

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050123\
 Data File : VX035451.D
 Acq On : 01 May 2023 19:24
 Operator : JC/MD
 Sample : 02515-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LEA-13I

Quant Time: May 02 00:05:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

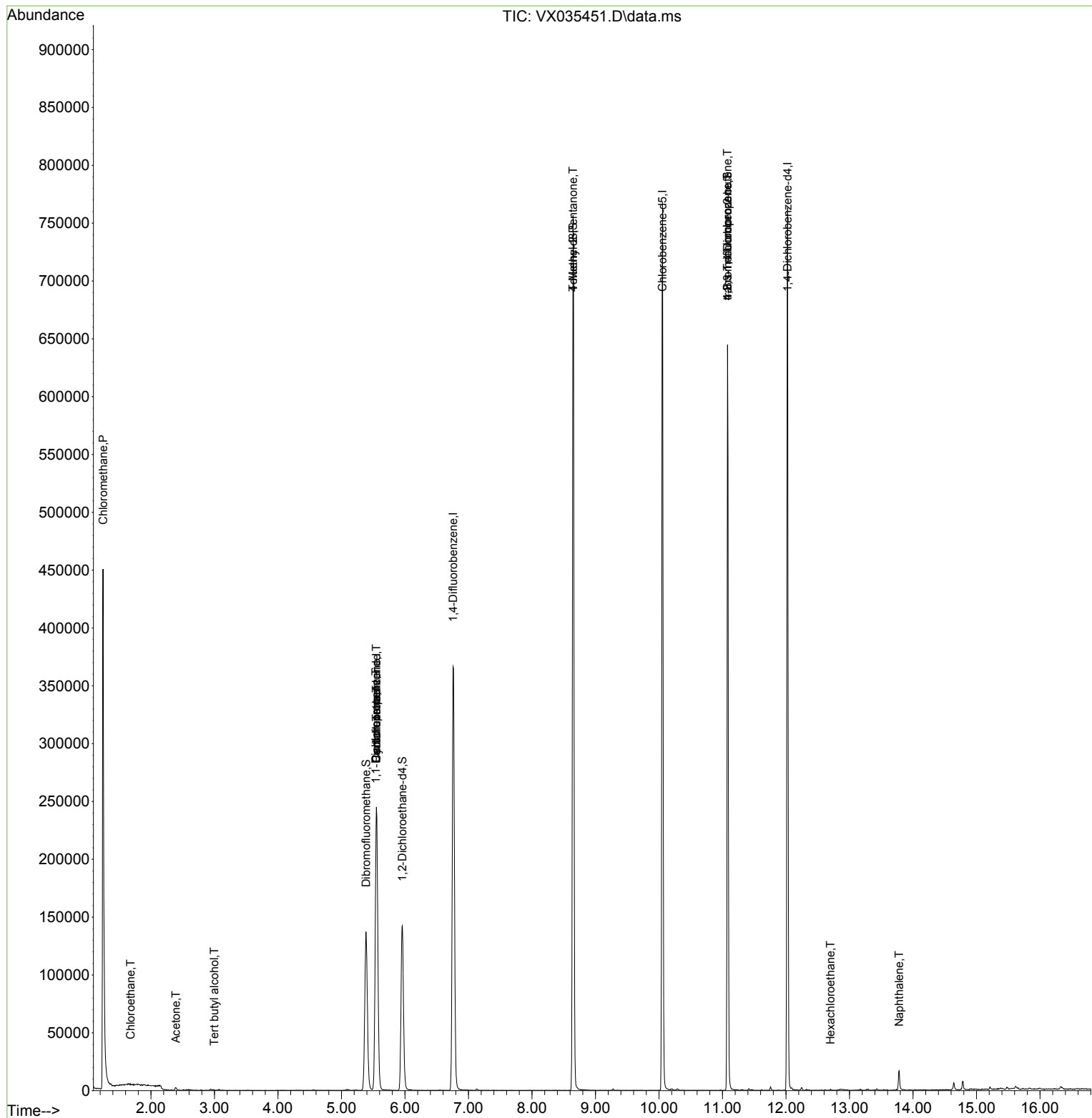
Internal Standards						
1) Pentafluorobenzene	5.550	168	244135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	392987	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	360168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	168026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	139348	47.311	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.620%		
35) Dibromofluoromethane	5.385	113	120376	49.906	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.820%		
50) Toluene-d8	8.647	98	457620	50.293	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.580%		
62) 4-Bromofluorobenzene	11.079	95	175652	51.317	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.640%		
Target Compounds			Qvalue			
3) Chloromethane	1.246	50	10153	4.320	ug/l #	42
6) Chloroethane	1.679	64	278	0.202	ug/l #	49
11) Tert butyl alcohol	2.995	59	178	0.332	ug/l #	73
16) Acetone	2.392	43	2493	1.949	ug/l	97
31) Cyclohexane	5.550	56	4313	1.032	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	16783	4.456	ug/l #	51
38) Carbon Tetrachloride	5.550	117	23847	6.670	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	1856	0.523	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	84213	25.125	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	84213	81.376	ug/l #	8
90) Hexachloroethane	12.701	117	583	0.351	ug/l #	15
95) Naphthalene	13.780	128	13555	1.207	ug/l	99

