

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077031.D
 Acq On : 17 Mar 2023 12:14
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Mar 18 01:33:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 01:17:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	360741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	649655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	544143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	199029	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	269812	46.825	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.640%
35) Dibromofluoromethane	8.172	113	207785	47.138	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.280%
50) Toluene-d8	10.572	98	775329	47.707	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.420%
62) 4-Bromofluorobenzene	12.854	95	246322	42.892	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.780%

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.137	85	722	Below Cal	#	42
3) Chloromethane	2.372	50	979	0.269	ug/l	94
5) Bromomethane	3.001	94	2487	0.938	ug/l	86
10) Methyl Iodide	4.601	142	1380	0.256	ug/l	# 61
13) Acrolein	4.190	56	1638	1.577	ug/l	# 75
15) Acrylonitrile	5.742	53	3293	1.167	ug/l	# 83
16) Acetone	4.454	43	1180	0.460	ug/l	# 77
17) Carbon Disulfide	4.725	76	8826	0.691	ug/l	99
20) Methylene Chloride	5.278	84	1149	0.206	ug/l	# 89
21) trans-1,2-Dichloroethene	5.807	96	1445	0.304	ug/l	# 81
23) Vinyl Acetate	6.619	43	2443	0.226	ug/l	# 73
25) 2-Butanone	7.501	43	2274	0.605	ug/l	97
29) Tetrahydrofuran	7.866	42	606	0.249	ug/l	# 92
31) Cyclohexane	8.231	56	10541	1.118	ug/l	# 1
36) 1,1-Dichloropropene	8.372	75	1575	0.222	ug/l	# 66
38) Carbon Tetrachloride	8.231	117	41136	5.943	ug/l	# 14
49) 1,4-Dioxane	9.707	88	62	0.639	ug/l	# 21
51) 4-Methyl-2-Pentanone	10.448	43	2351	0.318	ug/l	95
59) 2-Hexanone	11.195	43	4797	0.894	ug/l	100
64) Tetrachloroethene	11.101	164	936	0.256	ug/l	# 75
65) Chlorobenzene	11.895	112	3658	0.292	ug/l	# 77
68) m/p-Xylenes	12.071	106	3299	0.391	ug/l	97
70) Styrene	12.419	104	3077	0.236	ug/l	89
74) N-amyl acetate	12.495	43	2677	0.347	ug/l	# 88
76) 1,2,3-Trichloropropane	12.854	75	131311	25.503	ug/l	# 1
77) Bromobenzene	12.989	156	1810	0.453	ug/l	98
78) n-propylbenzene	13.042	91	6171	0.300	ug/l	95
79) 2-Chlorotoluene	13.130	91	4021	0.306	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.854	75	131311	70.208	ug/l	# 10
82) 4-Chlorotoluene	13.224	91	6193	0.496	ug/l	95
83) tert-Butylbenzene	13.442	119	2546	0.204	ug/l	94
84) 1,2,4-Trimethylbenzene	13.483	105	3531	0.238	ug/l	96
85) sec-Butylbenzene	13.618	105	4640	0.261	ug/l	87
86) p-Isopropyltoluene	13.736	119	3407	0.239	ug/l	93
87) 1,3-Dichlorobenzene	13.736	146	4210	0.557	ug/l	86
88) 1,4-Dichlorobenzene	13.736	146	4210	0.560	ug/l	85

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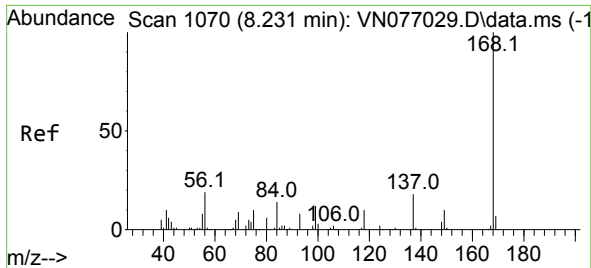
Quant Time: Mar 18 01:33:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 18 01:17:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	14.060	91	6779	0.541	ug/l	96
91) 1,2-Dichlorobenzene	14.113	146	4138	0.550	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.724	75	867	0.724	ug/l	75
93) 1,2,4-Trichlorobenzene	15.395	180	5310	1.560	ug/l	97
94) Hexachlorobutadiene	15.501	225	1008	0.538	ug/l	76
95) Naphthalene	15.648	128	23921	3.652	ug/l	97
96) 1,2,3-Trichlorobenzene	15.848	180	6736	1.973	ug/l	100

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

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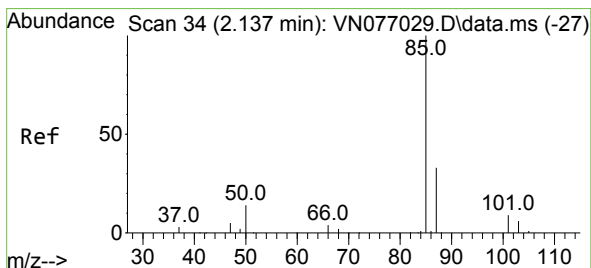
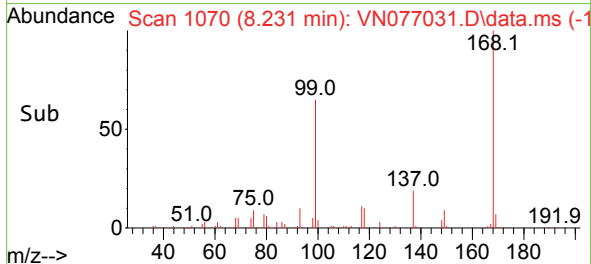
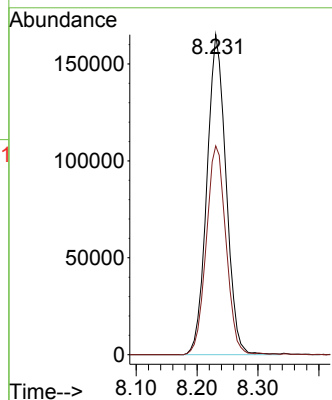
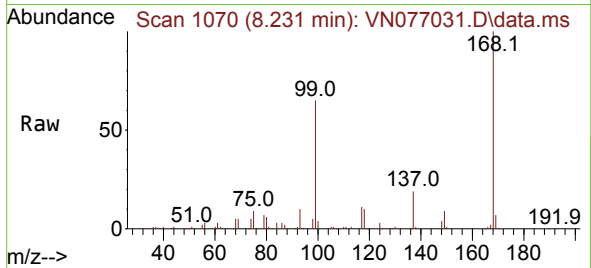




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

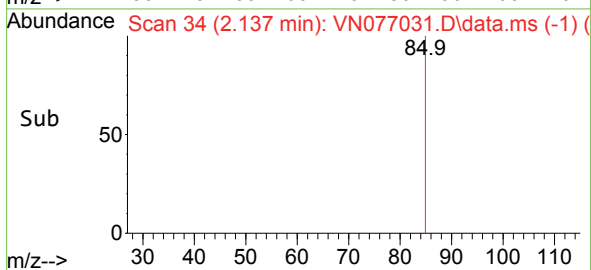
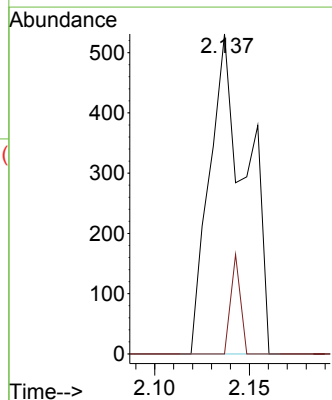
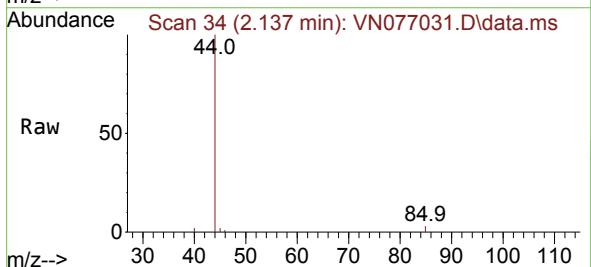
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MSVOA_N
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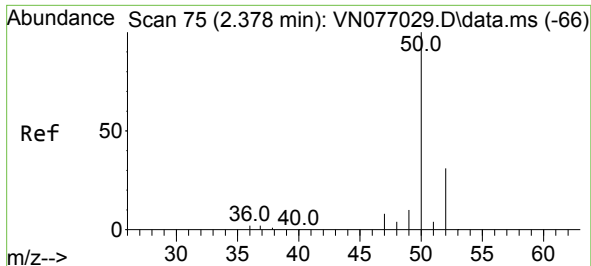
Tgt Ion:168 Resp: 360741
Ion Ratio Lower Upper
168 100
99 65.3 53.9 80.9



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

Tgt Ion: 85 Resp: 722
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

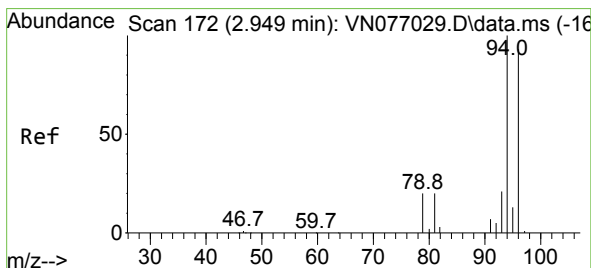
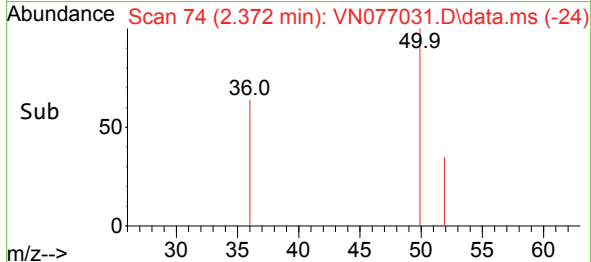
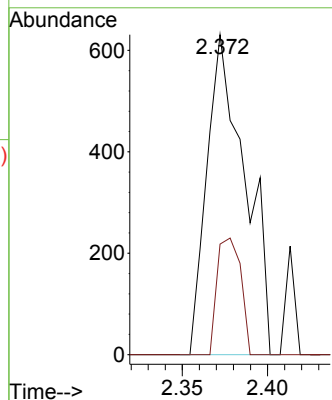
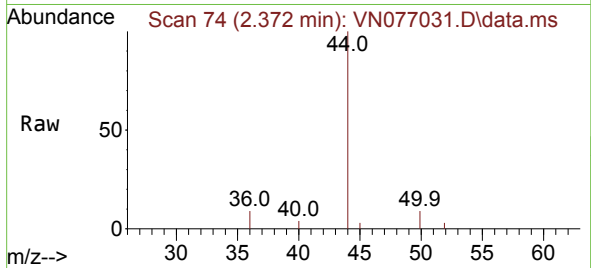




#3
Chloromethane
Concen: 0.269 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

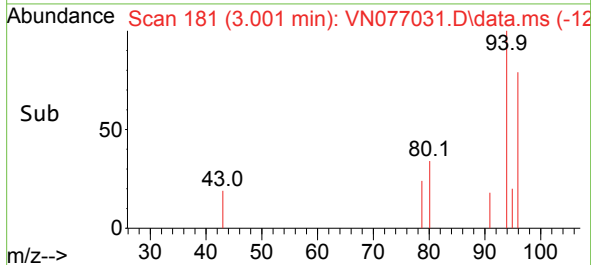
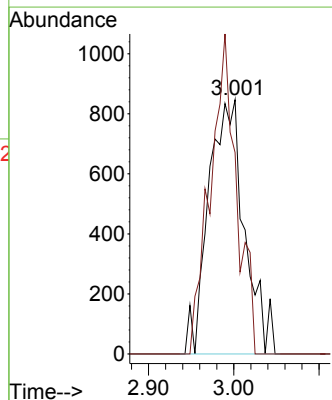
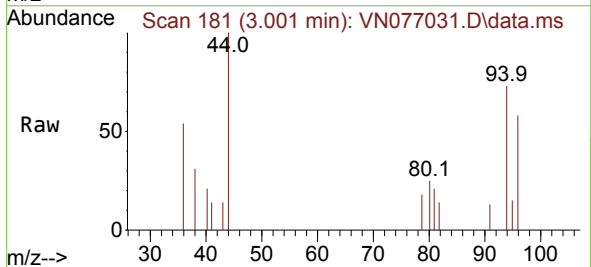
Instrument :
MSVOA_N
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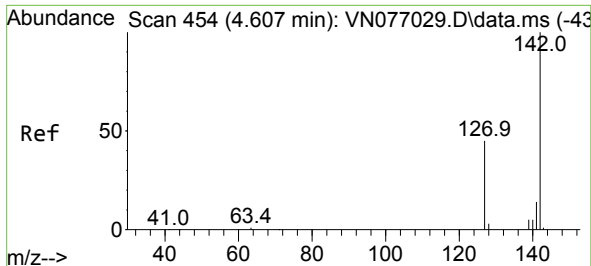
Tgt Ion: 50 Resp: 979
Ion Ratio Lower Upper
50 100
52 34.5 25.1 37.7



#5
Bromomethane
Concen: 0.938 ug/l
RT: 3.001 min Scan# 181
Delta R.T. 0.053 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

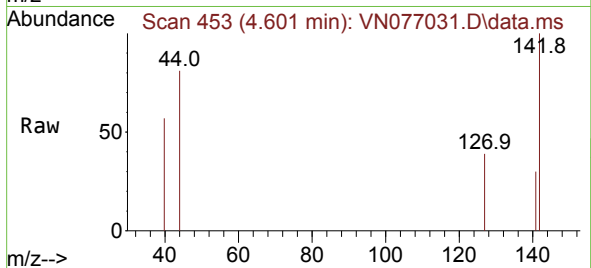
Tgt Ion: 94 Resp: 2487
Ion Ratio Lower Upper
94 100
96 79.2 74.1 111.1



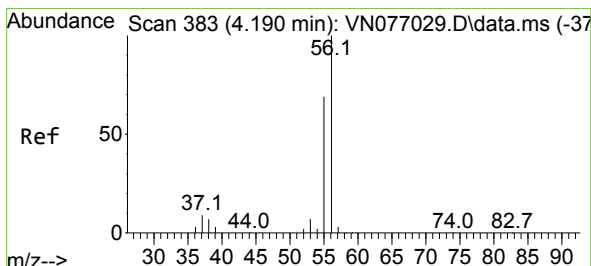
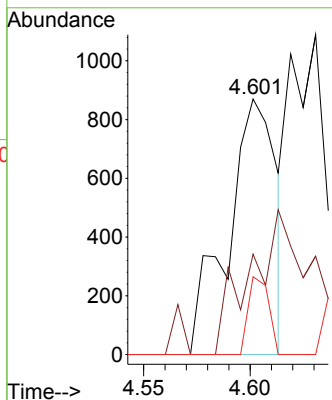
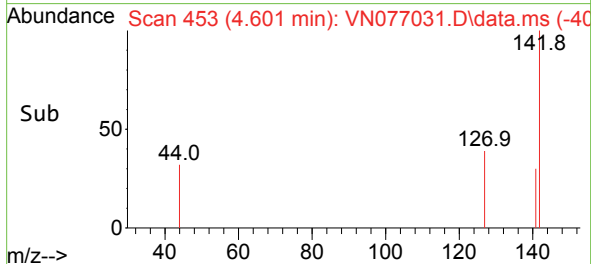


