

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034461.D
 Acq On : 14 Mar 2023 13:46
 Operator : JC/MD
 Sample : 01880-01DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20230309DL

Quant Time: Mar 15 06:40:22 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)

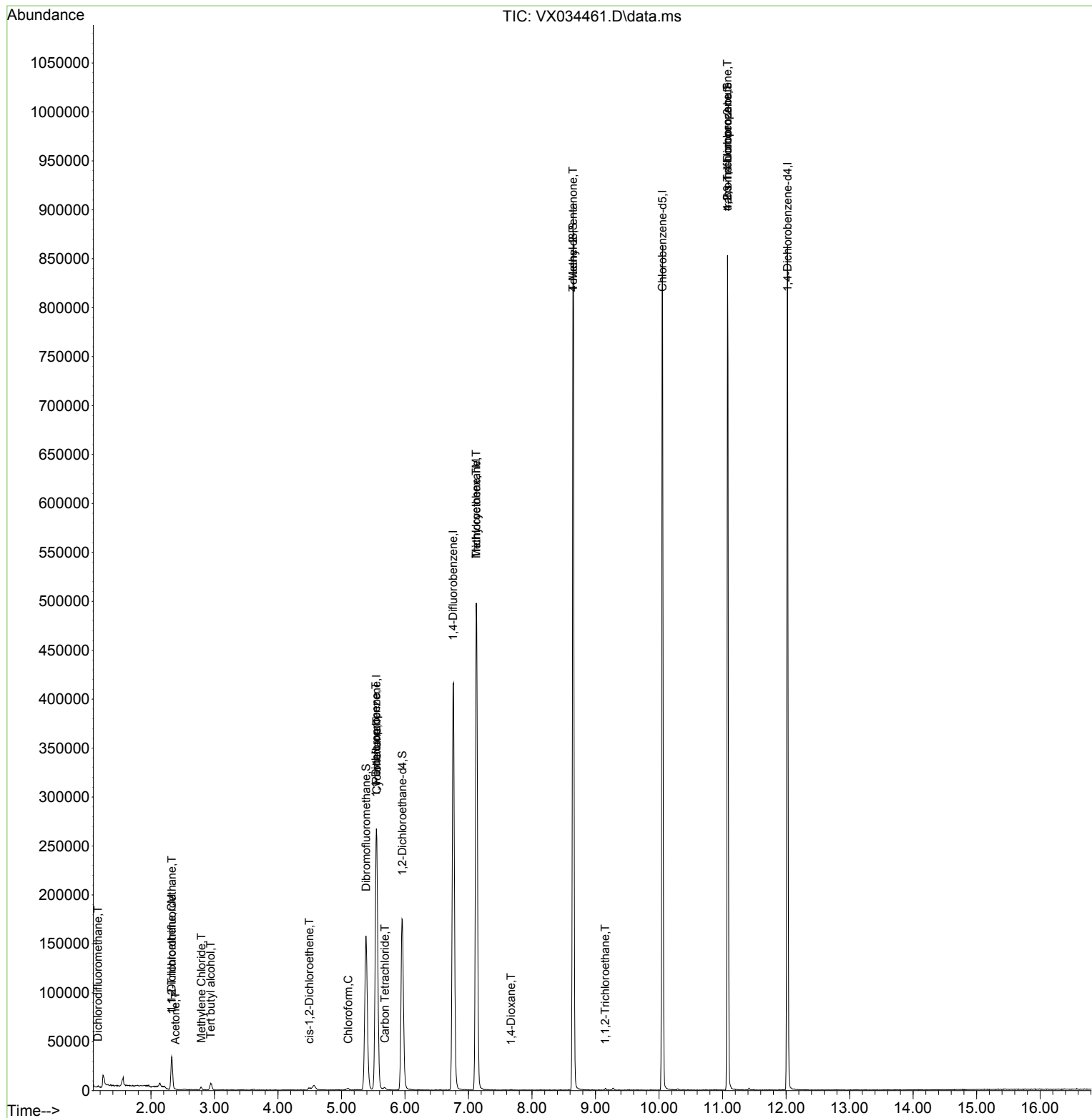
Internal Standards						
1) Pentafluorobenzene	5.550	168	255359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	428888	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	386499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	166937	44.936	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.880%
35) Dibromofluoromethane	5.385	113	133645	47.196	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.400%
50) Toluene-d8	8.647	98	520061	49.197	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.400%
62) 4-Bromofluorobenzene	11.079	95	227562	53.295	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.580%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	602	0.253	ug/l #	36
3) Chloromethane	1.294	50	505	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	2.331	101	9447	3.328	ug/l	95
11) Tert butyl alcohol	2.940	59	4347	5.619	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	4114	1.472	ug/l	91
16) Acetone	2.386	43	926	0.529	ug/l #	75
20) Methylene Chloride	2.794	84	1294	0.381	ug/l #	73
27) cis-1,2-Dichloroethene	4.495	96	1602	0.448	ug/l	98
30) Chloroform	5.105	83	2135	0.375	ug/l #	76
31) Cyclohexane	5.556	56	5816	1.116	ug/l #	10
36) 1,1-Dichloropropene	5.544	75	20739	4.768	ug/l #	50
38) Carbon Tetrachloride	5.684	117	1863	0.431	ug/l	94
39) Methylcyclohexane	7.123	83	2398	0.461	ug/l #	1
44) Trichloroethene	7.123	130	193990	58.680	ug/l	99
49) 1,4-Dioxane	7.671	88	104	1.279	ug/l #	84
51) 4-Methyl-2-Pentanone	8.647	43	2594	0.556	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	654	0.209	ug/l #	70
76) 1,2,3-Trichloropropane	11.079	75	122979	30.417	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	122979	82.286	ug/l #	8

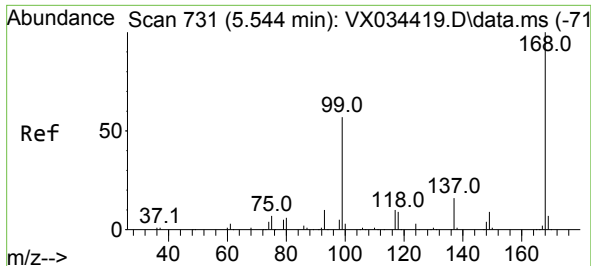
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 15 06:40:22 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

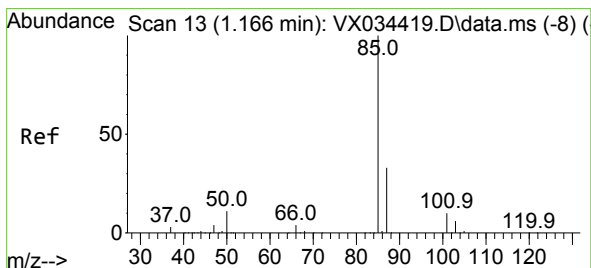
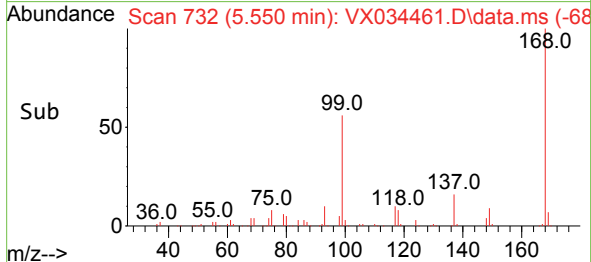
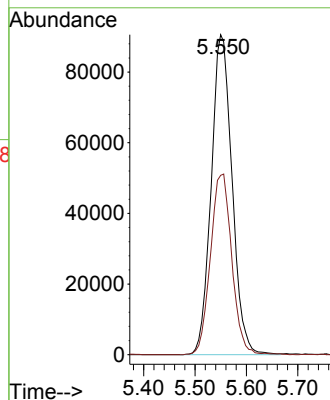
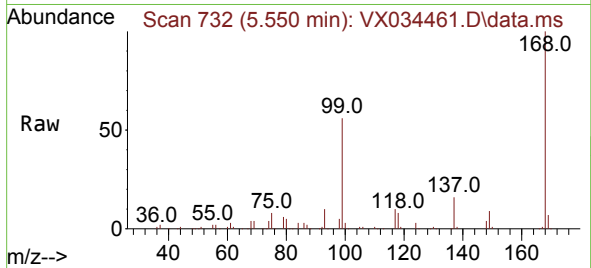