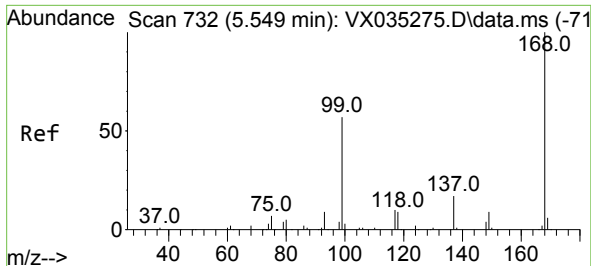
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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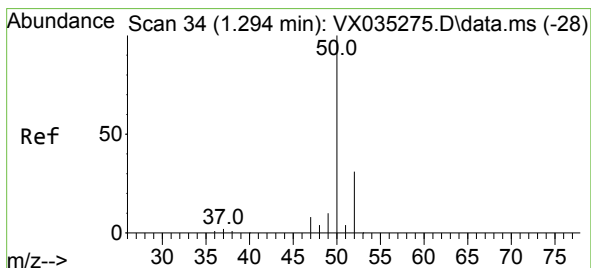
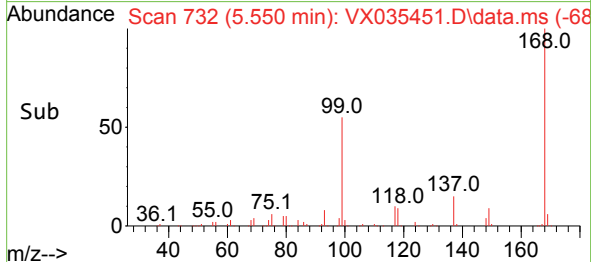
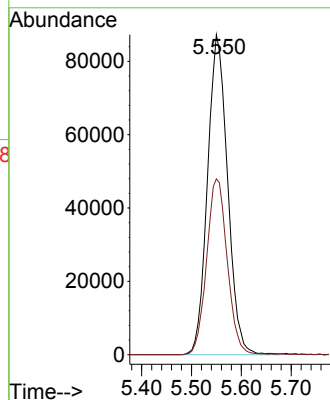
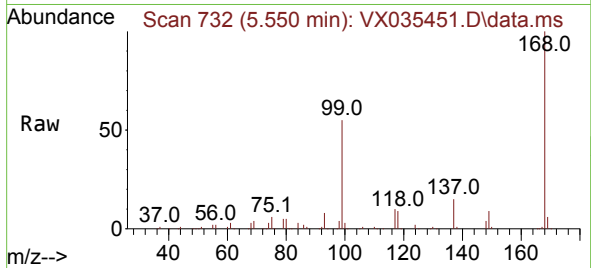




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035451.D
Acq: 01 May 2023 19:24

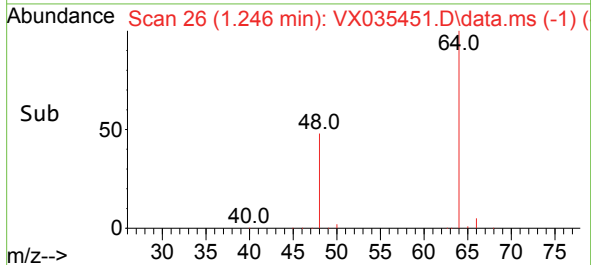
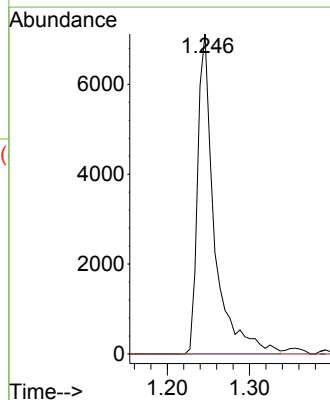
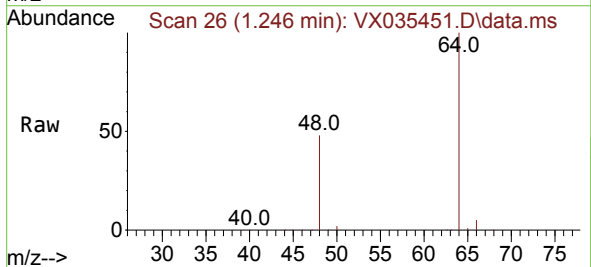
Instrument :
MSVOA_X
ClientSampleId :
LEA-13I

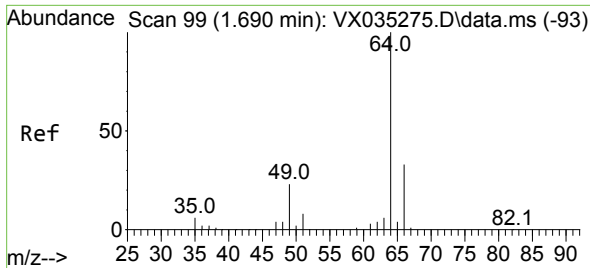
Tgt Ion:168 Resp: 244135
Ion Ratio Lower Upper
168 100
99 55.0 45.7 68.5



#3
Chloromethane
Concen: 4.320 ug/l
RT: 1.246 min Scan# 26
Delta R.T. -0.048 min
Lab File: VX035451.D
Acq: 01 May 2023 19:24

Tgt Ion: 50 Resp: 10153
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

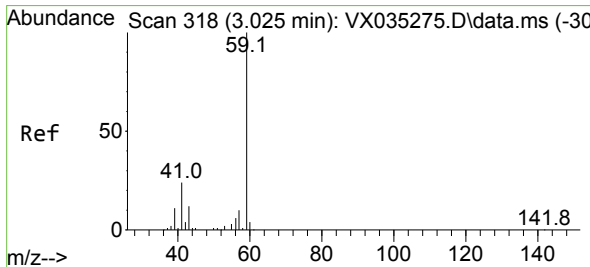
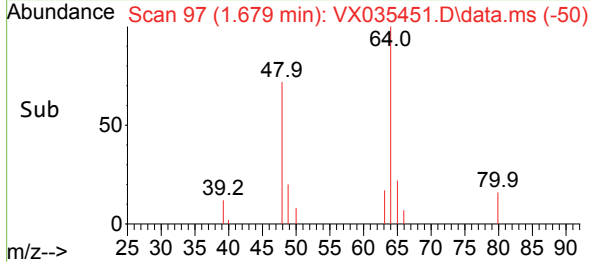
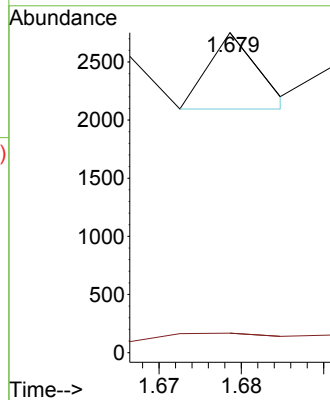
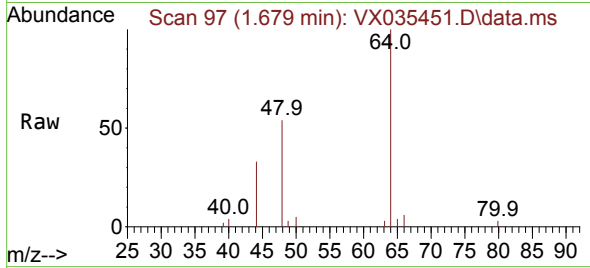




