ratio Lower Upper
142 100
127 40.8 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 15.204 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

Tgt Ion: 59 Resp: 6172
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.561 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024040.D

Acq: 31 Aug 2021 13:38

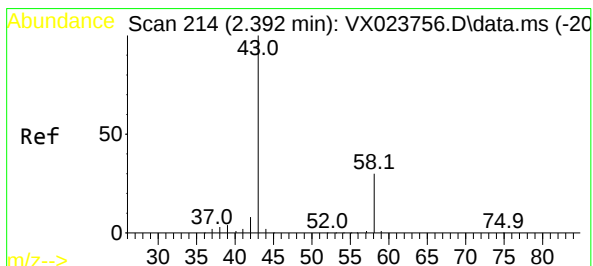
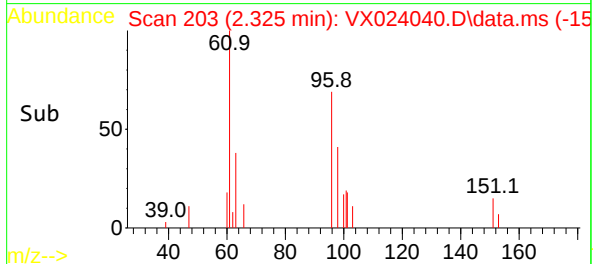
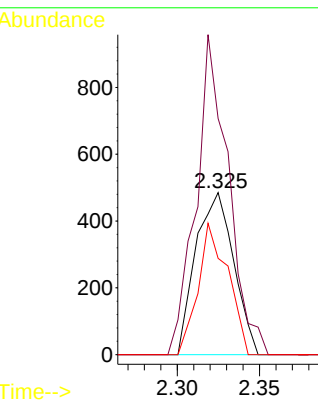
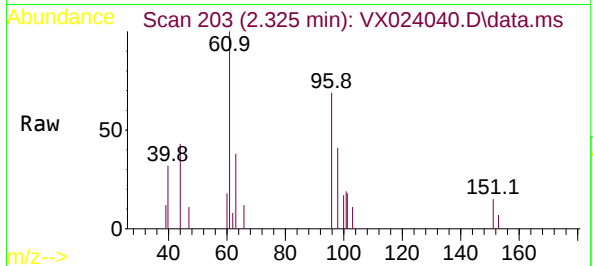
Tgt Ion: 96 Resp: 775

Ion Ratio Lower Upper

96 100

61 145.8 124.6 187.0

98 59.4 50.6 76.0



#16

Acetone

Concen: 2.686 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX024040.D

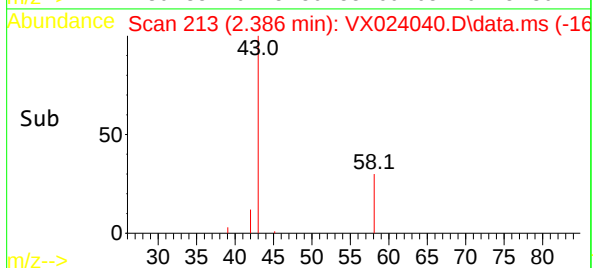
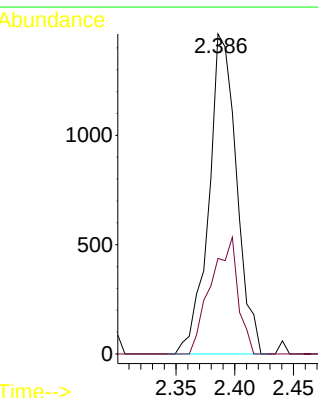
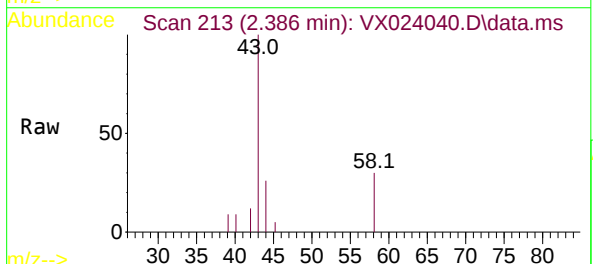
Acq: 31 Aug 2021 13:38

