

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011924\
 Data File : VX039830.D
 Acq On : 19 Jan 2024 11:50
 Operator : JC/MD
 Sample : P1184-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-011824

Quant Time: Jan 20 00:23:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	89065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160455	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	152901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74039	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68155	45.681	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.360%
35) Dibromofluoromethane	5.391	113	51188	47.364	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.720%
50) Toluene-d8	8.647	98	197476	48.448	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.900%
62) 4-Bromofluorobenzene	11.079	95	78170	49.042	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.080%

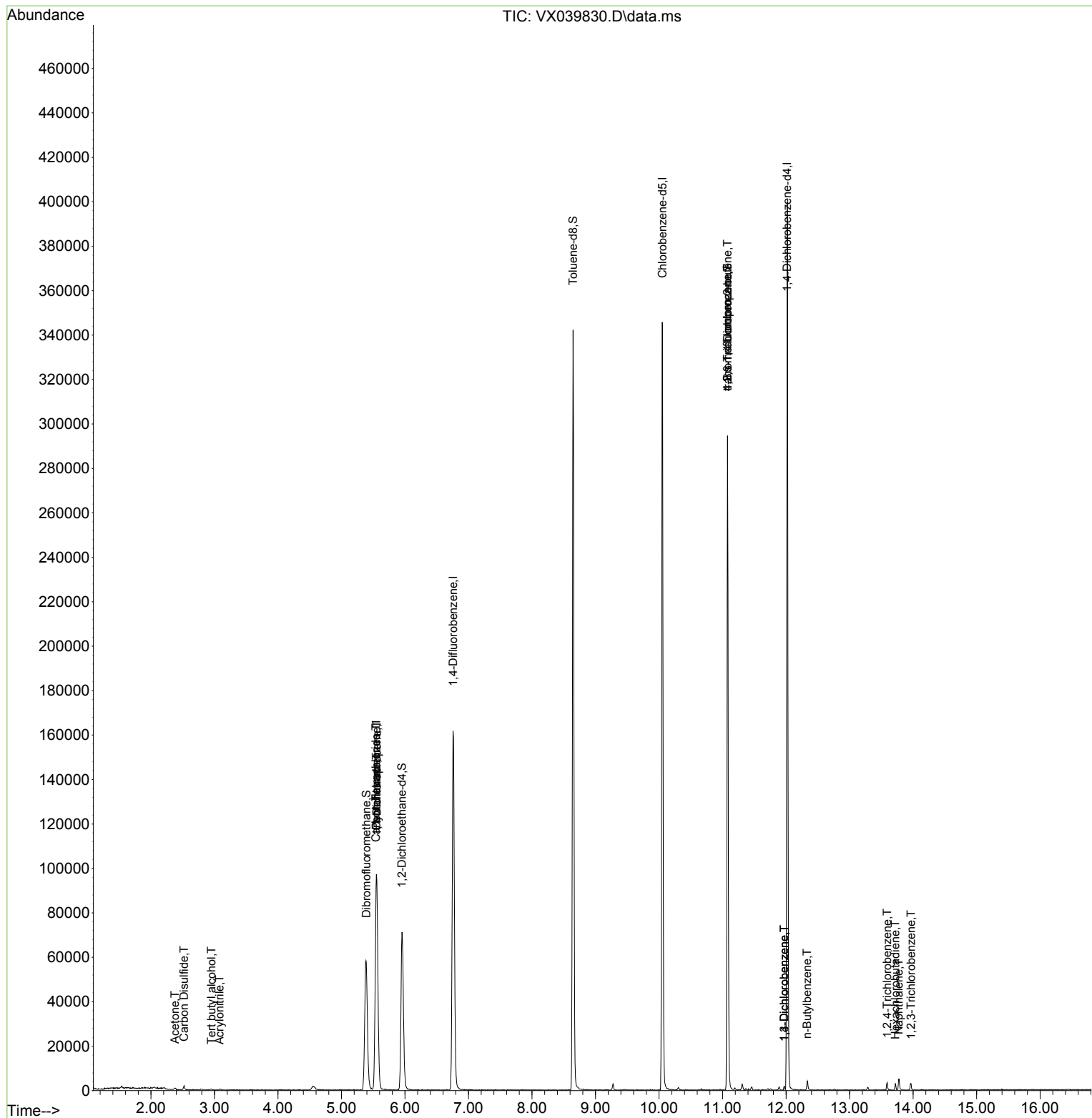
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.953	59	322	0.829	ug/l #	78
13) Acrolein	2.233	56	52	Below Cal	#	14
15) Acrylonitrile	3.081	53	249	0.310	ug/l #	49
16) Acetone	2.380	43	810	0.965	ug/l	100
17) Carbon Disulfide	2.520	76	986	0.320	ug/l	95
31) Cyclohexane	5.550	56	2395	1.216	ug/l #	23
36) 1,1-Dichloropropene	5.556	75	8267	4.914	ug/l #	51
38) Carbon Tetrachloride	5.544	117	9569	6.211	ug/l #	14
76) 1,2,3-Trichloropropane	11.079	75	42965	22.383	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	42965	64.833	ug/l #	5
87) 1,3-Dichlorobenzene	11.969	146	564	0.224	ug/l	84
88) 1,4-Dichlorobenzene	11.969	146	564	0.217	ug/l	85
89) n-Butylbenzene	12.329	91	1822	0.380	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	965	0.635	ug/l	93
94) Hexachlorobutadiene	13.719	225	478	0.757	ug/l	98
95) Naphthalene	13.774	128	3803	0.680	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.969	180	999	0.651	ug/l	91

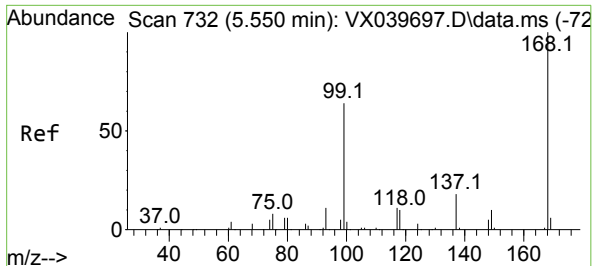
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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Quant Time: Jan 20 00:23:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration

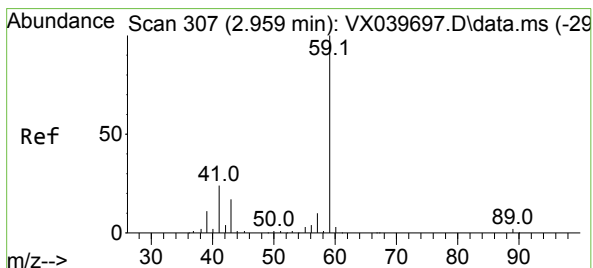
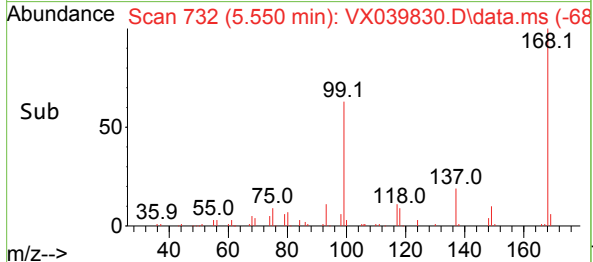
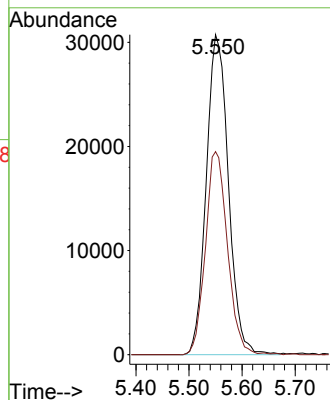
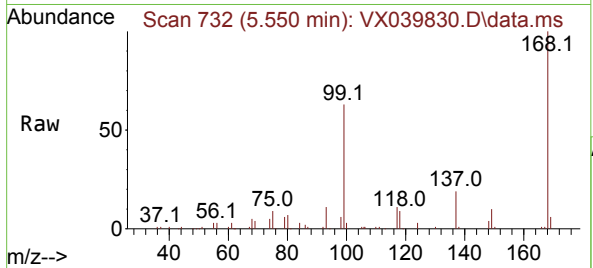




