

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034454.D
 Acq On : 14 Mar 2023 11:01
 Operator : JC/MD
 Sample : 01879-12DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

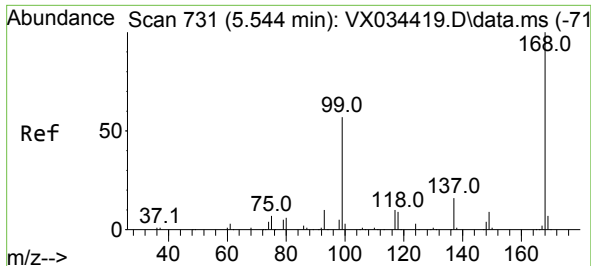
Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20230308DL

Quant Time: Mar 15 06:36:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	265416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	448906	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	399192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	168418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	175395	45.424	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.840%
35) Dibromofluoromethane	5.385	113	142588	48.108	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.220%
50) Toluene-d8	8.647	98	542711	49.050	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.100%
62) 4-Bromofluorobenzene	11.079	95	227909	50.996	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	545	Below Cal		93
9) 1,1,2-Trichlorotrifluo...	2.331	101	3672	1.245	ug/l	98
11) Tert butyl alcohol	2.947	59	5780	7.188	ug/l #	76
12) 1,1-Dichloroethene	2.325	96	705	0.243	ug/l #	89
13) Acrolein	2.239	56	312	0.490	ug/l #	44
15) Acrylonitrile	3.075	53	382	0.220	ug/l #	74
16) Acetone	2.380	43	1384	0.761	ug/l #	74
17) Carbon Disulfide	2.514	76	1899	0.232	ug/l #	92
20) Methylene Chloride	2.788	84	1228	0.348	ug/l #	84
27) cis-1,2-Dichloroethene	4.489	96	17002	4.577	ug/l	86
30) Chloroform	5.086	83	1774	0.300	ug/l #	67
31) Cyclohexane	5.550	56	6178	1.141	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	21717	4.771	ug/l #	50
38) Carbon Tetrachloride	5.550	117	26354	5.819	ug/l #	15
42) 1,2-Dichloroethane	6.092	62	1455	0.297	ug/l #	75
44) Trichloroethene	7.123	130	162985	47.103	ug/l	97
49) 1,4-Dioxane	7.690	88	41	0.482	ug/l #	62
58) 2-Chloroethyl Vinyl ether	8.263	63	581	0.210	ug/l #	65
60) Dibromochloromethane	9.269	129	1338	0.390	ug/l #	10
64) Tetrachloroethene	9.269	164	1513	0.564	ug/l #	65
76) 1,2,3-Trichloropropane	11.079	75	120245	31.095	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	120245	84.120	ug/l #	8
94) Hexachlorobutadiene	13.725	225	819	0.550	ug/l	84
96) 1,2,3-Trichlorobenzene	13.963	180	798	0.221	ug/l	88

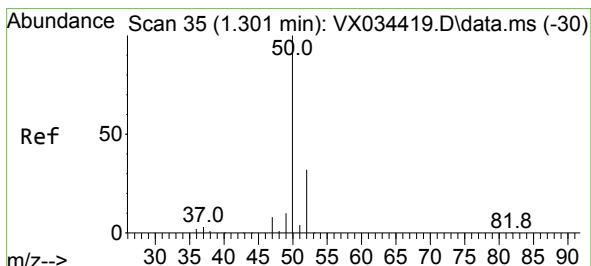
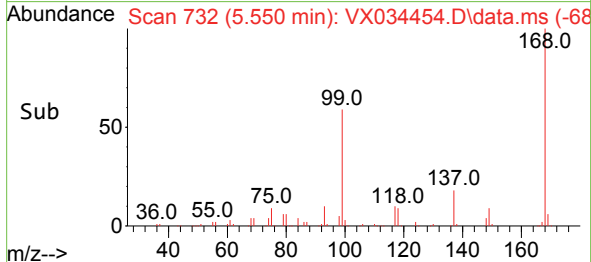
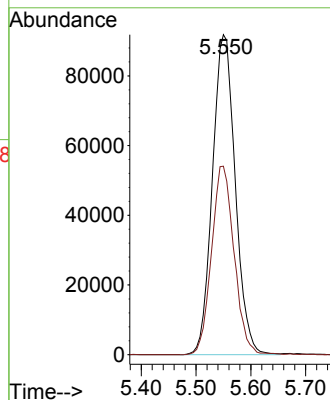
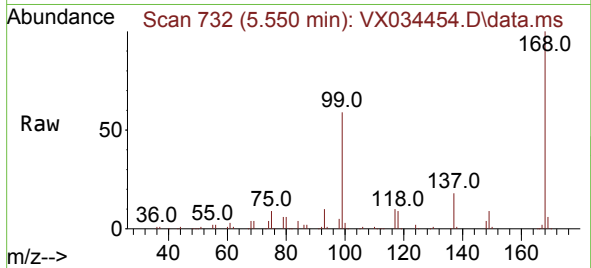
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

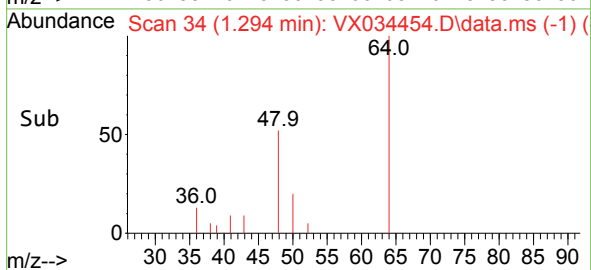
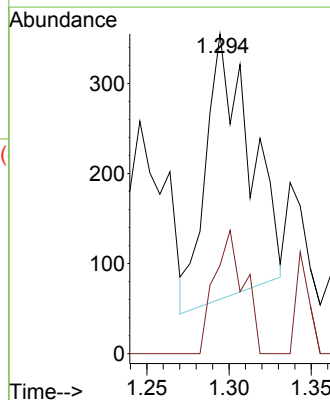
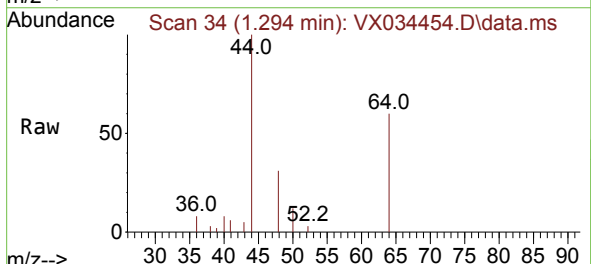
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308DL

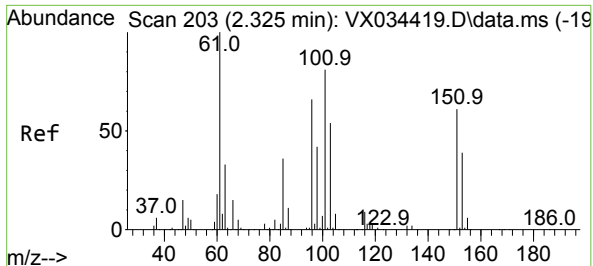
Tgt Ion:168 Resp: 265416
Ion Ratio Lower Upper
168 100
99 58.9 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

Tgt Ion: 50 Resp: 545
Ion Ratio Lower Upper
50 100
52 36.3 25.9 38.9

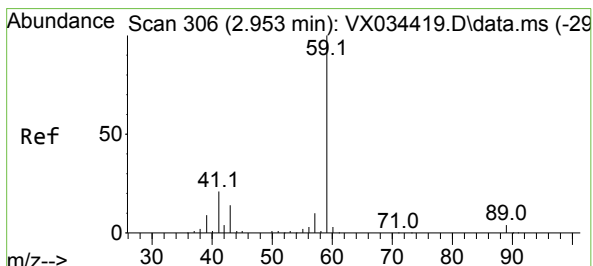
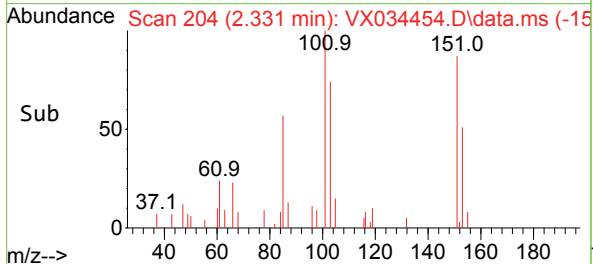
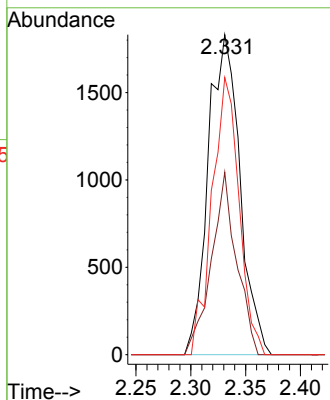
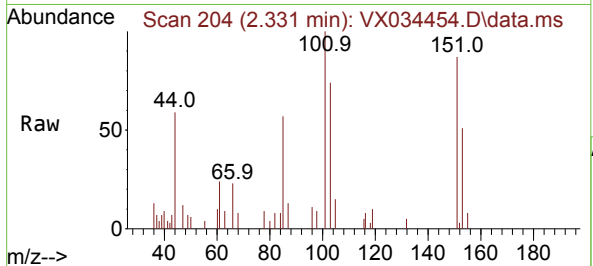




