

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040523\
 Data File : VN077261.D
 Acq On : 05 Apr 2023 13:40
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 06 09:28:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	510281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	967071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	823972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	290398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	314651	45.116	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.240%
35) Dibromofluoromethane	8.172	113	287880	46.501	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.000%
50) Toluene-d8	10.572	98	1186416	47.604	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.200%
62) 4-Bromofluorobenzene	12.854	95	352820	42.565	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	2401	0.369	ug/l	97
3) Chloromethane	2.372	50	3148	0.390	ug/l #	74
4) Vinyl Chloride	2.519	62	3020	0.276	ug/l #	71
5) Bromomethane	2.984	94	10740	1.354	ug/l	84
6) Chloroethane	3.149	64	1856	0.238	ug/l #	41
10) Methyl Iodide	4.613	142	7254	1.027	ug/l #	84
13) Acrolein	4.190	56	2797	2.075	ug/l #	80
15) Acrylonitrile	5.731	53	2482	0.789	ug/l #	4
16) Acetone	4.466	43	3353	1.304	ug/l	90
17) Carbon Disulfide	4.719	76	15489	0.961	ug/l	97
20) Methylene Chloride	5.278	84	1781	0.245	ug/l #	59
21) trans-1,2-Dichloroethene	5.796	96	3261	0.498	ug/l #	73
23) Vinyl Acetate	6.619	43	5544	0.453	ug/l #	66
25) 2-Butanone	7.495	43	3481	0.834	ug/l	98
29) Tetrahydrofuran	7.866	42	1972	0.735	ug/l #	51
31) Cyclohexane	8.231	56	16064	1.482	ug/l #	45
36) 1,1-Dichloropropene	8.372	75	3072	0.336	ug/l #	90
38) Carbon Tetrachloride	8.231	117	54406	5.800	ug/l #	14
39) Methylcyclohexane	9.613	83	3239	0.262	ug/l #	76
42) 1,2-Dichloroethane	8.678	62	2006	0.228	ug/l	96
44) Trichloroethene	9.354	130	2440	0.357	ug/l	90
46) Dibromomethane	9.701	93	1510	0.295	ug/l #	76
48) Methyl methacrylate	9.689	41	1344	0.208	ug/l #	62
49) 1,4-Dioxane	9.713	88	544	3.480	ug/l #	20
51) 4-Methyl-2-Pentanone	10.448	43	5043	0.577	ug/l #	61
52) Toluene	10.625	92	3977	0.213	ug/l	95
53) t-1,3-Dichloropropene	10.848	75	2753	0.248	ug/l #	79
56) Ethyl methacrylate	10.878	69	3865	0.338	ug/l #	78
59) 2-Hexanone	11.201	43	13610	2.091	ug/l	91
61) 1,2-Dibromoethane	11.460	107	1477	0.202	ug/l	100
64) Tetrachloroethene	11.119	164	1885	0.370	ug/l #	72
65) Chlorobenzene	11.895	112	7039	0.388	ug/l #	83
67) Ethyl Benzene	11.966	91	10281	0.307	ug/l	89
68) m/p-Xylenes	12.083	106	8709	0.662	ug/l	99
69) o-Xylene	12.407	106	3039	0.234	ug/l	82
70) Styrene	12.413	104	7971	0.382	ug/l	98

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

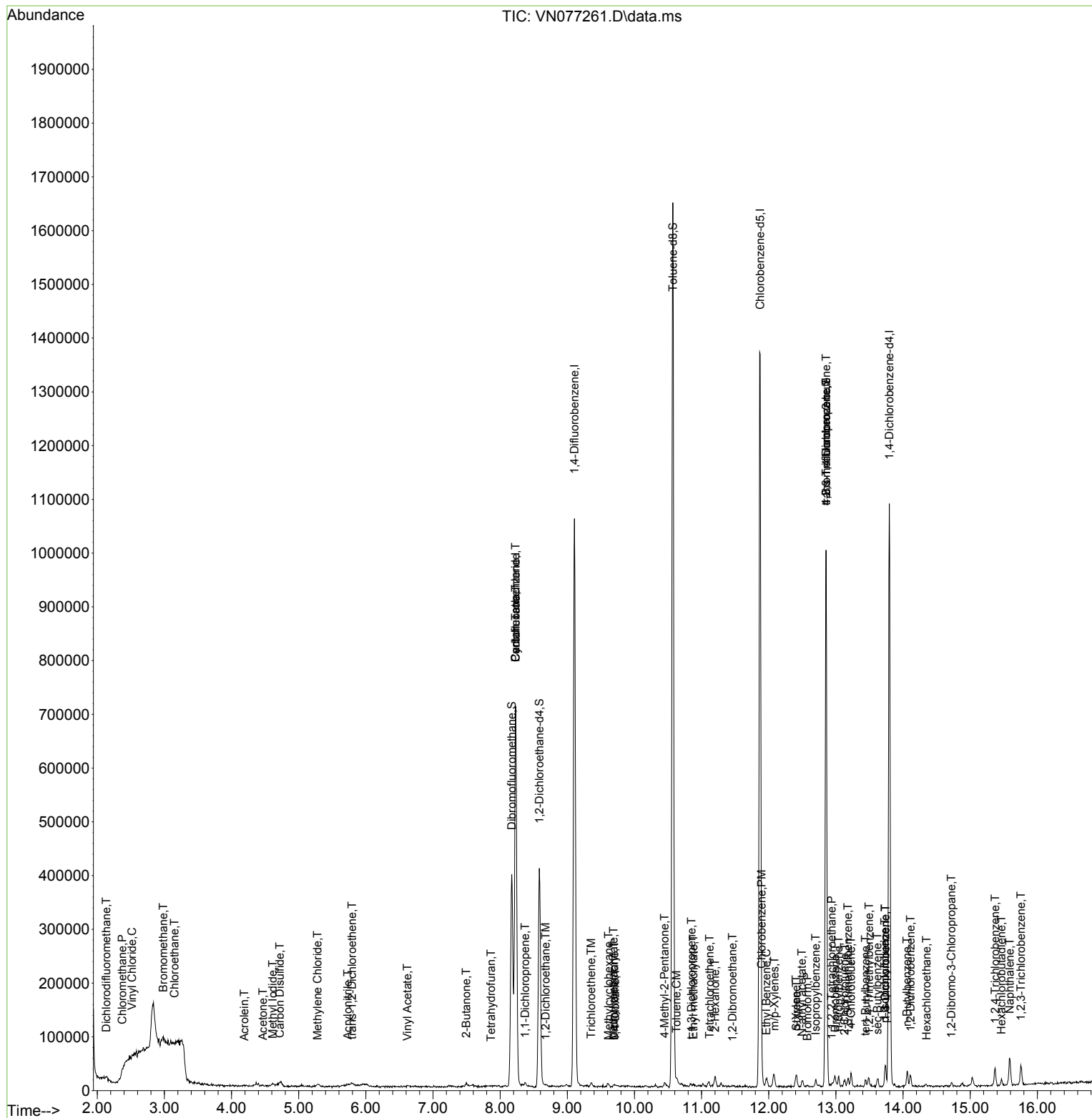
71) Bromoform	12.577	173	971	0.201	ug/l #	29
73) Isopropylbenzene	12.701	105	7485	0.265	ug/l	91
74) N-amyl acetate	12.495	43	8241	0.771	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.936	83	2610	0.295	ug/l #	72
76) 1,2,3-Trichloropropane	12.854	75	181612	26.263	ug/l #	1
77) Bromobenzene	12.989	156	3548	0.619	ug/l	88
78) n-propylbenzene	13.042	91	16209	0.520	ug/l	96
79) 2-Chlorotoluene	13.130	91	7301	0.389	ug/l	91
80) 1,3,5-Trimethylbenzene	13.177	105	7070	0.314	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.854	75	181612	59.100	ug/l #	13
82) 4-Chlorotoluene	13.224	91	14644	0.828	ug/l	93
83) tert-Butylbenzene	13.442	119	5523	0.275	ug/l	82
84) 1,2,4-Trimethylbenzene	13.495	105	9651	0.434	ug/l	92
85) sec-Butylbenzene	13.619	105	11904	0.426	ug/l	93
86) p-Isopropyltoluene	13.730	119	11076	0.504	ug/l	94
87) 1,3-Dichlorobenzene	13.736	146	10097	0.952	ug/l	98
88) 1,4-Dichlorobenzene	13.736	146	10097	0.965	ug/l	98
89) n-Butylbenzene	14.060	91	16814	0.922	ug/l	97
90) Hexachloroethane	14.348	117	1285	0.268	ug/l #	49
91) 1,2-Dichlorobenzene	14.113	146	8073	0.761	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.718	75	1555	0.927	ug/l	67
93) 1,2,4-Trichlorobenzene	15.371	180	9185	2.397	ug/l	97
94) Hexachlorobutadiene	15.465	225	1479	0.667	ug/l	89
95) Naphthalene	15.589	128	46883	3.257	ug/l	99
96) 1,2,3-Trichlorobenzene	15.754	180	10162	2.773	ug/l	93

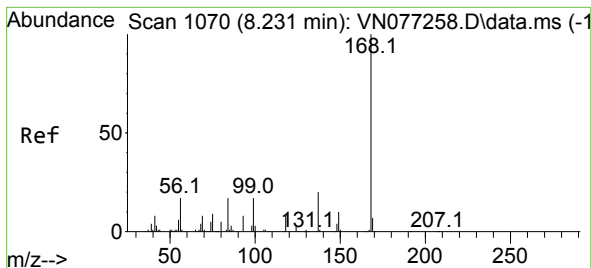
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

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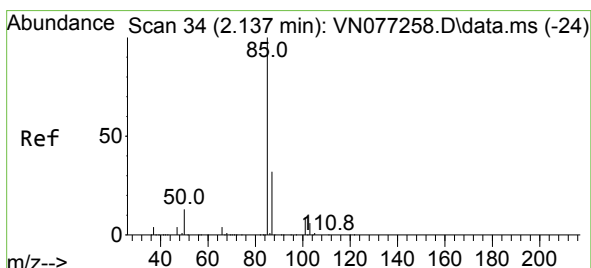
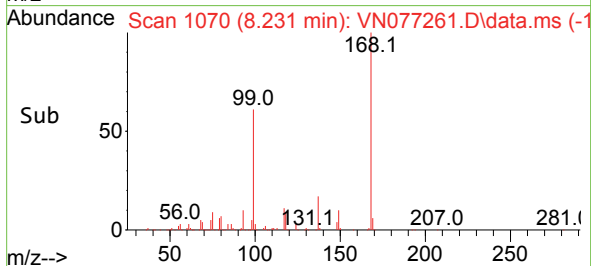
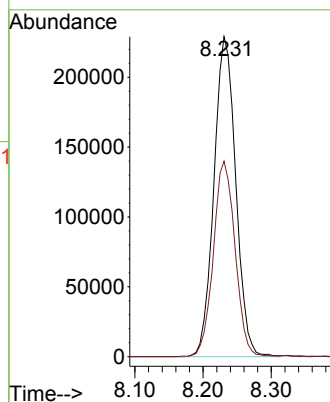
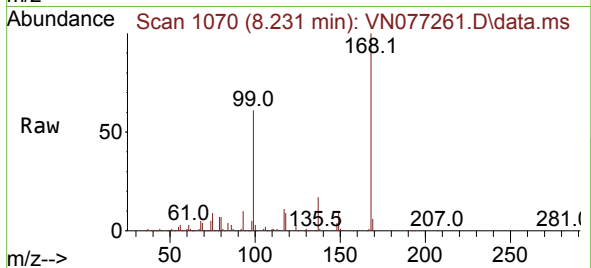
IBLK

Tgt Ion:168 Resp: 510281

Ion Ratio Lower Upper

168 100

99 61.0 50.6 75.8



#2

Dichlorodifluoromethane

Concen: 0.369 ug/l

RT: 2.137 min Scan# 34

Delta R.T. -0.000 min

Lab File: VN077261.D

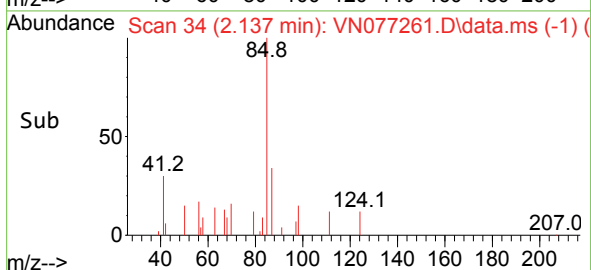
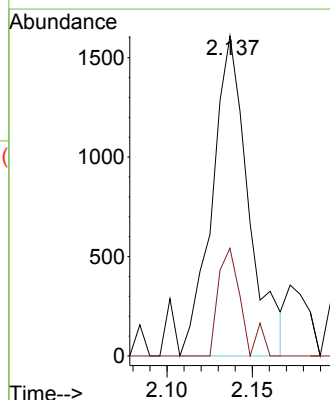
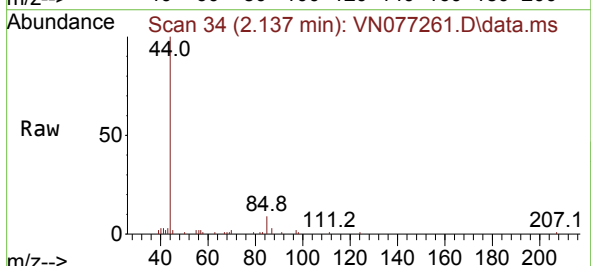
Acq: 05 Apr 2023 13:40

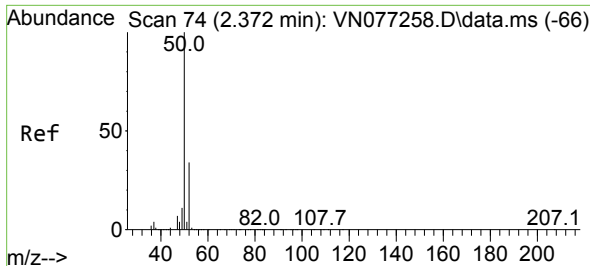
Tgt Ion: 85 Resp: 2401

Ion Ratio Lower Upper

85 100

87 33.7 16.1 48.2

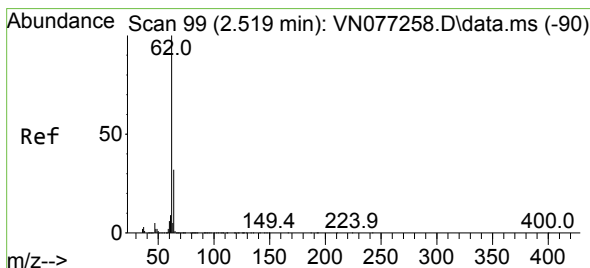
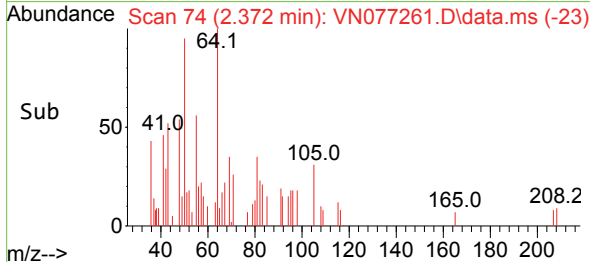
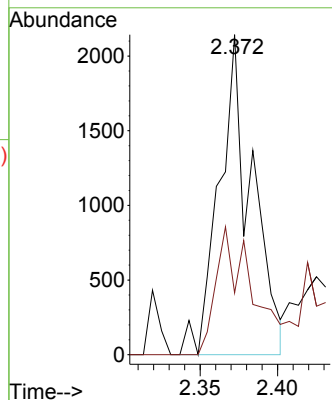
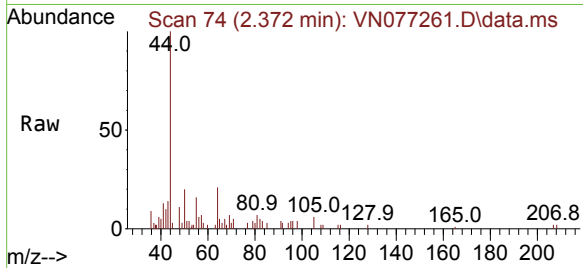




#3
Chloromethane
Concen: 0.390 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

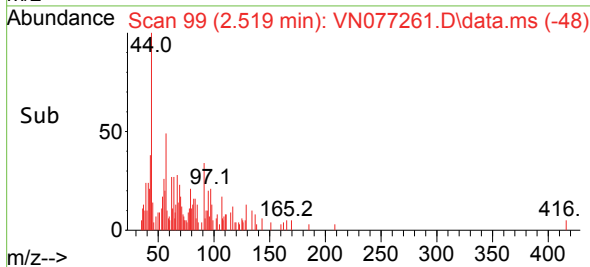
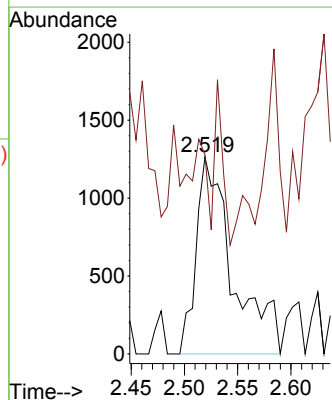
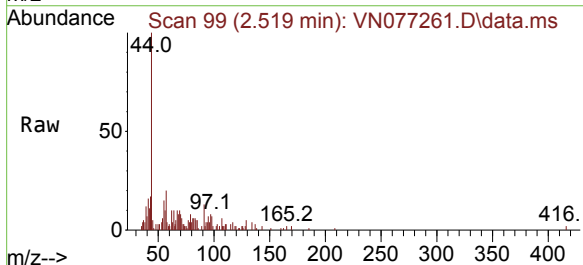
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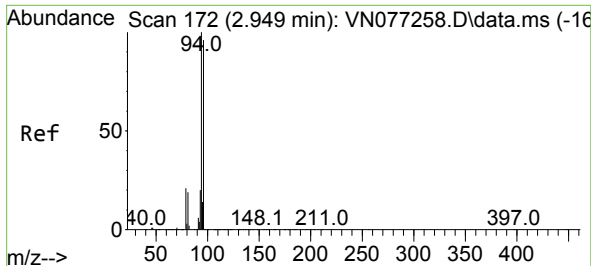
Tgt Ion: 50 Resp: 3148
Ion Ratio Lower Upper
50 100
52 19.3 27.3 40.9#



#4
Vinyl Chloride
Concen: 0.276 ug/l
RT: 2.519 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion: 62 Resp: 3020
Ion Ratio Lower Upper
62 100
64 15.8 25.8 38.8#

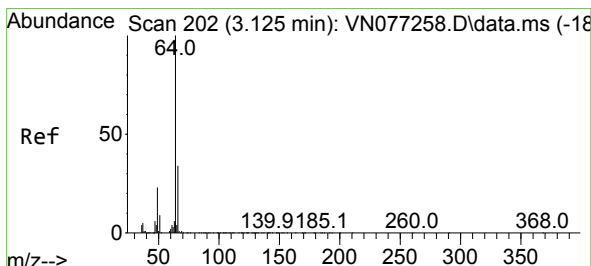
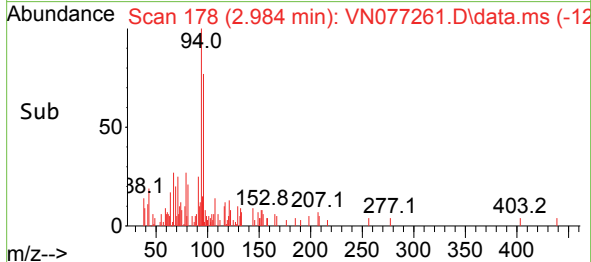
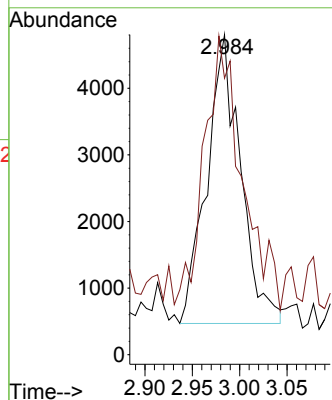
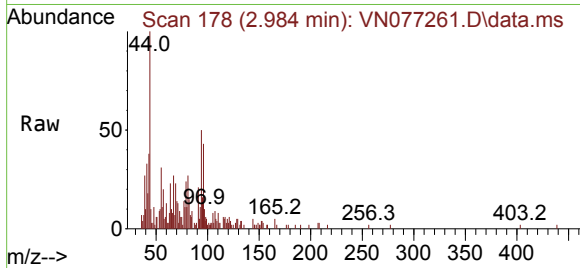




#5
Bromomethane
Concen: 1.354 ug/l
RT: 2.984 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

