

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031523\
 Data File : VX034504.D
 Acq On : 15 Mar 2023 13:33
 Operator : JC/MD
 Sample : VX0315MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0315MBL01

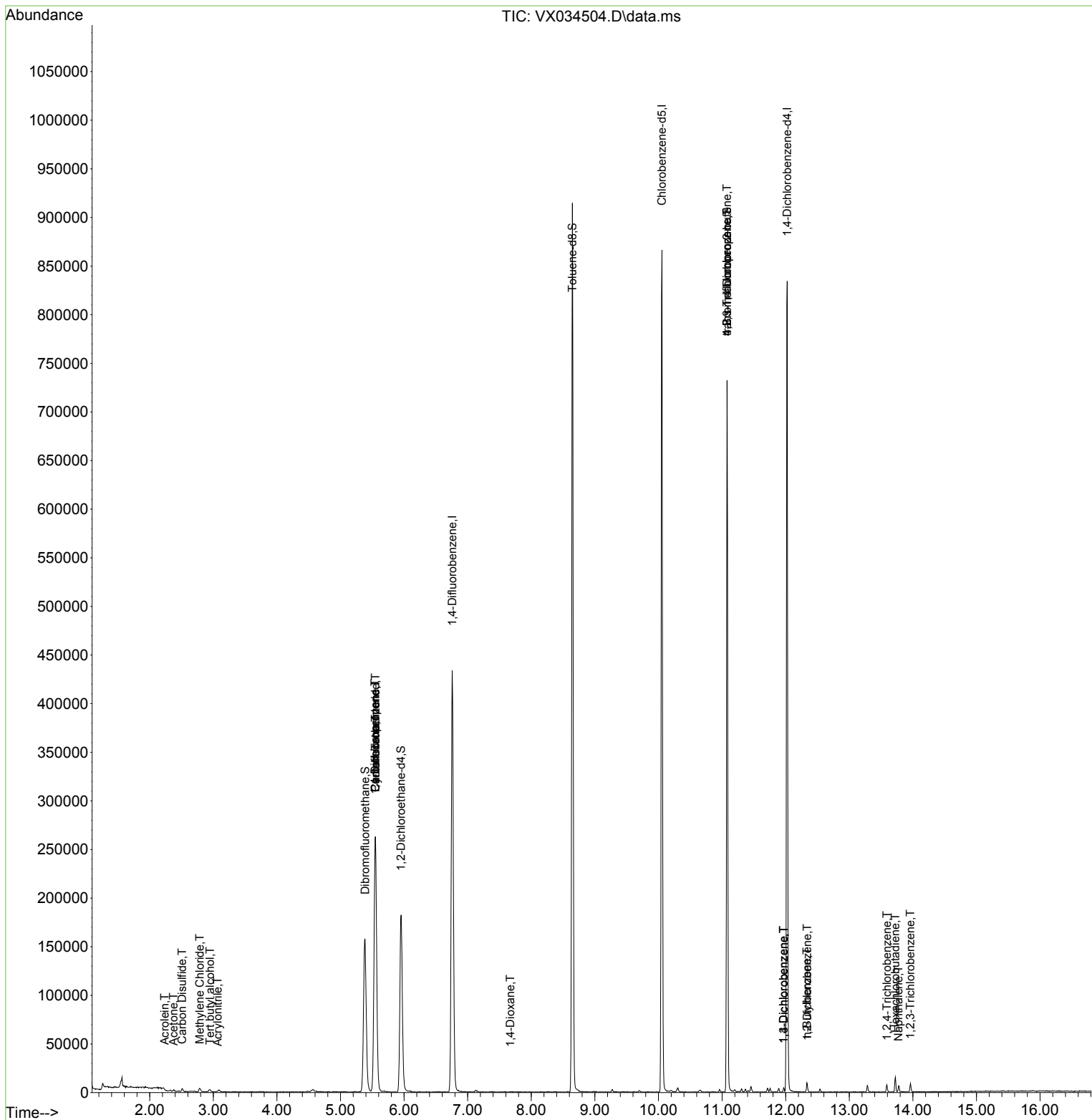
Quant Time: Mar 16 05:18:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

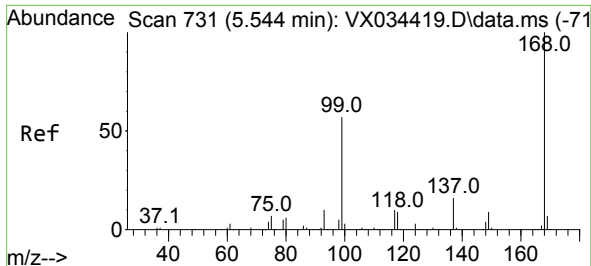
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	249937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	429397	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	383527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	173237	47.644	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.280%		
35) Dibromofluoromethane	5.385	113	138489	48.848	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.700%		
50) Toluene-d8	8.647	98	516726	48.824	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.640%		
62) 4-Bromofluorobenzene	11.079	95	183388	42.898	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.800%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	755	Below Cal	#	76
11) Tert butyl alcohol	2.947	59	1632	2.155	ug/l #	73
13) Acrolein	2.233	56	466	0.778	ug/l	86
15) Acrylonitrile	3.069	53	742	0.454	ug/l	92
16) Acetone	2.374	43	1473	0.860	ug/l #	88
17) Carbon Disulfide	2.508	76	3687	0.479	ug/l #	91
20) Methylene Chloride	2.788	84	1619	0.487	ug/l	89
31) Cyclohexane	5.550	56	6370	1.249	ug/l #	35
36) 1,1-Dichloropropene	5.544	75	20556	4.721	ug/l #	50
38) Carbon Tetrachloride	5.550	117	25818	5.960	ug/l #	15
49) 1,4-Dioxane	7.671	88	331	4.066	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	97365	24.563	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	97365	66.451	ug/l #	8
87) 1,3-Dichlorobenzene	11.969	146	1513	0.241	ug/l	93
88) 1,4-Dichlorobenzene	11.969	146	1513	0.239	ug/l	93
89) n-Butylbenzene	12.335	91	2429	0.236	ug/l	95
91) 1,2-Dichlorobenzene	12.341	146	1401	0.231	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	2117	0.558	ug/l	94
94) Hexachlorobutadiene	13.725	225	2054	1.345	ug/l	96
95) Naphthalene	13.774	128	4944	0.389	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	2052	0.554	ug/l	94

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

Quant Time: Mar 16 05:18:03 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

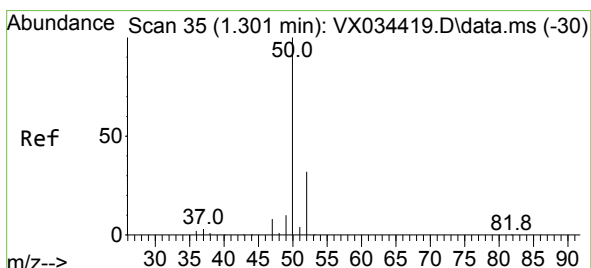
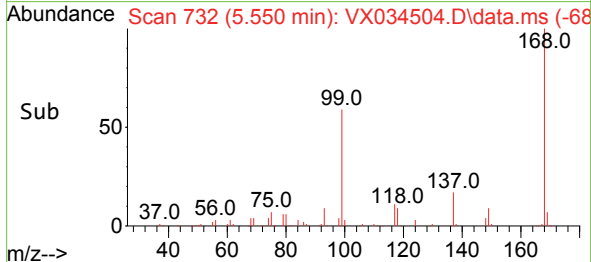
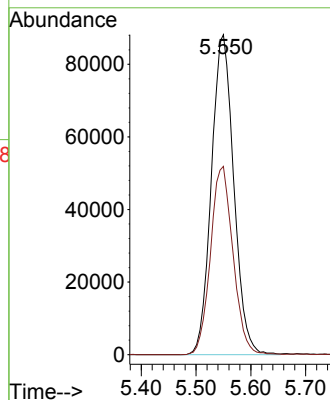
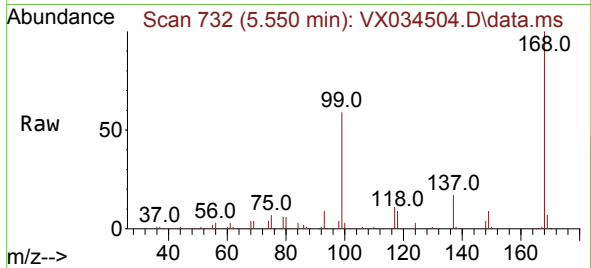