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.245 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

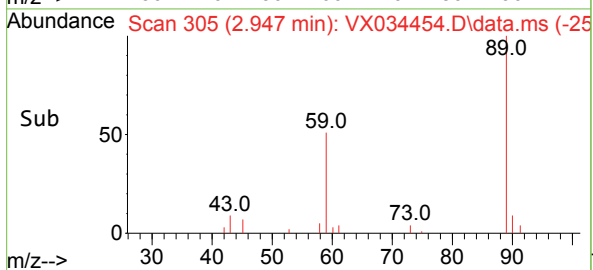
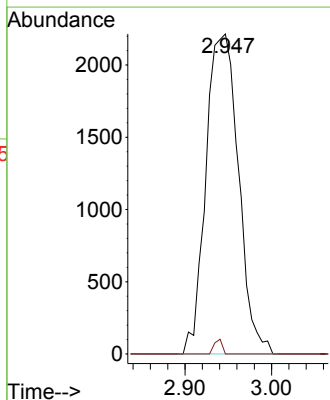
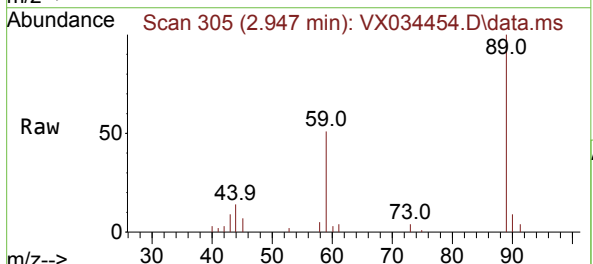
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308DL

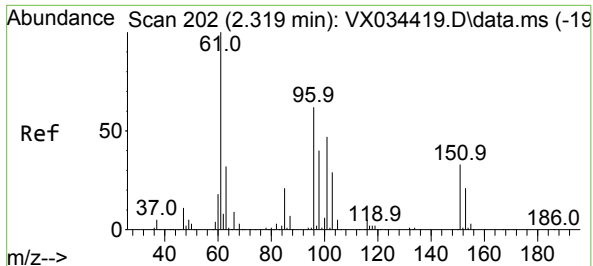
Tgt Ion:101 Resp: 3672
Ion Ratio Lower Upper
101 100
85 45.5 35.4 53.2
151 73.9 60.2 90.4



#11
Tert butyl alcohol
Concen: 7.188 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

Tgt Ion: 59 Resp: 5780
Ion Ratio Lower Upper
59 100
57 1.1 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 0.243 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX034454.D

Acq: 14 Mar 2023 11:01

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20230308DL

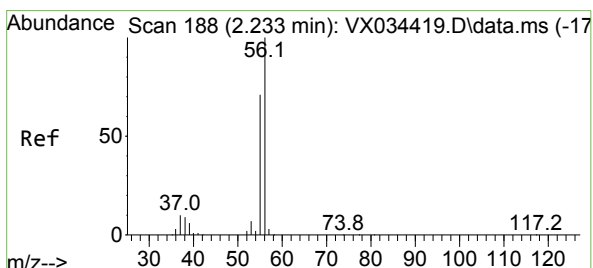
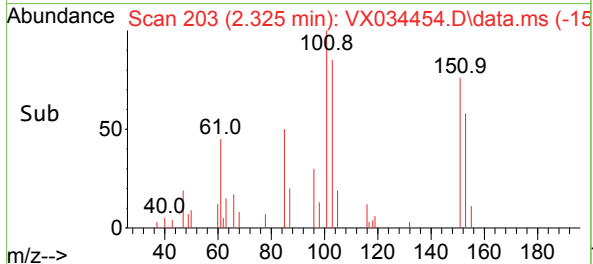
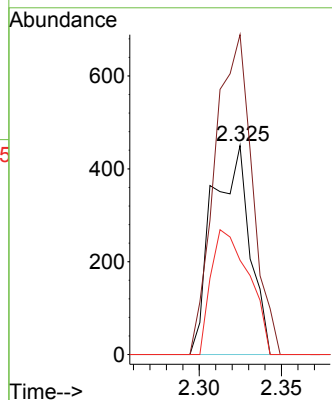
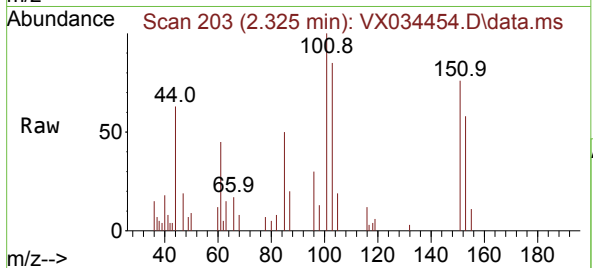
Tgt Ion: 96 Resp: 705

Ion Ratio Lower Upper

96 100

61 153.1 128.8 193.2

98 45.1 51.4 77.0#



#13

Acrolein

Concen: 0.490 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX034454.D

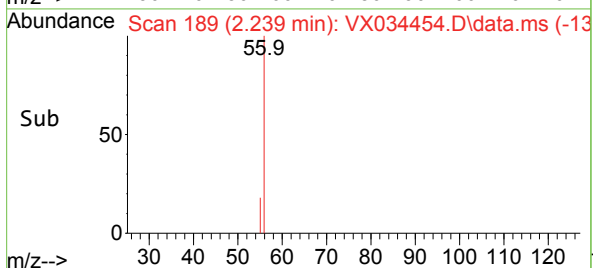
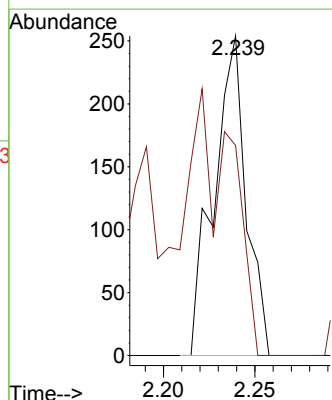
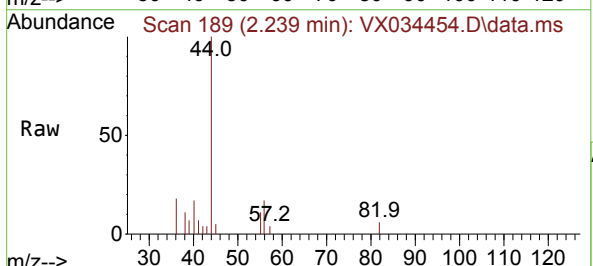
Acq: 14 Mar 2023 11:01

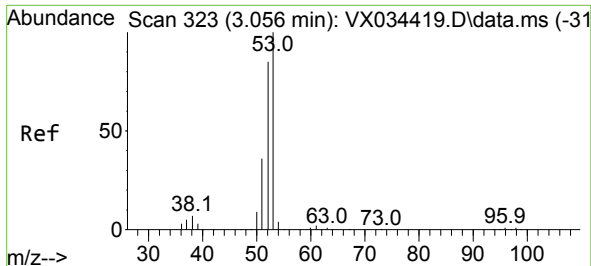
Tgt Ion: 56 Resp: 312

Ion Ratio Lower Upper

56 100

55 24.4 56.6 85.0#

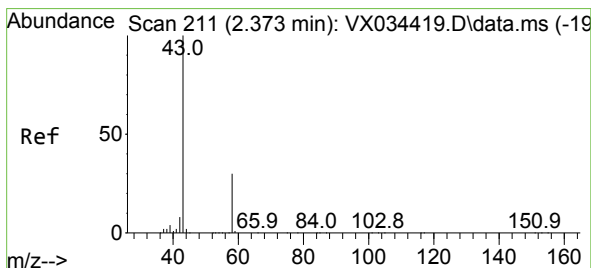
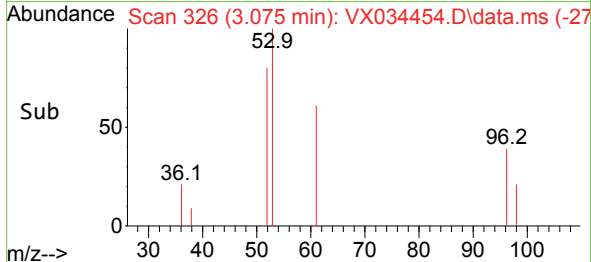
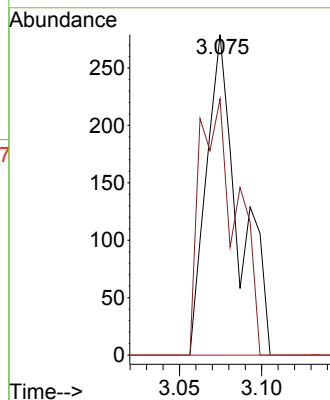
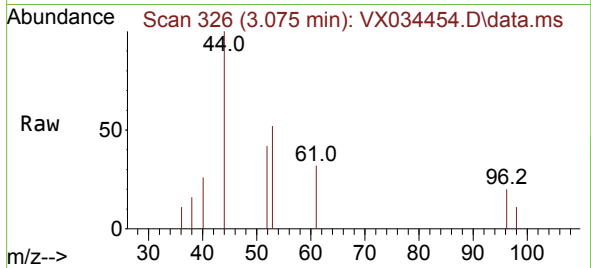




