

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012623\
 Data File : VX033907.D
 Acq On : 26 Jan 2023 13:41
 Operator : JC/MD
 Sample : 01308-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LEA-13I

Quant Time: Jan 27 02:54:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

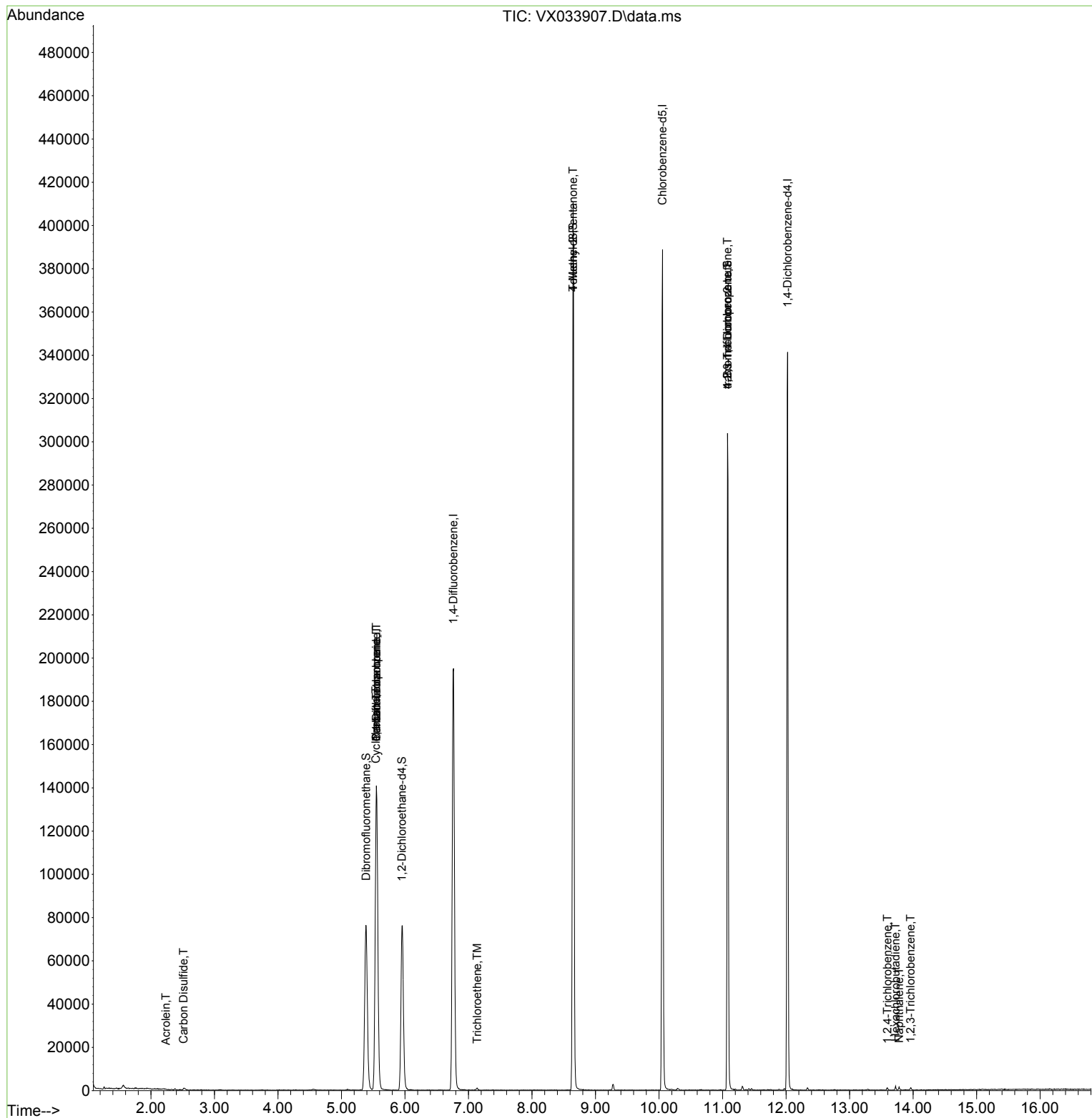
Internal Standards						
1) Pentafluorobenzene	5.550	168	156135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	220107	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73141	44.491	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.980%
35) Dibromofluoromethane	5.385	113	67875	49.662	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.320%
50) Toluene-d8	8.647	98	250153	50.234	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.460%
62) 4-Bromofluorobenzene	11.079	95	80617	43.603	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.200%
Target Compounds						
					Qvalue	
13) Acrolein	2.233	56	67	0.254	ug/l #	14
16) Acetone	2.379	43	568	Below Cal		91
17) Carbon Disulfide	2.514	76	854	2.078	ug/l #	76
20) Methylene Chloride	2.782	84	112	Below Cal	#	25
31) Cyclohexane	5.544	56	2466	1.019	ug/l #	28
36) 1,1-Dichloropropene	5.550	75	9207	4.616	ug/l #	48
38) Carbon Tetrachloride	5.550	117	13023	6.304	ug/l #	15
44) Trichloroethene	7.135	130	424	0.261	ug/l	73
51) 4-Methyl-2-Pentanone	8.647	43	1065	0.551	ug/l #	1
64) Tetrachloroethene	9.281	164	228	Below Cal	#	60
73) Isopropylbenzene	10.963	105	196	Below Cal	#	48
76) 1,2,3-Trichloropropane	11.079	75	37654	24.984	ug/l #	34
77) Bromobenzene	11.195	156	79	Below Cal	#	71
79) 2-Chlorotoluene	11.457	91	365	Below Cal		86
81) trans-1,4-Dichloro-2-b...	11.079	75	37654	77.647	ug/l #	8
82) 4-Chlorotoluene	11.457	91	365	Below Cal		93
93) 1,2,4-Trichlorobenzene	13.597	180	444	0.246	ug/l	90
94) Hexachlorobutadiene	13.725	225	384	0.435	ug/l	94
95) Naphthalene	13.780	128	1306	0.252	ug/l #	86
96) 1,2,3-Trichlorobenzene	13.963	180	397	0.220	ug/l	90

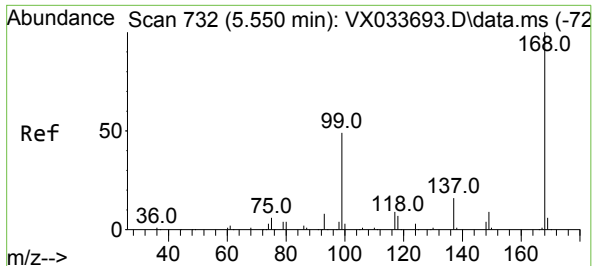
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration

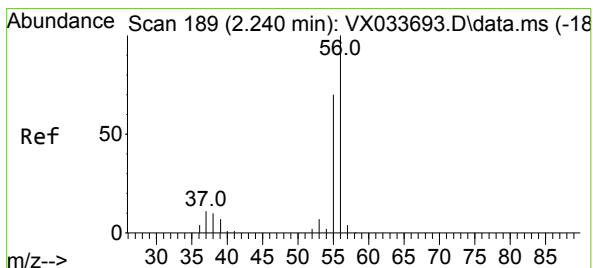
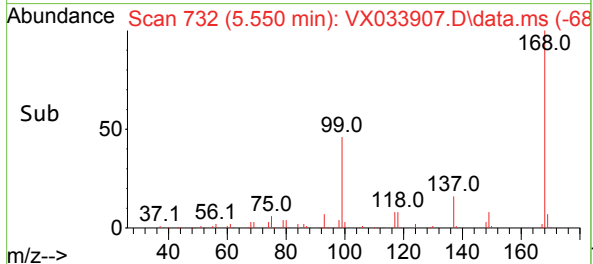
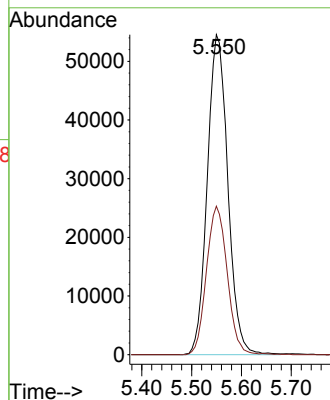
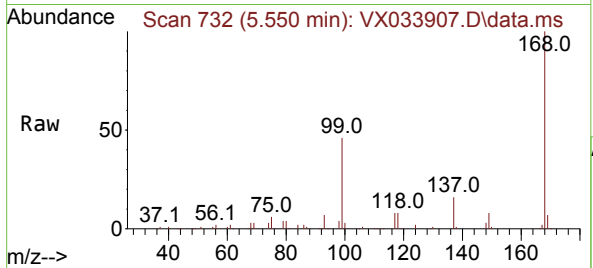




