

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034439.D
 Acq On : 13 Mar 2023 17:46
 Operator : JC/MD
 Sample : 01879-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D3-20230308

Quant Time: Mar 14 02:27:57 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	262516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	444855	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	394501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169045	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	172863	45.263	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.520%
35) Dibromofluoromethane	5.391	113	137950	46.967	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.940%
50) Toluene-d8	8.647	98	535078	48.801	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.600%
62) 4-Bromofluorobenzene	11.079	95	198635	44.850	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.700%

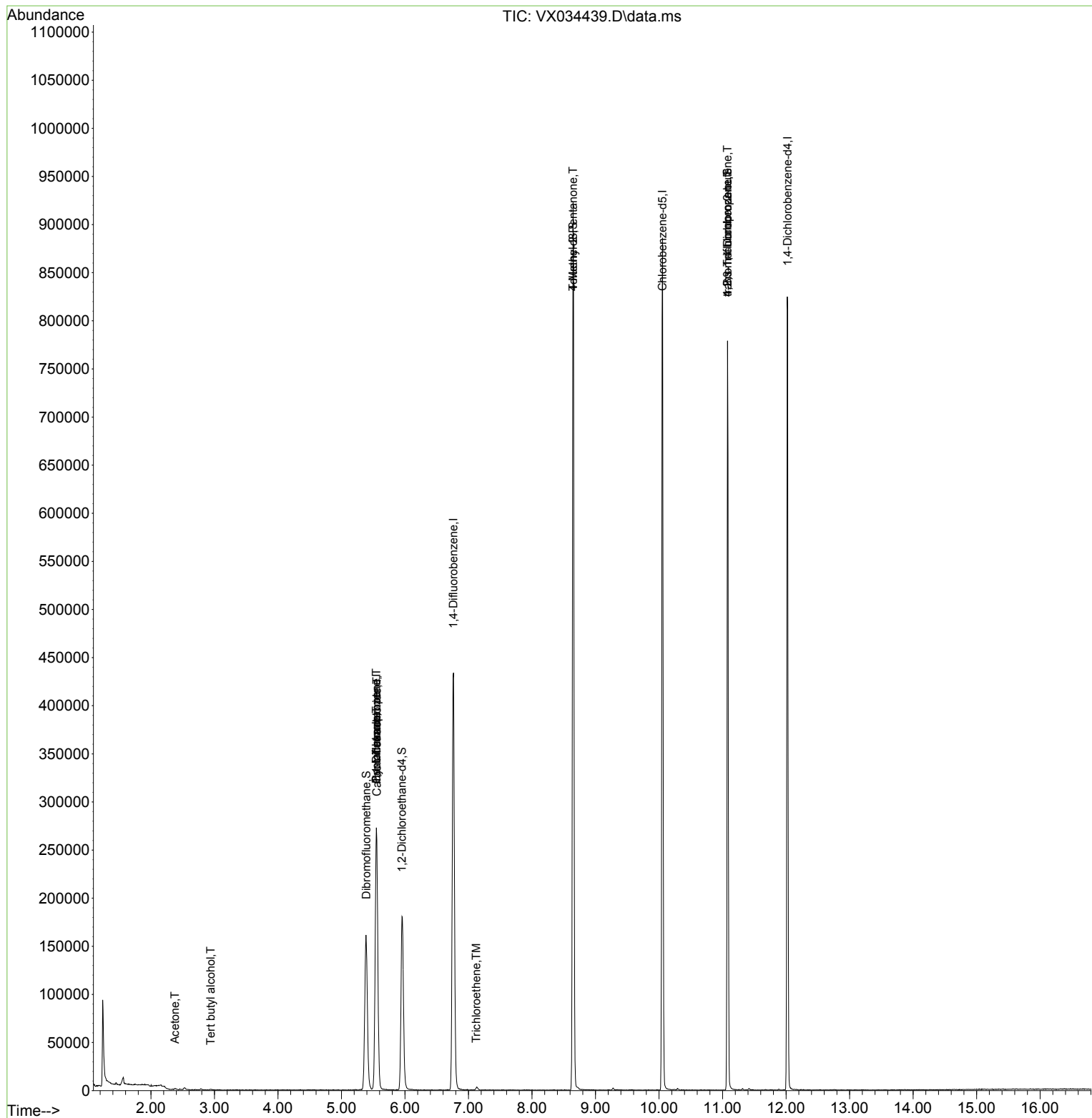
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	266	Below Cal	#	60
11) Tert butyl alcohol	2.940	59	377	0.474	ug/l #	73
16) Acetone	2.380	43	1142	0.635	ug/l	96
31) Cyclohexane	5.550	56	6110	1.141	ug/l #	6
36) 1,1-Dichloropropene	5.550	75	21380	4.739	ug/l #	49
38) Carbon Tetrachloride	5.556	117	26191	5.836	ug/l #	15
44) Trichloroethene	7.123	130	1166	0.340	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	2871	0.593	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	103586	26.687	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	103586	72.197	ug/l #	8