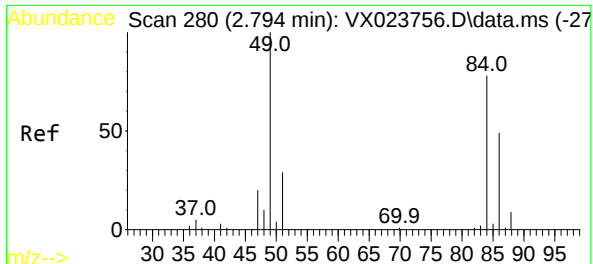
Tgt Ion: 43 Resp: 2411

Ion Ratio Lower Upper

43 100

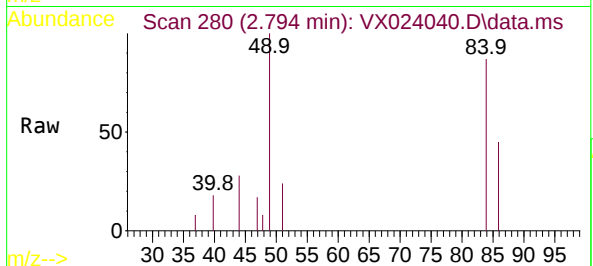
58 29.8 27.8 41.8



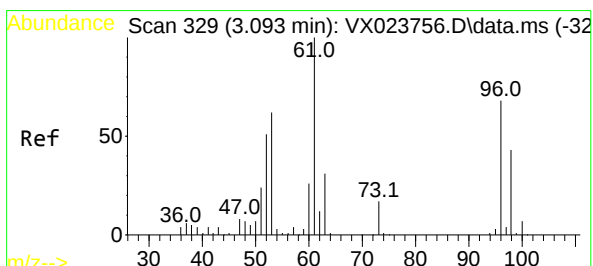
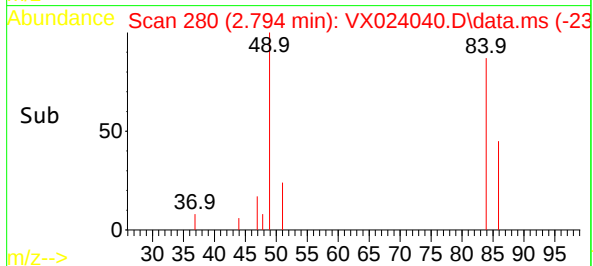
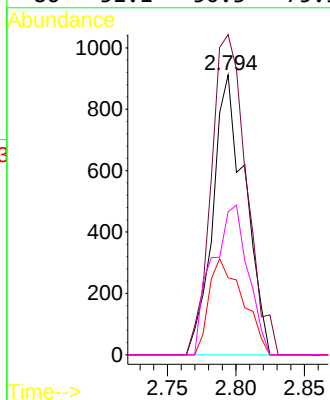


#20
Methylene Chloride
Concen: 0.867 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

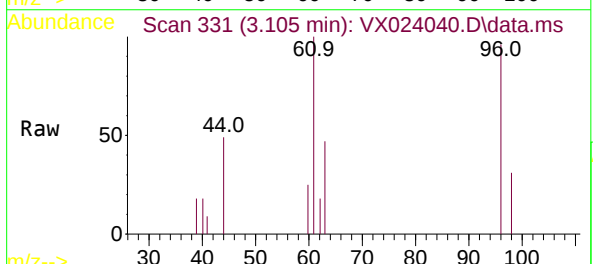
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210827



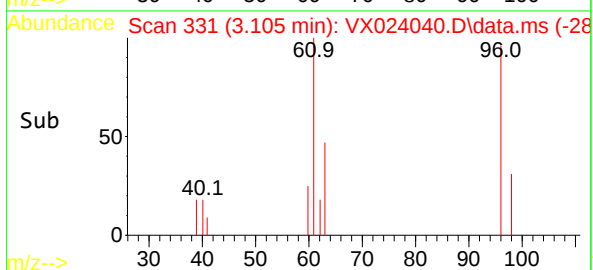
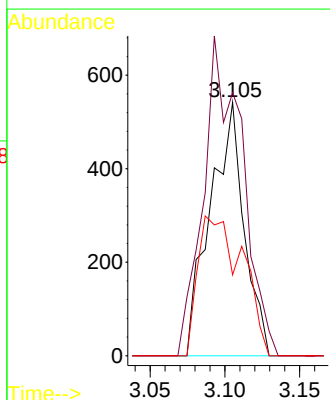
Tgt Ion: 84	Resp: 1486
Ion Ratio	Lower Upper
84 100	
49 114.4	88.6 132.8
51 27.5	27.0 40.6
86 51.1	50.3 75.5

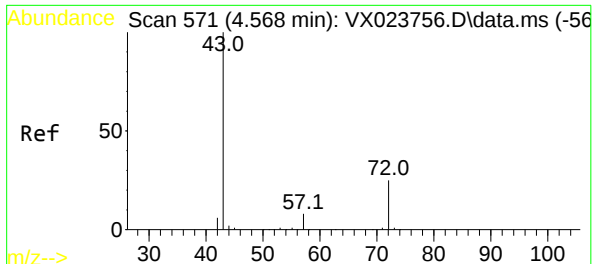


#21
trans-1,2-Dichloroethene
Concen: 0.581 ug/l
RT: 3.105 min Scan# 331
Delta R.T. 0.012 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38



Tgt Ion: 96	Resp: 856		
Ion Ratio	Lower	Upper	
96 100			
61 103.9	107.7	161.5#	
98 31.9	50.4	75.6#	

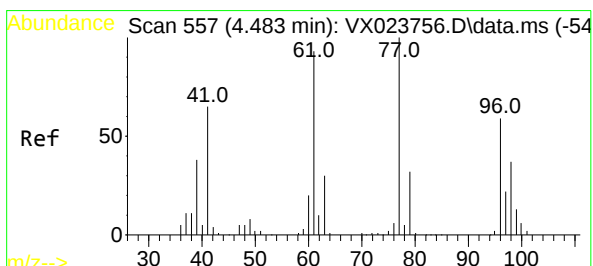
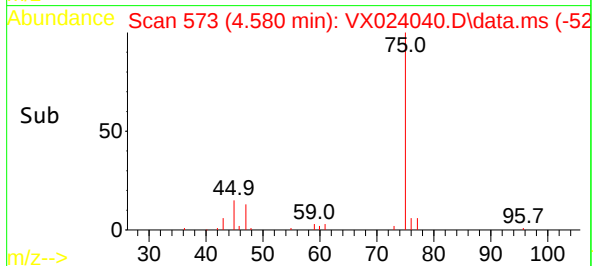
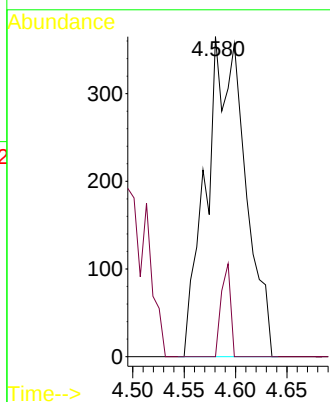
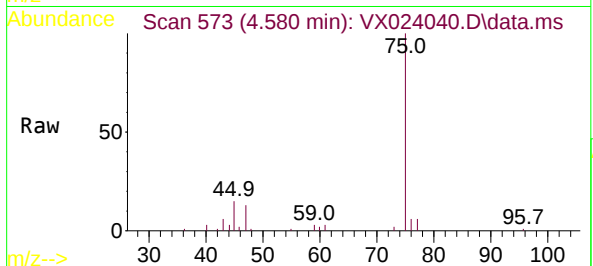