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

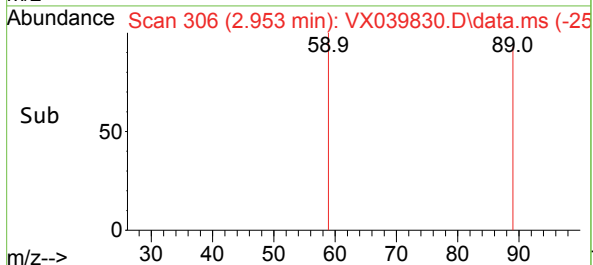
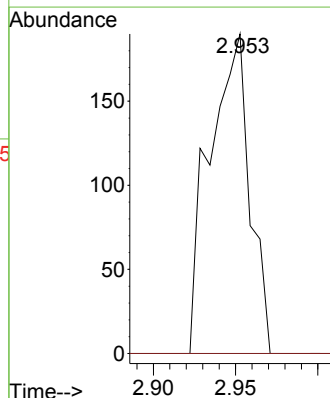
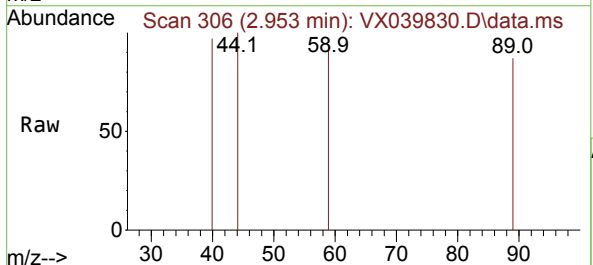
Instrument :
MSVOA_X
ClientSampleId :
FB-011824

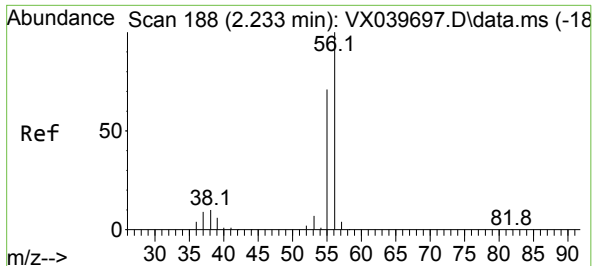
Tgt Ion:168 Resp: 89065
Ion Ratio Lower Upper
168 100
99 63.4 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.829 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

Tgt Ion: 59 Resp: 322
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

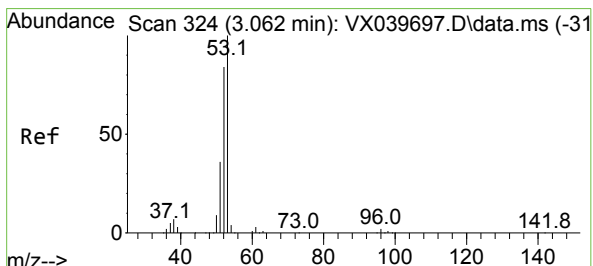
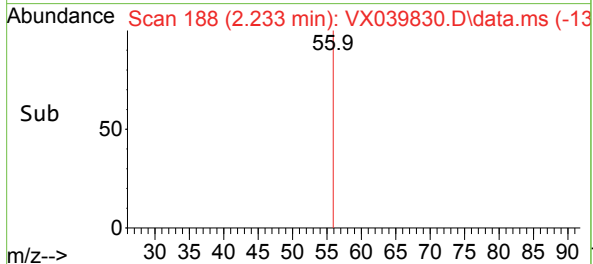
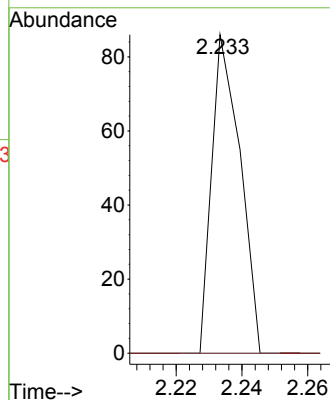
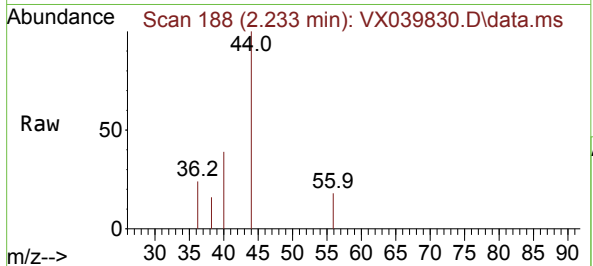




#13
Acrolein
Concen: Below Cal
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

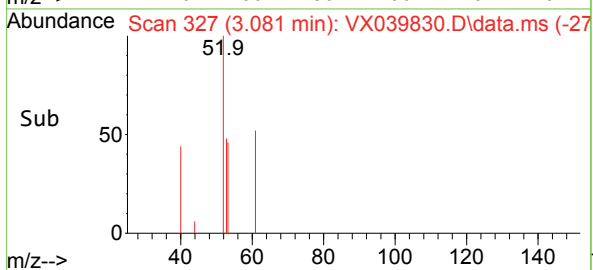
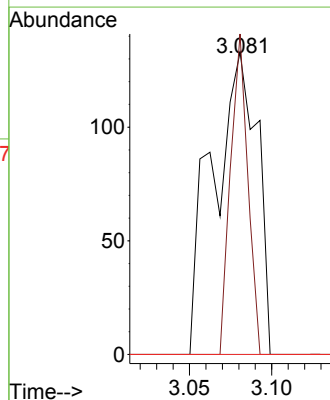
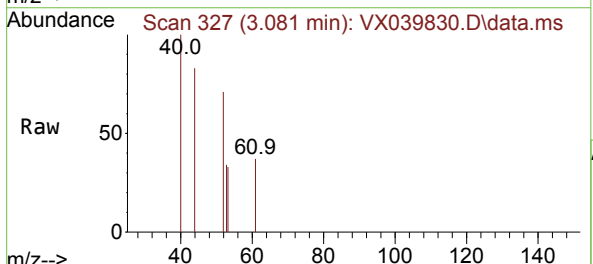
Instrument :
MSVOA_X
ClientSampleId :
FB-011824

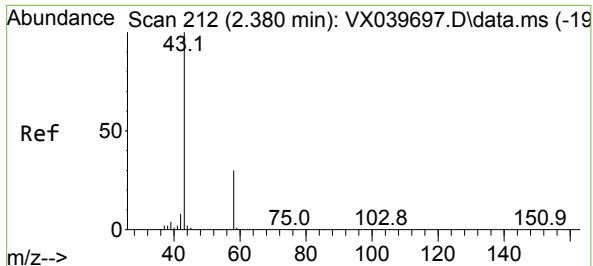
Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#15
Acrylonitrile
Concen: 0.310 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.018 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

Tgt Ion: 53 Resp: 249
Ion Ratio Lower Upper
53 100
52 41.4 66.0 99.0#
51 0.0 29.8 44.6#





#16

Acetone

Concen: 0.965 ug/l

RT: 2.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX039830.D

Acq: 19 Jan 2024 11:50

Instrument :

MSVOA_X

ClientSampleId :