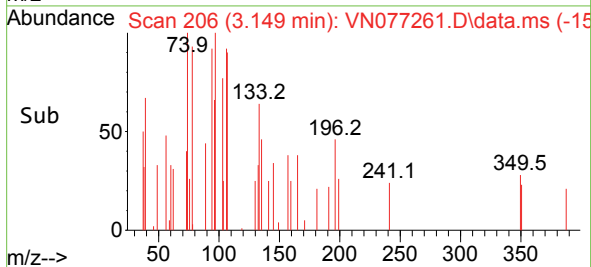
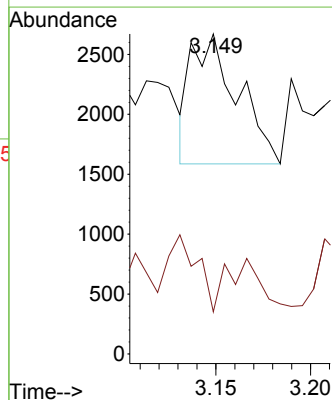
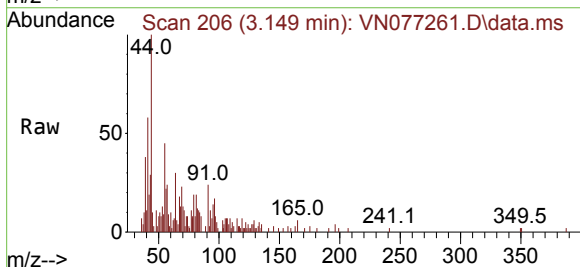
Instrument :
MSVOA_N
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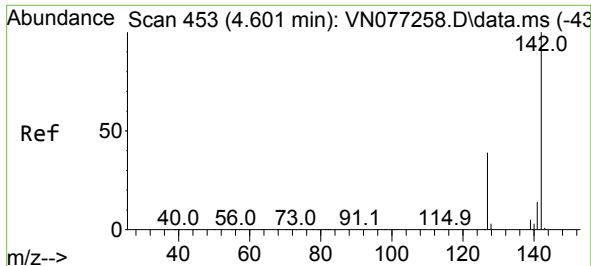
Tgt Ion: 94 Resp: 10740
Ion Ratio Lower Upper
94 100
96 80.4 77.0 115.4



#6
Chloroethane
Concen: 0.238 ug/l
RT: 3.149 min Scan# 206
Delta R.T. 0.024 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion: 64 Resp: 1856
Ion Ratio Lower Upper
64 100
66 0.0 26.9 40.3#





#10
Methyl Iodide

Concen: 1.027 ug/l

RT: 4.613 min Scan# 4

Delta R.T. 0.012 min

Lab File: VN077261.D

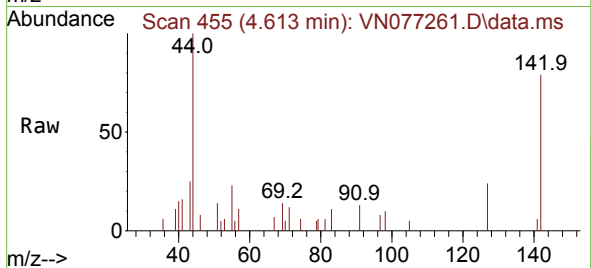
Acq: 05 Apr 2023 13:40

Instrument :

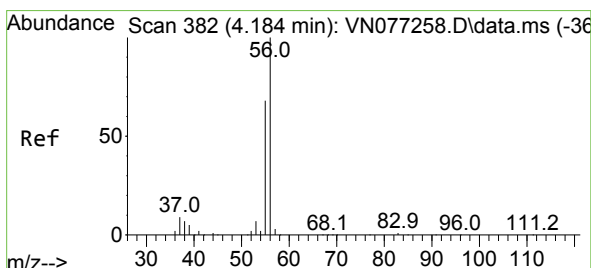
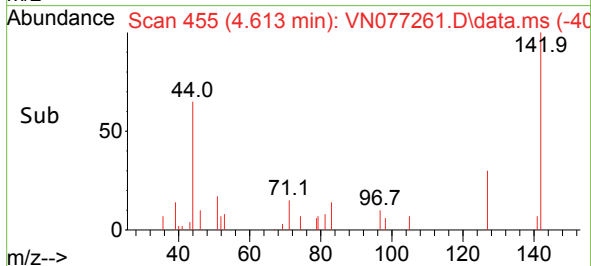
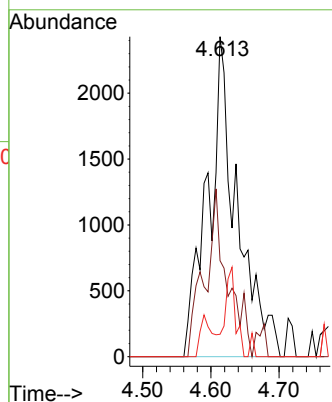
MSVOA_N

ClientSampleId :

IBLK



Tgt Ion:142	Resp:	7254
Ion Ratio	Lower	Upper
142	100	
127	30.0	31.5 47.3#
141	7.0	11.4 17.2#



#13

Acrolein

Concen: 2.075 ug/l

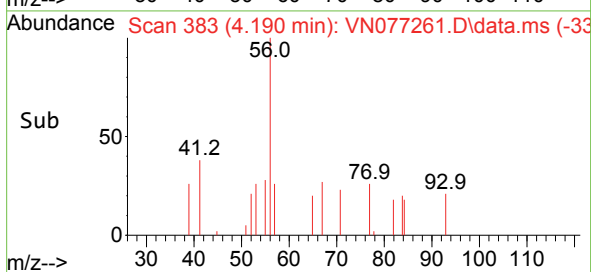
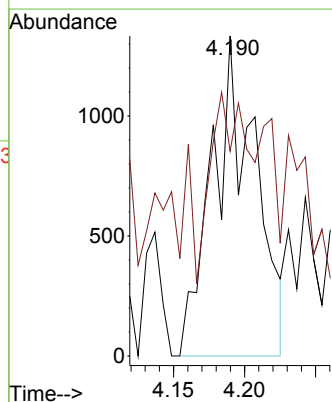
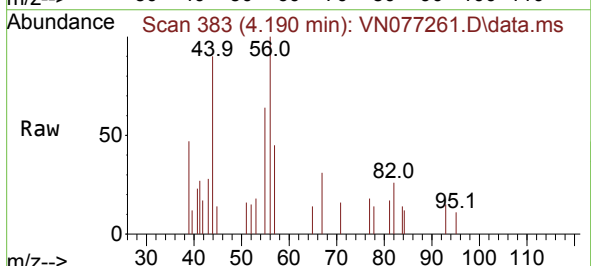
RT: 4.190 min Scan# 383

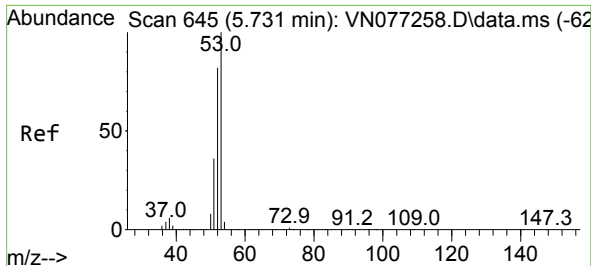
Delta R.T. 0.006 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Tgt Ion: 56	Resp:	2797
Ion Ratio	Lower	Upper
56	100	
55	51.4	54.2 81.2#

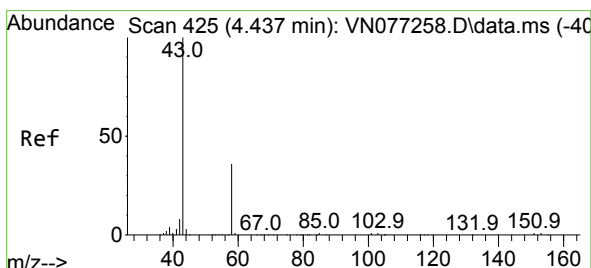
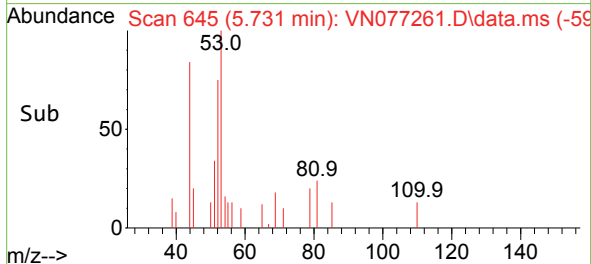
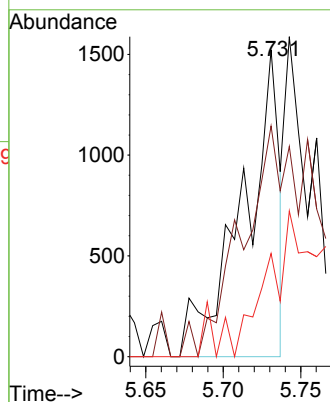
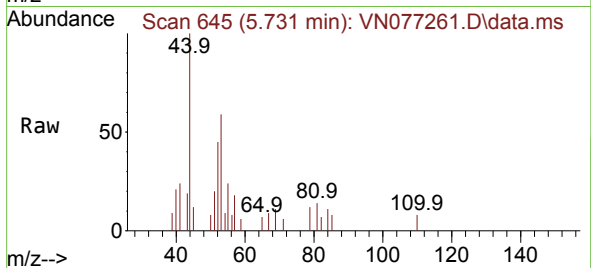




#15
Acrylonitrile
Concen: 0.789 ug/l
RT: 5.731 min Scan# 645
Delta R.T. -0.000 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

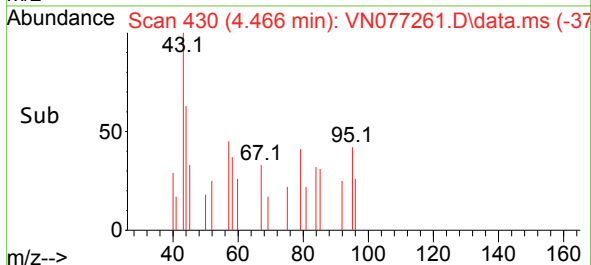
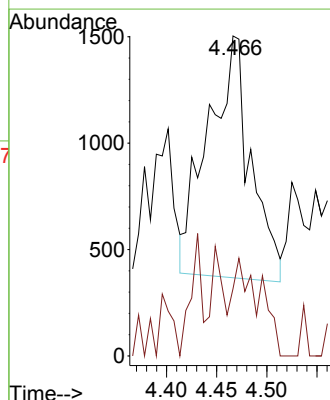
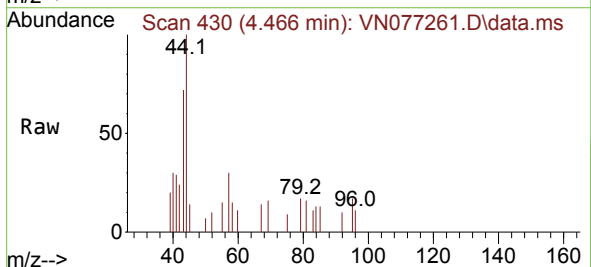
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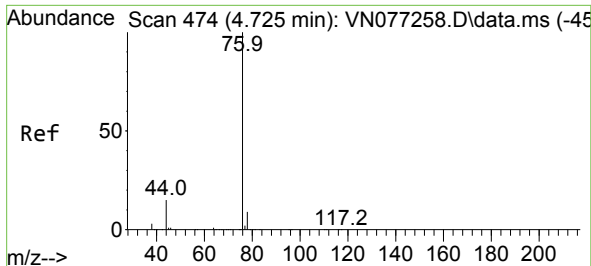
Tgt Ion: 53 Resp: 2482
Ion Ratio Lower Upper
53 100
52 178.1 65.2 97.8#
51 74.9 28.1 42.1#



#16
Acetone
Concen: 1.304 ug/l
RT: 4.466 min Scan# 430
Delta R.T. 0.029 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion: 43 Resp: 3353
Ion Ratio Lower Upper
43 100
58 30.1 29.0 43.6





#17

Carbon Disulfide

Concen: 0.961 ug/l

RT: 4.719 min Scan# 473

Delta R.T. -0.006 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

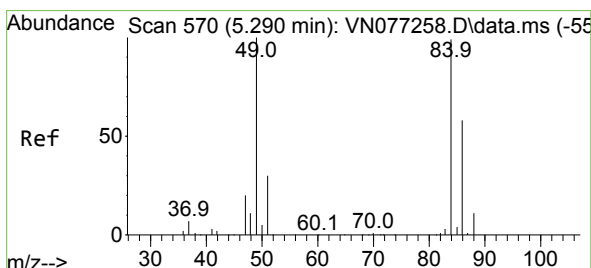
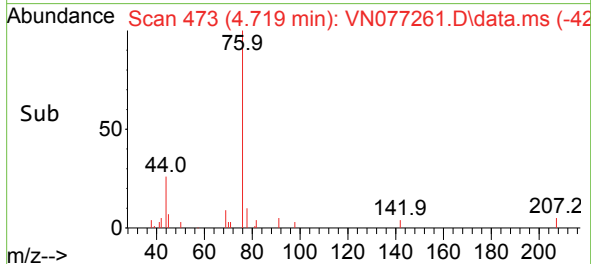
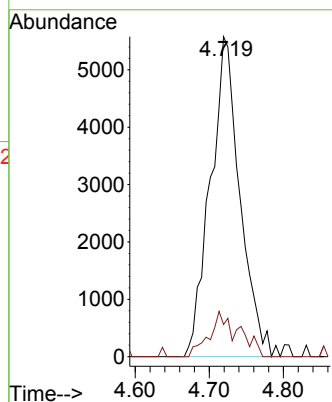
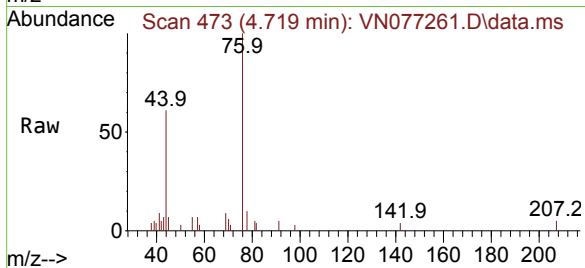
IBLK

Tgt Ion: 76 Resp: 15489

Ion Ratio Lower Upper

76 100

78 10.1 7.3 10.9



#20

Methylene Chloride

Concen: 0.245 ug/l

RT: 5.278 min Scan# 568

Delta R.T. -0.012 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Tgt Ion: 84 Resp: 1781

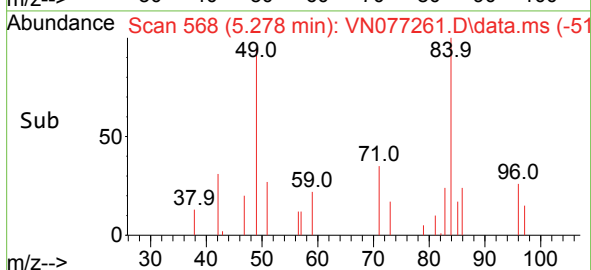
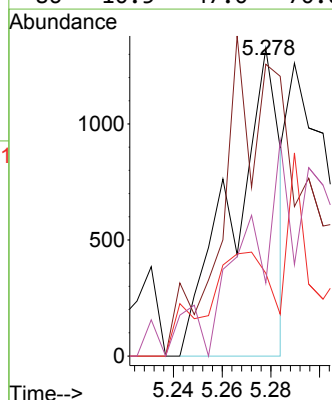
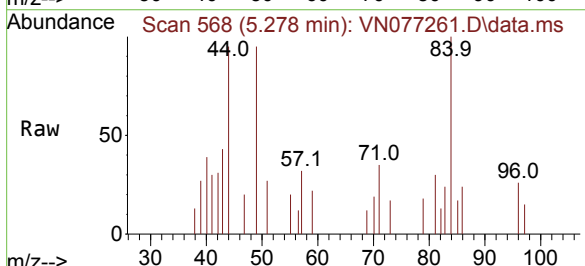
Ion Ratio Lower Upper

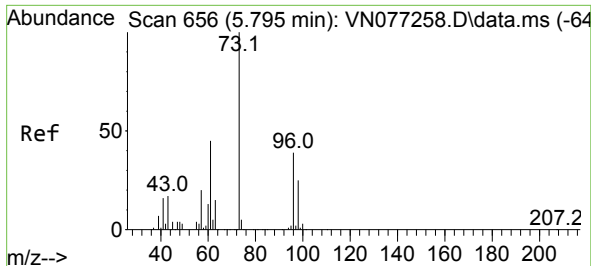
84 100

49 71.1 80.6 121.0#

51 13.4 24.4 36.6#

86 10.5 47.0 70.6#

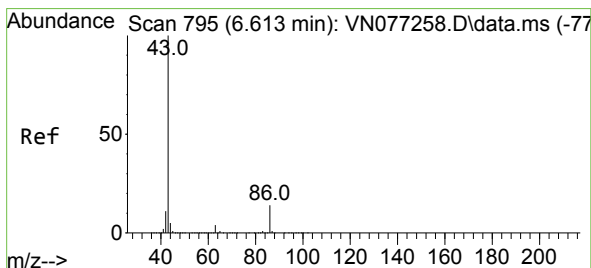
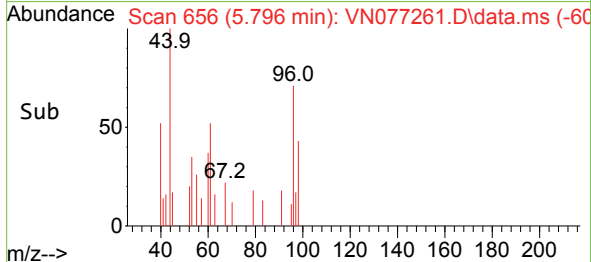
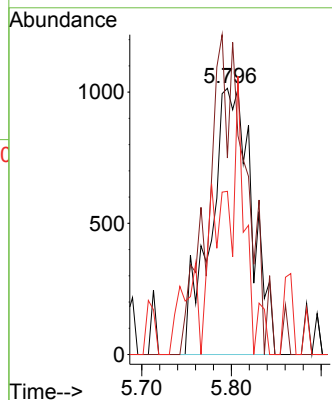
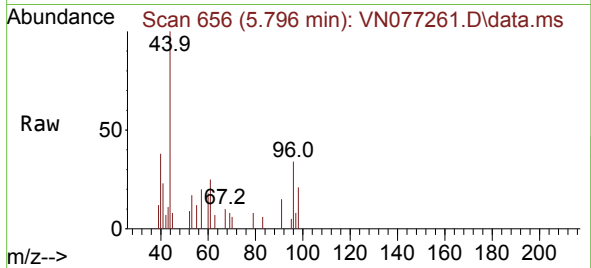




#21
trans-1,2-Dichloroethene
Concen: 0.498 ug/l
RT: 5.796 min Scan# 61
Delta R.T. 0.001 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

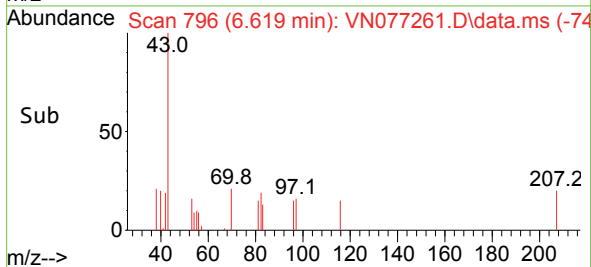
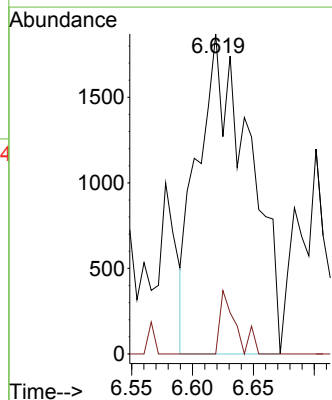
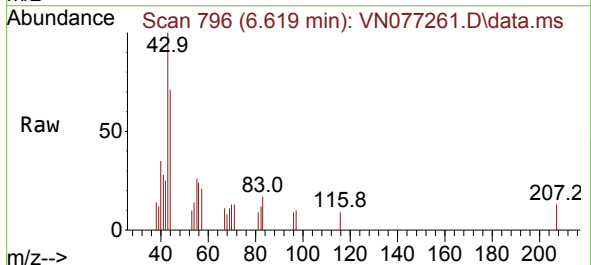
Instrument :
MSVOA_N
ClientSampleId :
IBLK

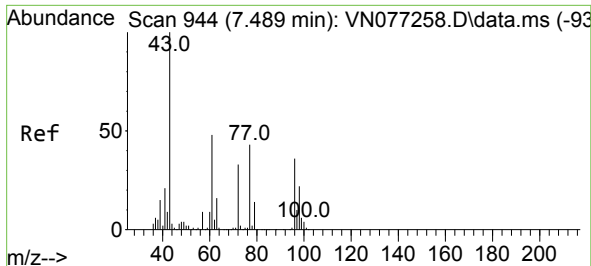
Tgt Ion: 96 Resp: 3261
Ion Ratio Lower Upper
96 100
61 73.8 93.8 140.6#
98 61.3 50.9 76.3



#23
Vinyl Acetate
Concen: 0.453 ug/l
RT: 6.619 min Scan# 796
Delta R.T. 0.006 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion: 43 Resp: 5544
Ion Ratio Lower Upper
43 100
86 0.0 11.2 16.8#