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

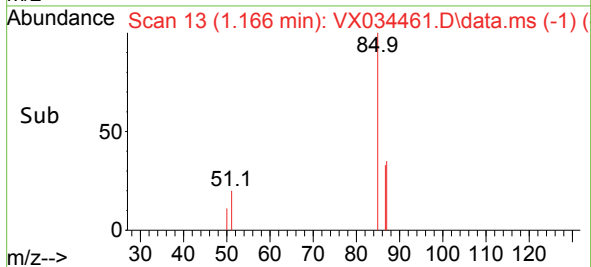
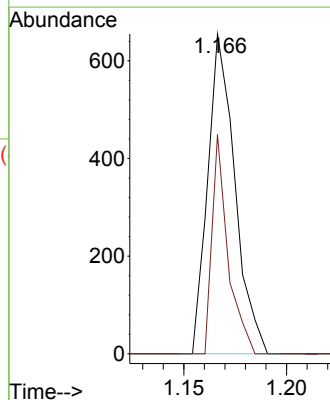
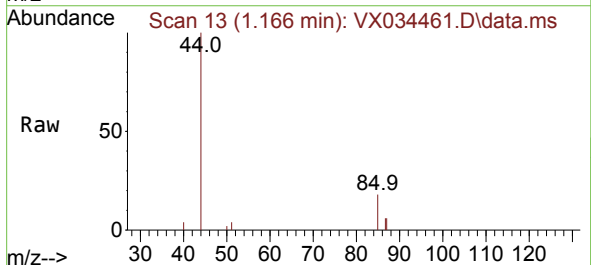
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20230309DL

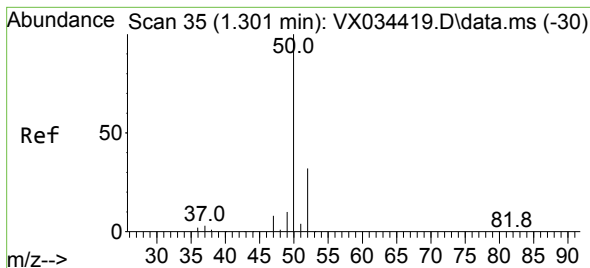
Tgt Ion:168 Resp: 255359
Ion Ratio Lower Upper
168 100
99 56.0 45.7 68.5



#2
Dichlorodifluoromethane
Concen: 0.253 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

Tgt Ion: 85 Resp: 602
Ion Ratio Lower Upper
85 100
87 68.5 16.4 49.1#





#3

Chloromethane

Concen: Below Cal

RT: 1.294 min Scan# 34

Delta R.T. -0.007 min

Lab File: VX034461.D

Acq: 14 Mar 2023 13:46

Instrument :

MSVOA_X

ClientSampleId :

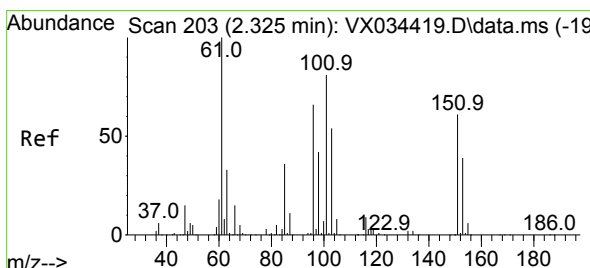
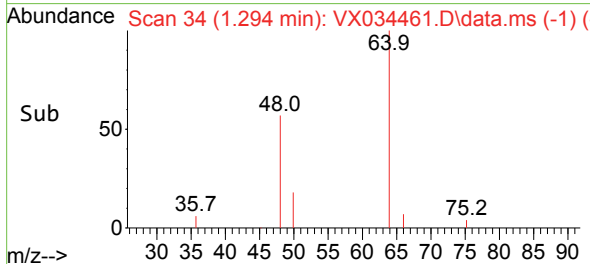
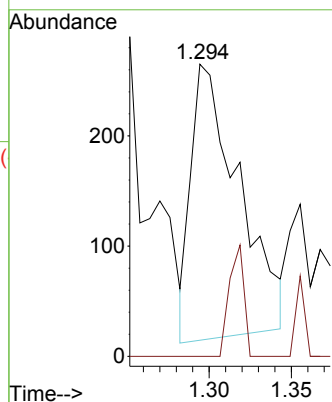
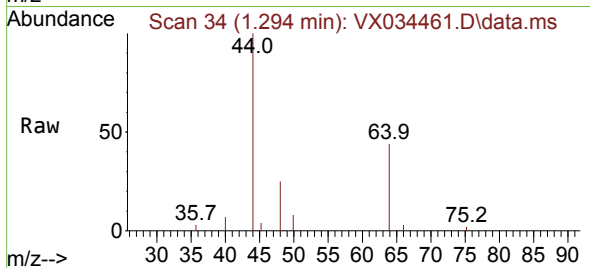
RE115D1-20230309DL

Tgt Ion: 50 Resp: 505

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.328 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.006 min

Lab File: VX034461.D

Acq: 14 Mar 2023 13:46

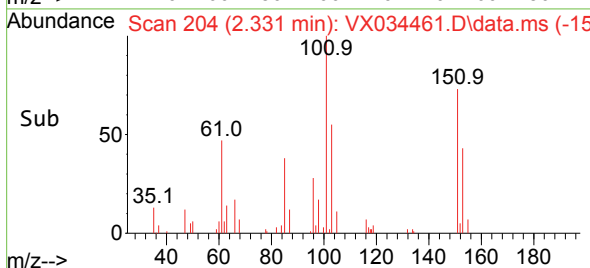
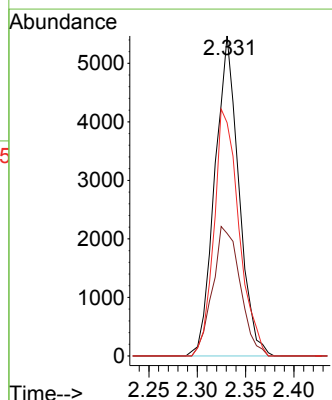
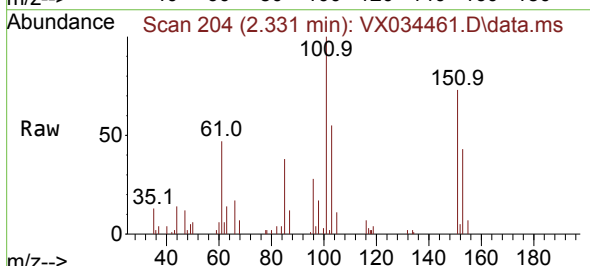
Tgt Ion: 101 Resp: 9447

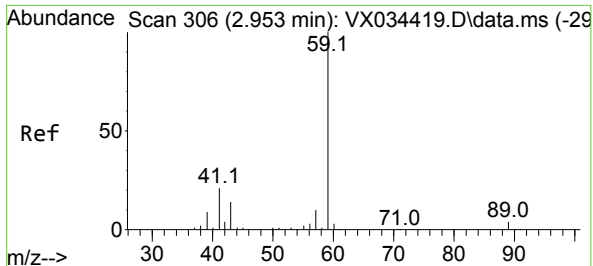
Ion Ratio Lower Upper

101 100

85 46.2 35.4 53.2

151 80.0 60.2 90.4

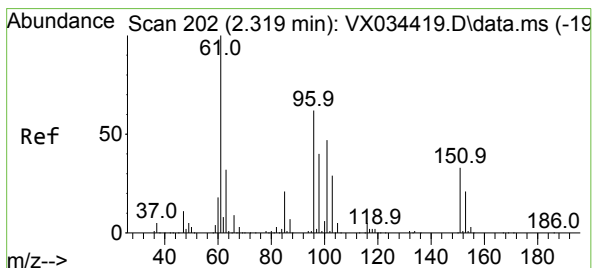
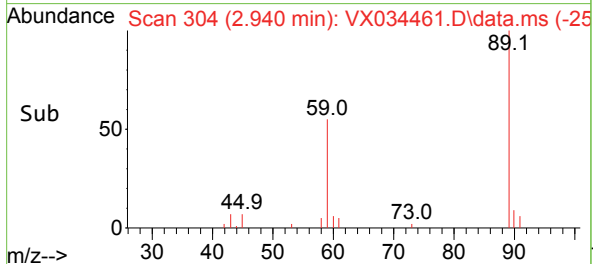
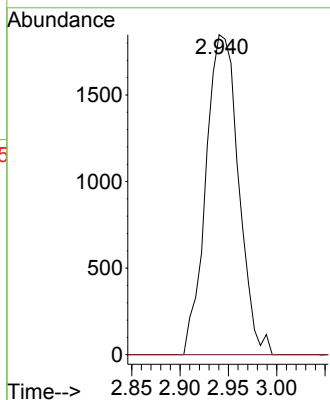
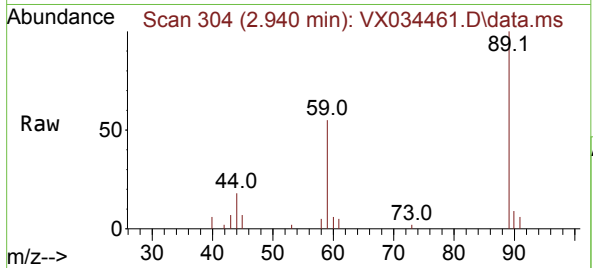