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

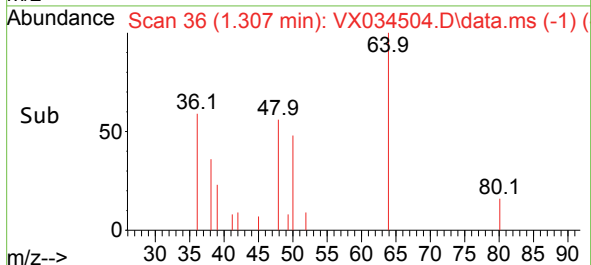
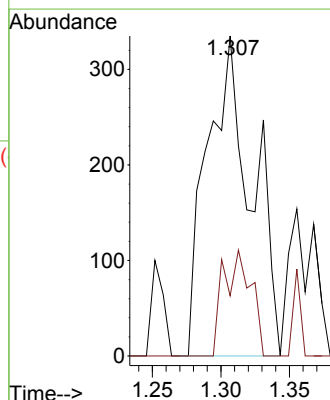
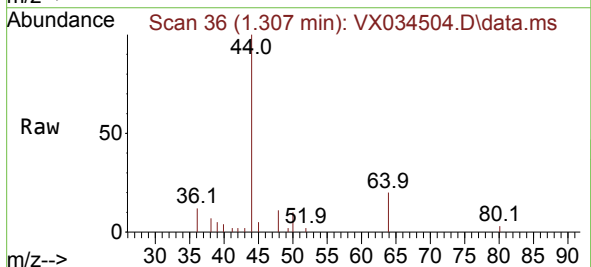
Instrument :
MSVOA_X
ClientSampleId :
VX0315MBL01

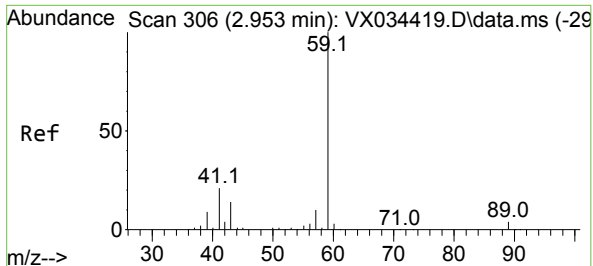
Tgt Ion:168 Resp: 249937
Ion Ratio Lower Upper
168 100
99 58.9 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

Tgt Ion: 50 Resp: 755
Ion Ratio Lower Upper
50 100
52 18.8 25.9 38.9#

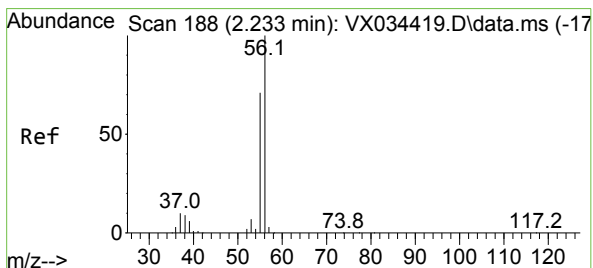
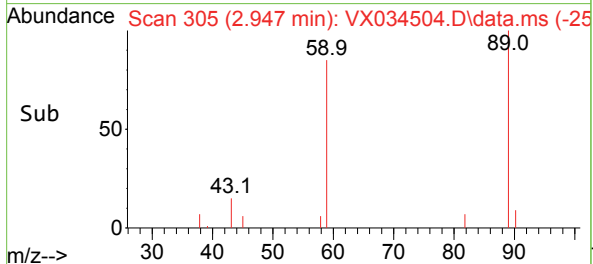
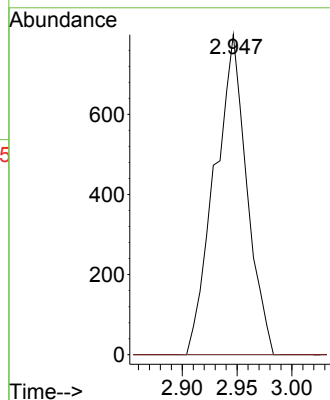
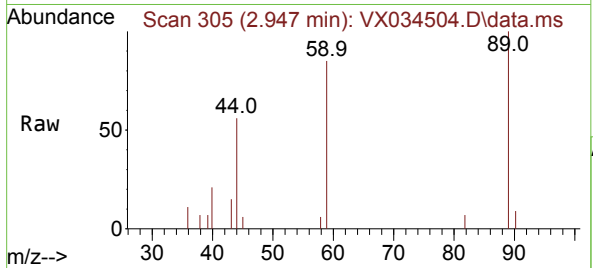




#11
Tert butyl alcohol
Concen: 2.155 ug/l
RT: 2.947 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

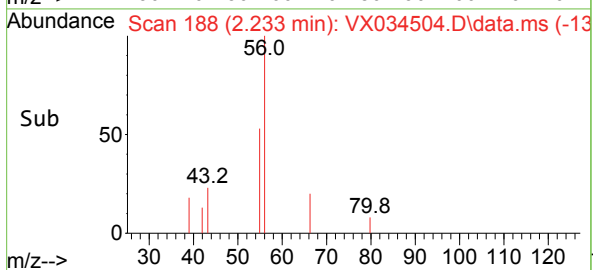
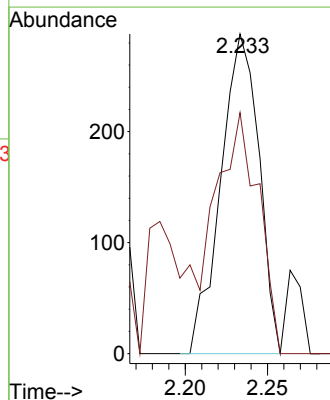
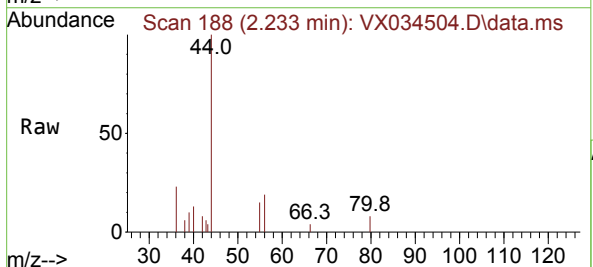
Instrument :
MSVOA_X
ClientSampleId :
VX0315MBL01

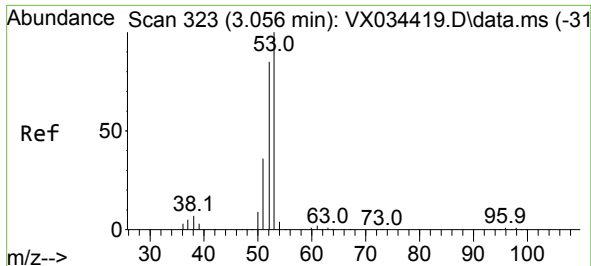
Tgt Ion: 59 Resp: 1632
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 0.778 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

Tgt Ion: 56 Resp: 466
Ion Ratio Lower Upper
56 100
55 82.2 56.6 85.0

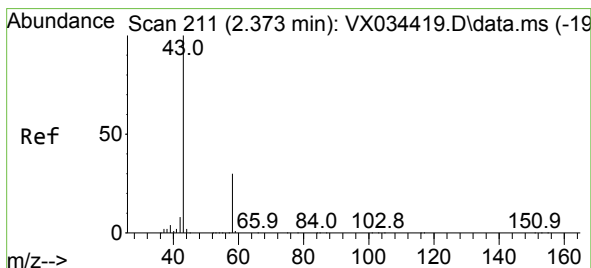
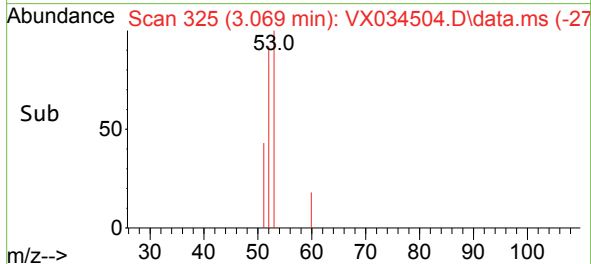
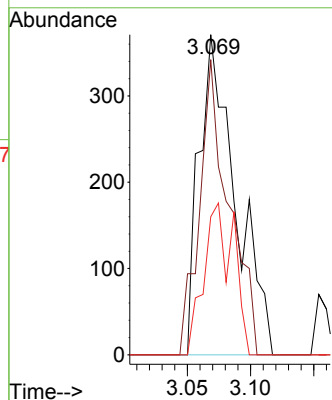
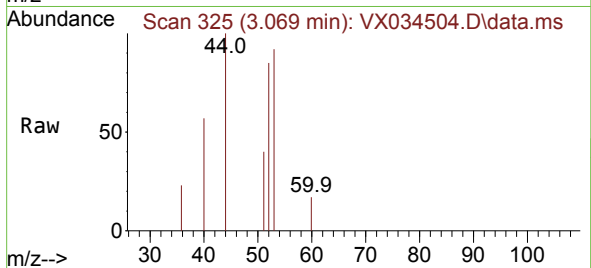




#15
Acrylonitrile
Concen: 0.454 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.013 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

