

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100423\
 Data File : VX038076.D
 Acq On : 04 Oct 2023 19:28
 Operator : JC/MD
 Sample : 04622-01ME
 Misc : 5.55g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 05 01:06:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100323W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 04 09:08:35 2023
 Response via : Initial Calibration

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

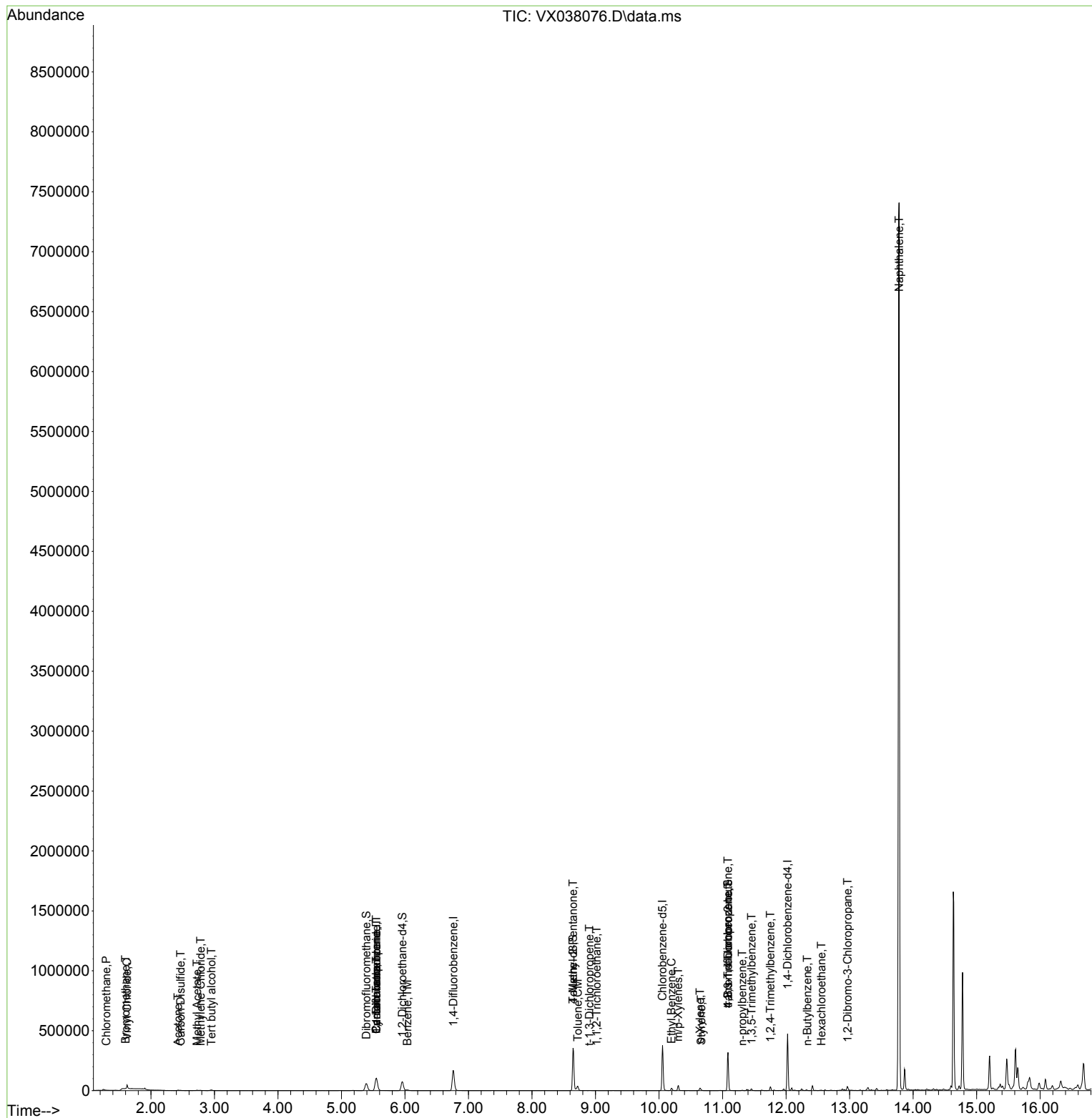
Internal Standards						
1) Pentafluorobenzene	5.550	168	95219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	171346	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	165717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72047	48.629	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.260%		
35) Dibromofluoromethane	5.391	113	50496	42.957	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	85.920%		
50) Toluene-d8	8.647	98	214425	47.664	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.320%		
62) 4-Bromofluorobenzene	11.085	95	80481	49.156	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.320%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	331	0.265	ug/l #	43
4) Vinyl Chloride	1.624	62	270	0.239	ug/l #	8
5) Bromomethane	1.599	94	379	0.256	ug/l	85
11) Tert butyl alcohol	2.953	59	3700	11.118	ug/l #	78
16) Acetone	2.428	43	4910	7.546	ug/l	93
17) Carbon Disulfide	2.465	76	2297	0.901	ug/l #	85
18) Methyl Acetate	2.727	43	4001	1.430	ug/l	93
20) Methylene Chloride	2.782	84	1397	0.666	ug/l #	80
31) Cyclohexane	5.550	56	2480	1.431	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8436	4.870	ug/l #	51
38) Carbon Tetrachloride	5.550	117	10470	6.211	ug/l #	14
40) Benzene	6.037	78	7409	1.516	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	1004	0.479	ug/l #	1
52) Toluene	8.720	92	12167	3.847	ug/l	93
53) t-1,3-Dichloropropene	8.903	75	503	0.285	ug/l #	43
55) 1,1,2-Trichloroethane	9.019	97	319	0.248	ug/l #	17
67) Ethyl Benzene	10.195	91	11638	1.860	ug/l	94
68) m/p-Xylenes	10.299	106	9958	4.155	ug/l	99
69) o-Xylene	10.646	106	4457	1.958	ug/l	98
70) Styrene	10.665	104	3429	0.912	ug/l	88
76) 1,2,3-Trichloropropane	11.085	75	46064	21.578	ug/l #	39
78) n-propylbenzene	11.311	91	2321	0.302	ug/l	88
80) 1,3,5-Trimethylbenzene	11.457	105	6879	1.292	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.085	75	46064	72.875	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	14162	2.638	ug/l	99
89) n-Butylbenzene	12.335	91	1628	0.290	ug/l #	51
90) Hexachloroethane	12.555	117	397	0.433	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	12.969	75	462	0.867	ug/l #	9
95) Naphthalene	13.780	128	4382743	640.593	ug/l	97

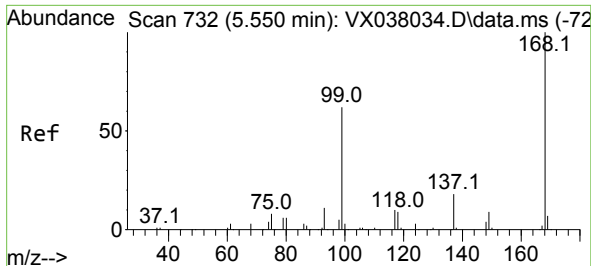
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100423\
Data File : VX038076.D
Acq On : 04 Oct 2023 19:28
Operator : JC/MD
Sample : 04622-01ME
Misc : 5.55g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 05 01:06:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100323W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 04 09:08:35 2023
Response via : Initial Calibration

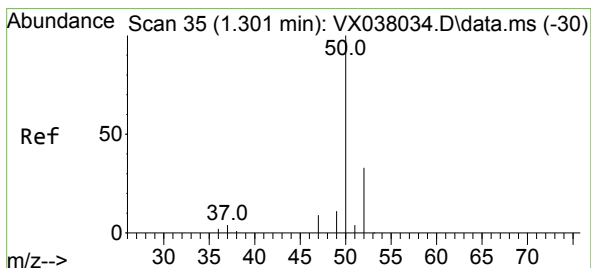
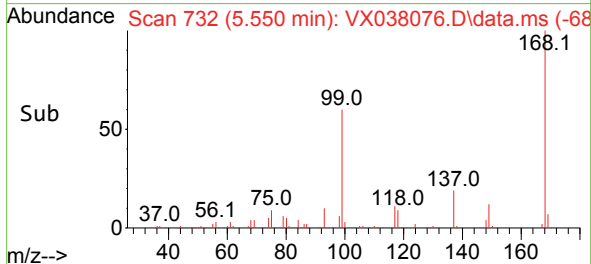
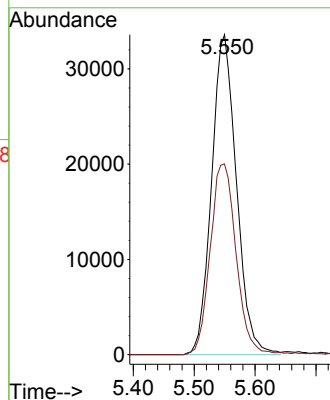
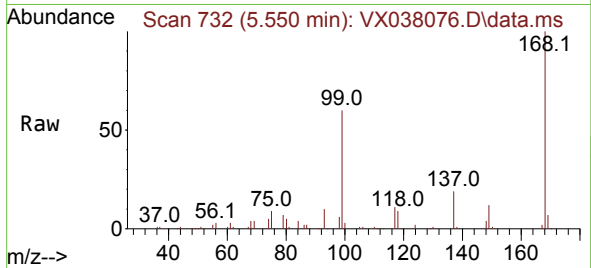




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

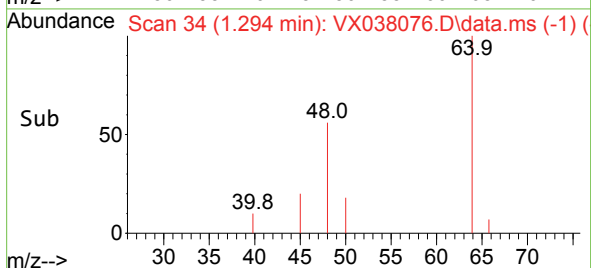
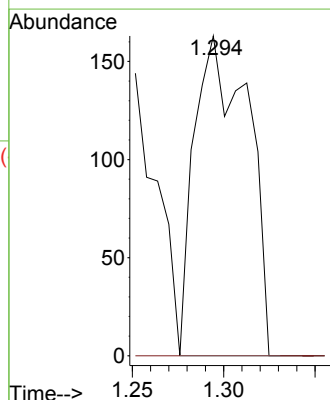
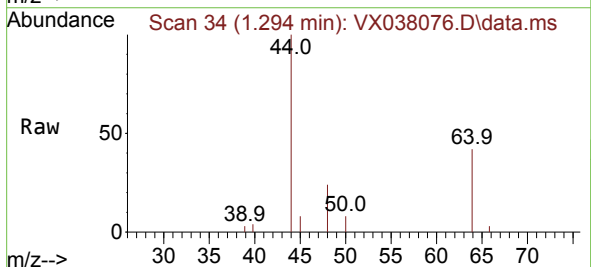
Instrument :
MSVOA_X
ClientSampleId :

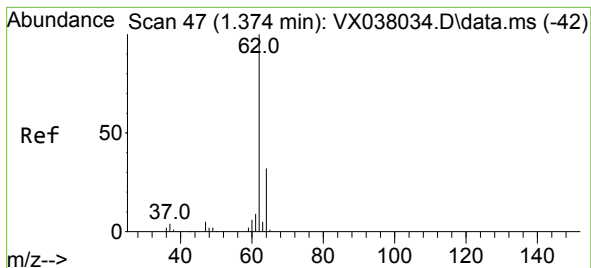
Tgt Ion:168 Resp: 95219
Ion Ratio Lower Upper
168 100
99 59.6 56.6 85.0