#11
Tert butyl alcohol
Concen: 5.619 ug/l
RT: 2.940 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

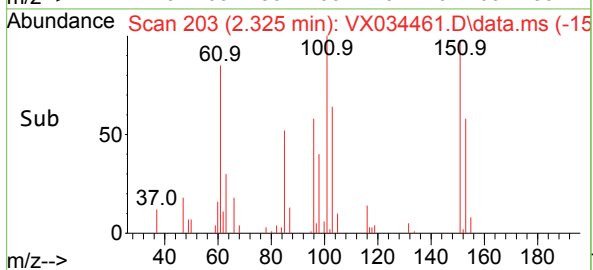
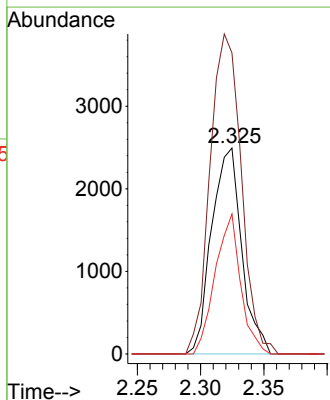
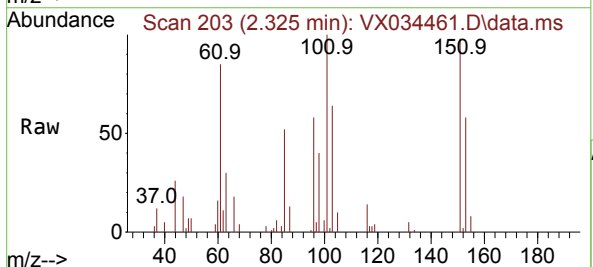
Instrument :
MSVOA_X
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RE115D1-20230309DL

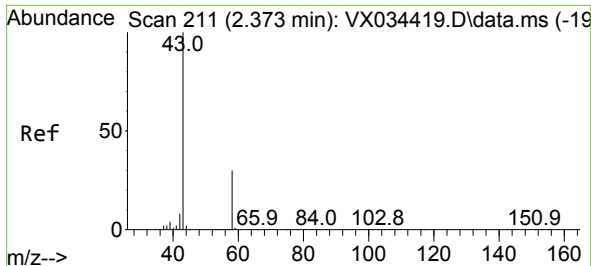
Tgt Ion: 59 Resp: 4347
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 1.472 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

Tgt Ion: 96 Resp: 4114
Ion Ratio Lower Upper
96 100
61 146.2 128.8 193.2
98 68.0 51.4 77.0

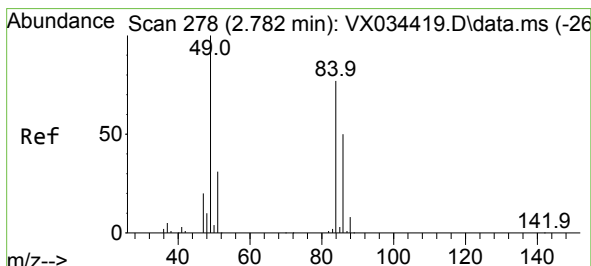
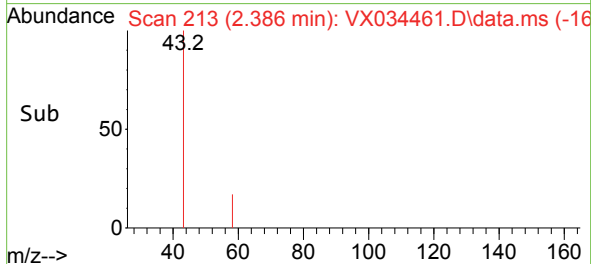
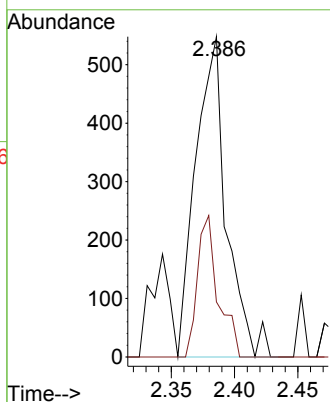
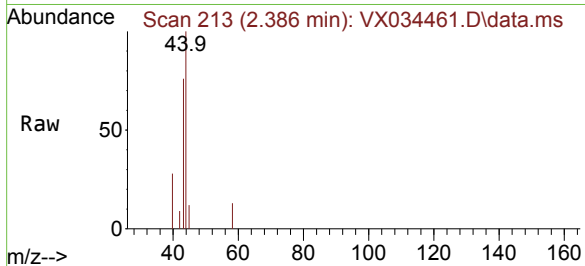




#16
Acetone
Concen: 0.529 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

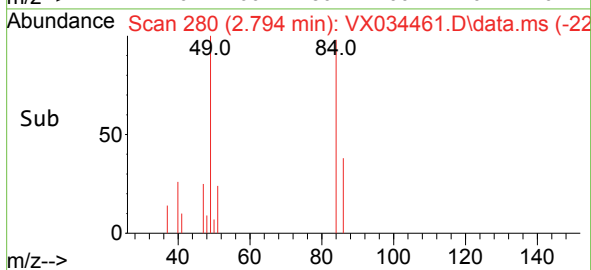
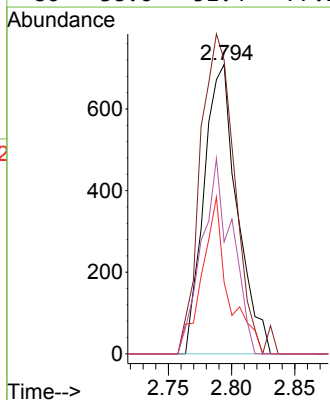
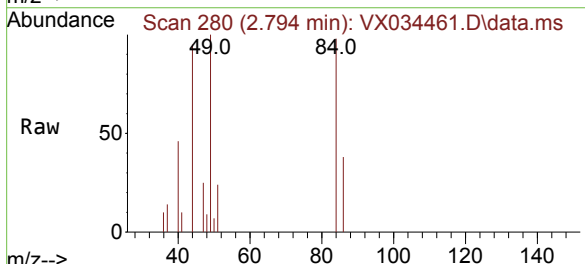
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20230309DL

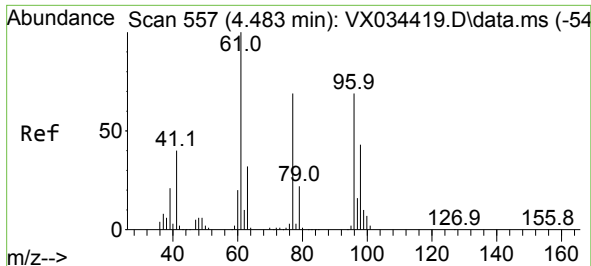
Tgt Ion: 43 Resp: 926
Ion Ratio Lower Upper
43 100
58 17.2 24.7 37.1#



#20
Methylene Chloride
Concen: 0.381 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

Tgt Ion: 84 Resp: 1294
Ion Ratio Lower Upper
84 100
49 101.6 103.8 155.8#
51 24.7 31.8 47.8#
86 38.6 51.4 77.2#