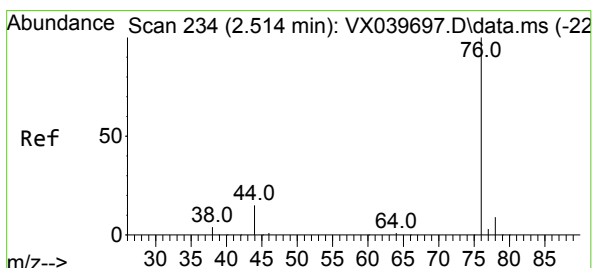
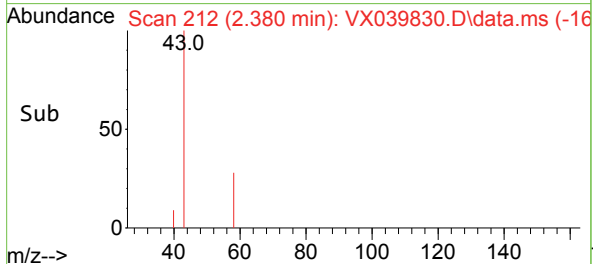
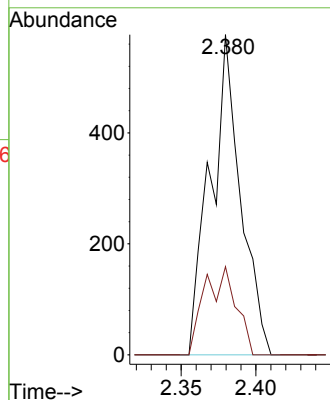
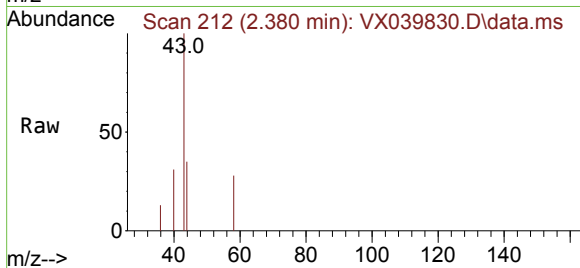
FB-011824

Tgt Ion: 43 Resp: 810

Ion Ratio Lower Upper

43 100

58 27.6 21.9 32.9



#17

Carbon Disulfide

Concen: 0.320 ug/l

RT: 2.520 min Scan# 235

Delta R.T. 0.006 min

Lab File: VX039830.D

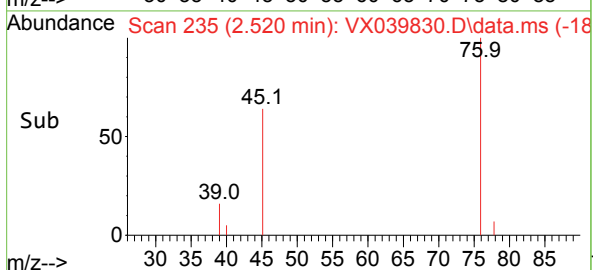
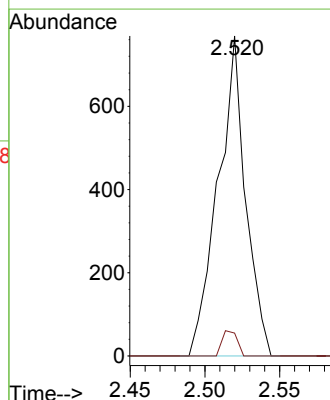
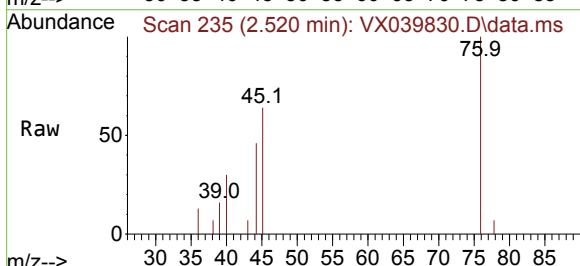
Acq: 19 Jan 2024 11:50

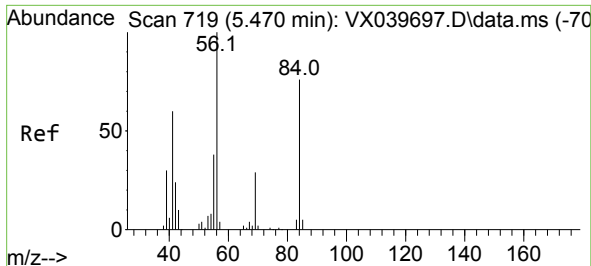
Tgt Ion: 76 Resp: 986

Ion Ratio Lower Upper

76 100

78 7.2 7.0 10.6

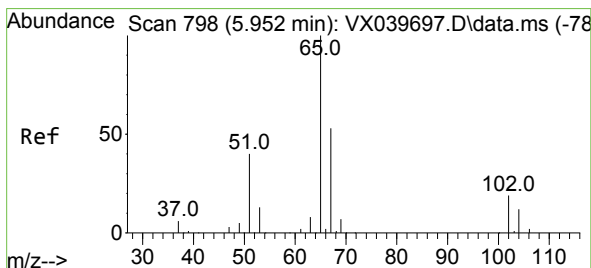
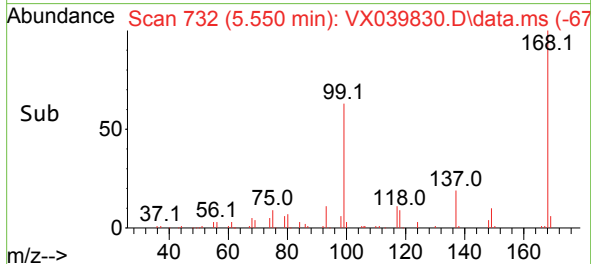
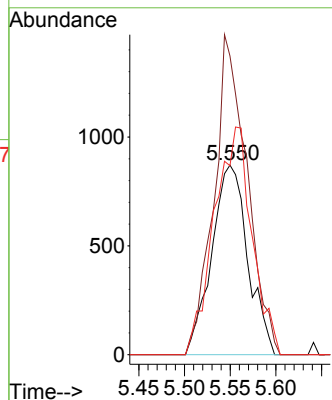
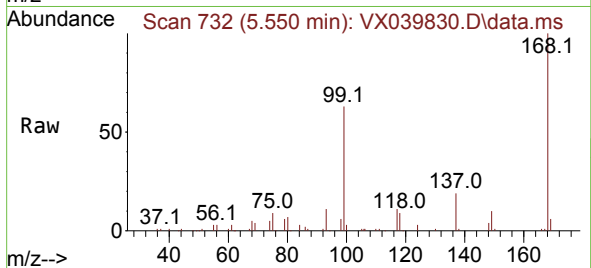




#31
Cyclohexane
Concen: 1.216 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

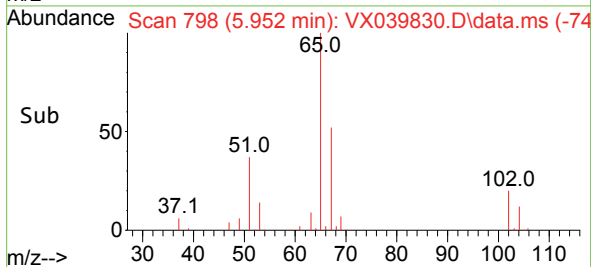
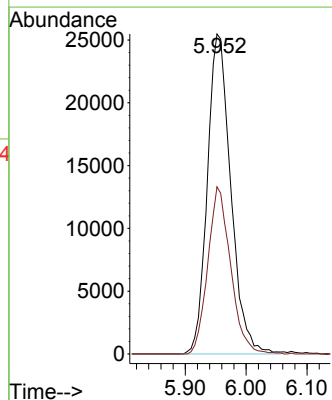
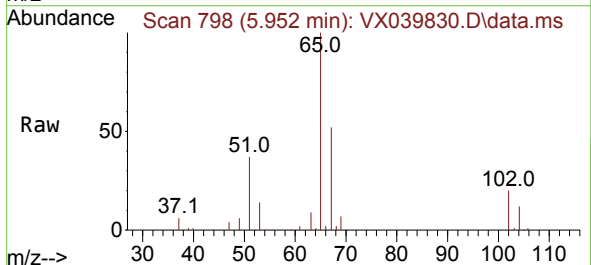
Instrument :
MSVOA_X
ClientSampleId :
FB-011824