#15
Acrylonitrile
Concen: 0.220 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.019 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

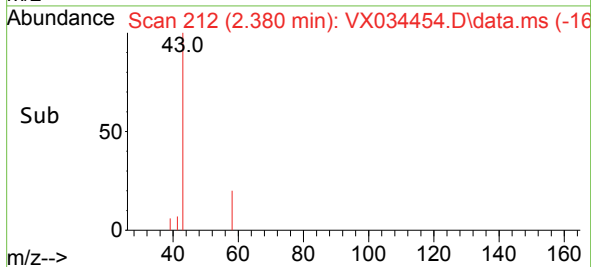
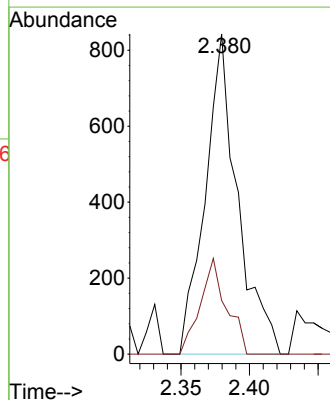
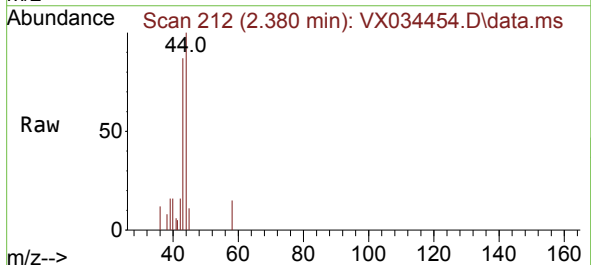
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308DL

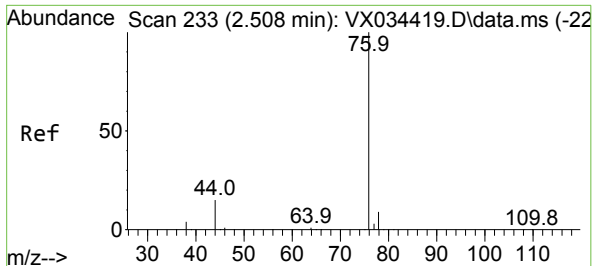
Tgt Ion: 53 Resp: 382
Ion Ratio Lower Upper
53 100
52 92.1 66.2 99.2
51 0.0 28.3 42.5#



#16
Acetone
Concen: 0.761 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

Tgt Ion: 43 Resp: 1384
Ion Ratio Lower Upper
43 100
58 16.7 24.7 37.1#

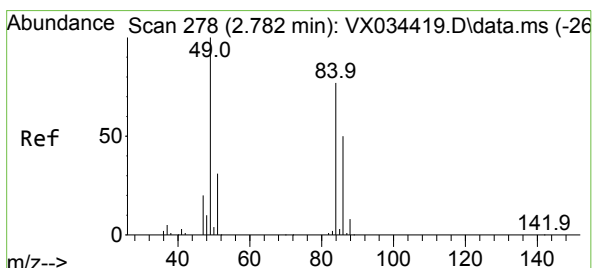
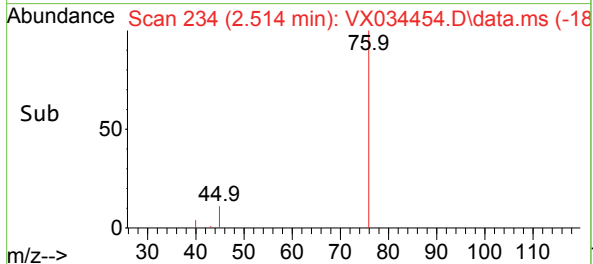
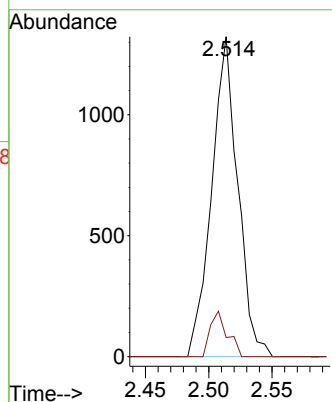
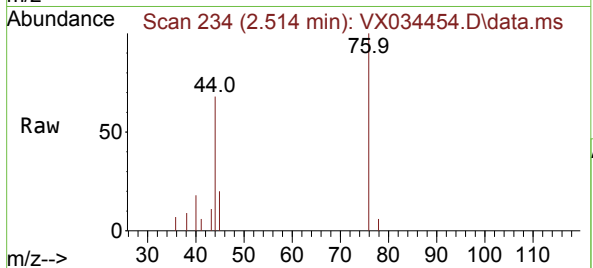




#17
Carbon Disulfide
Concen: 0.232 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

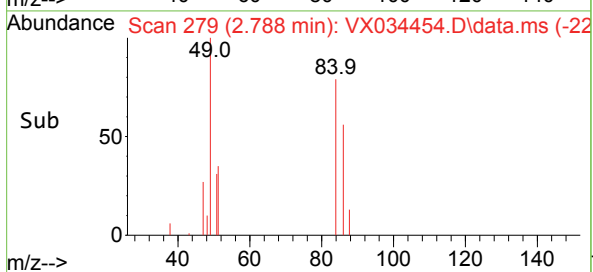
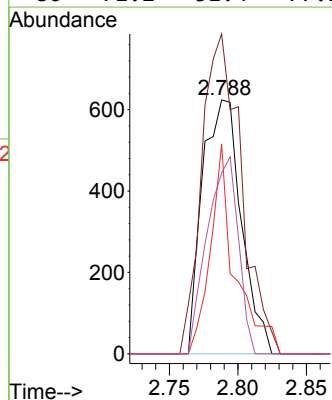
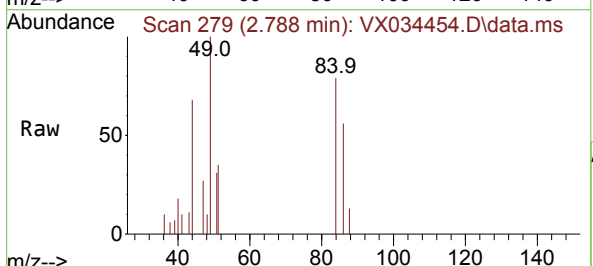
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308DL

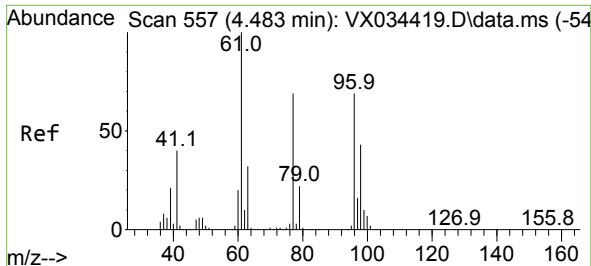
Tgt Ion: 76 Resp: 1899
Ion Ratio Lower Upper
76 100
78 6.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.348 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

Tgt Ion: 84 Resp: 1228
Ion Ratio Lower Upper
84 100
49 126.0 103.8 155.8
51 82.7 31.8 47.8#
86 71.2 51.4 77.2





#27

cis-1,2-Dichloroethene

Concen: 4.577 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX034454.D

Acq: 14 Mar 2023 11:01

Instrument :

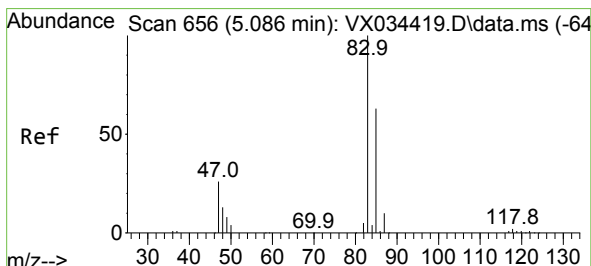
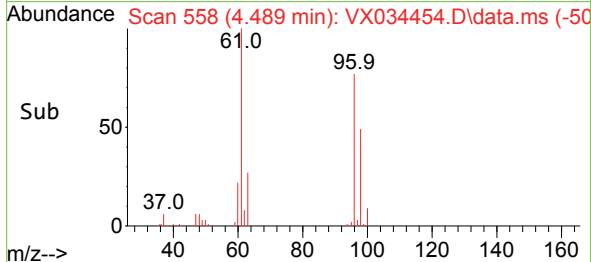
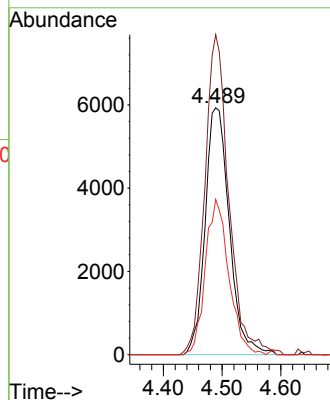
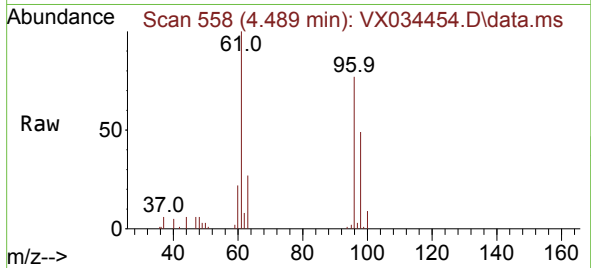
MSVOA_X

