

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040723\
 Data File : VN077272.D
 Acq On : 07 Apr 2023 11:35
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 08 05:15:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	58601	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	439005	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	434463	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	150680	30.318	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 101.067%	
60) 4-Bromofluorobenzene	12.854	95	195917	26.079	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 86.933%	
63) Toluene-d8	10.572	98	492758	32.262	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 107.533%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.131	85	2231	0.400	ug/l	93
3) Chloromethane	2.372	50	3797	0.513	ug/l	89
4) Vinyl Chloride	2.525	62	2319	0.219	ug/l #	52
6) Chloroethane	3.149	64	1834	0.258	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.366	101	1736	0.281	ug/l	44
10) 1,1-Dichloroethene	4.343	96	1901	0.308	ug/l #	53
11) Methyl Iodide	4.590	142	2202	0.316	ug/l #	56
13) Acrolein	4.254	56	240	0.210	ug/l	84
14) Acrylonitrile	5.707	53	927	0.295	ug/l #	18
16) Carbon Disulfide	4.719	76	20281	1.244	ug/l #	91
18) Methylene Chloride	5.284	84	2562	0.357	ug/l #	22
19) trans-1,2-Dichloroethene	5.795	96	3638	0.542	ug/l	86
29) 1,1-Dichloropropene	8.378	75	3789	0.398	ug/l	73
30) 2-Butanone	7.489	43	949	0.211	ug/l #	60
37) Trichloroethene	9.354	130	3269	0.454	ug/l	94
38) Methylcyclohexane	9.601	83	3807	0.295	ug/l	81
40) Dibromomethane	9.713	93	2203	0.419	ug/l	61
45) 1,4-Dioxane	9.701	88	337	2.145	ug/l #	28
48) t-1,3-Dichloropropene	10.836	75	3492	0.297	ug/l #	83
51) Ethyl methacrylate	10.883	69	3103	0.264	ug/l	97
55) 2-Chloroethyl vinyl ether	10.160	63	3313	0.914	ug/l #	77
58) 4-Methyl-2-Pentanone	10.448	43	4115	0.506	ug/l #	81
59) 2-Hexanone	11.207	43	14054	2.235	ug/l	95
61) Tetrachloroethene	11.107	164	2751	0.532	ug/l #	89
62) Toluene	10.636	91	8740	0.288	ug/l	95
64) Chlorobenzene	11.895	112	9036	0.491	ug/l	90
66) Ethyl Benzene	11.972	91	12406	0.369	ug/l	93
67) m/p-Xylenes	12.077	106	10070	0.765	ug/l	89
68) o-Xylene	12.401	106	3309	0.251	ug/l	72
69) Styrene	12.419	104	9785	0.464	ug/l	92
70) Isopropylbenzene	12.701	105	8863	0.265	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.948	83	3511	0.343	ug/l #	26
72) 1,2,3-Trichloropropane	12.995	75	3399	0.489	ug/l	57
73) Bromobenzene	12.989	156	4913	0.724	ug/l	85
74) n-propylbenzene	13.036	91	20180	0.546	ug/l	98
75) 2-Chlorotoluene	13.130	91	10287	0.464	ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	8937	0.329	ug/l	94
78) 4-Chlorotoluene	13.224	91	17468	0.835	ug/l	100
79) tert-butylbenzene	13.442	119	7917	0.334	ug/l	98