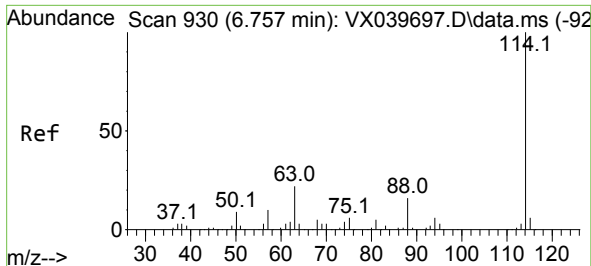
Tgt Ion: 56 Resp: 2395
Ion Ratio Lower Upper
56 100
69 157.5 23.4 35.2#
84 99.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.681 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

Tgt Ion: 65 Resp: 68155
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2

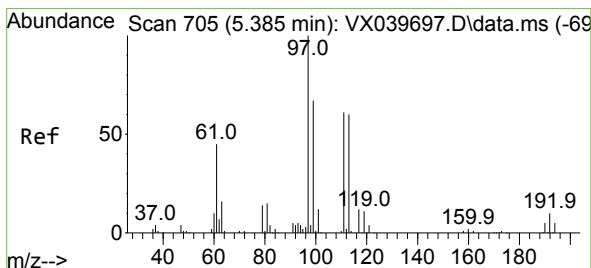
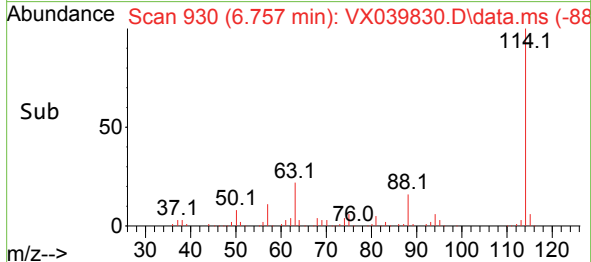
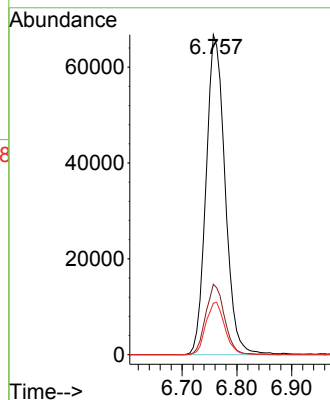
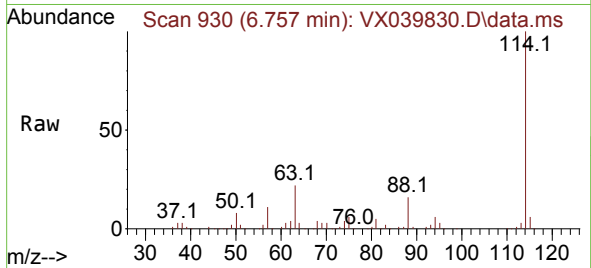




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

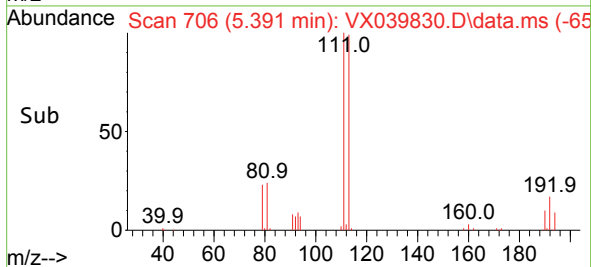
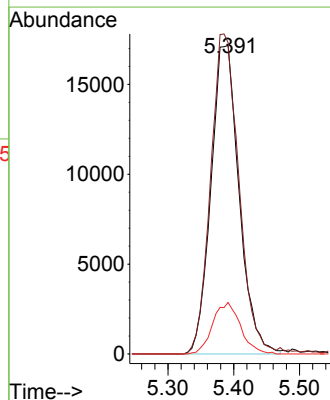
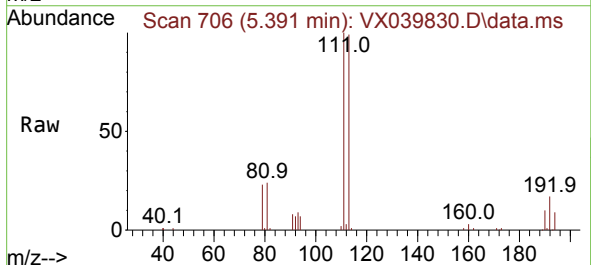
Instrument :
MSVOA_X
ClientSampleId :
FB-011824

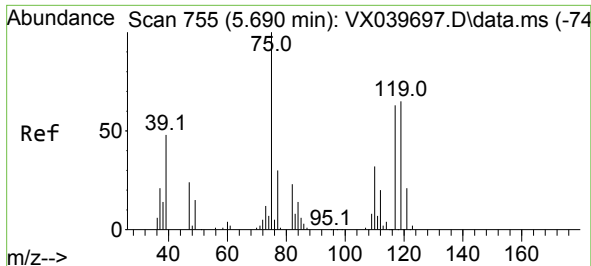
Tgt Ion:114 Resp: 160455
Ion Ratio Lower Upper
114 100
63 22.0 0.0 45.0
88 16.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.364 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

Tgt Ion:113 Resp: 51188
Ion Ratio Lower Upper
113 100
111 104.7 82.9 124.3
192 16.5 13.3 19.9

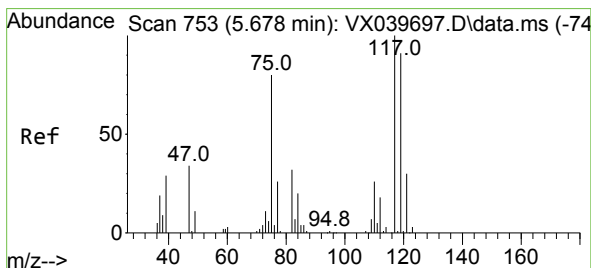
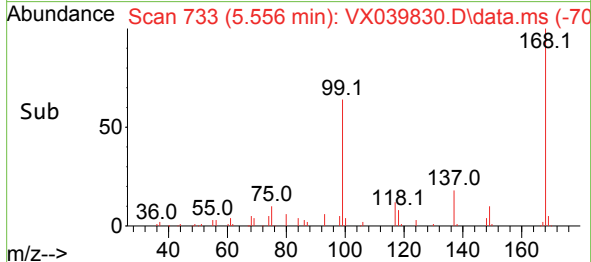
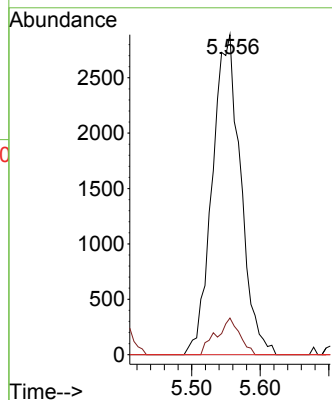
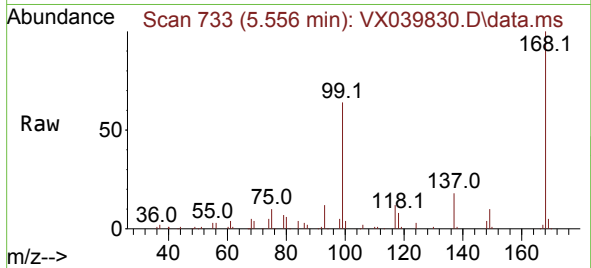