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

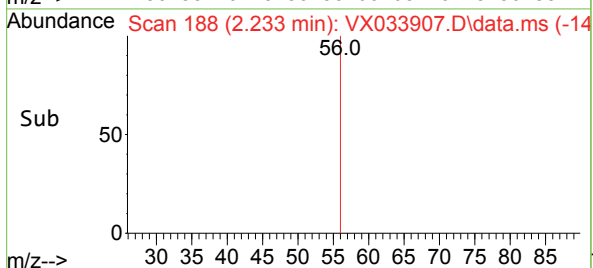
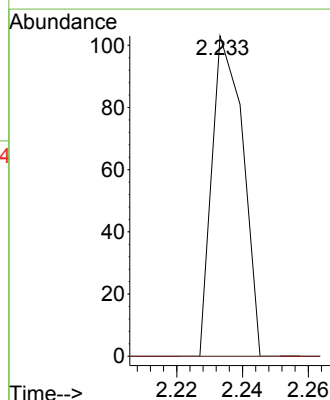
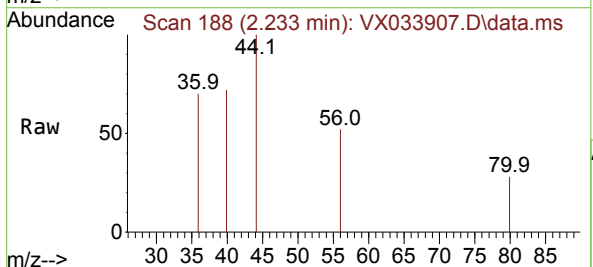
Instrument :
MSVOA_X
ClientSampleId :
LEA-13I

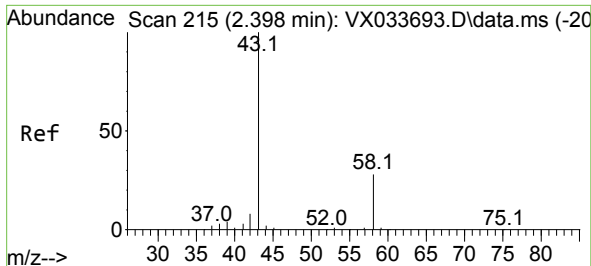
Tgt Ion:168 Resp: 156135
Ion Ratio Lower Upper
168 100
99 46.4 39.6 59.4



#13
Acrolein
Concen: 0.254 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#

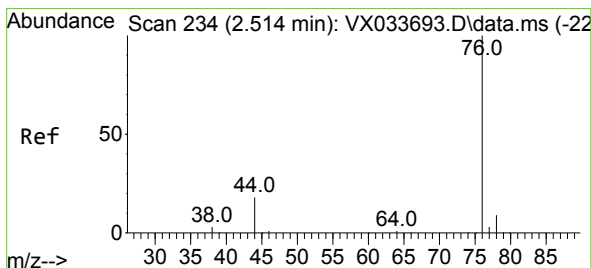
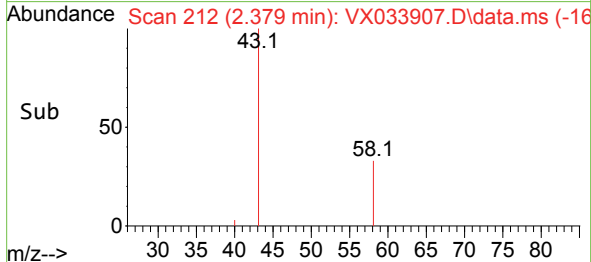
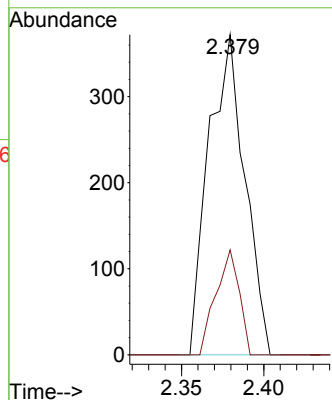
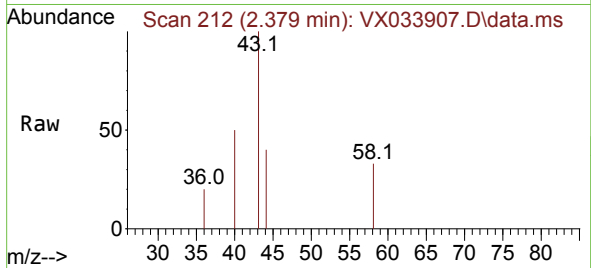




#16
Acetone
Concen: Below Cal
RT: 2.379 min Scan# 215
Delta R.T. -0.019 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

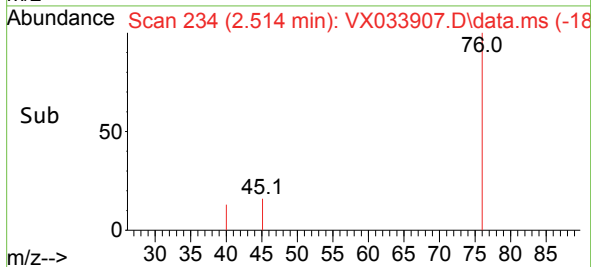
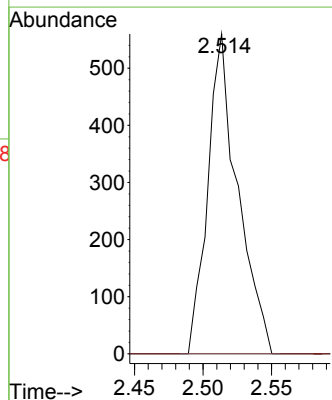
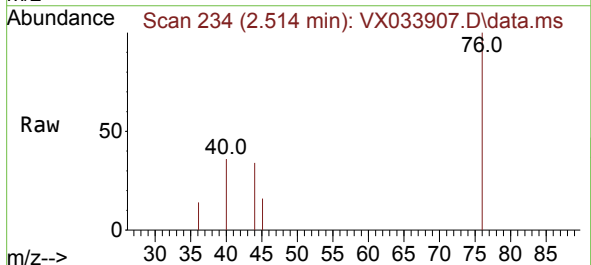
Instrument :
MSVOA_X
ClientSampleId :
LEA-13I

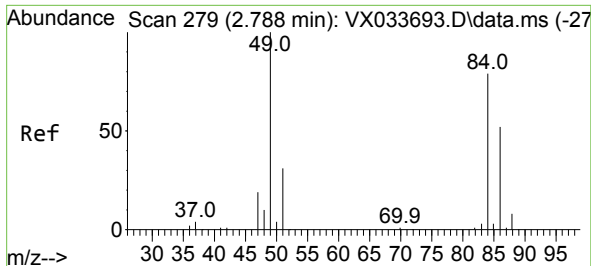
Tgt Ion: 43 Resp: 568
Ion Ratio Lower Upper
43 100
58 32.8 22.6 33.8



#17
Carbon Disulfide
Concen: 2.078 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

Tgt Ion: 76 Resp: 854
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

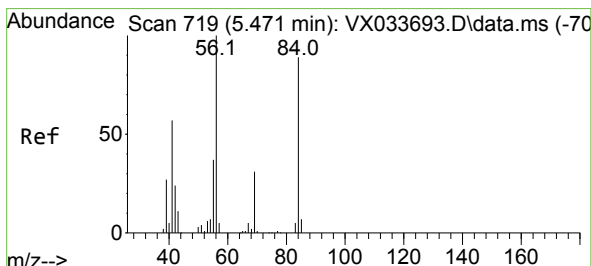
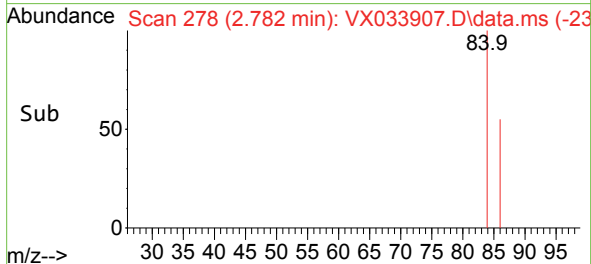
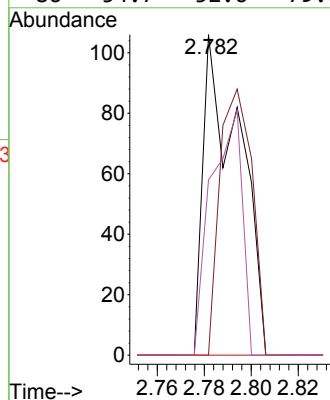
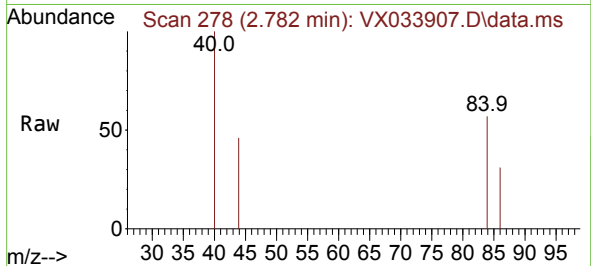