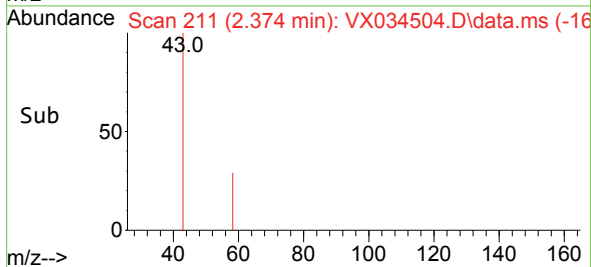
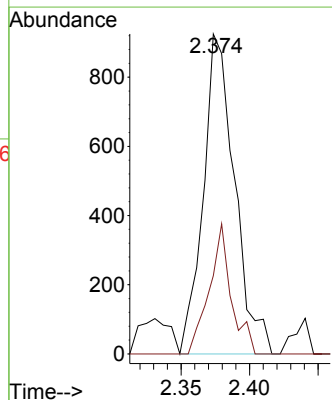
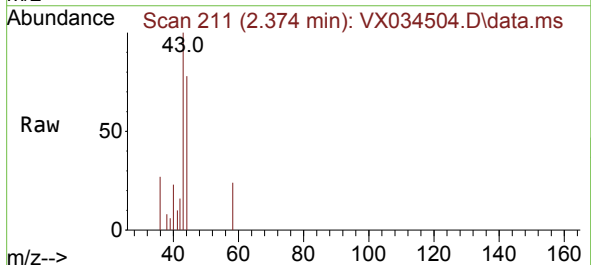
Instrument :
MSVOA_X
ClientSampleId :
VX0315MBL01

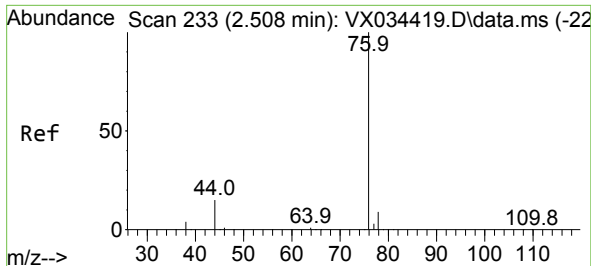
Tgt Ion: 53 Resp: 742
Ion Ratio Lower Upper
53 100
52 74.9 66.2 99.2
51 38.4 28.3 42.5



#16
Acetone
Concen: 0.860 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

Tgt Ion: 43 Resp: 1473
Ion Ratio Lower Upper
43 100
58 24.4 24.7 37.1#





#17

Carbon Disulfide

Concen: 0.479 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX034504.D

Acq: 15 Mar 2023 13:33

Instrument :

MSVOA_X

ClientSampleId :

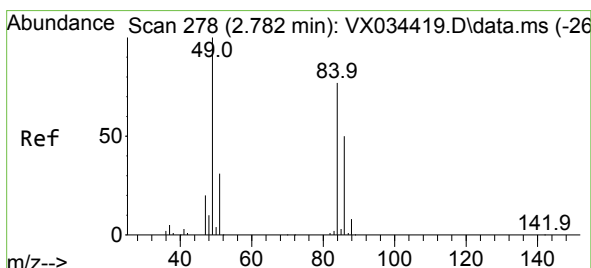
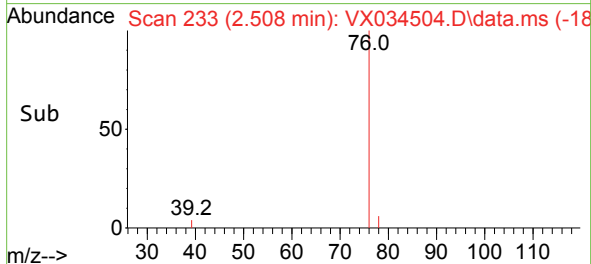
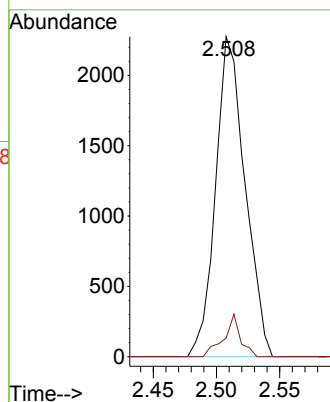
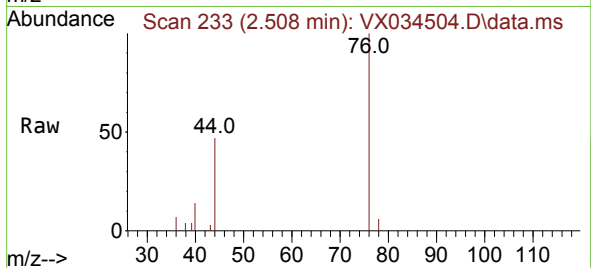
VX0315MBL01

Tgt Ion: 76 Resp: 3687

Ion Ratio Lower Upper

76 100

78 5.8 7.2 10.8#



#20

Methylene Chloride

Concen: 0.487 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX034504.D

Acq: 15 Mar 2023 13:33

Tgt Ion: 84 Resp: 1619

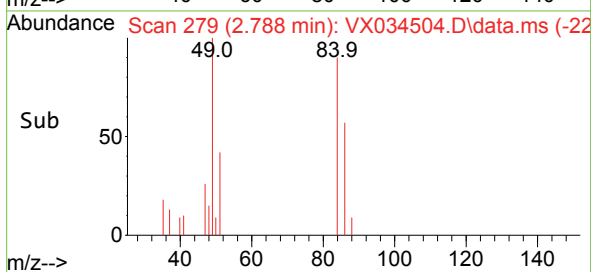
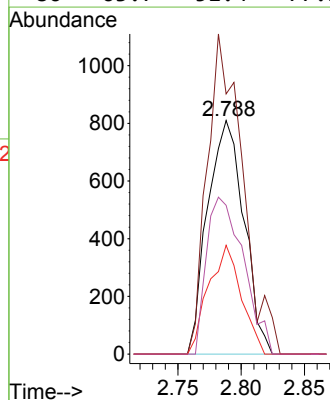
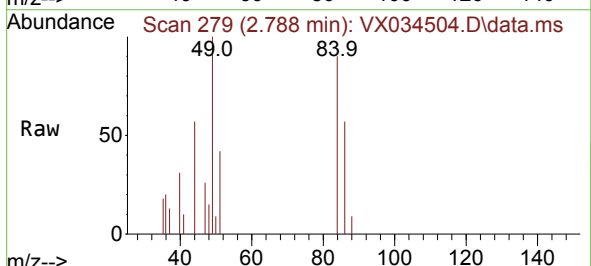
Ion Ratio Lower Upper

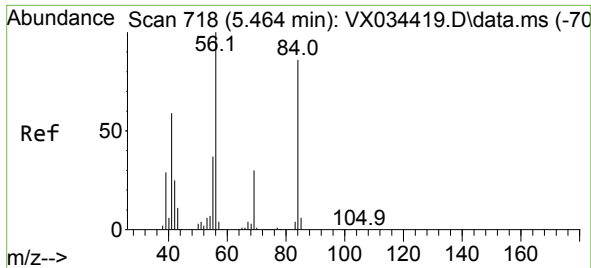
84 100

49 111.4 103.8 155.8

51 46.5 31.8 47.8

86 63.7 51.4 77.2

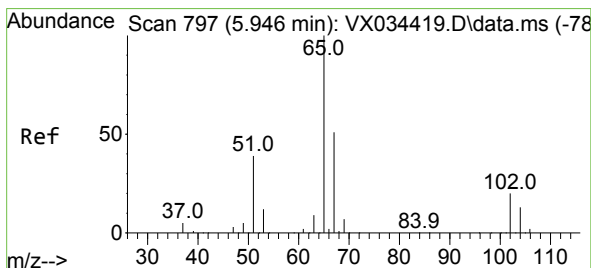
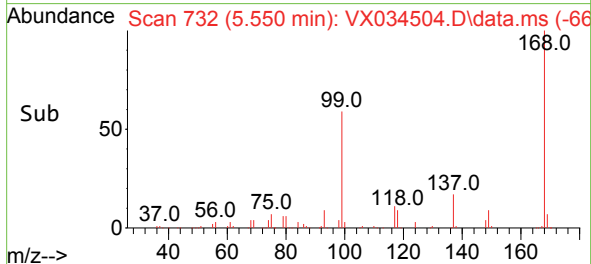
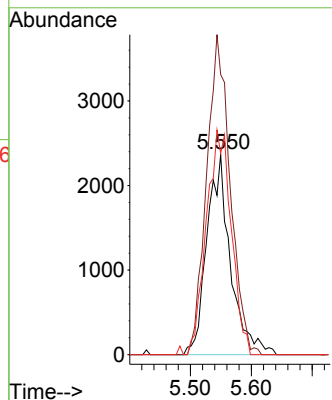
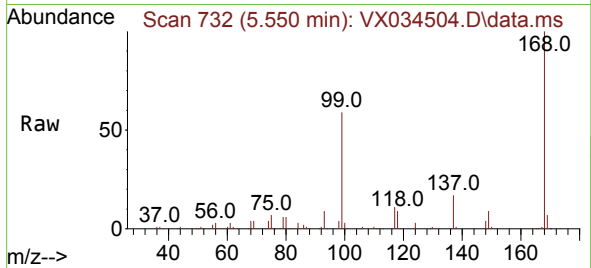