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

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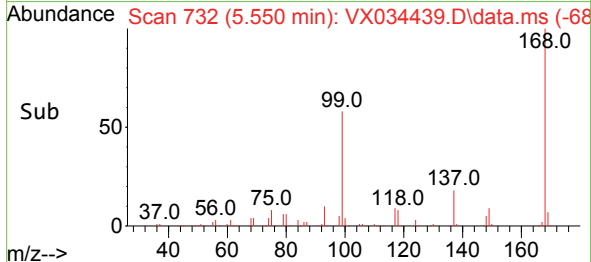
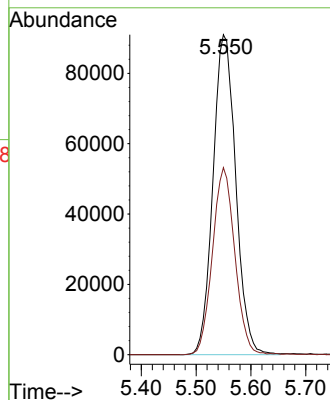
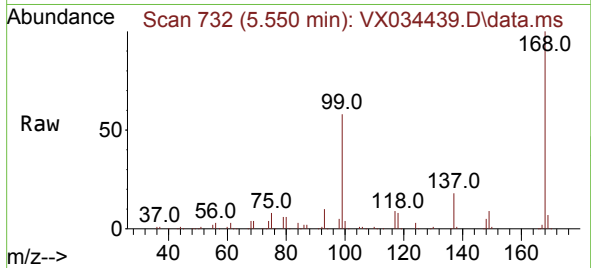




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034439.D
Acq: 13 Mar 2023 17:46

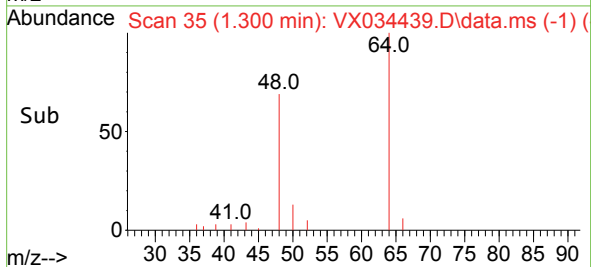
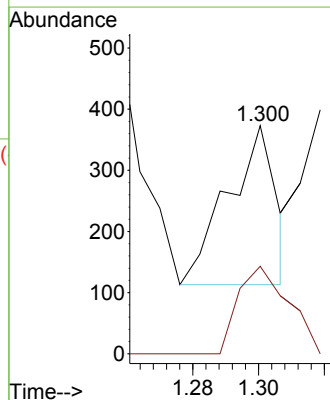
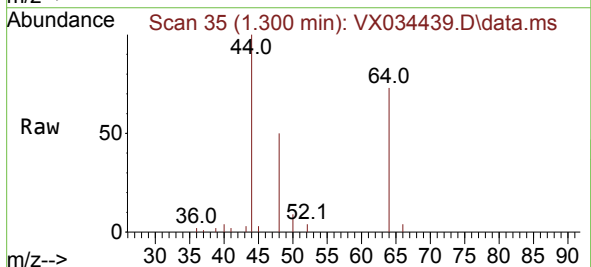
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20230308

Tgt Ion:168 Resp: 262516
Ion Ratio Lower Upper
168 100
99 58.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX034439.D
Acq: 13 Mar 2023 17:46

Tgt Ion: 50 Resp: 266
Ion Ratio Lower Upper
50 100
52 55.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 0.474 ug/l

RT: 2.940 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX034439.D

Acq: 13 Mar 2023 17:46

Instrument :

MSVOA_X

ClientSampleId :

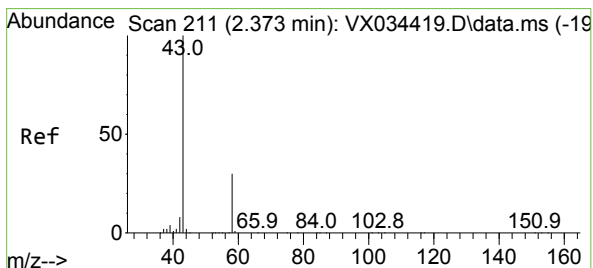
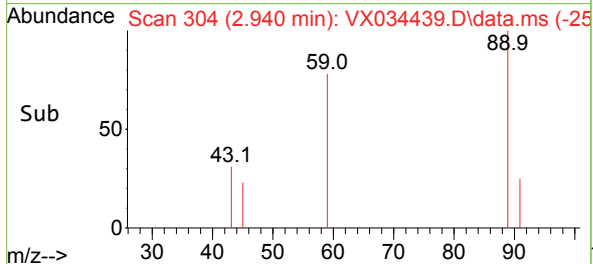
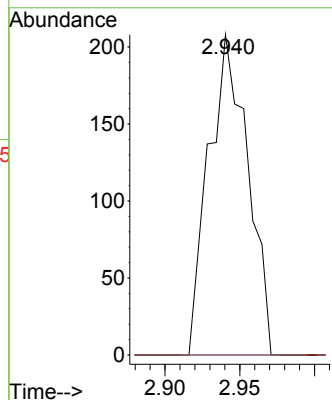
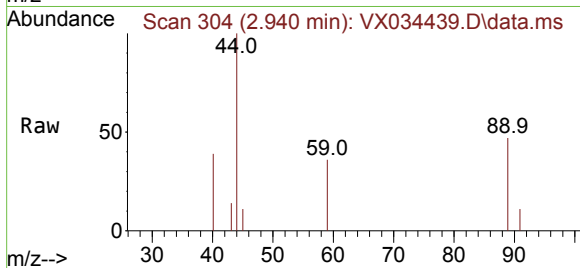
RE104D3-20230308

Tgt Ion: 59 Resp: 377

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 0.635 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX034439.D