#25

2-Butanone

Concen: 0.834 ug/l

RT: 7.495 min Scan# 944

Delta R.T. 0.006 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

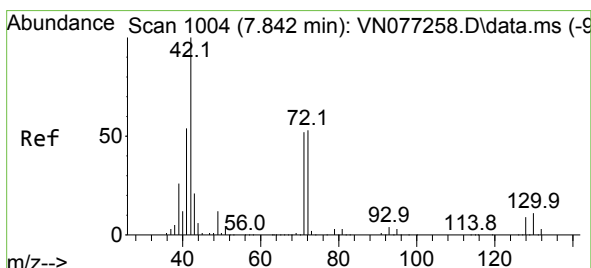
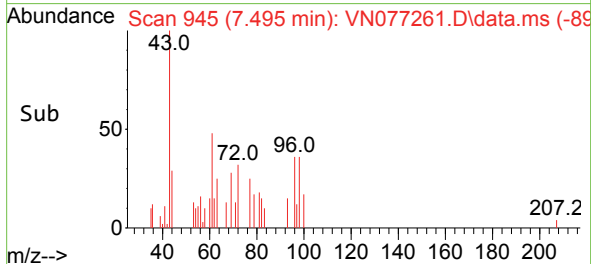
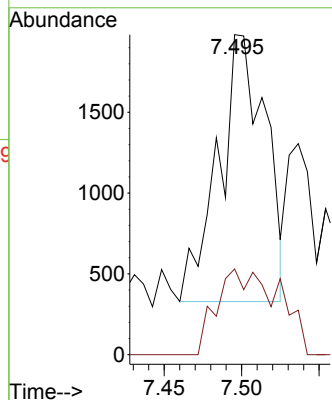
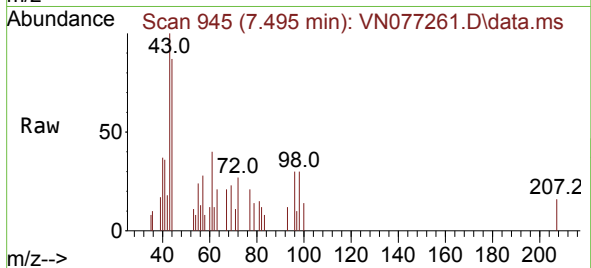
IBLK

Tgt Ion: 43 Resp: 3481

Ion Ratio Lower Upper

43 100

72 32.2 26.6 39.8



#29

Tetrahydrofuran

Concen: 0.735 ug/l

RT: 7.866 min Scan# 1008

Delta R.T. 0.024 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

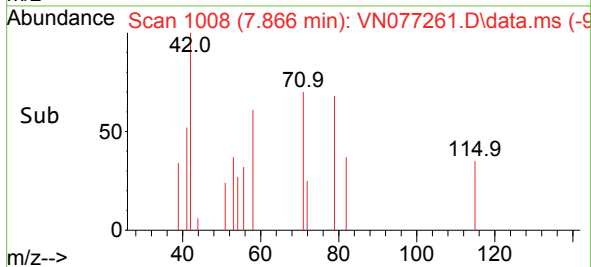
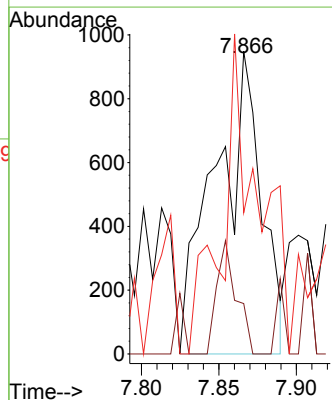
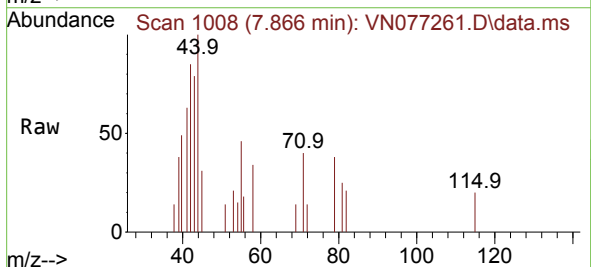
Tgt Ion: 42 Resp: 1972

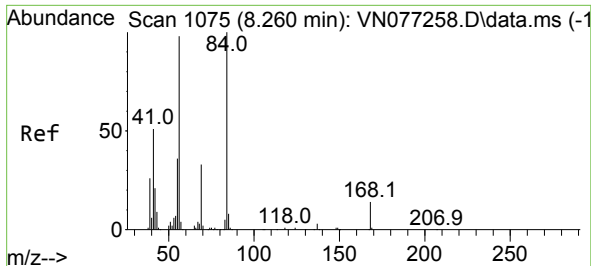
Ion Ratio Lower Upper

42 100

72 16.0 44.6 66.8#

71 82.2 41.3 61.9#

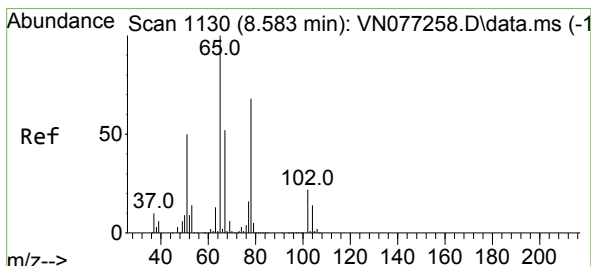
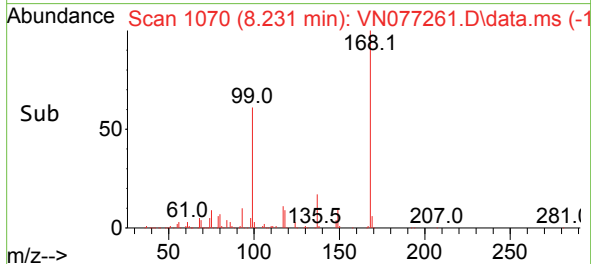
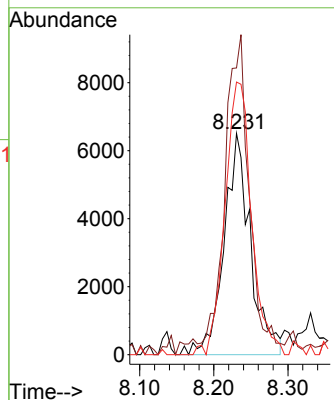
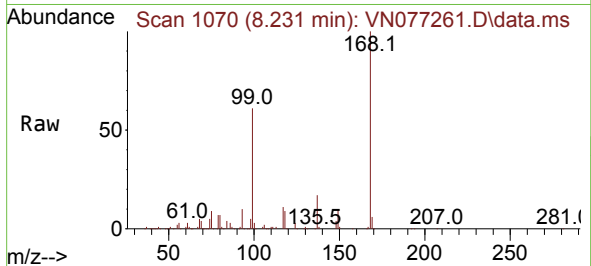




#31
Cyclohexane
Concen: 1.482 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.029 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

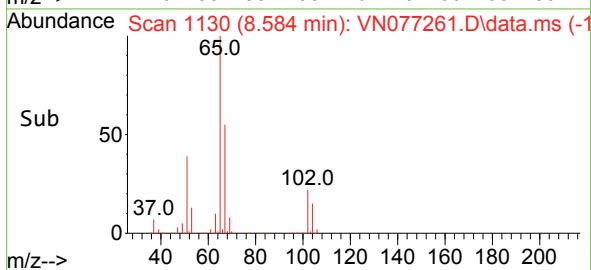
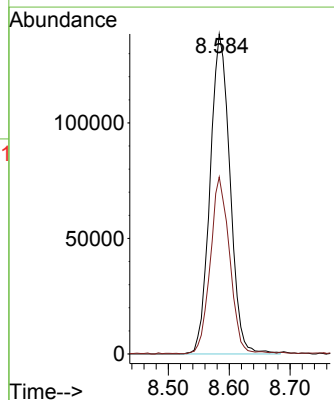
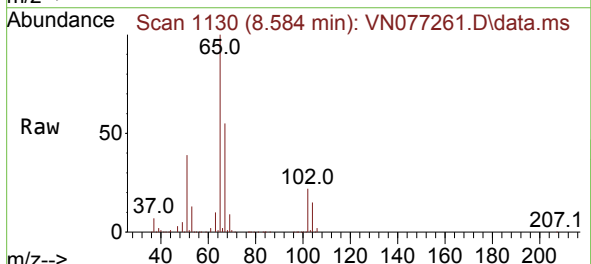
Instrument :
MSVOA_N
ClientSampleId :
IBLK

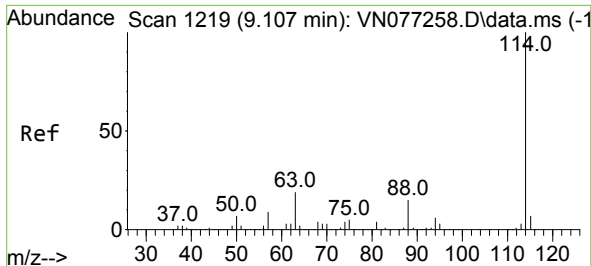
Tgt Ion: 56 Resp: 16064
Ion Ratio Lower Upper
56 100
69 124.5 26.6 40.0#
84 123.2 81.8 122.8#



#33
1,2-Dichloroethane-d4
Concen: 45.116 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion: 65 Resp: 314651
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

IBLK

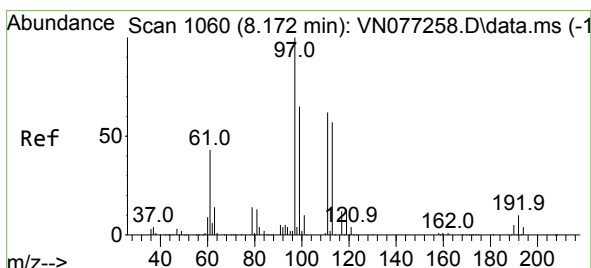
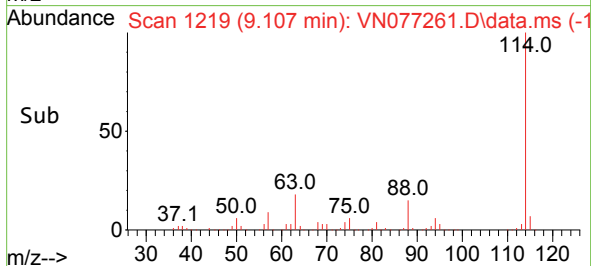
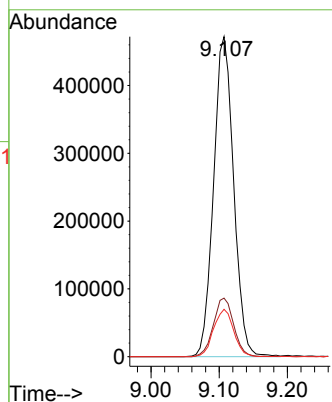
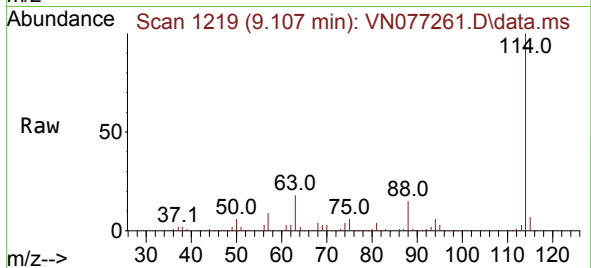
Tgt Ion:114 Resp: 967071

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.8

88 14.8 0.0 29.4



#35

Dibromofluoromethane

Concen: 46.501 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

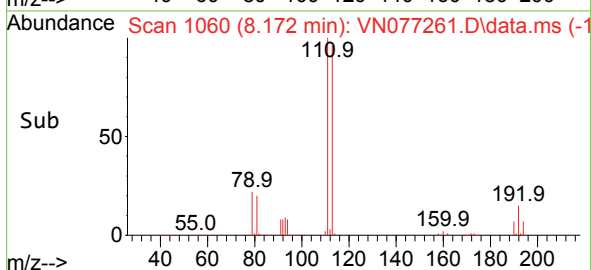
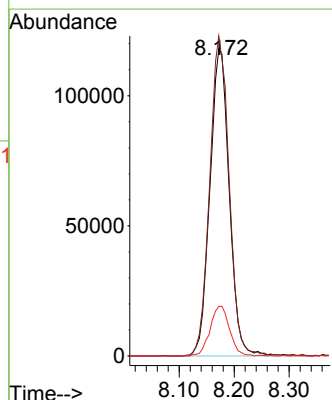
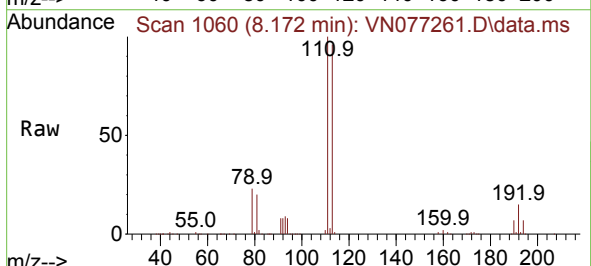
Tgt Ion:113 Resp: 287880

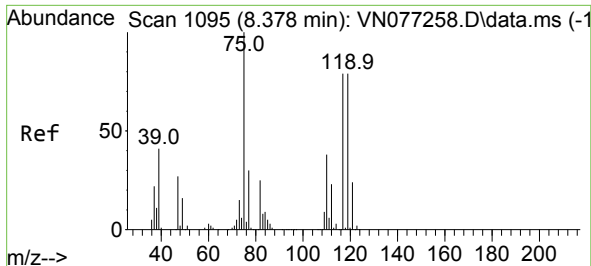
Ion Ratio Lower Upper

113 100

111 105.2 83.4 125.0

192 16.4 13.5 20.3

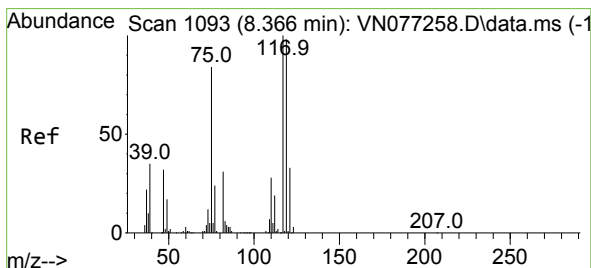
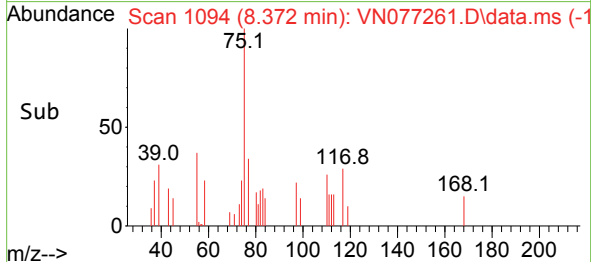
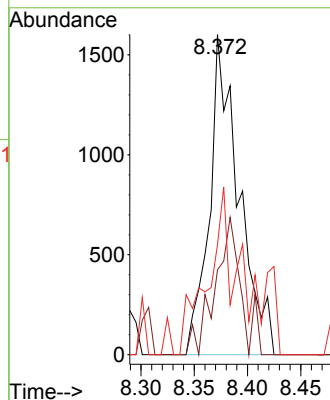
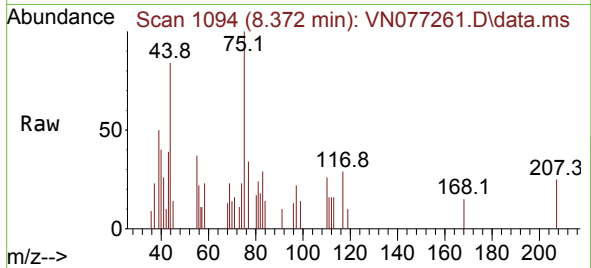




#36
 1,1-Dichloropropene
 Concen: 0.336 ug/l
 RT: 8.372 min Scan# 1094
 Delta R.T. -0.006 min
 Lab File: VN077261.D
 Acq: 05 Apr 2023 13:40

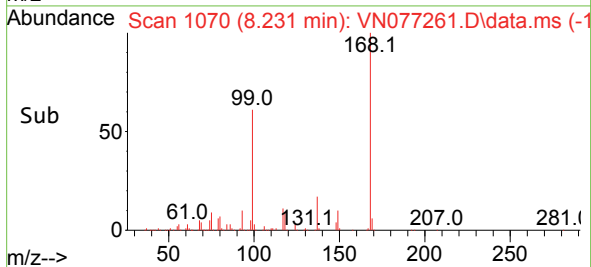
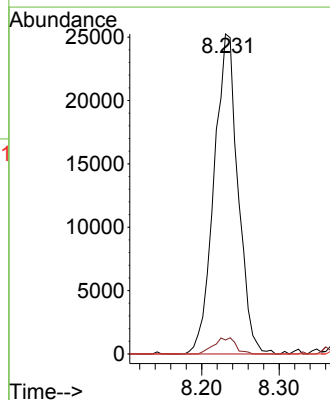
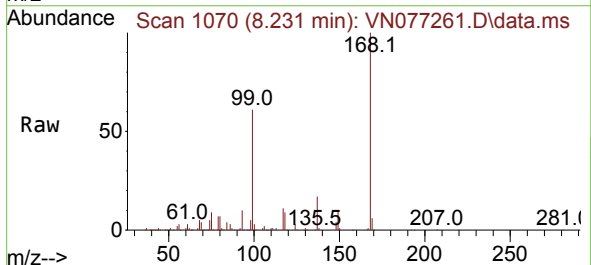
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

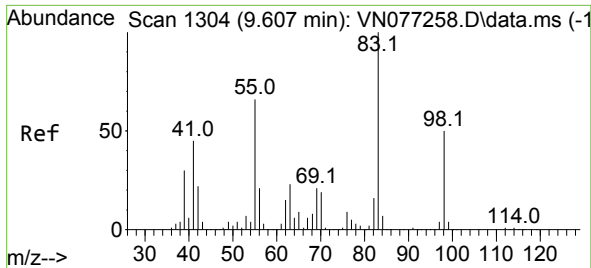
Tgt Ion: 75 Resp: 3072
 Ion Ratio Lower Upper
 75 100
 110 37.6 17.8 53.5
 77 41.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.800 ug/l
 RT: 8.231 min Scan# 1070
 Delta R.T. -0.135 min
 Lab File: VN077261.D
 Acq: 05 Apr 2023 13:40

Tgt Ion: 117 Resp: 54406
 Ion Ratio Lower Upper
 117 100
 119 4.3 78.5 117.7#
 121 0.0 26.6 40.0#





#39

Methylcyclohexane

Concen: 0.262 ug/l

RT: 9.613 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

IBLK

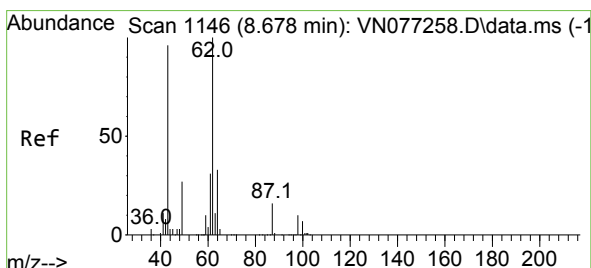
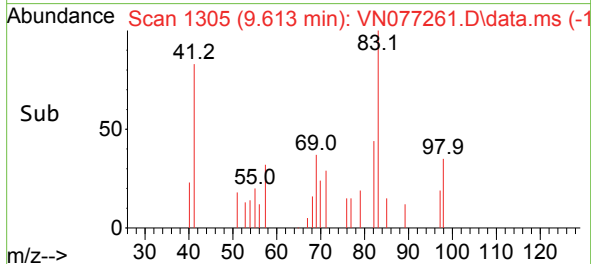
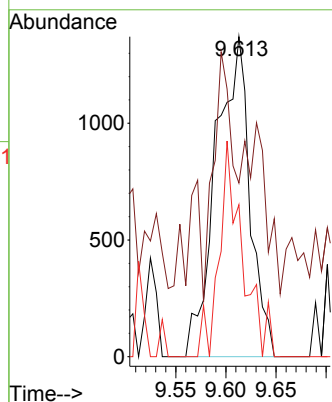
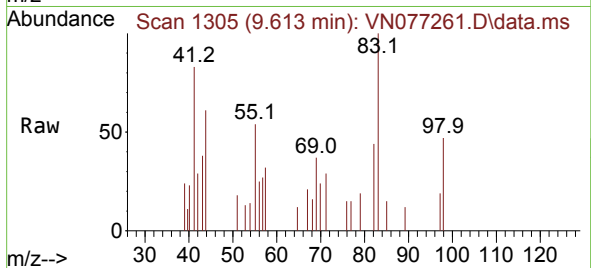
Tgt Ion: 83 Resp: 3239