#3
Chloromethane
Concen: 0.265 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

Tgt Ion: 50 Resp: 331
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#4

Vinyl Chloride

Concen: 0.239 ug/l

RT: 1.624 min Scan# 81

Delta R.T. 0.250 min

Lab File: VX038076.D

Acq: 04 Oct 2023 19:28

Instrument :

MSVOA_X

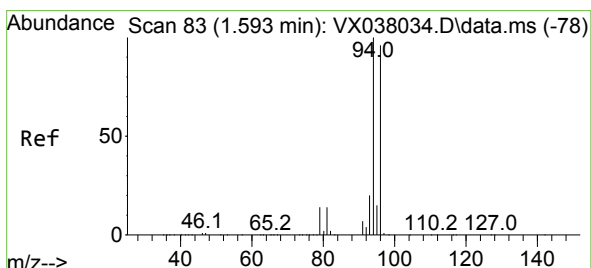
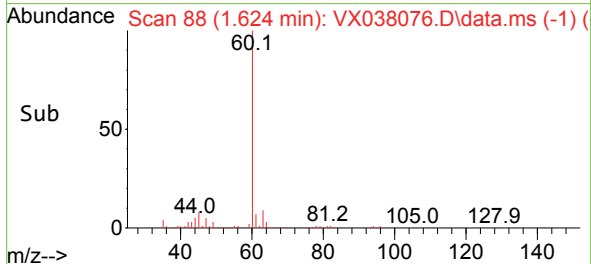
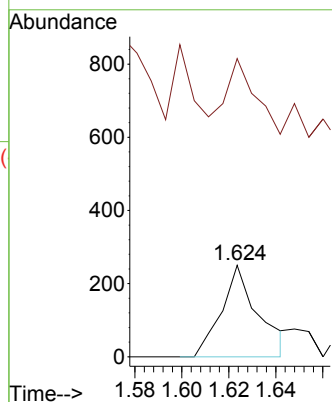
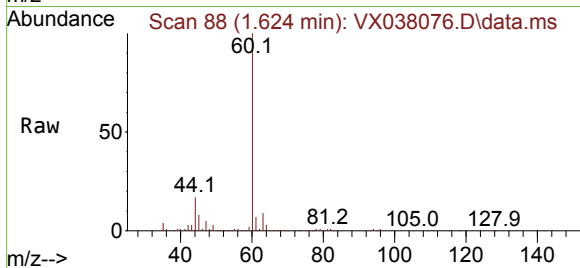
ClientSampleId :

Tgt Ion: 62 Resp: 270

Ion Ratio Lower Upper

62 100

64 82.8 25.4 38.0#



#5

Bromomethane

Concen: 0.256 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.006 min

Lab File: VX038076.D

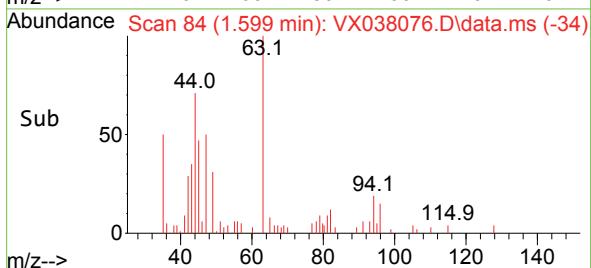
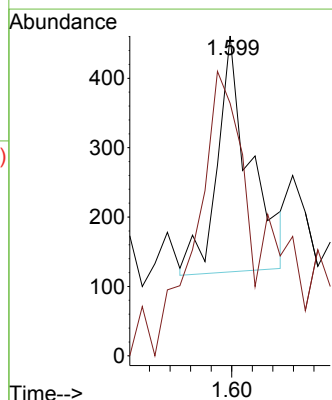
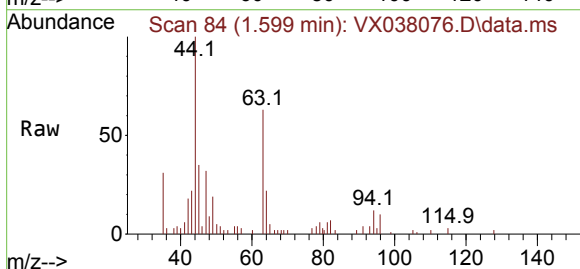
Acq: 04 Oct 2023 19:28

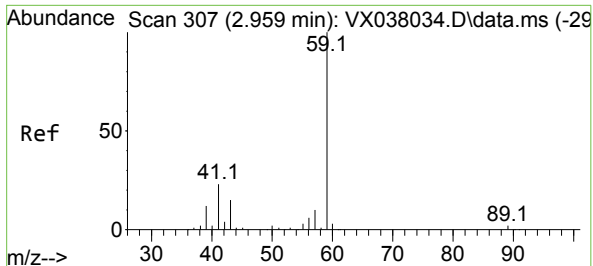
Tgt Ion: 94 Resp: 379

Ion Ratio Lower Upper

94 100

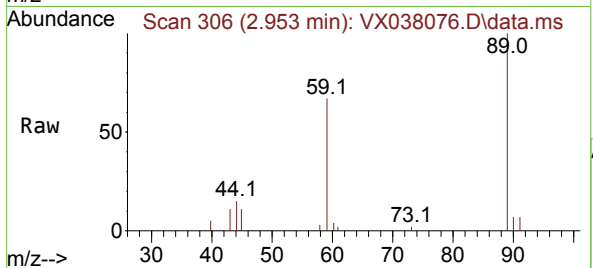
96 78.5 74.6 111.8



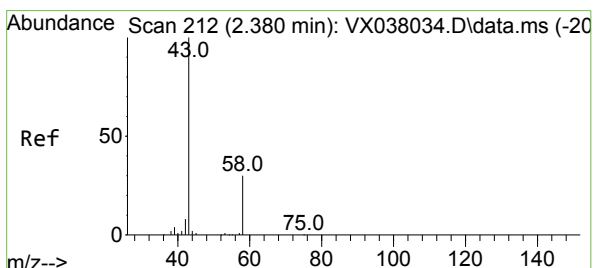
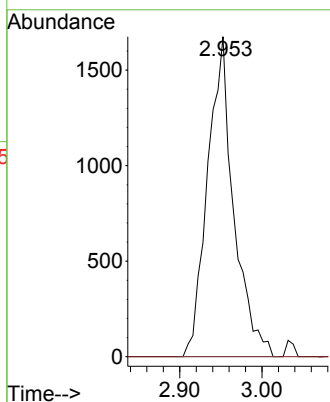
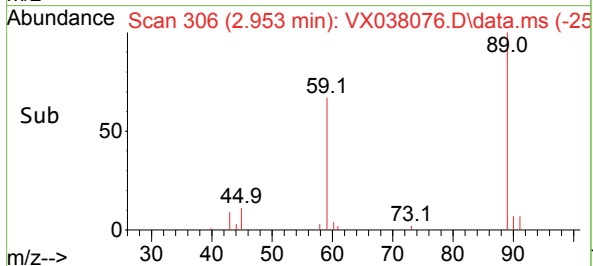


#11
Tert butyl alcohol
Concen: 11.118 ug/l
RT: 2.953 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

Instrument :
MSVOA_X
ClientSampleId :

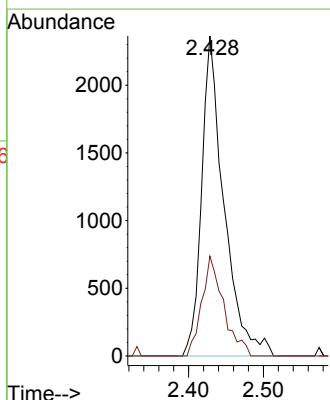
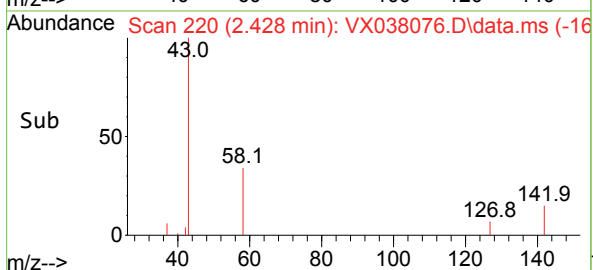
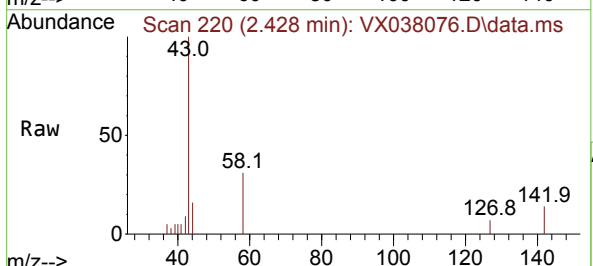


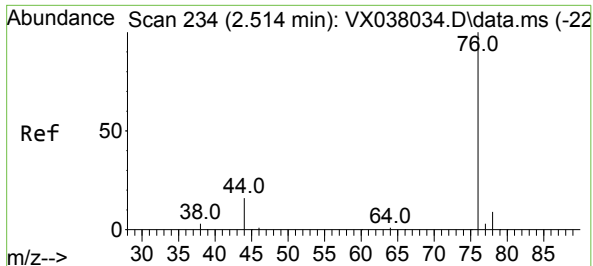
Tgt Ion: 59 Resp: 3700
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 7.546 ug/l
RT: 2.428 min Scan# 220
Delta R.T. 0.048 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

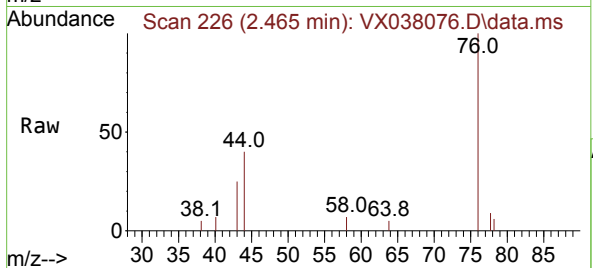
Tgt Ion: 43 Resp: 4910
Ion Ratio Lower Upper
43 100
58 31.2 21.9 32.9



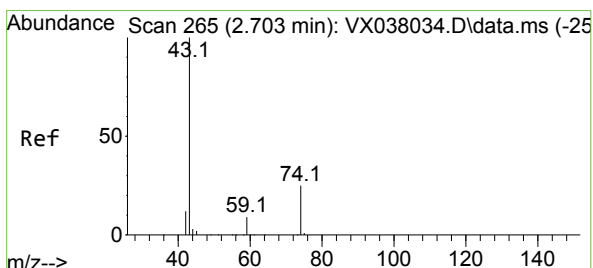
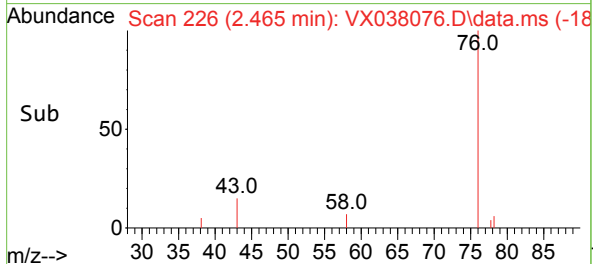
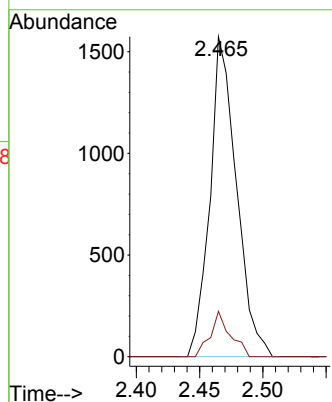