#36
 1,1-Dichloropropene
 Concen: 4.914 ug/l
 RT: 5.556 min Scan# 711
 Delta R.T. -0.134 min
 Lab File: VX039830.D
 Acq: 19 Jan 2024 11:50

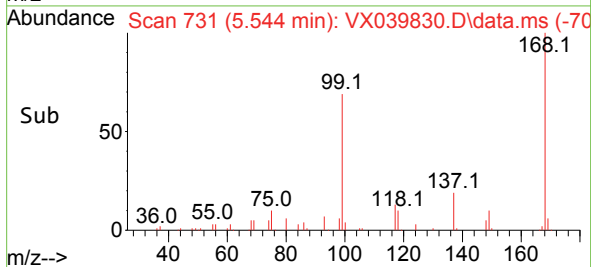
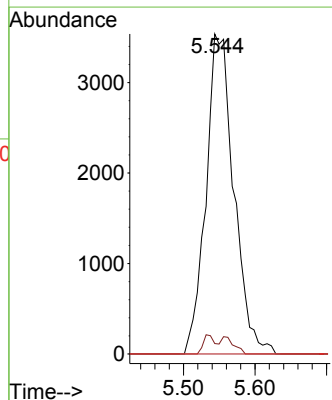
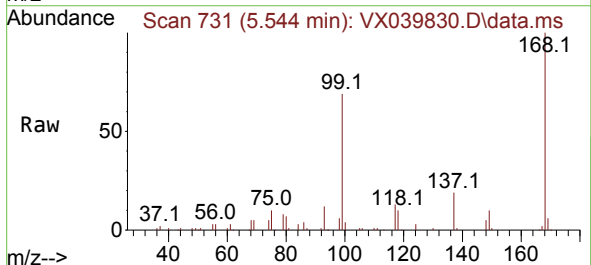
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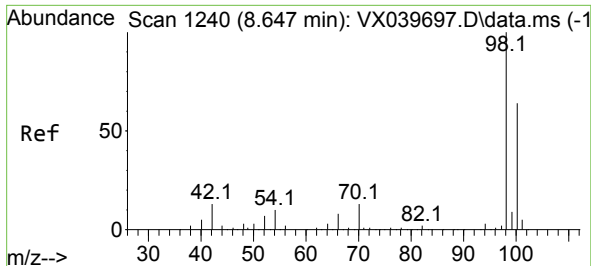
Tgt Ion: 75 Resp: 8267
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.0 50.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.211 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.134 min
 Lab File: VX039830.D
 Acq: 19 Jan 2024 11:50

Tgt Ion: 117 Resp: 9569
 Ion Ratio Lower Upper
 117 100
 119 3.3 78.2 117.2#
 121 0.0 24.4 36.6#

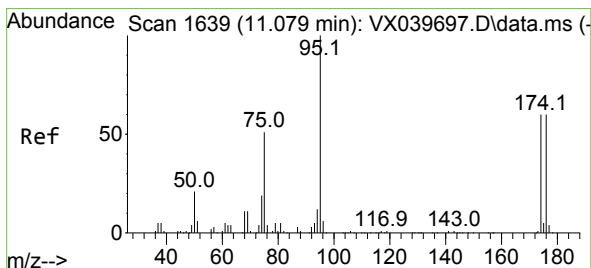
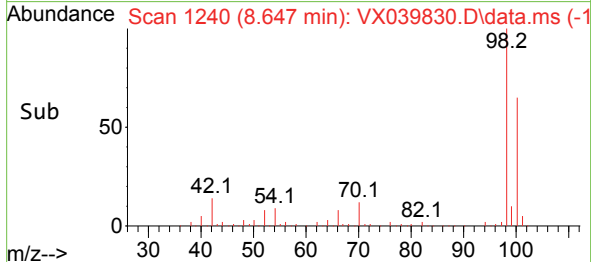
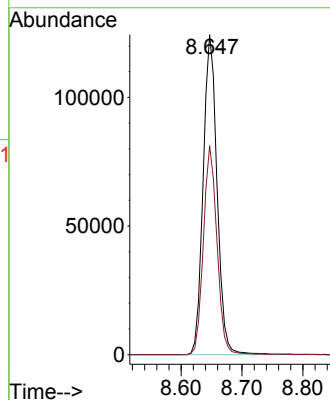
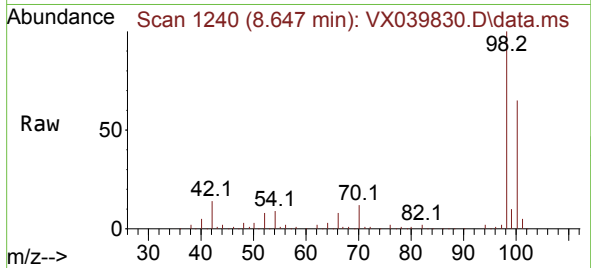




#50
Toluene-d8
Concen: 48.448 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

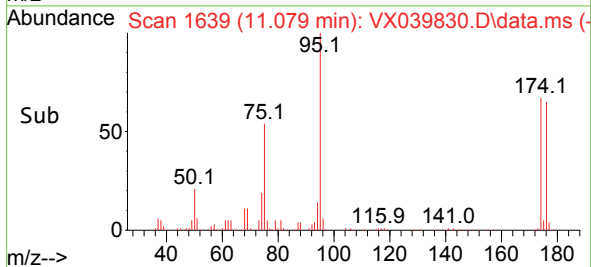
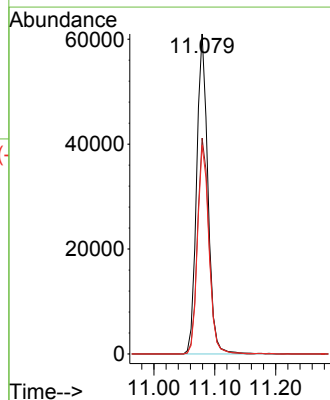
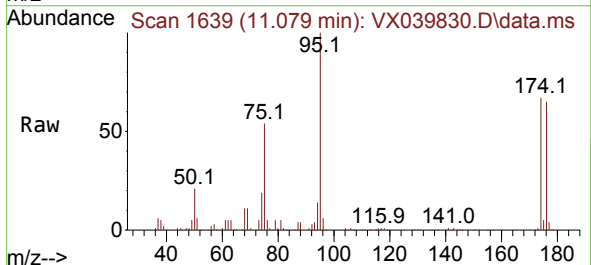
Instrument :
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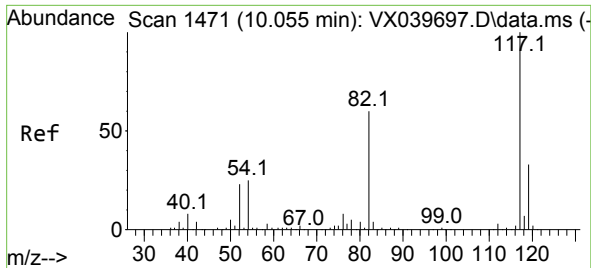
Tgt Ion: 98 Resp: 197476
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 49.042 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

Tgt Ion: 95 Resp: 78170
Ion Ratio Lower Upper
95 100
174 68.8 0.0 135.6
176 66.1 0.0 131.0