#25
2-Butanone
Concen: 0.708 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

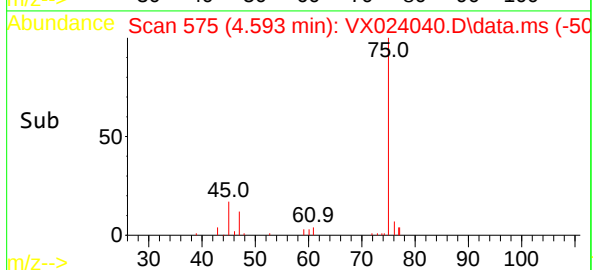
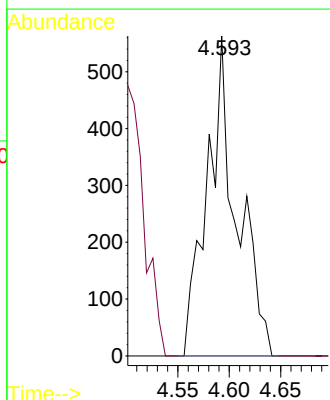
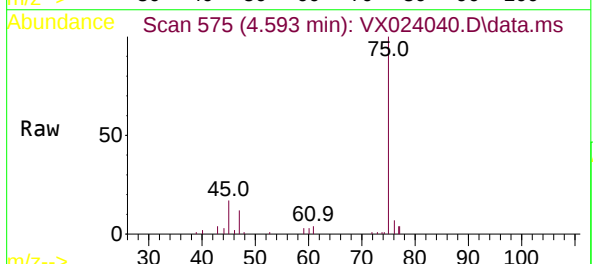
Instrument :
MSVOA_X
ClientSampleId :
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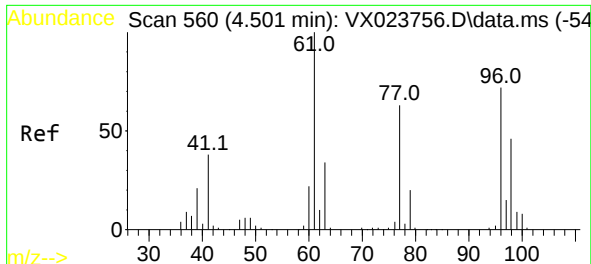
Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.488 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.110 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

Tgt Ion: 77 Resp: 1130
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



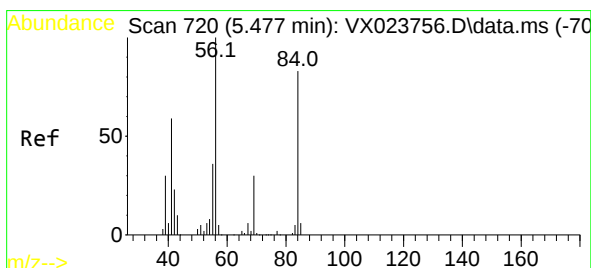
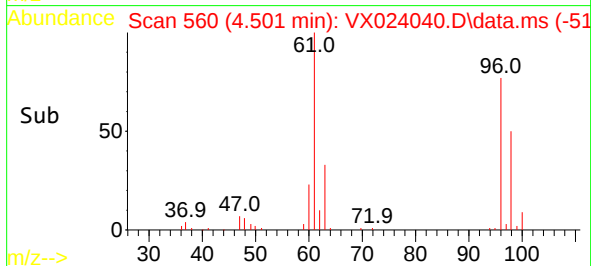
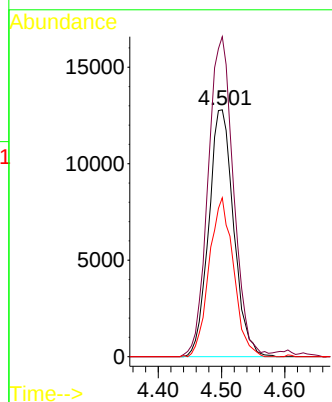
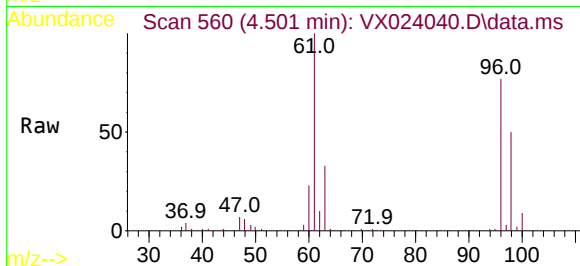


#27

cis-1,2-Dichloroethene
Concen: 19.987 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.000 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210827

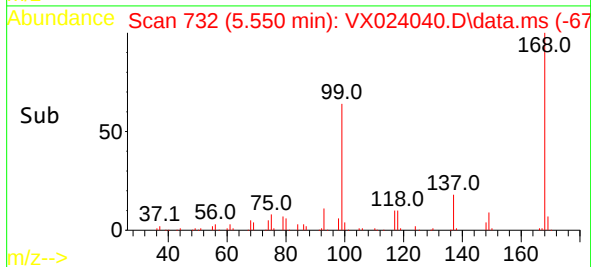
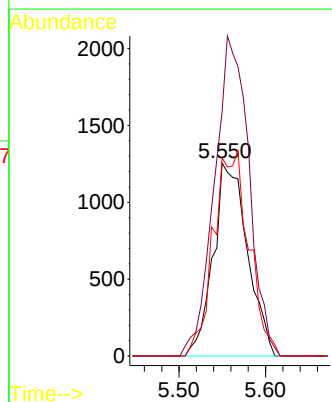
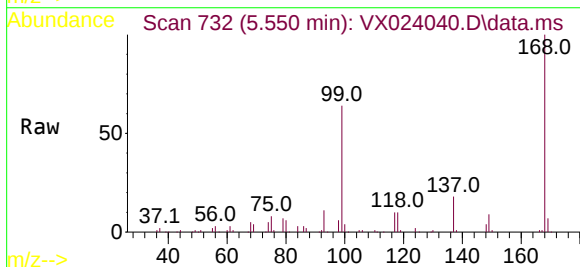
Tgt Ion:	96	Resp:	35063
Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	285.6
98	62.8	0.0	129.6