#17
Carbon Disulfide
Concen: 0.901 ug/l
RT: 2.465 min Scan# 211
Delta R.T. -0.049 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

Instrument :
MSVOA_X
ClientSampleId :

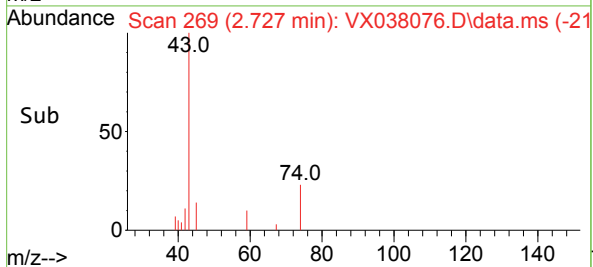
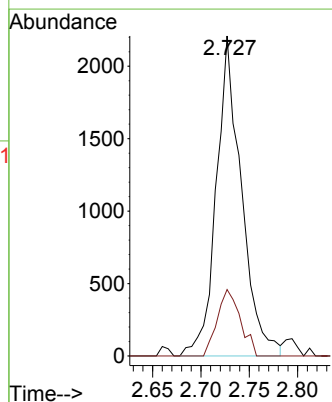
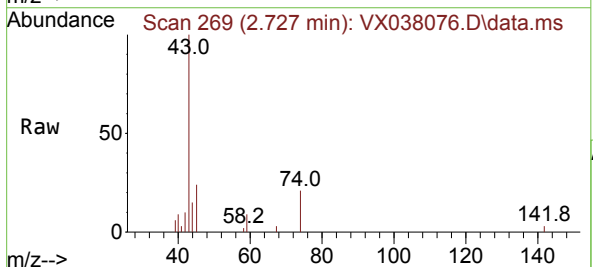


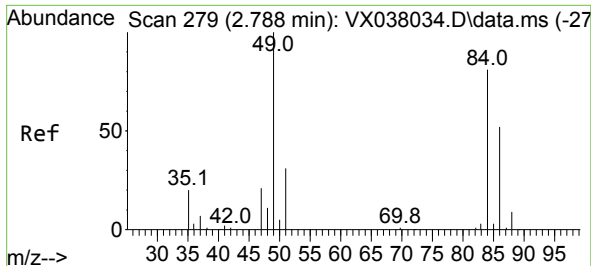
Tgt Ion: 76 Resp: 2297
Ion Ratio Lower Upper
76 100
78 14.2 7.0 10.6#



#18
Methyl Acetate
Concen: 1.430 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.024 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

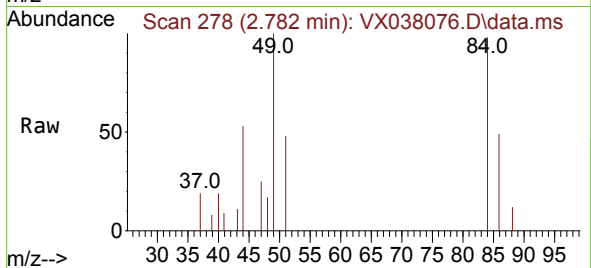
Tgt Ion: 43 Resp: 4001
Ion Ratio Lower Upper
43 100
74 19.0 17.8 26.8



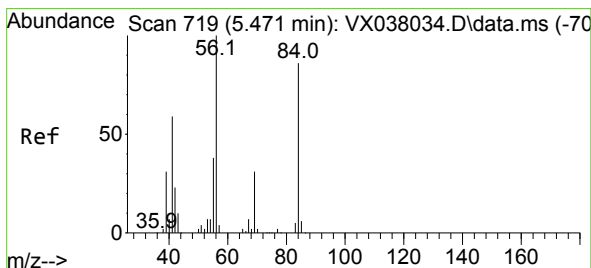
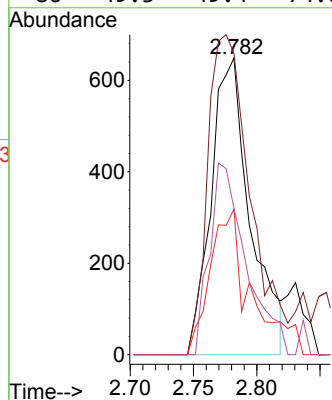


#20
Methylene Chloride
Concen: 0.666 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

Instrument :
MSVOA_X
ClientSampleId :

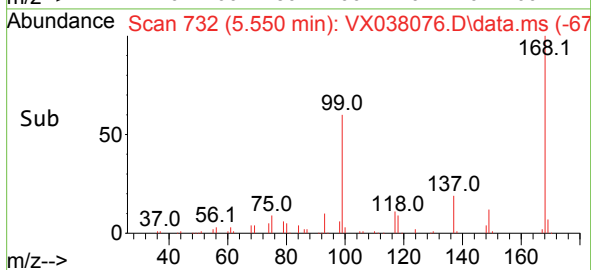
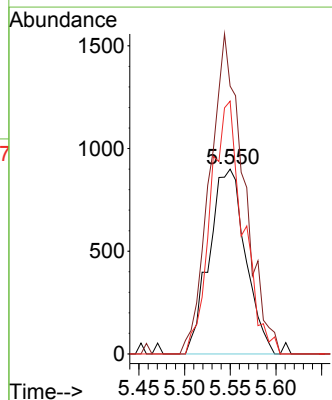
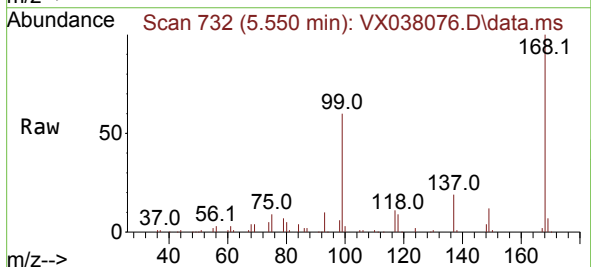


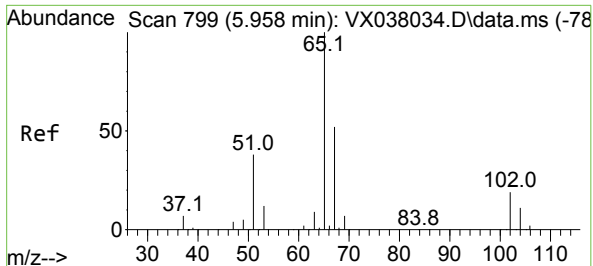
Tgt Ion: 84 Resp: 1397
Ion Ratio Lower Upper
84 100
49 101.5 103.6 155.4#
51 49.0 33.8 50.6
86 49.3 49.4 74.0#



#31
Cyclohexane
Concen: 1.431 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

Tgt Ion: 56 Resp: 2480
Ion Ratio Lower Upper
56 100
69 144.9 23.4 35.2#
84 136.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.629 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038076.D

Acq: 04 Oct 2023 19:28

Instrument :

MSVOA_X

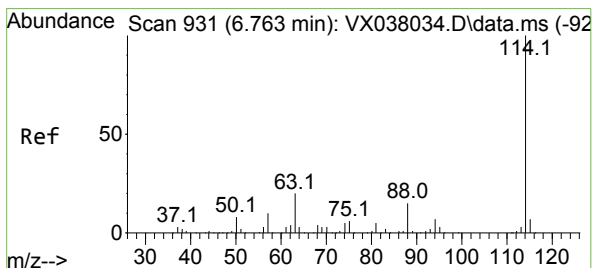
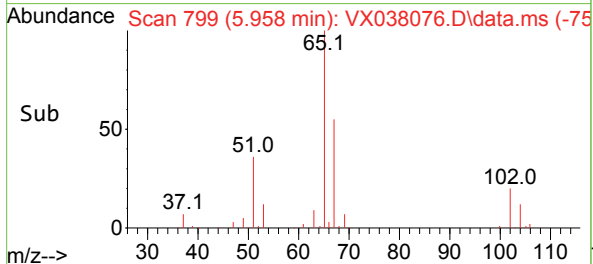
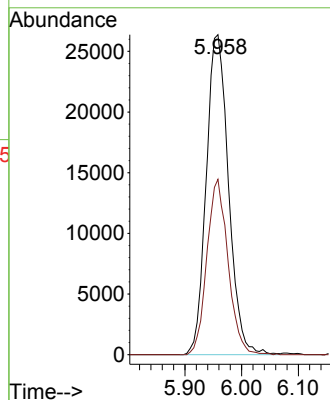
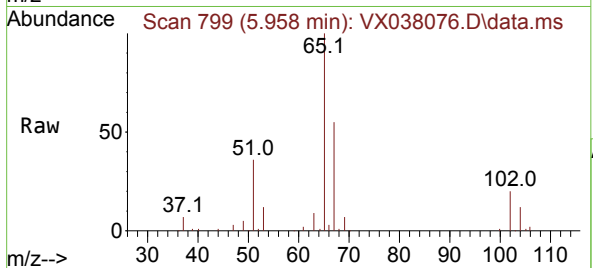
ClientSampleId :

Tgt Ion: 65 Resp: 72047

Ion Ratio Lower Upper

65 100

67 52.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX038076.D

Acq: 04 Oct 2023 19:28

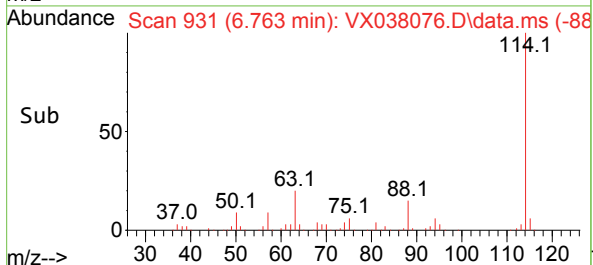
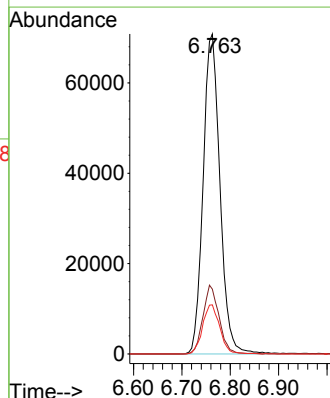
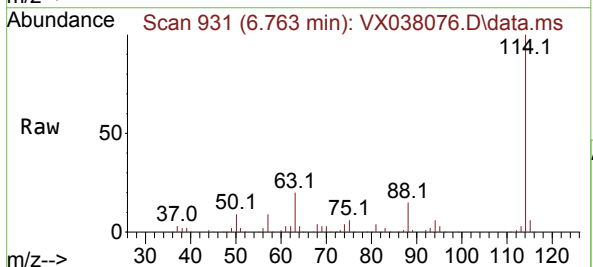
Tgt Ion: 114 Resp: 171346