#27

cis-1,2-Dichloroethene

Concen: 0.448 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX034461.D

Acq: 14 Mar 2023 13:46

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20230309DL

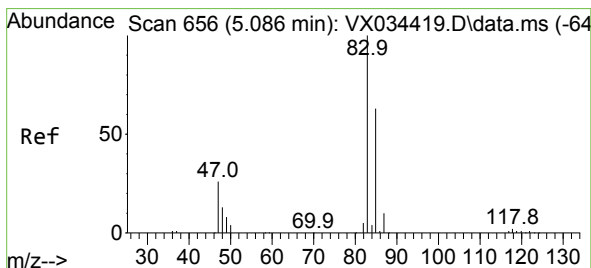
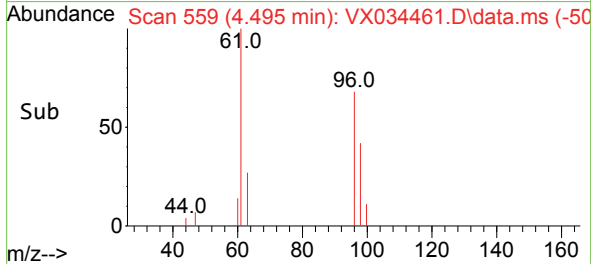
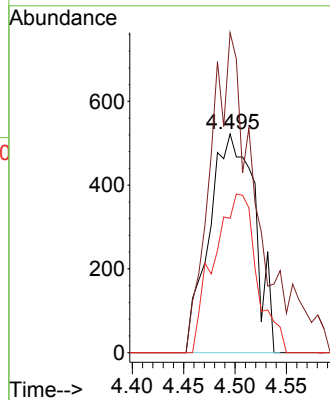
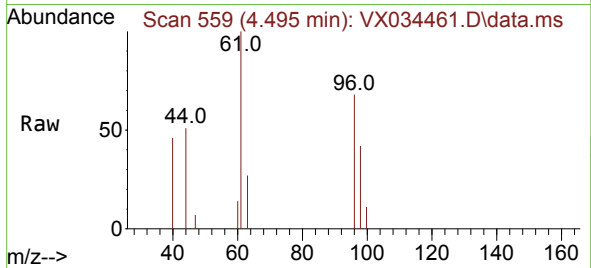
Tgt Ion: 96 Resp: 1602

Ion Ratio Lower Upper

96 100

61 151.1 0.0 300.4

98 69.0 0.0 129.0



#30

Chloroform

Concen: 0.375 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.018 min

Lab File: VX034461.D

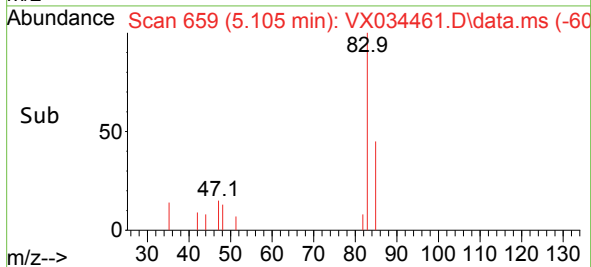
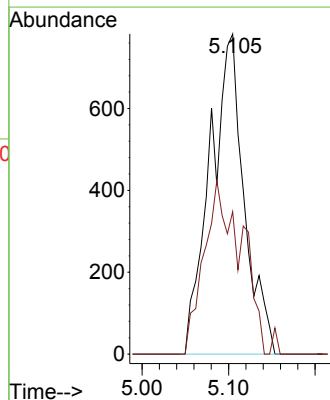
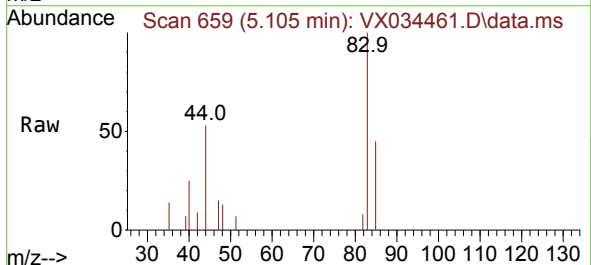
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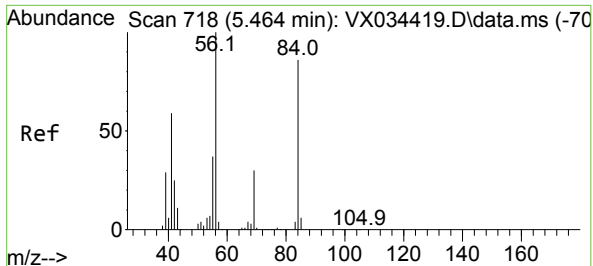
Tgt Ion: 83 Resp: 2135

Ion Ratio Lower Upper

83 100

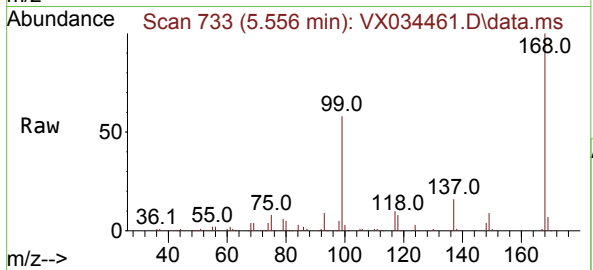
85 44.5 50.6 76.0#



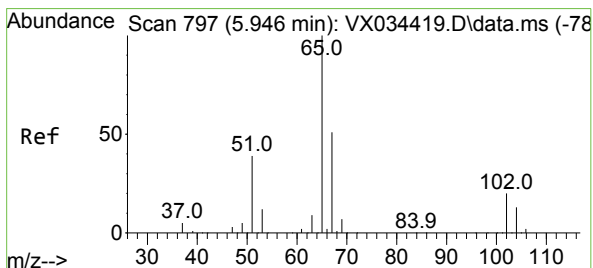
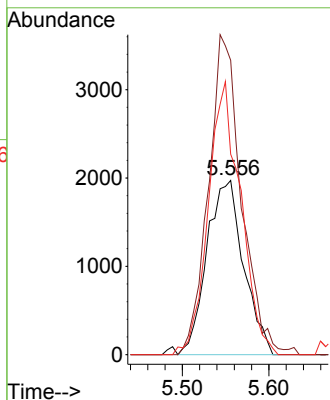
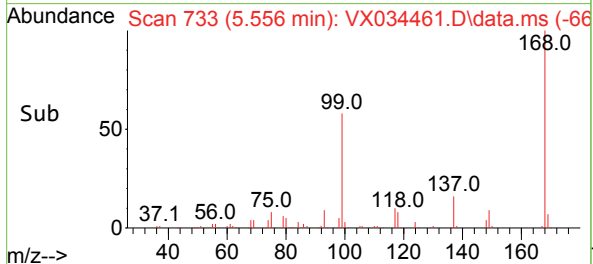


#31
Cyclohexane
Concen: 1.116 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

Instrument :
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ClientSampleId :
RE115D1-20230309DL

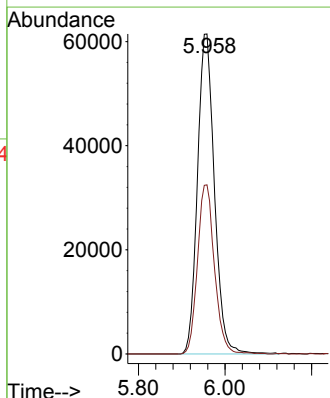
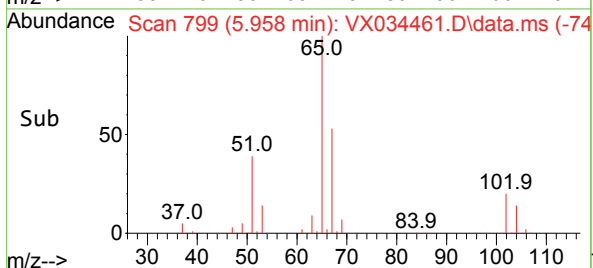
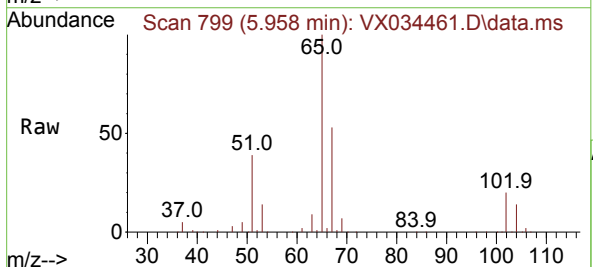