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

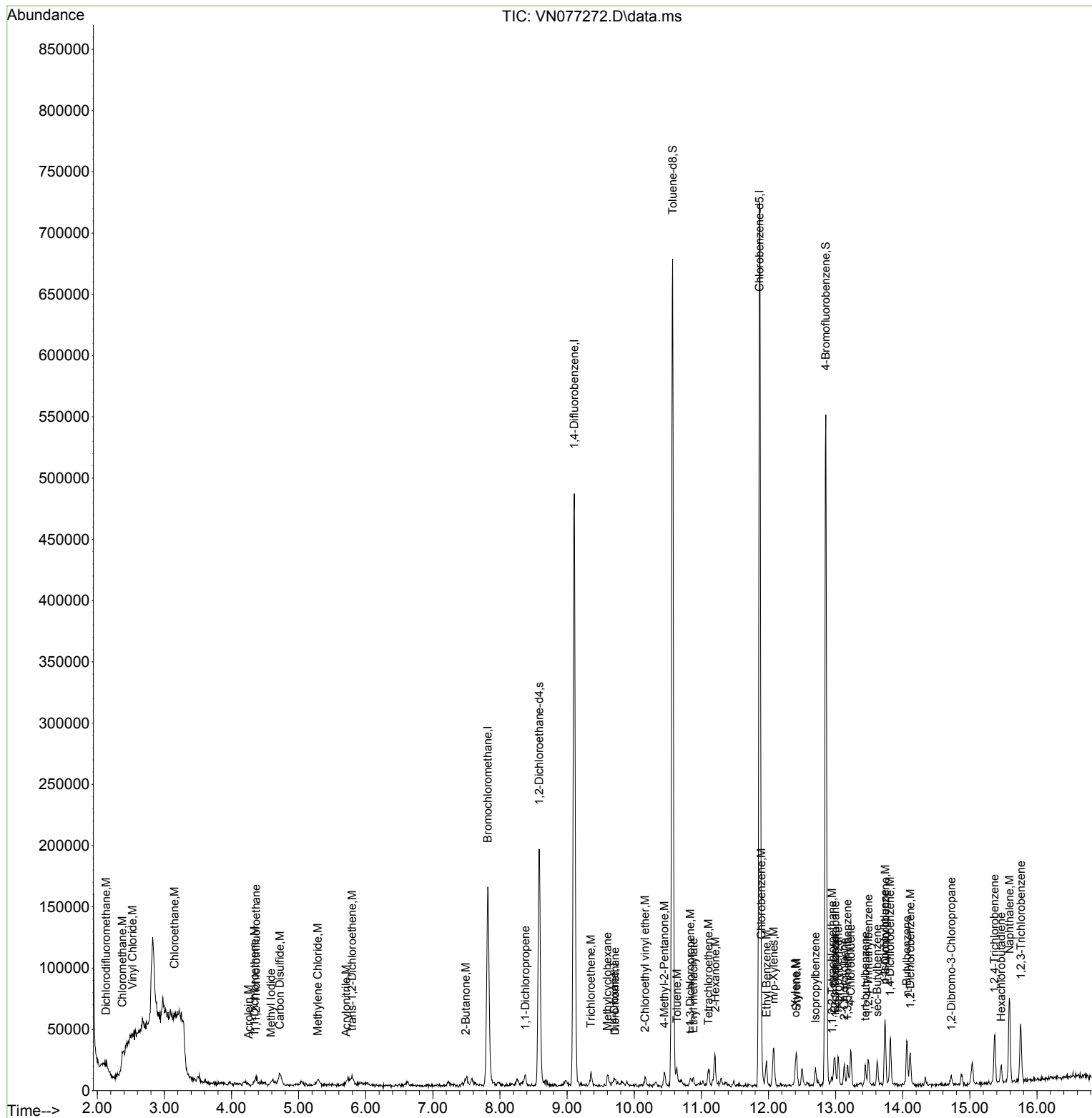
80) 1,2,4-Trimethylbenzene	13.489	105	9320	0.351	ug/l	72
81) sec-Butylbenzene	13.618	105	13594	0.402	ug/l	90
82) p-Isopropyltoluene	13.730	119	14988	0.553	ug/l	97
83) 1,3-Dichlorobenzene	13.742	146	12288	0.954	ug/l	97
84) 1,4-Dichlorobenzene	13.813	146	14688	1.176	ug/l	95
85) n-Butylbenzene	14.060	91	21687	0.969	ug/l	95
87) 1,2-Dichlorobenzene	14.113	146	11085	0.879	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.724	75	2430	1.239	ug/l #	82
89) 1,2,4-Trichlorobenzene	15.365	180	11566	2.331	ug/l	99
90) Hexachlorobutadiene	15.465	225	2020	0.794	ug/l	78
91) Naphthalene	15.589	128	62637	3.304	ug/l	98
92) 1,2,3-Trichlorobenzene	15.760	180	14025	2.897	ug/l	92