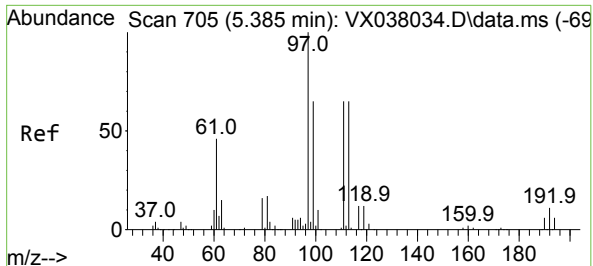
Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.0

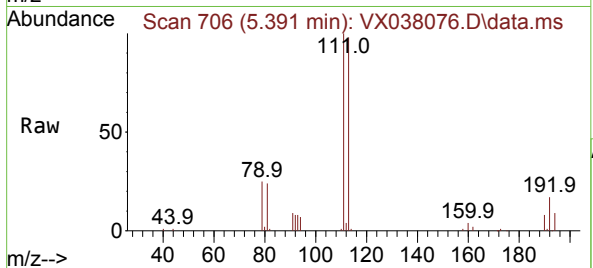
88 15.3 0.0 36.6



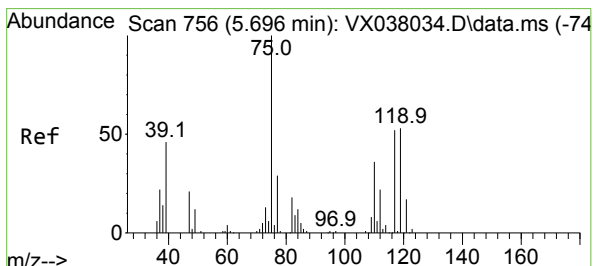
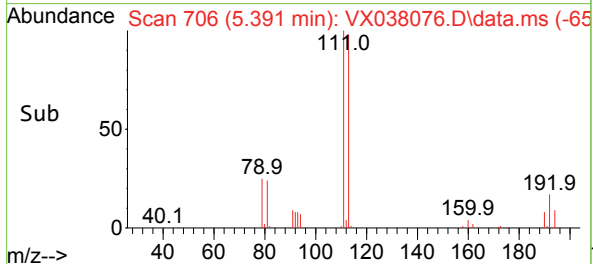
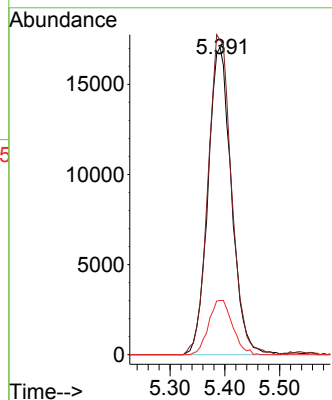


#35
Dibromofluoromethane
Concen: 42.957 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

Instrument :
MSVOA_X
ClientSampleId :

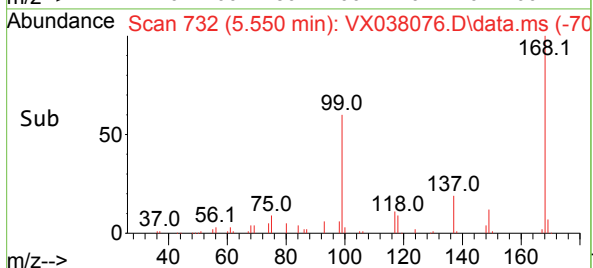
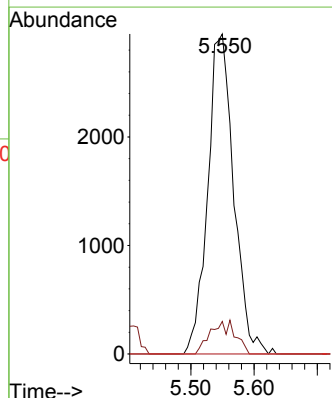
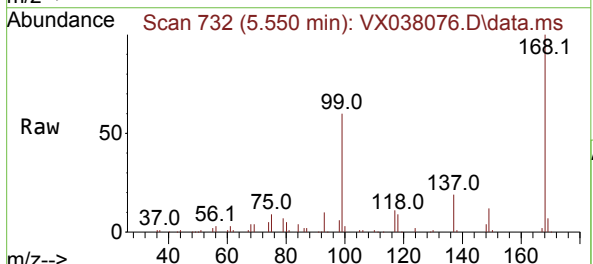


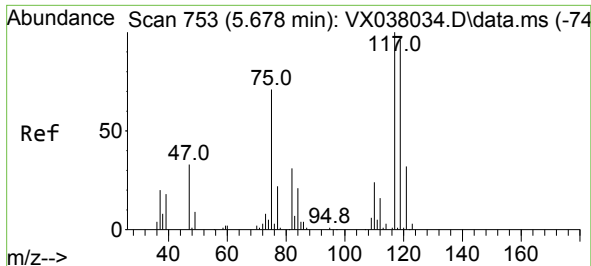
Tgt Ion:113 Resp: 50496
Ion Ratio Lower Upper
113 100
111 104.4 82.9 124.3
192 18.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.870 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

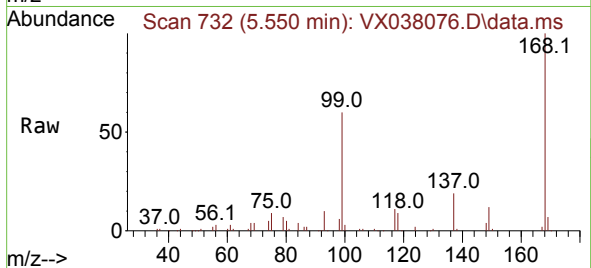
Tgt Ion: 75 Resp: 8436
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#



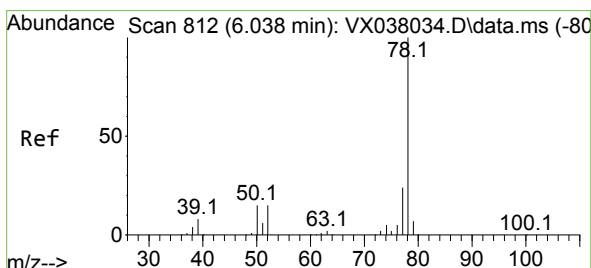
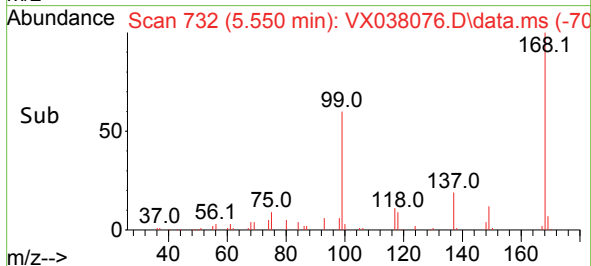
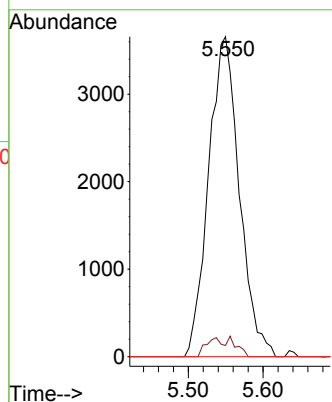


#38
Carbon Tetrachloride
Concen: 6.211 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

Instrument :
MSVOA_X
ClientSampleId :

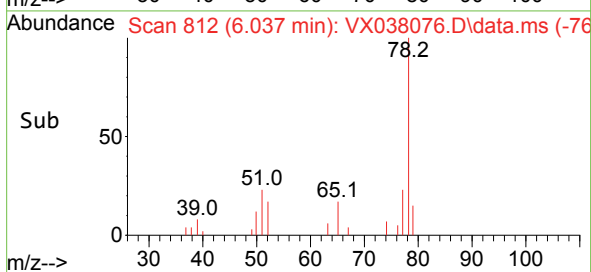
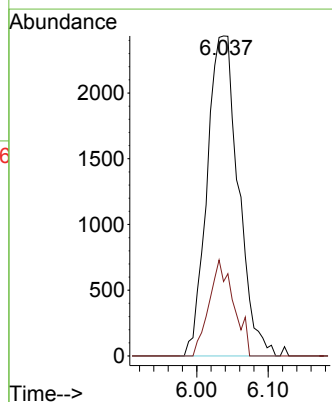
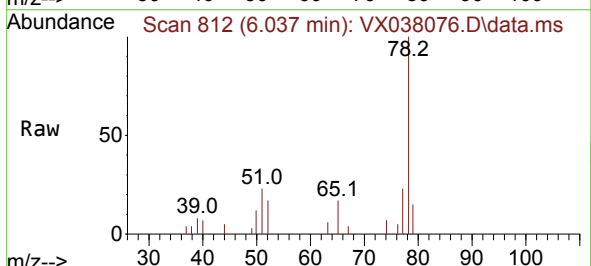


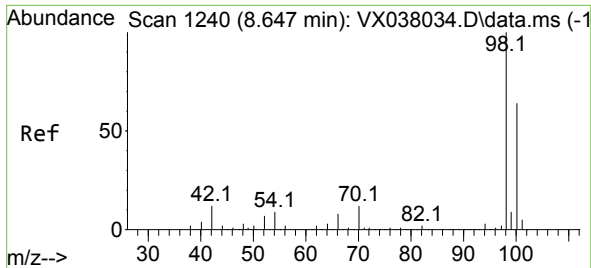
Tgt Ion:117 Resp: 10470
Ion Ratio Lower Upper
117 100
119 3.5 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 1.516 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

Tgt Ion: 78 Resp: 7409
Ion Ratio Lower Upper
78 100
77 23.3 19.3 28.9

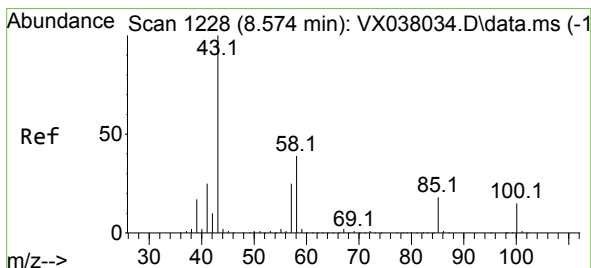
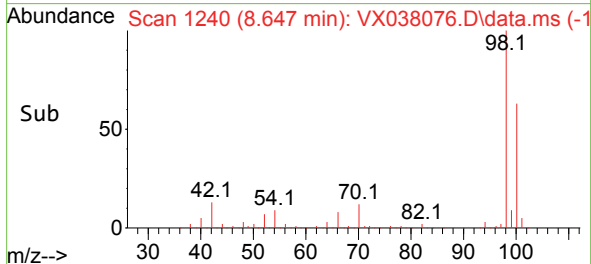
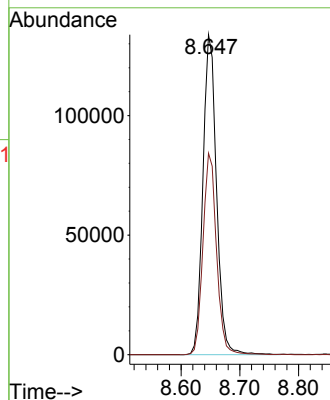
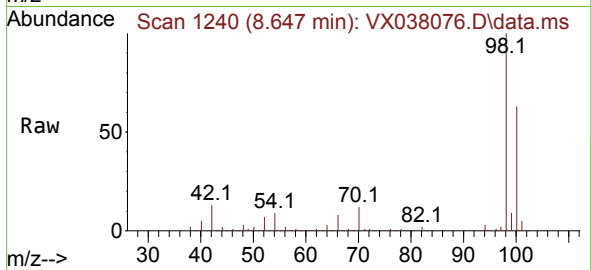