Ion Ratio Lower Upper

83 100

55 34.6 52.4 78.6#

98 47.5 39.8 59.6



#42

1,2-Dichloroethane

Concen: 0.228 ug/l

RT: 8.678 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN077261.D

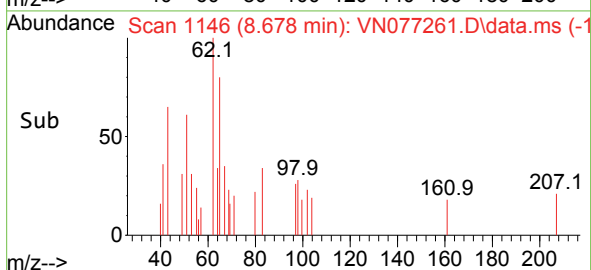
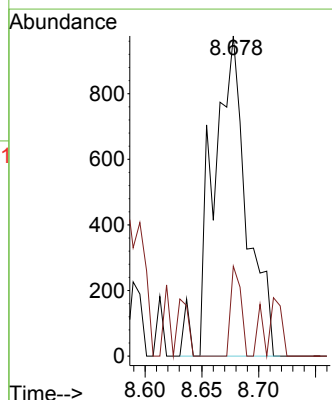
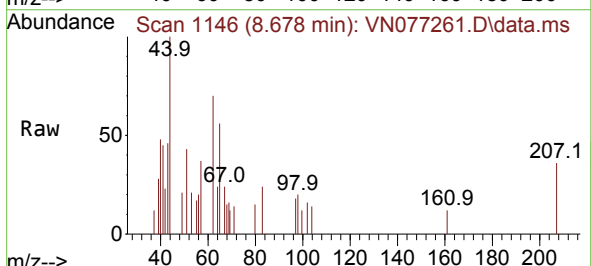
Acq: 05 Apr 2023 13:40

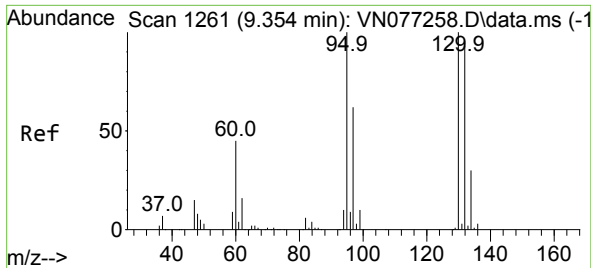
Tgt Ion: 62 Resp: 2006

Ion Ratio Lower Upper

62 100

98 8.5 0.0 20.2

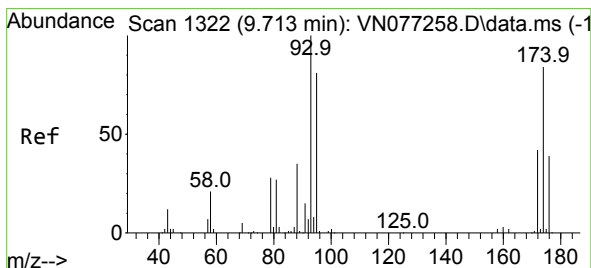
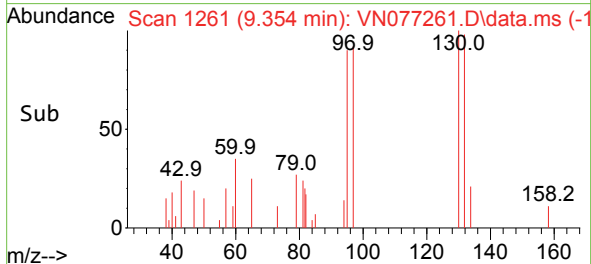
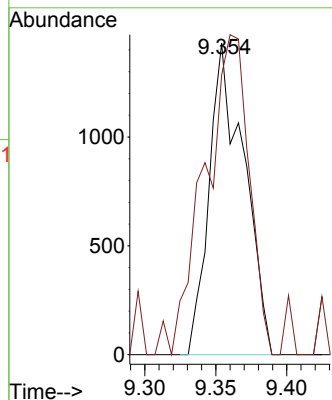
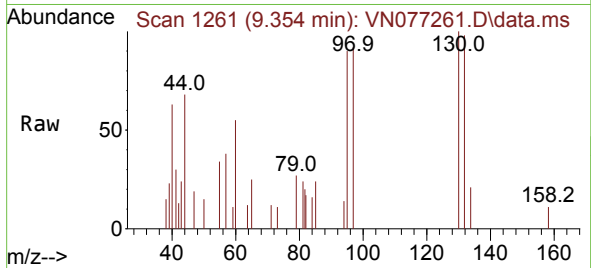




#44
Trichloroethene
Concen: 0.357 ug/l
RT: 9.354 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

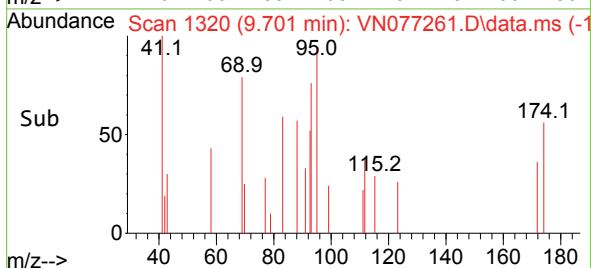
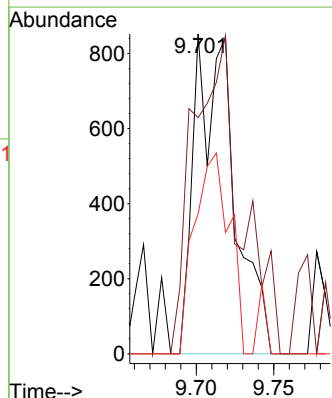
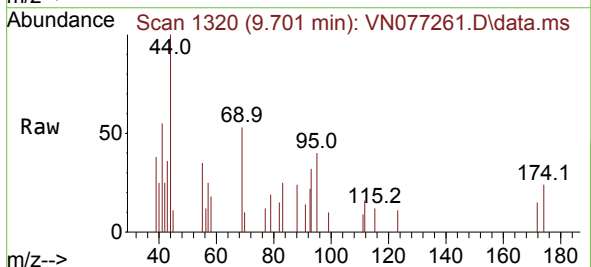
Instrument :
MSVOA_N
ClientSampleId :
IBLK

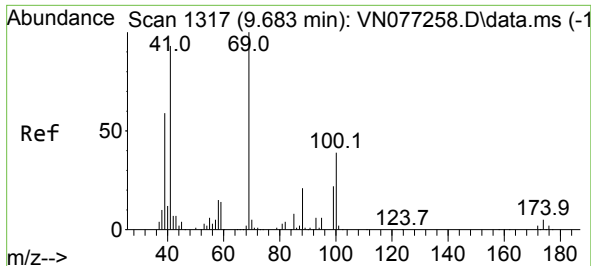
Tgt Ion:130 Resp: 2440
Ion Ratio Lower Upper
130 100
95 89.9 0.0 200.2



#46
Dibromomethane
Concen: 0.295 ug/l
RT: 9.701 min Scan# 1320
Delta R.T. -0.012 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion: 93 Resp: 1510
Ion Ratio Lower Upper
93 100
95 99.7 65.8 98.6#
174 56.2 66.0 99.0#





#48

Methyl methacrylate

Concen: 0.208 ug/l

RT: 9.689 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

IBLK

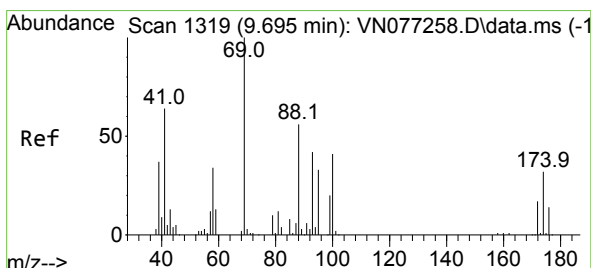
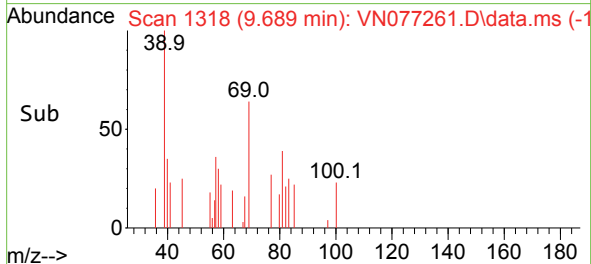
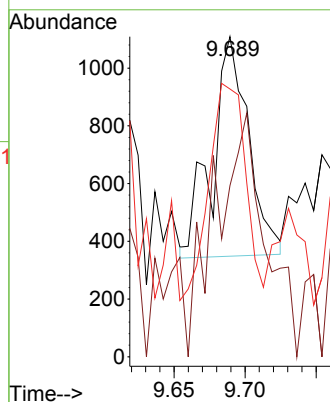
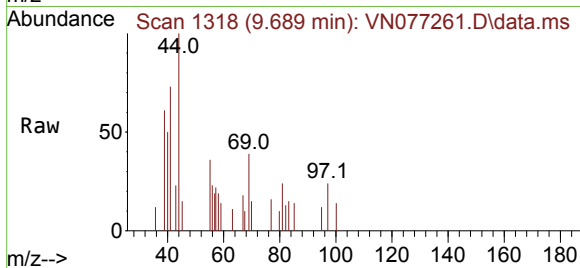
Tgt Ion: 41 Resp: 1344

Ion Ratio Lower Upper

41 100

69 152.2 85.0 127.6#

39 89.8 53.5 80.3#



#49

1,4-Dioxane

Concen: 3.480 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. 0.018 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

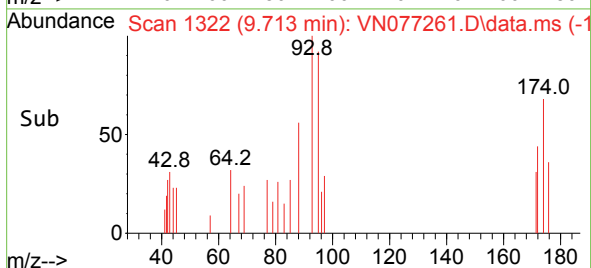
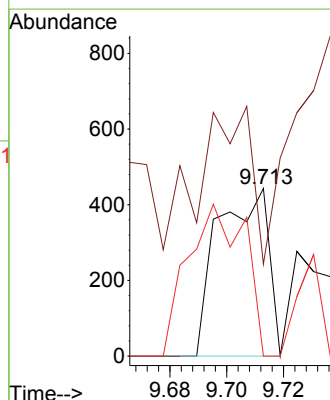
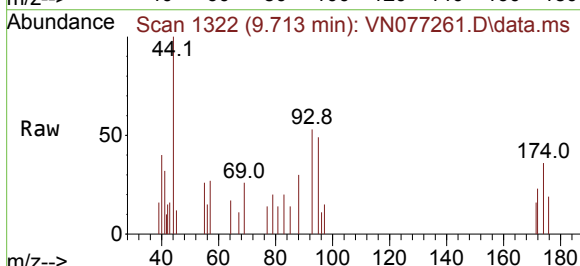
Tgt Ion: 88 Resp: 544

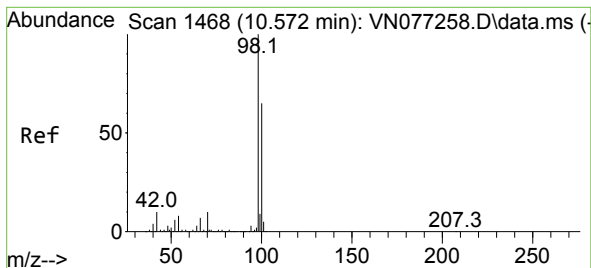
Ion Ratio Lower Upper

88 100

43 97.6 17.0 25.6#

58 102.4 49.8 74.6#

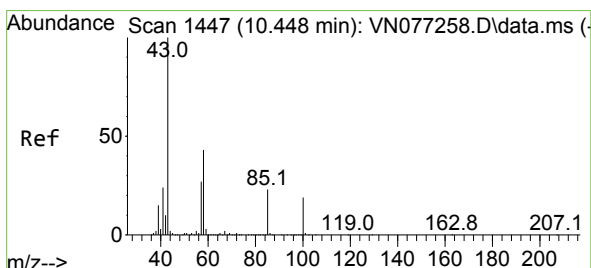
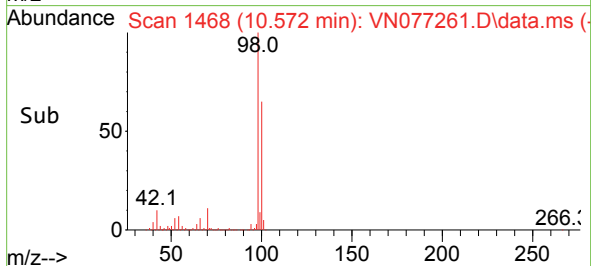
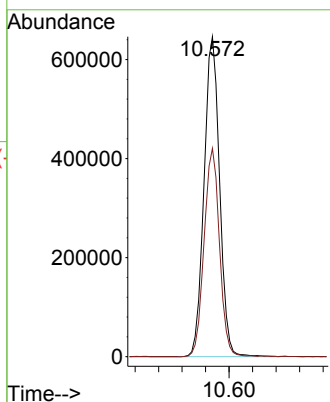
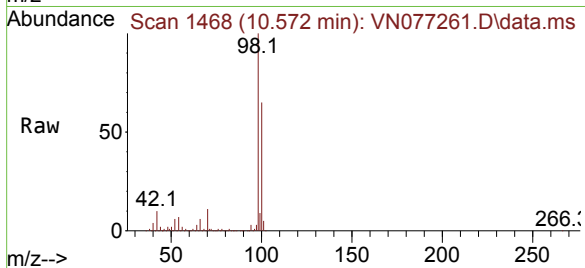




#50
Toluene-d8
Concen: 47.604 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

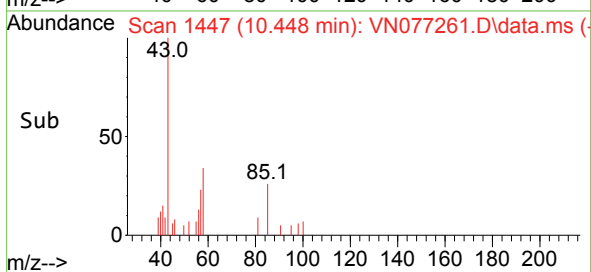
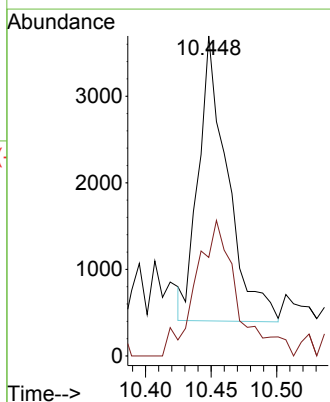
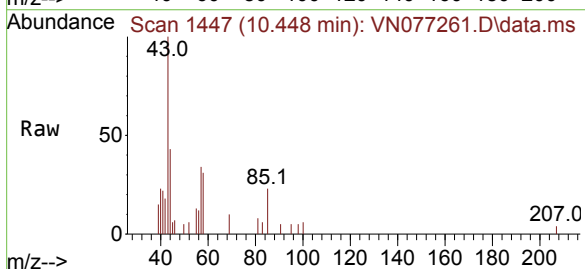
Instrument :
MSVOA_N
ClientSampleId :
IBLK

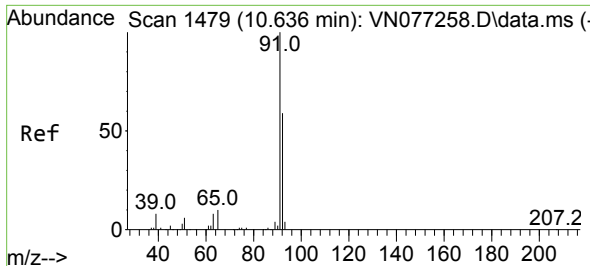
Tgt Ion: 98 Resp: 1186416
Ion Ratio Lower Upper
98 100
100 64.4 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.577 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion: 43 Resp: 5043
Ion Ratio Lower Upper
43 100
58 68.2 34.6 52.0#

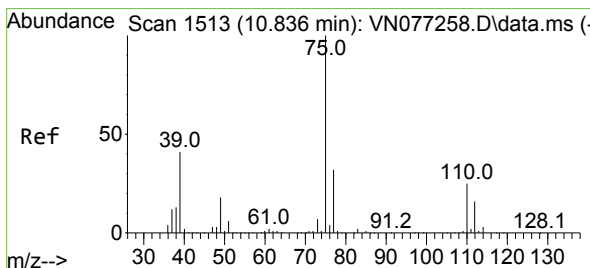
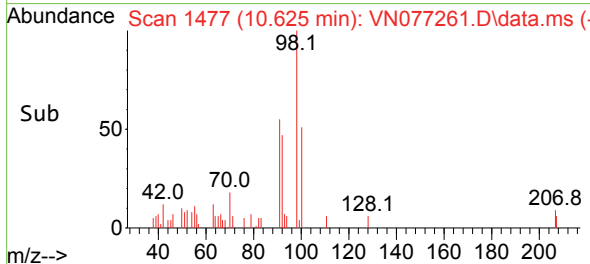
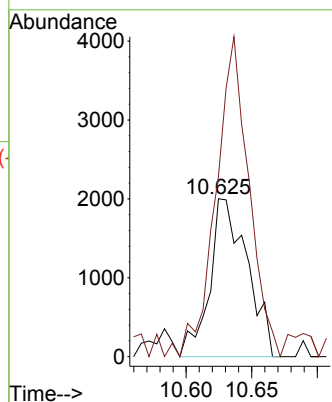
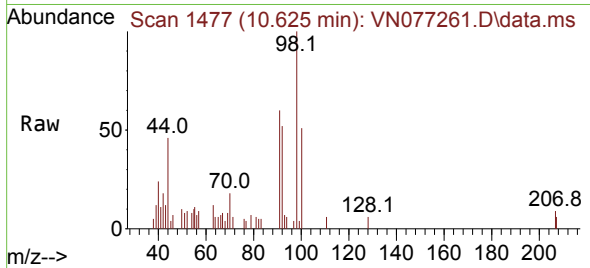




#52
Toluene
Concen: 0.213 ug/l
RT: 10.625 min Scan# 1479
Delta R.T. -0.011 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

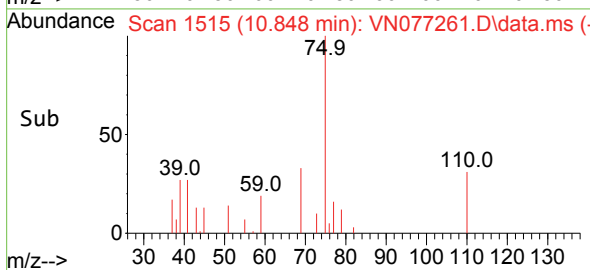
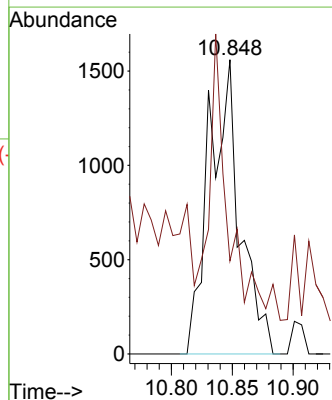
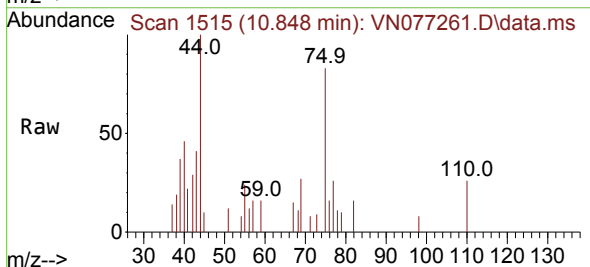
Instrument :
MSVOA_N
ClientSampleId :
IBLK

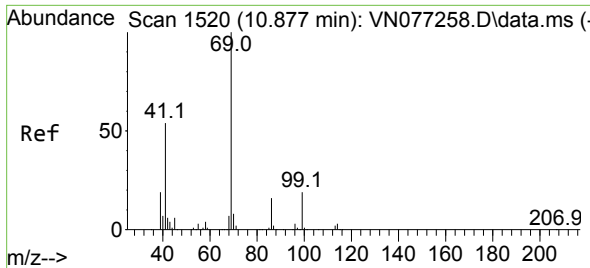
Tgt Ion: 92 Resp: 3977
Ion Ratio Lower Upper
92 100
91 179.2 138.0 207.0



#53
t-1,3-Dichloropropene
Concen: 0.248 ug/l
RT: 10.848 min Scan# 1515
Delta R.T. 0.012 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion: 75 Resp: 2753
Ion Ratio Lower Upper
75 100
77 20.3 25.4 38.0#