#10
Methyl Iodide
Concen: 0.256 ug/l
RT: 4.601 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

Instrument :
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ClientSampleId :
IBLK

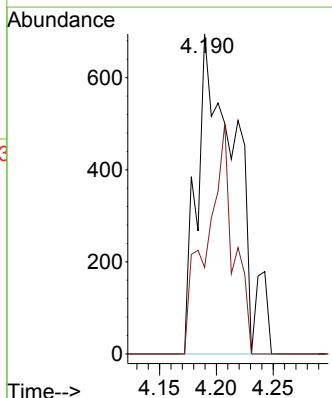
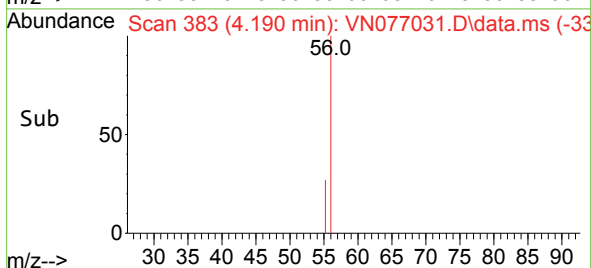
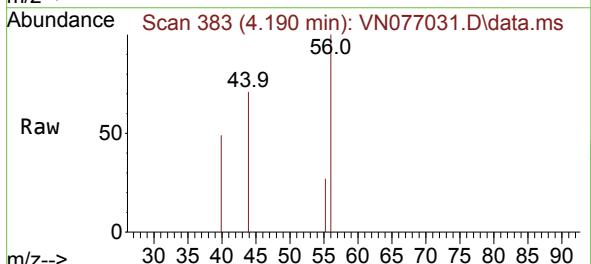


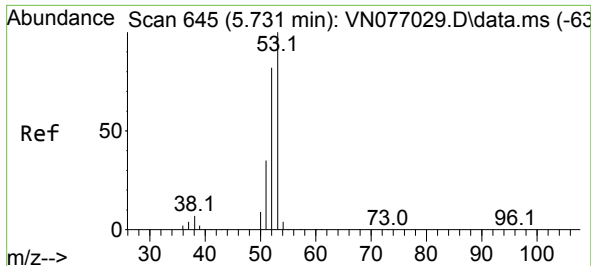
Tgt Ion:142 Resp: 1380
Ion Ratio Lower Upper
142 100
127 19.8 36.1 54.1#
141 30.5 10.8 16.2#



#13
Acrolein
Concen: 1.577 ug/l
RT: 4.190 min Scan# 383
Delta R.T. 0.000 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

Tgt Ion: 56 Resp: 1638
Ion Ratio Lower Upper
56 100
55 50.7 57.0 85.6#

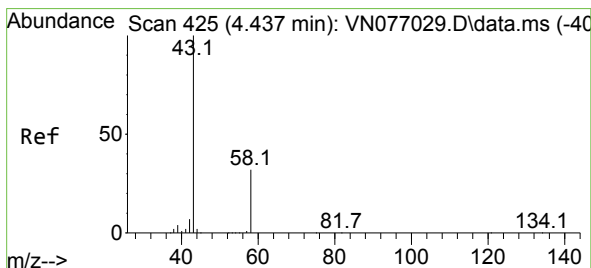
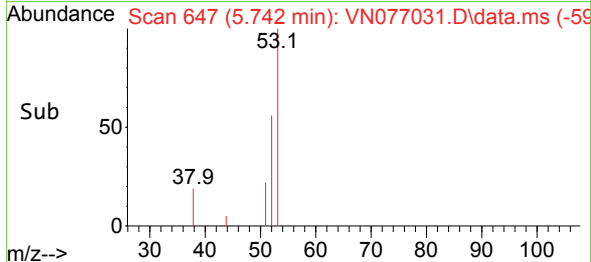
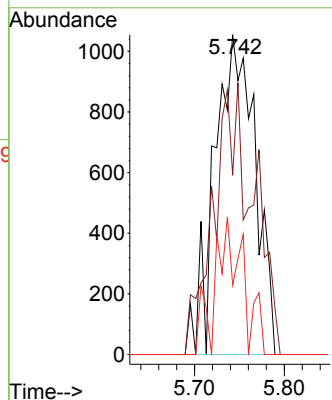
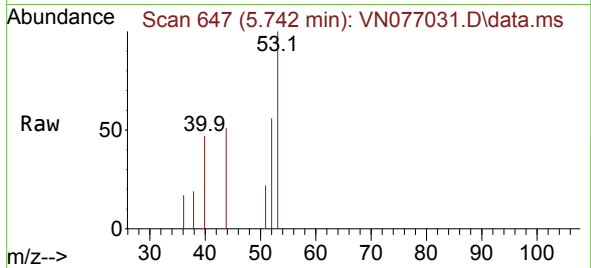




#15
Acrylonitrile
Concen: 1.167 ug/l
RT: 5.742 min Scan# 645
Delta R.T. 0.012 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

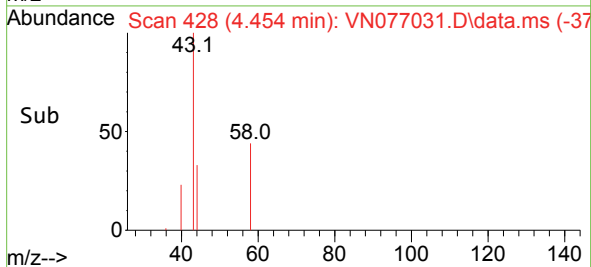
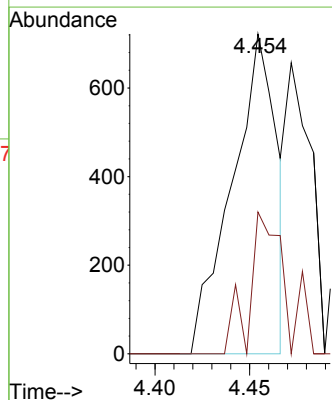
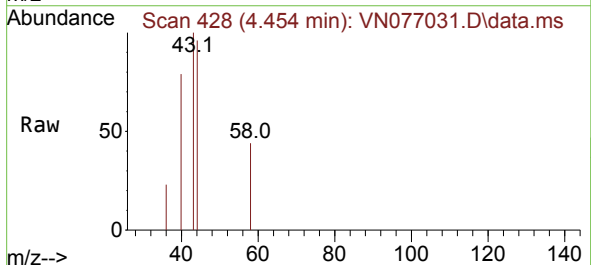
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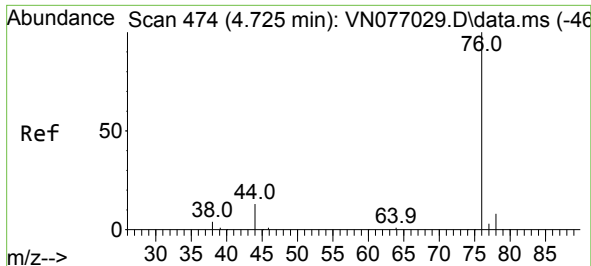
Tgt Ion: 53 Resp: 3293
Ion Ratio Lower Upper
53 100
52 63.0 64.6 97.0#
51 30.1 28.3 42.5



#16
Acetone
Concen: 0.460 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.018 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

Tgt Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
58 44.3 25.4 38.0#

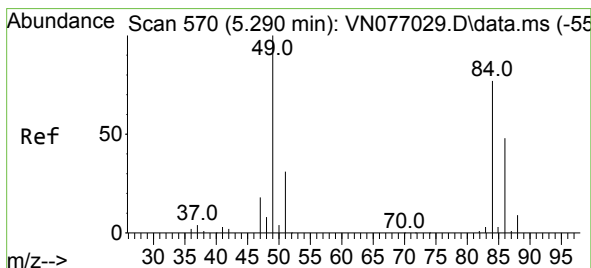
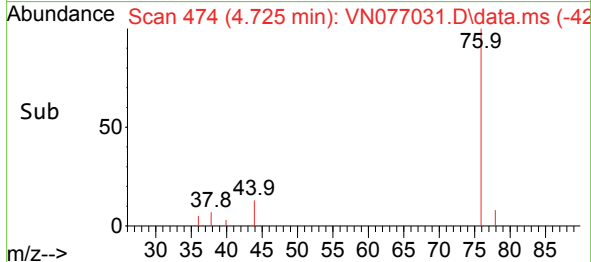
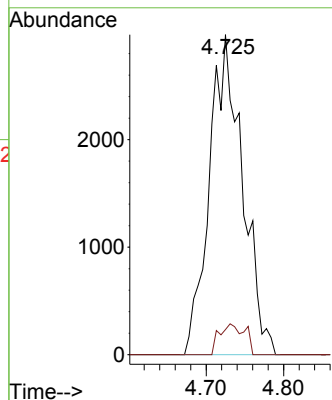
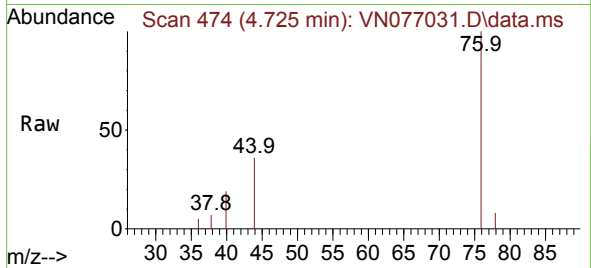




#17
Carbon Disulfide
Concen: 0.691 ug/l
RT: 4.725 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

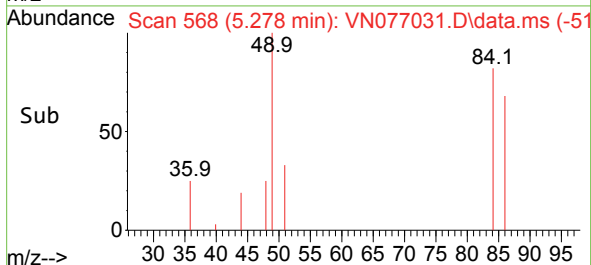
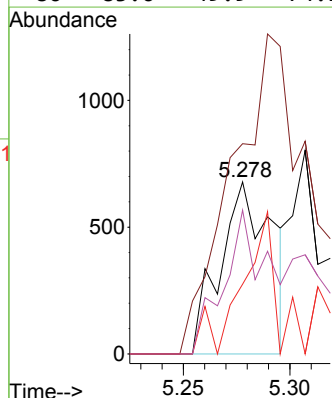
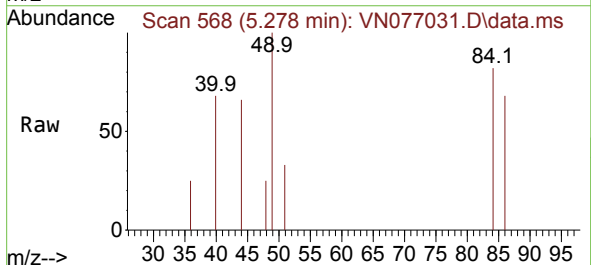
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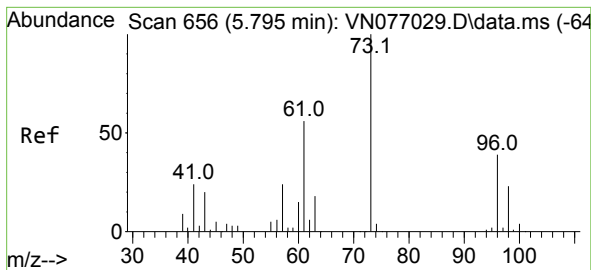
Tgt Ion: 76 Resp: 8826
Ion Ratio Lower Upper
76 100
78 7.9 6.6 10.0



#20
Methylene Chloride
Concen: 0.206 ug/l
RT: 5.278 min Scan# 568
Delta R.T. -0.012 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

Tgt Ion: 84 Resp: 1149
Ion Ratio Lower Upper
84 100
49 122.3 103.8 155.6
51 40.6 32.3 48.5
86 83.6 49.9 74.9#





#21

trans-1,2-Dichloroethene

Concen: 0.304 ug/l

RT: 5.807 min Scan# 61

Delta R.T. 0.012 min

Lab File: VN077031.D

Acq: 17 Mar 2023 12:14

Instrument :

MSVOA_N

ClientSampleId :

IBLK

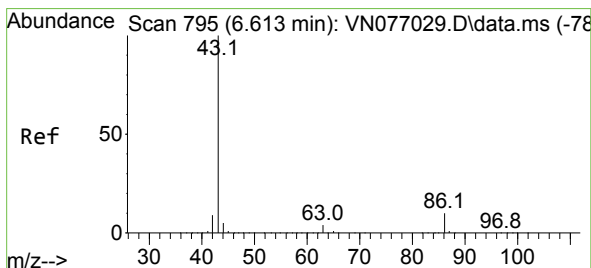
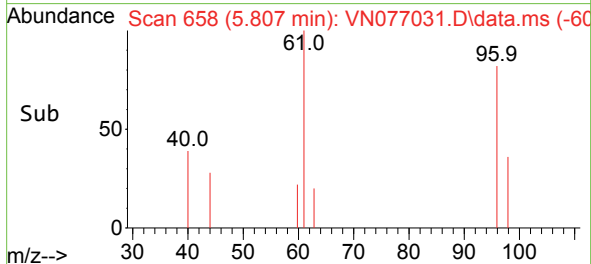
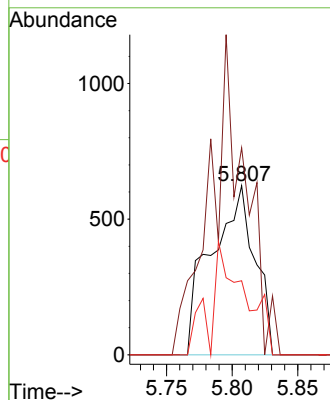
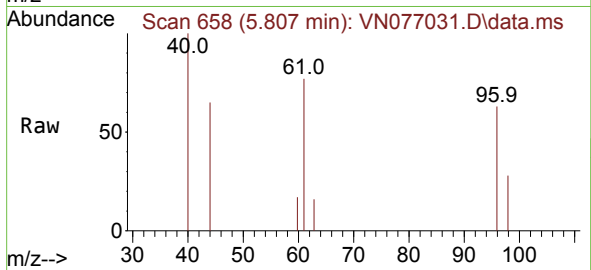
Tgt Ion: 96 Resp: 1445