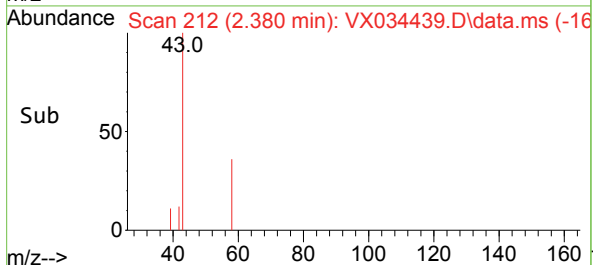
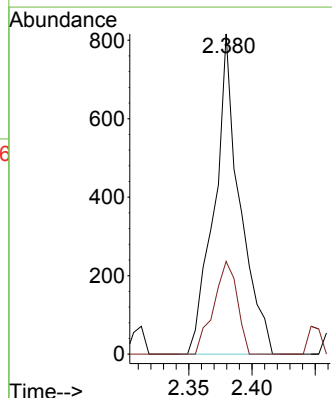
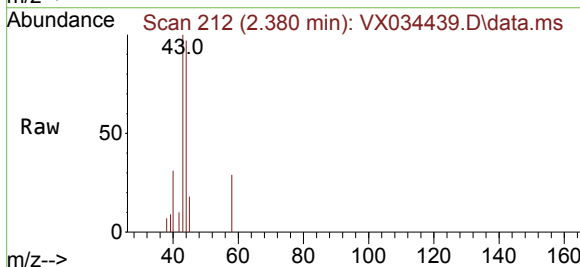
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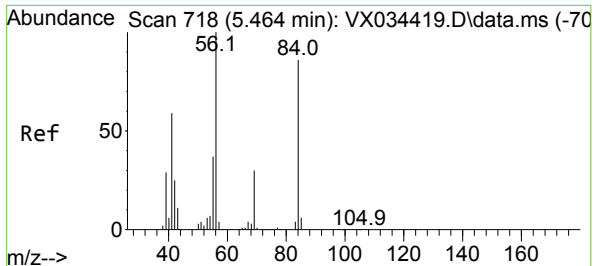
Tgt Ion: 43 Resp: 1142

Ion Ratio Lower Upper

43 100

58 28.9 24.7 37.1

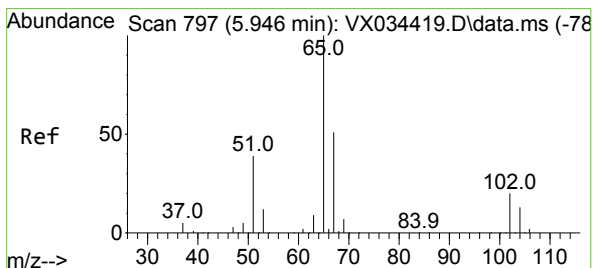
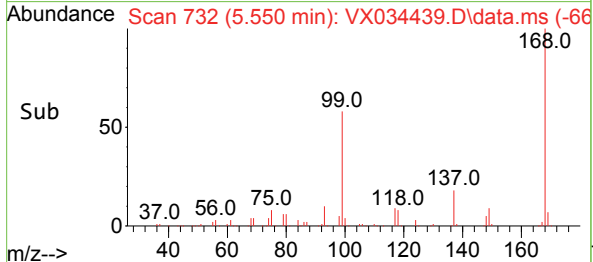
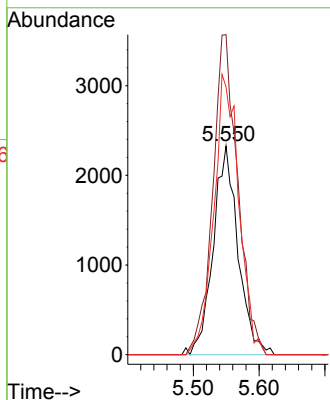
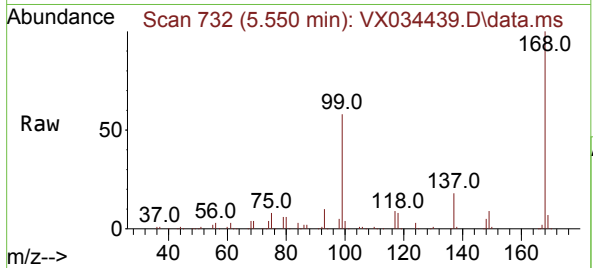




#31
Cyclohexane
Concen: 1.141 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034439.D
Acq: 13 Mar 2023 17:46

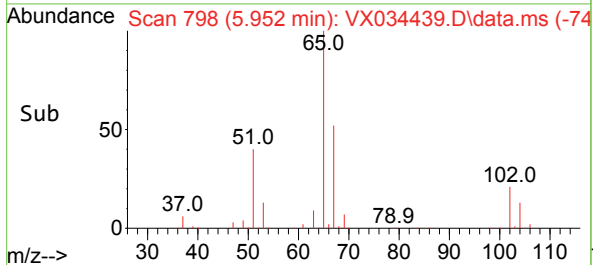
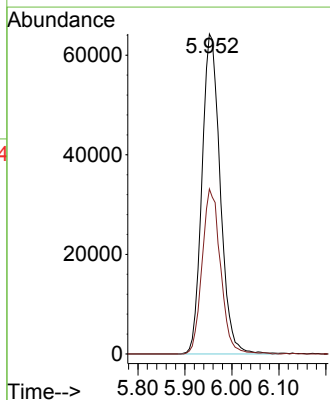
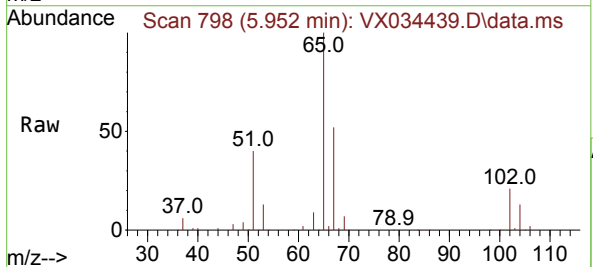
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20230308