ClientSampleId :

RE104D2-20230308DL

Tgt Ion: 96 Resp: 17002

Ion	Ratio	Lower	Upper
96	100		
61	128.2	0.0	300.4
98	60.9	0.0	129.0



#30

Chloroform

Concen: 0.300 ug/l

RT: 5.086 min Scan# 656

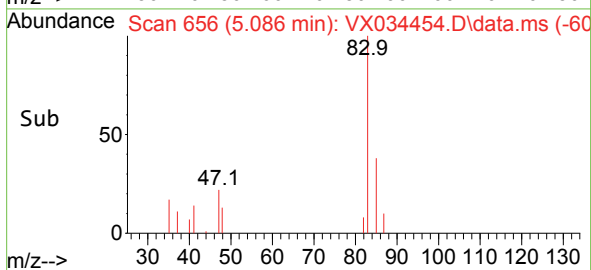
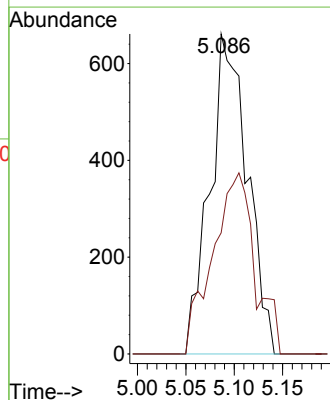
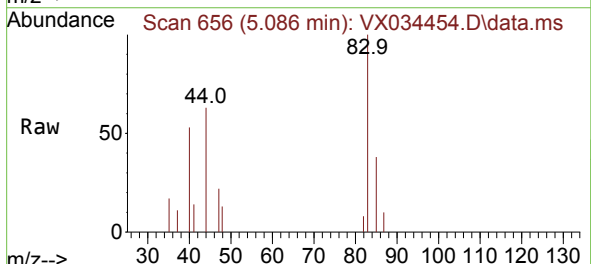
Delta R.T. 0.000 min

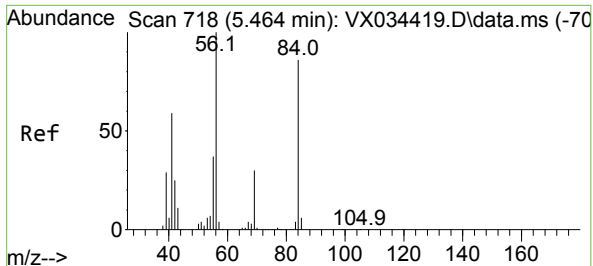
Lab File: VX034454.D

Acq: 14 Mar 2023 11:01

Tgt Ion: 83 Resp: 1774

Ion	Ratio	Lower	Upper
83	100		
85	37.8	50.6	76.0#

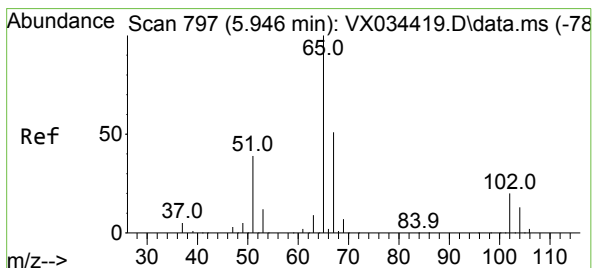
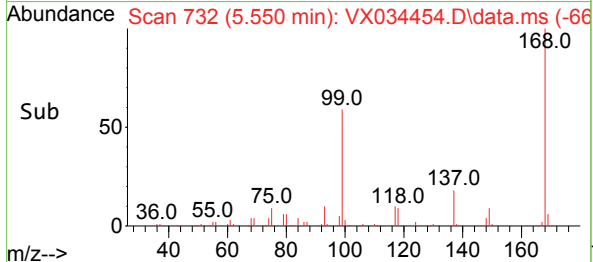
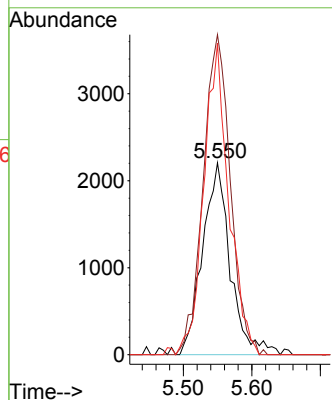
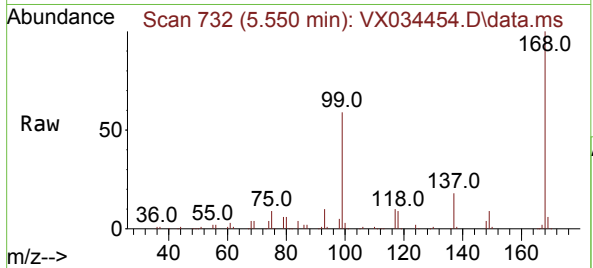




#31
Cyclohexane
Concen: 1.141 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

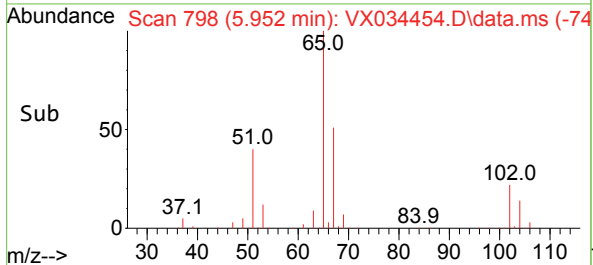
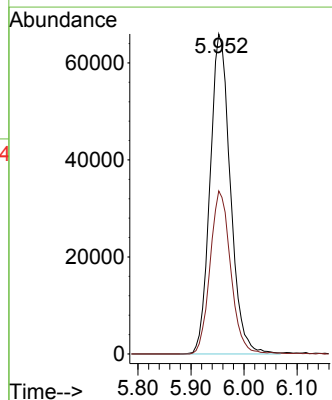
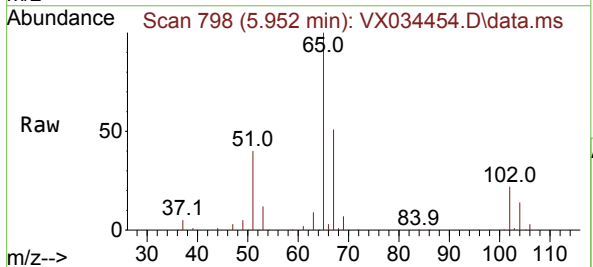
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308DL

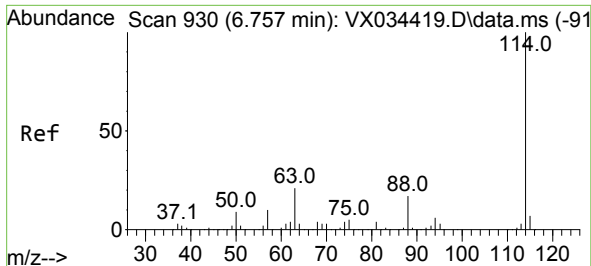
Tgt Ion: 56 Resp: 6178
Ion Ratio Lower Upper
56 100
69 166.8 23.7 35.5#
84 162.4 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 45.424 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

Tgt Ion: 65 Resp: 175395
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0

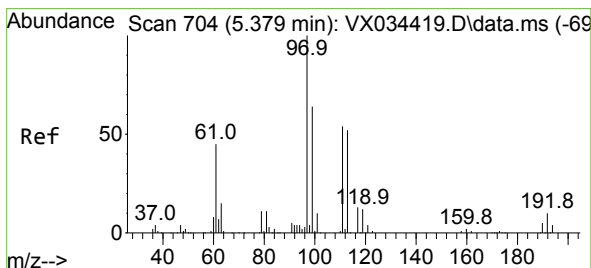
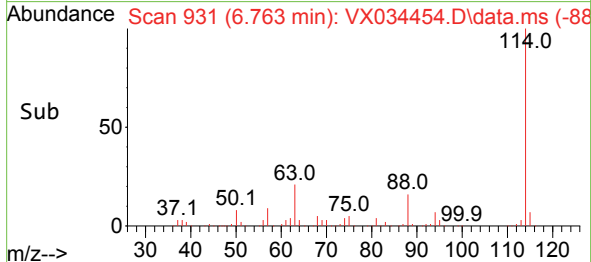
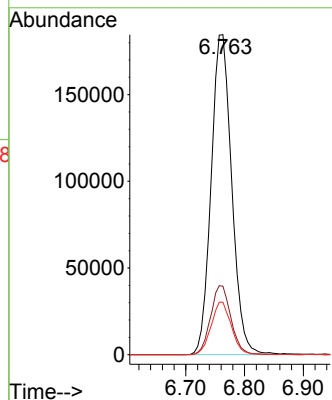
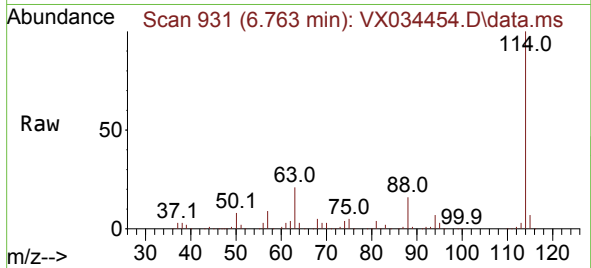