#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

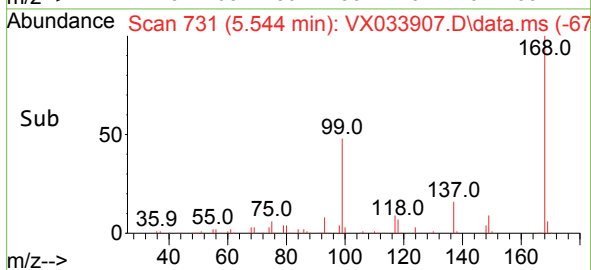
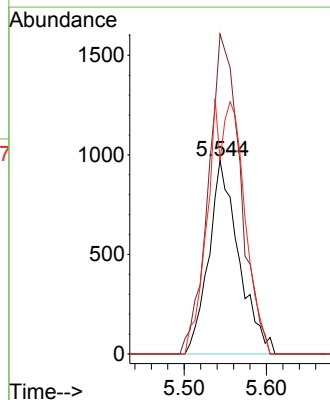
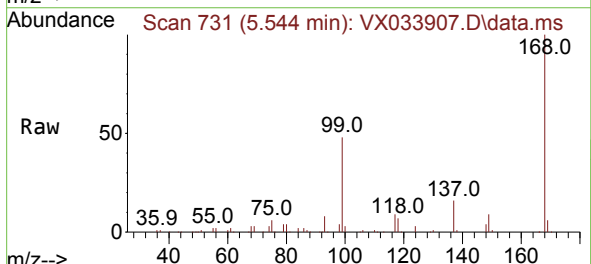
Instrument :
MSVOA_X
ClientSampleId :
LEA-13I

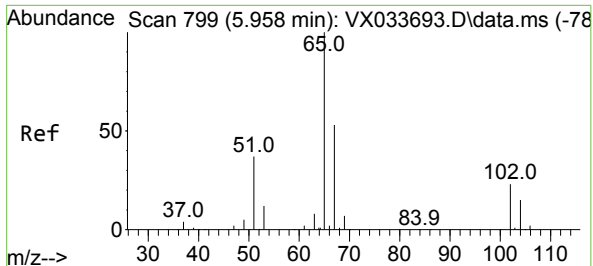
Tgt Ion:	84	Resp:	112
Ion	Ratio	Lower	Upper
84	100		
49	0.0	101.1	151.7#
51	0.0	31.0	46.6#
86	54.7	52.6	79.0



#31
Cyclohexane
Concen: 1.019 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

Tgt Ion:	56	Resp:	2466
Ion	Ratio	Lower	Upper
56	100		
69	165.3	24.6	37.0#
84	100.2	71.0	106.6





#33

1,2-Dichloroethane-d4

Concen: 44.491 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033907.D

Acq: 26 Jan 2023 13:41

Instrument :

MSVOA_X

ClientSampleId :

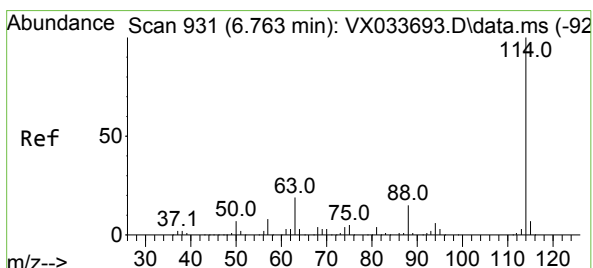
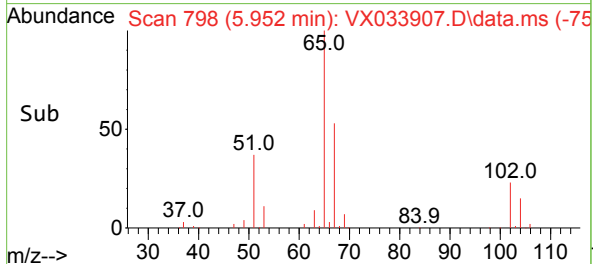
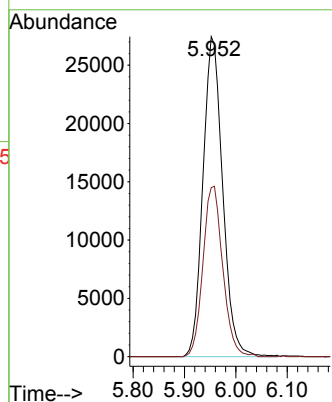
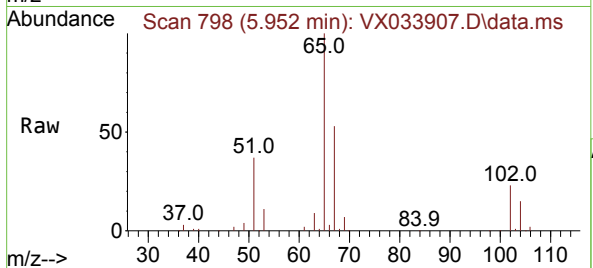
LEA-13I

Tgt Ion: 65 Resp: 73141

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033907.D

Acq: 26 Jan 2023 13:41

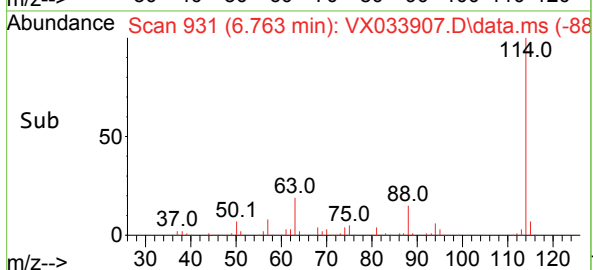
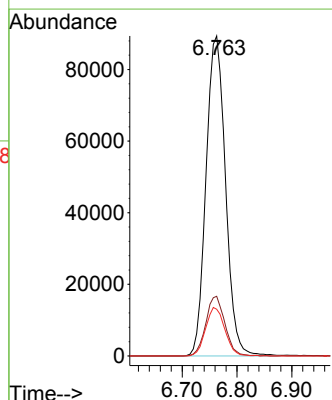
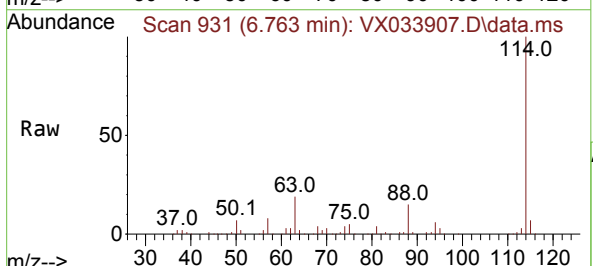
Tgt Ion:114 Resp: 220107

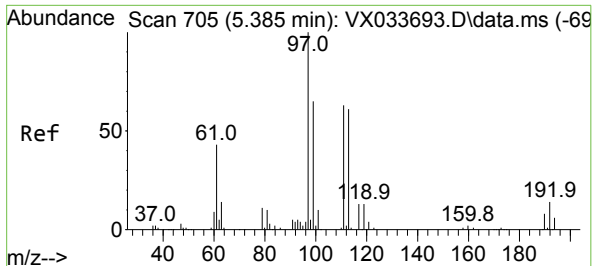
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.4