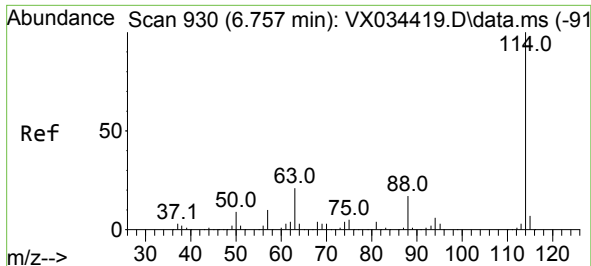
Tgt Ion: 56 Resp: 6110
Ion Ratio Lower Upper
56 100
69 153.4 23.7 35.5#
84 128.4 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 45.263 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034439.D
Acq: 13 Mar 2023 17:46

Tgt Ion: 65 Resp: 172863
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.0

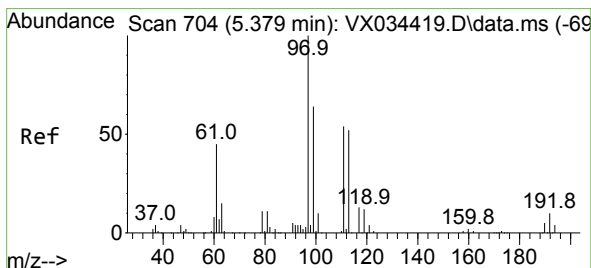
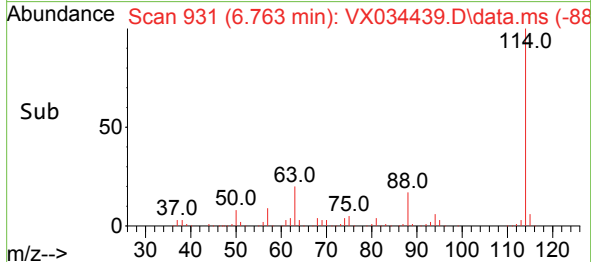
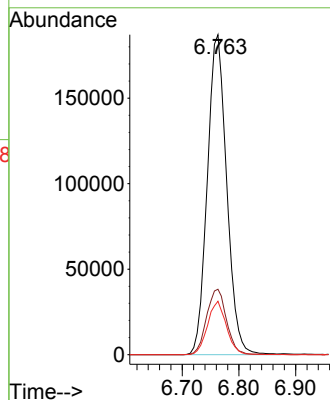
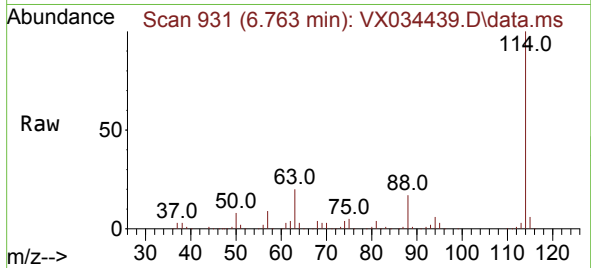




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034439.D
Acq: 13 Mar 2023 17:46

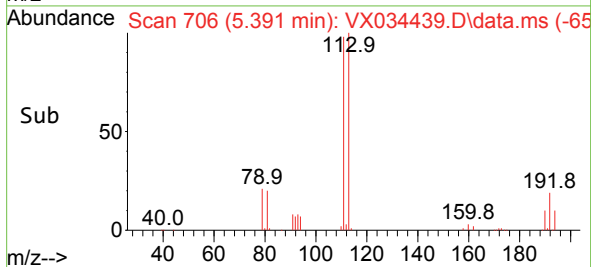
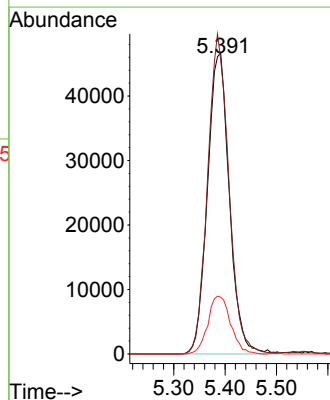
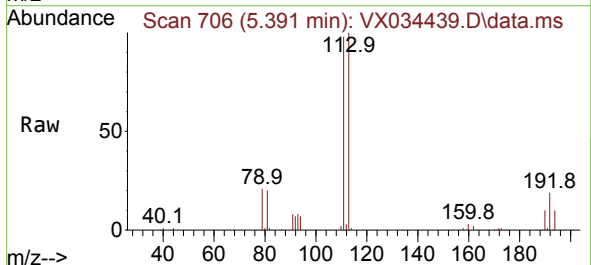
Instrument :
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ClientSampleId :
RE104D3-20230308