#50
Toluene-d8
Concen: 47.664 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

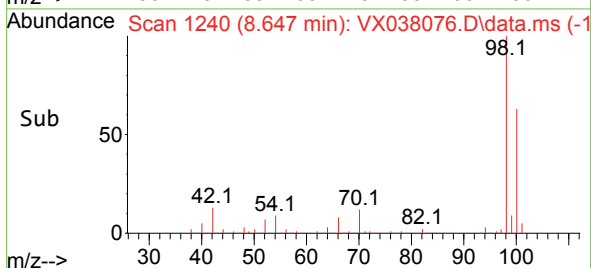
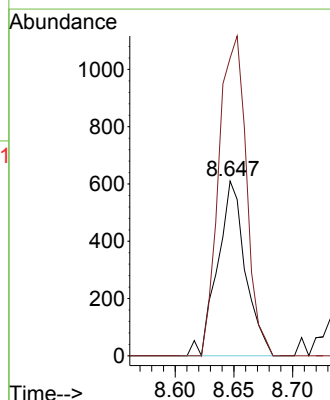
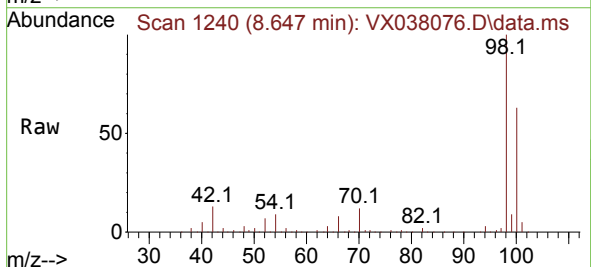
Instrument :
MSVOA_X
ClientSampleId :

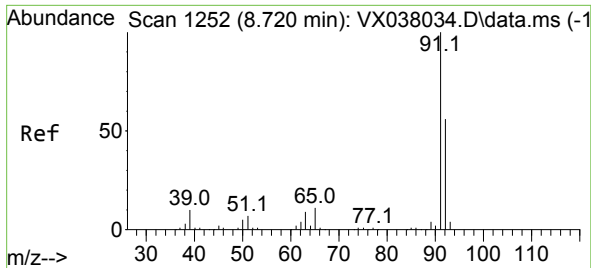
Tgt Ion: 98 Resp: 214425
Ion Ratio Lower Upper
98 100
100 62.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.479 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

Tgt Ion: 43 Resp: 1004
Ion Ratio Lower Upper
43 100
58 182.2 30.4 45.6#

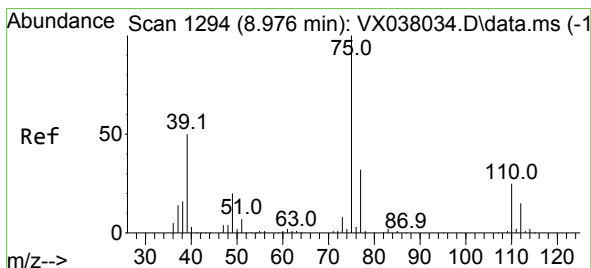
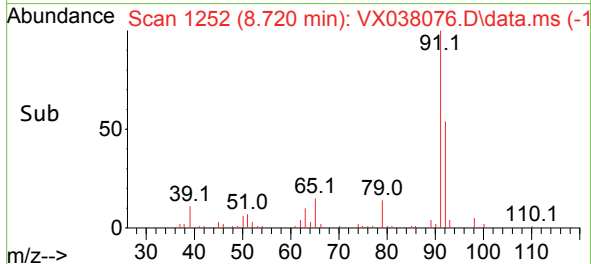
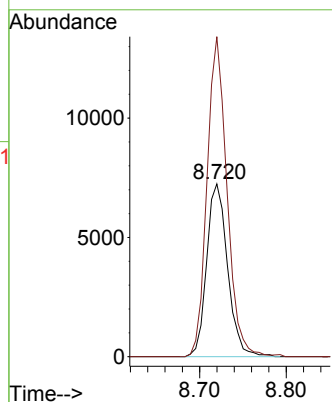
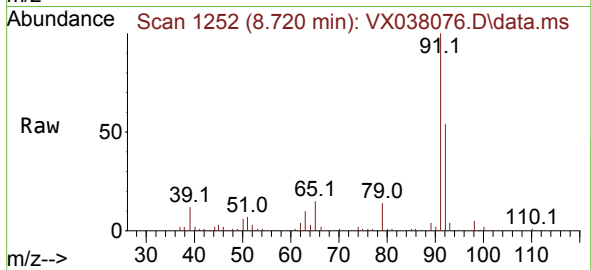




#52
Toluene
Concen: 3.847 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

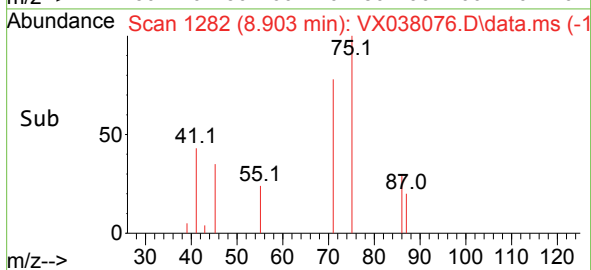
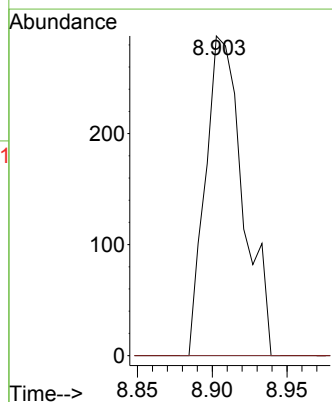
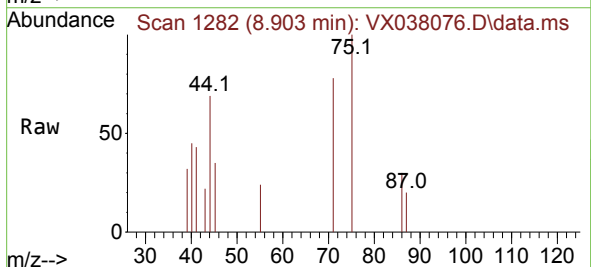
Instrument :
MSVOA_X
ClientSampleId :

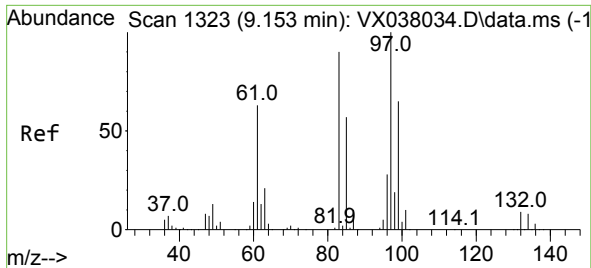
Tgt Ion: 92 Resp: 12167
Ion Ratio Lower Upper
92 100
91 176.7 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.285 ug/l
RT: 8.903 min Scan# 1282
Delta R.T. -0.073 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

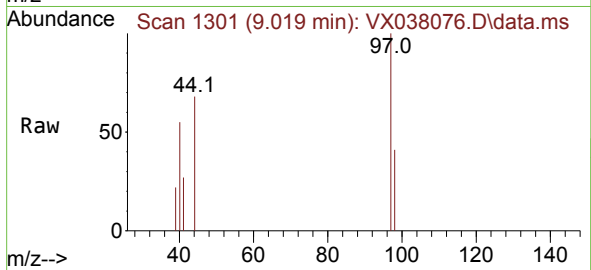
Tgt Ion: 75 Resp: 503
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



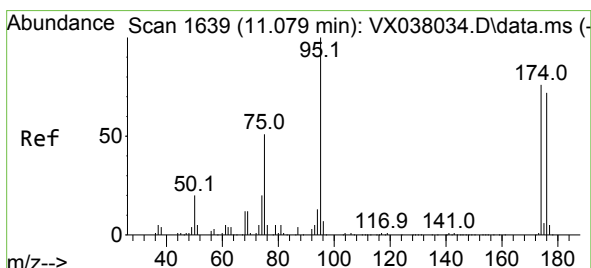
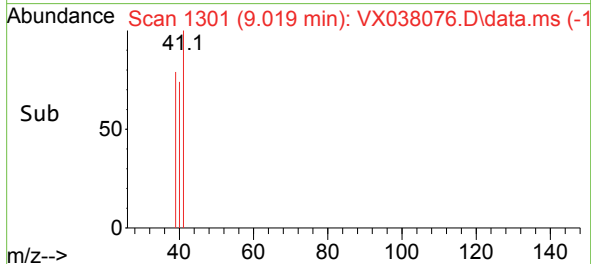
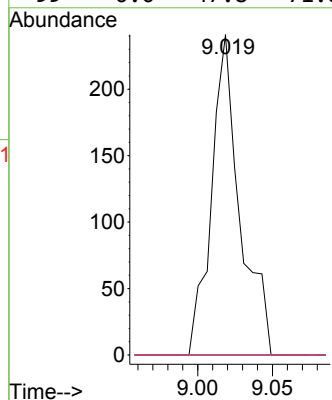


#55
1,1,2-Trichloroethane
Concen: 0.248 ug/l
RT: 9.019 min Scan# 11
Delta R.T. -0.134 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

Instrument :
MSVOA_X
ClientSampleId :

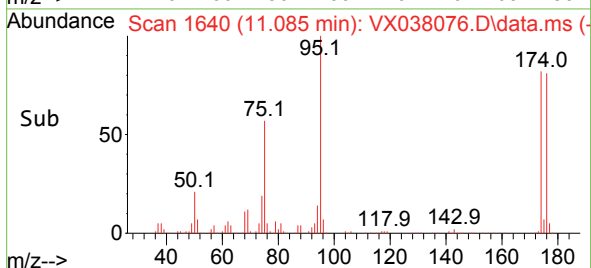
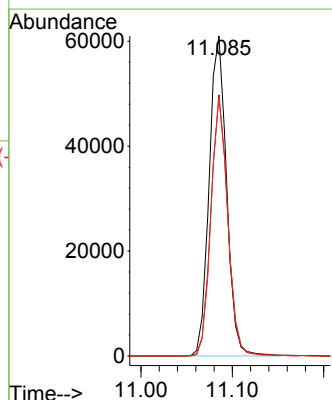
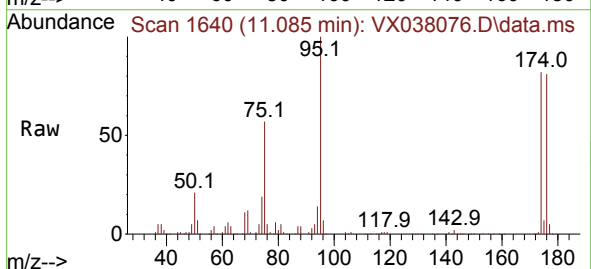