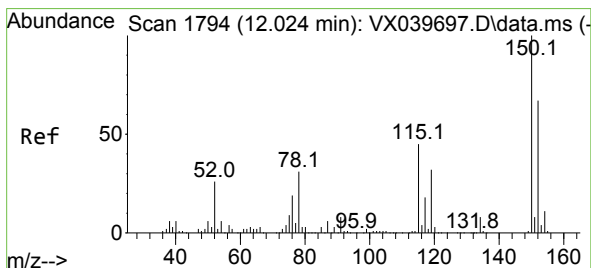
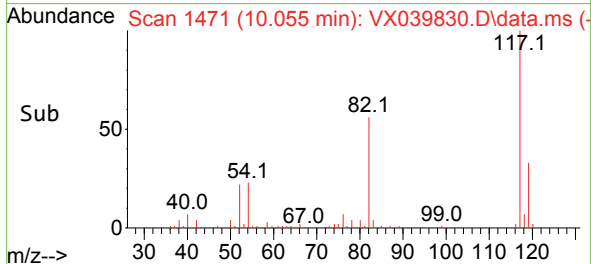
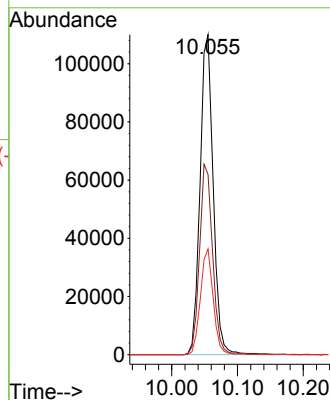
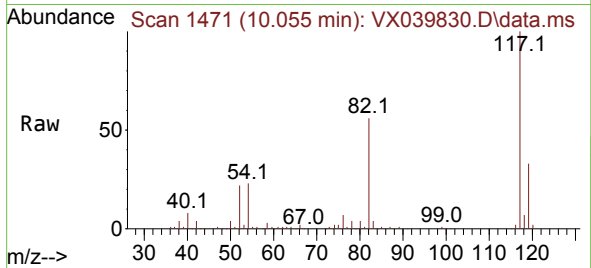




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

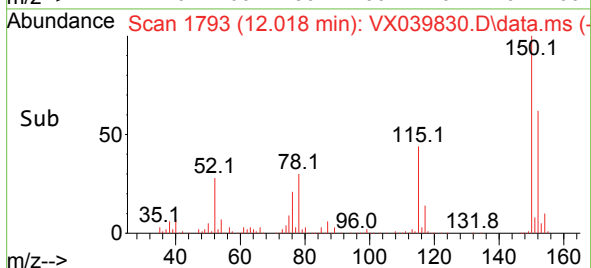
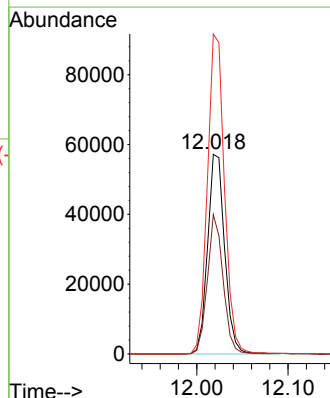
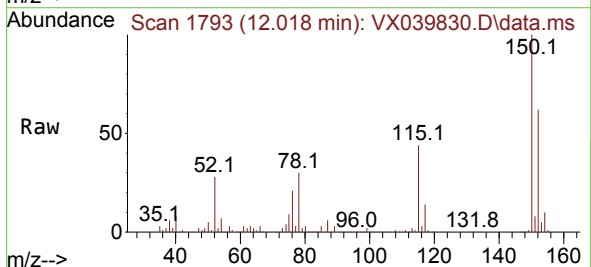
Instrument :
MSVOA_X
ClientSampleId :
FB-011824

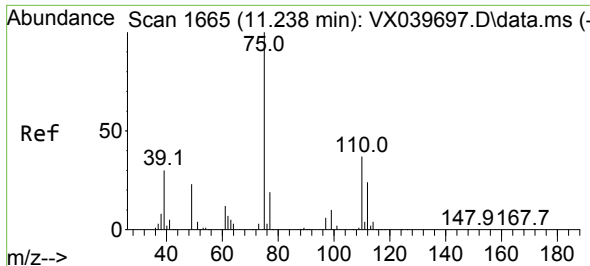
Tgt Ion:117 Resp: 152901
Ion Ratio Lower Upper
117 100
82 56.4 46.2 69.4
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

Tgt Ion:152 Resp: 74039
Ion Ratio Lower Upper
152 100
115 64.1 43.3 129.9
150 160.6 0.0 345.0

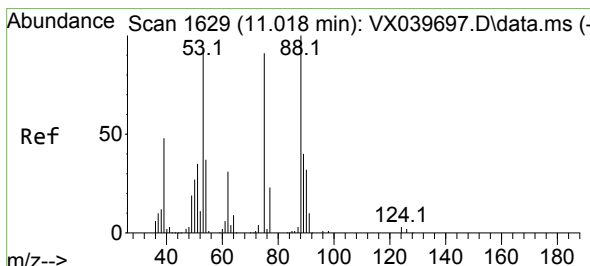
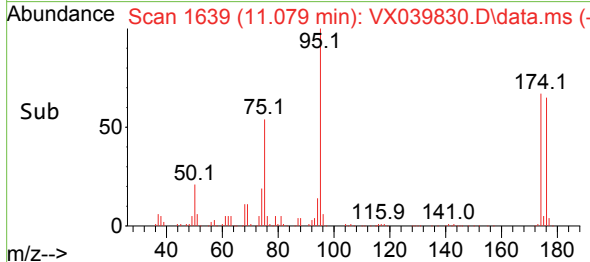
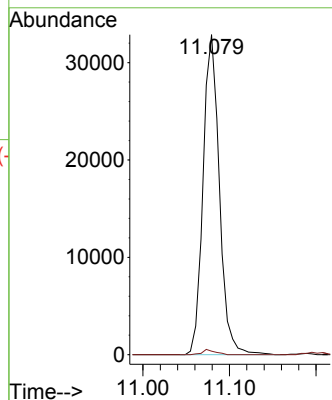
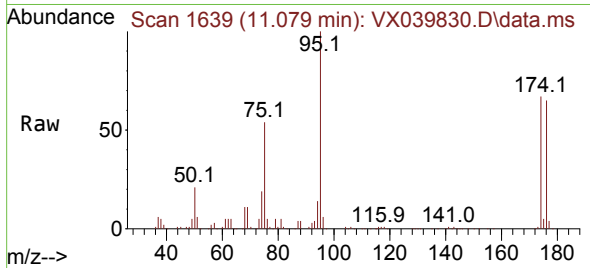




#76
1,2,3-Trichloropropane
Concen: 22.383 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

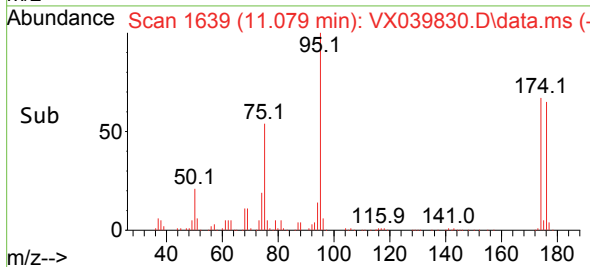
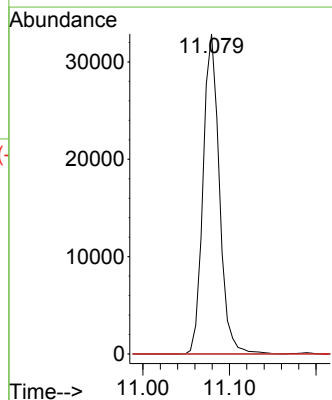
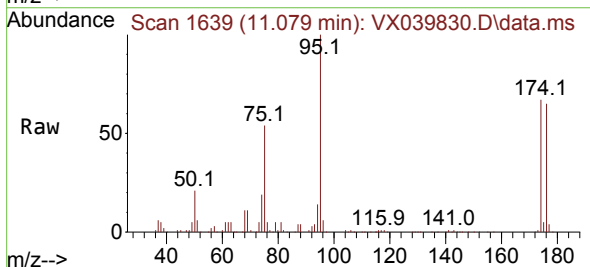
Instrument :
MSVOA_X
ClientSampleId :
FB-011824