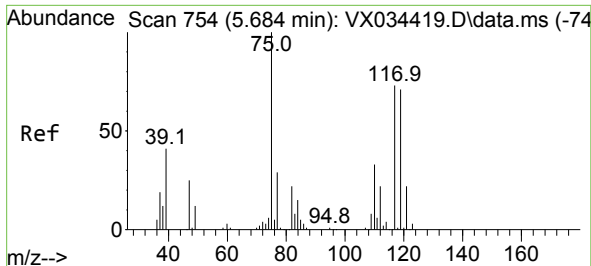
Tgt Ion:114 Resp: 444855
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.2
88 16.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 46.967 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.012 min
Lab File: VX034439.D
Acq: 13 Mar 2023 17:46

Tgt Ion:113 Resp: 137950
Ion Ratio Lower Upper
113 100
111 103.1 83.7 125.5
192 19.9 15.4 23.2

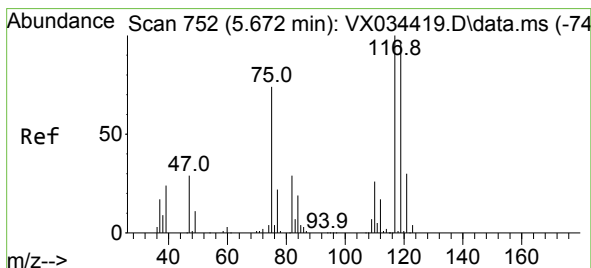
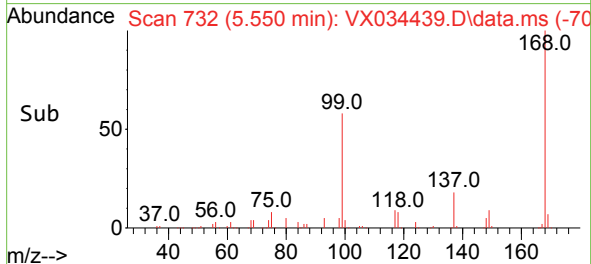
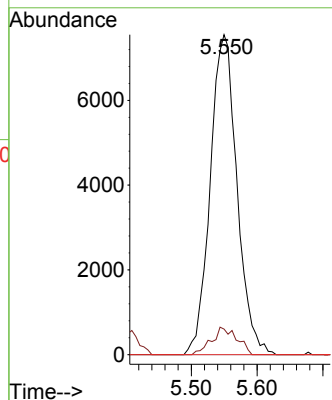
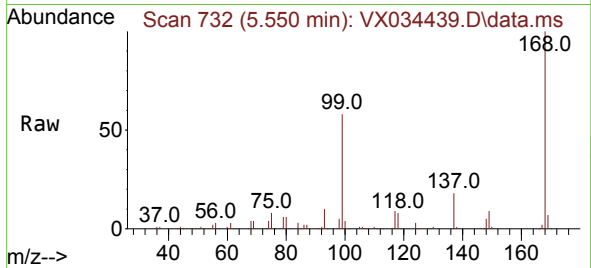




#36
1,1-Dichloropropene
Concen: 4.739 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034439.D
Acq: 13 Mar 2023 17:46

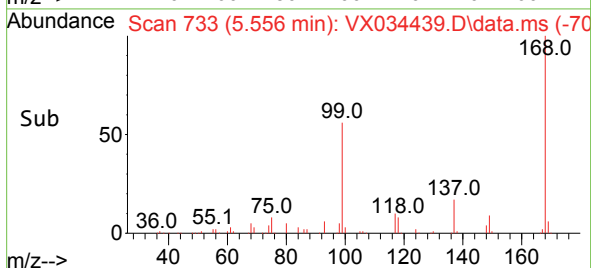
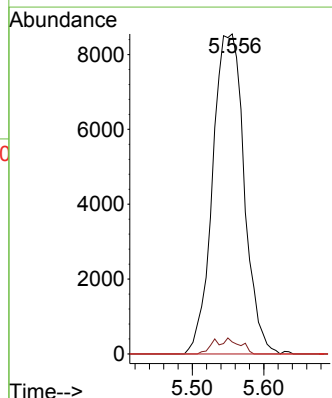
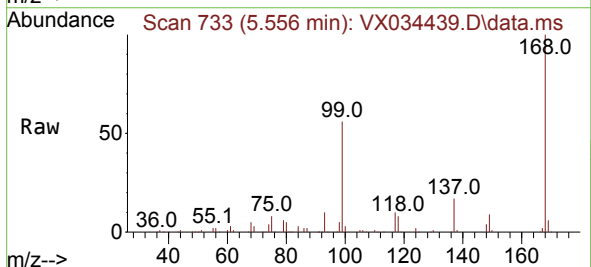
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ClientSampleId :
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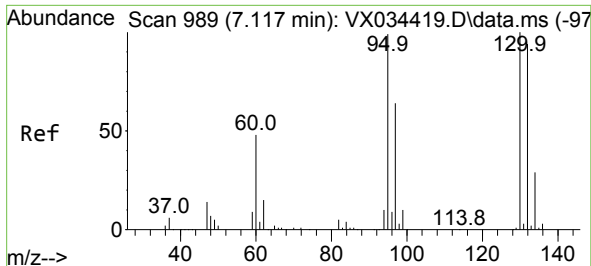
Tgt Ion: 75 Resp: 21380
Ion Ratio Lower Upper
75 100
110 8.1 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.836 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX034439.D
Acq: 13 Mar 2023 17:46

Tgt Ion: 117 Resp: 26191
Ion Ratio Lower Upper
117 100
119 3.7 76.6 114.8#
121 0.0 23.8 35.6#