#6
Chloroethane
Concen: 0.202 ug/l
RT: 1.679 min Scan# 91
Delta R.T. -0.011 min
Lab File: VX035451.D
Acq: 01 May 2023 19:24

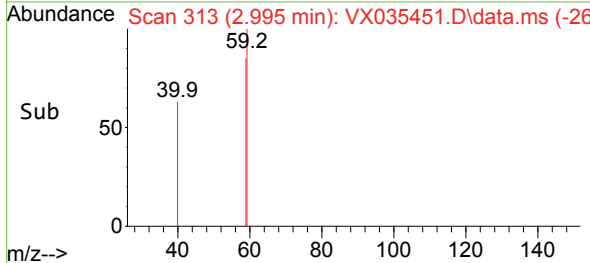
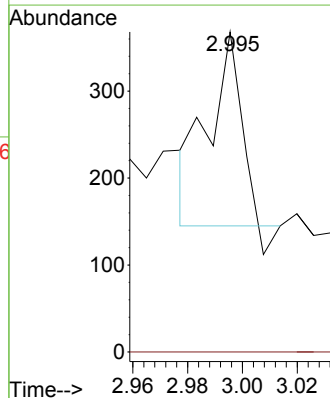
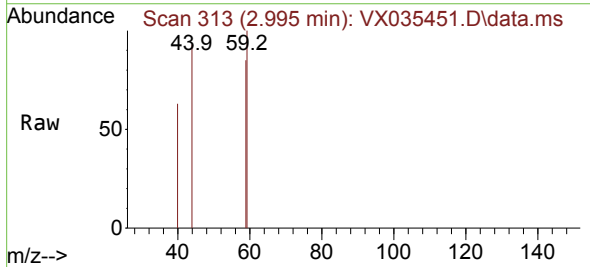
Instrument :
MSVOA_X
ClientSampleId :
LEA-13I

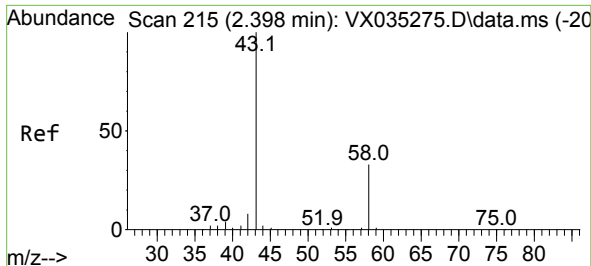
Tgt Ion: 64 Resp: 278
Ion Ratio Lower Upper
64 100
66 4.1 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.332 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.030 min
Lab File: VX035451.D
Acq: 01 May 2023 19:24

Tgt Ion: 59 Resp: 178
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

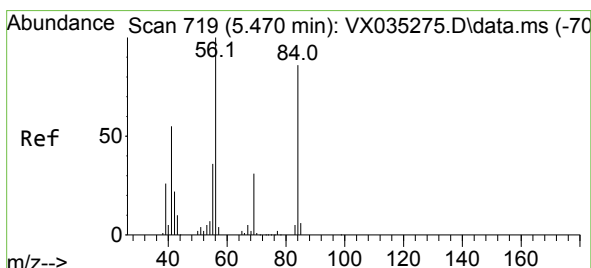
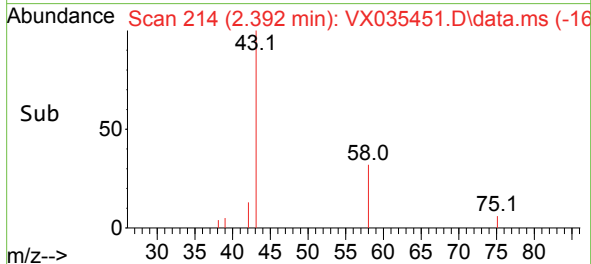
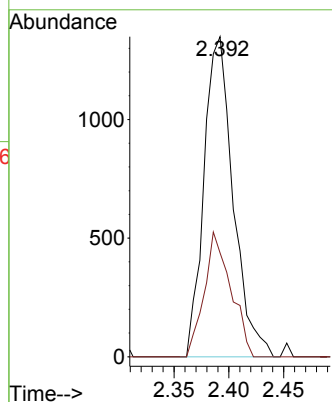
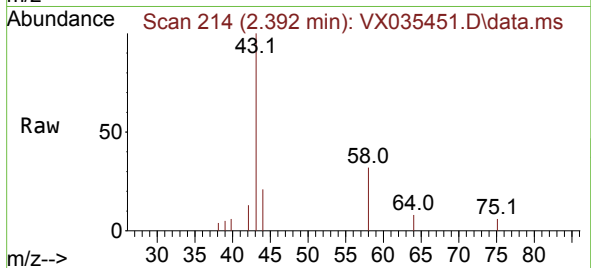




#16
Acetone
Concen: 1.949 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX035451.D
Acq: 01 May 2023 19:24

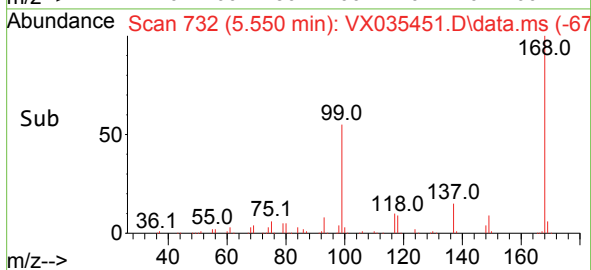
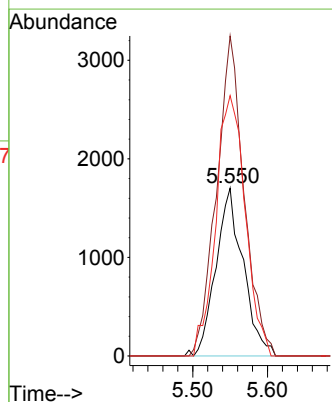
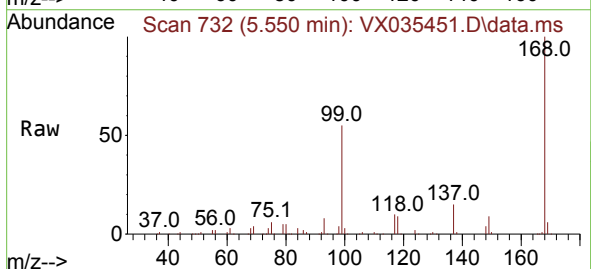
Instrument :
MSVOA_X
ClientSampleId :
LEA-13I