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

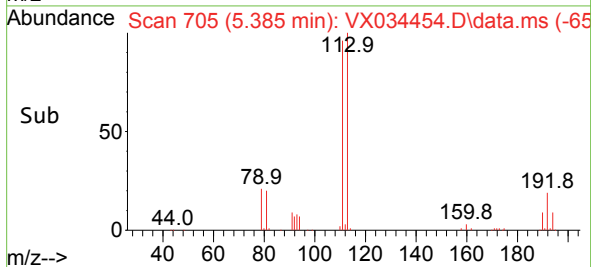
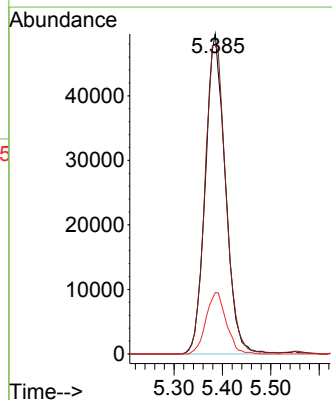
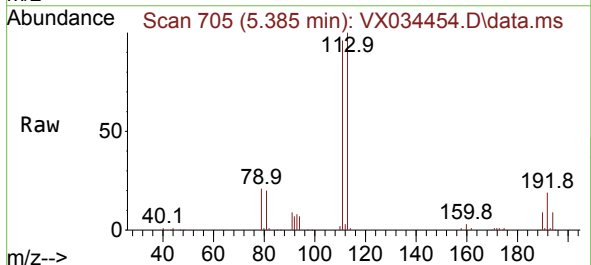
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308DL

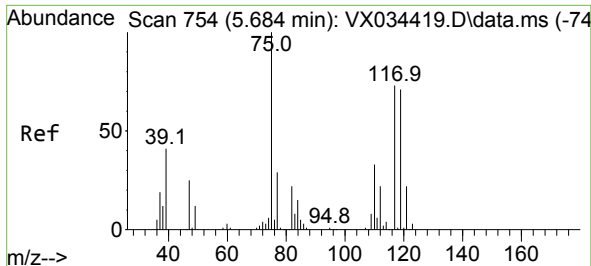
Tgt Ion:114 Resp: 448906
Ion Ratio Lower Upper
114 100
63 21.4 0.0 42.2
88 16.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.108 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

Tgt Ion:113 Resp: 142588
Ion Ratio Lower Upper
113 100
111 101.1 83.7 125.5
192 19.5 15.4 23.2

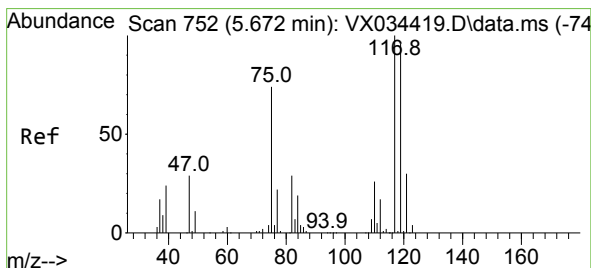
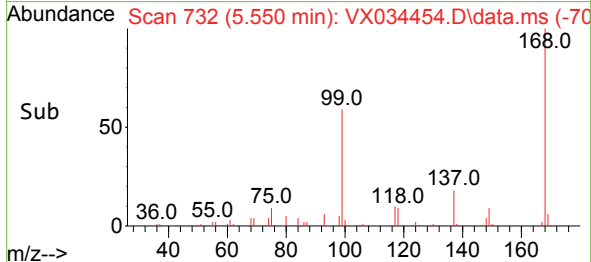
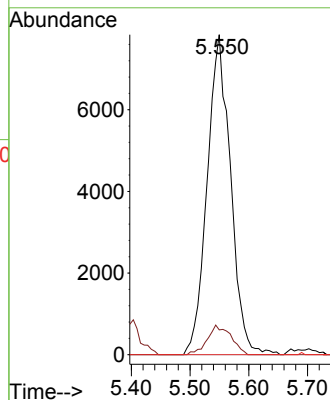
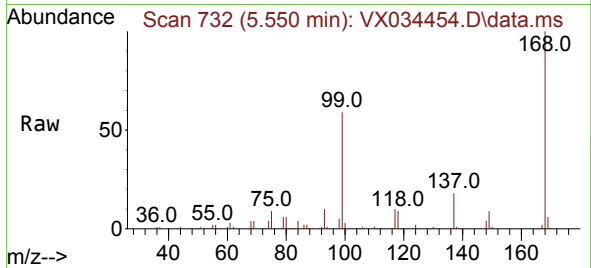




#36
1,1-Dichloropropene
Concen: 4.771 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

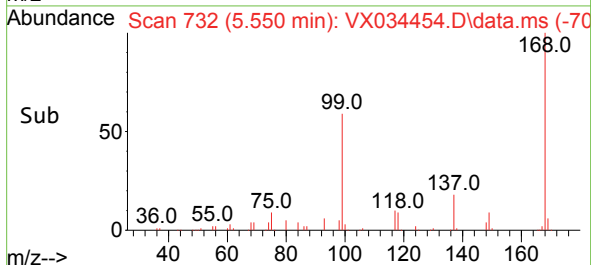
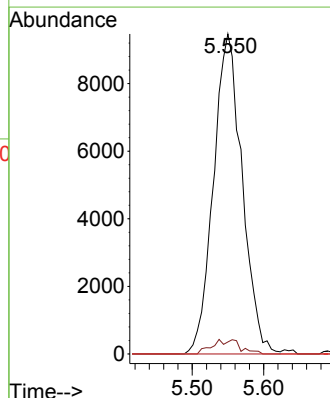
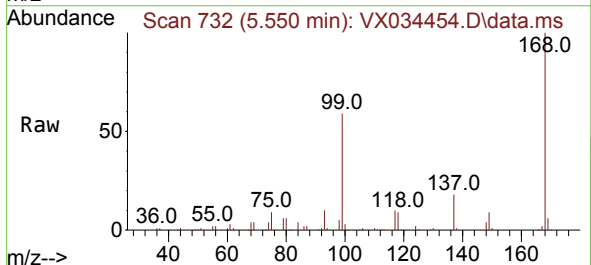
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308DL

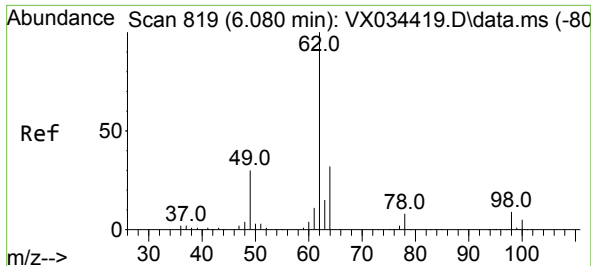
Tgt Ion: 75 Resp: 21717
Ion Ratio Lower Upper
75 100
110 9.3 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.819 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

Tgt Ion: 117 Resp: 26354
Ion Ratio Lower Upper
117 100
119 3.7 76.6 114.8#
121 0.0 23.8 35.6#





#42

1,2-Dichloroethane

Concen: 0.297 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX034454.D

Acq: 14 Mar 2023 11:01

Instrument :

MSVOA_X

ClientSampleId :

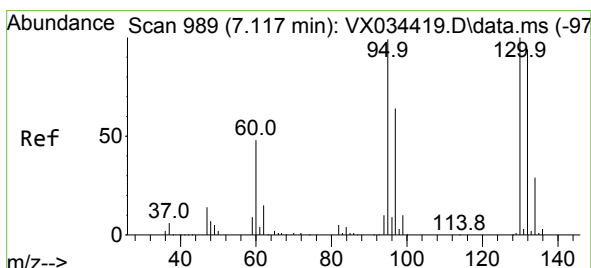
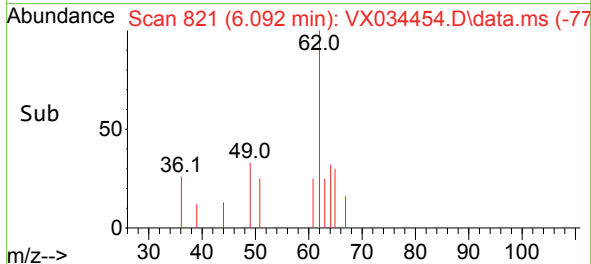
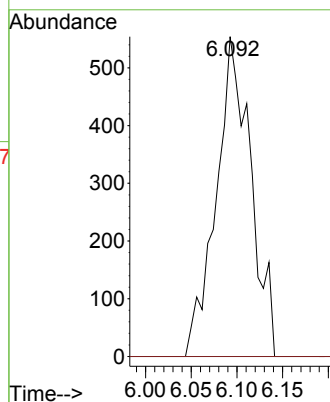
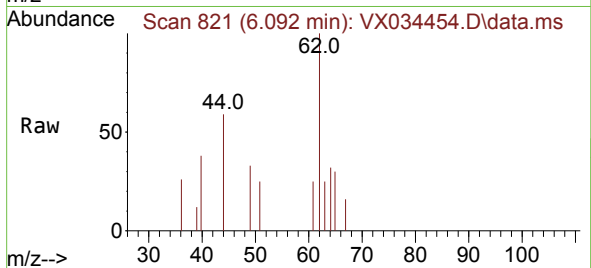
RE104D2-20230308DL