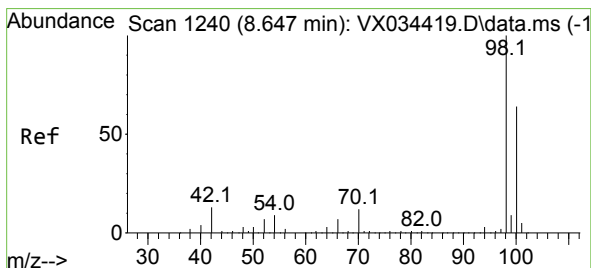
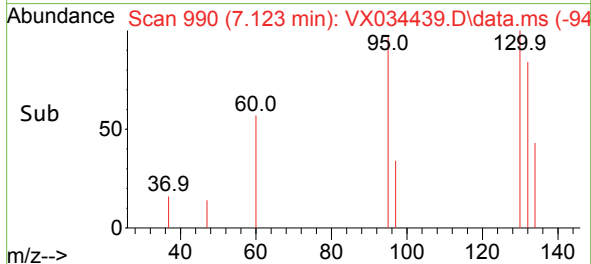
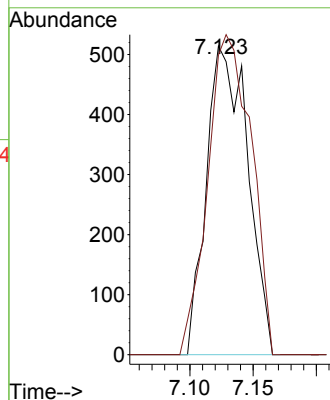
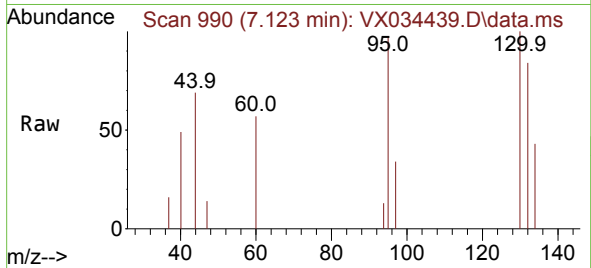




#44
Trichloroethene
Concen: 0.340 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX034439.D
Acq: 13 Mar 2023 17:46

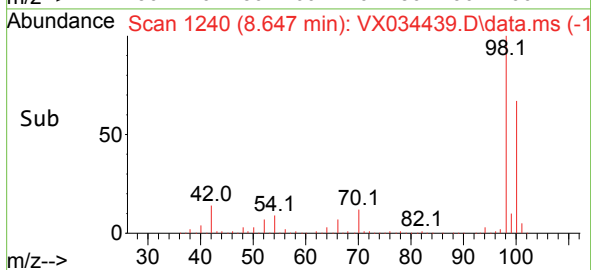
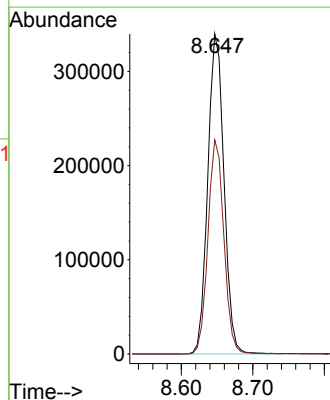
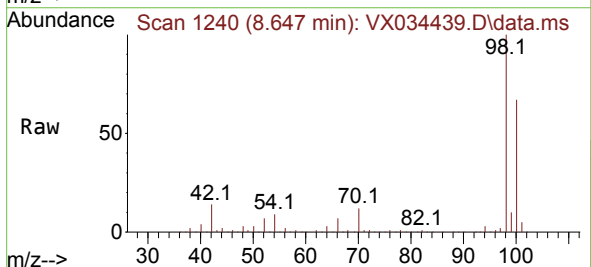
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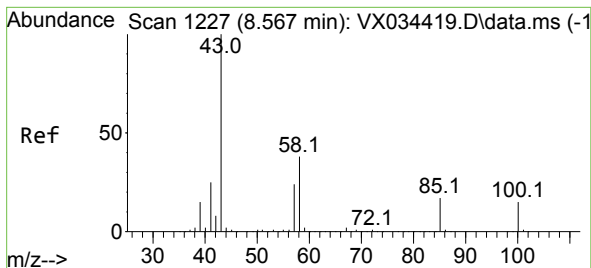
Tgt Ion:130 Resp: 1166
Ion Ratio Lower Upper
130 100
95 97.1 0.0 198.4



#50
Toluene-d8
Concen: 48.801 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034439.D
Acq: 13 Mar 2023 17:46

Tgt Ion: 98 Resp: 535078
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.593 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX034439.D

Acq: 13 Mar 2023 17:46

Instrument :

MSVOA_X

ClientSampleId :