88 14.6 0.0 30.6

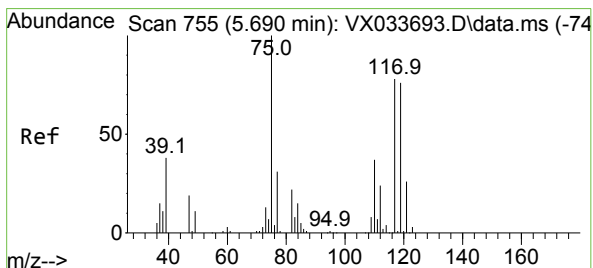
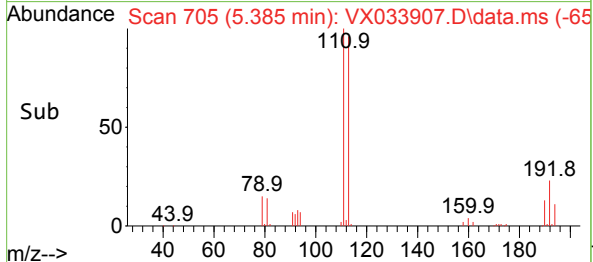
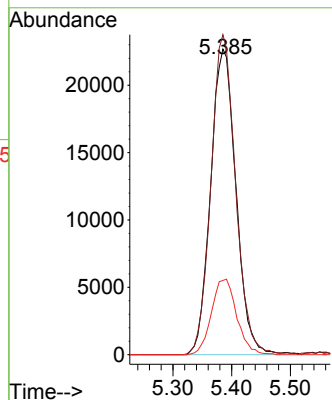
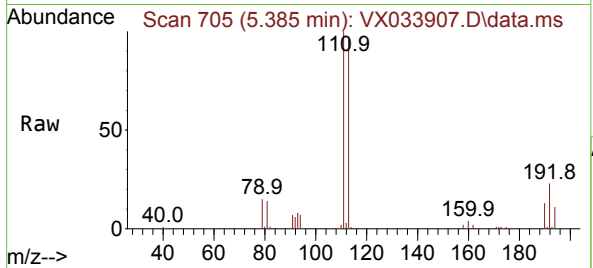




#35
Dibromofluoromethane
Concen: 49.662 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

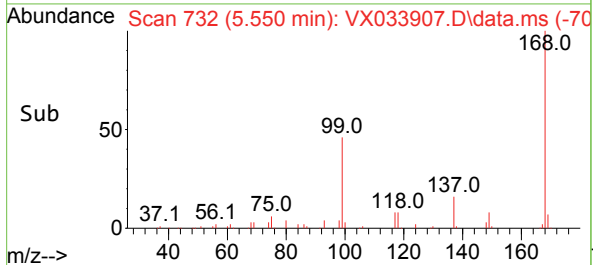
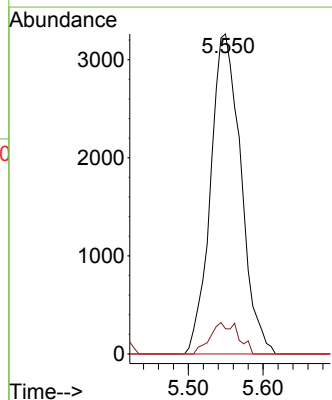
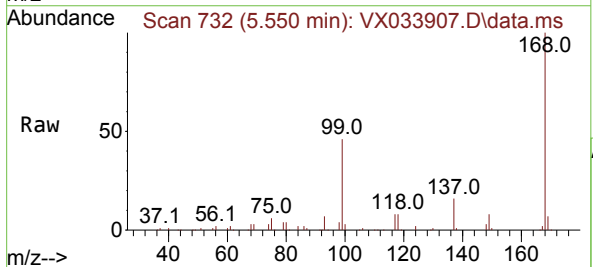
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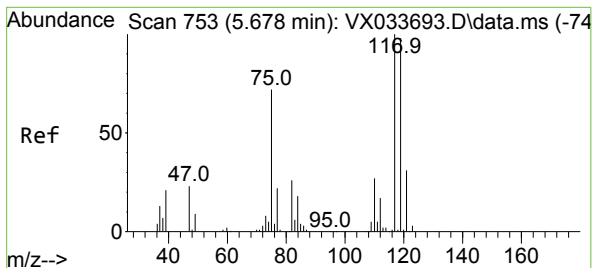
Tgt Ion:113 Resp: 67875
Ion Ratio Lower Upper
113 100
111 102.0 83.0 124.6
192 24.7 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.616 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

Tgt Ion: 75 Resp: 9207
Ion Ratio Lower Upper
75 100
110 9.0 18.8 56.4#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.304 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX033907.D

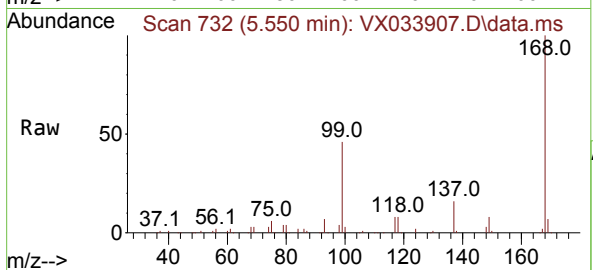
Acq: 26 Jan 2023 13:41

Instrument :

MSVOA_X

ClientSampleId :

LEA-13I



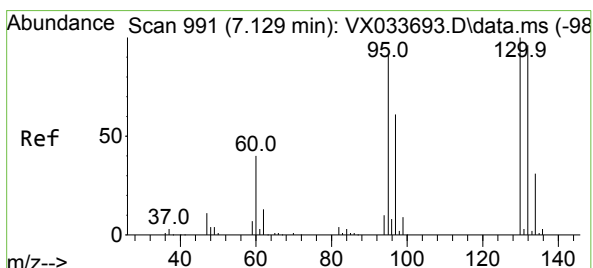
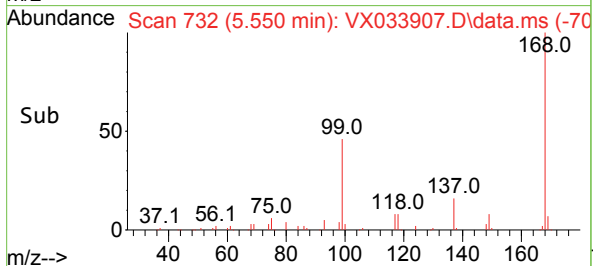
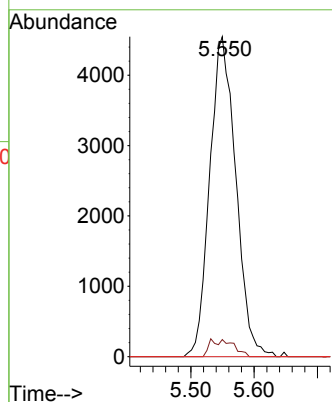
Tgt Ion:117 Resp: 13023

Ion Ratio Lower Upper

117 100

119 5.4 78.0 117.0#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 0.261 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX033907.D

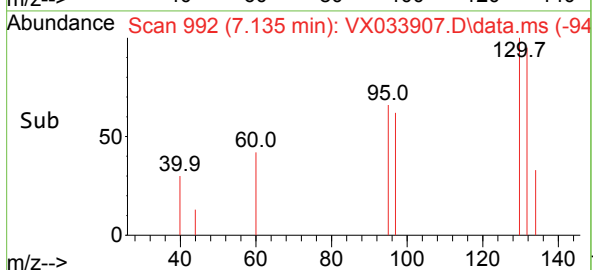
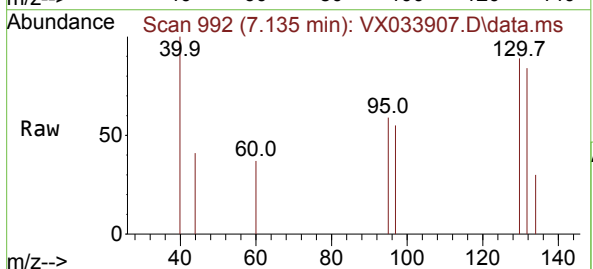
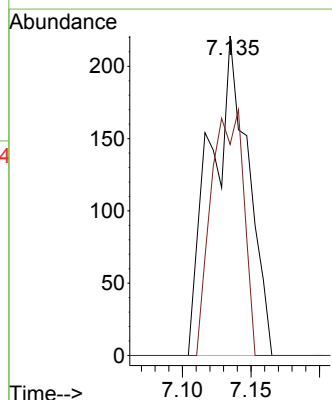
Acq: 26 Jan 2023 13:41

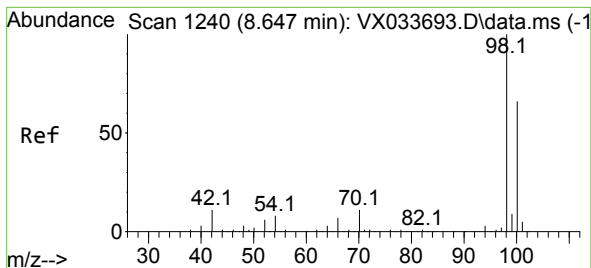
Tgt Ion:130 Resp: 424

Ion Ratio Lower Upper

130 100

95 66.1 0.0 182.6





#50

Toluene-d8

Concen: 50.234 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033907.D

Acq: 26 Jan 2023 13:41

Instrument :

MSVOA_X

ClientSampleId :