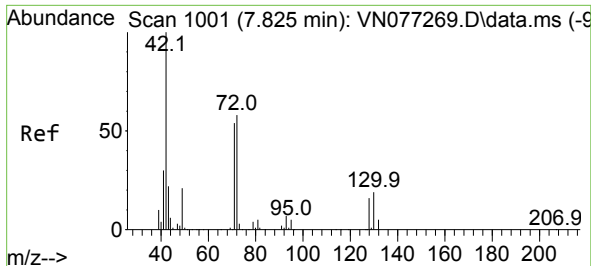
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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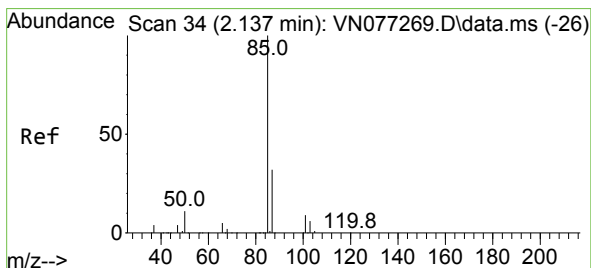
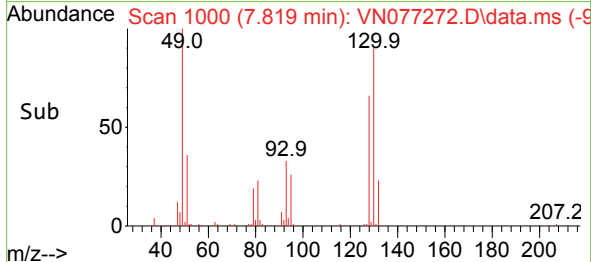
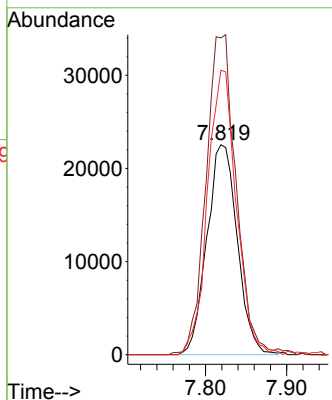
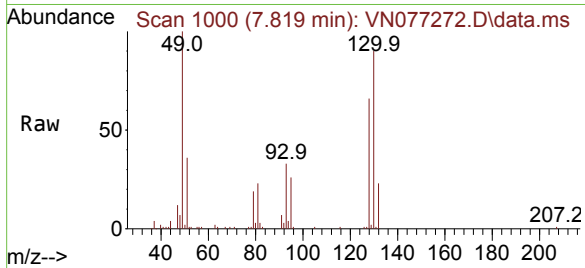




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.006 min
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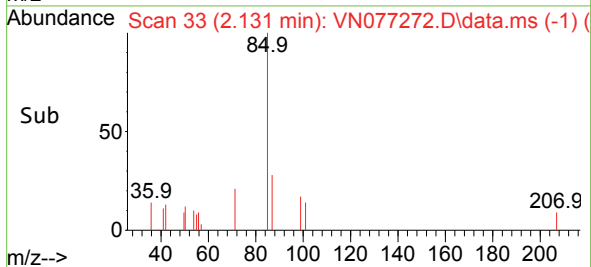
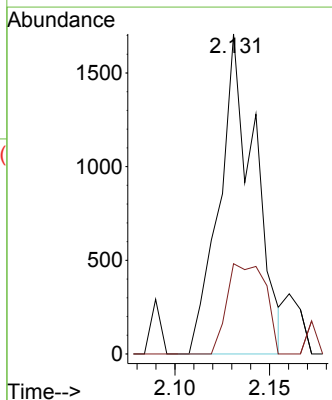
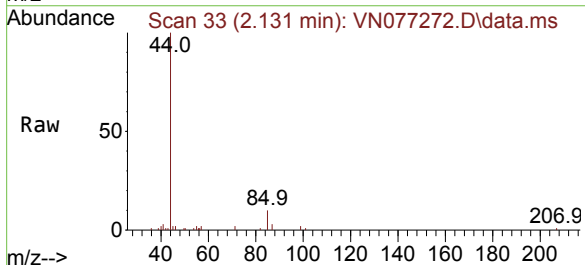
Instrument :
MSVOA_N
ClientSampleId :
IBLK

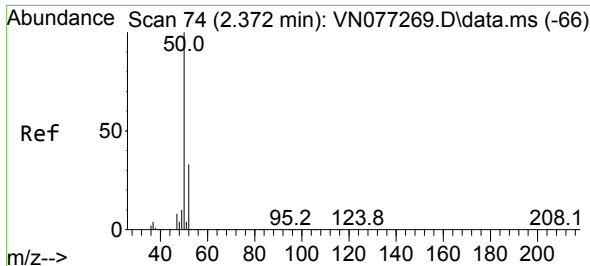
Tgt Ion:128 Resp: 58601
Ion Ratio Lower Upper
128 100
49 147.8 0.0 379.5
130 128.1 0.0 322.8



#2
Dichlorodifluoromethane
Concen: 0.400 ug/l
RT: 2.131 min Scan# 33
Delta R.T. -0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 85 Resp: 2231
Ion Ratio Lower Upper
85 100
87 28.2 16.2 48.6