Tgt Ion: 62 Resp: 1455

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#44

Trichloroethene

Concen: 47.103 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX034454.D

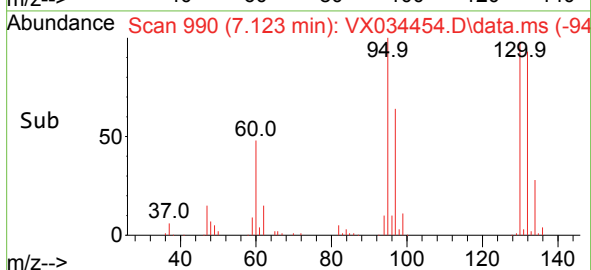
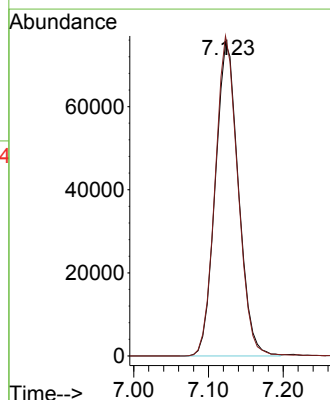
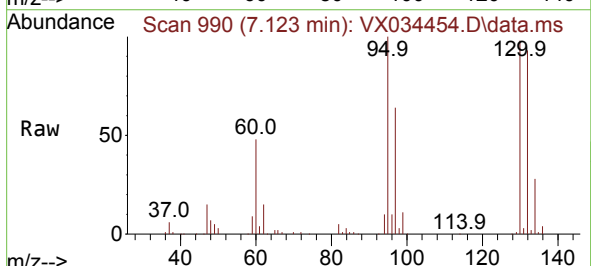
Acq: 14 Mar 2023 11:01

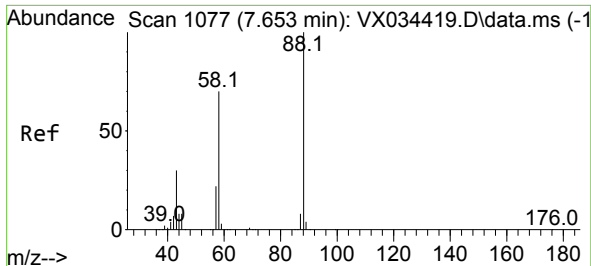
Tgt Ion:130 Resp: 162985

Ion Ratio Lower Upper

130 100

95 102.2 0.0 198.4





#49

1,4-Dioxane

Concen: 0.482 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.037 min

Lab File: VX034454.D

Acq: 14 Mar 2023 11:01

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20230308DL

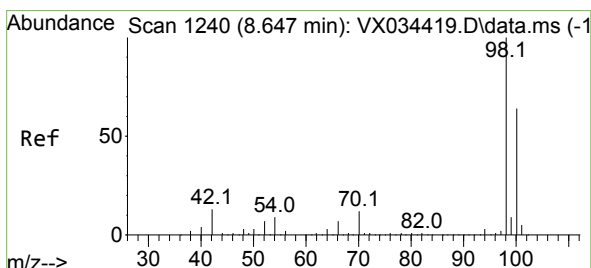
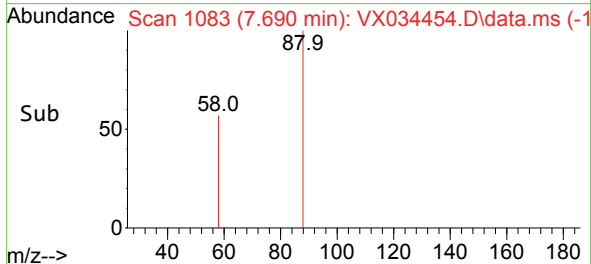
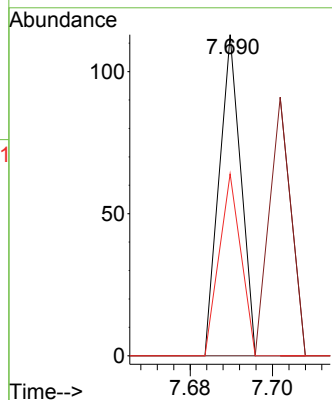
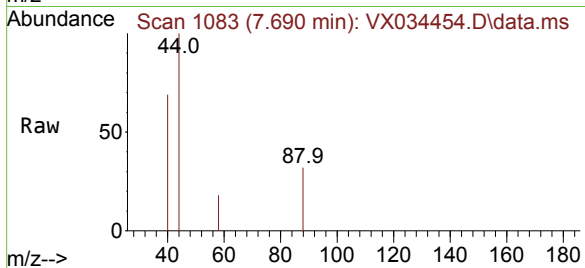
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 80.5 27.7 41.5#

58 56.1 56.8 85.2#



#50

Toluene-d8

Concen: 49.050 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034454.D

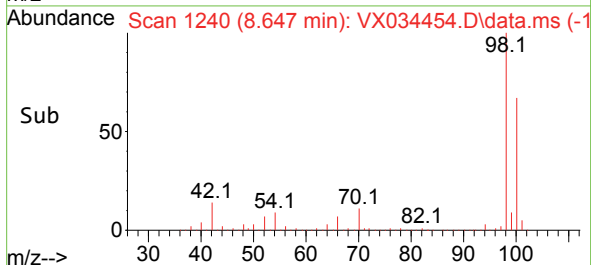
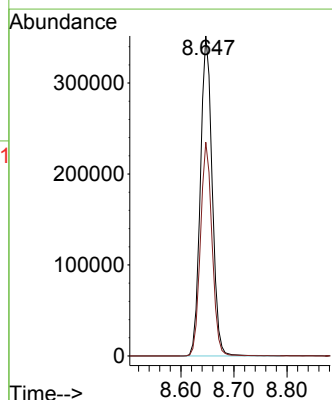
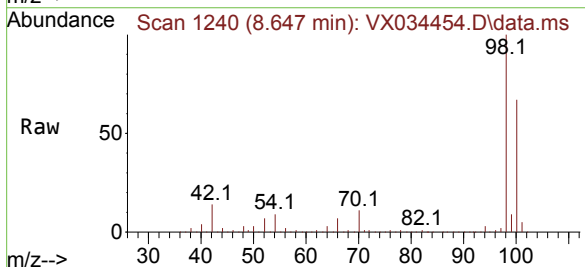
Acq: 14 Mar 2023 11:01

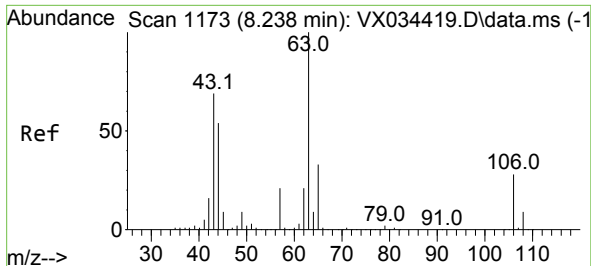
Tgt Ion: 98 Resp: 542711

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7

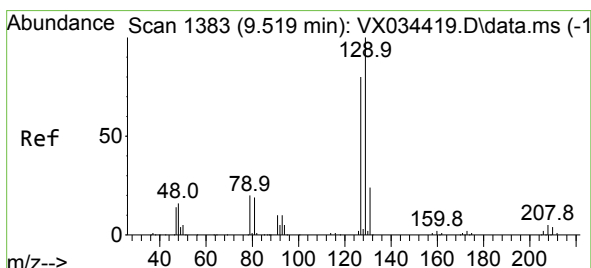
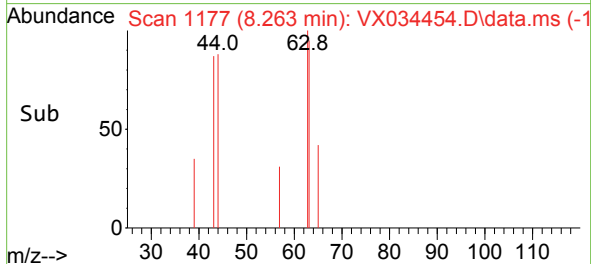
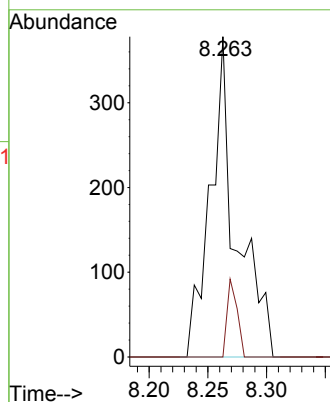
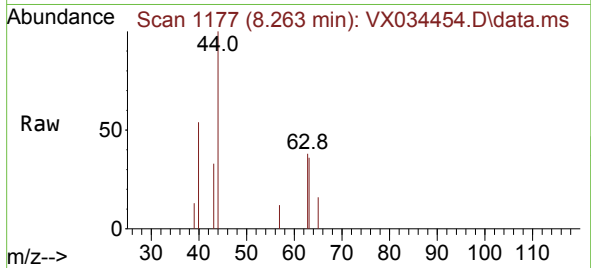




#58
2-Chloroethyl Vinyl ether
Concen: 0.210 ug/l
RT: 8.263 min Scan# 1177
Delta R.T. 0.024 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