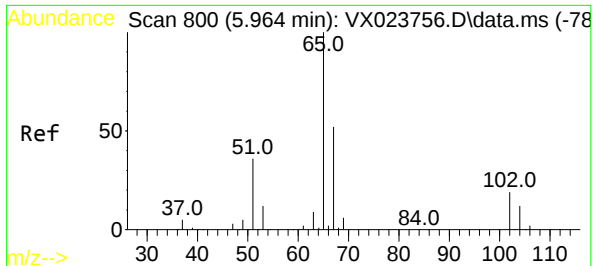


#31

Cyclohexane
Concen: 1.331 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

Tgt Ion:	56	Resp:	3433
Ion	Ratio	Lower	Upper
56	100		
69	126.8	25.3	37.9#
84	102.7	71.4	107.0



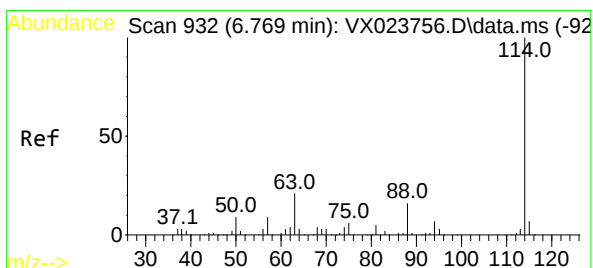
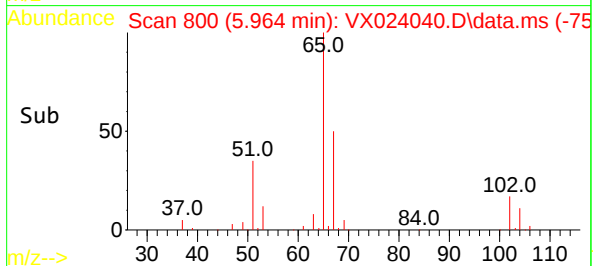
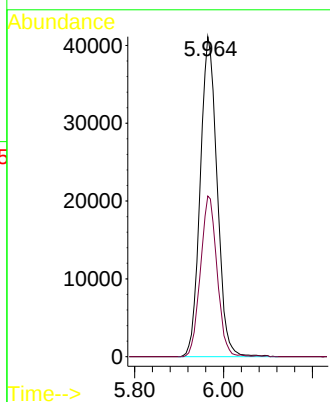
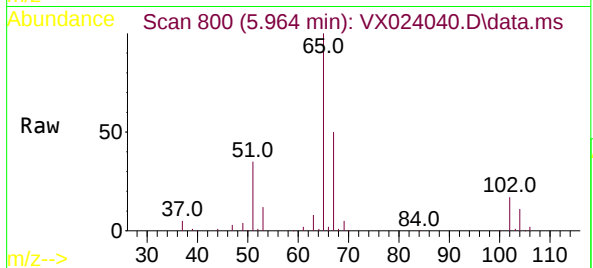


#33

1,2-Dichloroethane-d4
Concen: 54.245 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210827

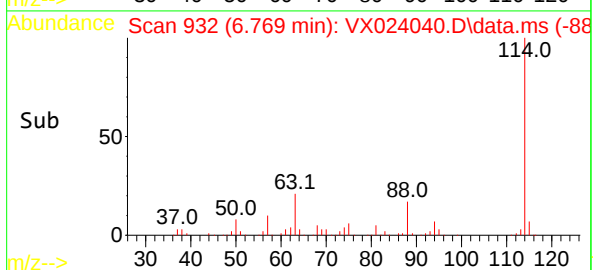
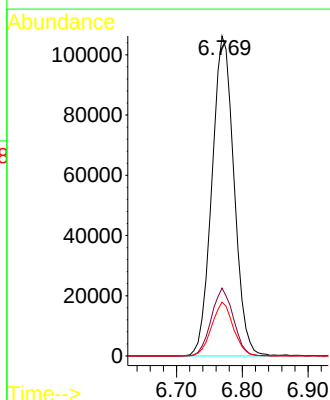
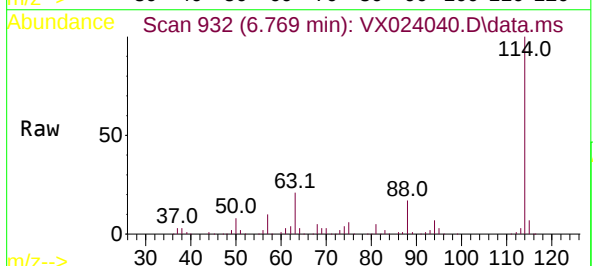
Tgt Ion: 65 Resp: 108887
Ion Ratio Lower Upper
65 100
67 49.3 0.0 105.4

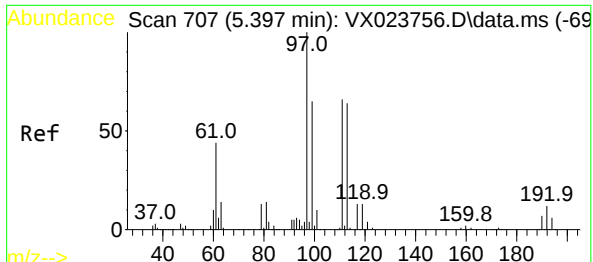


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

Tgt Ion: 114 Resp: 248345
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 16.8 0.0 32.8