Ion Ratio Lower Upper

96 100

61 122.5 115.8 173.6

98 43.8 48.2 72.2#



#23

Vinyl Acetate

Concen: 0.226 ug/l

RT: 6.619 min Scan# 796

Delta R.T. 0.006 min

Lab File: VN077031.D

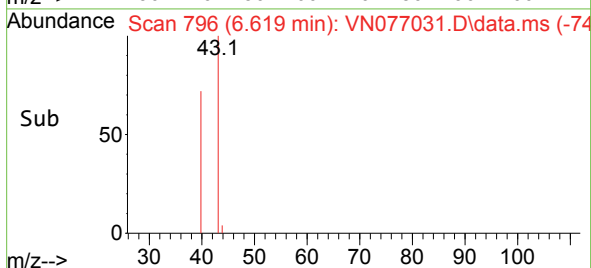
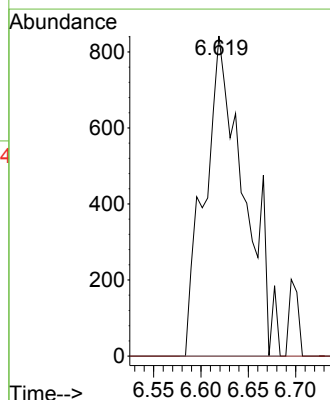
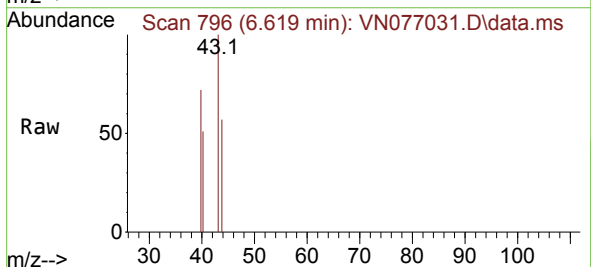
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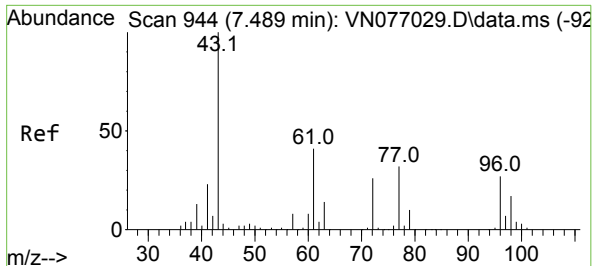
Tgt Ion: 43 Resp: 2443

Ion Ratio Lower Upper

43 100

86 0.0 8.0 12.0#





#25

2-Butanone

Concen: 0.605 ug/l

RT: 7.501 min Scan# 944

Delta R.T. 0.012 min

Lab File: VN077031.D

Acq: 17 Mar 2023 12:14

Instrument :

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ClientSampleId :

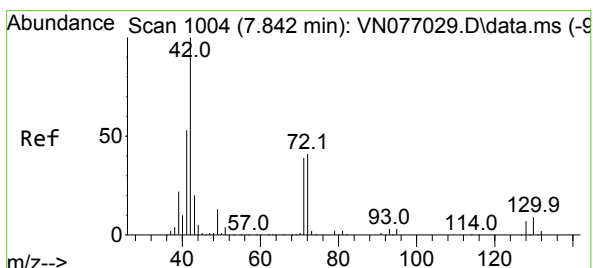
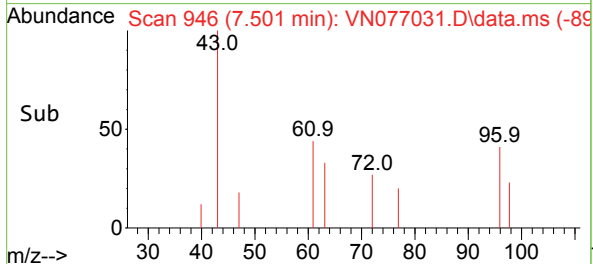
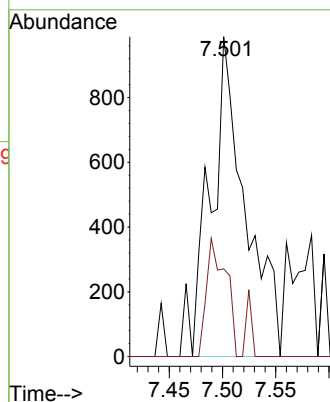
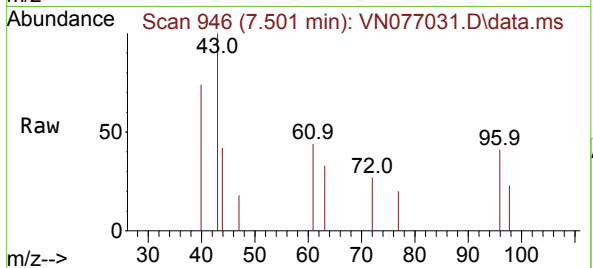
IBLK

Tgt Ion: 43 Resp: 2274

Ion Ratio Lower Upper

43 100

72 27.4 20.7 31.1



#29

Tetrahydrofuran

Concen: 0.249 ug/l

RT: 7.866 min Scan# 1008

Delta R.T. 0.024 min

Lab File: VN077031.D

Acq: 17 Mar 2023 12:14

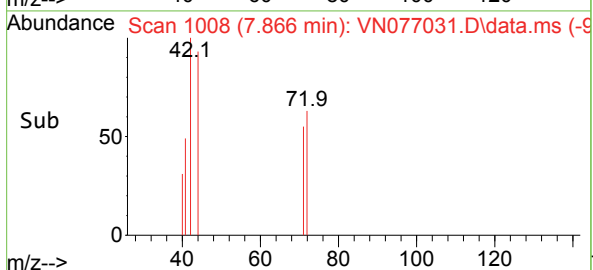
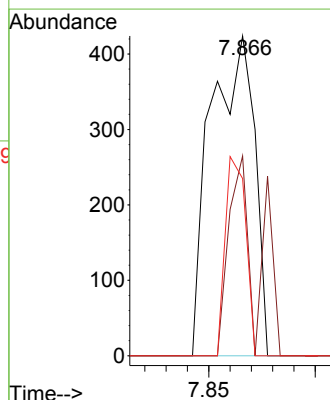
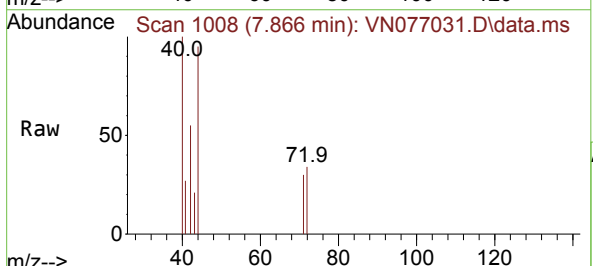
Tgt Ion: 42 Resp: 606

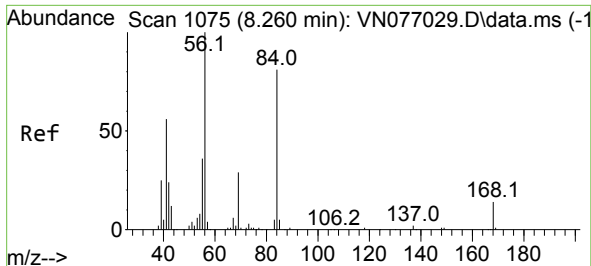
Ion Ratio Lower Upper

42 100

72 40.6 33.2 49.8

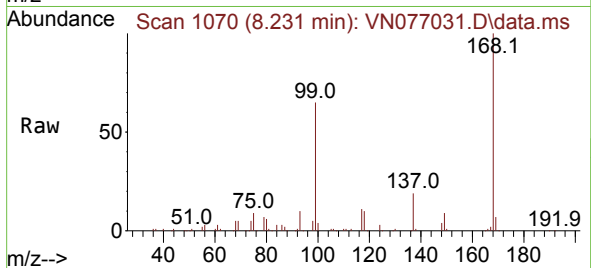
71 29.0 31.0 46.4#



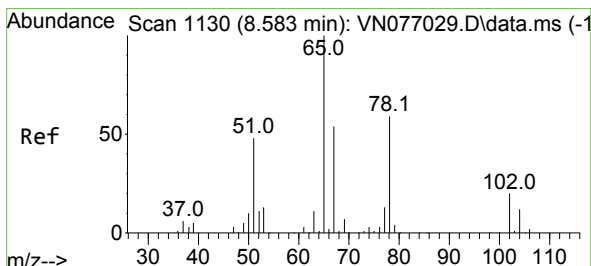
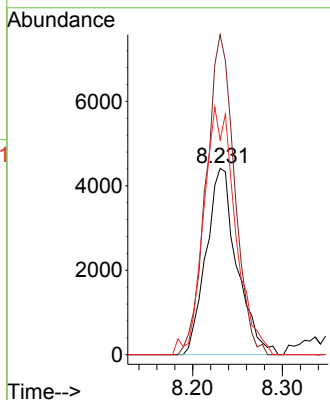
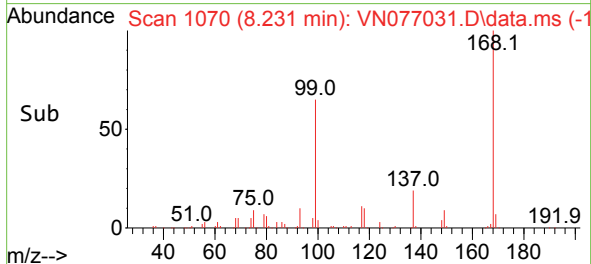


#31
Cyclohexane
Concen: 1.118 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.029 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

Instrument :
MSVOA_N
ClientSampleId :
IBLK

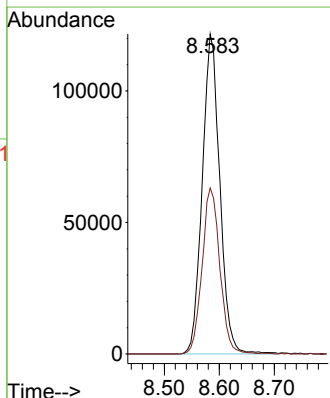
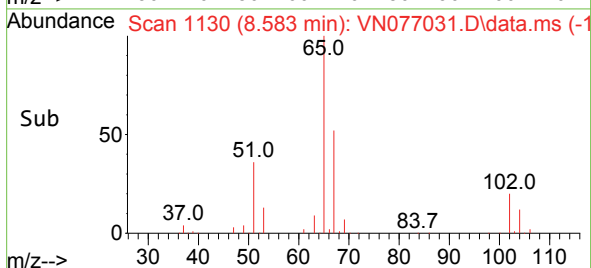
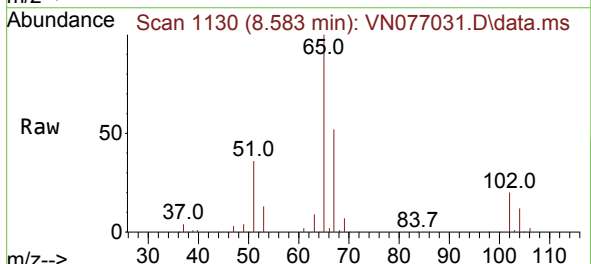


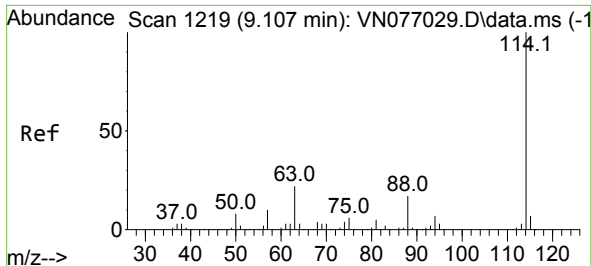
Tgt Ion: 56 Resp: 10541
Ion Ratio Lower Upper
56 100
69 171.8 22.8 34.2#
84 115.3 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 46.825 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

Tgt Ion: 65 Resp: 269812
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.2

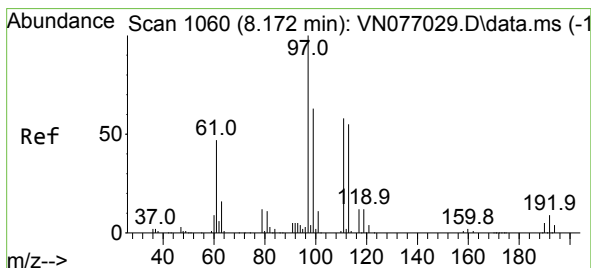
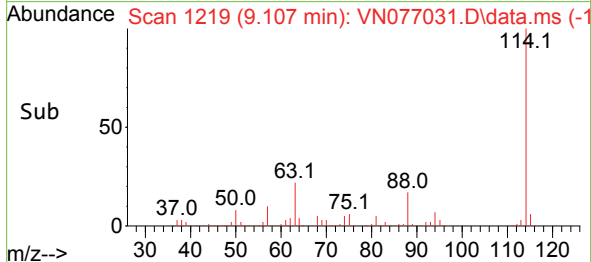
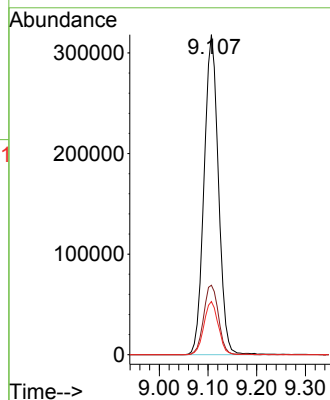
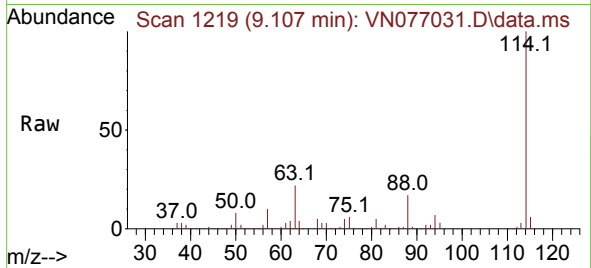




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

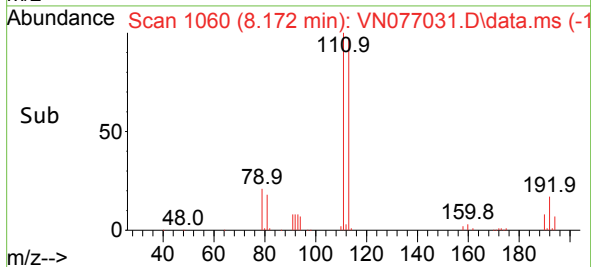
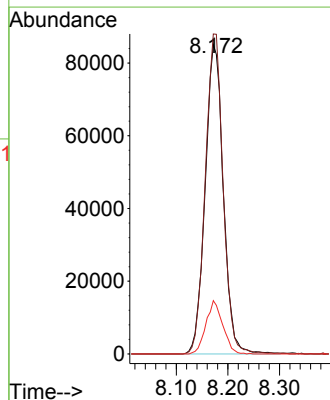
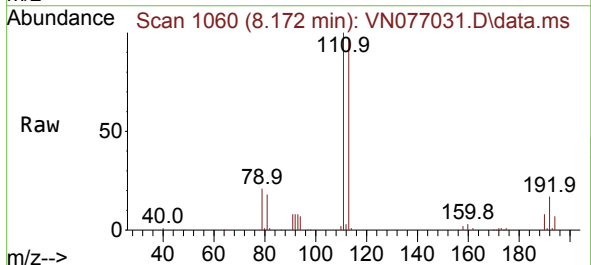
Instrument :
MSVOA_N
ClientSampleId :
IBLK

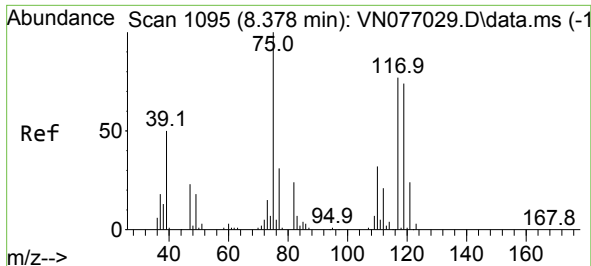
Tgt Ion:114 Resp: 649655
Ion Ratio Lower Upper
114 100
63 21.7 0.0 44.6
88 16.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 47.138 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