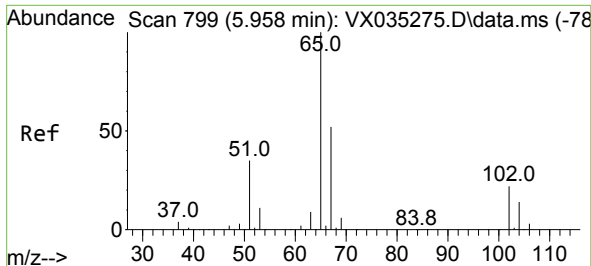
Tgt Ion: 43 Resp: 2493
Ion Ratio Lower Upper
43 100
58 32.5 24.7 37.1



#31
Cyclohexane
Concen: 1.032 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX035451.D
Acq: 01 May 2023 19:24

Tgt Ion: 56 Resp: 4313
Ion Ratio Lower Upper
56 100
69 190.6 23.7 35.5#
84 155.0 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 47.311 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX035451.D

Acq: 01 May 2023 19:24

Instrument :

MSVOA_X

ClientSampleId :

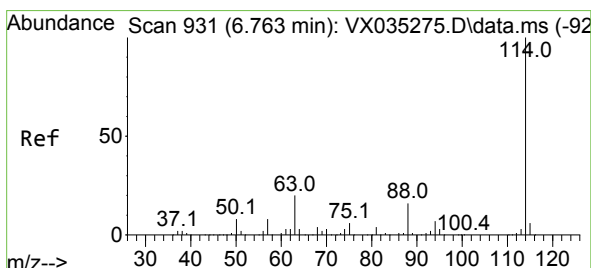
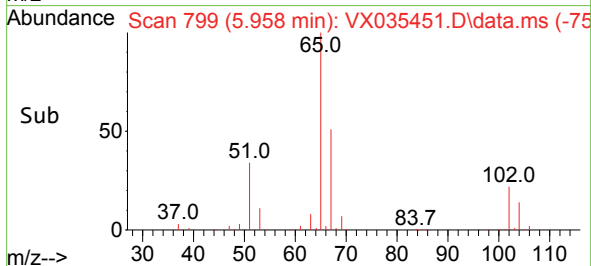
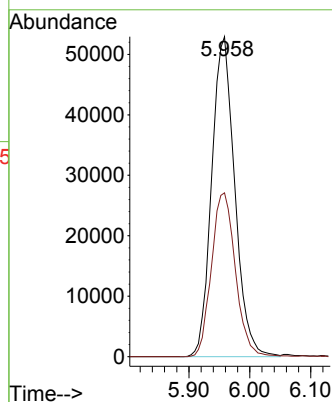
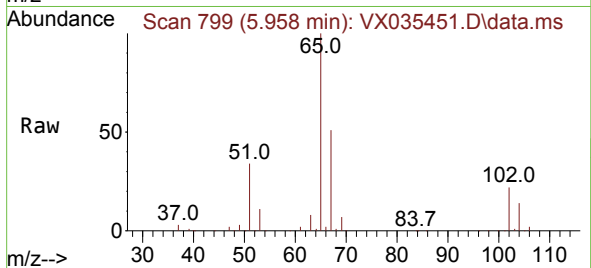
LEA-13I

Tgt Ion: 65 Resp: 139348

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX035451.D

Acq: 01 May 2023 19:24

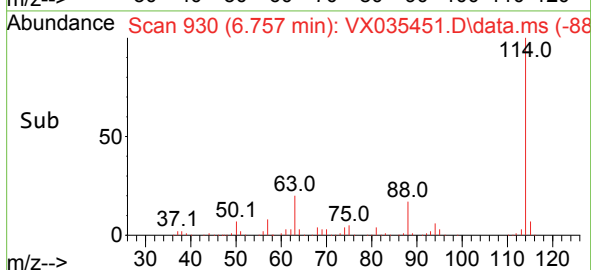
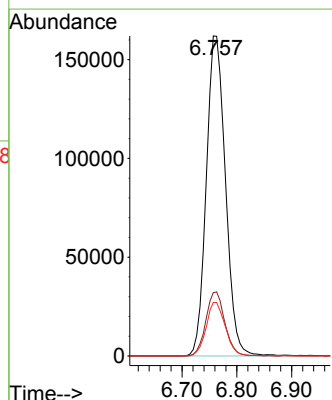
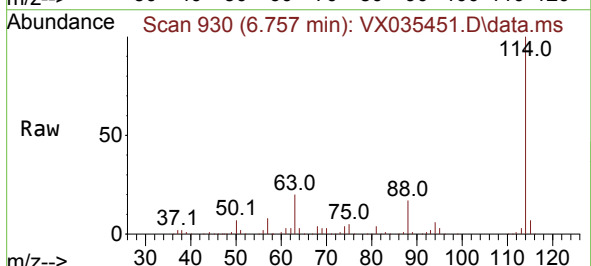
Tgt Ion: 114 Resp: 392987

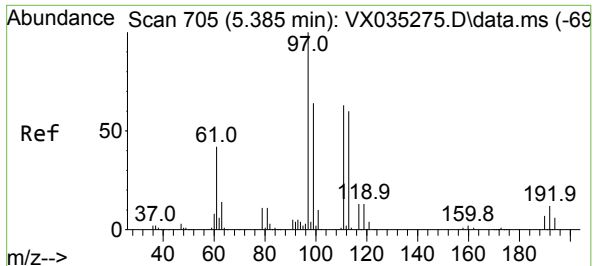
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.2