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

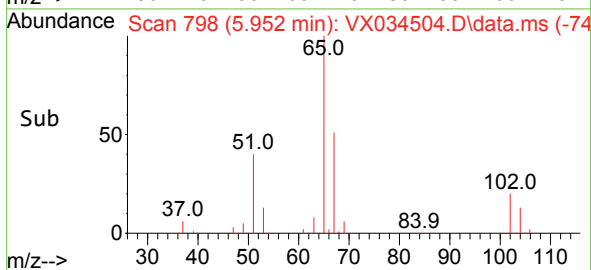
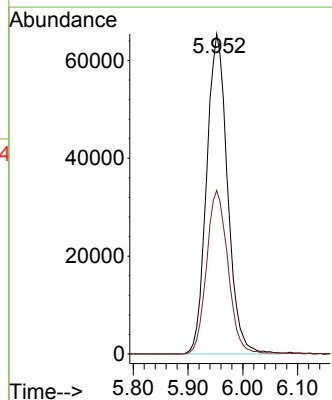
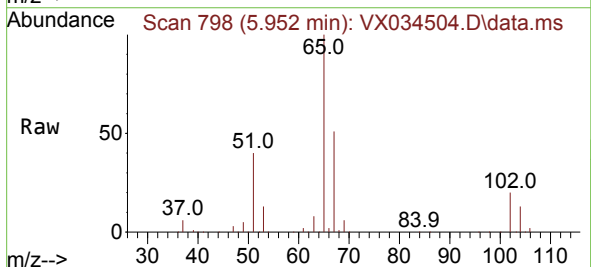
Instrument :
MSVOA_X
ClientSampleId :
VX0315MBL01

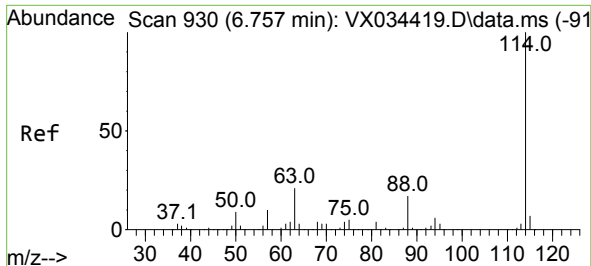
Tgt Ion: 56 Resp: 6370
Ion Ratio Lower Upper
56 100
69 139.7 23.7 35.5#
84 100.4 68.5 102.7



#33
1,2-Dichloroethane-d4
Concen: 47.644 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

Tgt Ion: 65 Resp: 173237
Ion Ratio Lower Upper
65 100
67 52.5 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: VX034504.D

Acq: 15 Mar 2023 13:33

Instrument :

MSVOA_X

ClientSampleId :

VX0315MBL01

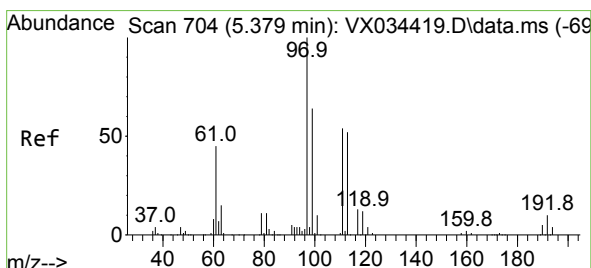
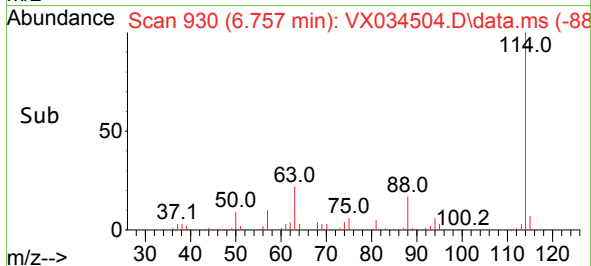
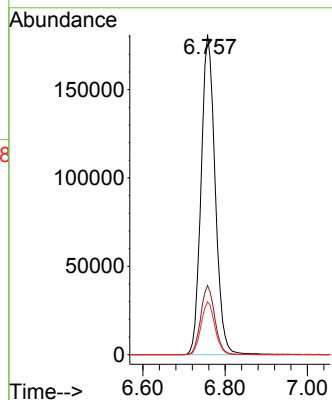
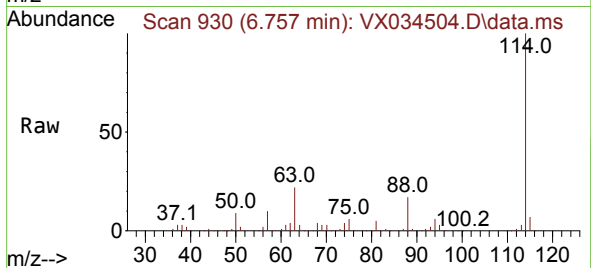
Tgt Ion:114 Resp: 429397

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.2

88 16.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.848 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX034504.D

Acq: 15 Mar 2023 13:33

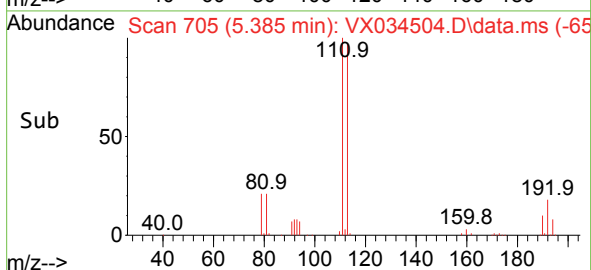
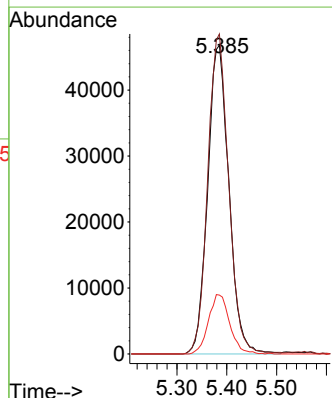
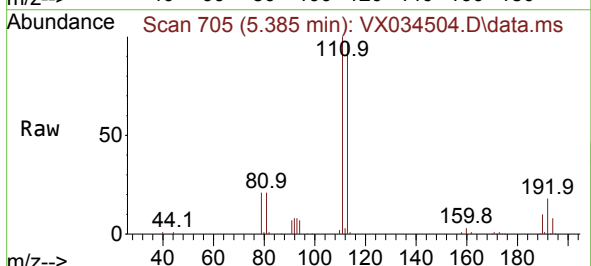
Tgt Ion:113 Resp: 138489

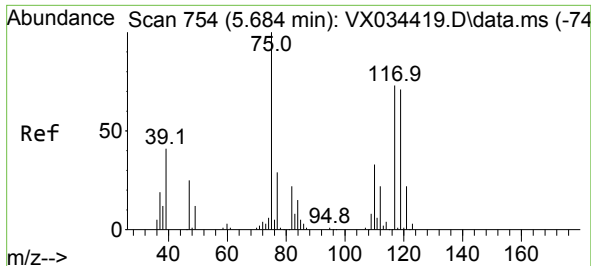
Ion Ratio Lower Upper

113 100

111 102.0 83.7 125.5

192 19.2 15.4 23.2

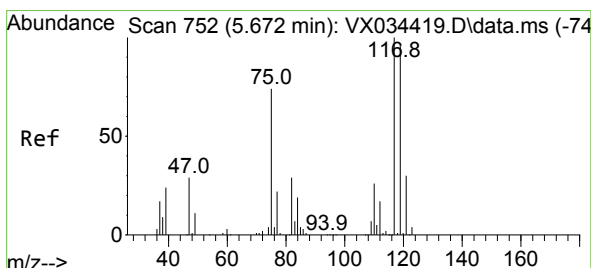
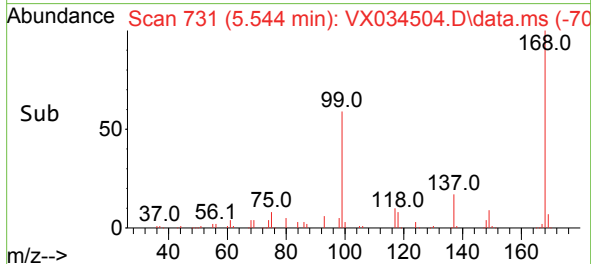
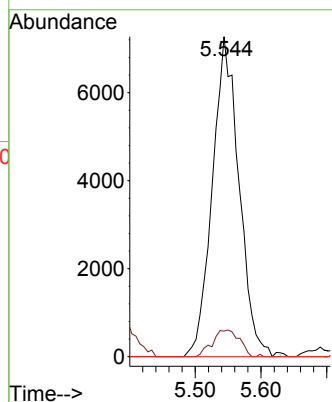
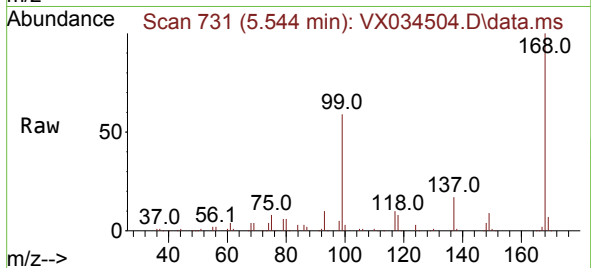