Tgt Ion:113 Resp: 207785
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 16.0 13.0 19.6

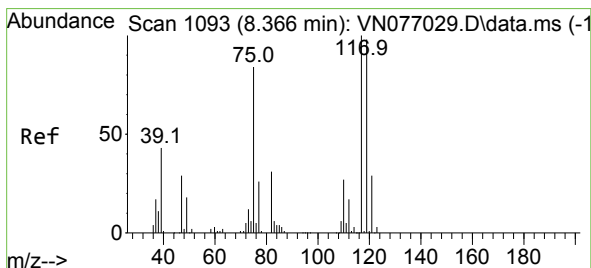
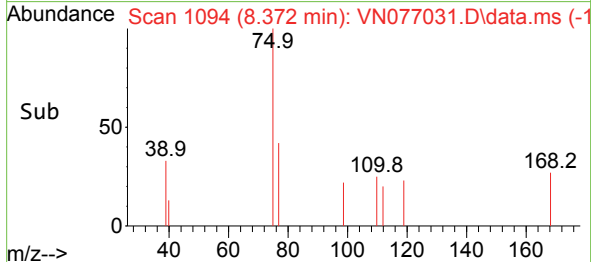
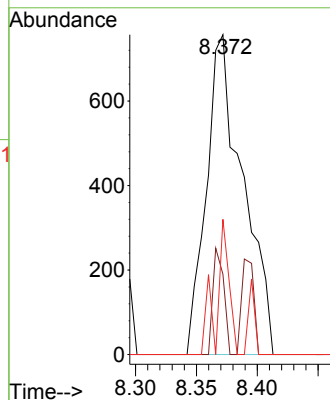
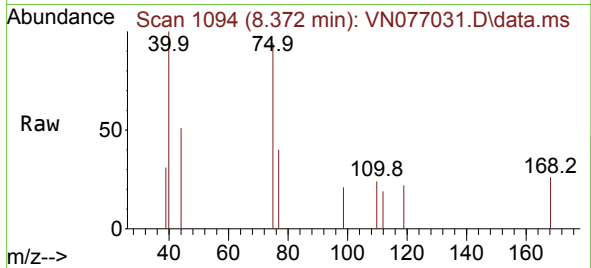




#36
1,1-Dichloropropene
Concen: 0.222 ug/l
RT: 8.372 min Scan# 1094
Delta R.T. -0.006 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

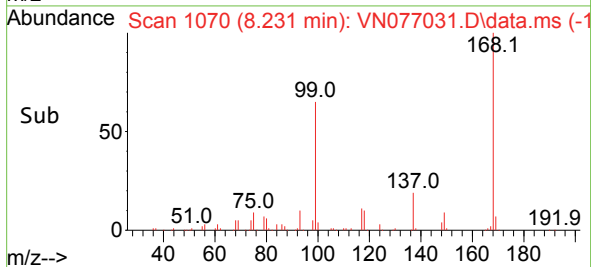
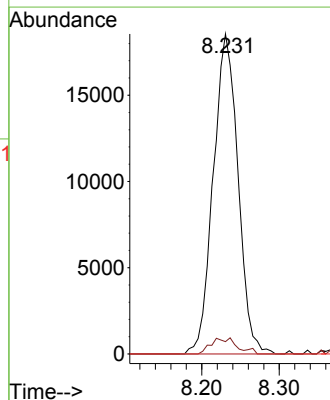
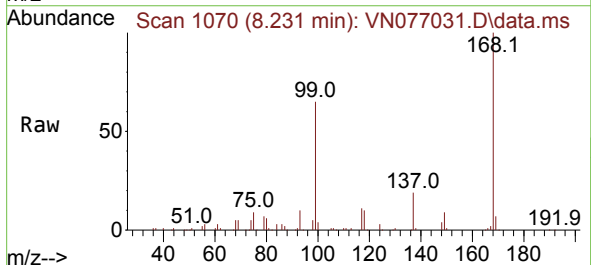
Instrument :
MSVOA_N
ClientSampleId :
IBLK

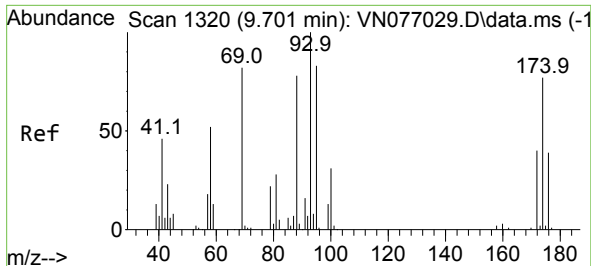
Tgt Ion: 75 Resp: 1575
Ion Ratio Lower Upper
75 100
110 9.9 15.9 47.7#
77 14.9 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.943 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

Tgt Ion: 117 Resp: 41136
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 23.2 34.8#





#49

1,4-Dioxane

Concen: 0.639 ug/l

RT: 9.707 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077031.D

Acq: 17 Mar 2023 12:14

Instrument :

MSVOA_N

ClientSampleId :

IBLK

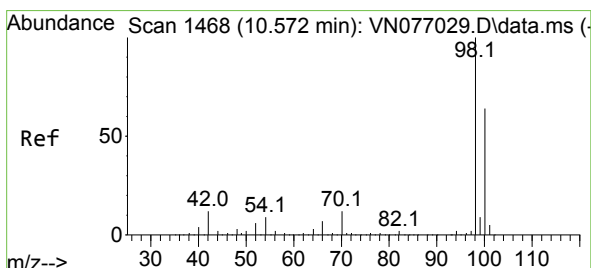
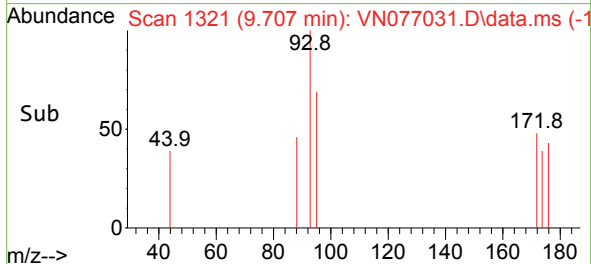
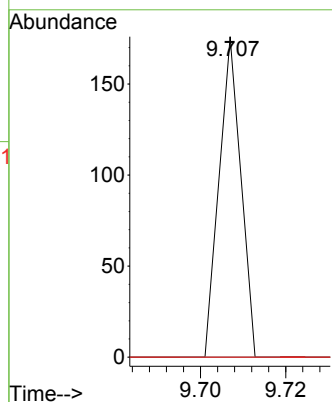
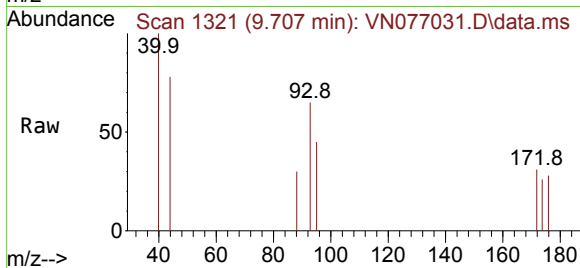
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.2#

58 0.0 60.8 91.2#



#50

Toluene-d8

Concen: 47.707 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VN077031.D

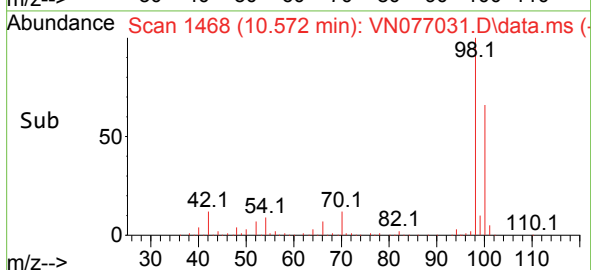
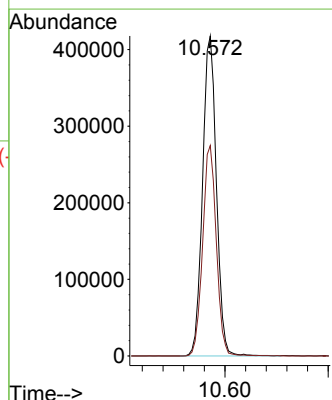
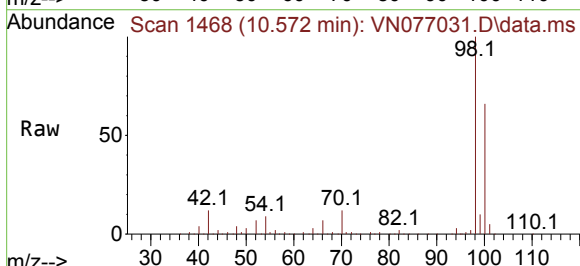
Acq: 17 Mar 2023 12:14

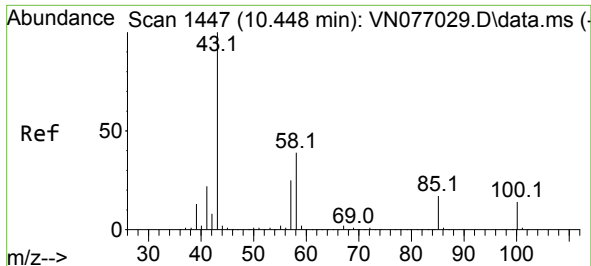
Tgt Ion: 98 Resp: 775329

Ion Ratio Lower Upper

98 100

100 65.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.318 ug/l

RT: 10.448 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VN077031.D

Acq: 17 Mar 2023 12:14

Instrument :

MSVOA_N

ClientSampleId :

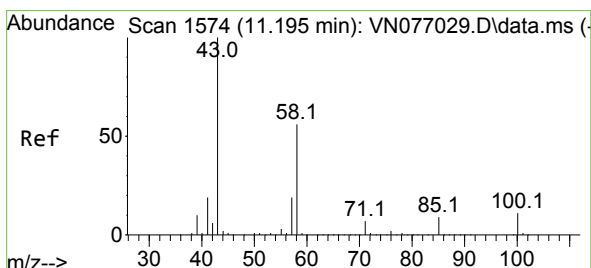
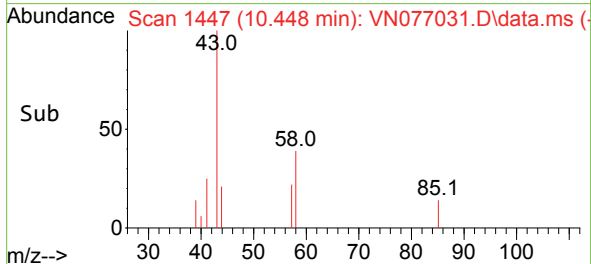
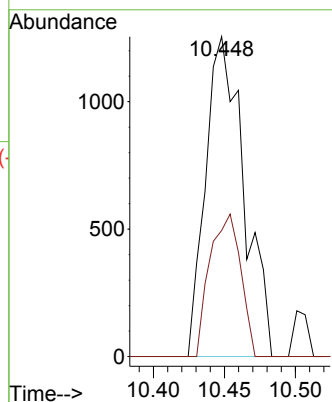
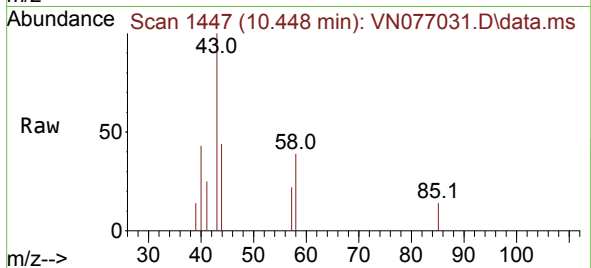
IBLK

Tgt Ion: 43 Resp: 2351

Ion Ratio Lower Upper

43 100

58 35.9 31.1 46.7



#59

2-Hexanone

Concen: 0.894 ug/l

RT: 11.195 min Scan# 1574

Delta R.T. -0.000 min

Lab File: VN077031.D

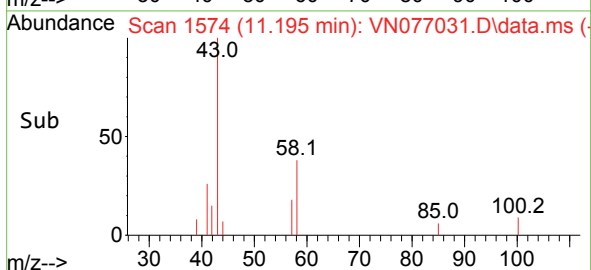
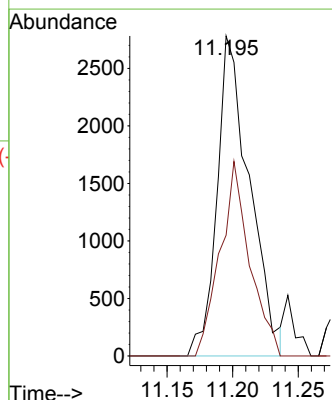
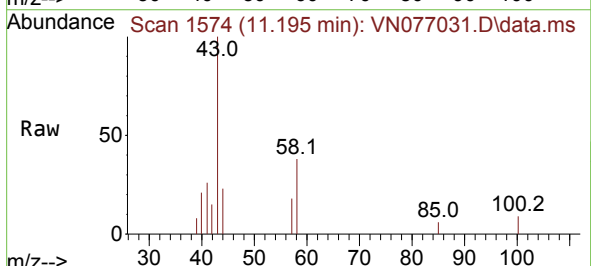
Acq: 17 Mar 2023 12:14

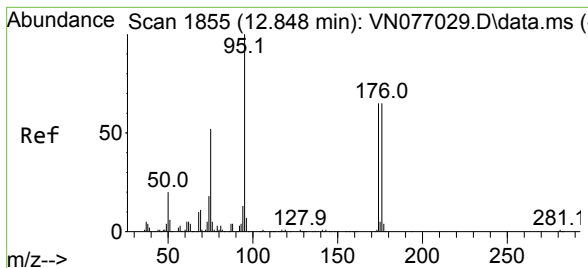
Tgt Ion: 43 Resp: 4797

Ion Ratio Lower Upper

43 100

58 55.2 27.7 83.1

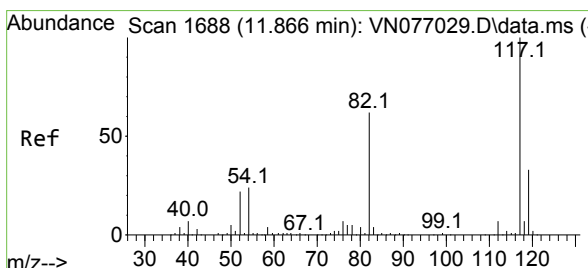
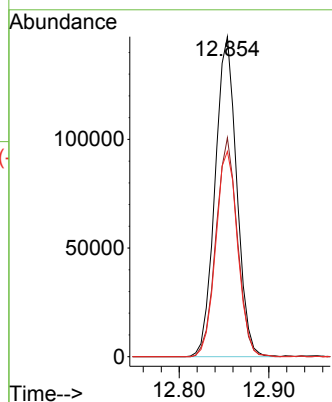
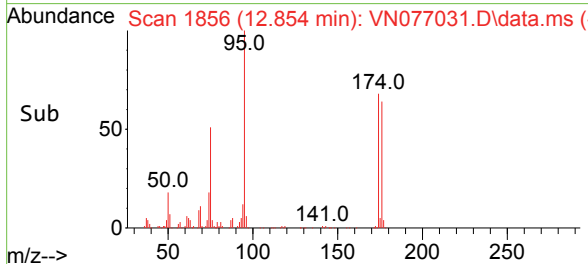
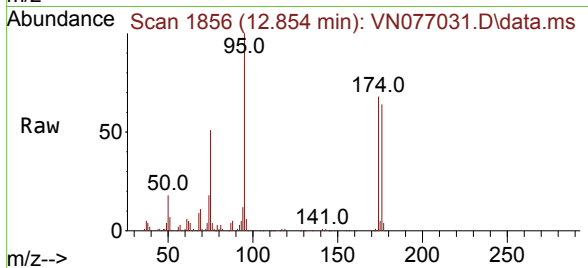