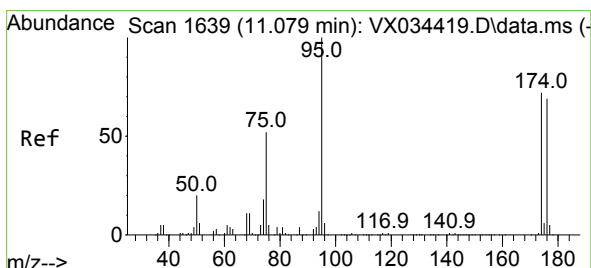
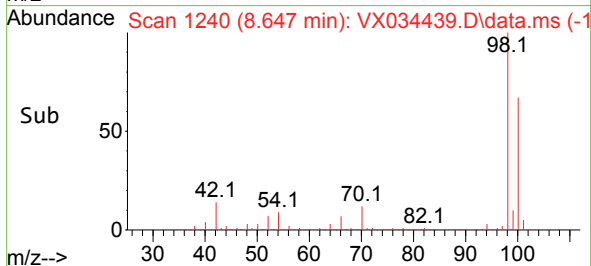
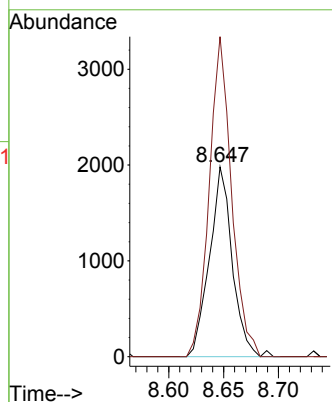
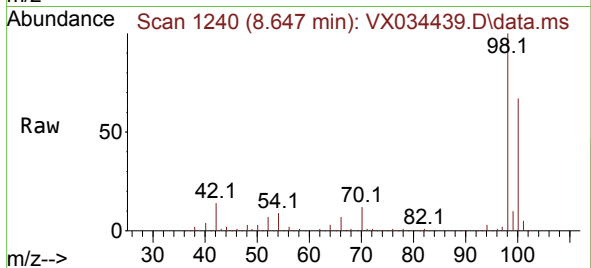
RE104D3-20230308

Tgt Ion: 43 Resp: 2871

Ion Ratio Lower Upper

43 100

58 164.5 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 44.850 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX034439.D

Acq: 13 Mar 2023 17:46

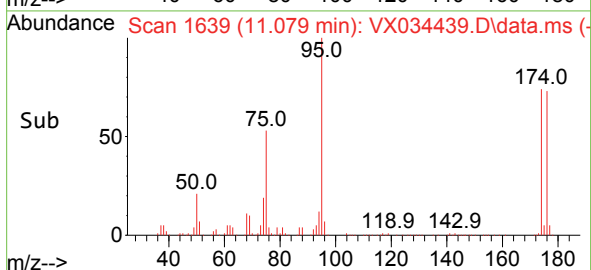
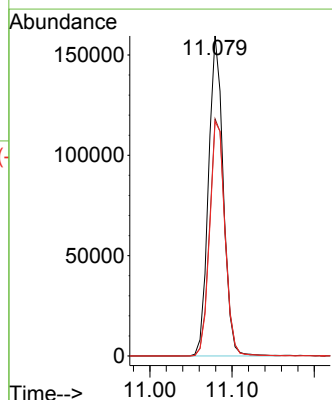
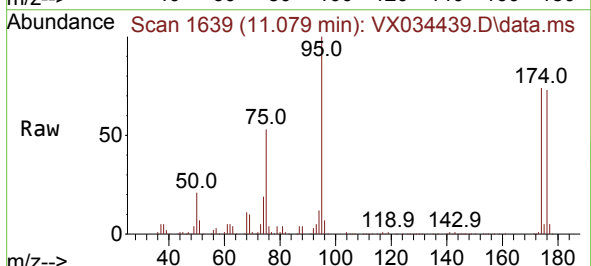
Tgt Ion: 95 Resp: 198635

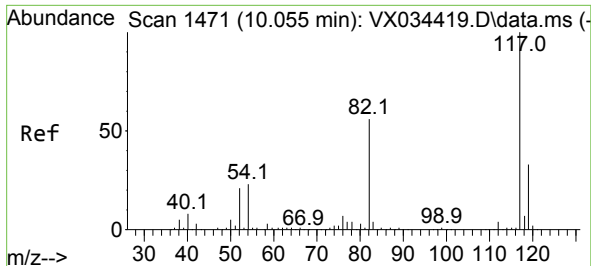
Ion Ratio Lower Upper

95 100

174 77.4 0.0 147.4

176 75.8 0.0 140.6

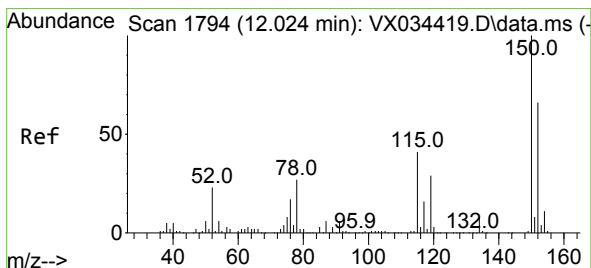
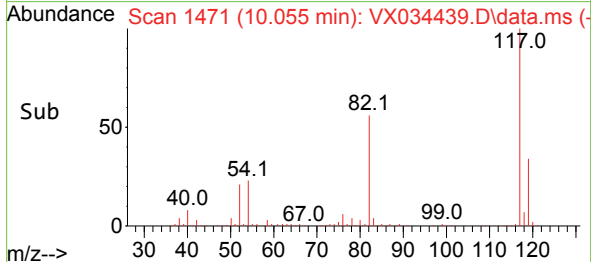
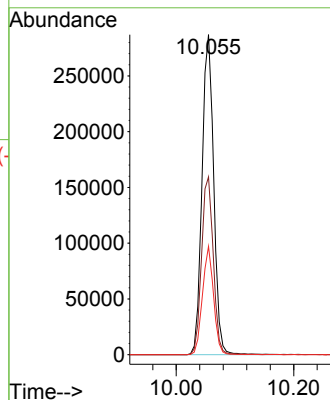
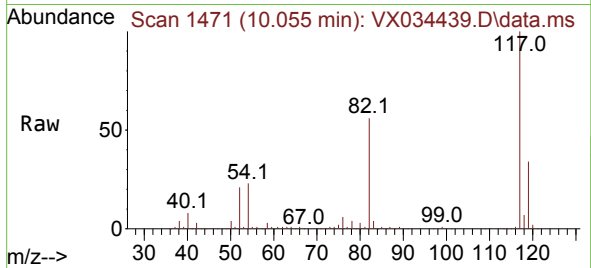