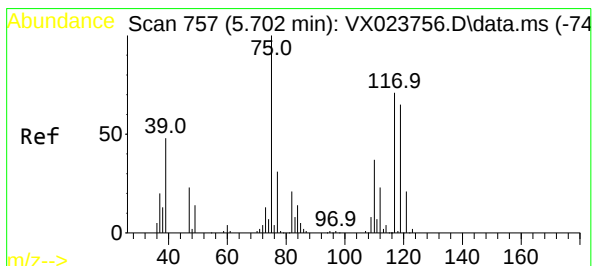
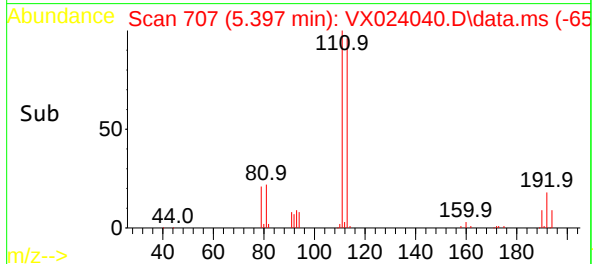
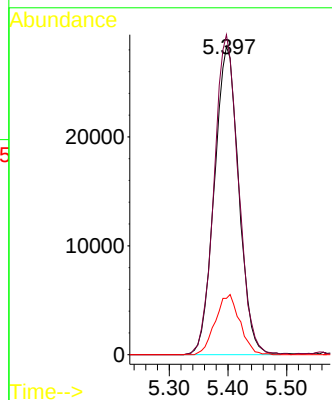
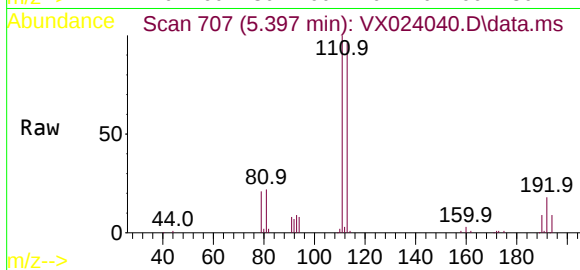




#35
Dibromofluoromethane
Concen: 49.653 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

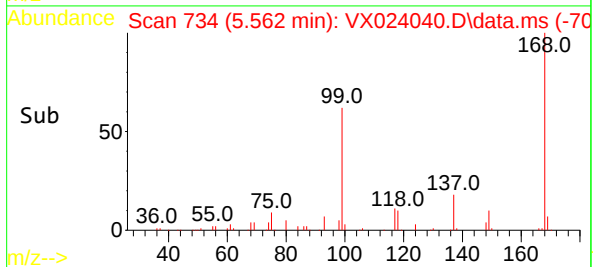
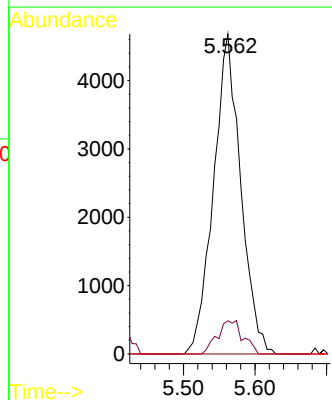
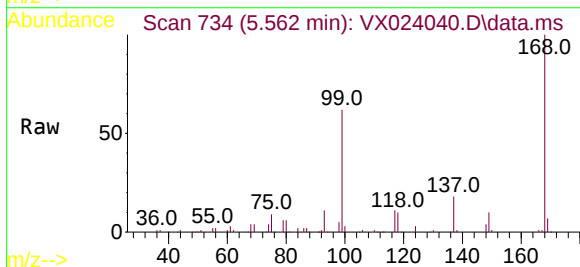
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210827

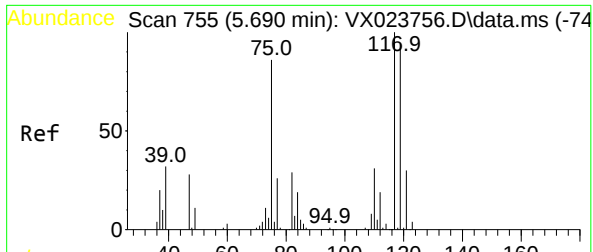
Tgt Ion:	113	Resp:	81617
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	19.6	16.7	25.1



#36
1,1-Dichloropropene
Concen: 5.370 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

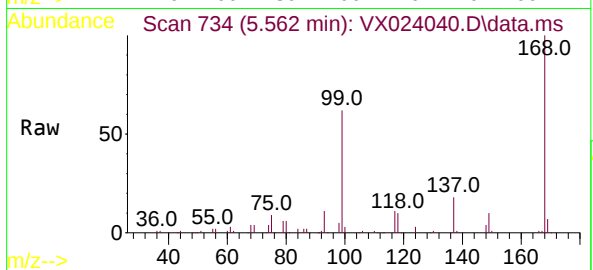
Tgt Ion:	75	Resp:	12350
Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.4#
77	0.0	25.3	37.9#



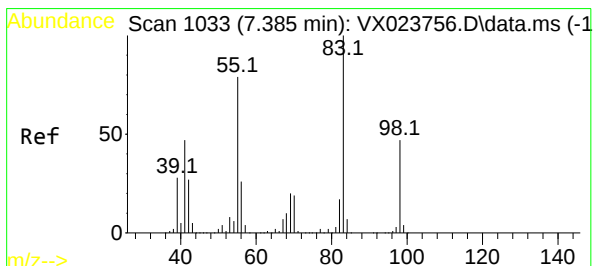
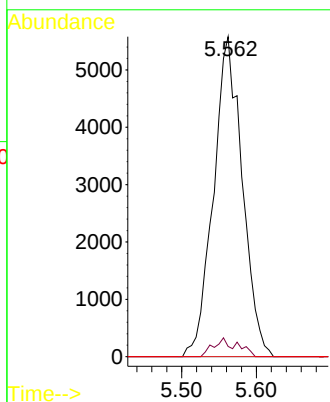
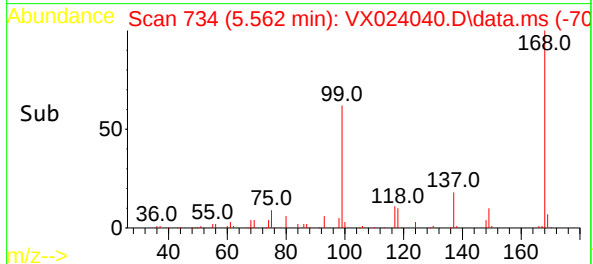