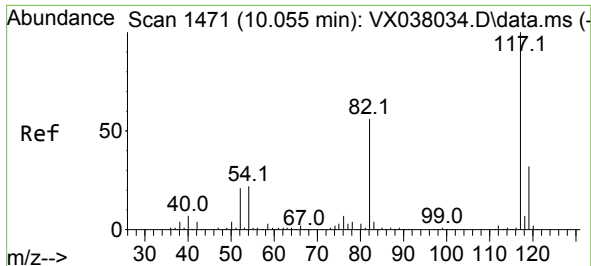
Tgt Ion: 97	Resp: 319
Ion Ratio	Lower Upper
97 100	
83 0.0	65.8 98.8#
85 0.0	41.6 62.4#
99 0.0	47.8 71.8#



#62
4-Bromofluorobenzene
Concen: 49.156 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

Tgt Ion: 95	Resp: 80481
Ion Ratio	Lower Upper
95 100	
174 79.0	0.0 135.6
176 78.0	0.0 131.0

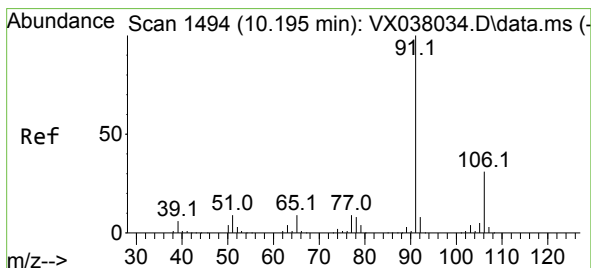
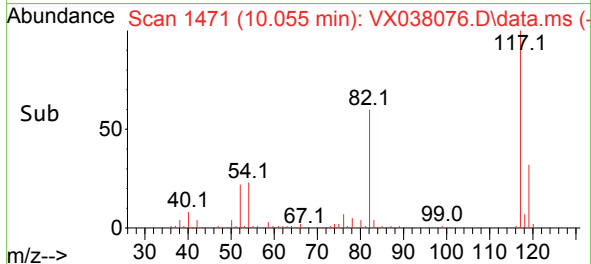
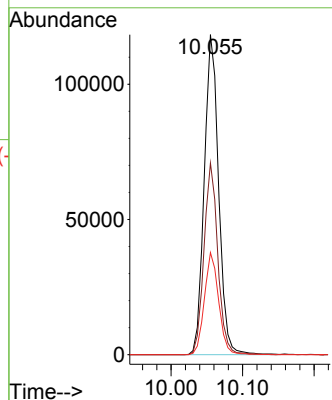
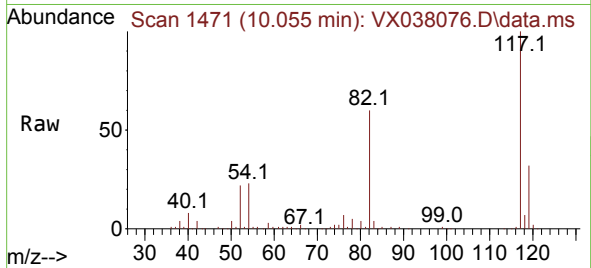




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

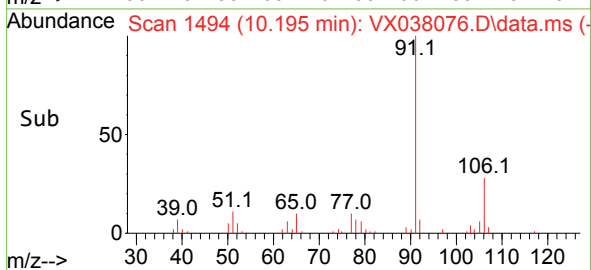
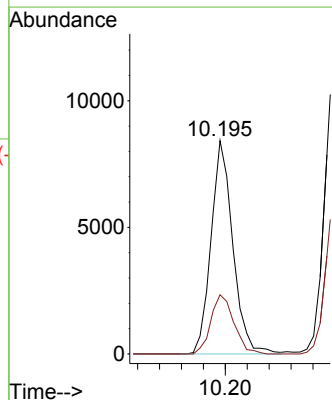
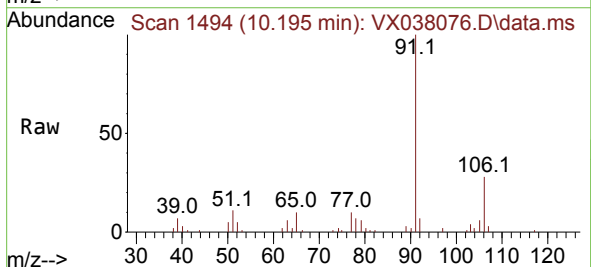
Instrument :
MSVOA_X
ClientSampleId :

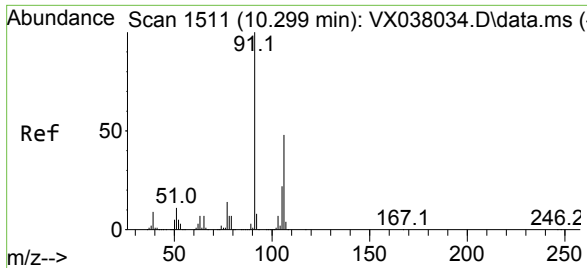
Tgt Ion:117 Resp: 165717
Ion Ratio Lower Upper
117 100
82 59.9 46.2 69.4
119 31.9 25.5 38.3



#67
Ethyl Benzene
Concen: 1.860 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

Tgt Ion: 91 Resp: 11638
Ion Ratio Lower Upper
91 100
106 27.8 24.9 37.3

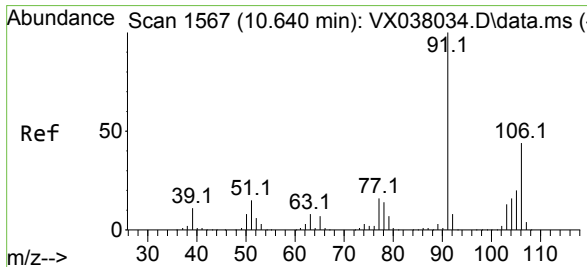
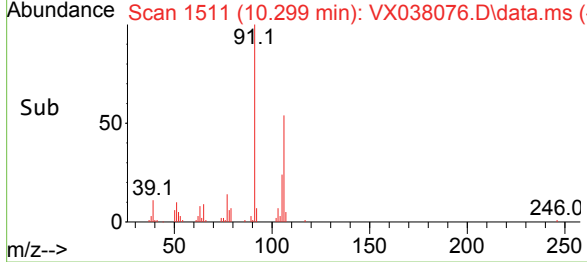
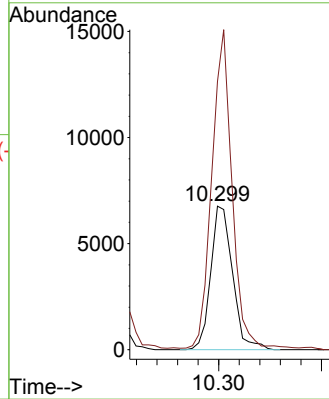
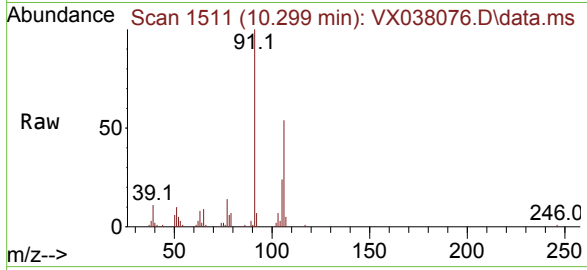




#68
m/p-Xylenes
Concen: 4.155 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

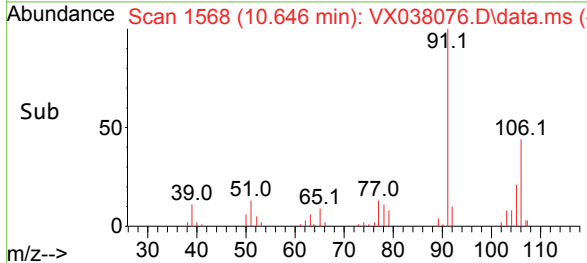
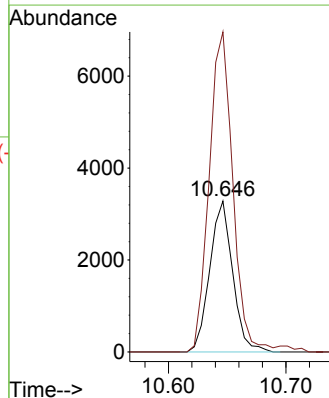
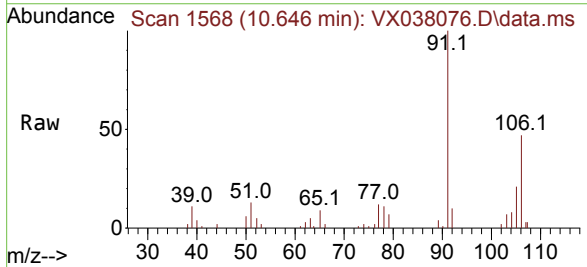
Instrument :
MSVOA_X
ClientSampleId :

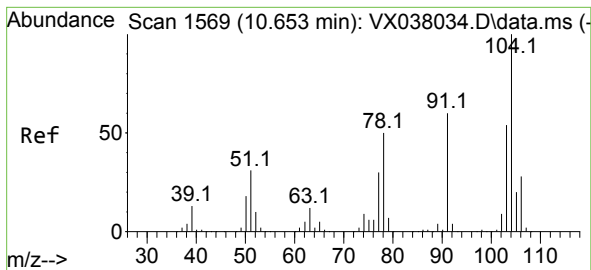
Tgt Ion:106 Resp: 9958
Ion Ratio Lower Upper
106 100
91 204.9 165.5 248.3



#69
o-Xylene
Concen: 1.958 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

Tgt Ion:106 Resp: 4457
Ion Ratio Lower Upper
106 100
91 221.2 108.9 326.8





#70

Styrene

Concen: 0.912 ug/l

RT: 10.665 min Scan# 1571

Delta R.T. 0.012 min

Lab File: VX038076.D

Acq: 04 Oct 2023 19:28

Instrument :

MSVOA_X

ClientSampleId :

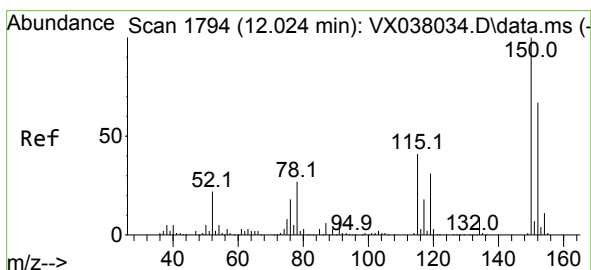
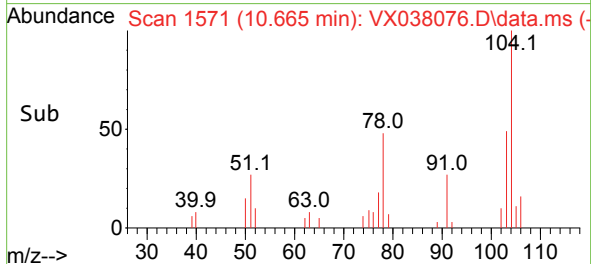
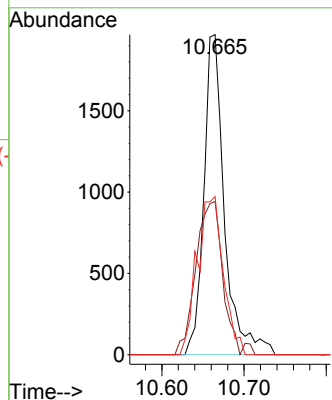
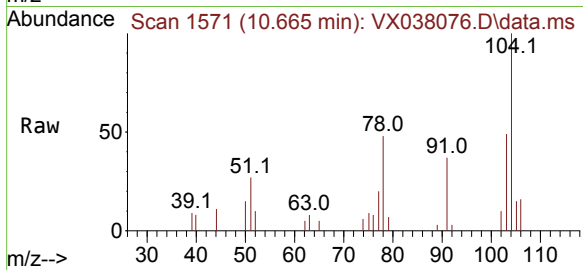
Tgt Ion:104 Resp: 3429