#62
4-Bromofluorobenzene
Concen: 42.892 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

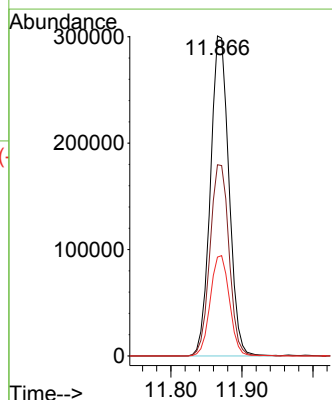
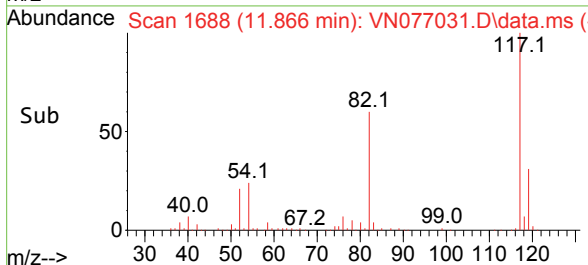
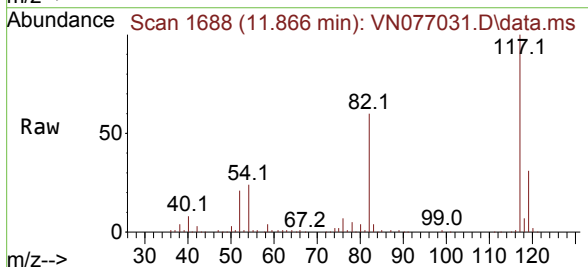
Instrument :
MSVOA_N
ClientSampleId :
IBLK

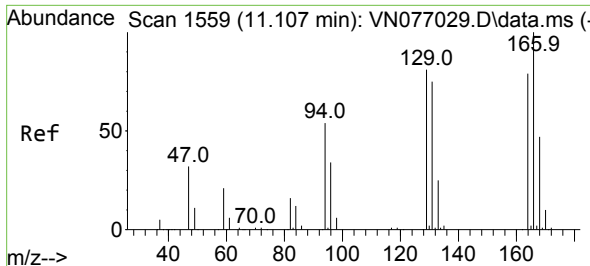
Tgt Ion: 95 Resp: 246322
Ion Ratio Lower Upper
95 100
174 67.7 0.0 136.6
176 65.1 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

Tgt Ion: 117 Resp: 544143
Ion Ratio Lower Upper
117 100
82 59.7 49.4 74.0
119 30.9 26.5 39.7

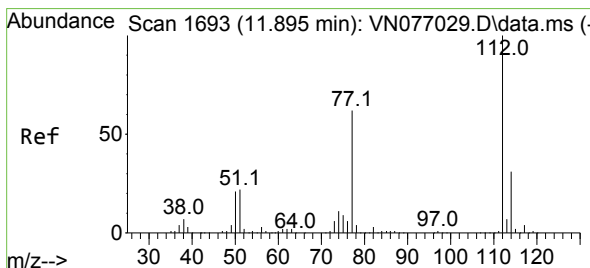
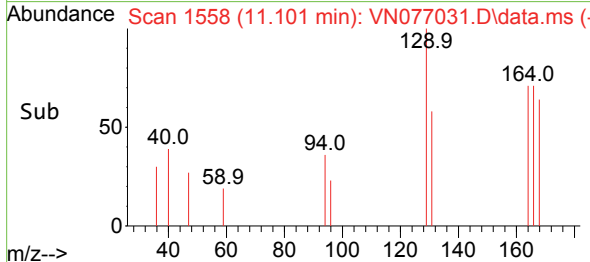
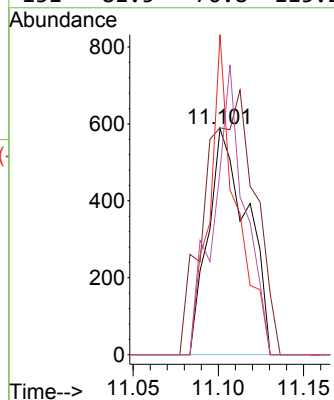
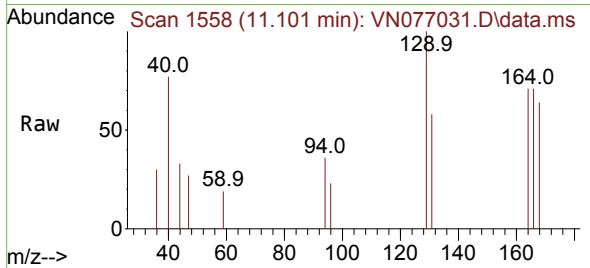




#64
Tetrachloroethene
Concen: 0.256 ug/l
RT: 11.101 min Scan# 1558
Delta R.T. -0.006 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

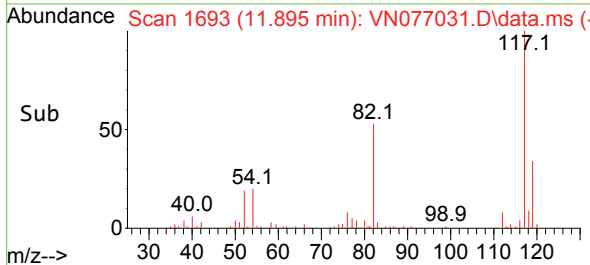
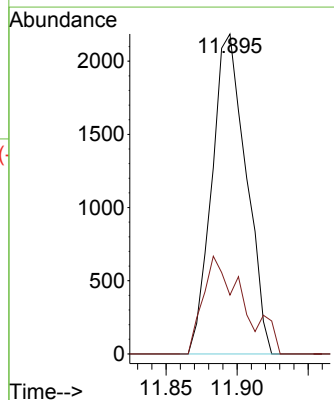
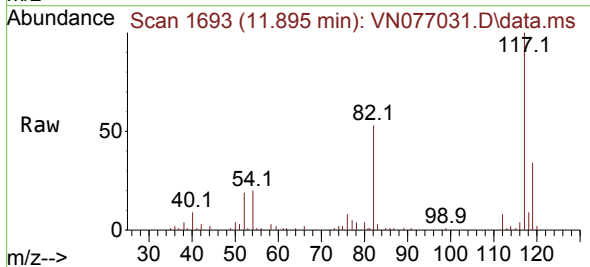
Instrument :
MSVOA_N
ClientSampleId :
IBLK

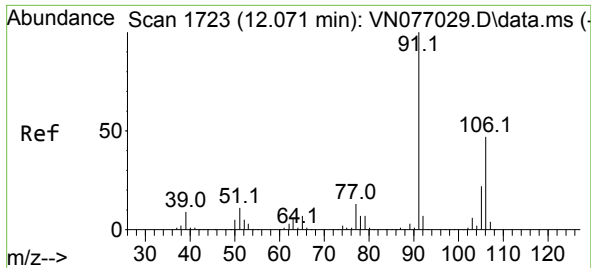
Tgt Ion:164 Resp: 936
Ion Ratio Lower Upper
164 100
166 100.3 101.9 152.9#
129 141.5 82.6 123.8#
131 81.5 76.8 115.2



#65
Chlorobenzene
Concen: 0.292 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

Tgt Ion:112 Resp: 3658
Ion Ratio Lower Upper
112 100
114 18.4 24.8 37.2#

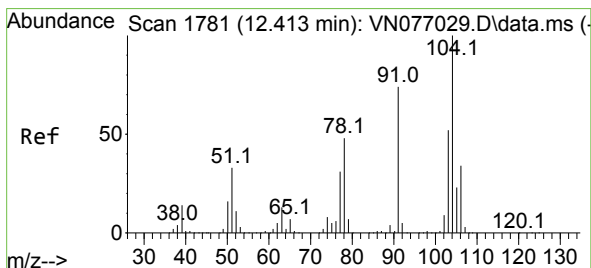
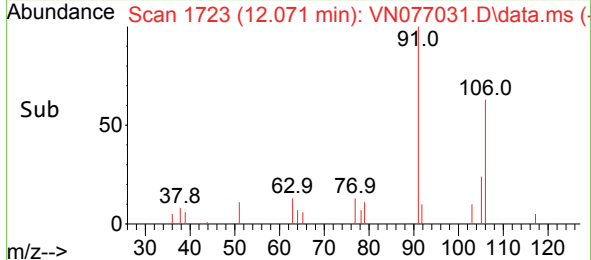
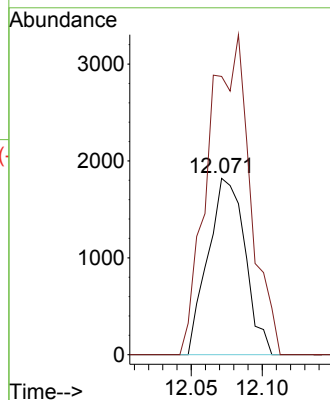
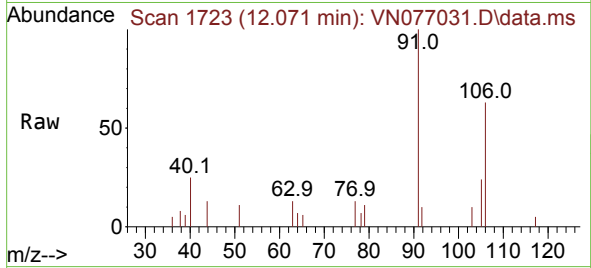




#68
m/p-Xylenes
Concen: 0.391 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

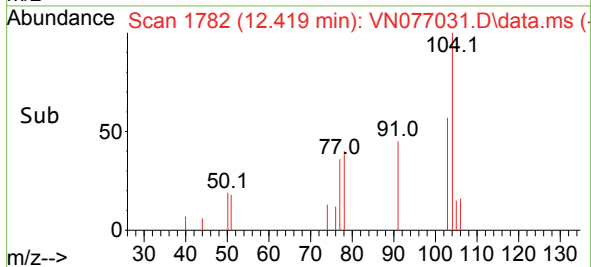
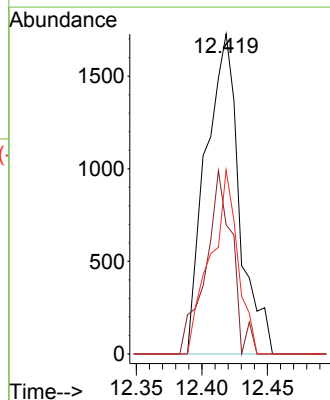
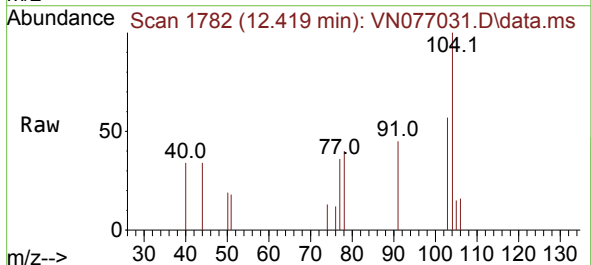
Instrument :
MSVOA_N
ClientSampleId :
IBLK

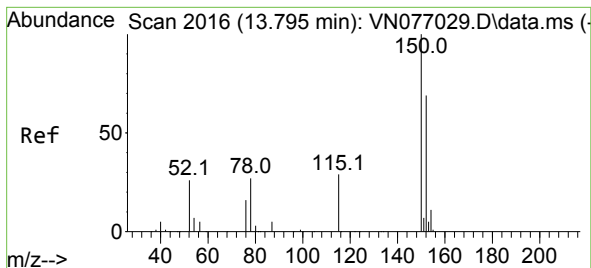
Tgt Ion:106 Resp: 3299
Ion Ratio Lower Upper
106 100
91 205.9 168.0 252.0



#70
Styrene
Concen: 0.236 ug/l
RT: 12.419 min Scan# 1782
Delta R.T. 0.006 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

Tgt Ion:104 Resp: 3077
Ion Ratio Lower Upper
104 100
78 45.2 41.8 62.8
103 46.4 43.8 65.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN077031.D

Acq: 17 Mar 2023 12:14

Instrument :

MSVOA_N

ClientSampleId :

IBLK

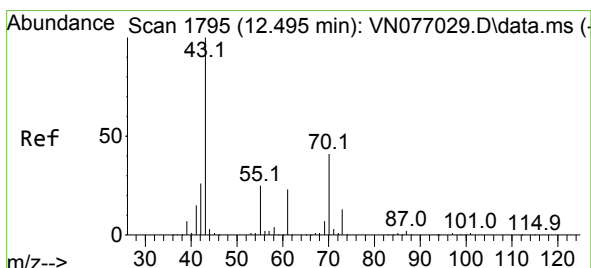
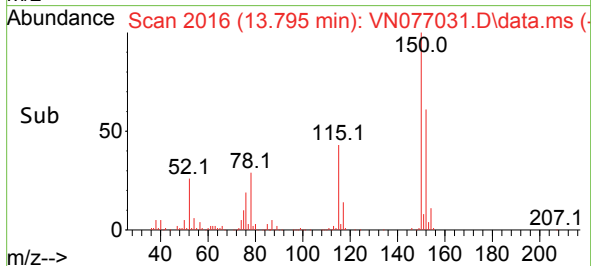
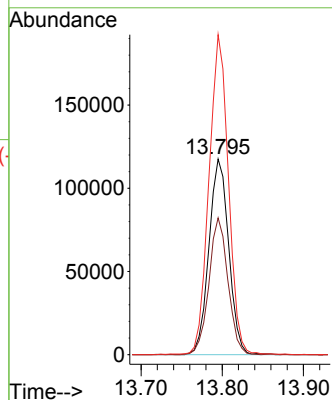
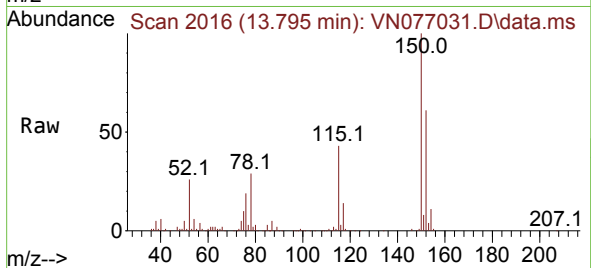
Tgt Ion:152 Resp: 199029