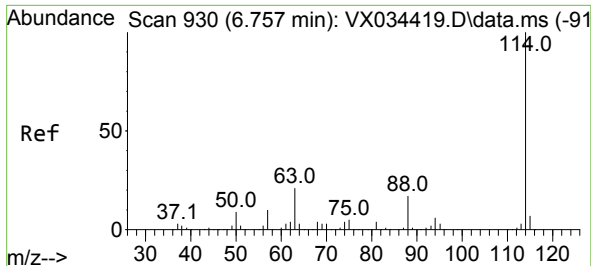
Tgt Ion: 56 Resp: 5816
Ion Ratio Lower Upper
56 100
69 168.9 23.7 35.5#
84 115.1 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 44.936 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

Tgt Ion: 65 Resp: 166937
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.0

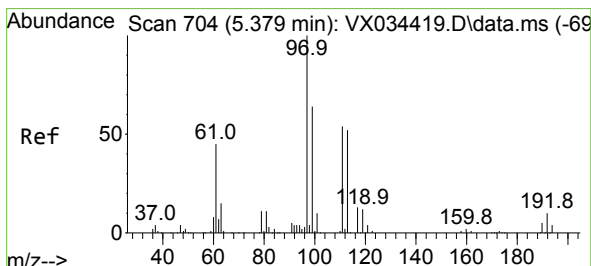
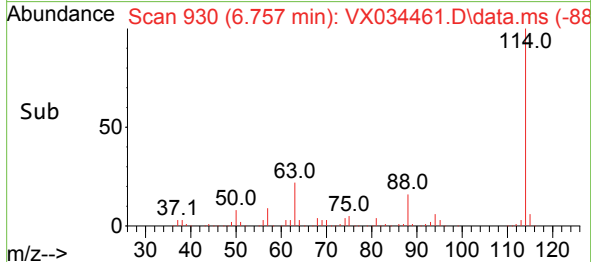
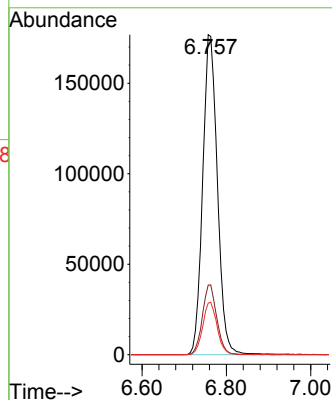
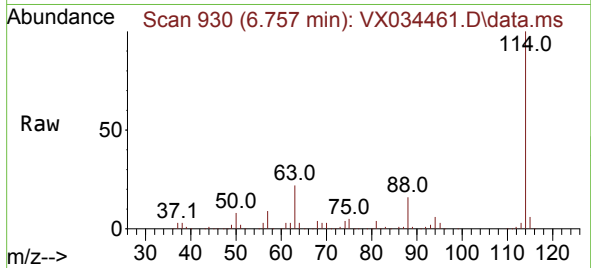




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

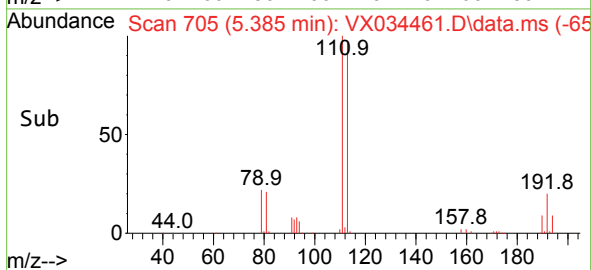
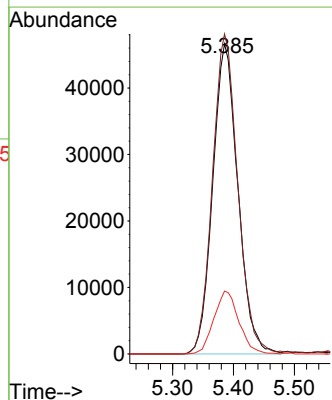
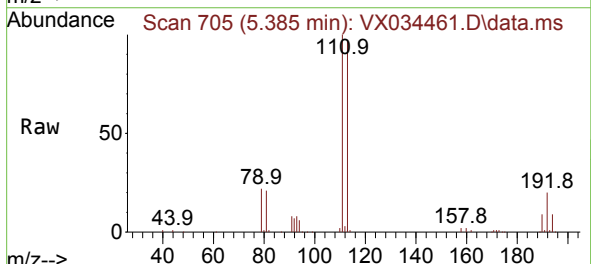
Instrument :
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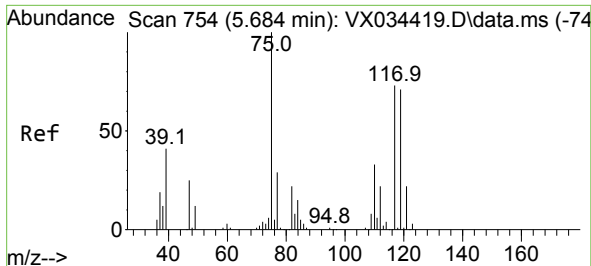
Tgt Ion:114 Resp: 428888
Ion Ratio Lower Upper
114 100
63 21.8 0.0 42.2
88 16.1 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.196 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

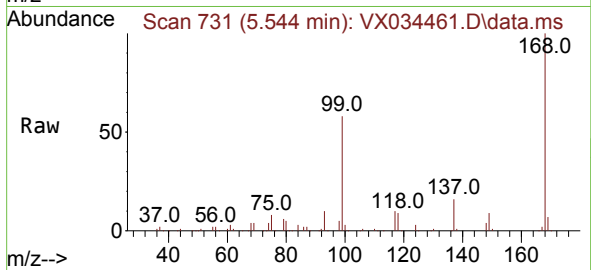
Tgt Ion:113 Resp: 133645
Ion Ratio Lower Upper
113 100
111 104.3 83.7 125.5
192 20.2 15.4 23.2



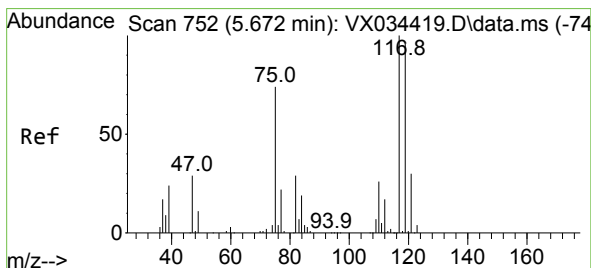
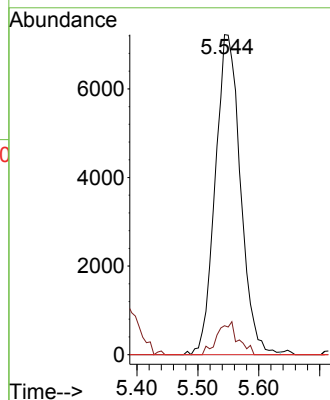
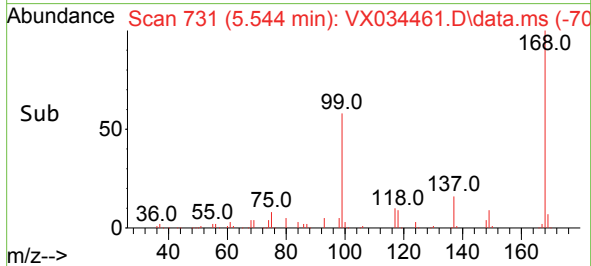


#36
1,1-Dichloropropene
Concen: 4.768 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20230309DL

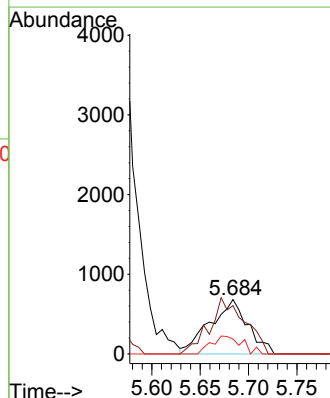
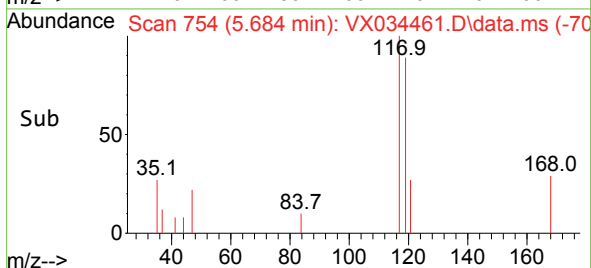
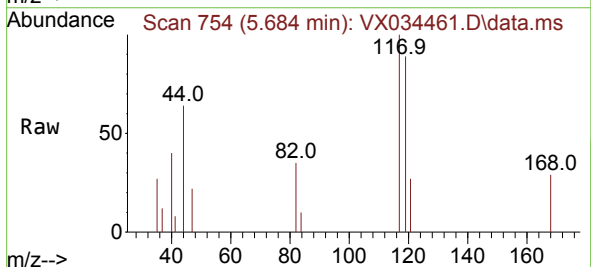