88 16.8 0.0 33.2

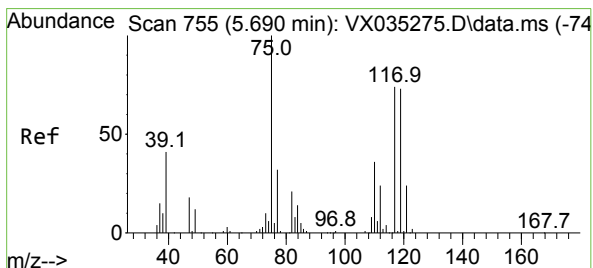
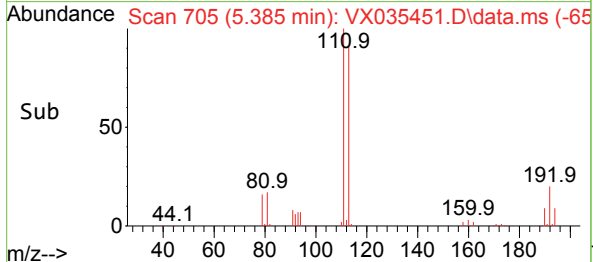
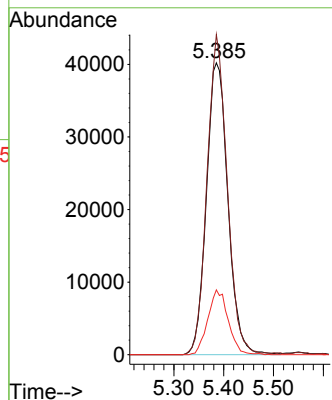
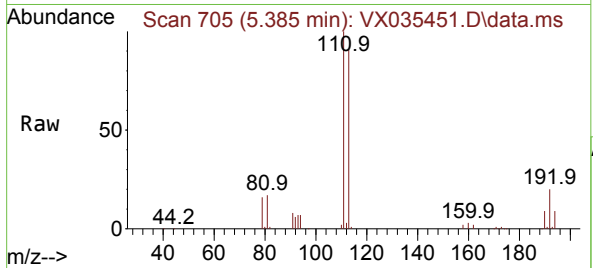




#35
Dibromofluoromethane
Concen: 49.906 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035451.D
Acq: 01 May 2023 19:24

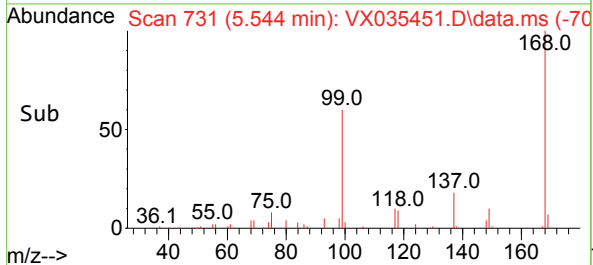
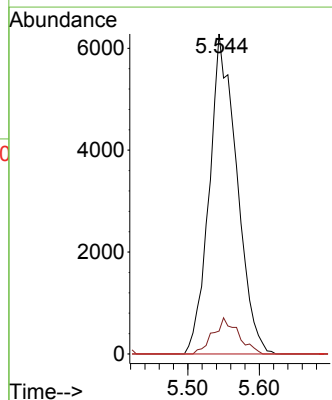
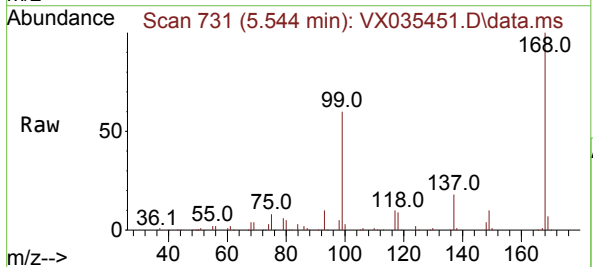
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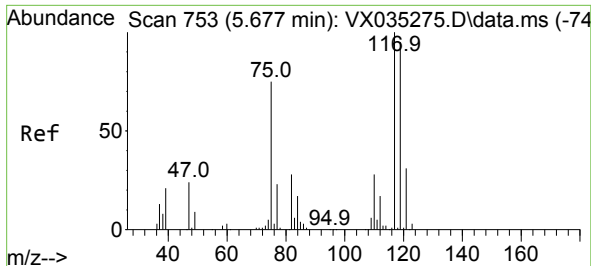
Tgt Ion:113 Resp: 120376
Ion Ratio Lower Upper
113 100
111 102.9 83.7 125.5
192 21.0 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.456 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX035451.D
Acq: 01 May 2023 19:24

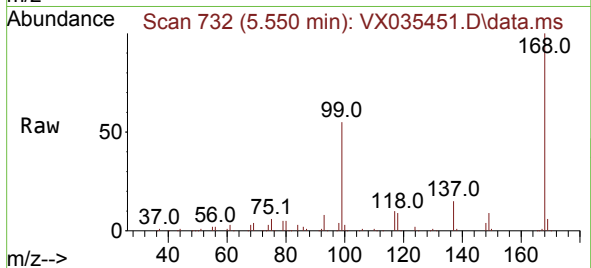
Tgt Ion: 75 Resp: 16783
Ion Ratio Lower Upper
75 100
110 10.4 17.5 52.5#
77 0.0 24.3 36.5#



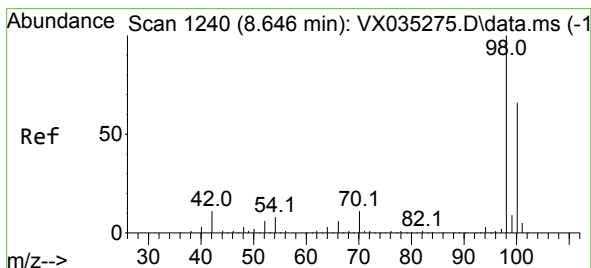
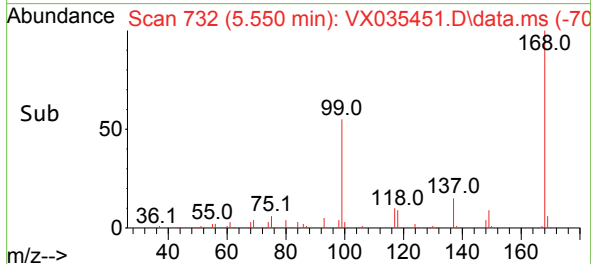
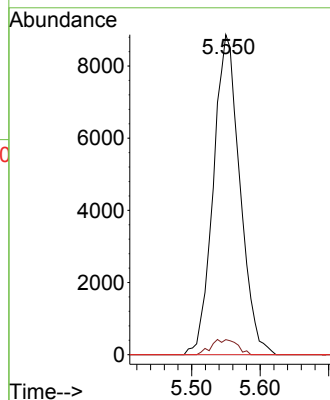