#38
Carbon Tetrachloride
Concen: 6.226 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

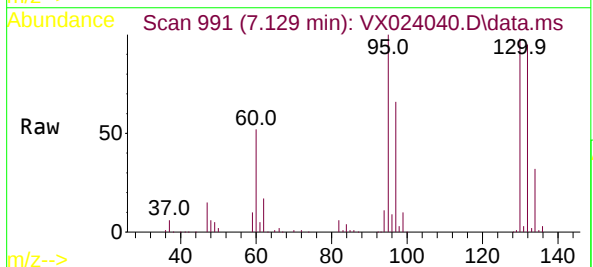
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210827



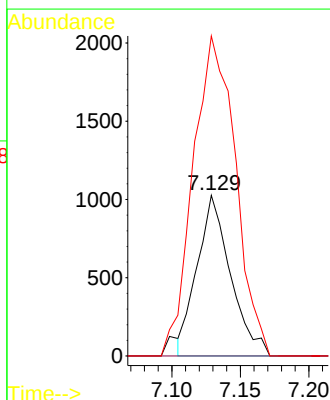
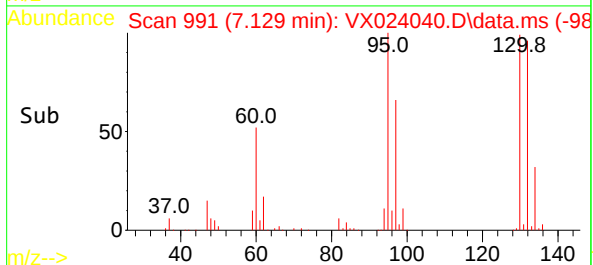
Tgt Ion:117 Resp: 14932
Ion Ratio Lower Upper
117 100
119 3.2 76.2 114.2#
121 0.0 24.8 37.2#

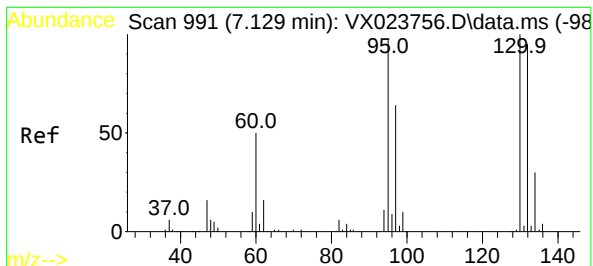


#39
Methylcyclohexane
Concen: 0.623 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38



Tgt Ion: 83 Resp: 1744
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 199.1 38.1 57.1#

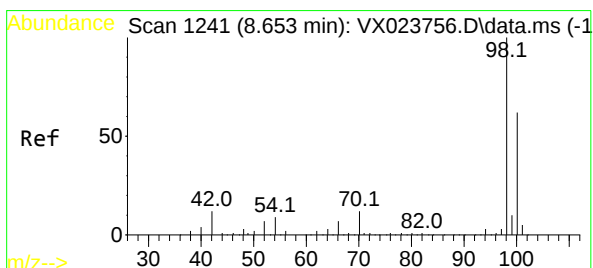
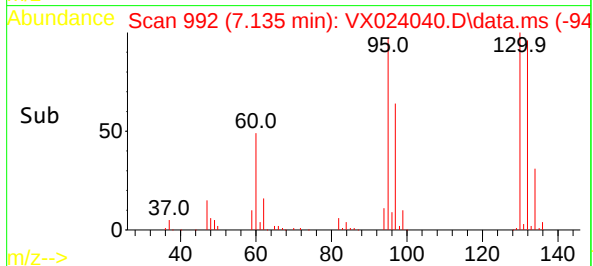
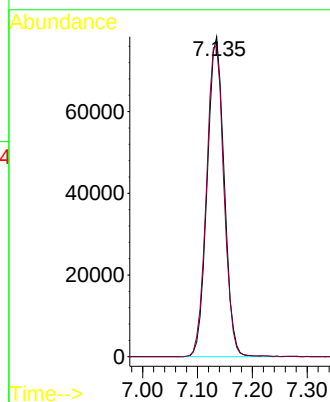
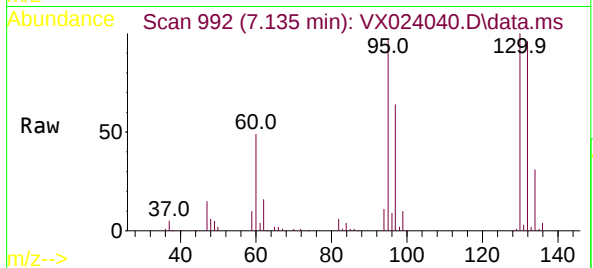




#44
Trichloroethene
Concen: 89.740 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