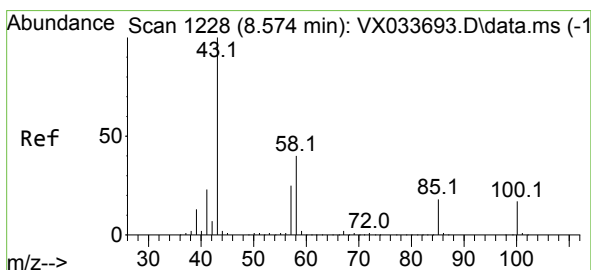
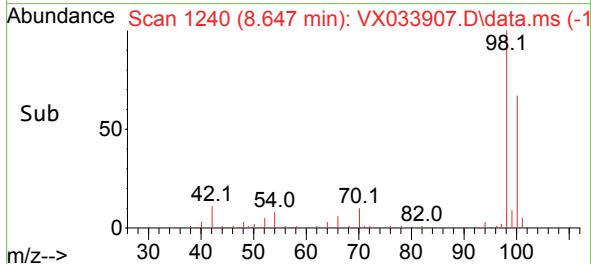
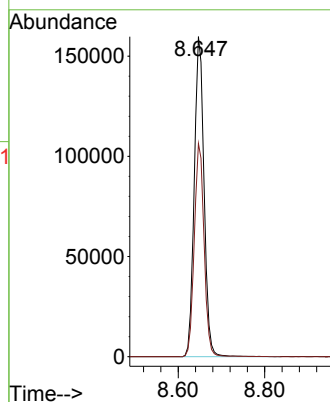
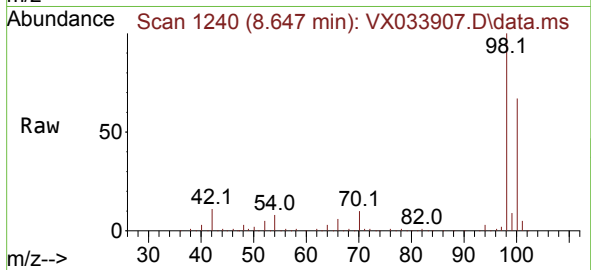
LEA-13I

Tgt Ion: 98 Resp: 250153

Ion Ratio Lower Upper

98 100

100 66.7 53.6 80.4



#51

4-Methyl-2-Pentanone

Concen: 0.551 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX033907.D

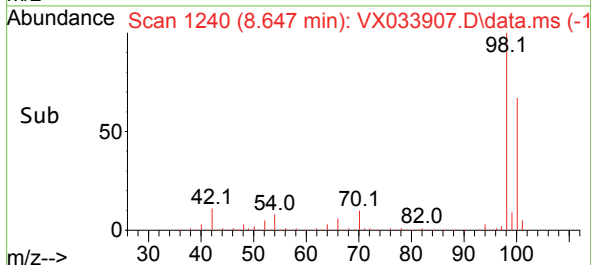
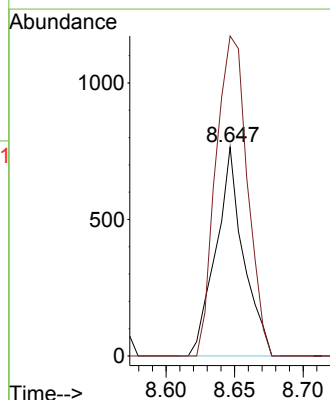
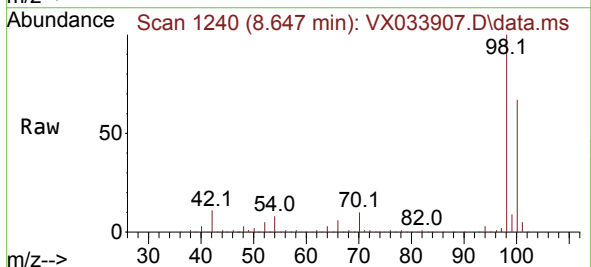
Acq: 26 Jan 2023 13:41

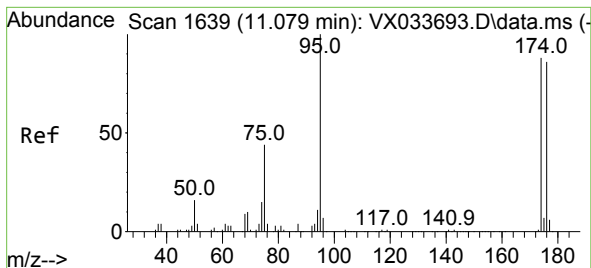
Tgt Ion: 43 Resp: 1065

Ion Ratio Lower Upper

43 100

58 176.1 31.2 46.8#

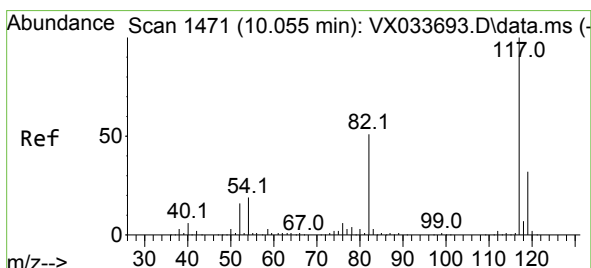
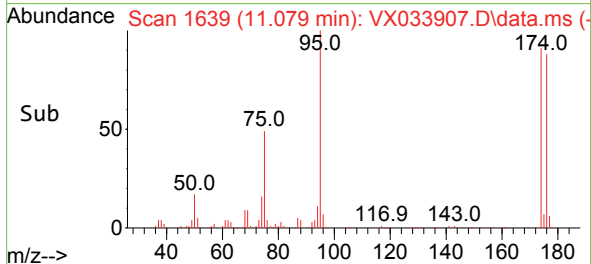
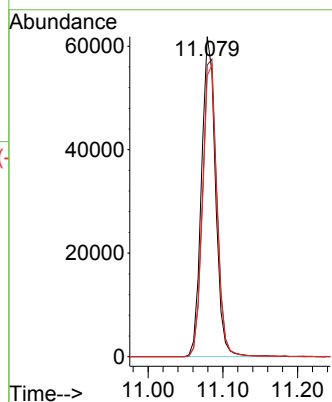
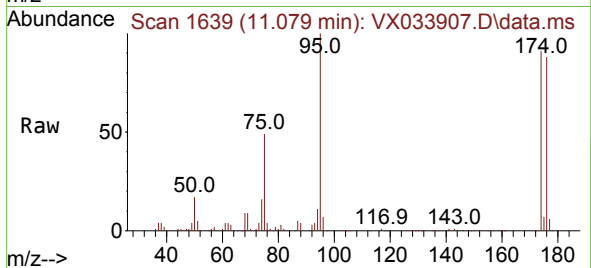




#62
4-Bromofluorobenzene
Concen: 43.603 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

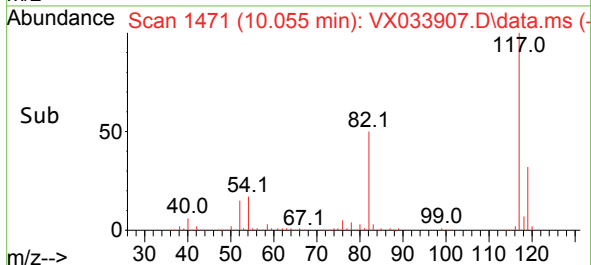
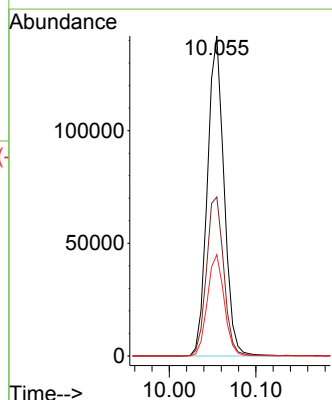
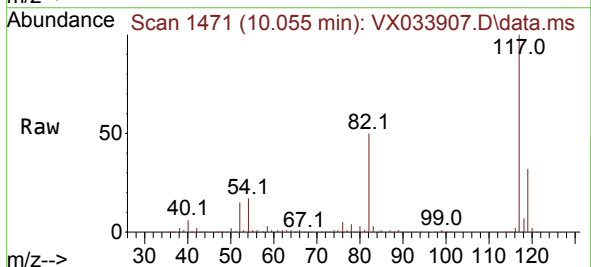
Instrument :
MSVOA_X
ClientSampleId :
LEA-13I

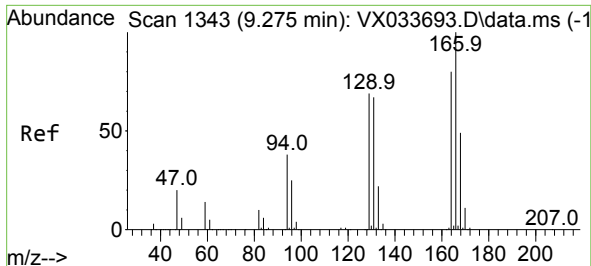
Tgt Ion: 95 Resp: 80617
Ion Ratio Lower Upper
95 100
174 96.1 0.0 184.4
176 92.5 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