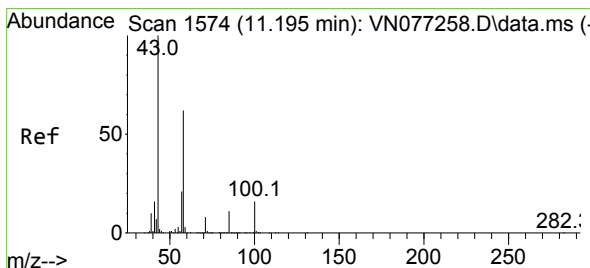
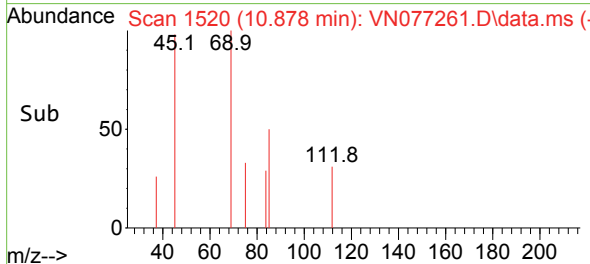
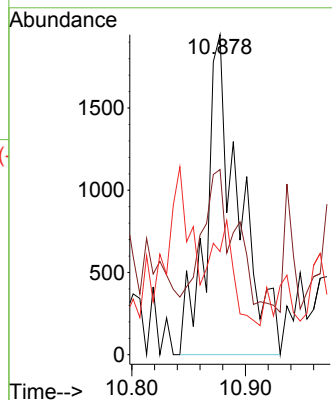
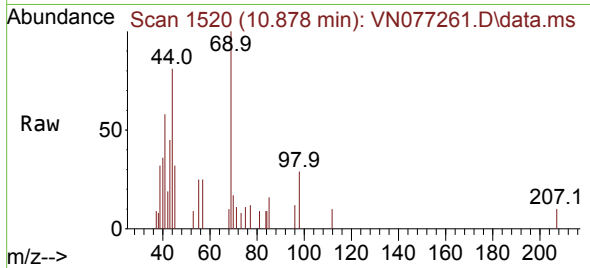




#56
Ethyl methacrylate
Concen: 0.338 ug/l
RT: 10.878 min Scan# 1520
Delta R.T. 0.001 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

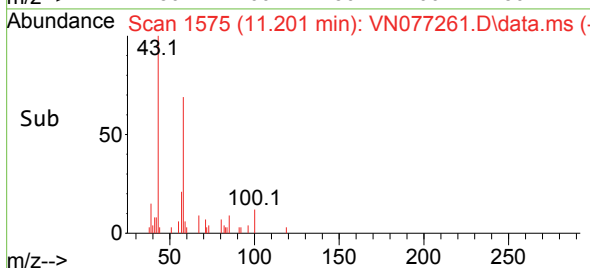
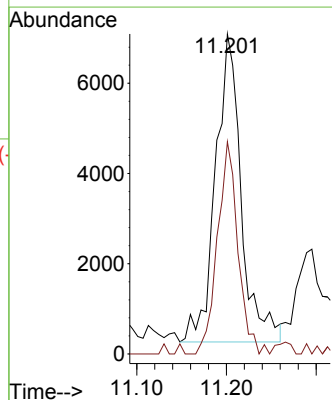
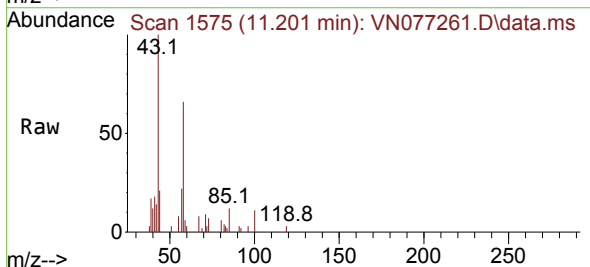
Instrument :
MSVOA_N
ClientSampleId :
IBLK

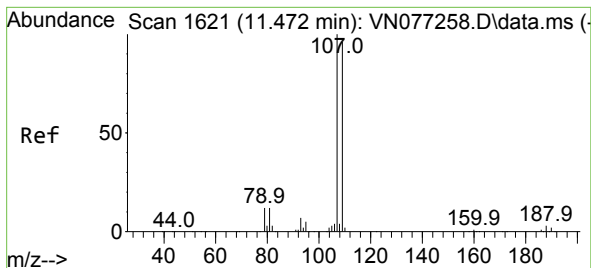
Tgt Ion: 69 Resp: 3865
Ion Ratio Lower Upper
69 100
41 40.5 42.8 64.2#
39 17.1 27.0 40.4#



#59
2-Hexanone
Concen: 2.091 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion: 43 Resp: 13610
Ion Ratio Lower Upper
43 100
58 54.8 30.9 92.5





#61

1,2-Dibromoethane

Concen: 0.202 ug/l

RT: 11.460 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

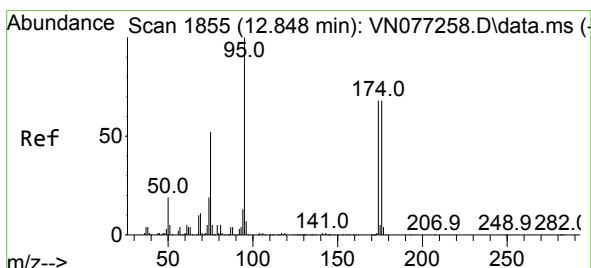
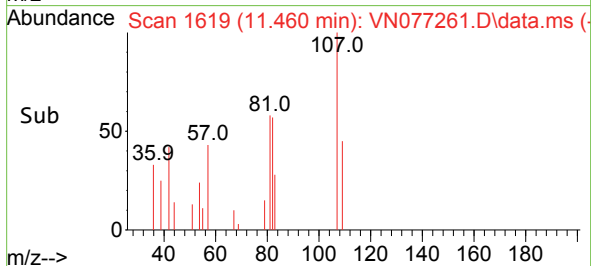
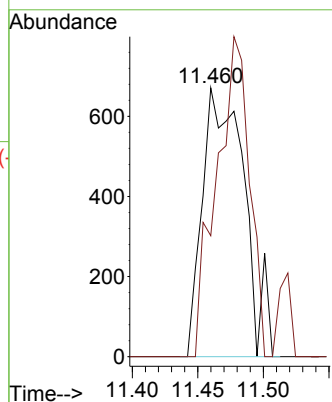
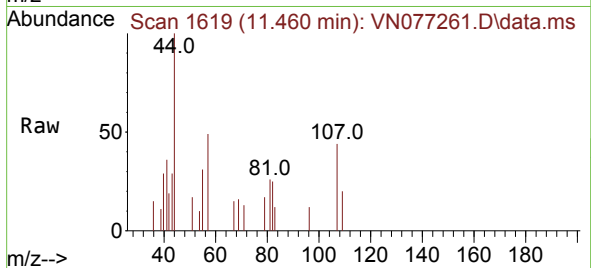
IBLK

Tgt Ion:107 Resp: 1477

Ion Ratio Lower Upper

107 100

109 94.2 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 42.565 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

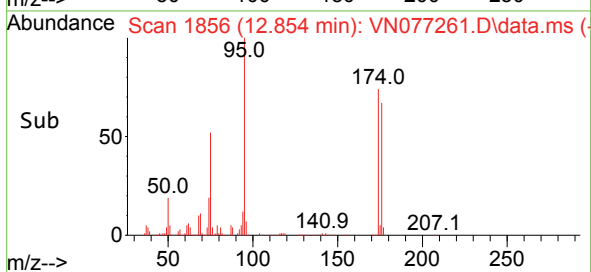
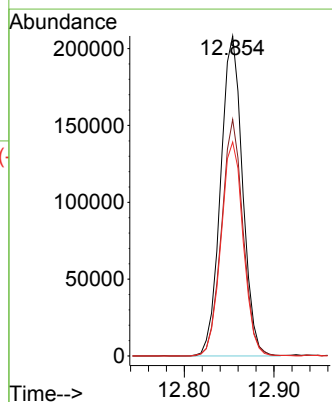
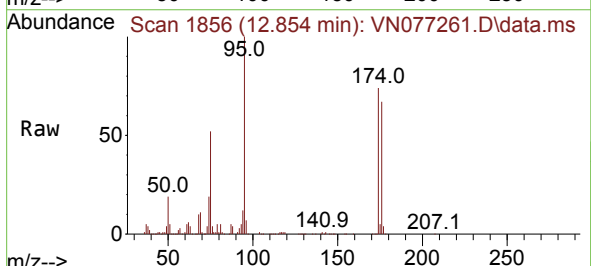
Tgt Ion: 95 Resp: 352820

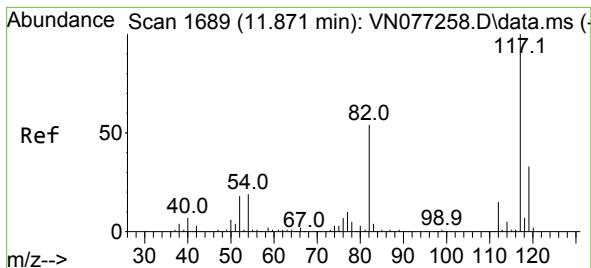
Ion Ratio Lower Upper

95 100

174 72.6 0.0 146.8

176 67.9 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.872 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

IBLK

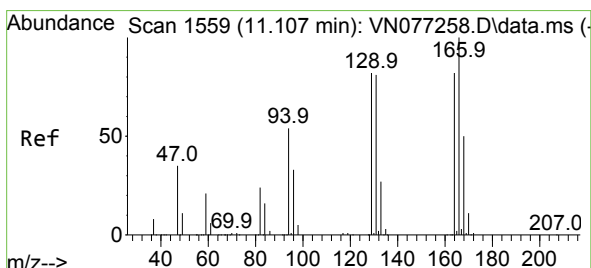
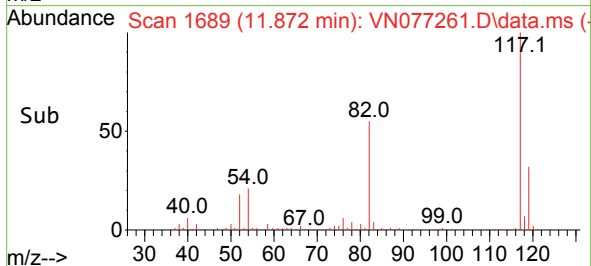
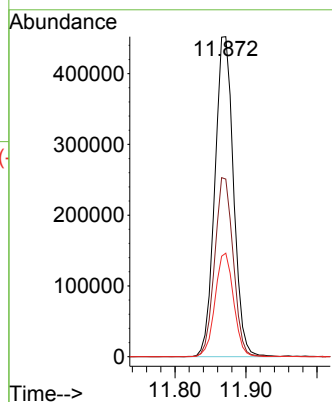
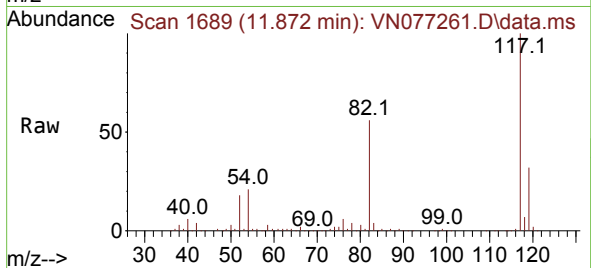
Tgt Ion:117 Resp: 823972

Ion Ratio Lower Upper

117 100

82 55.5 42.9 64.3

119 32.4 26.2 39.4



#64

Tetrachloroethene

Concen: 0.370 ug/l

RT: 11.119 min Scan# 1561

Delta R.T. 0.012 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Tgt Ion:164 Resp: 1885

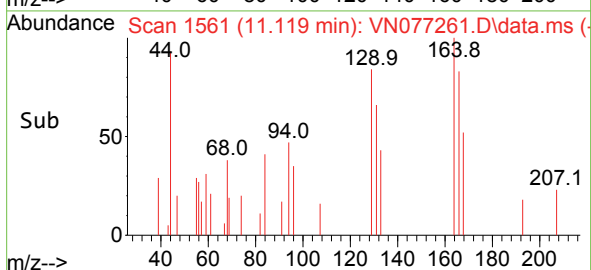
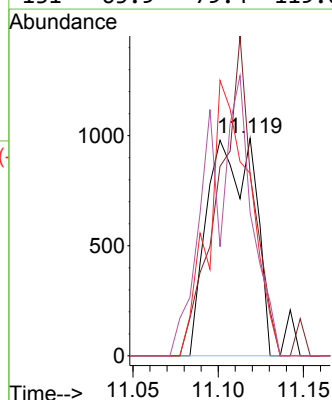
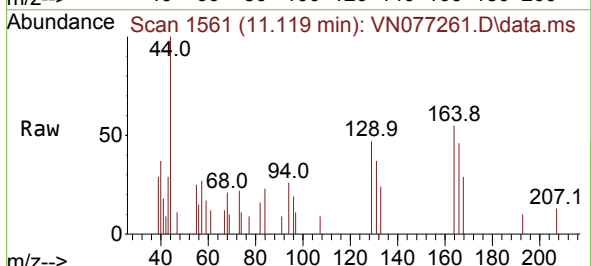
Ion Ratio Lower Upper

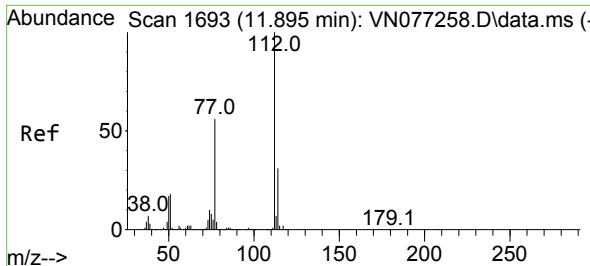
164 100

166 83.4 97.8 146.6#

129 83.9 80.1 120.1

131 65.9 79.4 119.0#

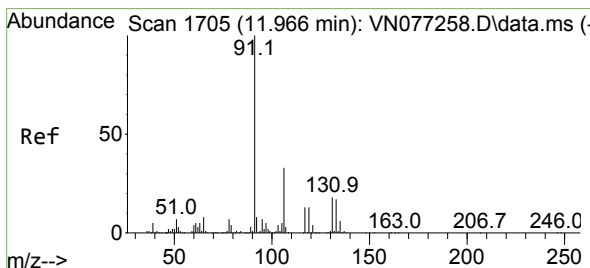
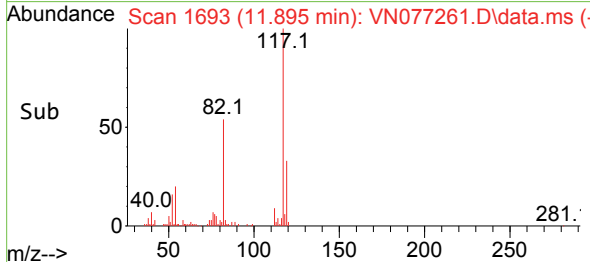
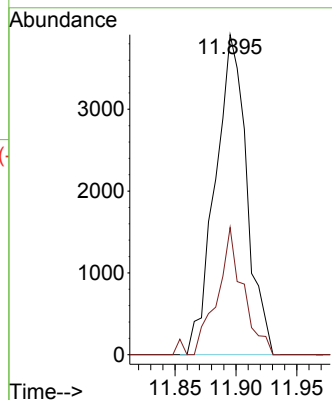
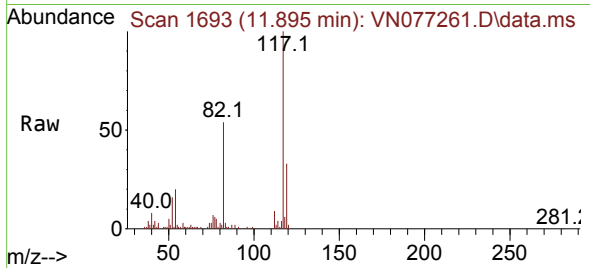




#65
Chlorobenzene
Concen: 0.388 ug/l
RT: 11.895 min Scan# 1112
Delta R.T. 0.000 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

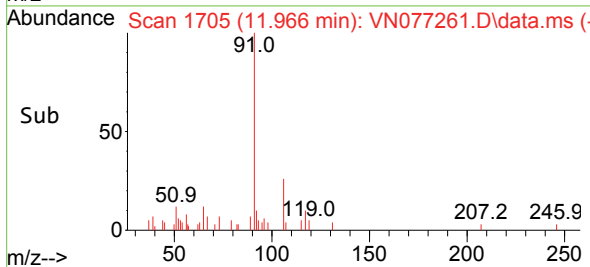
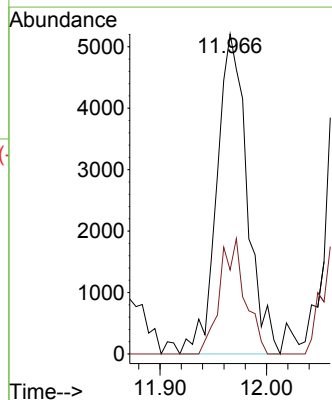
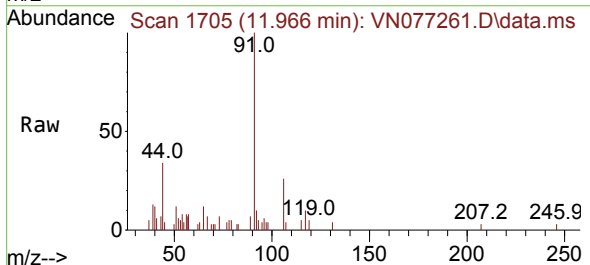
Instrument :
MSVOA_N
ClientSampleId :
IBLK

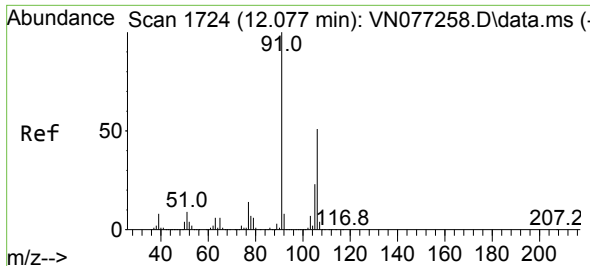
Tgt Ion:112 Resp: 7039
Ion Ratio Lower Upper
112 100
114 39.8 24.6 36.8#



#67
Ethyl Benzene
Concen: 0.307 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion: 91 Resp: 10281
Ion Ratio Lower Upper
91 100
106 26.3 26.2 39.2

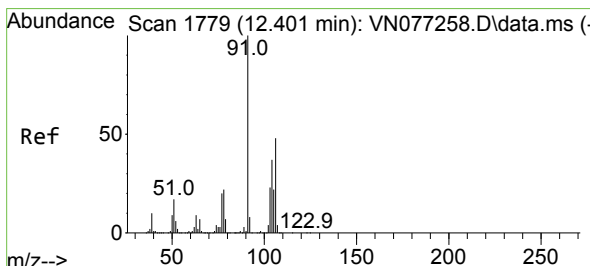
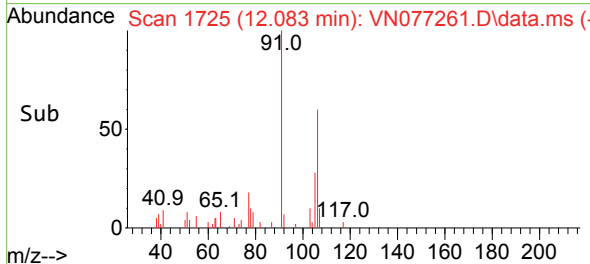
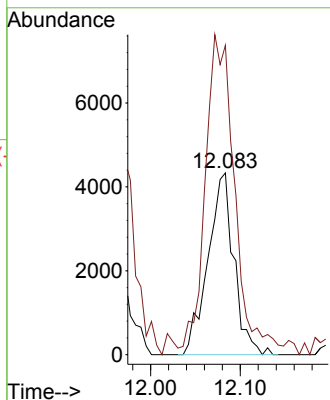
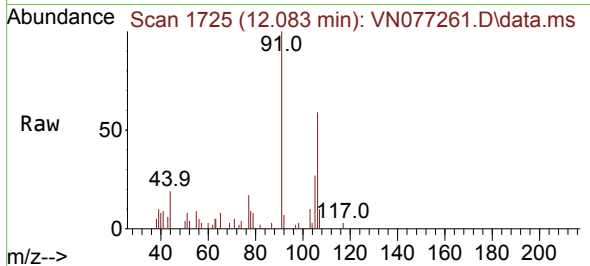




#68
m/p-Xylenes
Concen: 0.662 ug/l
RT: 12.083 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