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034439.D
Acq: 13 Mar 2023 17:46

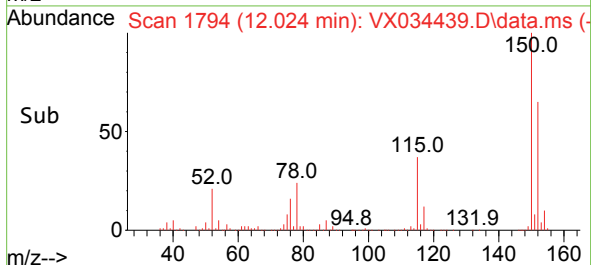
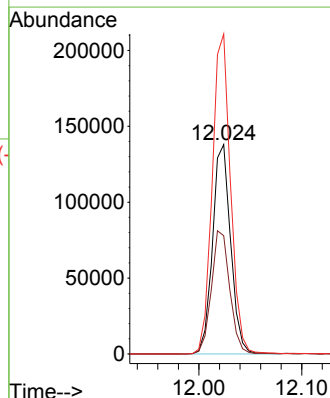
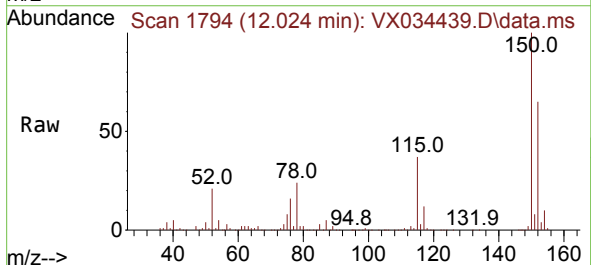
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-20230308

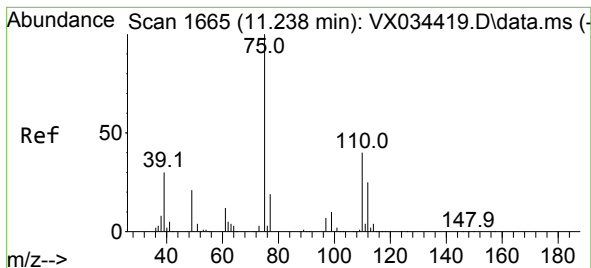
Tgt Ion:117 Resp: 394501
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 33.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034439.D
Acq: 13 Mar 2023 17:46

Tgt Ion:152 Resp: 169045
Ion Ratio Lower Upper
152 100
115 59.8 45.0 135.0
150 154.3 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 26.687 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034439.D

Acq: 13 Mar 2023 17:46

Instrument :

MSVOA_X

ClientSampleId :

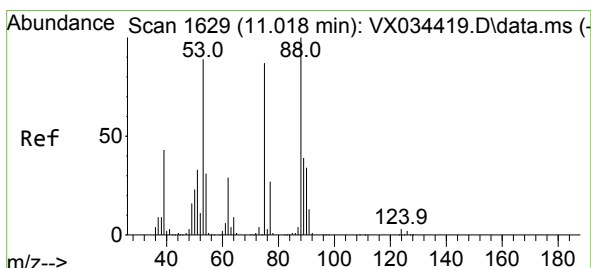
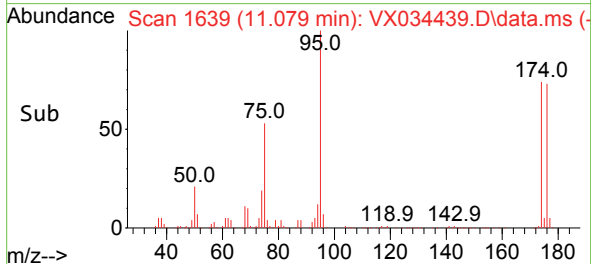
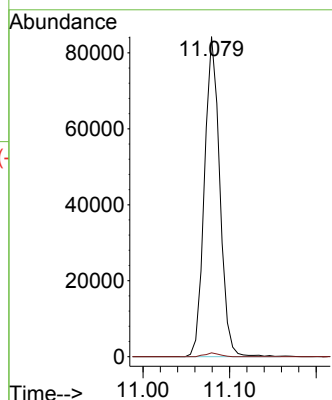
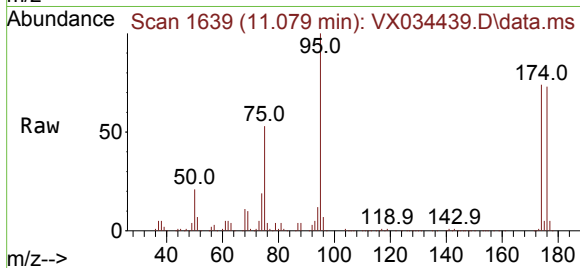
RE104D3-20230308

Tgt Ion: 75 Resp: 103586

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.197 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034439.D

Acq: 13 Mar 2023 17:46

Tgt Ion: 75 Resp: 103586

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