Ion Ratio Lower Upper

104 100

78 63.1 43.6 65.4

103 62.6 43.6 65.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX038076.D

Acq: 04 Oct 2023 19:28

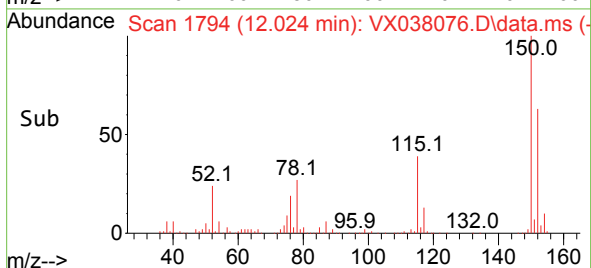
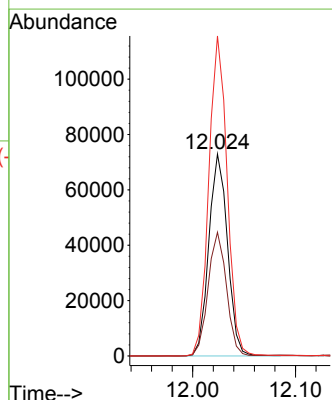
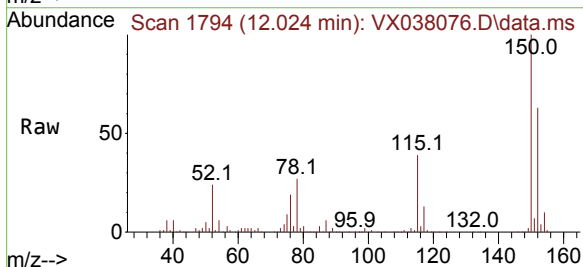
Tgt Ion:152 Resp: 92154

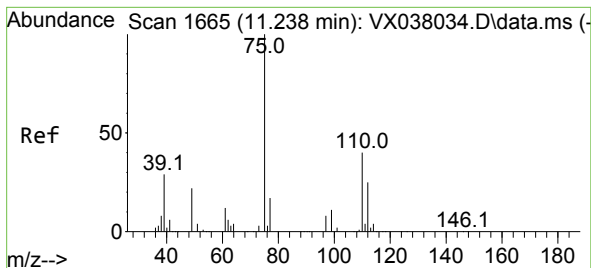
Ion Ratio Lower Upper

152 100

115 60.4 43.3 129.9

150 155.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.578 ug/l

RT: 11.085 min Scan# 1

Delta R.T. -0.153 min

Lab File: VX038076.D

Acq: 04 Oct 2023 19:28

Instrument :

MSVOA_X

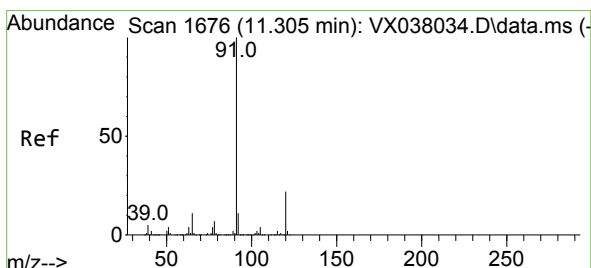
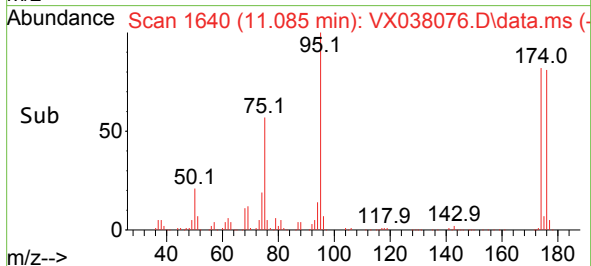
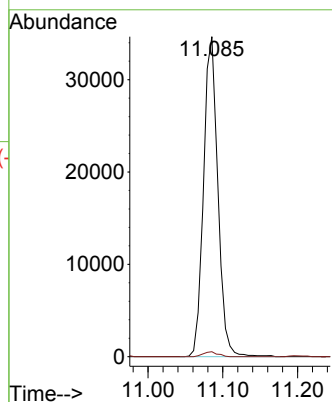
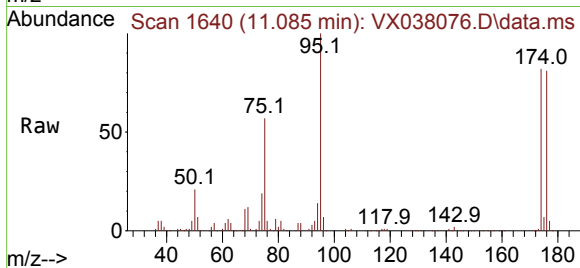
ClientSampleId :

Tgt Ion: 75 Resp: 46064

Ion Ratio Lower Upper

75 100

77 1.6 19.1 57.5#



#78

n-propylbenzene

Concen: 0.302 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VX038076.D

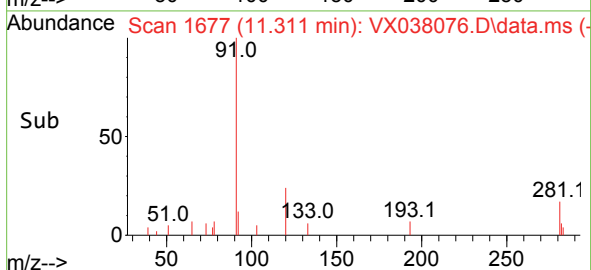
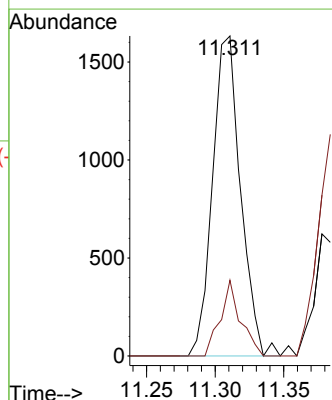
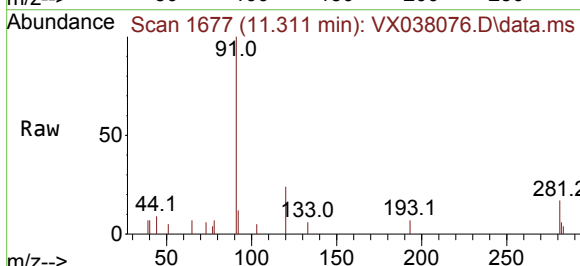
Acq: 04 Oct 2023 19:28

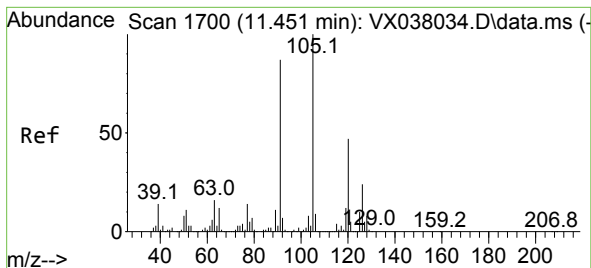
Tgt Ion: 91 Resp: 2321

Ion Ratio Lower Upper

91 100

120 17.1 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 1.292 ug/l

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX038076.D

Acq: 04 Oct 2023 19:28

Instrument :

MSVOA_X

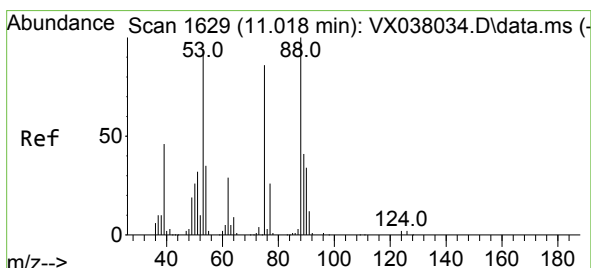
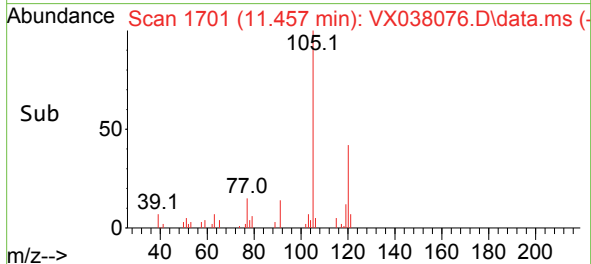
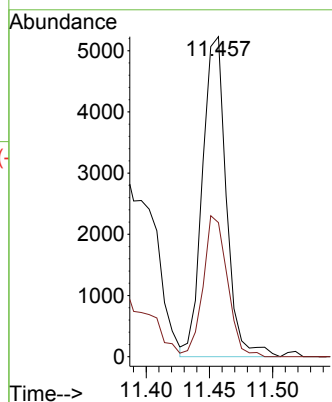
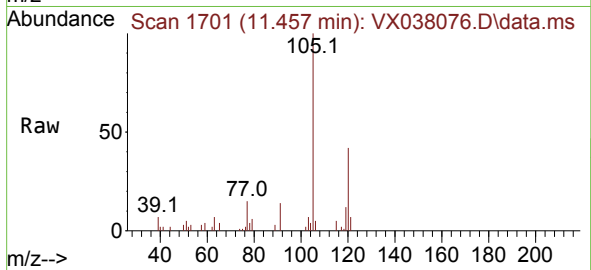
ClientSampleId :

Tgt Ion:105 Resp: 6879

Ion Ratio Lower Upper

105 100

120 44.7 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 72.875 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX038076.D

Acq: 04 Oct 2023 19:28

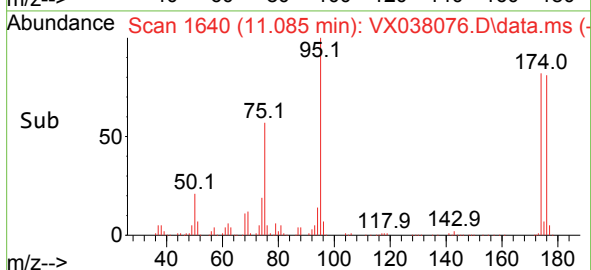
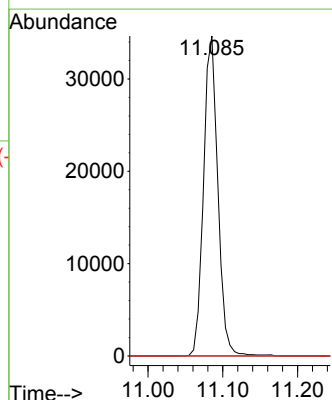
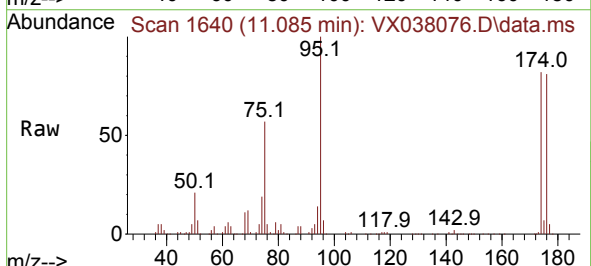
Tgt Ion: 75 Resp: 46064