Ion Ratio Lower Upper

152 100

115 67.2 31.9 95.7

150 160.9 0.0 348.0



#74

N-ethyl acetate

Concen: 0.347 ug/l

RT: 12.495 min Scan# 1795

Delta R.T. -0.000 min

Lab File: VN077031.D

Acq: 17 Mar 2023 12:14

Tgt Ion: 43 Resp: 2677

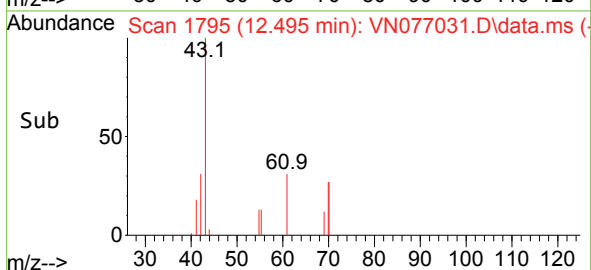
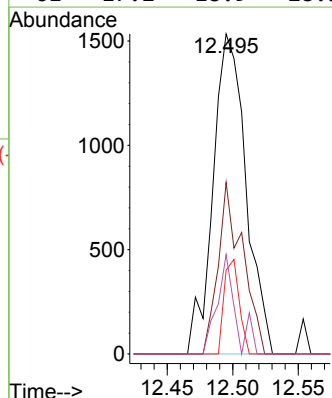
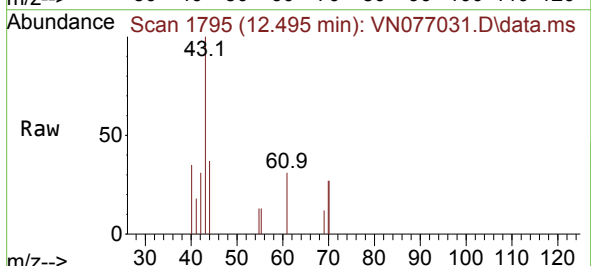
Ion Ratio Lower Upper

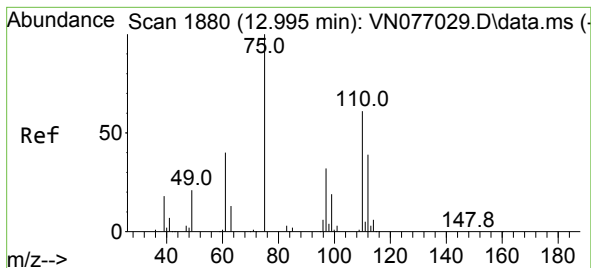
43 100

70 39.7 33.6 50.4

55 13.4 20.3 30.5#

61 17.2 18.9 28.3#





#76

1,2,3-Trichloropropane

Concen: 25.503 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077031.D

Acq: 17 Mar 2023 12:14

Instrument :

MSVOA_N

ClientSampleId :

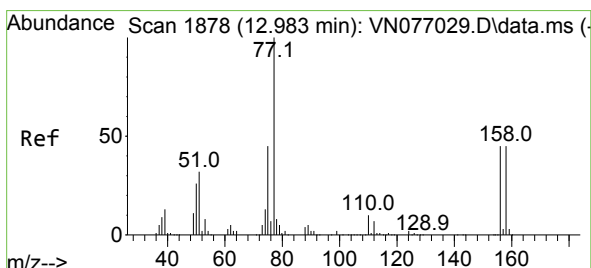
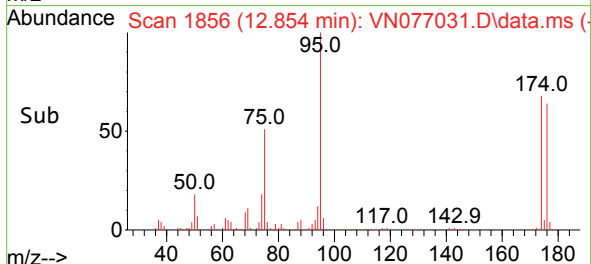
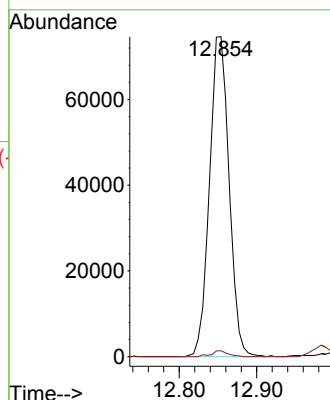
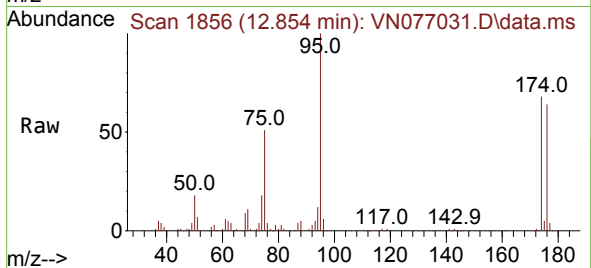
IBLK

Tgt Ion: 75 Resp: 131311

Ion Ratio Lower Upper

75 100

77 1.6 107.3 322.0#



#77

Bromobenzene

Concen: 0.453 ug/l

RT: 12.989 min Scan# 1879

Delta R.T. 0.006 min

Lab File: VN077031.D

Acq: 17 Mar 2023 12:14

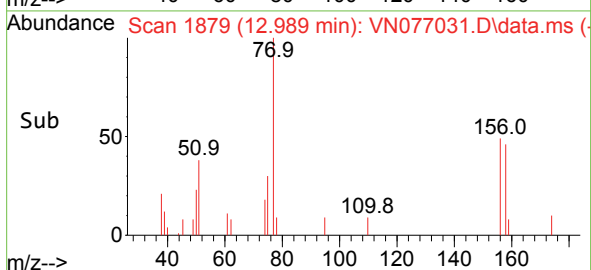
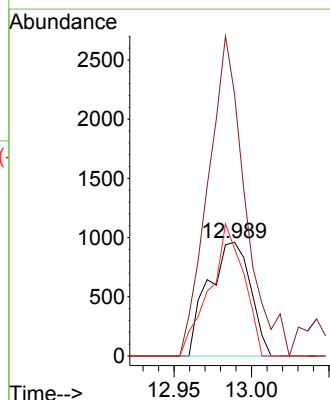
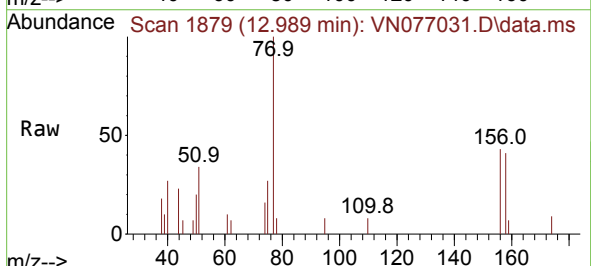
Tgt Ion:156 Resp: 1810

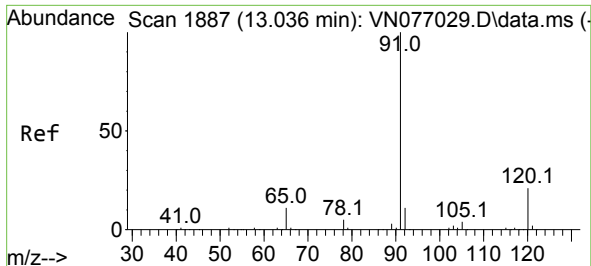
Ion Ratio Lower Upper

156 100

77 247.2 124.8 374.3

158 93.8 48.6 145.9

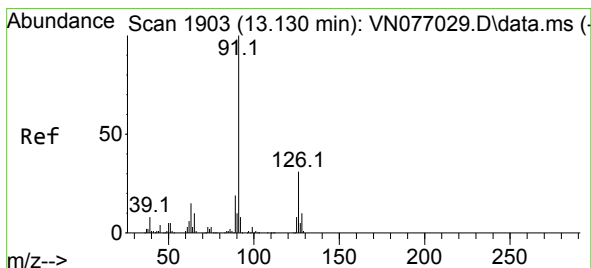
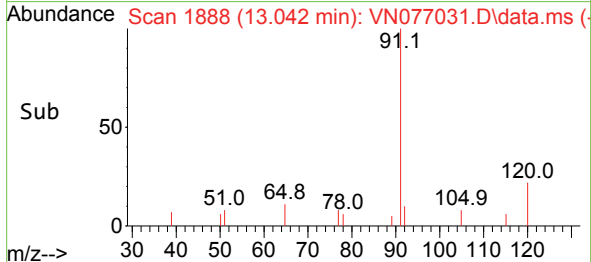
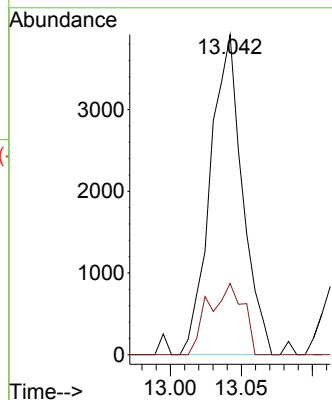
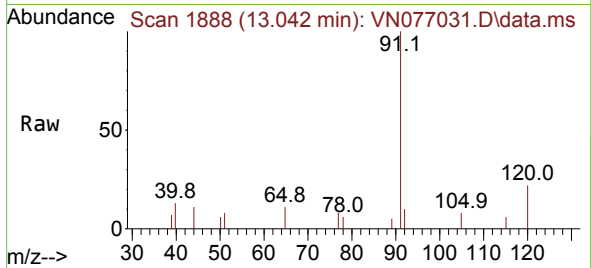




#78
n-propylbenzene
Concen: 0.300 ug/l
RT: 13.042 min Scan# 1888
Delta R.T. 0.006 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

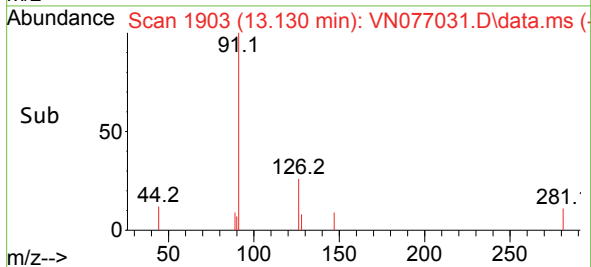
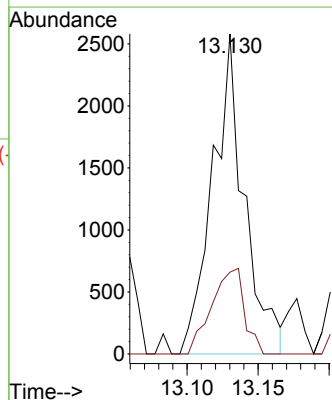
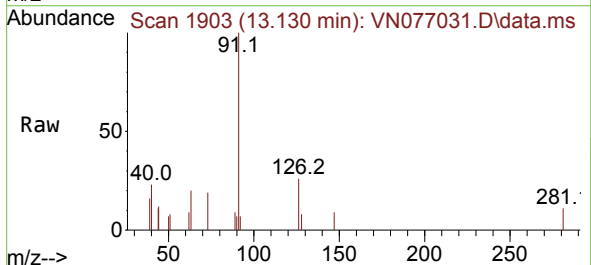
Instrument :
MSVOA_N
ClientSampleId :
IBLK

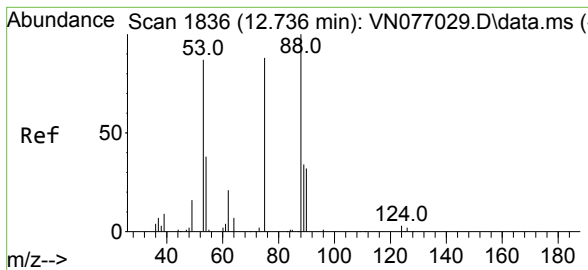
Tgt Ion: 91 Resp: 6171
Ion Ratio Lower Upper
91 100
120 24.1 10.8 32.3



#79
2-Chlorotoluene
Concen: 0.306 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

Tgt Ion: 91 Resp: 4021
Ion Ratio Lower Upper
91 100
126 27.5 15.2 45.5

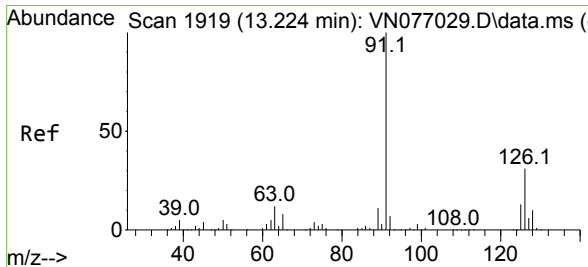
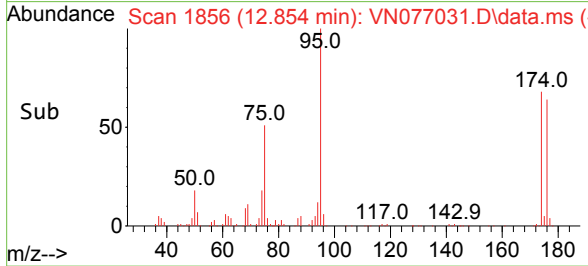
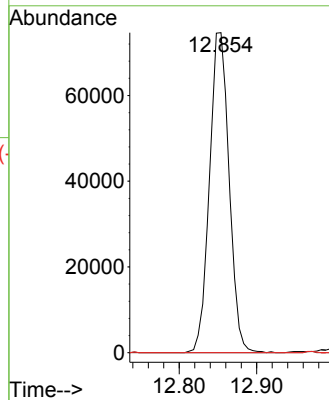
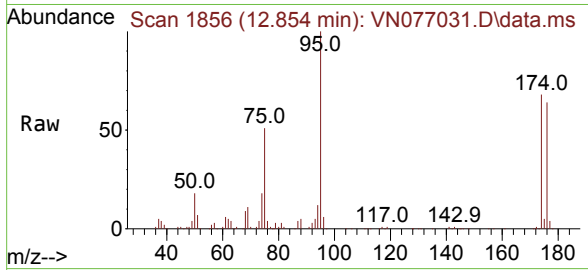




#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.208 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. 0.118 min
 Lab File: VN077031.D
 Acq: 17 Mar 2023 12:14

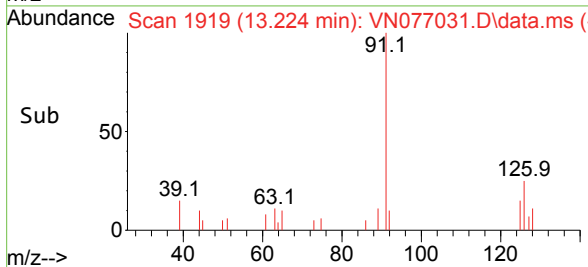
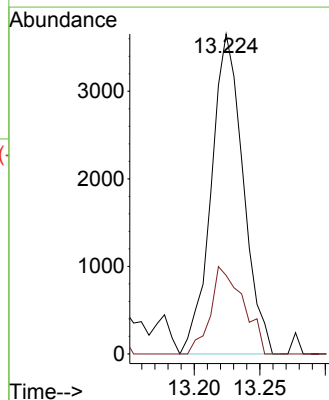
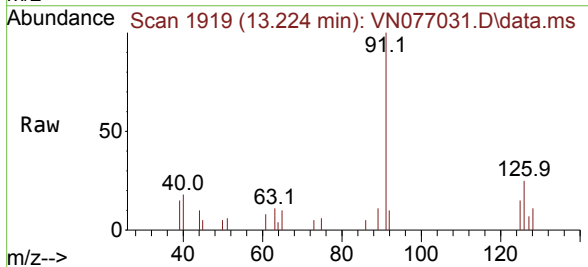
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