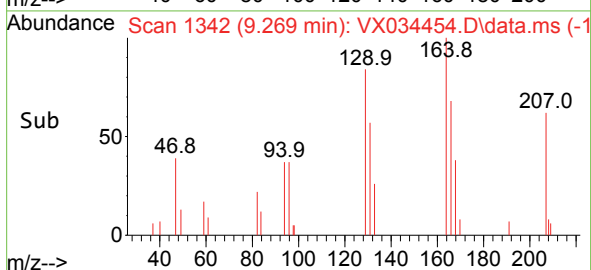
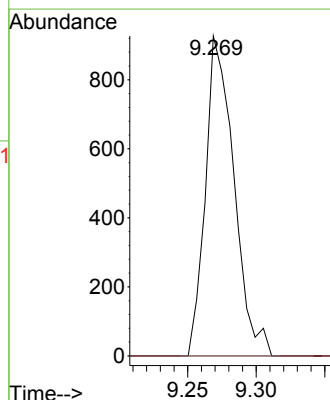
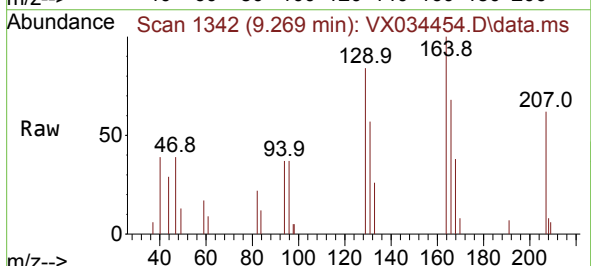
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308DL

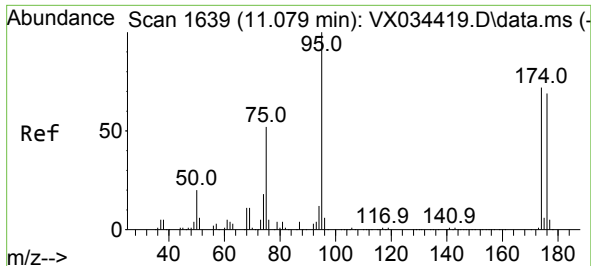
Tgt Ion: 63 Resp: 581
Ion Ratio Lower Upper
63 100
106 9.5 22.2 33.2#



#60
Dibromochloromethane
Concen: 0.390 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

Tgt Ion: 129 Resp: 1338
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

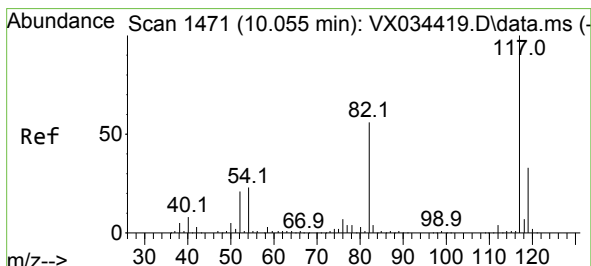
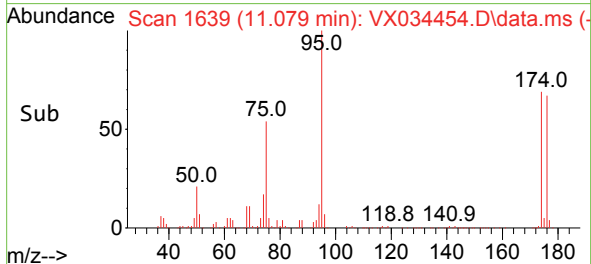
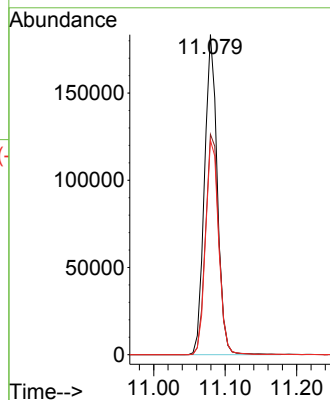
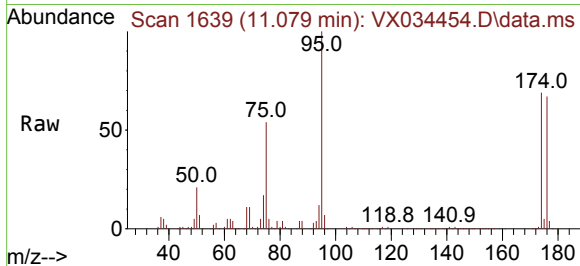




#62
4-Bromofluorobenzene
Concen: 50.996 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

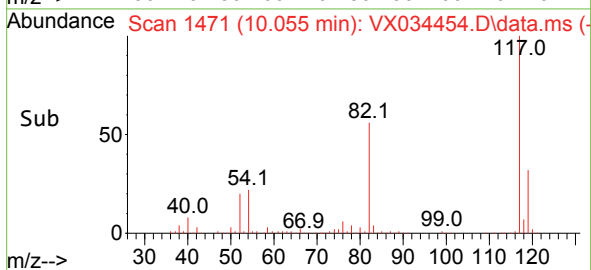
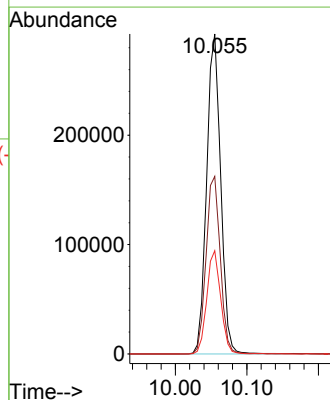
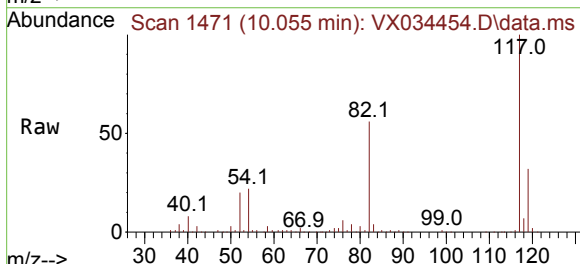
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308DL

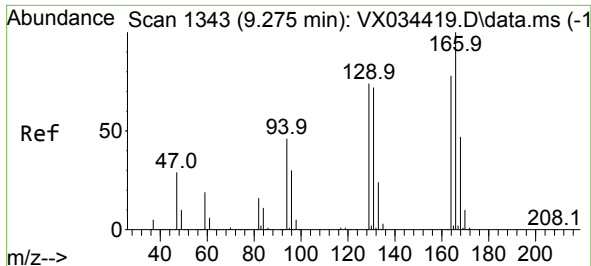
Tgt Ion: 95 Resp: 227909
Ion Ratio Lower Upper
95 100
174 72.0 0.0 147.4
176 68.9 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

Tgt Ion: 117 Resp: 399192
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 32.2 26.0 39.0

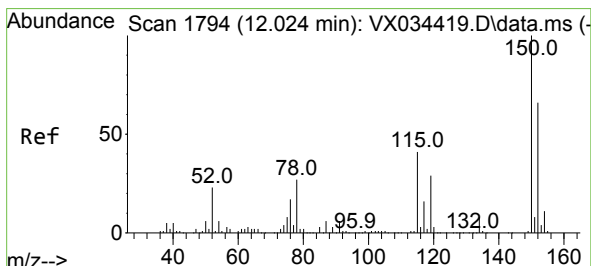
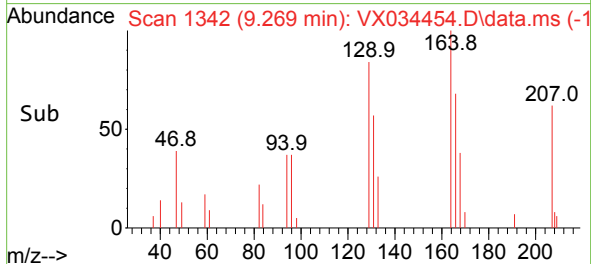
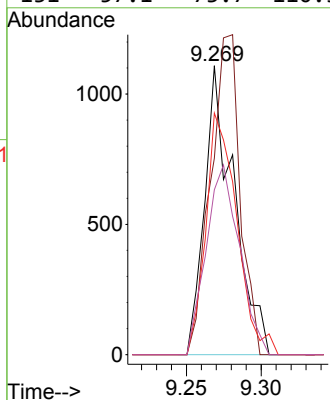
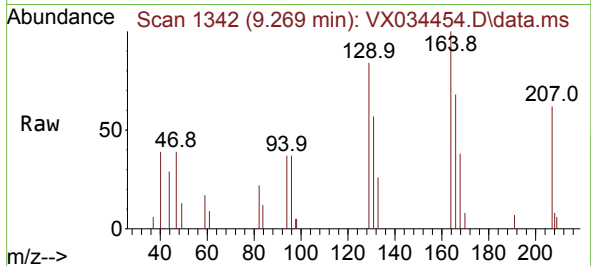




#64
Tetrachloroethene
Concen: 0.564 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