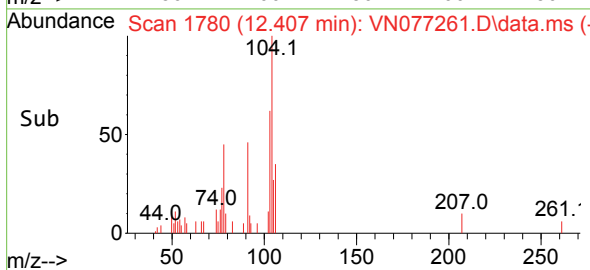
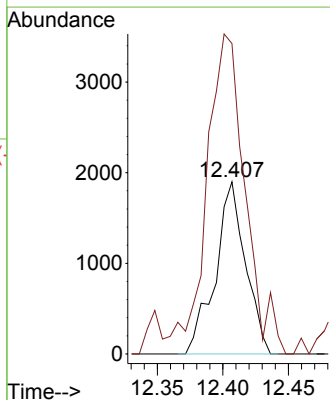
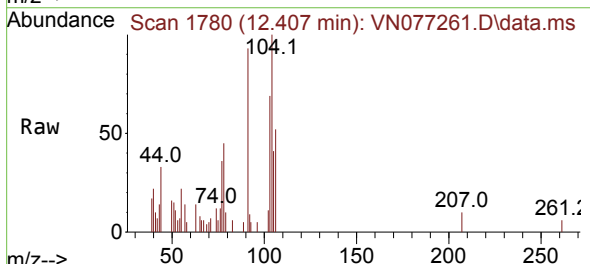
Instrument :
MSVOA_N
ClientSampleId :
IBLK

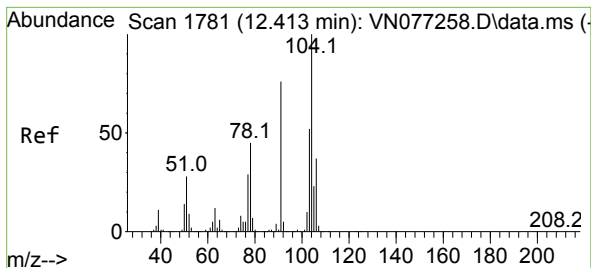
Tgt Ion:106 Resp: 8709
Ion Ratio Lower Upper
106 100
91 200.0 158.7 238.1



#69
o-Xylene
Concen: 0.234 ug/l
RT: 12.407 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion:106 Resp: 3039
Ion Ratio Lower Upper
106 100
91 235.2 104.0 312.0





#70

Styrene

Concen: 0.382 ug/l

RT: 12.413 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

IBLK

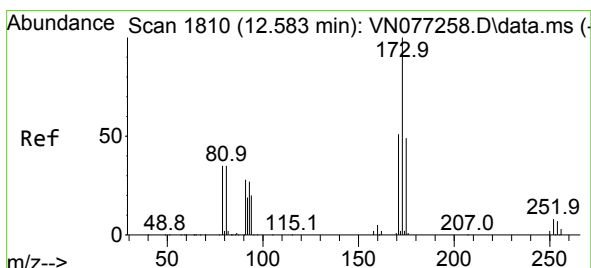
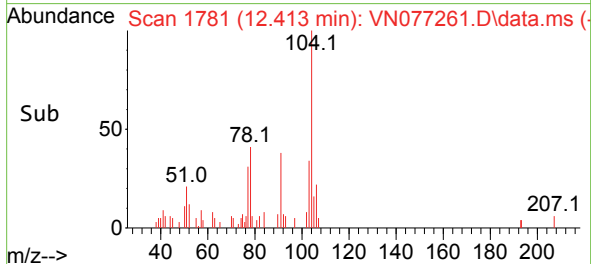
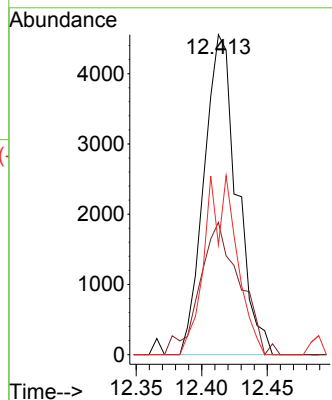
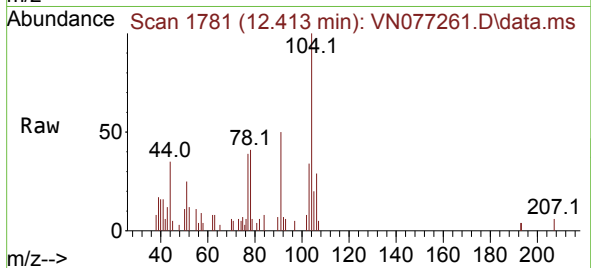
Tgt Ion:104 Resp: 7971

Ion Ratio Lower Upper

104 100

78 50.3 38.0 57.0

103 53.7 43.1 64.7



#71

Bromoform

Concen: 0.201 ug/l

RT: 12.577 min Scan# 1809

Delta R.T. -0.006 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

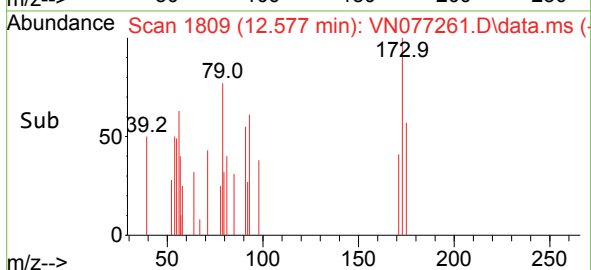
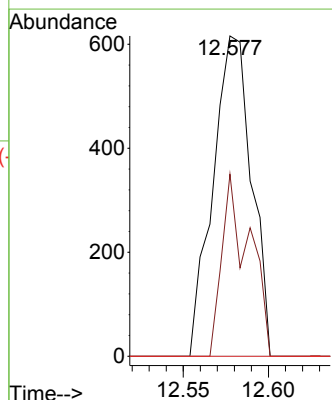
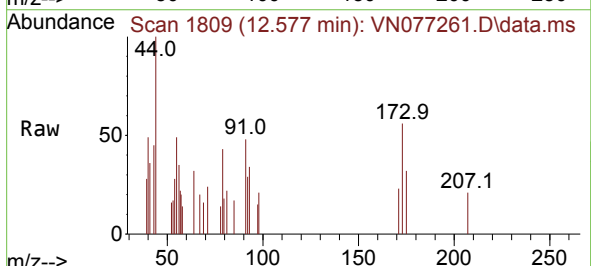
Tgt Ion:173 Resp: 971

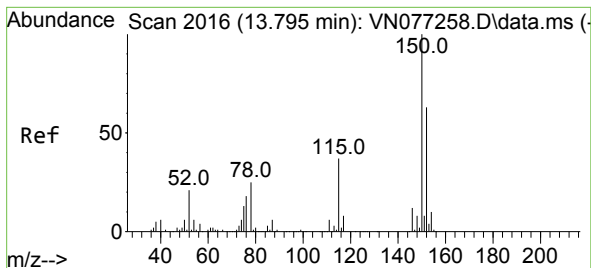
Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.4#

254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

IBLK

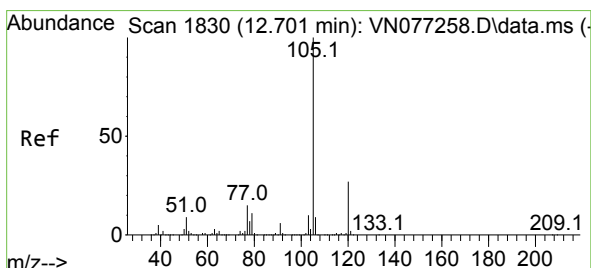
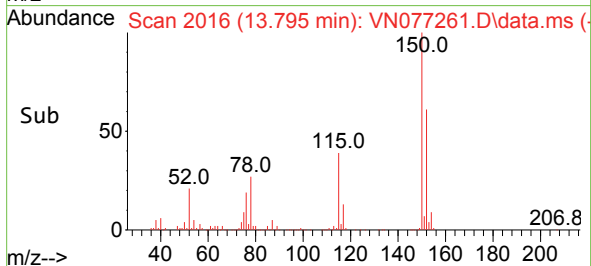
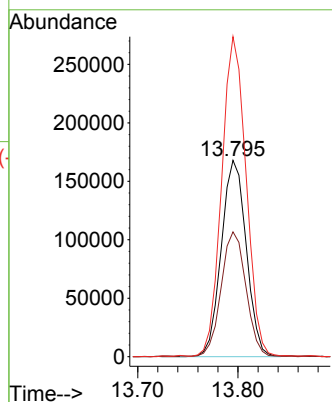
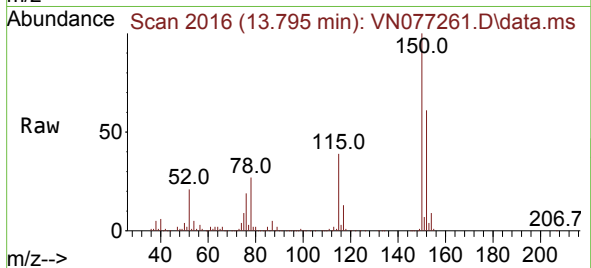
Tgt Ion:152 Resp: 290398

Ion Ratio Lower Upper

152 100

115 63.3 32.1 96.3

150 158.9 0.0 354.8



#73

Isopropylbenzene

Concen: 0.265 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN077261.D

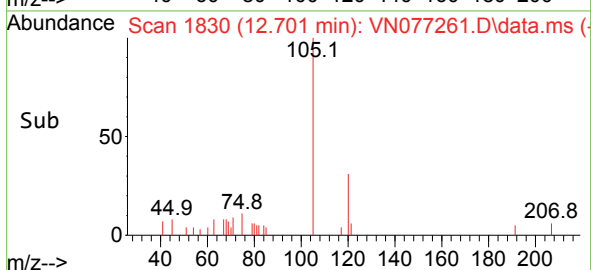
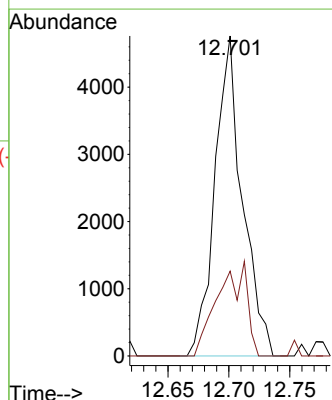
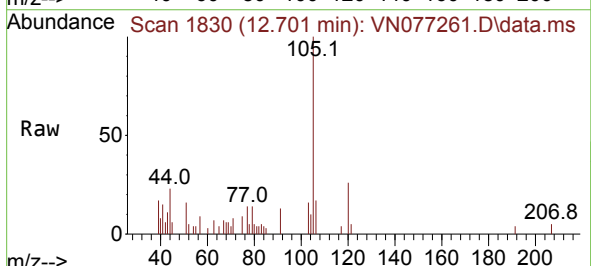
Acq: 05 Apr 2023 13:40

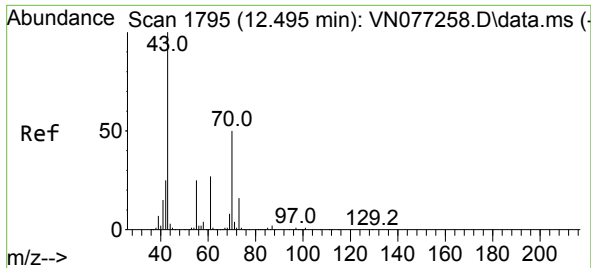
Tgt Ion:105 Resp: 7485

Ion Ratio Lower Upper

105 100

120 31.0 13.2 39.6

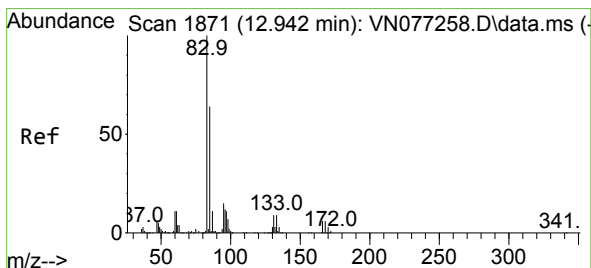
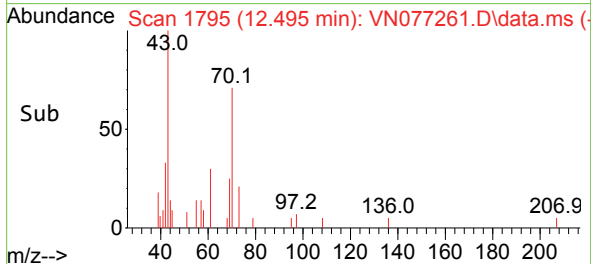
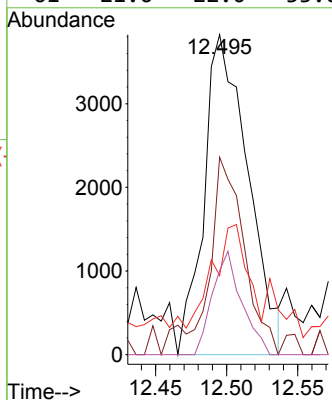
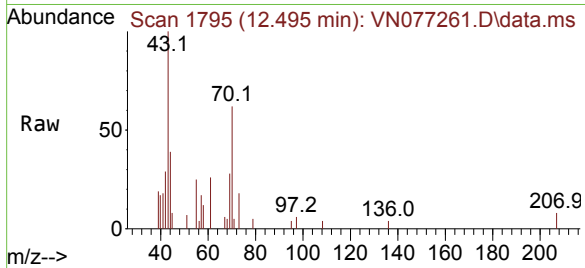




#74
N-amy1 acetate
Concen: 0.771 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

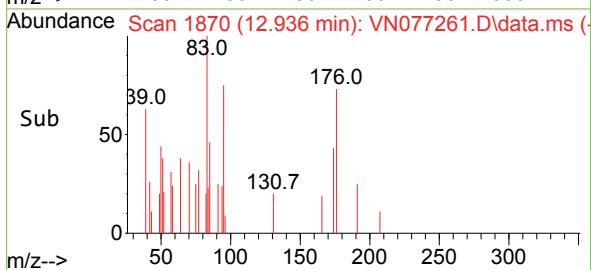
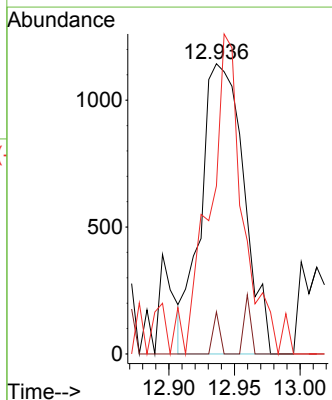
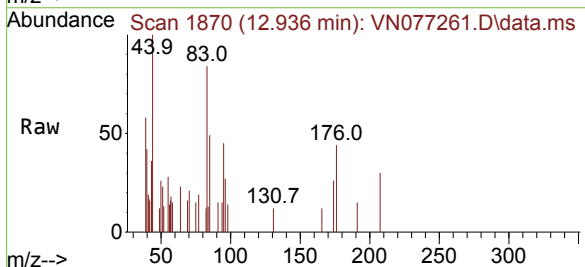
Instrument :
MSVOA_N
ClientSampleId :
IBLK

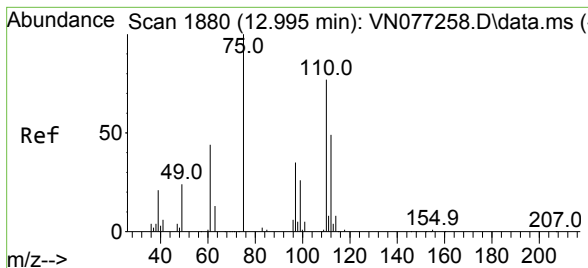
Tgt Ion: 43	Resp: 8241
Ion Ratio	Lower Upper
43	100
70	49.9 41.0 61.6
55	24.6 19.3 28.9
61	21.6 22.0 33.0



#75
1,1,2,2-Tetrachloroethane
Concen: 0.295 ug/l
RT: 12.936 min Scan# 1870
Delta R.T. -0.006 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion: 83	Resp: 2610
Ion Ratio	Lower Upper
83	100
131	2.3 4.9 14.6
85	87.3 32.1 96.3





#76

1,2,3-Trichloropropane

Concen: 26.263 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

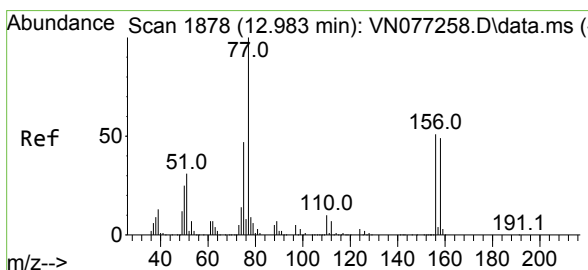
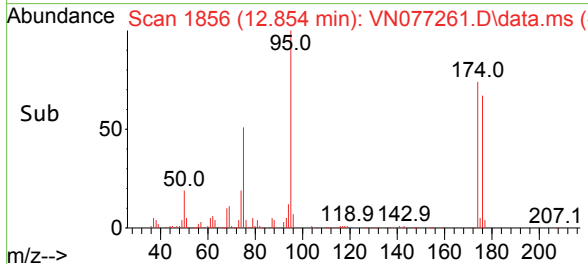
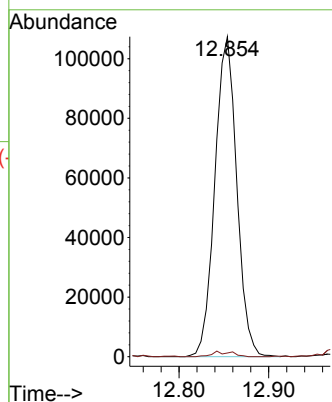
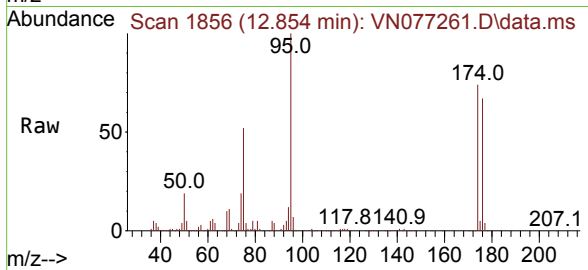
IBLK

Tgt Ion: 75 Resp: 181612

Ion Ratio Lower Upper

75 100

77 1.5 88.3 264.9#



#77

Bromobenzene

Concen: 0.619 ug/l

RT: 12.989 min Scan# 1879

Delta R.T. 0.006 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

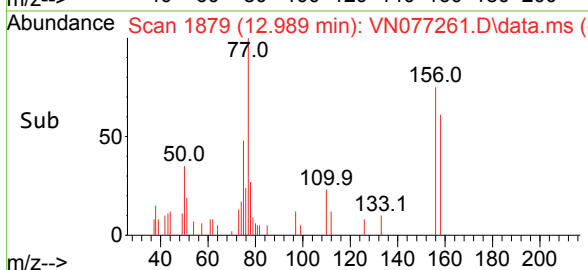
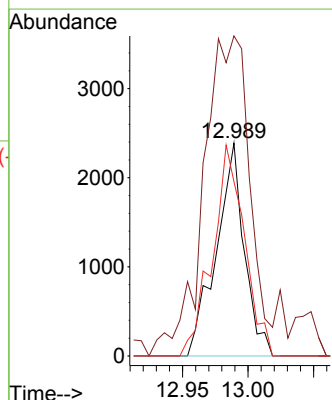
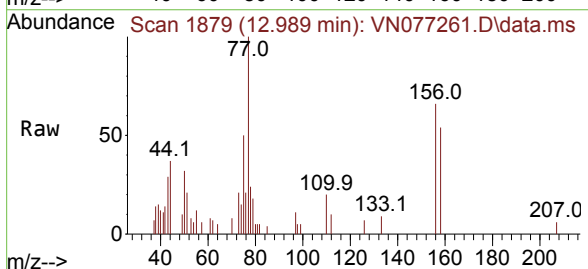
Tgt Ion:156 Resp: 3548

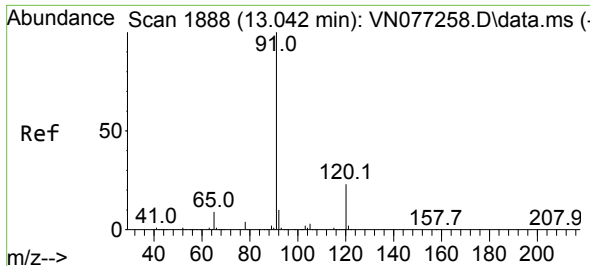
Ion Ratio Lower Upper

156 100

77 248.1 115.3 345.8

158 113.5 49.3 147.8

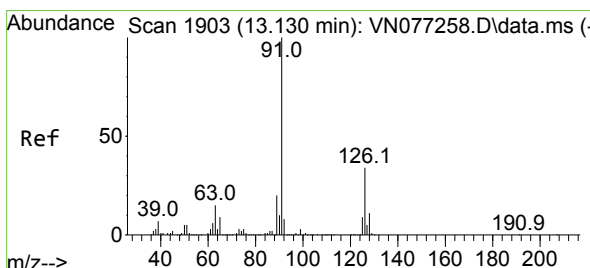
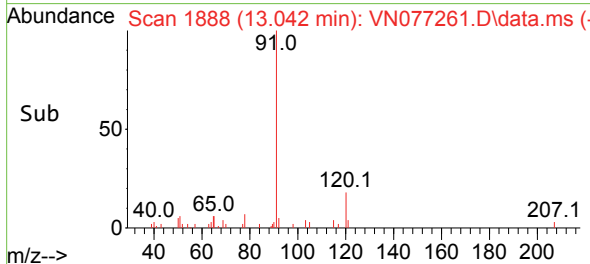
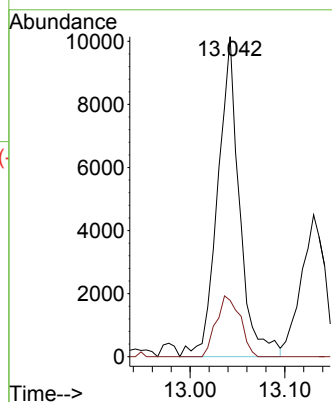
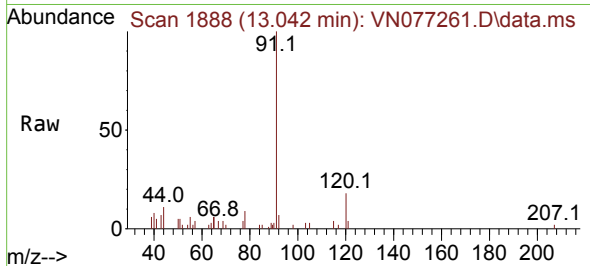