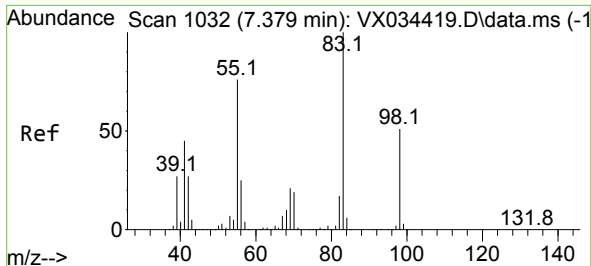
Tgt Ion: 75 Resp: 20739
Ion Ratio Lower Upper
75 100
110 8.5 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 0.431 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.012 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

Tgt Ion: 117 Resp: 1863
Ion Ratio Lower Upper
117 100
119 88.7 76.6 114.8
121 27.4 23.8 35.6





#39

Methylcyclohexane

Concen: 0.461 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.256 min

Lab File: VX034461.D

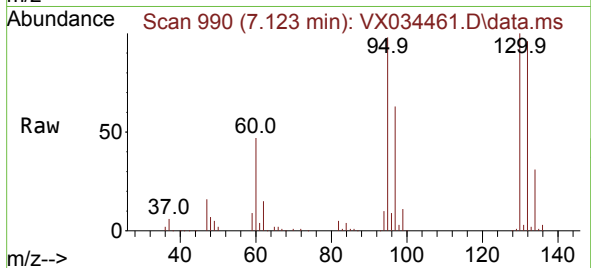
Acq: 14 Mar 2023 13:46

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20230309DL



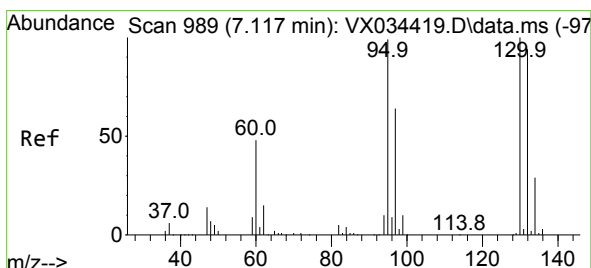
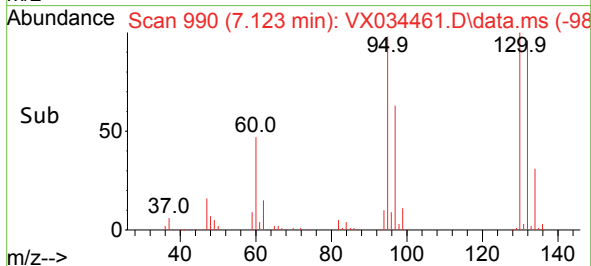
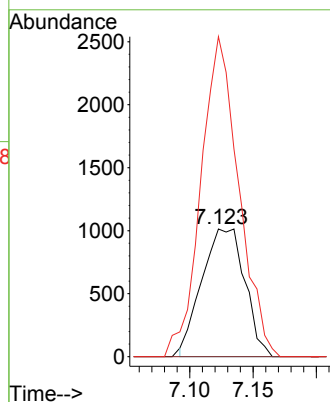
Tgt Ion: 83 Resp: 2398

Ion Ratio Lower Upper

83 100

55 0.0 60.5 90.7#

98 250.7 40.4 60.6#



#44

Trichloroethene

Concen: 58.680 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX034461.D

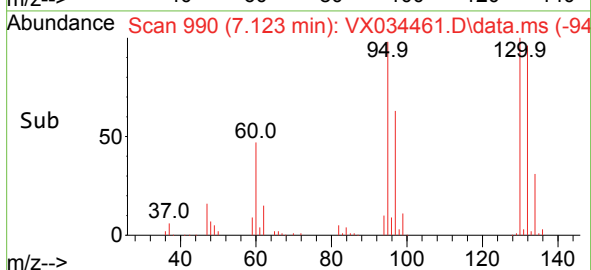
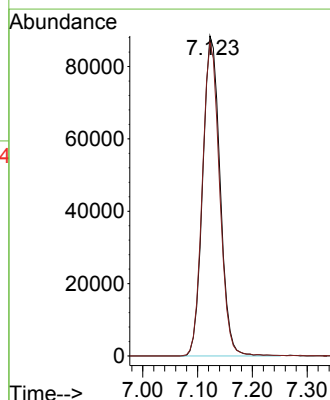
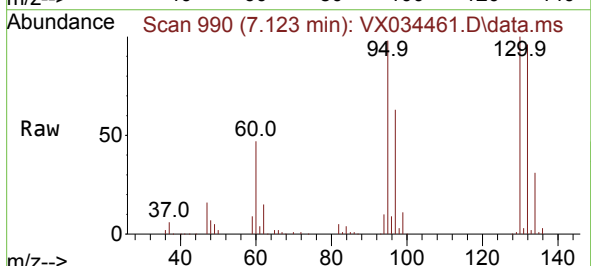
Acq: 14 Mar 2023 13:46

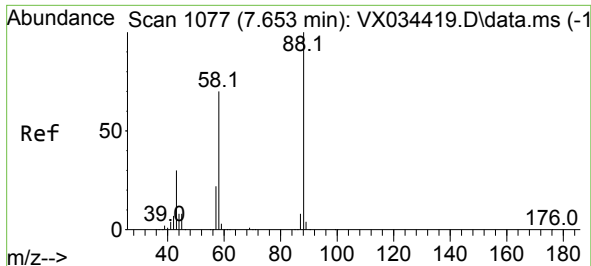
Tgt Ion:130 Resp: 193990

Ion Ratio Lower Upper

130 100

95 97.9 0.0 198.4





#49

1,4-Dioxane

Concen: 1.279 ug/l

RT: 7.671 min Scan# 1077

Delta R.T. 0.018 min

Lab File: VX034461.D

Acq: 14 Mar 2023 13:46

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20230309DL

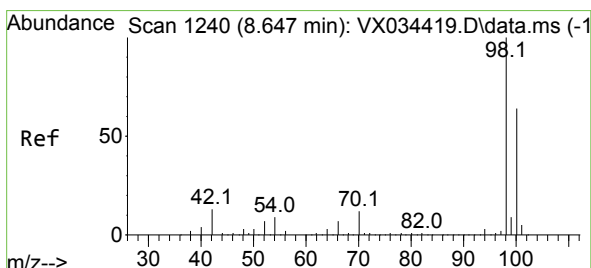
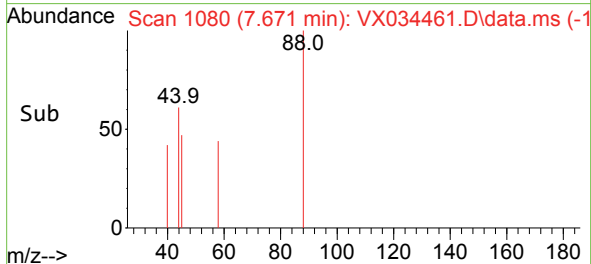
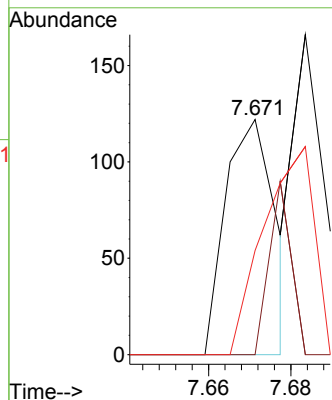
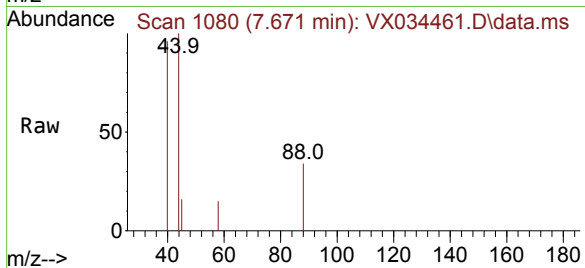
Tgt Ion: 88 Resp: 104