Tgt Ion: 117 Resp: 189257
Ion Ratio Lower Upper
117 100
82 49.7 40.6 60.8
119 31.7 25.6 38.4

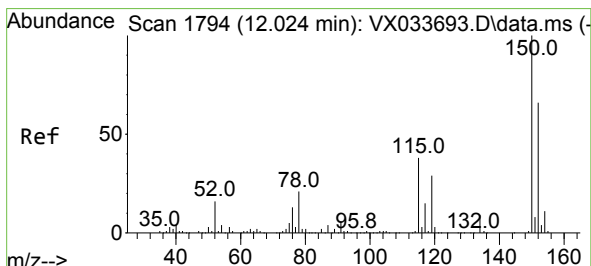
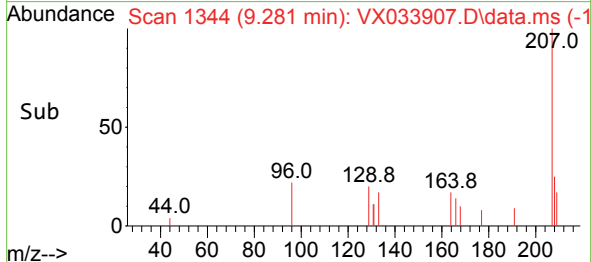
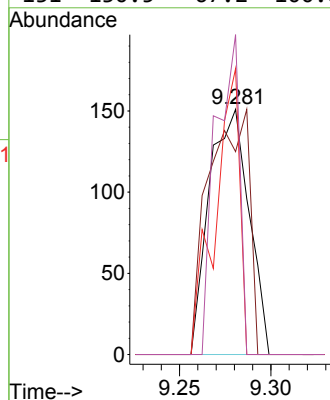
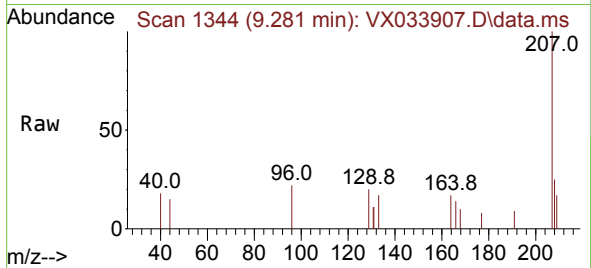




#64
Tetrachloroethene
Concen: Below Cal
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

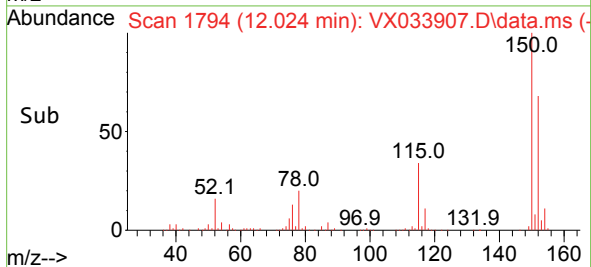
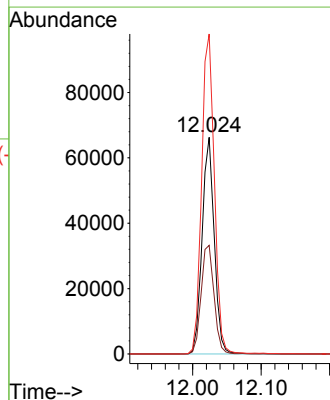
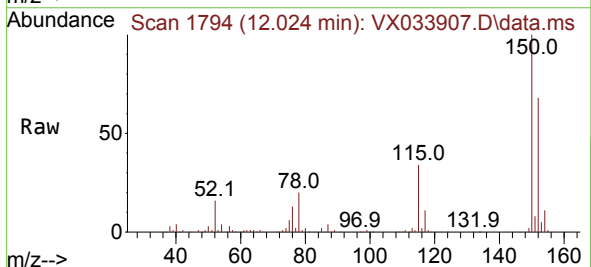
Instrument :
MSVOA_X
ClientSampleId :
LEA-13I

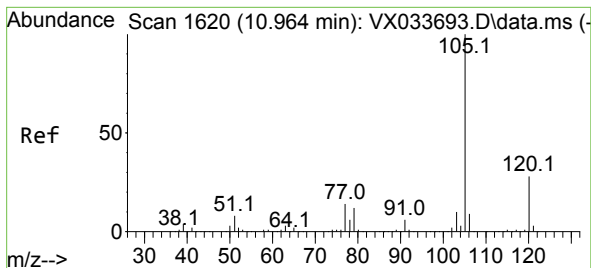
Tgt Ion:164 Resp: 228
Ion Ratio Lower Upper
164 100
166 82.8 100.2 150.2#
129 116.6 69.2 103.8#
131 130.5 67.2 100.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

Tgt Ion:152 Resp: 82028
Ion Ratio Lower Upper
152 100
115 53.3 38.7 116.1
150 154.2 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 10.963 min Scan# 1639

Delta R.T. -0.001 min

Lab File: VX033907.D

Acq: 26 Jan 2023 13:41

Instrument :

MSVOA_X

ClientSampleId :

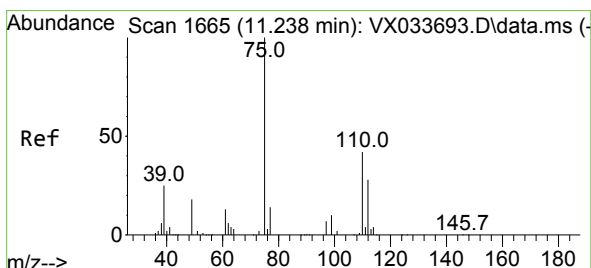
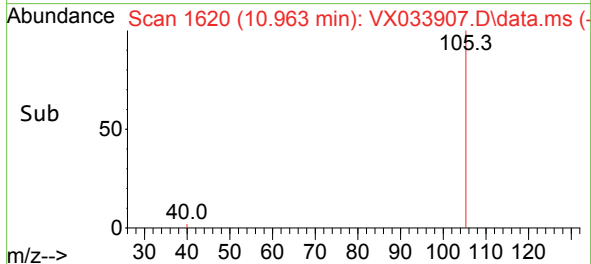
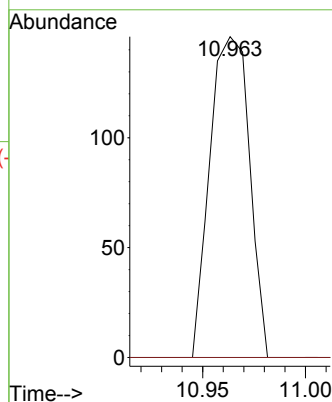
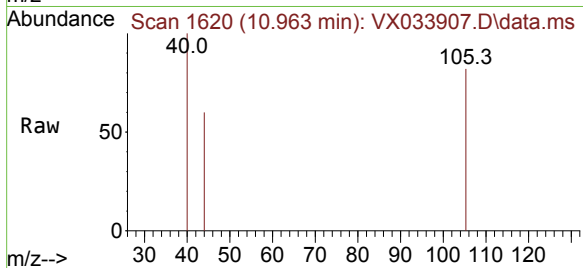
LEA-13I

Tgt Ion:105 Resp: 196

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#76

1,2,3-Trichloropropane

Concen: 24.984 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033907.D

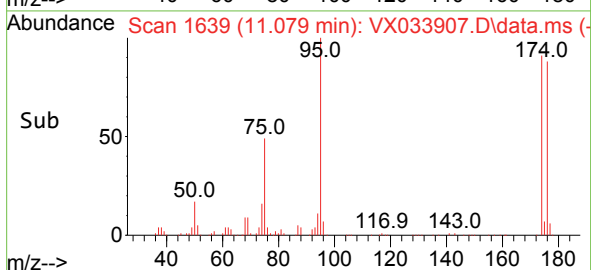
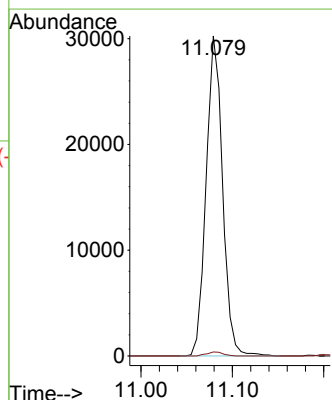
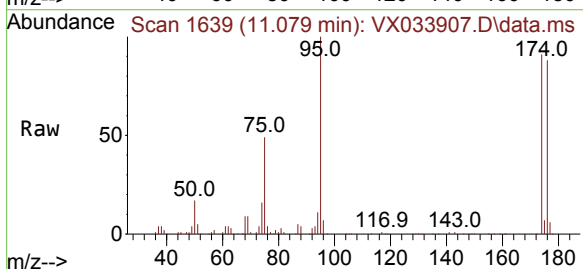
Acq: 26 Jan 2023 13:41