#36
1,1-Dichloropropene
Concen: 4.721 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

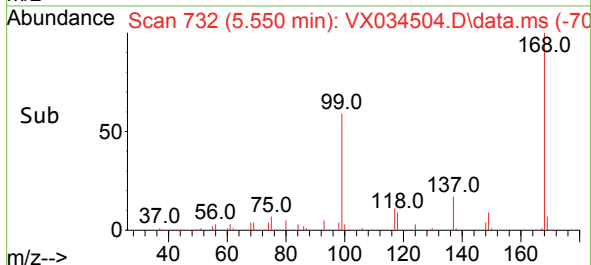
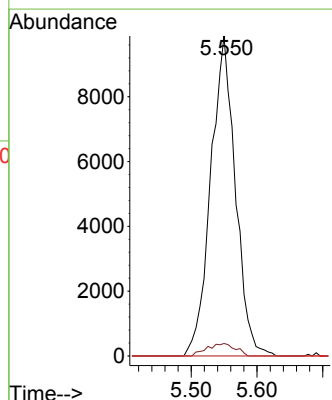
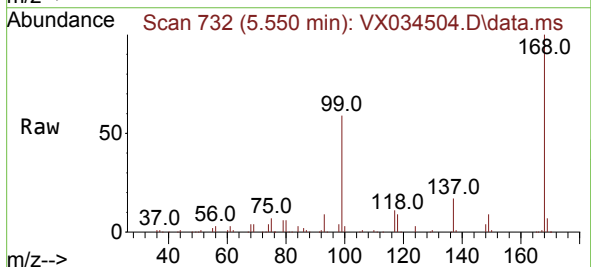
Instrument :
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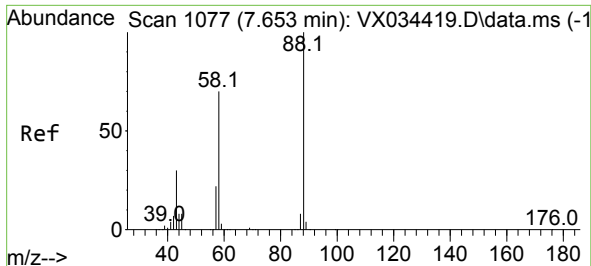
Tgt Ion: 75 Resp: 20556
Ion Ratio Lower Upper
75 100
110 8.4 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.960 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

Tgt Ion: 117 Resp: 25818
Ion Ratio Lower Upper
117 100
119 3.9 76.6 114.8#
121 0.0 23.8 35.6#





#49

1,4-Dioxane

Concen: 4.066 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.018 min

Lab File: VX034504.D

Acq: 15 Mar 2023 13:33

Instrument :

MSVOA_X

ClientSampleId :

VX0315MBL01

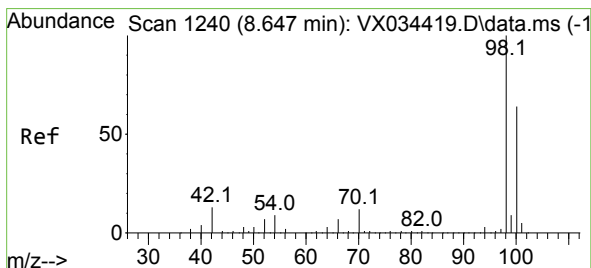
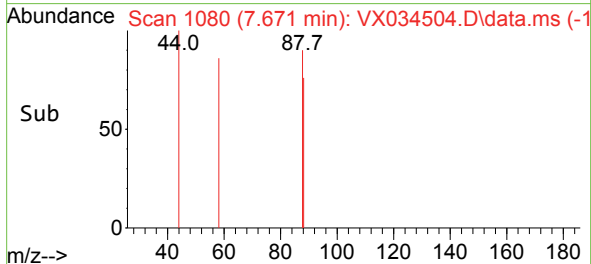
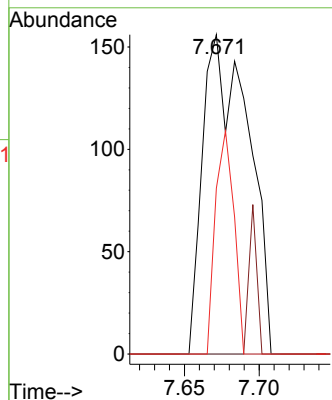
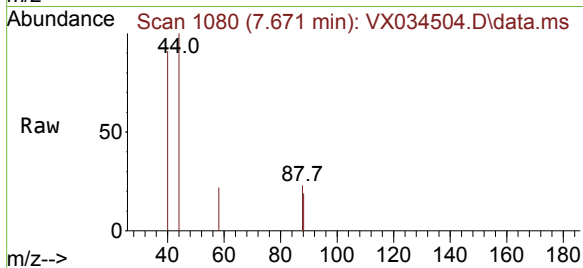
Tgt Ion: 88 Resp: 331

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 28.4 56.8 85.2#



#50

Toluene-d8

Concen: 48.824 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034504.D

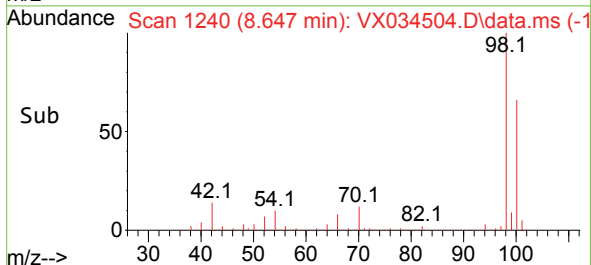
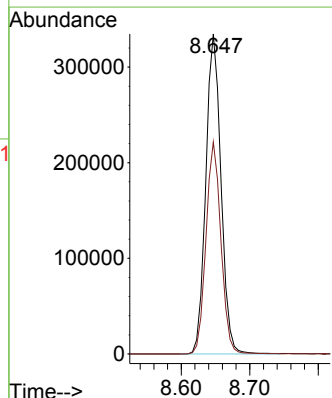
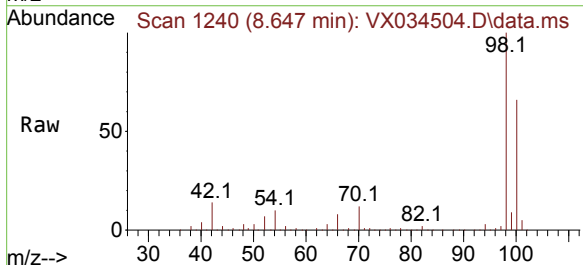
Acq: 15 Mar 2023 13:33

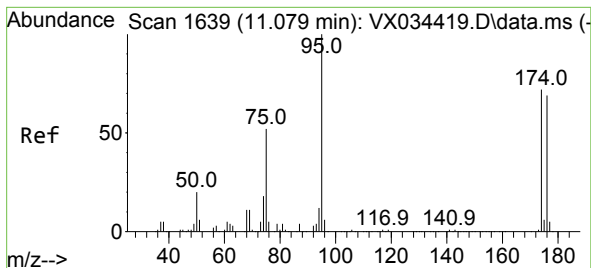
Tgt Ion: 98 Resp: 516726

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7

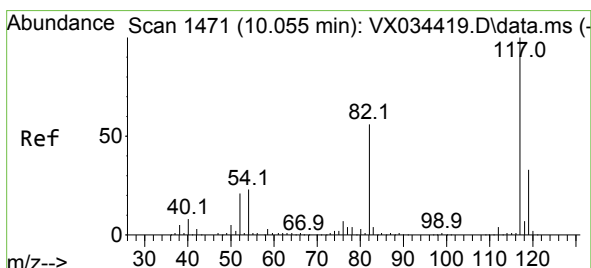
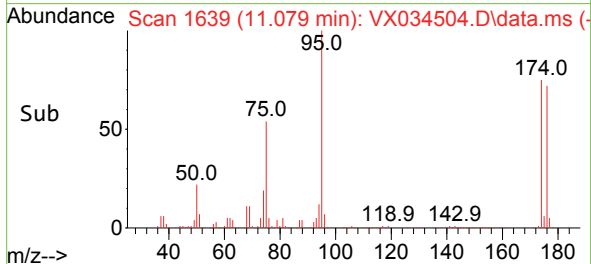
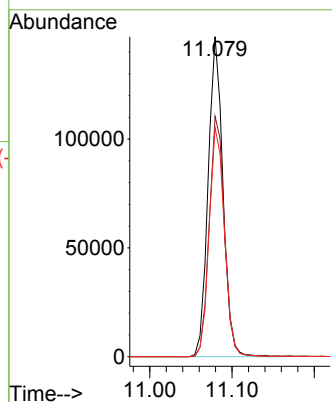
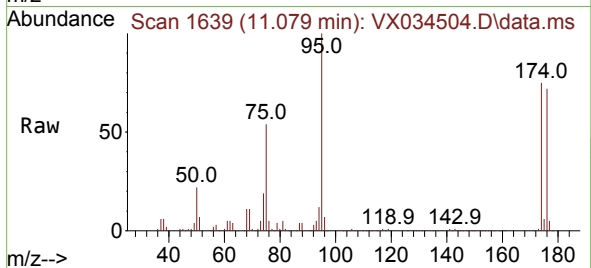