Ion Ratio Lower Upper

88 100

43 31.7 27.7 41.5

58 88.5 56.8 85.2#



#50

Toluene-d8

Concen: 49.197 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034461.D

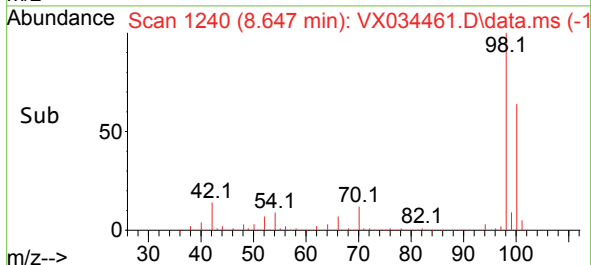
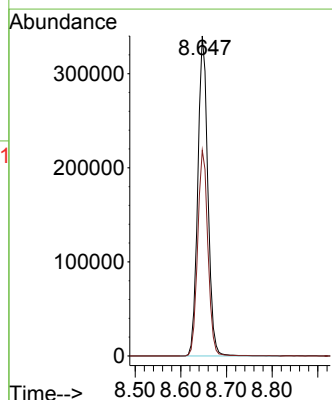
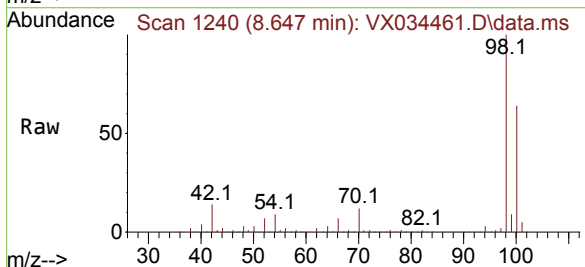
Acq: 14 Mar 2023 13:46

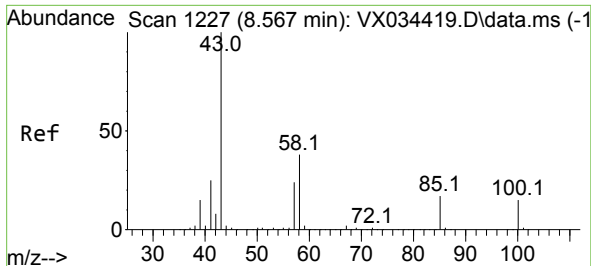
Tgt Ion: 98 Resp: 520061

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7

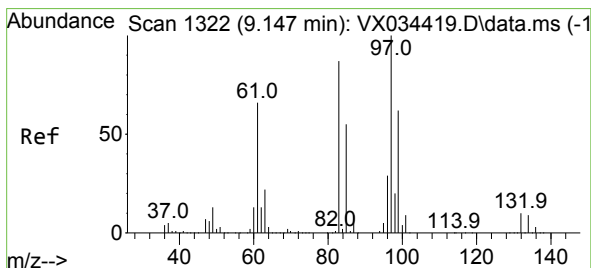
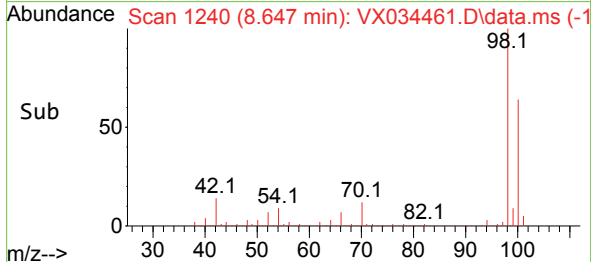
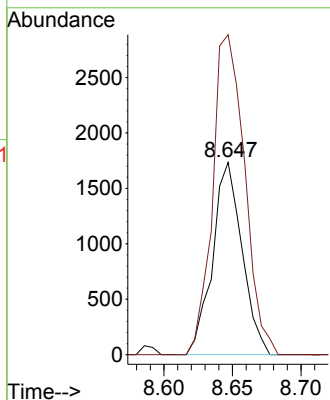
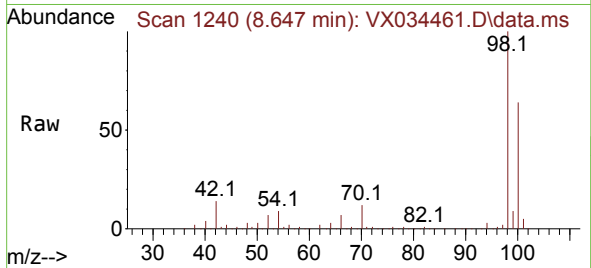




#51
4-Methyl-2-Pentanone
Concen: 0.556 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

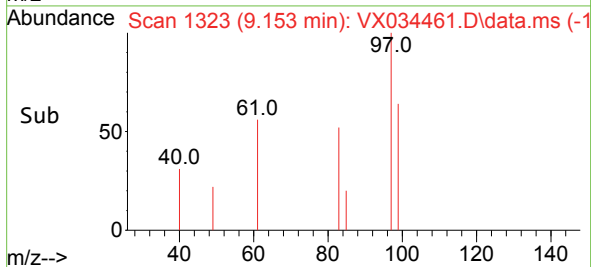
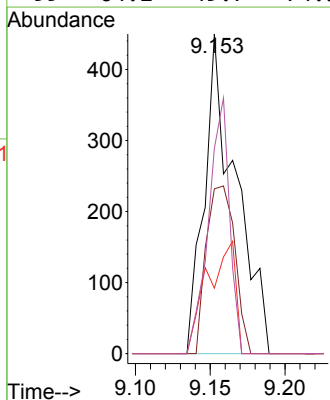
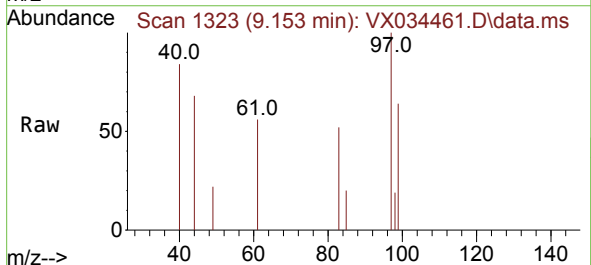
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20230309DL

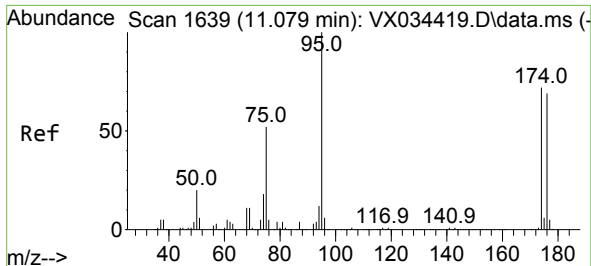
Tgt Ion: 43 Resp: 2594
Ion Ratio Lower Upper
43 100
58 180.8 30.6 46.0#



#55
1,1,2-Trichloroethane
Concen: 0.209 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

Tgt Ion: 97 Resp: 654
Ion Ratio Lower Upper
97 100
83 51.6 69.7 104.5#
85 20.4 43.7 65.5#
99 64.2 49.7 74.5

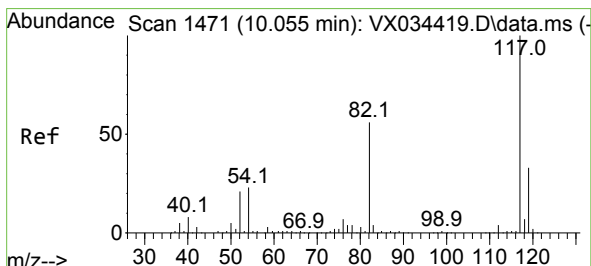
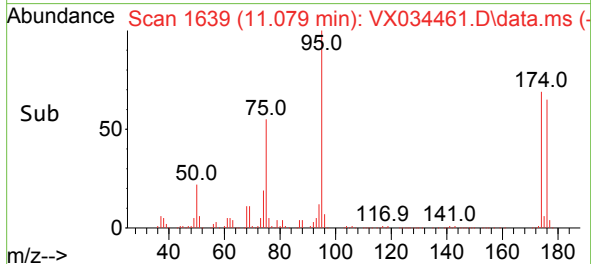
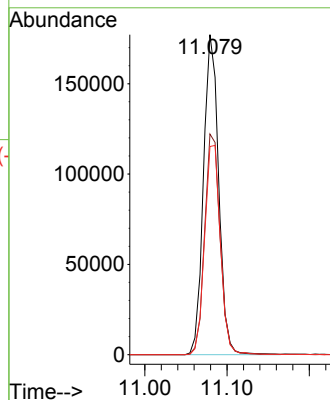
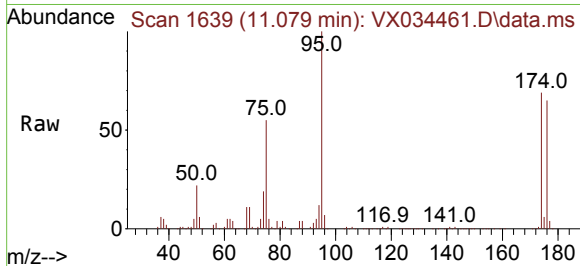