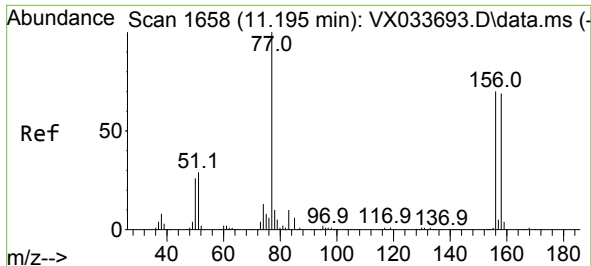
Tgt Ion: 75 Resp: 37654

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#

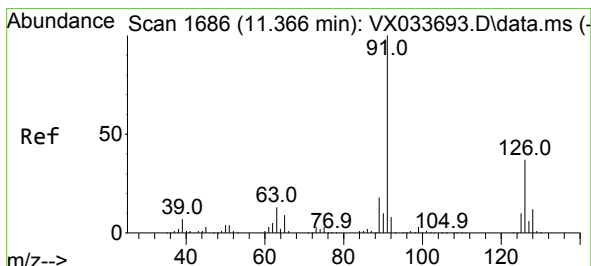
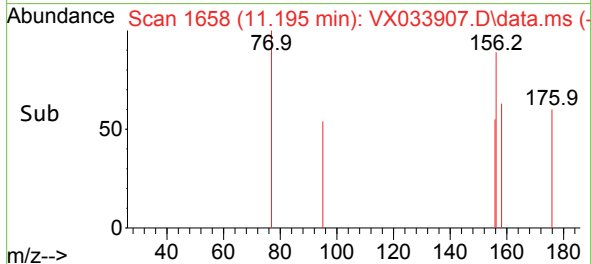
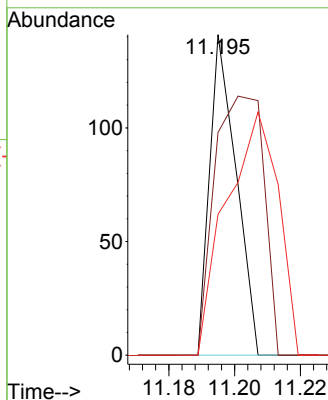
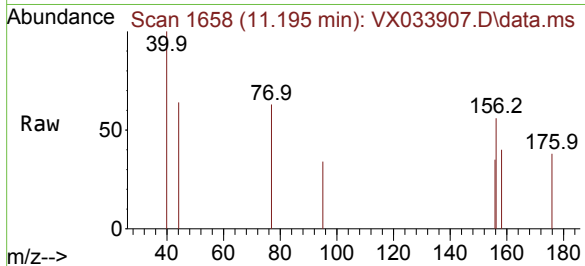




#77
Bromobenzene
Concen: Below Cal
RT: 11.195 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

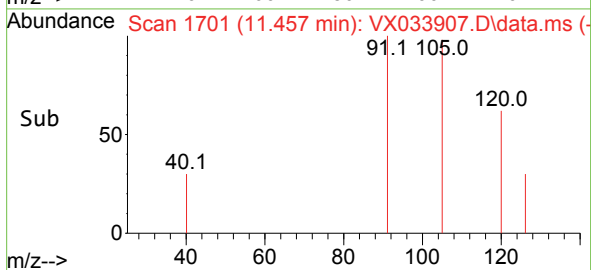
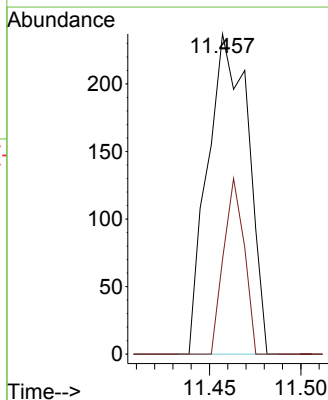
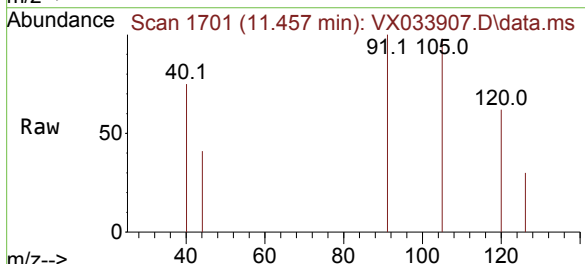
Instrument :
MSVOA_X
ClientSampleId :
LEA-13I

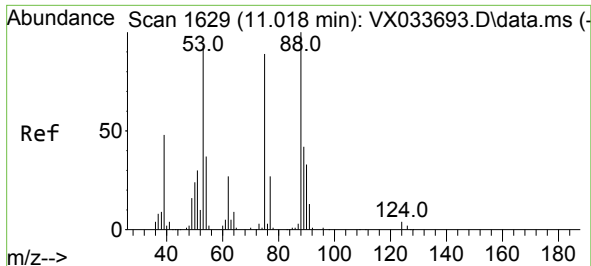
Tgt Ion:156 Resp: 79
Ion Ratio Lower Upper
156 100
77 150.6 68.1 204.3
158 148.1 48.0 144.2#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 1701
Delta R.T. 0.091 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

Tgt Ion: 91 Resp: 365
Ion Ratio Lower Upper
91 100
126 27.9 18.1 54.1

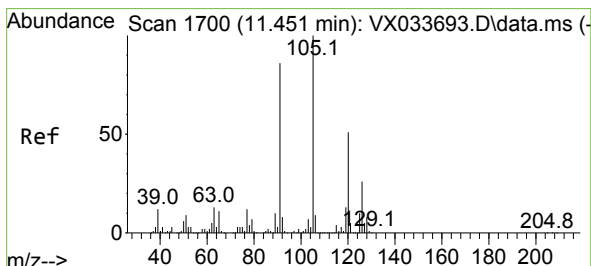
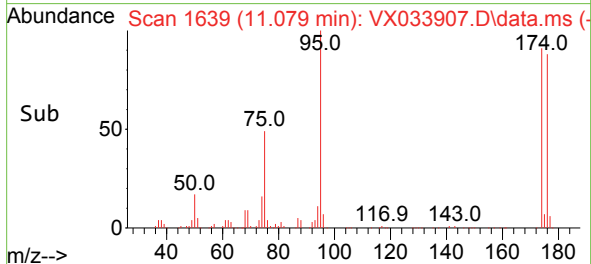
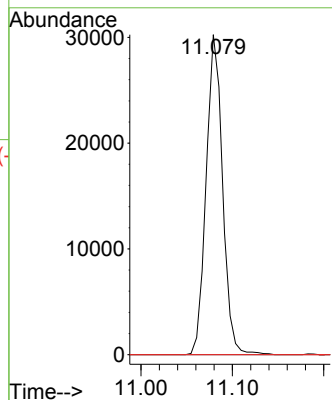
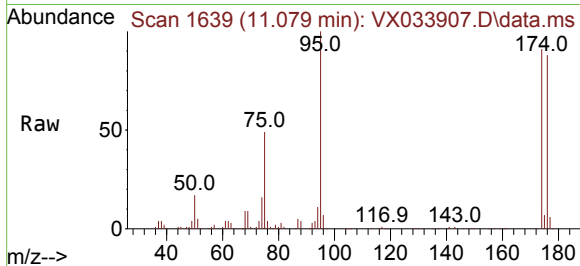




#81
trans-1,4-Dichloro-2-butene
Concen: 77.647 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

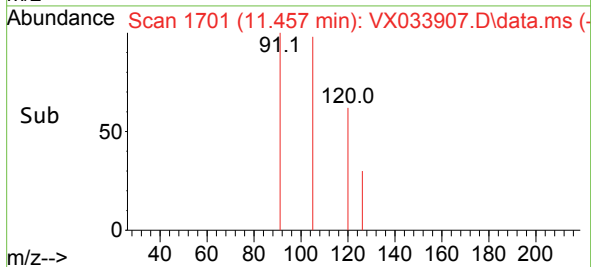
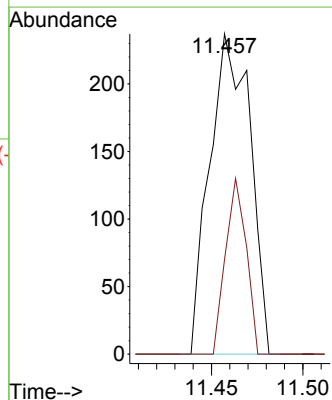
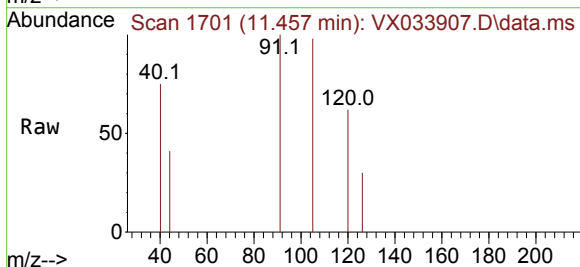
Instrument :
MSVOA_X
ClientSampleId :
LEA-13I