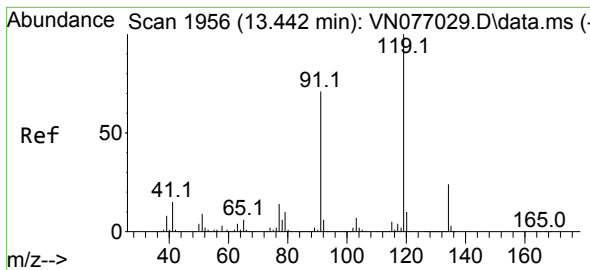
Tgt Ion: 75 Resp: 131311
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.8 121.2#
 89 0.0 34.2 51.4#



#82
 4-Chlorotoluene
 Concen: 0.496 ug/l
 RT: 13.224 min Scan# 1919
 Delta R.T. 0.000 min
 Lab File: VN077031.D
 Acq: 17 Mar 2023 12:14

Tgt Ion: 91 Resp: 6193
 Ion Ratio Lower Upper
 91 100
 126 28.0 15.5 46.5





#83

tert-Butylbenzene

Concen: 0.204 ug/l

RT: 13.442 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VN077031.D

Acq: 17 Mar 2023 12:14

Instrument :

MSVOA_N

ClientSampleId :

IBLK

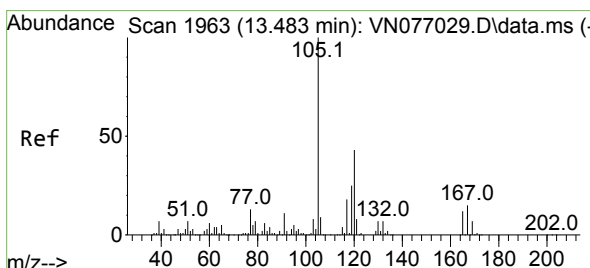
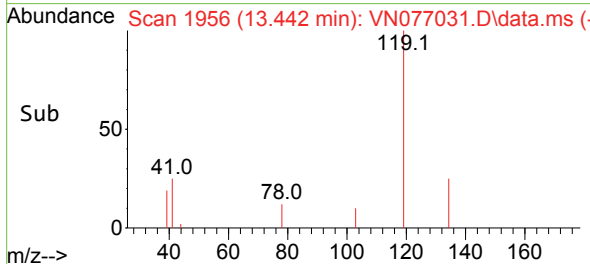
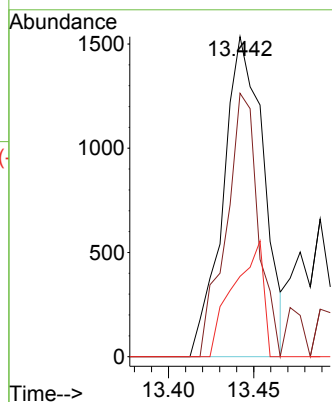
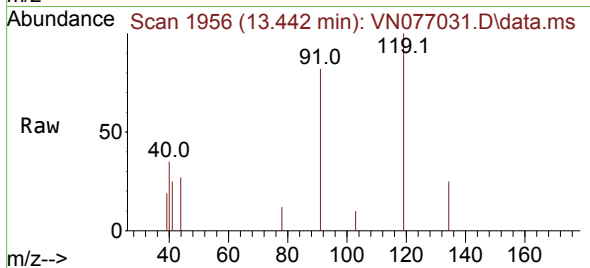
Tgt Ion:119 Resp: 2546

Ion Ratio Lower Upper

119 100

91 65.3 35.8 107.3

134 26.7 13.3 39.8



#84

1,2,4-Trimethylbenzene

Concen: 0.238 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VN077031.D

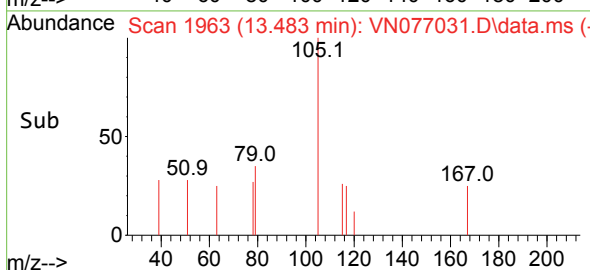
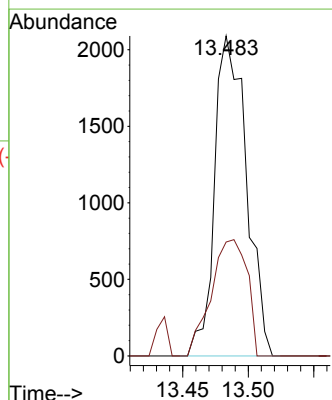
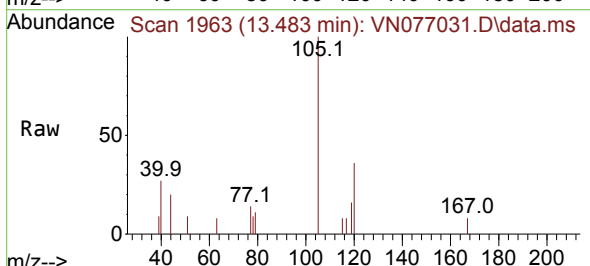
Acq: 17 Mar 2023 12:14

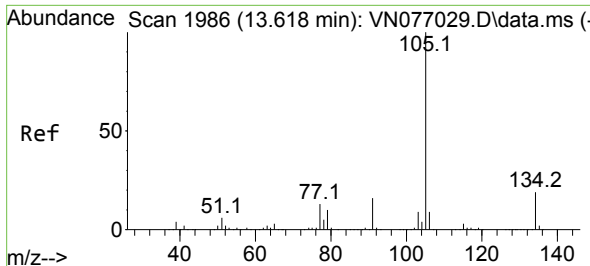
Tgt Ion:105 Resp: 3531

Ion Ratio Lower Upper

105 100

120 41.0 21.8 65.3

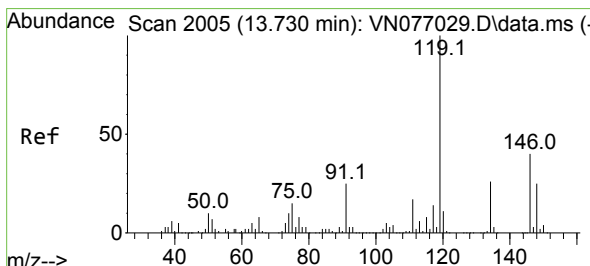
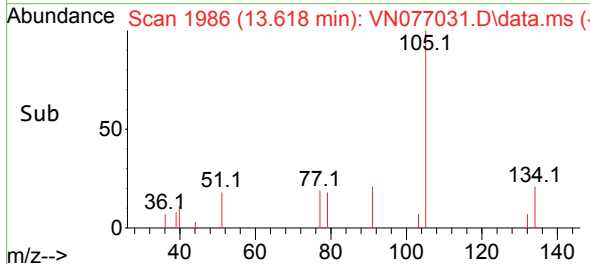
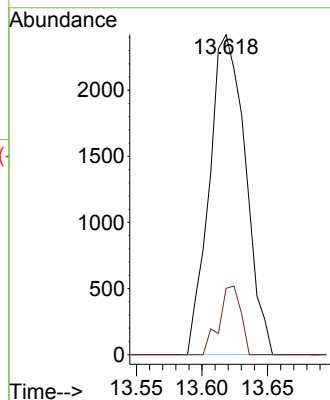
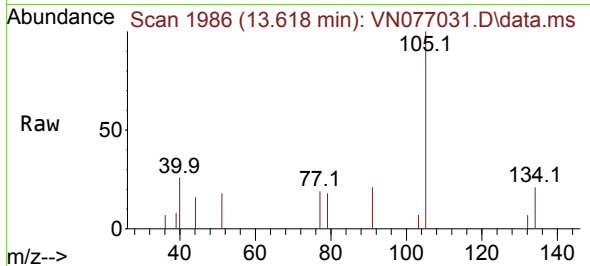




#85
 sec-Butylbenzene
 Concen: 0.261 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN077031.D
 Acq: 17 Mar 2023 12:14

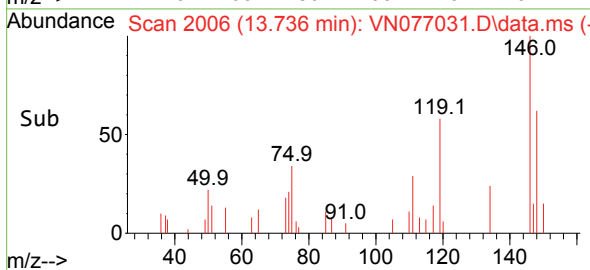
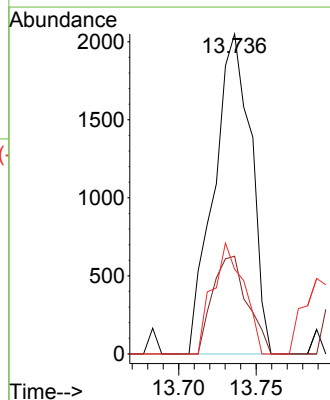
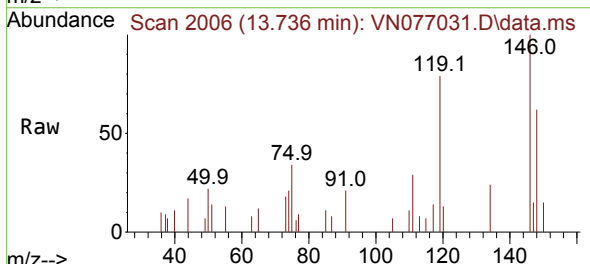
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

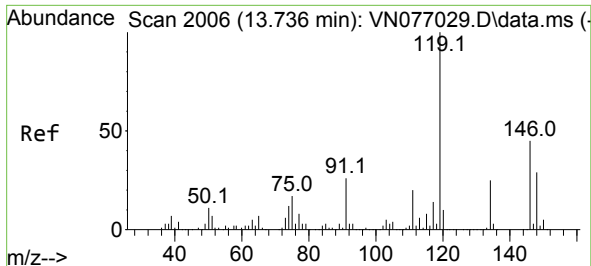
Tgt Ion:105 Resp: 4640
 Ion Ratio Lower Upper
 105 100
 134 12.8 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 0.239 ug/l
 RT: 13.736 min Scan# 2006
 Delta R.T. 0.006 min
 Lab File: VN077031.D
 Acq: 17 Mar 2023 12:14

Tgt Ion:119 Resp: 3407
 Ion Ratio Lower Upper
 119 100
 134 28.7 12.8 38.4
 91 29.1 12.7 38.1

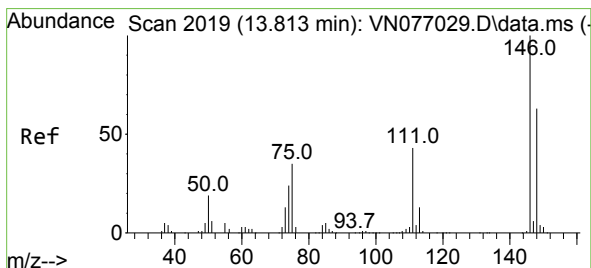
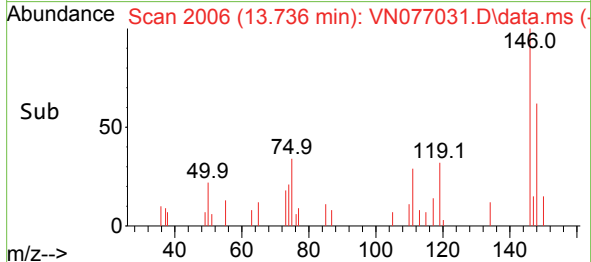
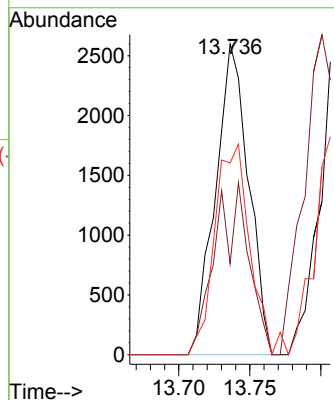
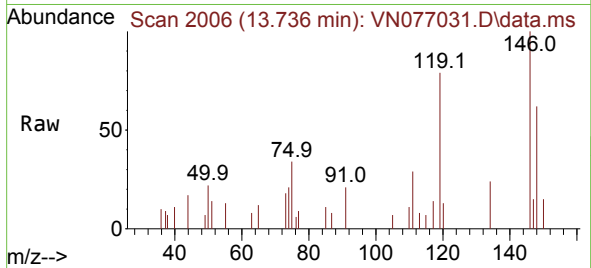




#87
 1,3-Dichlorobenzene
 Concen: 0.557 ug/l
 RT: 13.736 min Scan# 2006
 Delta R.T. 0.000 min
 Lab File: VN077031.D
 Acq: 17 Mar 2023 12:14

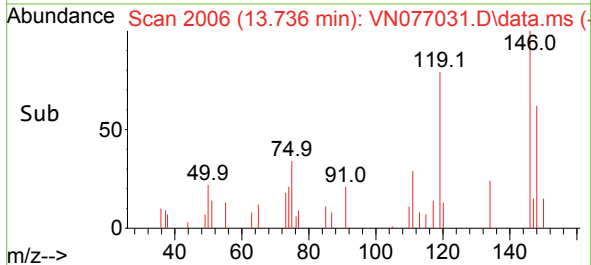
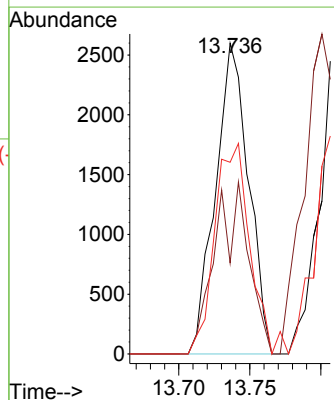
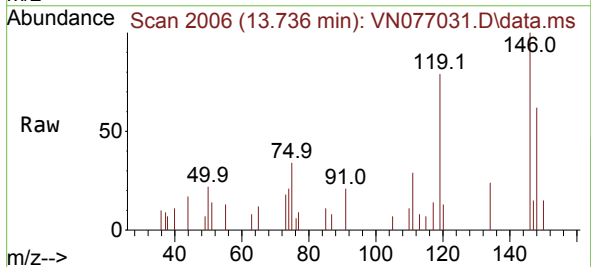
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