#78
n-propylbenzene
Concen: 0.520 ug/l
RT: 13.042 min Scan# 1888
Delta R.T. 0.000 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

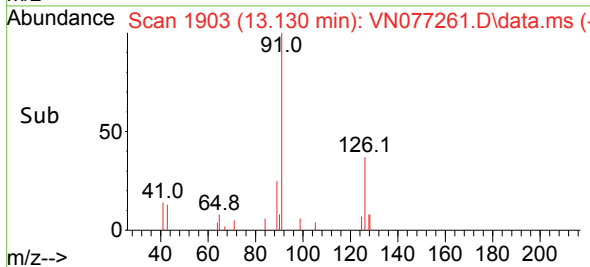
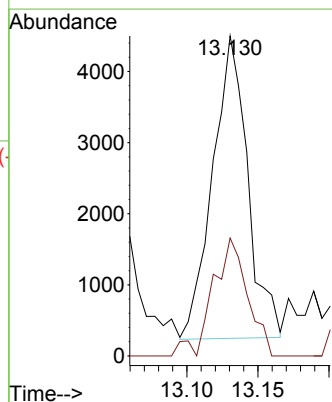
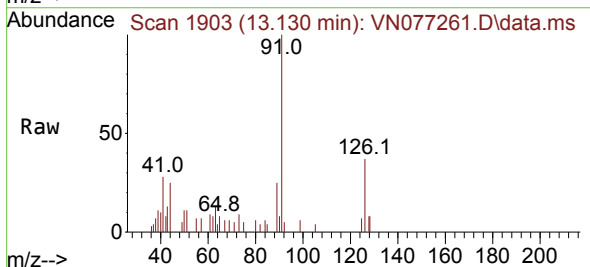
Instrument :
MSVOA_N
ClientSampleId :
IBLK

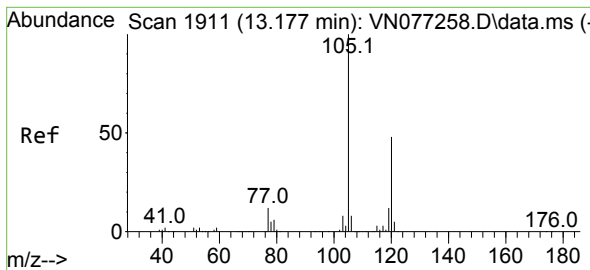
Tgt Ion: 91 Resp: 16209
Ion Ratio Lower Upper
91 100
120 20.9 11.5 34.5



#79
2-Chlorotoluene
Concen: 0.389 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion: 91 Resp: 7301
Ion Ratio Lower Upper
91 100
126 38.7 16.8 50.4





#80

1,3,5-Trimethylbenzene

Concen: 0.314 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

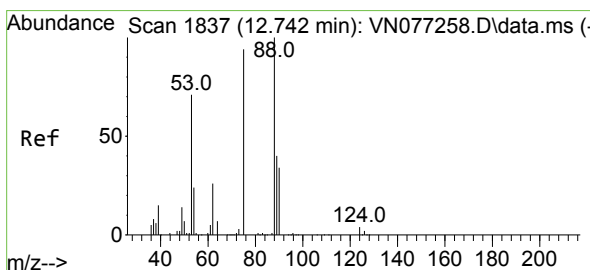
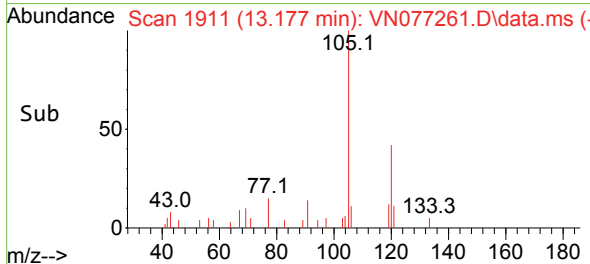
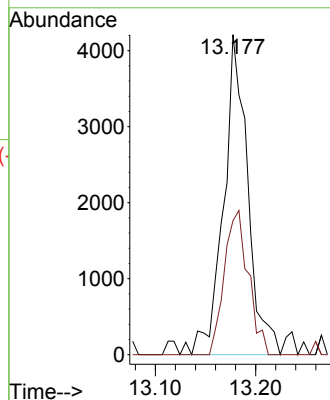
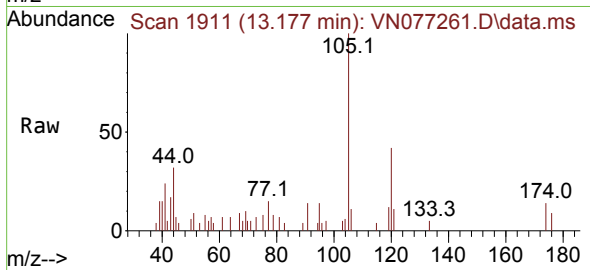
IBLK

Tgt Ion:105 Resp: 7070

Ion Ratio Lower Upper

105 100

120 44.5 24.3 73.0



#81

trans-1,4-Dichloro-2-butene

Concen: 59.100 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.112 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

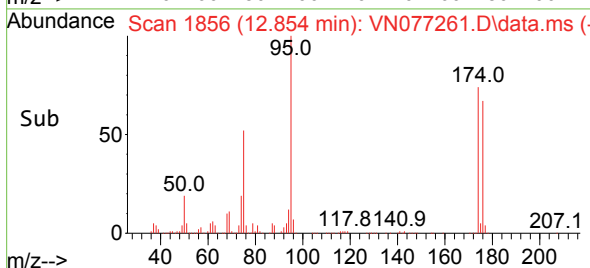
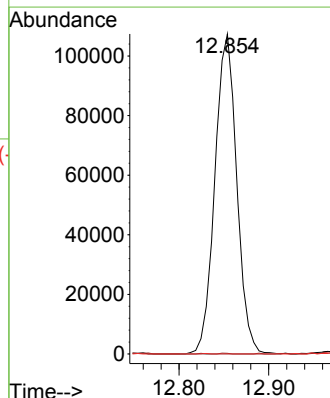
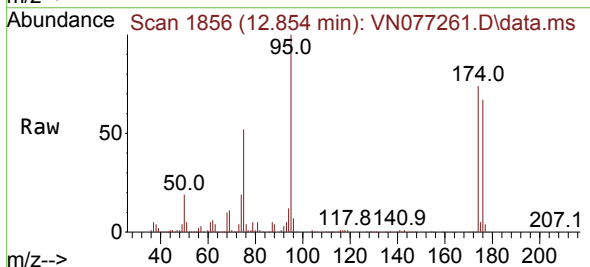
Tgt Ion: 75 Resp: 181612

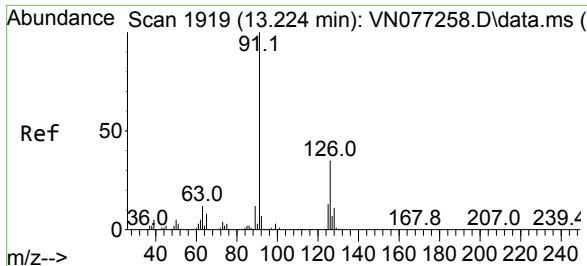
Ion Ratio Lower Upper

75 100

53 0.1 72.8 109.2#

89 0.0 37.4 56.2#

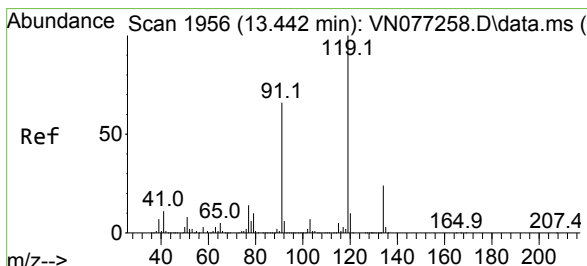
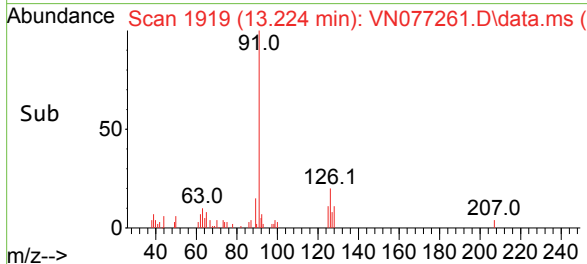
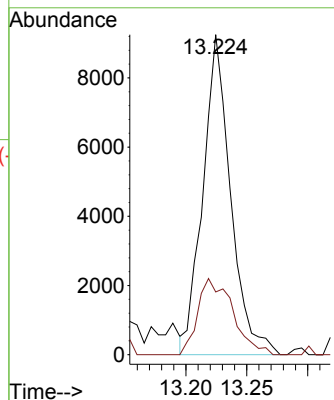
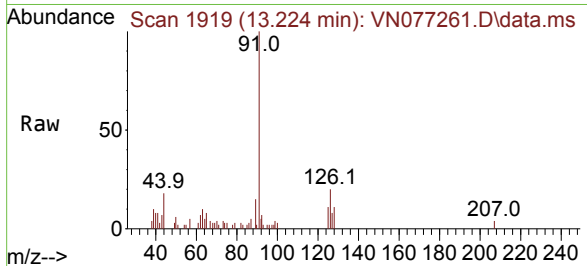




#82
4-Chlorotoluene
Concen: 0.828 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

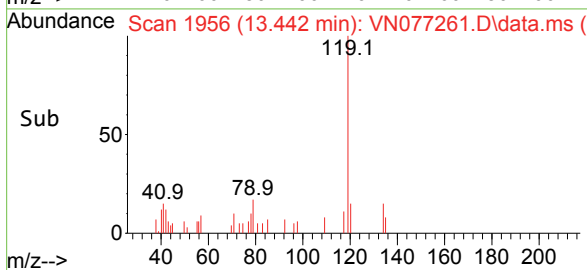
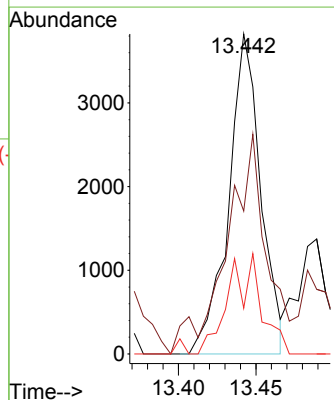
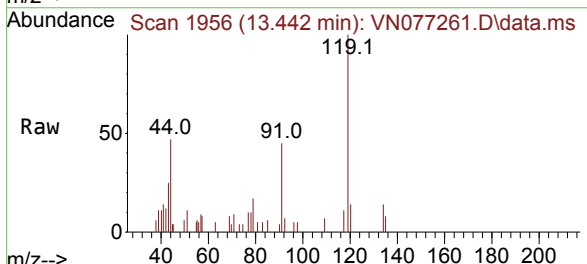
Instrument :
MSVOA_N
ClientSampleId :
IBLK

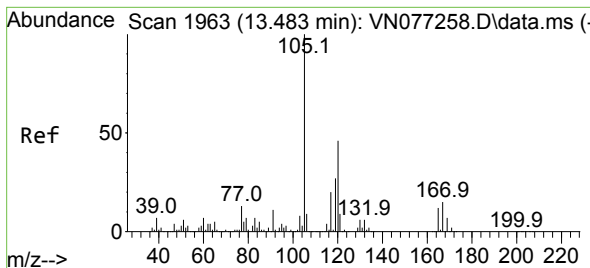
Tgt Ion: 91 Resp: 14644
Ion Ratio Lower Upper
91 100
126 30.1 16.9 50.7



#83
tert-Butylbenzene
Concen: 0.275 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion: 119 Resp: 5523
Ion Ratio Lower Upper
119 100
91 84.5 33.5 100.4
134 31.4 13.3 39.9





#84

1,2,4-Trimethylbenzene

Concen: 0.434 ug/l

RT: 13.495 min Scan# 1965

Delta R.T. 0.012 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

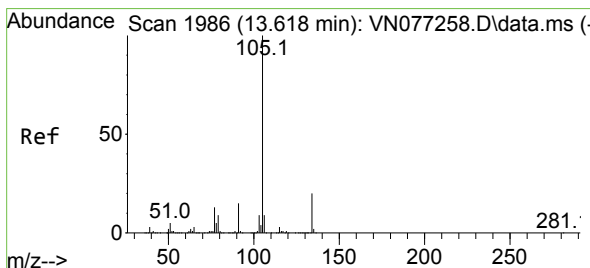
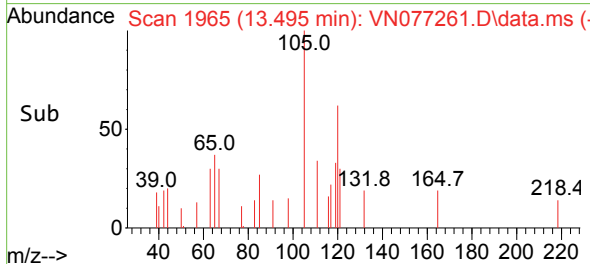
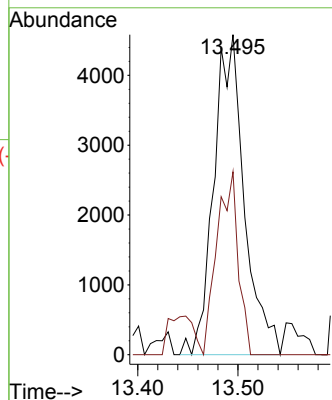
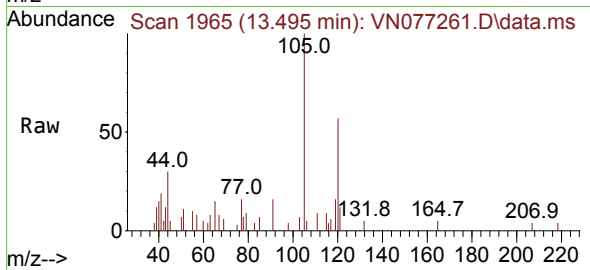
IBLK

Tgt Ion:105 Resp: 9651

Ion Ratio Lower Upper

105 100

120 39.8 22.5 67.5



#85

sec-Butylbenzene

Concen: 0.426 ug/l

RT: 13.619 min Scan# 1986

Delta R.T. 0.001 min

Lab File: VN077261.D

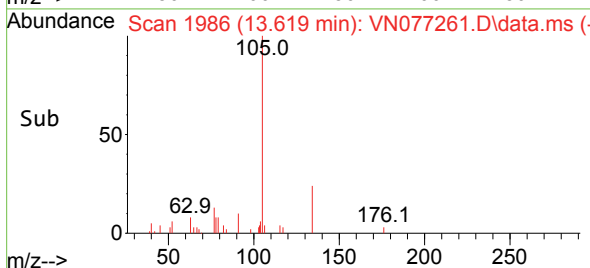
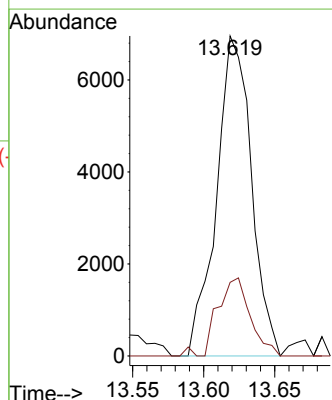
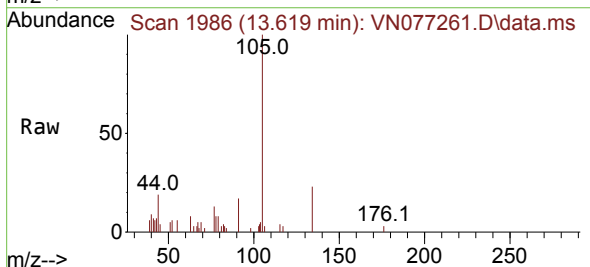
Acq: 05 Apr 2023 13:40

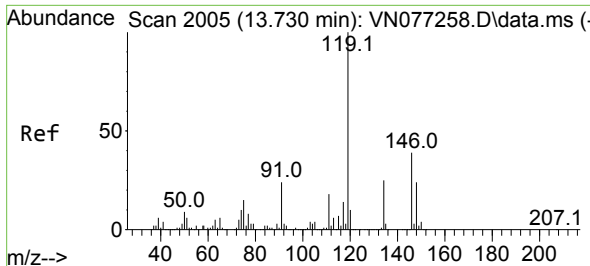
Tgt Ion:105 Resp: 11904

Ion Ratio Lower Upper

105 100

134 23.0 9.8 29.4

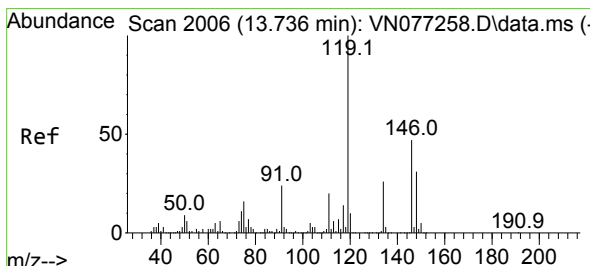
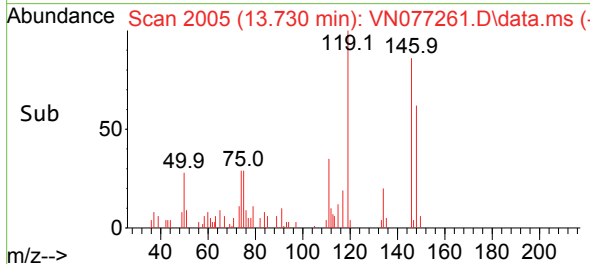
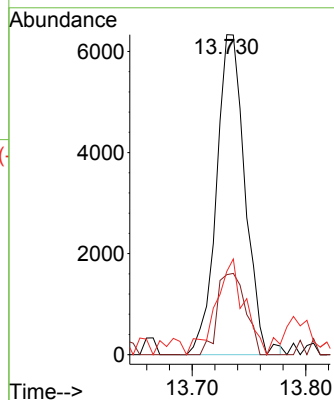
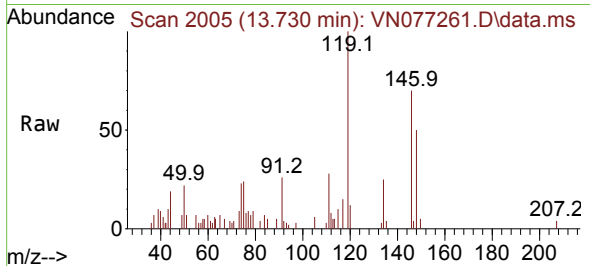




#86
 p-Isopropyltoluene
 Concen: 0.504 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN077261.D
 Acq: 05 Apr 2023 13:40

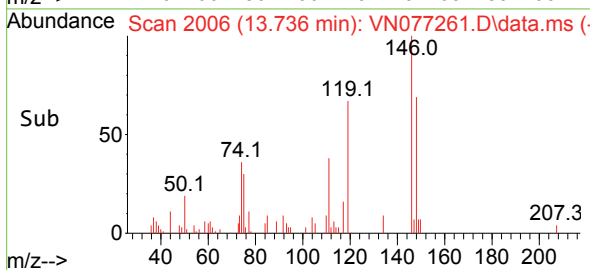
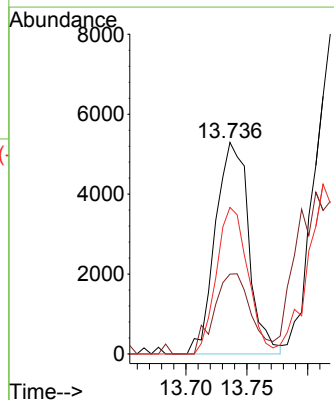
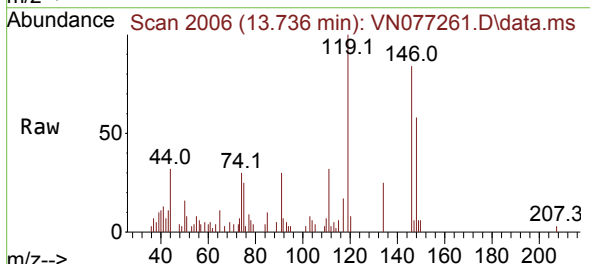
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