#62
4-Bromofluorobenzene
Concen: 42.898 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

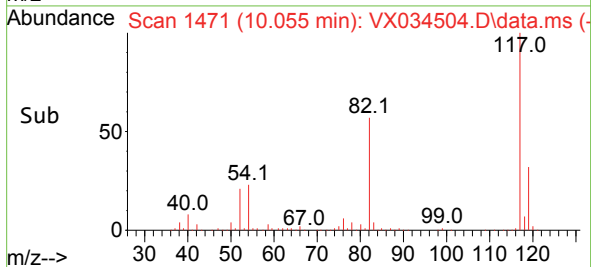
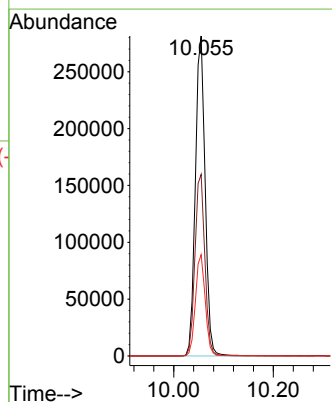
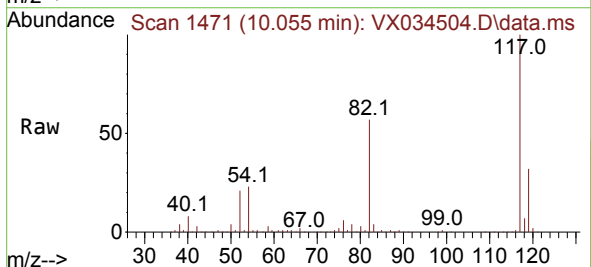
Instrument :
MSVOA_X
ClientSampleId :
VX0315MBL01

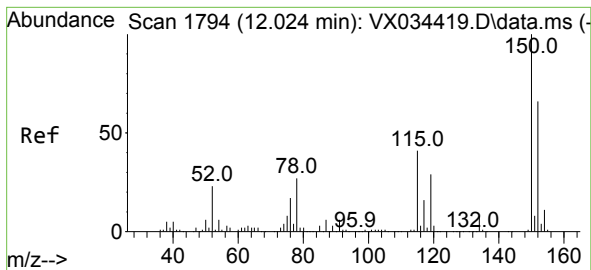
Tgt Ion: 95 Resp: 183388
Ion Ratio Lower Upper
95 100
174 78.0 0.0 147.4
176 74.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

Tgt Ion: 117 Resp: 383527
Ion Ratio Lower Upper
117 100
82 56.8 45.0 67.4
119 31.6 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: VX034504.D

Acq: 15 Mar 2023 13:33

Instrument :

MSVOA_X

ClientSampleId :

VX0315MBL01

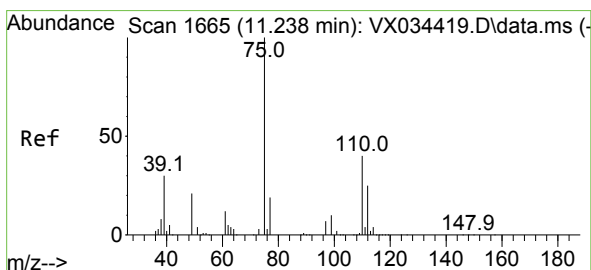
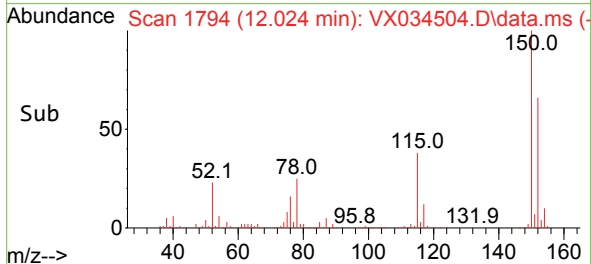
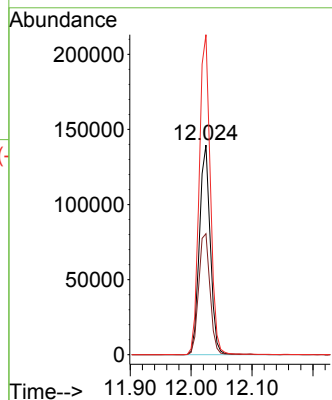
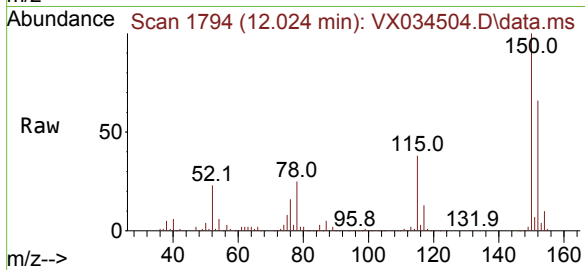
Tgt Ion:152 Resp: 172634

Ion Ratio Lower Upper

152 100

115 60.3 45.0 135.0

150 156.2 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 24.563 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034504.D

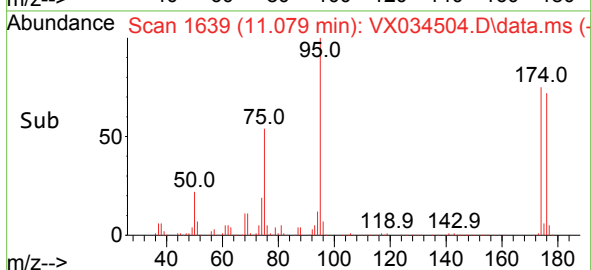
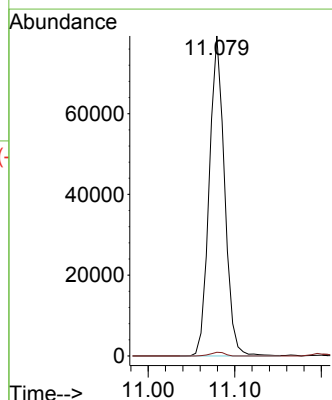
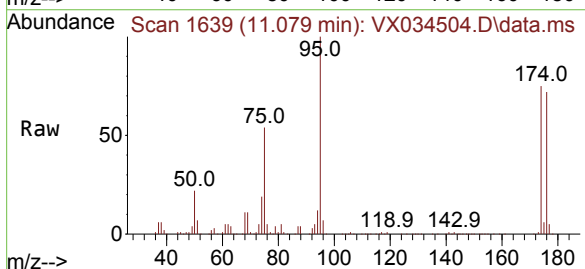
Acq: 15 Mar 2023 13:33

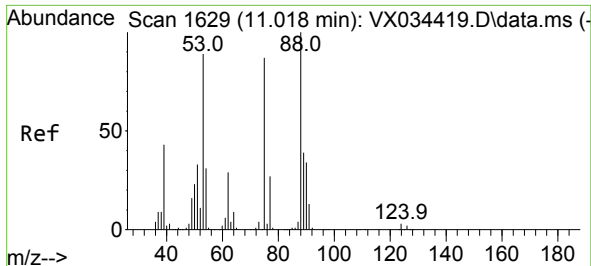
Tgt Ion: 75 Resp: 97365

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#

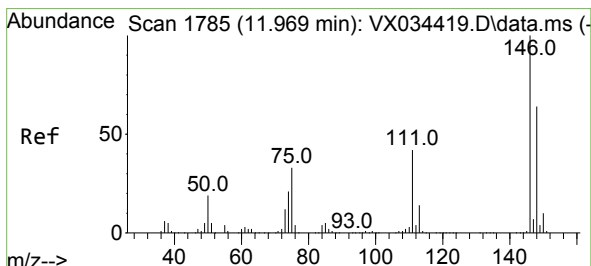
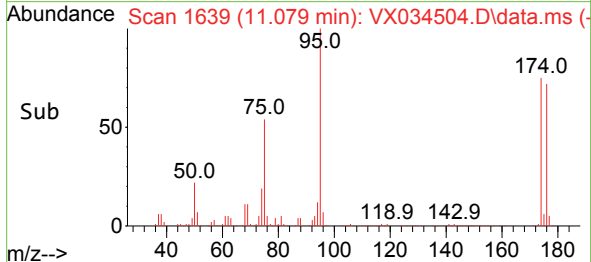
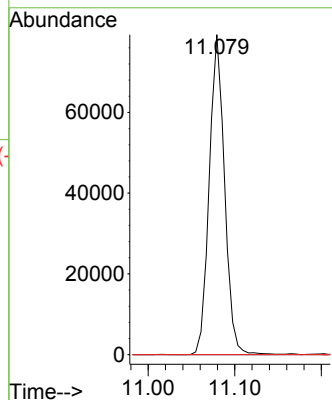
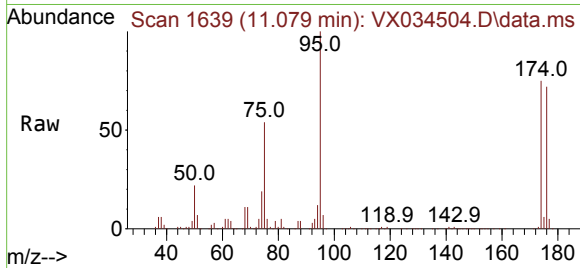