#38
Carbon Tetrachloride
Concen: 6.670 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX035451.D
Acq: 01 May 2023 19:24

Instrument :
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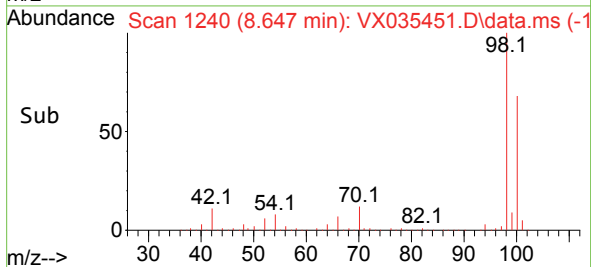
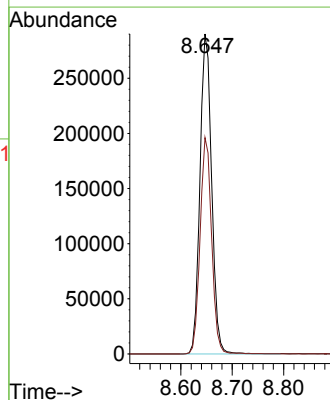
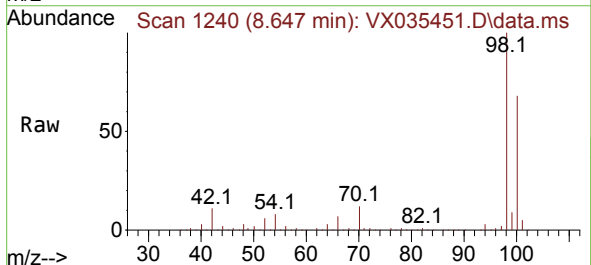


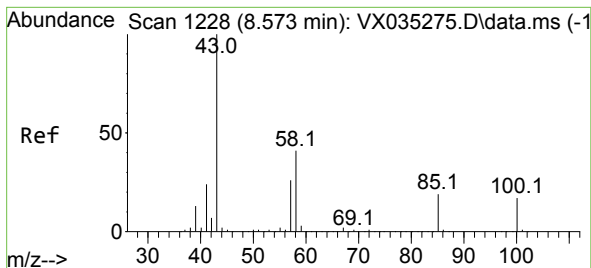
Tgt Ion:117 Resp: 23847
Ion Ratio Lower Upper
117 100
119 4.7 76.6 114.8#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 50.293 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX035451.D
Acq: 01 May 2023 19:24

Tgt Ion: 98 Resp: 457620
Ion Ratio Lower Upper
98 100
100 66.9 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.523 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.074 min

Lab File: VX035451.D

Acq: 01 May 2023 19:24

Instrument :

MSVOA_X

ClientSampleId :

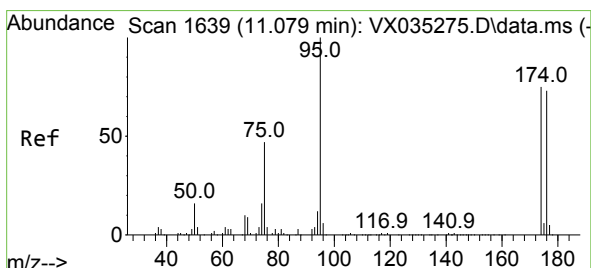
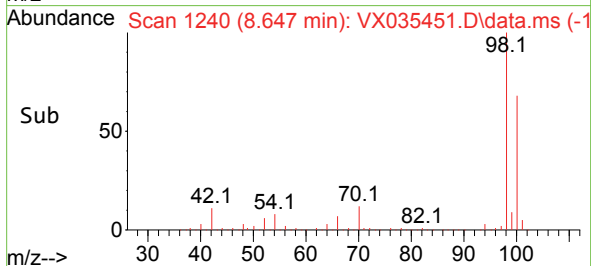
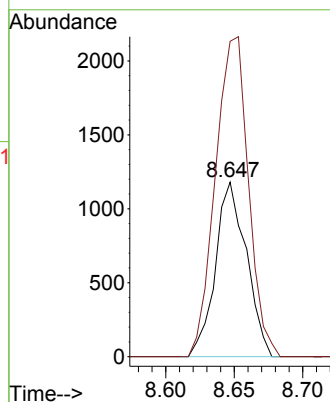
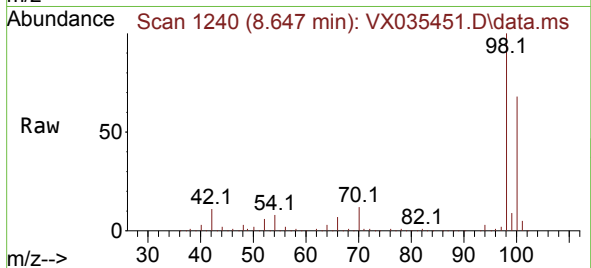
LEA-13I

Tgt Ion: 43 Resp: 1856

Ion Ratio Lower Upper

43 100

58 195.7 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 51.317 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035451.D

Acq: 01 May 2023 19:24

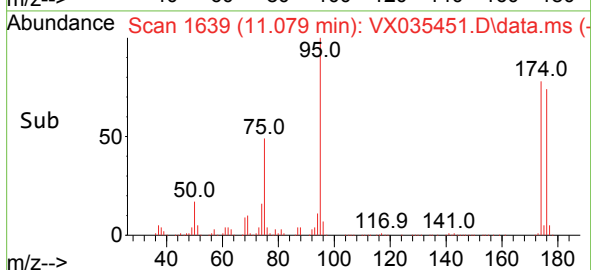
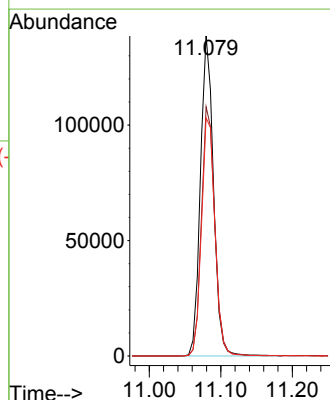
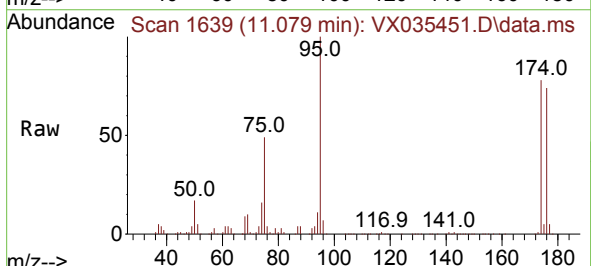
Tgt Ion: 95 Resp: 175652