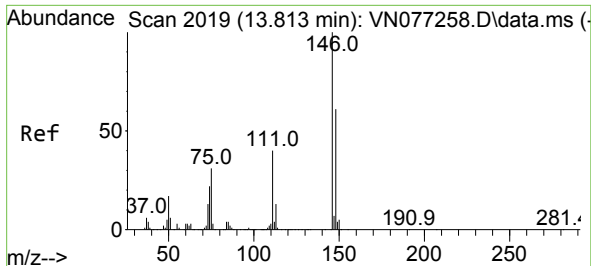
Tgt Ion:	119	Resp:	11076
Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	30.1	12.3	36.8



#87
 1,3-Dichlorobenzene
 Concen: 0.952 ug/l
 RT: 13.736 min Scan# 2006
 Delta R.T. 0.000 min
 Lab File: VN077261.D
 Acq: 05 Apr 2023 13:40

Tgt Ion:	146	Resp:	10097
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.8	65.4
148	65.1	31.7	95.1

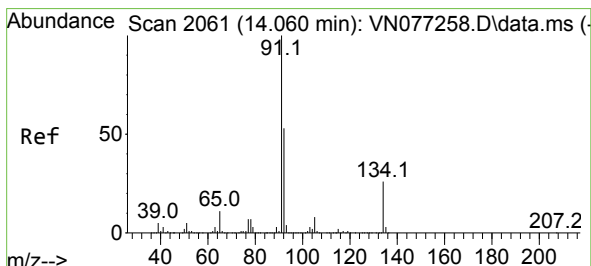
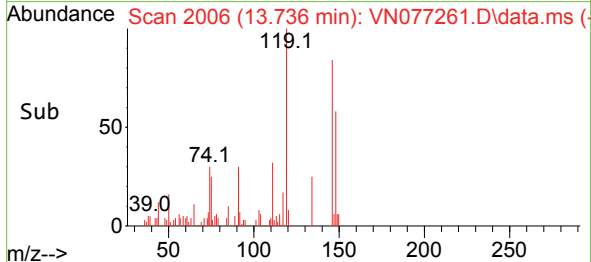
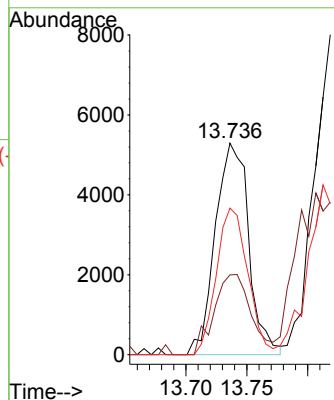
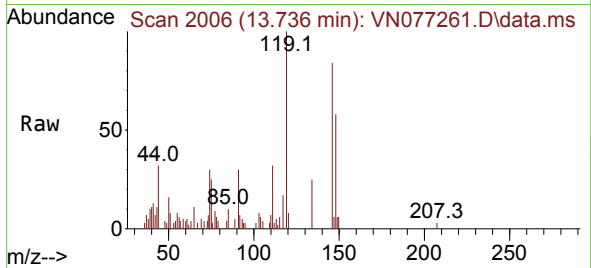




#88
1,4-Dichlorobenzene
Concen: 0.965 ug/l
RT: 13.736 min Scan# 2019
Delta R.T. -0.077 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

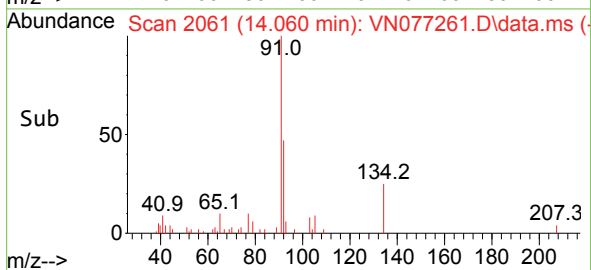
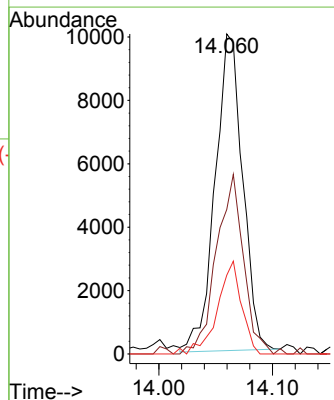
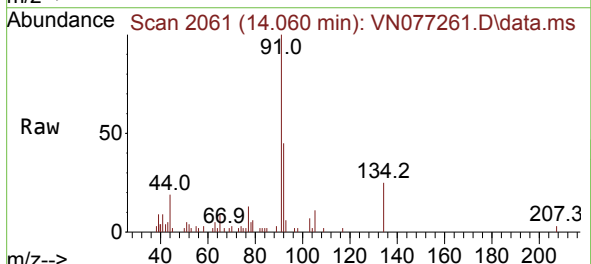
Instrument :
MSVOA_N
ClientSampleId :
IBLK

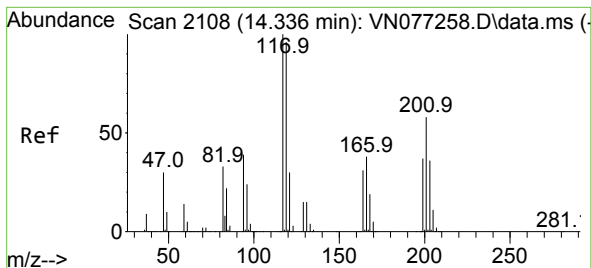
Tgt Ion:146 Resp: 10097
Ion Ratio Lower Upper
146 100
111 42.2 20.4 61.2
148 65.1 31.6 95.0



#89
n-Butylbenzene
Concen: 0.922 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077261.D
Acq: 05 Apr 2023 13:40

Tgt Ion: 91 Resp: 16814
Ion Ratio Lower Upper
91 100
92 56.2 26.7 80.0
134 25.7 12.8 38.3





#90

Hexachloroethane

Concen: 0.268 ug/l

RT: 14.348 min Scan# 2108

Delta R.T. 0.012 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

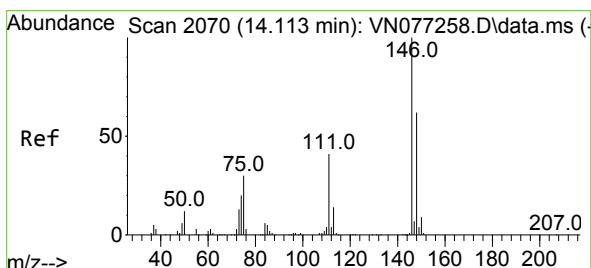
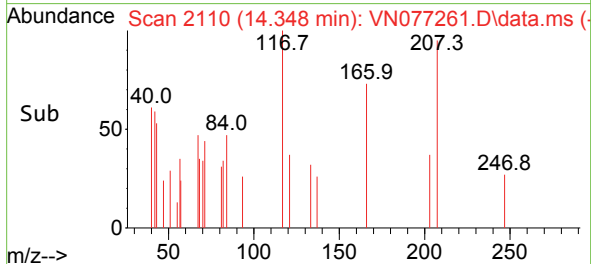
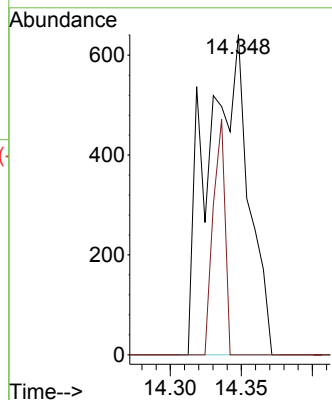
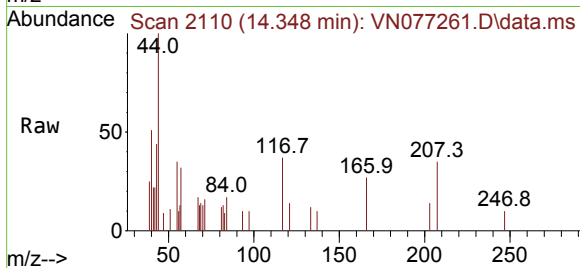
IBLK

Tgt Ion:117 Resp: 1285

Ion Ratio Lower Upper

117 100

201 21.2 29.8 89.5#



#91

1,2-Dichlorobenzene

Concen: 0.761 ug/l

RT: 14.113 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

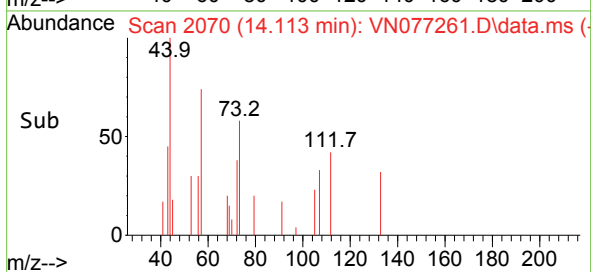
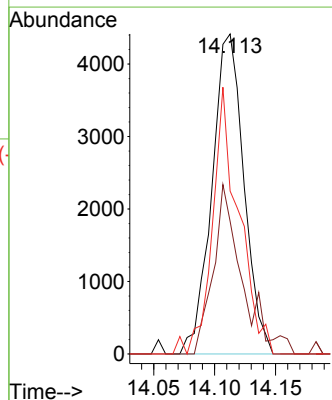
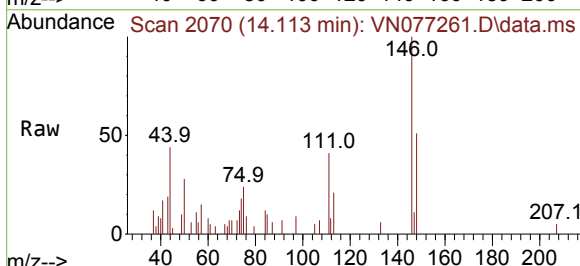
Tgt Ion:146 Resp: 8073

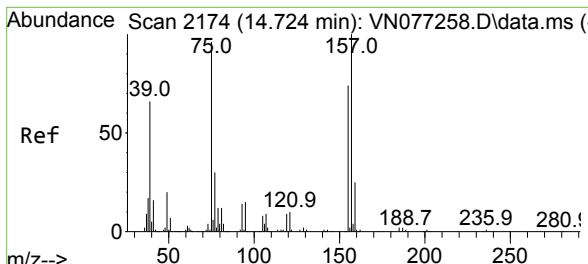
Ion Ratio Lower Upper

146 100

111 47.9 21.9 65.5

148 68.6 31.9 95.5

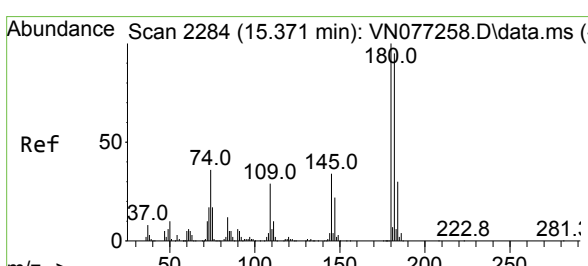
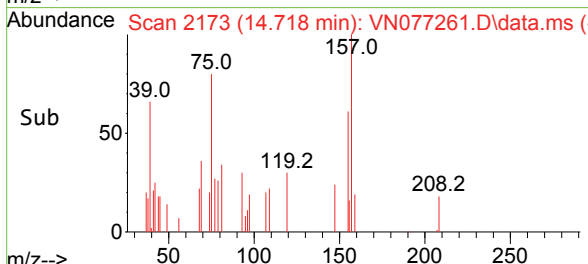
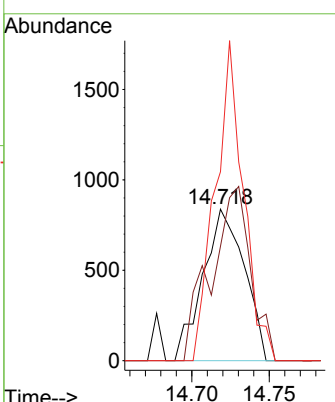
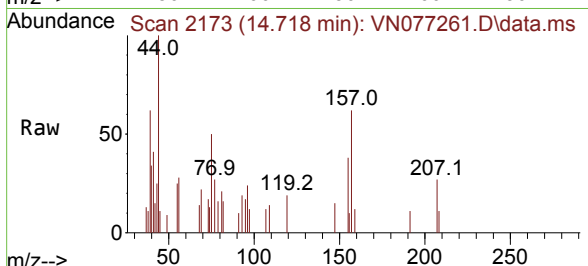




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.927 ug/l
 RT: 14.718 min Scan# 2173
 Delta R.T. -0.006 min
 Lab File: VN077261.D
 Acq: 05 Apr 2023 13:40

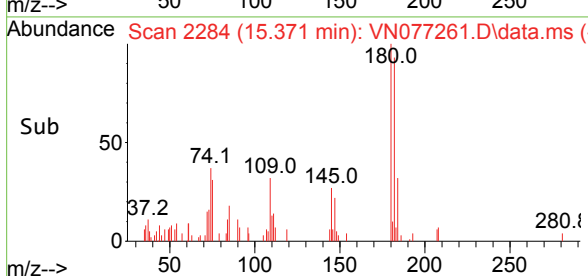
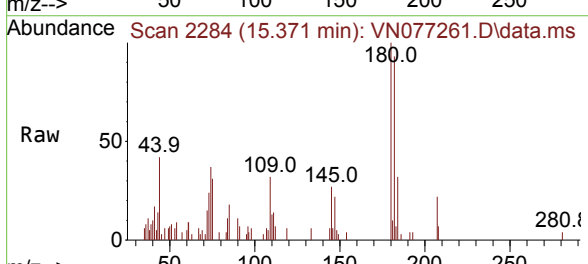
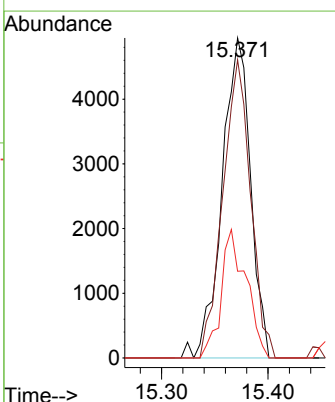
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

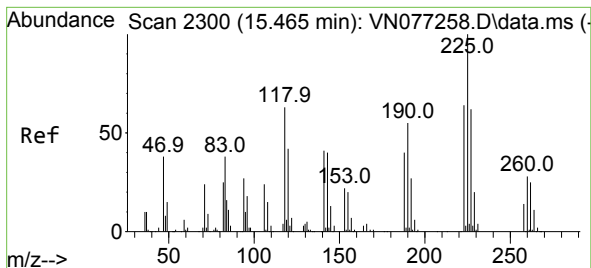
Tgt Ion:	75	Resp:	1555
Ion Ratio	Lower	Upper	
75	100		
155	110.6	41.0	123.2
157	144.1	54.0	162.0



#93
 1,2,4-Trichlorobenzene
 Concen: 2.397 ug/l
 RT: 15.371 min Scan# 2284
 Delta R.T. 0.000 min
 Lab File: VN077261.D
 Acq: 05 Apr 2023 13:40

Tgt Ion:	180	Resp:	9185
Ion Ratio	Lower	Upper	
180	100		
182	90.8	46.7	140.0
145	35.3	16.6	49.8





#94

Hexachlorobutadiene

Concen: 0.667 ug/l

RT: 15.465 min Scan# 2300

Delta R.T. 0.000 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

IBLK

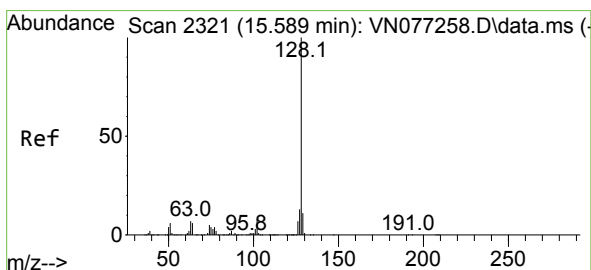
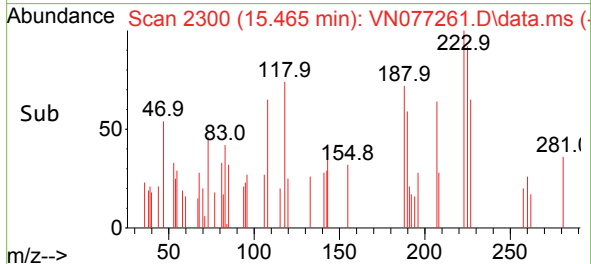
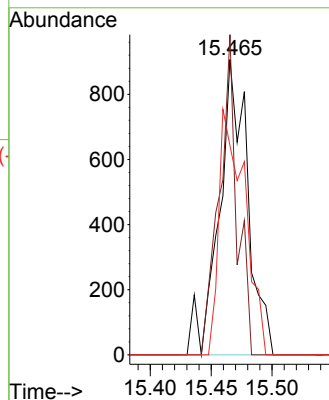
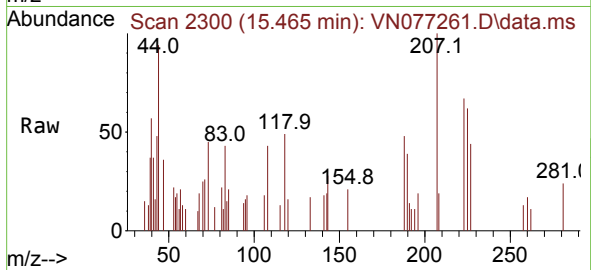
Tgt Ion:225 Resp: 1479

Ion Ratio Lower Upper

225 100

223 68.0 31.7 95.1

227 75.3 31.2 93.6



#95

Naphthalene

Concen: 3.257 ug/l

RT: 15.589 min Scan# 2321

Delta R.T. 0.000 min

Lab File: VN077261.D

Acq: 05 Apr 2023 13:40

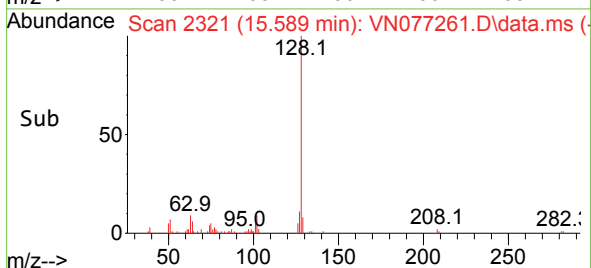
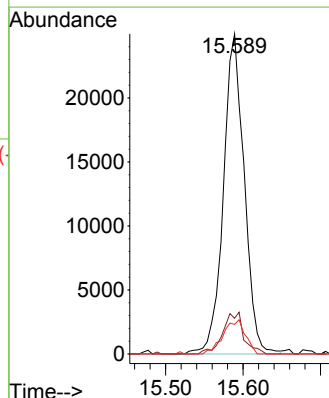
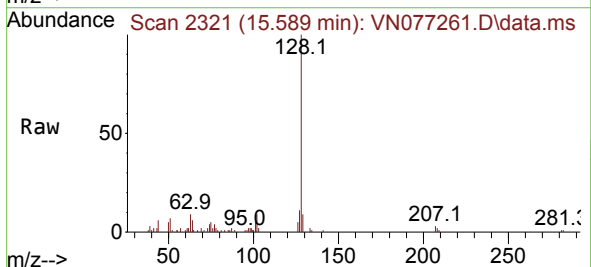
Tgt Ion:128 Resp: 46883

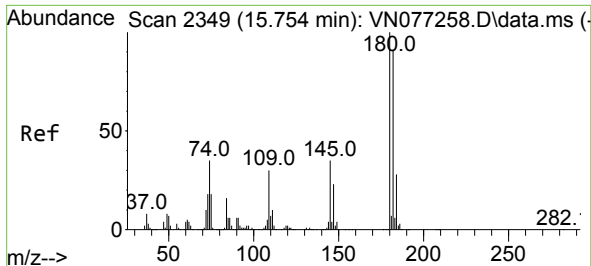
Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.4 8.9 13.3





#96

1,2,3-Trichlorobenzene

Concen: 2.773 ug/l

RT: 15.754 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077261.D

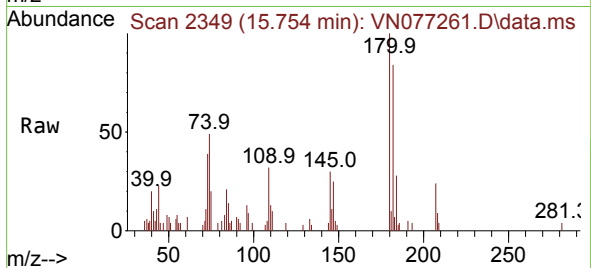
Acq: 05 Apr 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

IBLK



Tgt Ion:	180	Resp:	10162
Ion	Ratio	Lower	Upper
180	100		
182	99.9	46.9	140.8
145	39.7	17.6	52.8