#81
trans-1,4-Dichloro-2-butene
Concen: 66.451 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

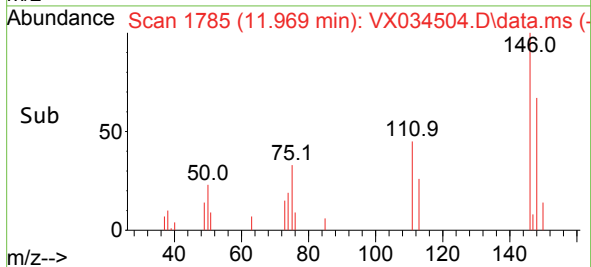
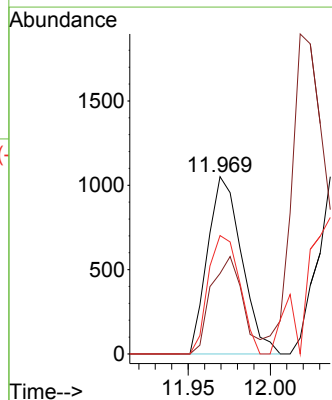
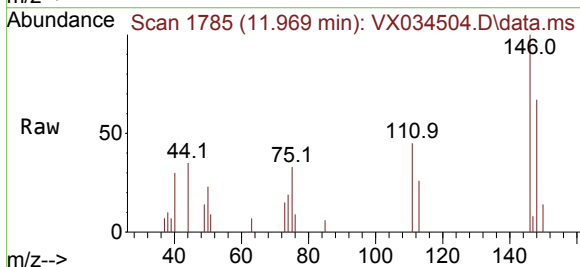
Instrument :
MSVOA_X
ClientSampleId :
VX0315MBL01

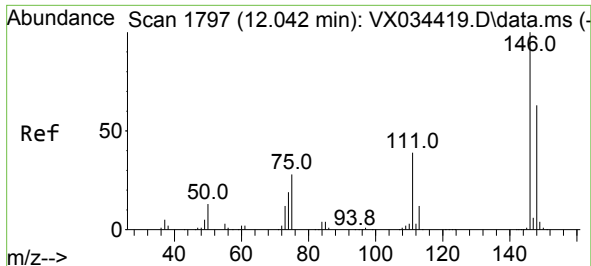
Tgt Ion: 75 Resp: 97365
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.241 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

Tgt Ion: 146 Resp: 1513
Ion Ratio Lower Upper
146 100
111 51.0 20.9 62.8
148 61.9 31.6 95.0

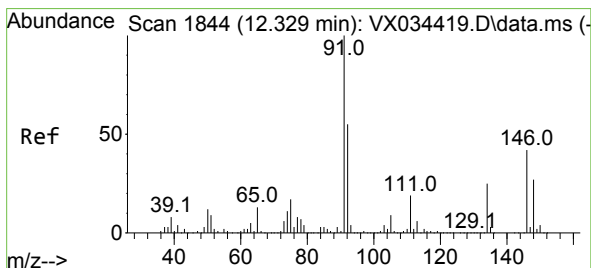
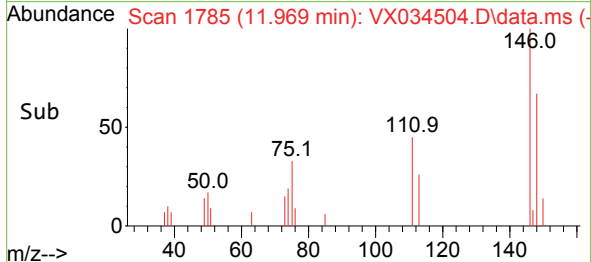
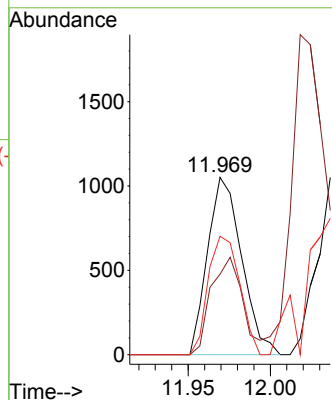
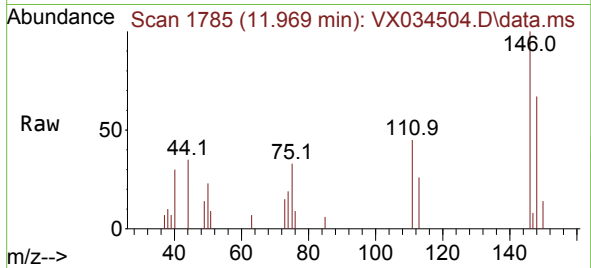




#88
1,4-Dichlorobenzene
Concen: 0.239 ug/l
RT: 11.969 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

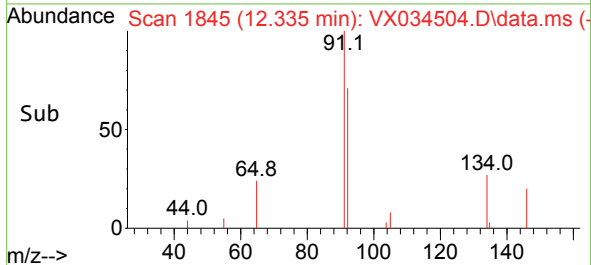
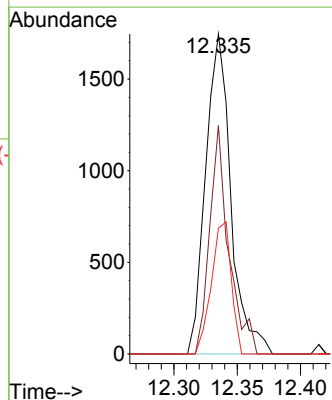
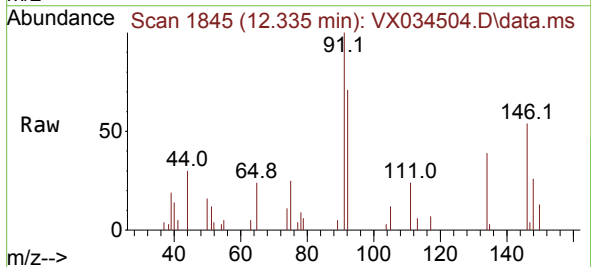
Instrument :
MSVOA_X
ClientSampleId :
VX0315MBL01

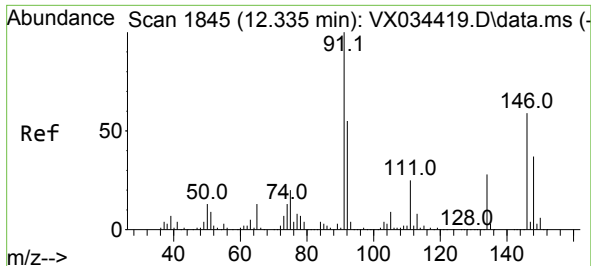
Tgt Ion:146 Resp: 1513
Ion Ratio Lower Upper
146 100
111 51.0 20.6 61.9
148 61.9 31.8 95.4



#89
n-Butylbenzene
Concen: 0.236 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX034504.D
Acq: 15 Mar 2023 13:33

Tgt Ion: 91 Resp: 2429
Ion Ratio Lower Upper
91 100
92 53.9 27.7 83.0
134 32.4 13.0 38.9





#91

1,2-Dichlorobenzene

Concen: 0.231 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX034504.D

Acq: 15 Mar 2023 13:33

Instrument :

MSVOA_X

ClientSampleId :

VX0315MBL01

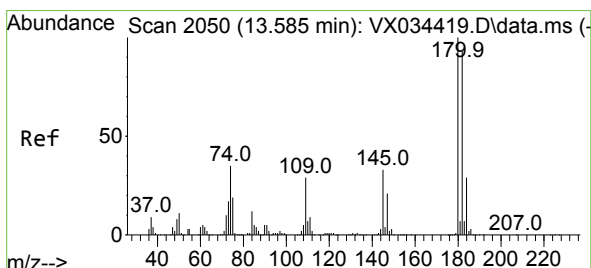
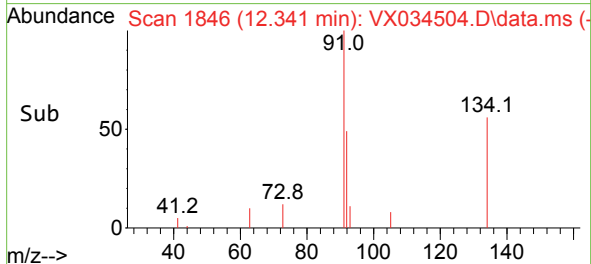
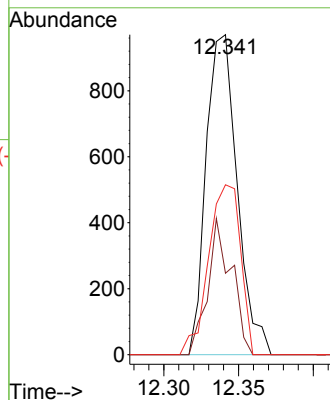
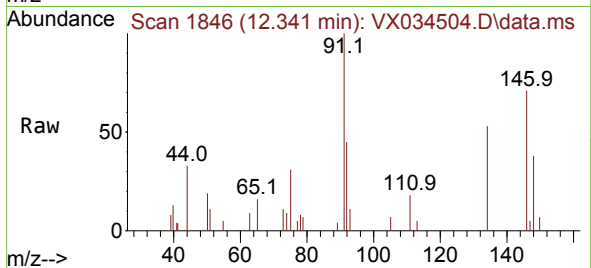
Tgt Ion:146 Resp: 1401