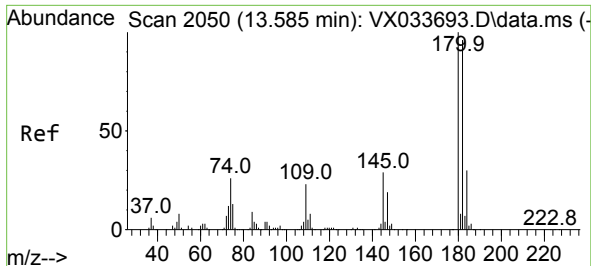
Tgt Ion: 75 Resp: 37654
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

Tgt Ion: 91 Resp: 365
Ion Ratio Lower Upper
91 100
126 27.9 15.8 47.4

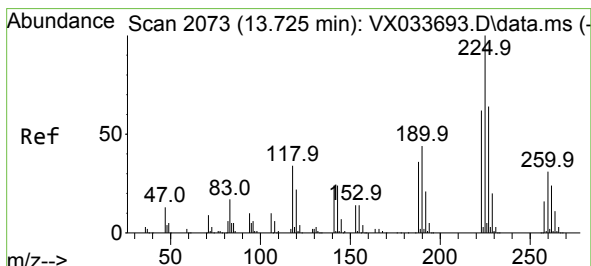
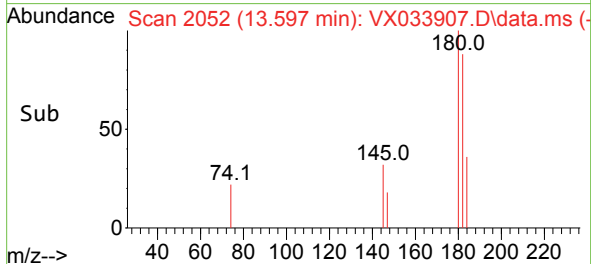
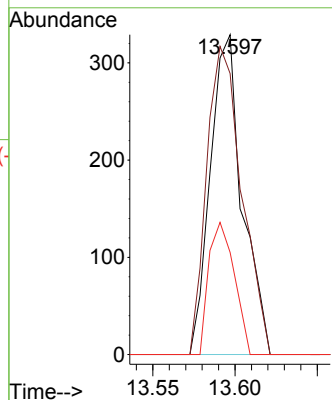
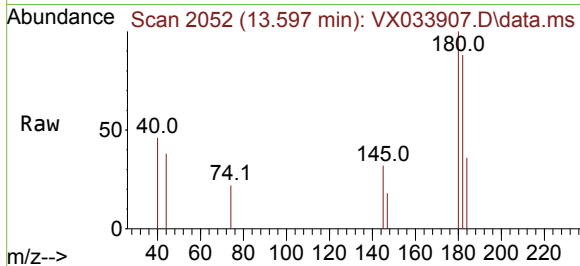




#93
1,2,4-Trichlorobenzene
Concen: 0.246 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

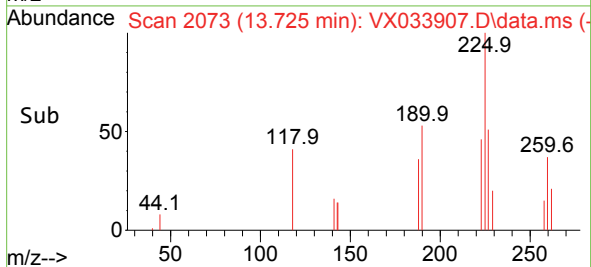
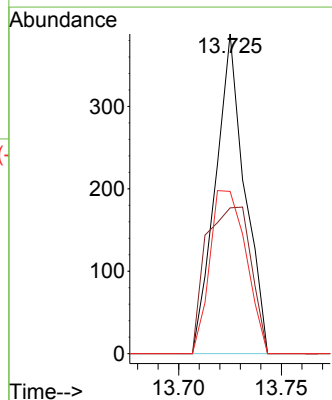
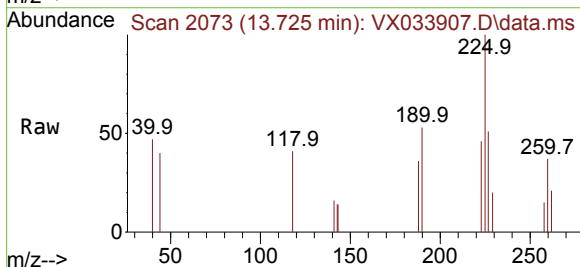
Instrument :
MSVOA_X
ClientSampleId :
LEA-13I

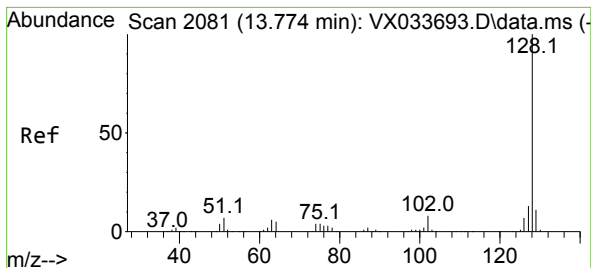
Tgt Ion:180 Resp: 444
Ion Ratio Lower Upper
180 100
182 106.1 47.9 143.6
145 33.1 14.1 42.2



#94
Hexachlorobutadiene
Concen: 0.435 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX033907.D
Acq: 26 Jan 2023 13:41

Tgt Ion:225 Resp: 384
Ion Ratio Lower Upper
225 100
223 70.6 31.3 93.9
227 63.0 32.3 96.9





#95

Naphthalene

Concen: 0.252 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX033907.D

Acq: 26 Jan 2023 13:41

Instrument :

MSVOA_X

ClientSampleId :

LEA-13I

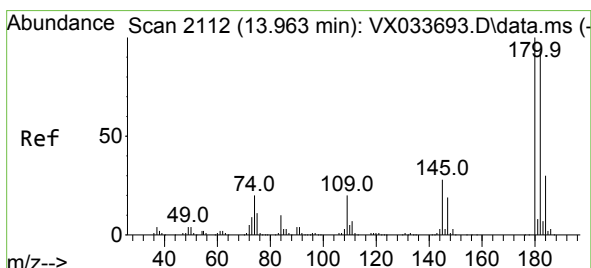
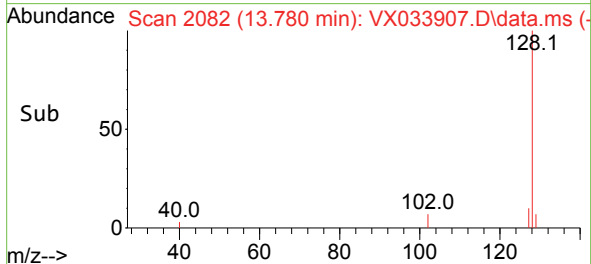
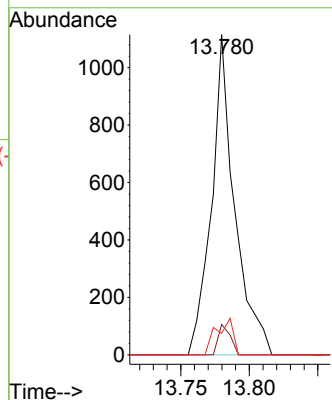
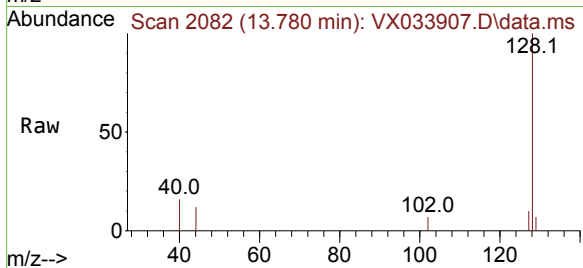
Tgt Ion:128 Resp: 1306

Ion Ratio Lower Upper

128 100

127 4.9 10.3 15.5#

129 8.3 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.220 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX033907.D

Acq: 26 Jan 2023 13:41

Tgt Ion:180 Resp: 397

Ion Ratio Lower Upper

180 100

182 103.8 47.6 142.9

145 37.0 15.1 45.3