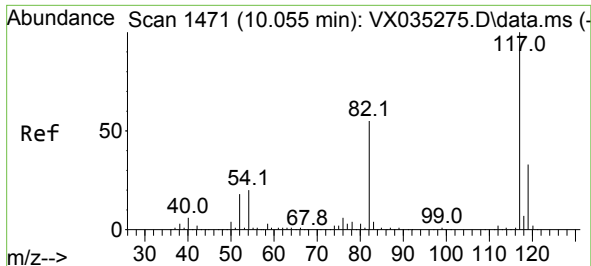
Ion Ratio Lower Upper

95 100

174 79.6 0.0 147.4

176 76.9 0.0 140.6

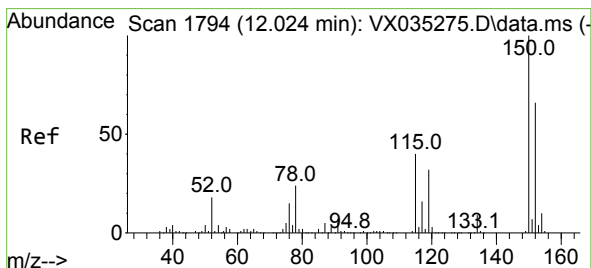
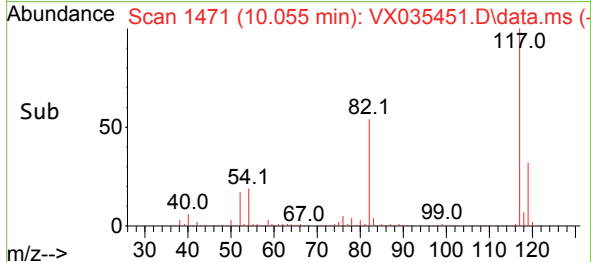
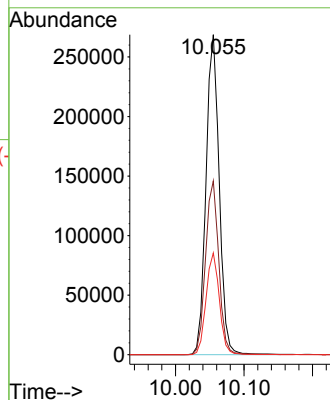
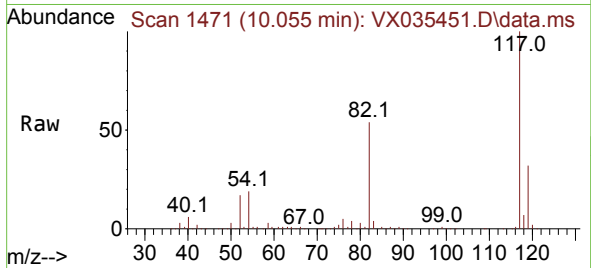




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035451.D
Acq: 01 May 2023 19:24

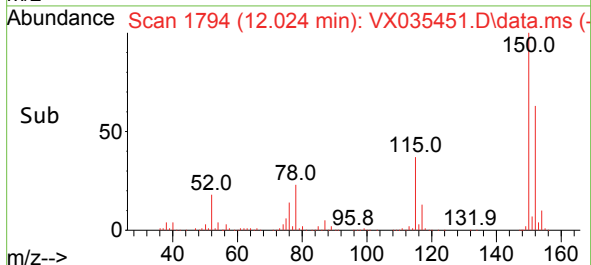
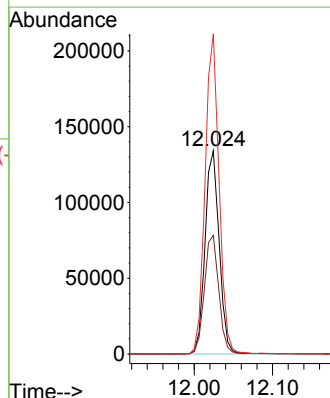
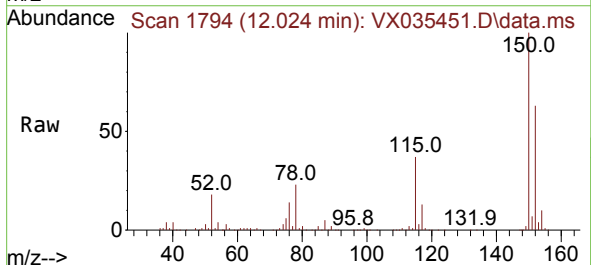
Instrument :
MSVOA_X
ClientSampleId :
LEA-13I

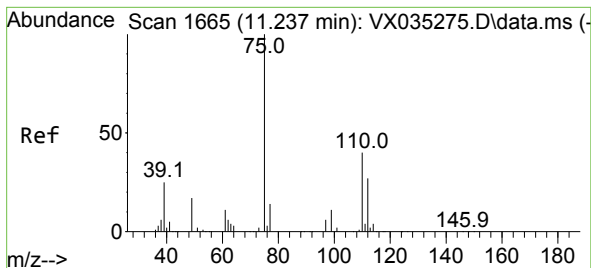
Tgt Ion:117 Resp: 360168
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.4
119 31.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035451.D
Acq: 01 May 2023 19:24

Tgt Ion:152 Resp: 168026
Ion Ratio Lower Upper
152 100
115 59.8 45.0 135.0
150 155.1 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 25.125 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX035451.D

Acq: 01 May 2023 19:24

Instrument :

MSVOA_X

ClientSampleId :