#62
4-Bromofluorobenzene
Concen: 53.295 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

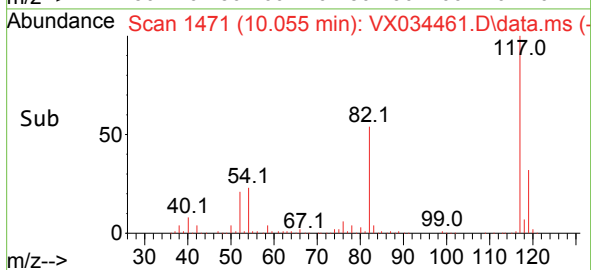
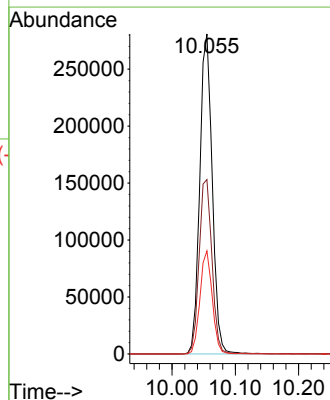
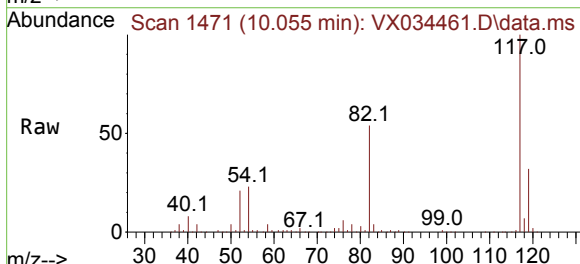
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20230309DL

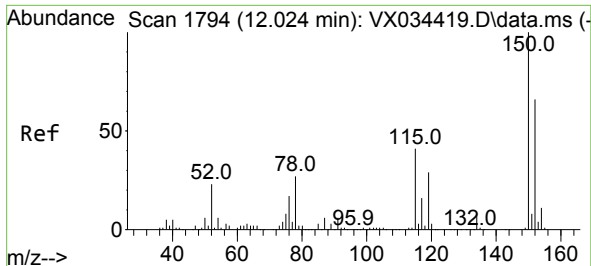
Tgt Ion: 95 Resp: 227562
Ion Ratio Lower Upper
95 100
174 70.1 0.0 147.4
176 68.1 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

Tgt Ion: 117 Resp: 386499
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 32.2 26.0 39.0

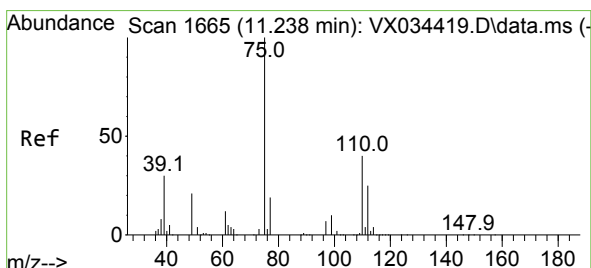
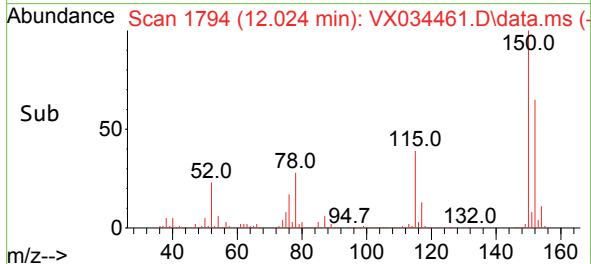
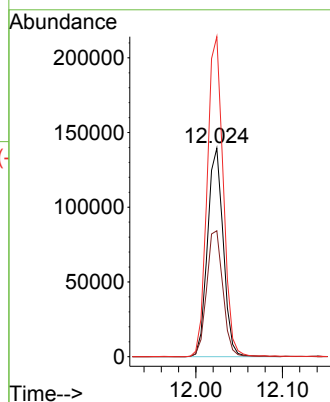
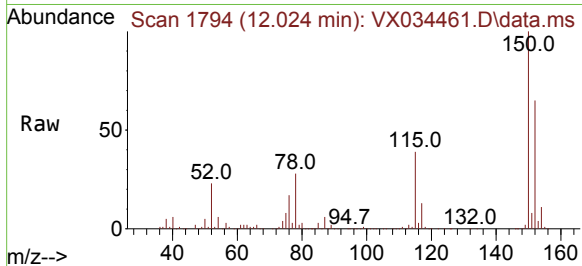




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

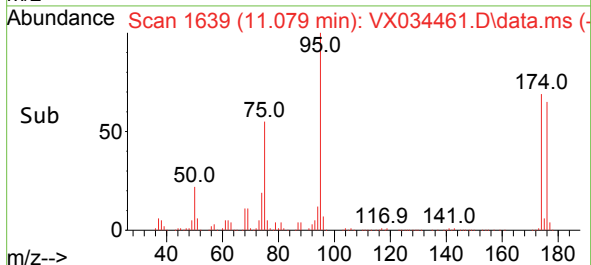
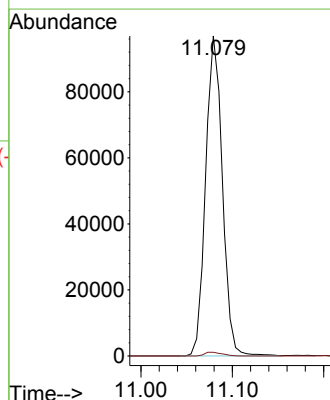
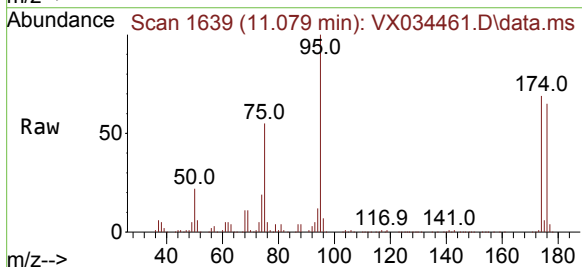
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20230309DL

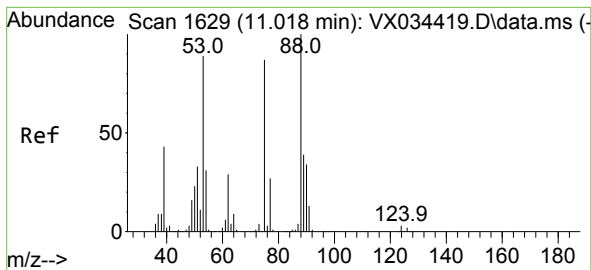
Tgt Ion:152 Resp: 176087
Ion Ratio Lower Upper
152 100
115 62.4 45.0 135.0
150 156.7 0.0 352.4



#76
1,2,3-Trichloropropane
Concen: 30.417 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034461.D
Acq: 14 Mar 2023 13:46

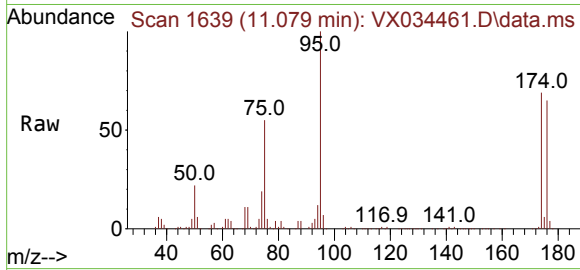
Tgt Ion: 75 Resp: 122979
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.286 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX034461.D
 Acq: 14 Mar 2023 13:46

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20230309DL



Tgt Ion: 75 Resp: 122979
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