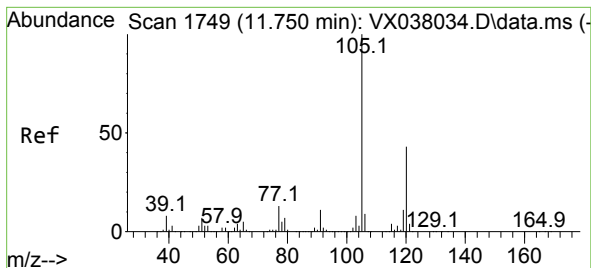
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 2.638 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX038076.D

Acq: 04 Oct 2023 19:28

Instrument :

MSVOA_X

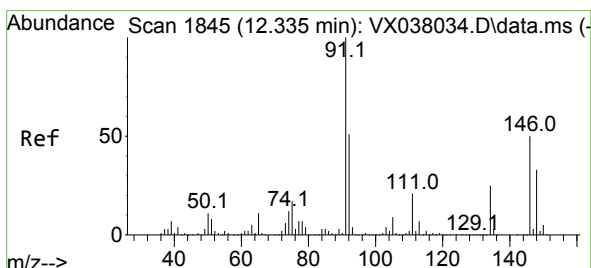
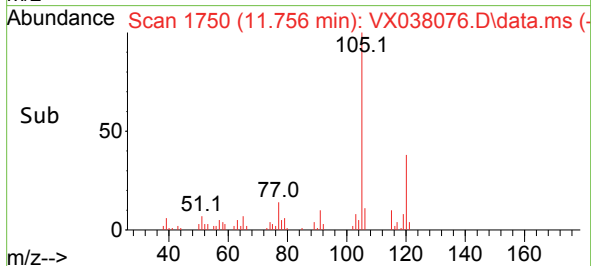
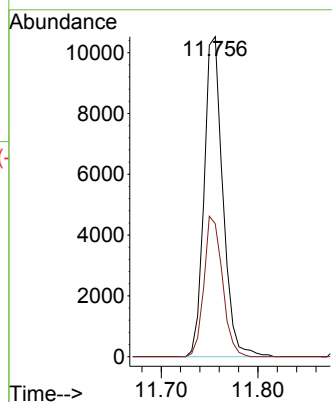
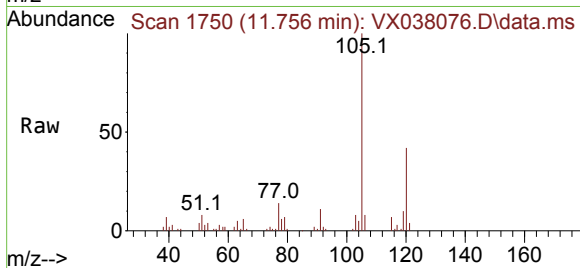
ClientSampleId :

Tgt Ion:105 Resp: 14162

Ion Ratio Lower Upper

105 100

120 43.3 21.2 63.6



#89

n-Butylbenzene

Concen: 0.290 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX038076.D

Acq: 04 Oct 2023 19:28

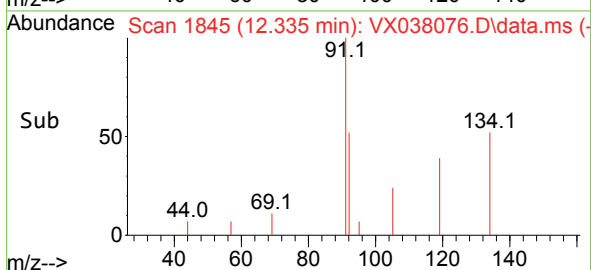
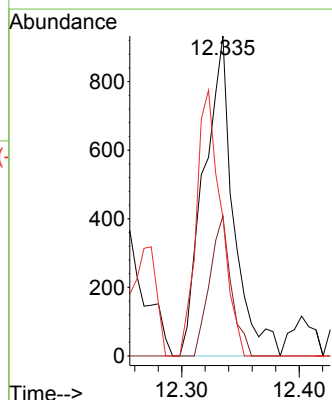
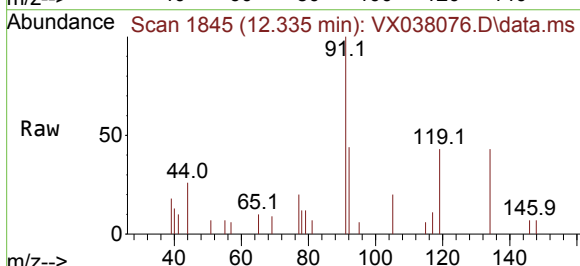
Tgt Ion: 91 Resp: 1628

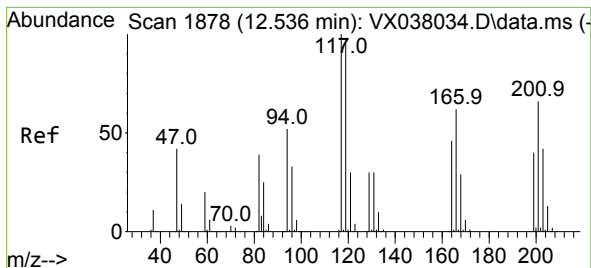
Ion Ratio Lower Upper

91 100

92 31.9 27.4 82.0

134 69.5 12.6 37.8#





#90

Hexachloroethane

Concen: 0.433 ug/l

RT: 12.555 min Scan# 1881

Delta R.T. 0.018 min

Lab File: VX038076.D

Acq: 04 Oct 2023 19:28

Instrument :

MSVOA_X

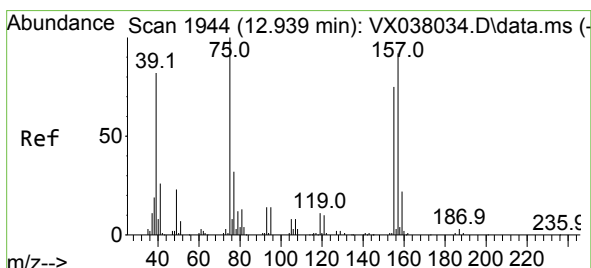
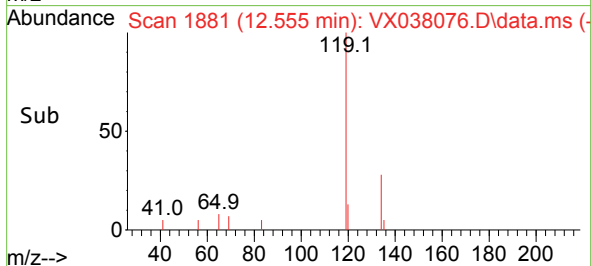
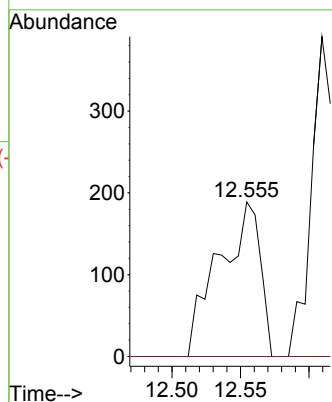
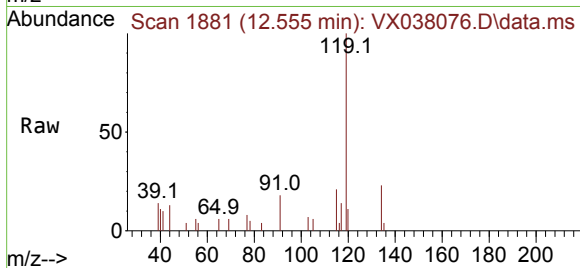
ClientSampleId :

Tgt Ion:117 Resp: 397

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.867 ug/l

RT: 12.969 min Scan# 1949

Delta R.T. 0.030 min

Lab File: VX038076.D

Acq: 04 Oct 2023 19:28

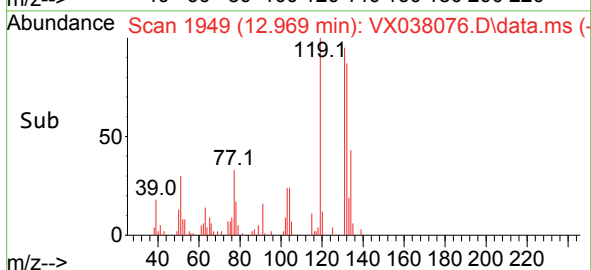
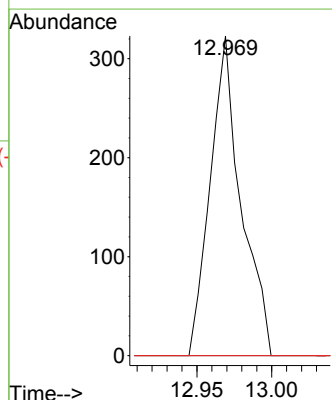
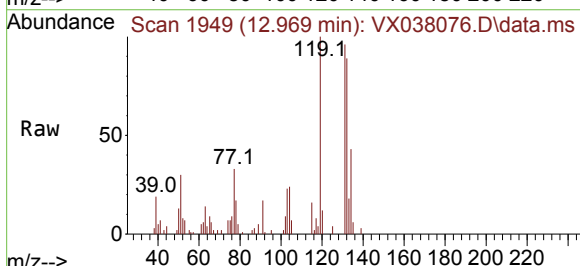
Tgt Ion: 75 Resp: 462

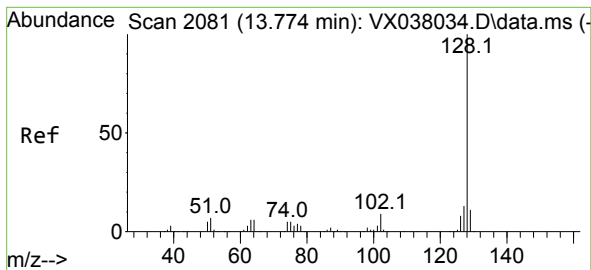
Ion Ratio Lower Upper

75 100

155 0.0 36.1 108.5#

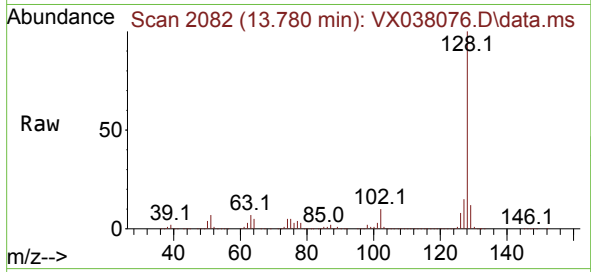
157 0.0 44.9 134.7#





#95
Naphthalene
Concen: 640.593 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX038076.D
Acq: 04 Oct 2023 19:28

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 4382743
Ion Ratio Lower Upper
128 100
127 14.0 10.3 15.5
129 11.8 8.8 13.2