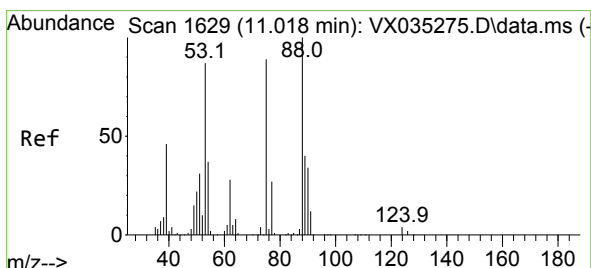
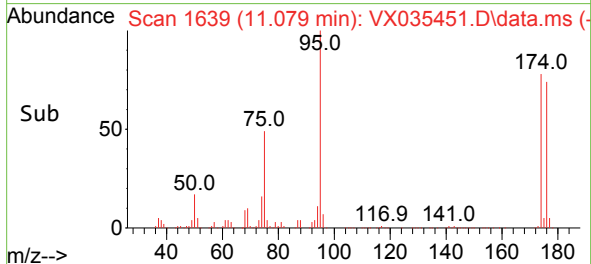
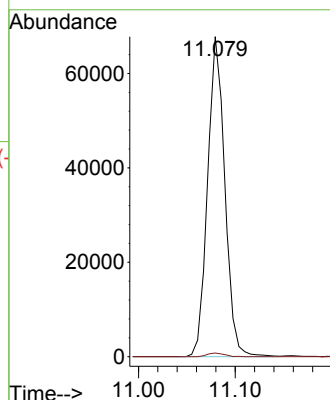
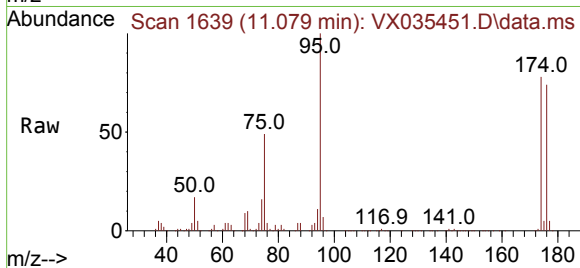
LEA-13I

Tgt Ion: 75 Resp: 84213

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.376 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX035451.D

Acq: 01 May 2023 19:24

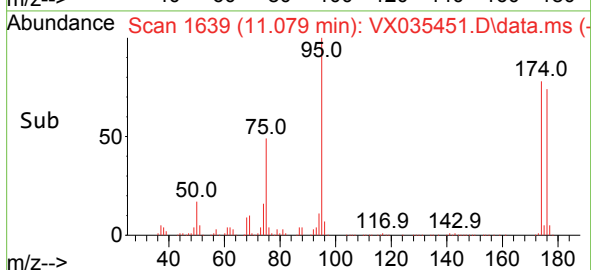
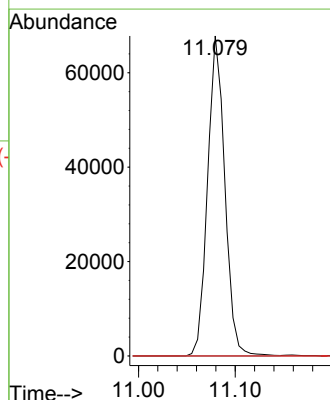
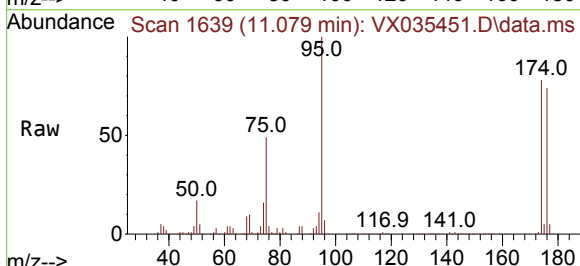
Tgt Ion: 75 Resp: 84213

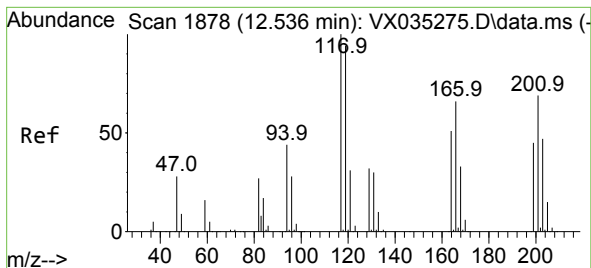
Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#





#90

Hexachloroethane

Concen: 0.351 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.165 min

Lab File: VX035451.D

Acq: 01 May 2023 19:24

Instrument :

MSVOA_X

ClientSampleId :

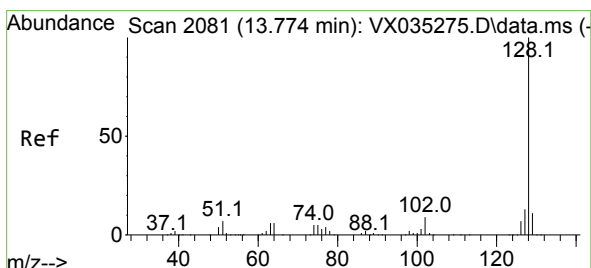
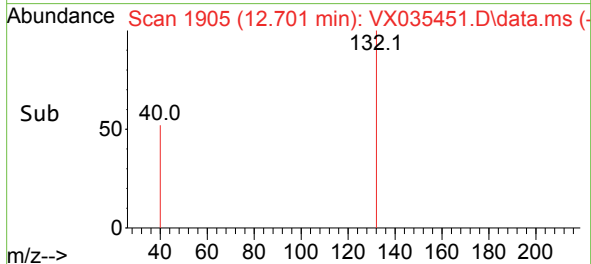
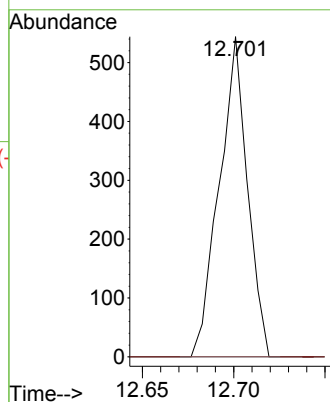
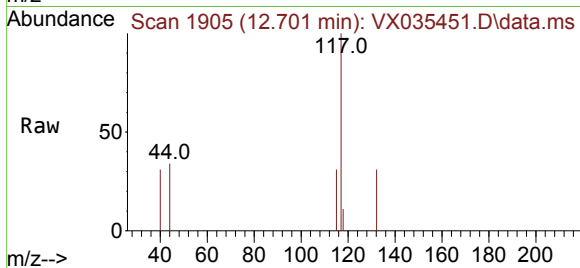
LEA-13I

Tgt Ion:117 Resp: 583

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.1#



#95

Naphthalene

Concen: 1.207 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX035451.D

Acq: 01 May 2023 19:24

Tgt Ion:128 Resp: 13555

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

129 10.7 8.6 13.0