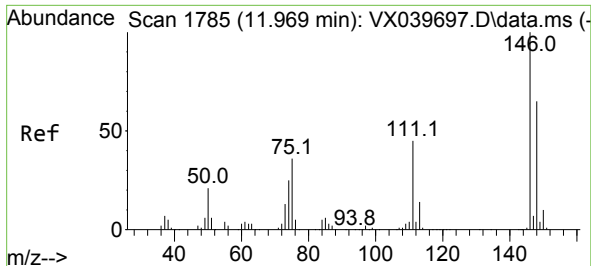
Tgt Ion: 75 Resp: 42965
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.833 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

Tgt Ion: 75 Resp: 42965
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.224 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX039830.D

Acq: 19 Jan 2024 11:50

Instrument :

MSVOA_X

ClientSampleId :

FB-011824

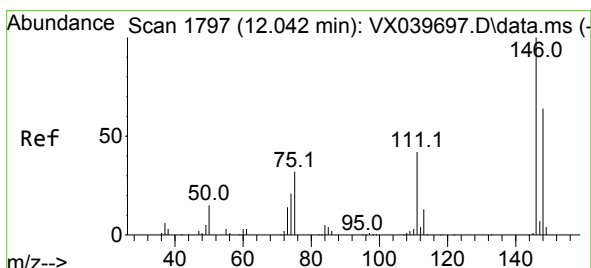
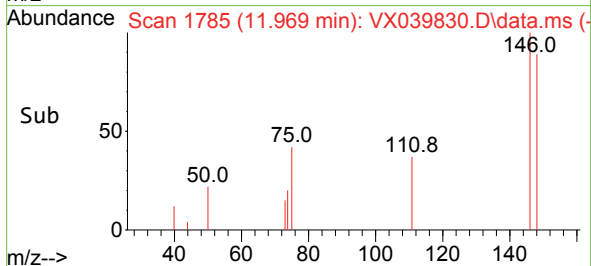
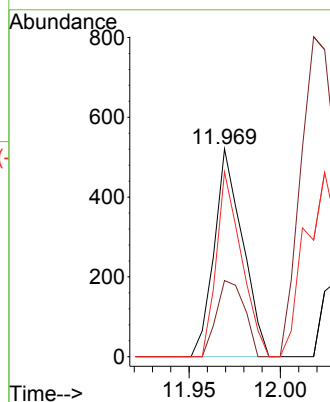
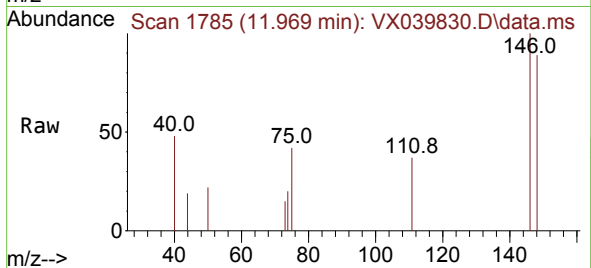
Tgt Ion:146 Resp: 564

Ion Ratio Lower Upper

146 100

111 36.2 22.1 66.1

148 78.4 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.217 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX039830.D

Acq: 19 Jan 2024 11:50

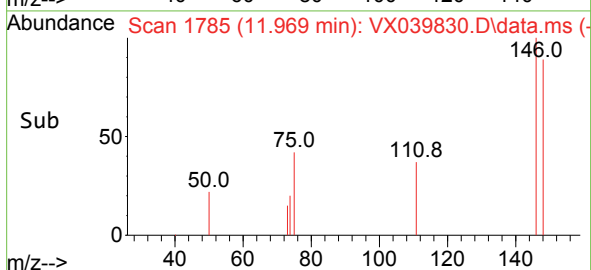
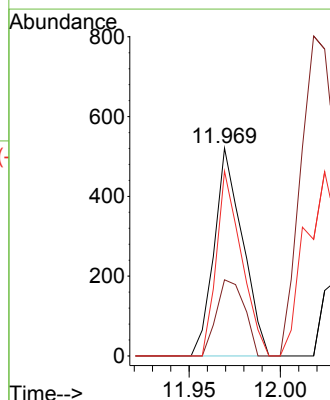
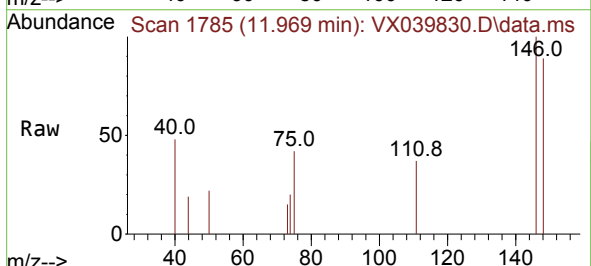
Tgt Ion:146 Resp: 564

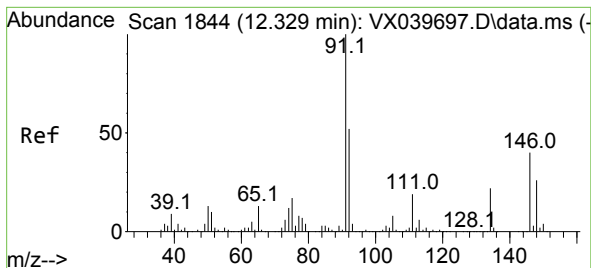
Ion Ratio Lower Upper

146 100

111 36.2 21.3 63.7

148 78.4 31.8 95.4





#89

n-Butylbenzene

Concen: 0.380 ug/l

RT: 12.329 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039830.D

Acq: 19 Jan 2024 11:50

Instrument :

MSVOA_X

ClientSampleId :

FB-011824

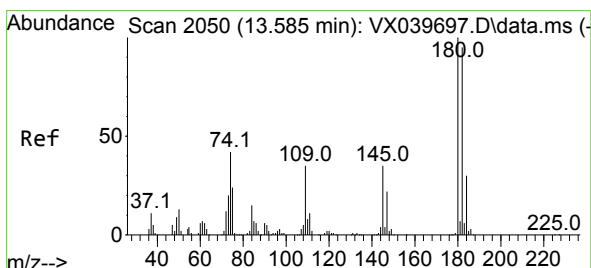
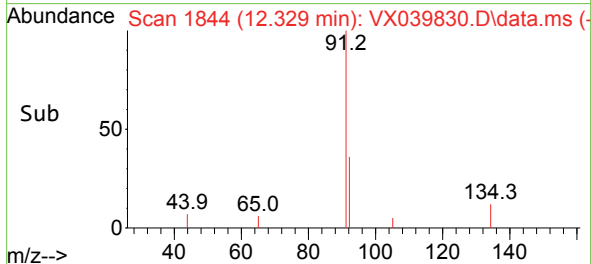
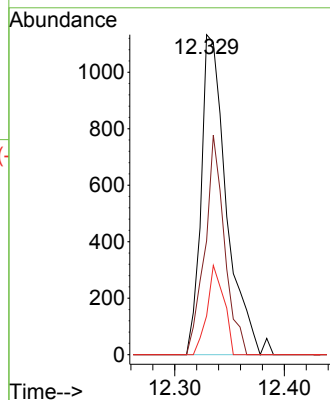
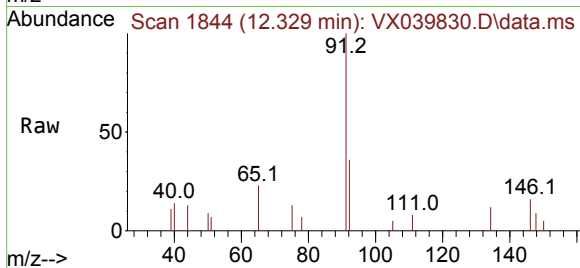
Tgt Ion: 91 Resp: 1822