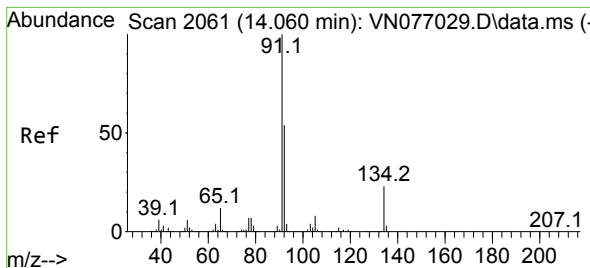
Tgt Ion:146	Resp:	4210
Ion Ratio	Lower	Upper
146	100	
111	56.0	21.9 65.5
148	72.2	32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 0.560 ug/l
 RT: 13.736 min Scan# 2006
 Delta R.T. -0.076 min
 Lab File: VN077031.D
 Acq: 17 Mar 2023 12:14

Tgt Ion:146	Resp:	4210
Ion Ratio	Lower	Upper
146	100	
111	56.0	21.5 64.5
148	72.2	31.9 95.9





#89

n-Butylbenzene

Concen: 0.541 ug/l

RT: 14.060 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VN077031.D

Acq: 17 Mar 2023 12:14

Instrument :

MSVOA_N

ClientSampleId :

IBLK

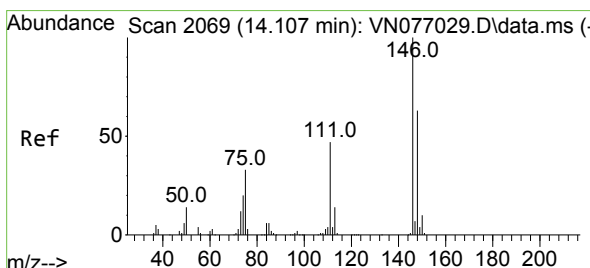
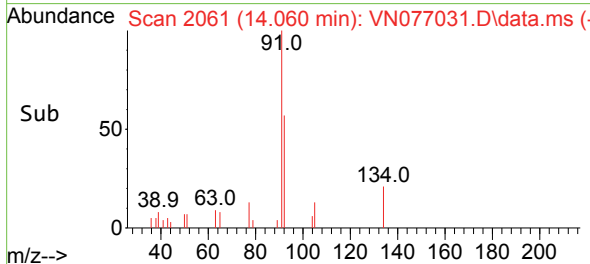
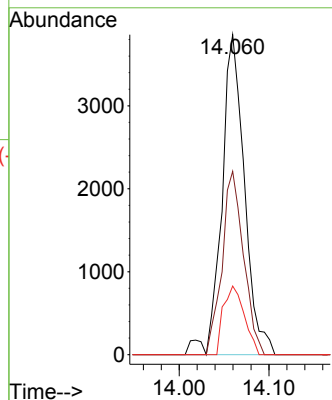
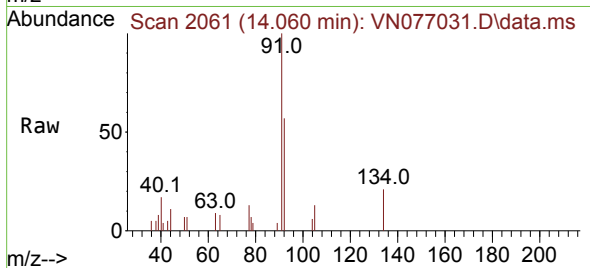
Tgt Ion: 91 Resp: 6779

Ion Ratio Lower Upper

91 100

92 54.2 26.5 79.5

134 19.7 11.7 35.1



#91

1,2-Dichlorobenzene

Concen: 0.550 ug/l

RT: 14.113 min Scan# 2070

Delta R.T. 0.006 min

Lab File: VN077031.D

Acq: 17 Mar 2023 12:14

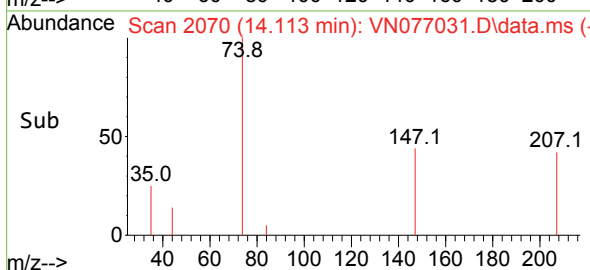
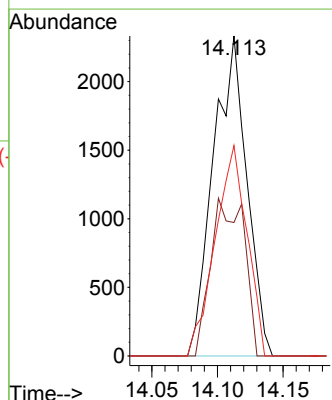
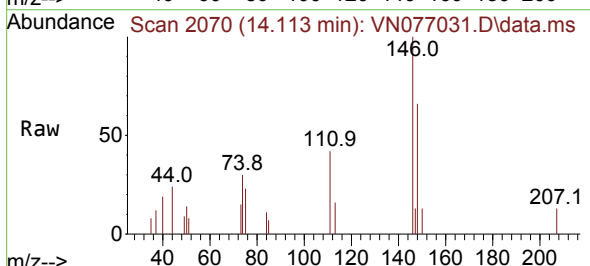
Tgt Ion:146 Resp: 4138

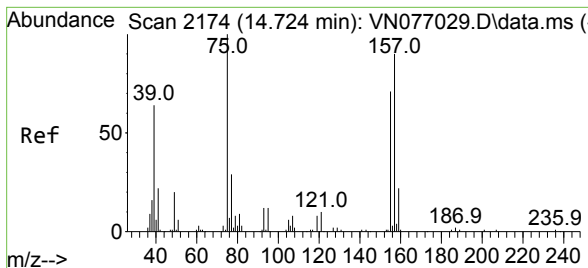
Ion Ratio Lower Upper

146 100

111 49.3 22.6 67.7

148 62.6 31.6 95.0

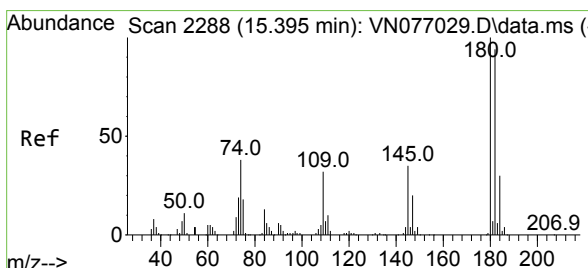
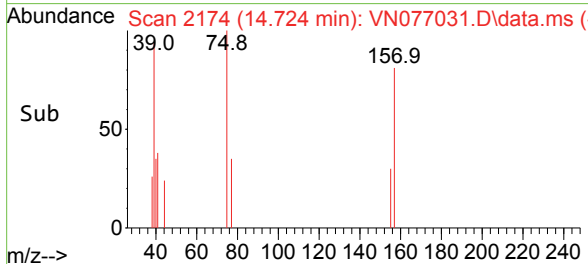
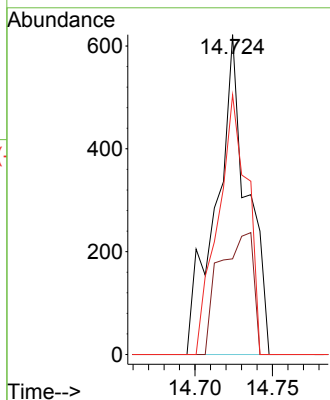
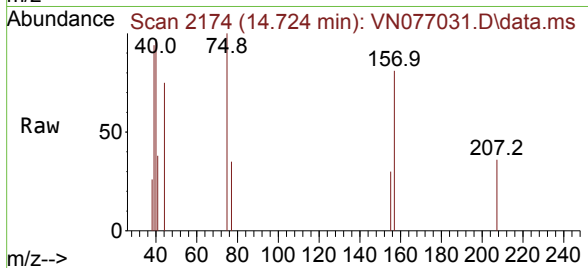




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.724 ug/l
 RT: 14.724 min Scan# 2174
 Delta R.T. -0.000 min
 Lab File: VN077031.D
 Acq: 17 Mar 2023 12:14

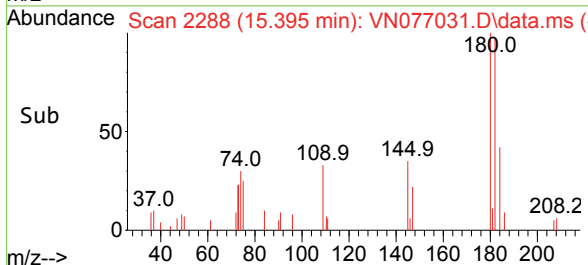
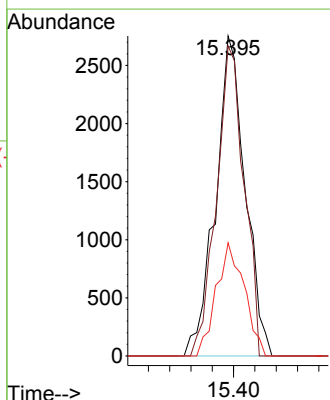
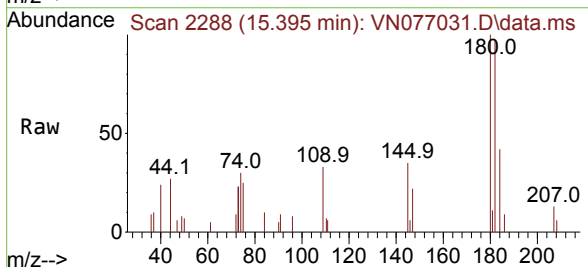
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

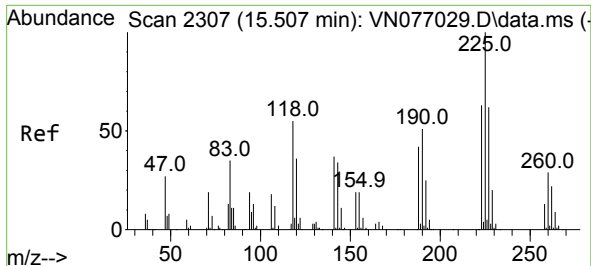
Tgt Ion: 75 Resp: 867
 Ion Ratio Lower Upper
 75 100
 155 41.3 36.1 108.3
 157 76.8 45.8 137.3



#93
 1,2,4-Trichlorobenzene
 Concen: 1.560 ug/l
 RT: 15.395 min Scan# 2288
 Delta R.T. 0.000 min
 Lab File: VN077031.D
 Acq: 17 Mar 2023 12:14

Tgt Ion: 180 Resp: 5310
 Ion Ratio Lower Upper
 180 100
 182 90.4 47.3 141.9
 145 33.4 16.9 50.7

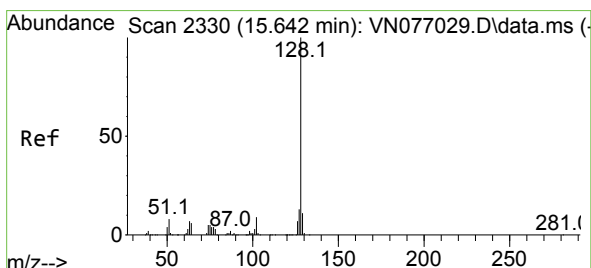
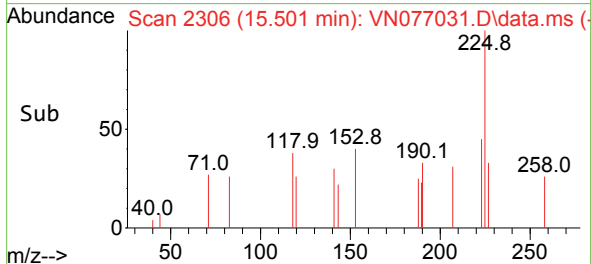
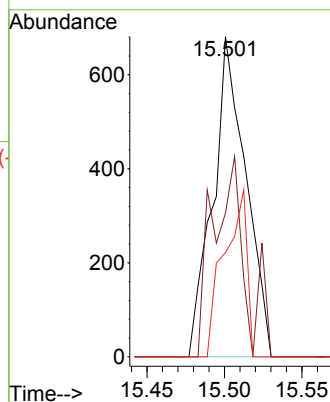
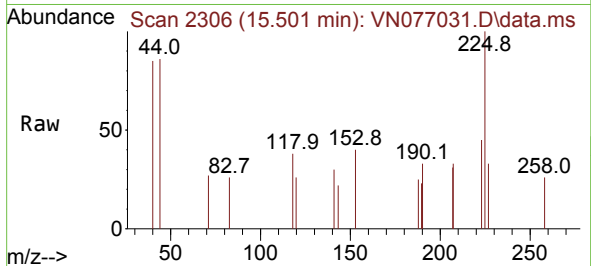




#94
Hexachlorobutadiene
Concen: 0.538 ug/l
RT: 15.501 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

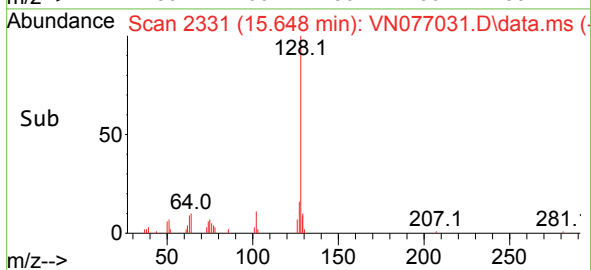
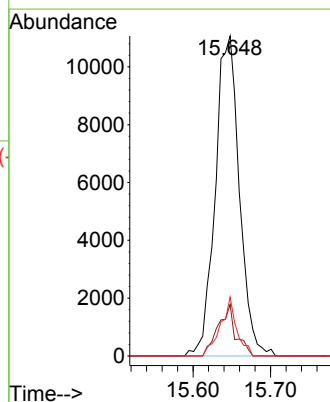
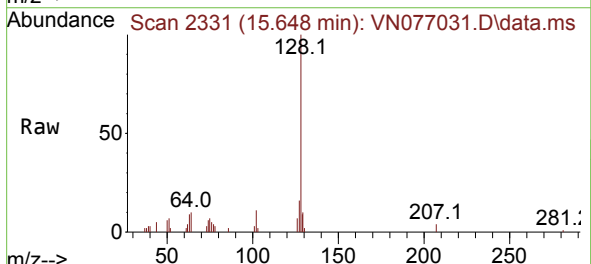
Instrument :
MSVOA_N
ClientSampleId :
IBLK

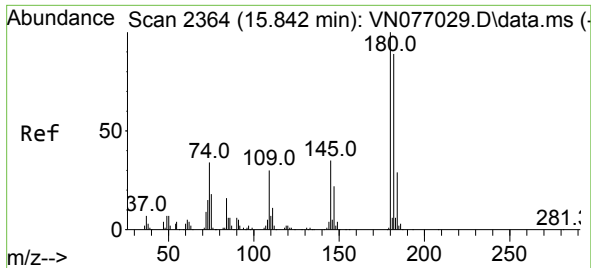
Tgt Ion:	225	Resp:	1008
Ion Ratio	Lower	Upper	
225	100		
223	52.4	31.6	95.0
227	36.2	31.3	93.8



#95
Naphthalene
Concen: 3.652 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN077031.D
Acq: 17 Mar 2023 12:14

Tgt Ion:	128	Resp:	23921
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.0	15.0
129	12.4	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.973 ug/l
 RT: 15.848 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN077031.D
 Acq: 17 Mar 2023 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:	180	Resp:	6736
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.2
145	36.1	17.9	53.8