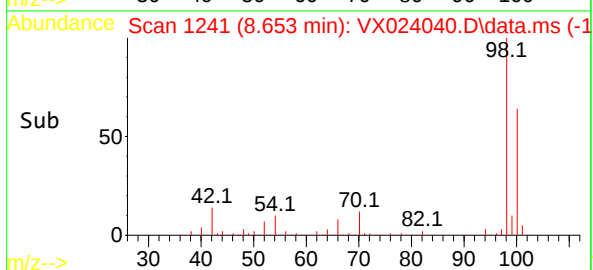
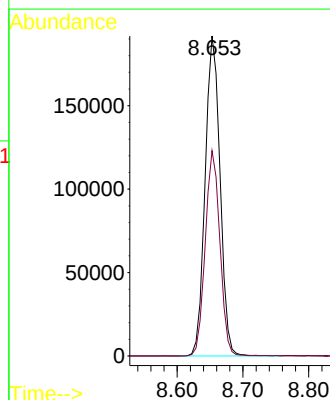
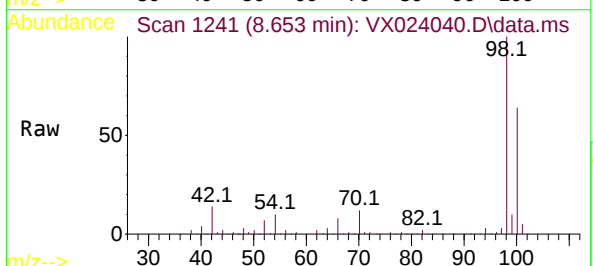
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210827

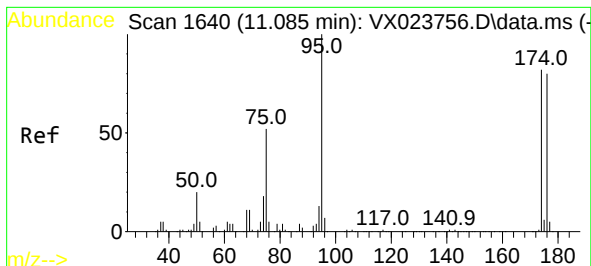
Tgt Ion:130 Resp: 168587
Ion Ratio Lower Upper
130 100
95 97.0 0.0 198.0



#50
Toluene-d8
Concen: 48.395 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

Tgt Ion: 98 Resp: 302763
Ion Ratio Lower Upper
98 100
100 62.9 51.9 77.9

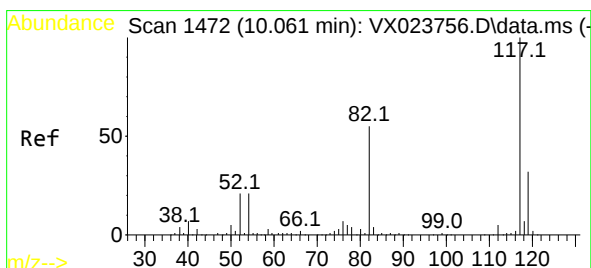
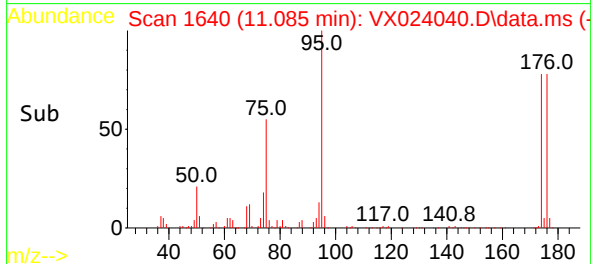
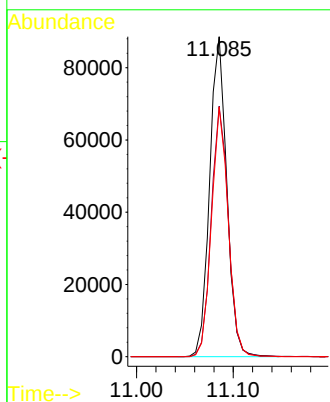
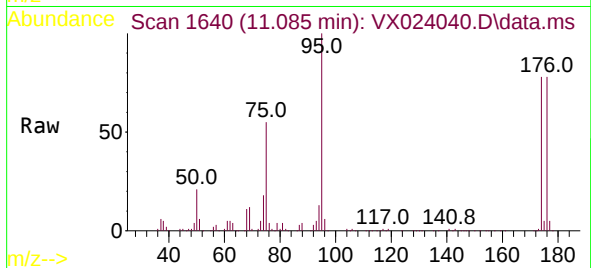




#62
4-Bromofluorobenzene
Concen: 47.243 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

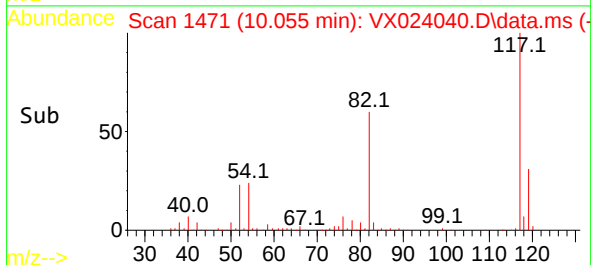
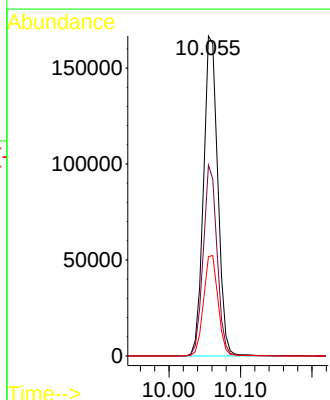
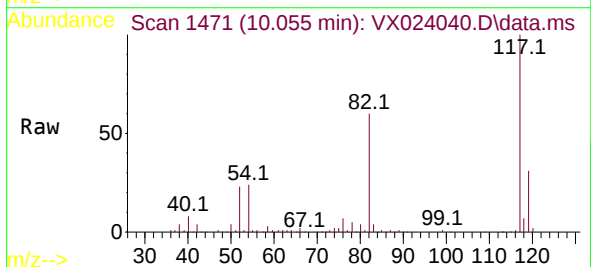
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210827