Ion Ratio Lower Upper

91 100

92 53.1 27.4 82.0

134 18.4 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.635 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX039830.D

Acq: 19 Jan 2024 11:50

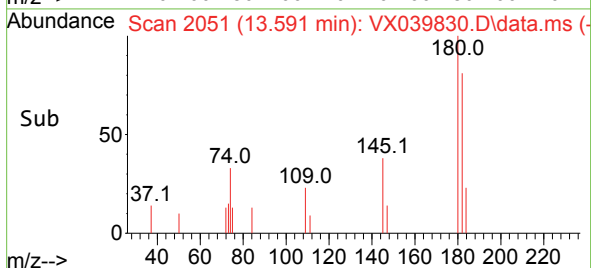
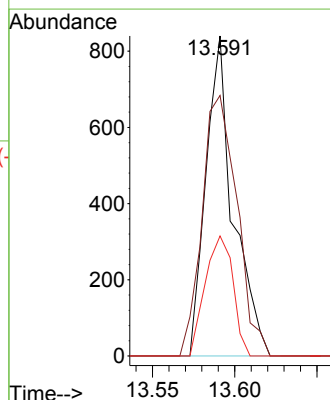
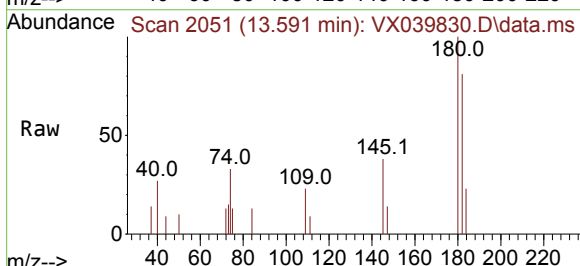
Tgt Ion: 180 Resp: 965

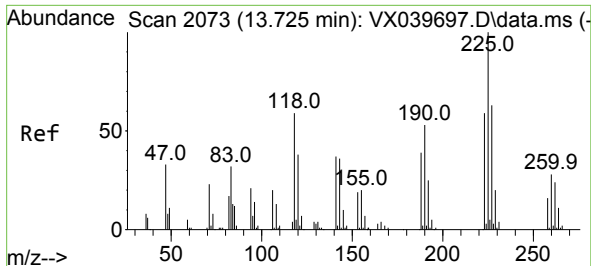
Ion Ratio Lower Upper

180 100

182 104.2 48.3 144.8

145 38.2 18.0 54.0

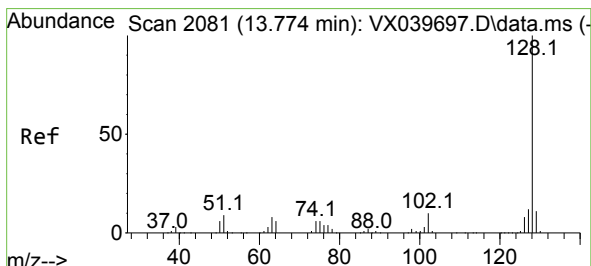
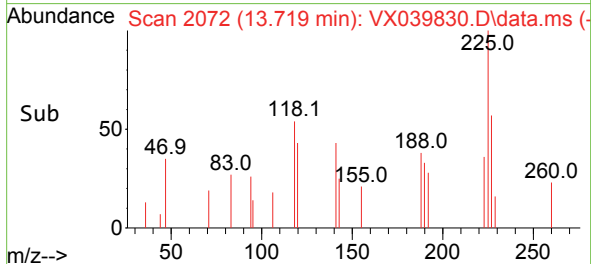
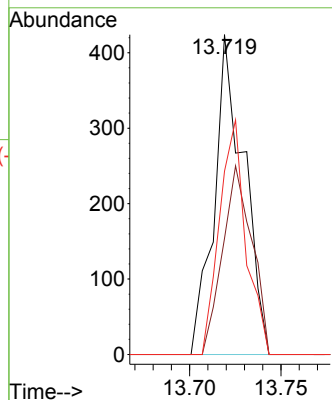
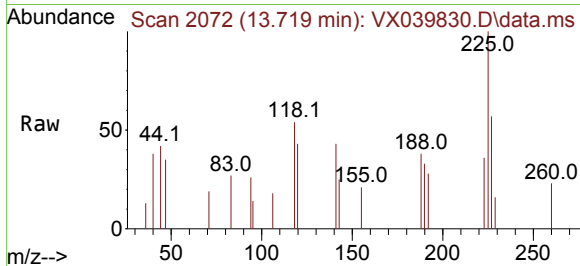




#94
Hexachlorobutadiene
Concen: 0.757 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

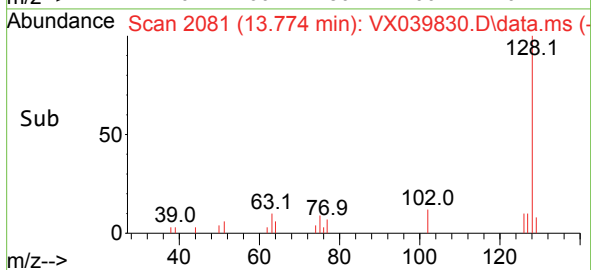
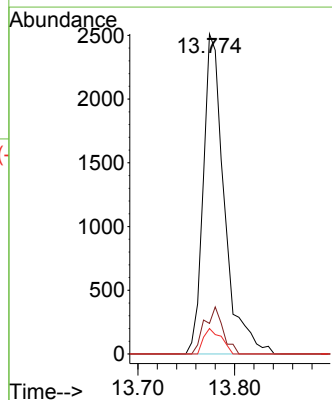
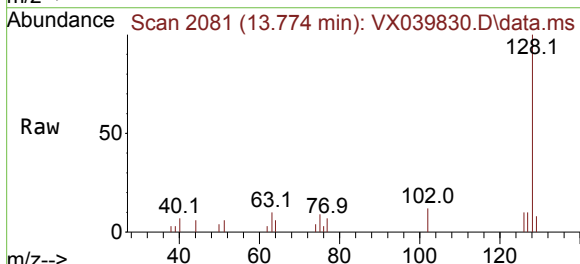
Instrument :
MSVOA_X
ClientSampleId :
FB-011824

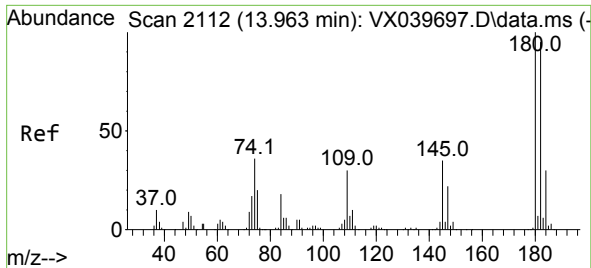
Tgt Ion:	225	Resp:	478
Ion	Ratio	Lower	Upper
225	100		
223	58.6	31.1	93.2
227	65.3	32.5	97.5



#95
Naphthalene
Concen: 0.680 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX039830.D
Acq: 19 Jan 2024 11:50

Tgt Ion:	128	Resp:	3803
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	6.7	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.651 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX039830.D
 Acq: 19 Jan 2024 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-011824

Tgt Ion:180 Resp: 999
 Ion Ratio Lower Upper
 180 100
 182 82.2 46.9 140.6
 145 36.7 17.8 53.5