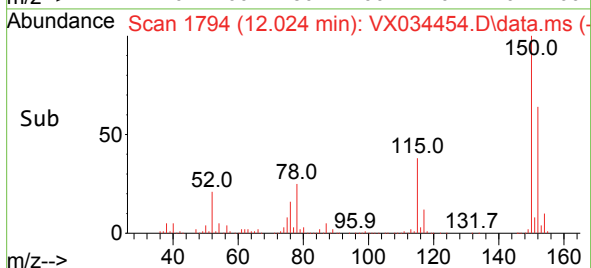
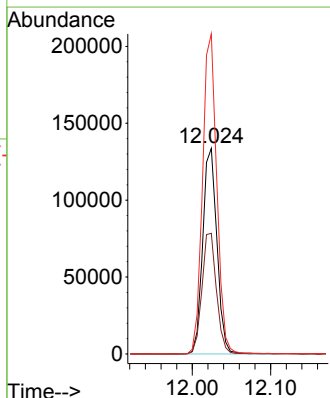
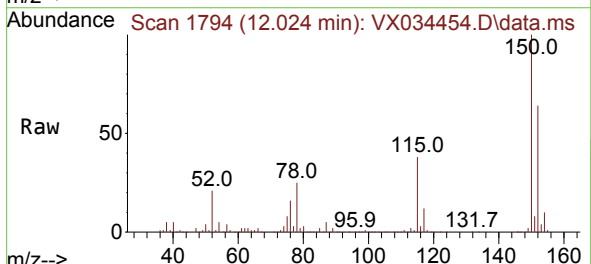
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308DL

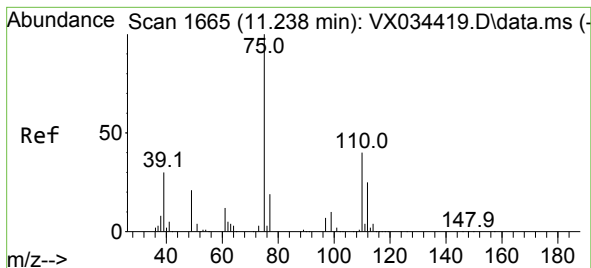
Tgt Ion:164 Resp: 1513
Ion Ratio Lower Upper
164 100
166 68.0 102.7 154.1#
129 83.6 75.6 113.4
131 57.1 73.7 110.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034454.D
Acq: 14 Mar 2023 11:01

Tgt Ion:152 Resp: 168418
Ion Ratio Lower Upper
152 100
115 59.9 45.0 135.0
150 155.8 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 31.095 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034454.D

Acq: 14 Mar 2023 11:01

Instrument :

MSVOA_X

ClientSampleId :

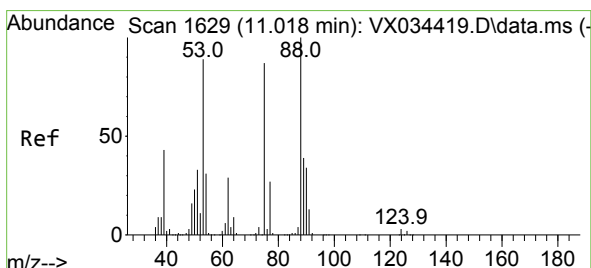
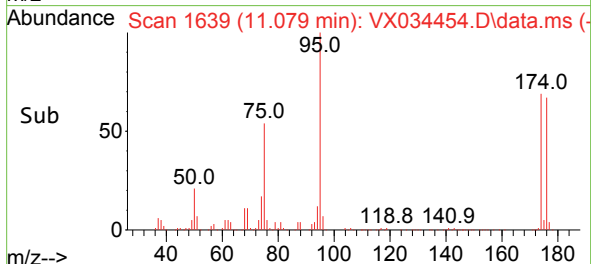
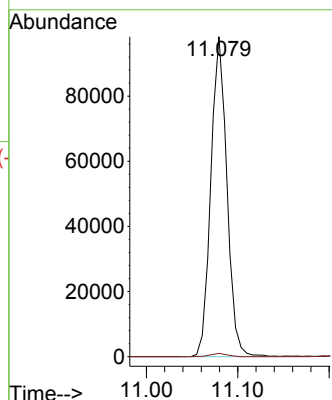
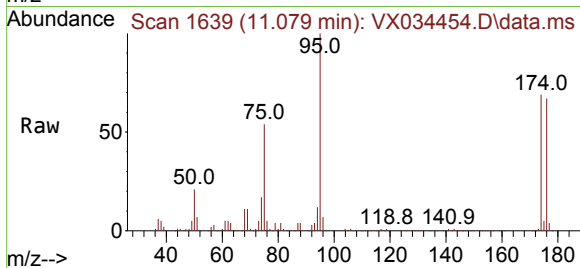
RE104D2-20230308DL

Tgt Ion: 75 Resp: 120245

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.120 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034454.D

Acq: 14 Mar 2023 11:01

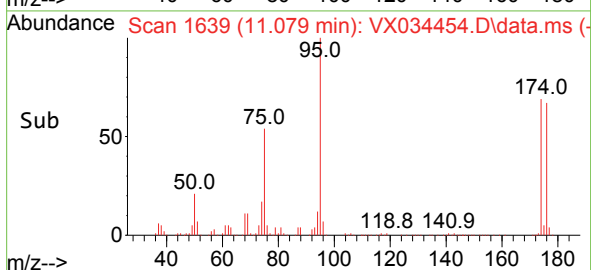
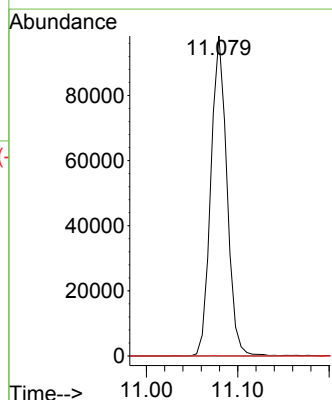
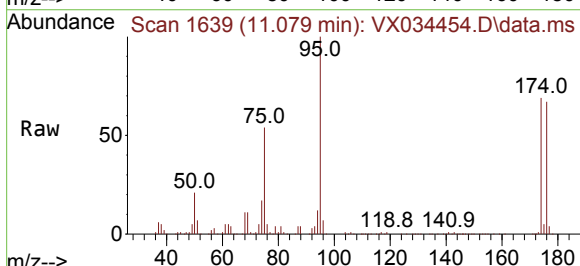
Tgt Ion: 75 Resp: 120245

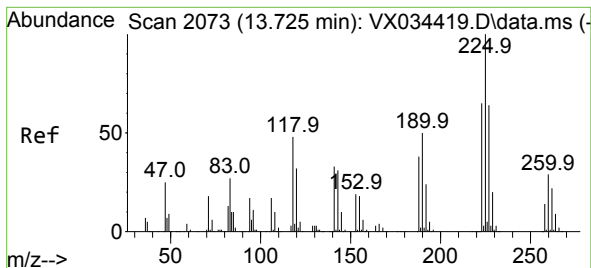
Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#





#94

Hexachlorobutadiene

Concen: 0.550 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX034454.D

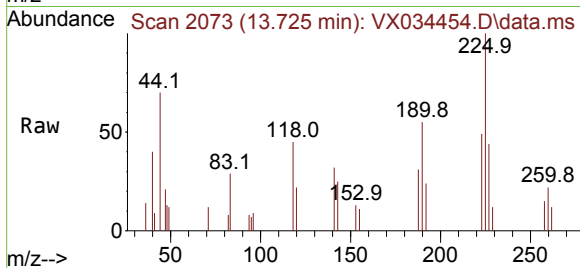
Acq: 14 Mar 2023 11:01

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20230308DL



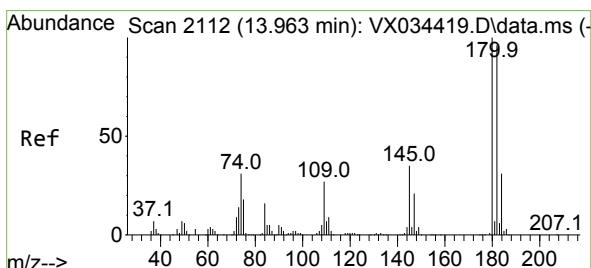
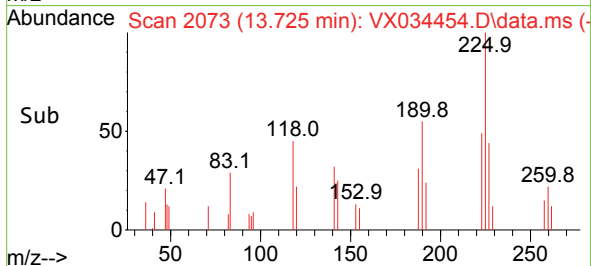
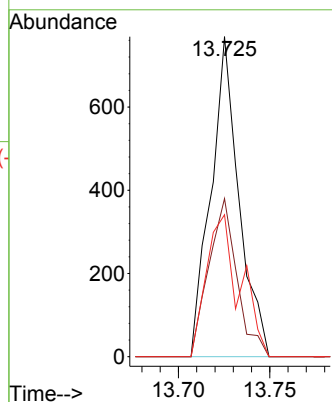
Tgt Ion:225 Resp: 819

Ion Ratio Lower Upper

225 100

223 49.6 32.1 96.5

227 53.0 31.8 95.4



#96

1,2,3-Trichlorobenzene

Concen: 0.221 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX034454.D

Acq: 14 Mar 2023 11:01

Tgt Ion:180 Resp: 798

Ion Ratio Lower Upper

180 100

182 85.6 48.0 144.2

145 27.4 17.7 53.1