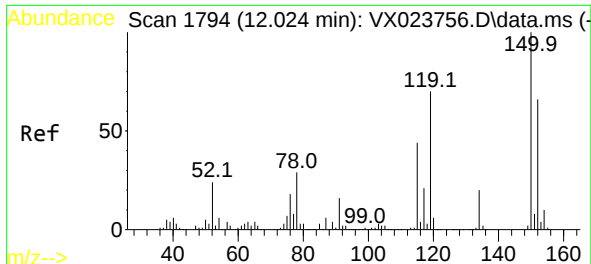
Tgt Ion: 95 Resp: 108803
Ion Ratio Lower Upper
95 100
174 78.1 0.0 154.6
176 76.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

Tgt Ion: 117 Resp: 231672
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 31.1 26.6 39.8

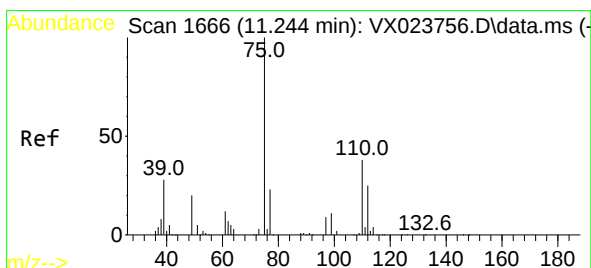
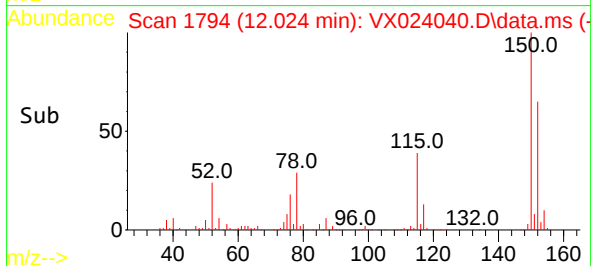
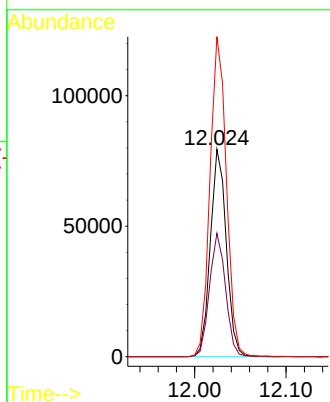
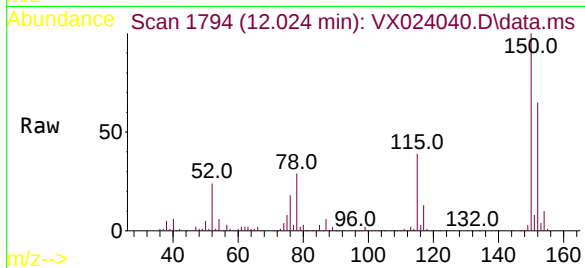




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

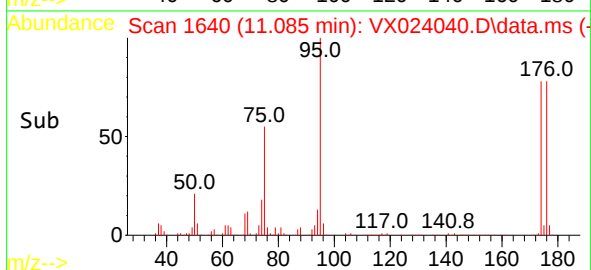
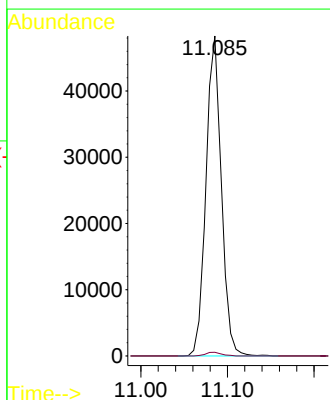
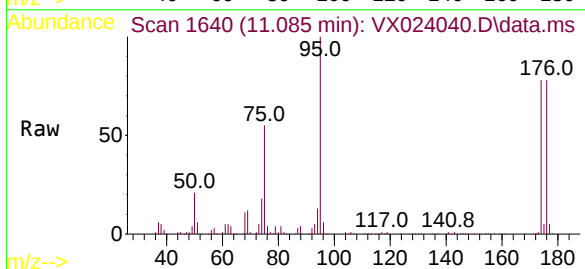
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210827

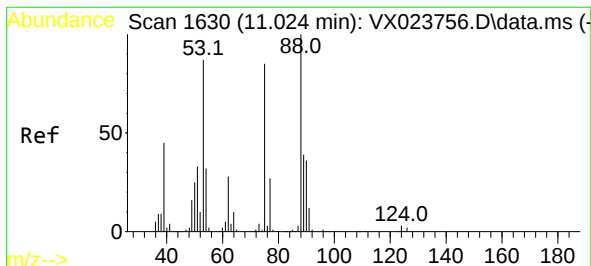
Tgt Ion:152 Resp: 96014
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 158.8 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.598 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

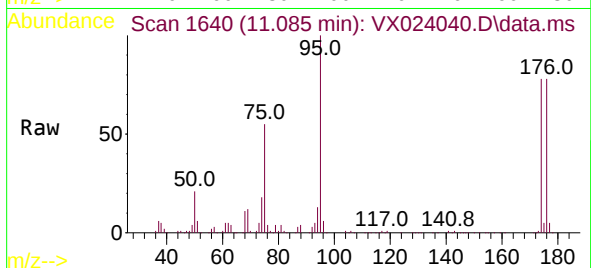
Tgt Ion: 75 Resp: 59573
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.239 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024040.D
Acq: 31 Aug 2021 13:38

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20210827



Tgt Ion: 75 Resp: 59573
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