Ion Ratio Lower Upper

146 100

111 32.5 22.0 66.0

148 54.7 32.0 96.0



#93

1,2,4-Trichlorobenzene

Concen: 0.558 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX034504.D

Acq: 15 Mar 2023 13:33

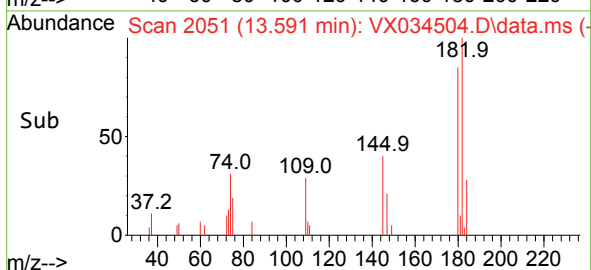
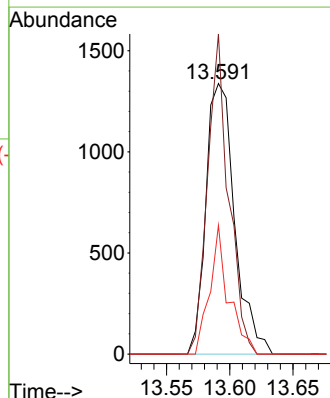
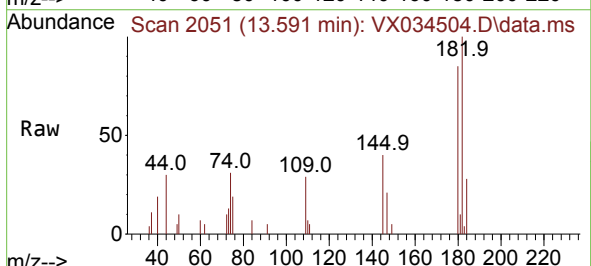
Tgt Ion:180 Resp: 2117

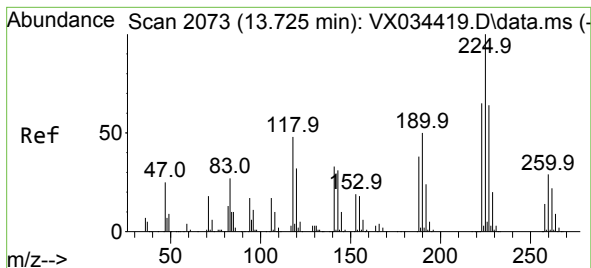
Ion Ratio Lower Upper

180 100

182 86.6 47.0 141.0

145 31.5 15.9 47.7





#94

Hexachlorobutadiene

Concen: 1.345 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX034504.D

Acq: 15 Mar 2023 13:33

Instrument :

MSVOA_X

ClientSampleId :

VX0315MBL01

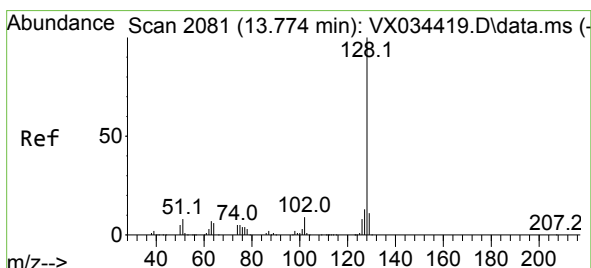
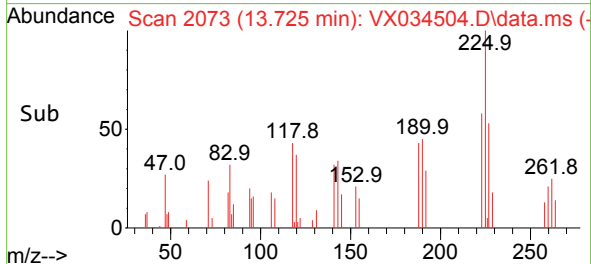
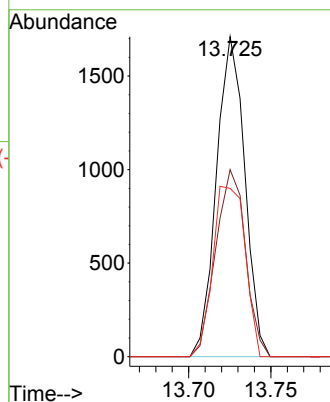
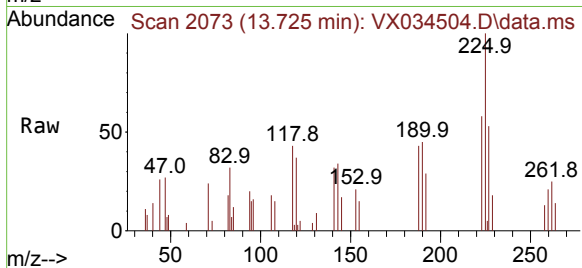
Tgt Ion:225 Resp: 2054

Ion Ratio Lower Upper

225 100

223 61.3 32.1 96.5

227 60.5 31.8 95.4



#95

Naphthalene

Concen: 0.389 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX034504.D

Acq: 15 Mar 2023 13:33

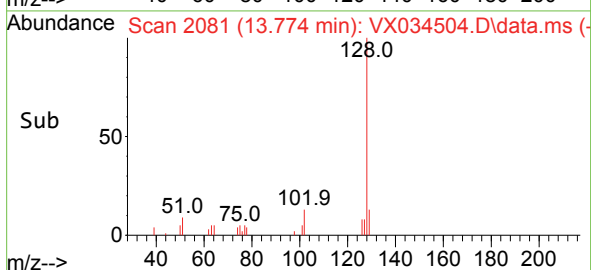
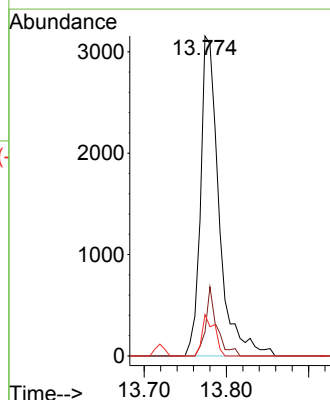
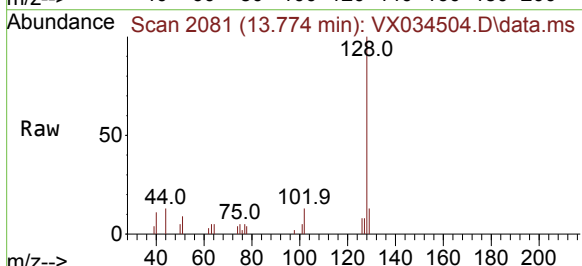
Tgt Ion:128 Resp: 4944

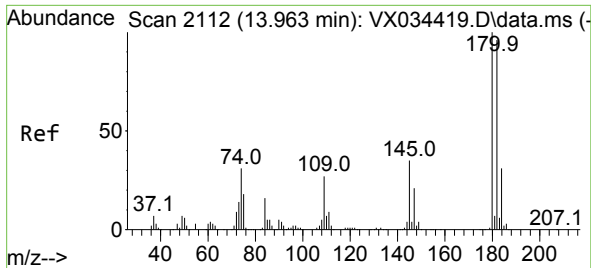
Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

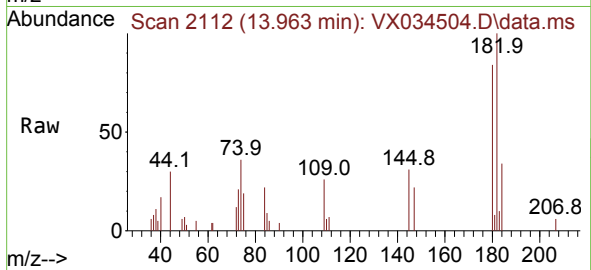
129 8.7 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.554 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX034504.D
 Acq: 15 Mar 2023 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0315MBL01



Tgt Ion:180 Resp: 2052
 Ion Ratio Lower Upper
 180 100
 182 104.3 48.0 144.2
 145 35.8 17.7 53.1