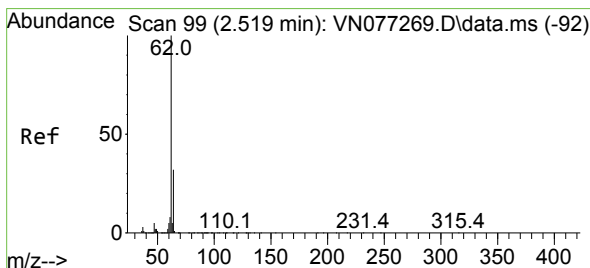
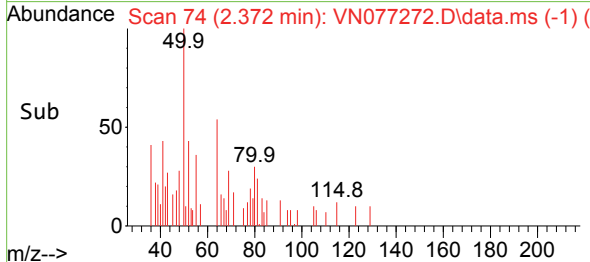
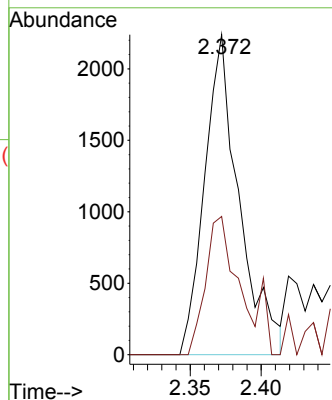
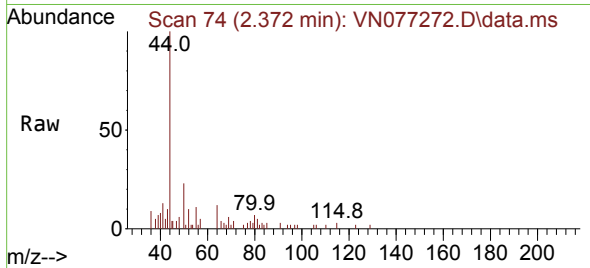




#3
Chloromethane
Concen: 0.513 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

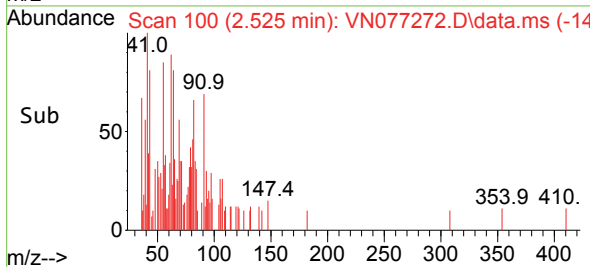
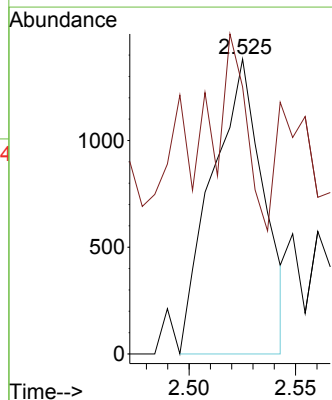
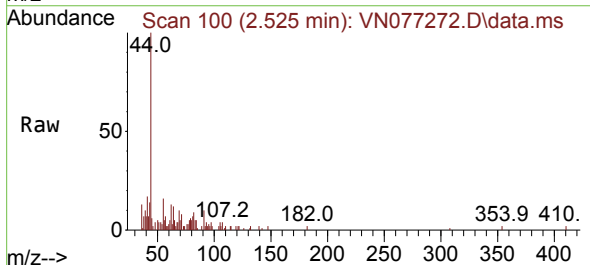
Instrument :
MSVOA_N
ClientSampleId :
IBLK

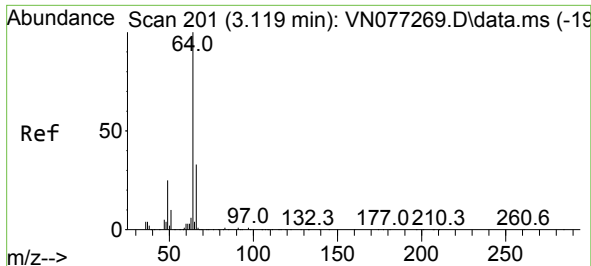
Tgt Ion: 50 Resp: 3797
Ion Ratio Lower Upper
50 100
52 39.2 26.4 39.6



#4
Vinyl Chloride
Concen: 0.219 ug/l
RT: 2.525 min Scan# 100
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 62 Resp: 2319
Ion Ratio Lower Upper
62 100
64 5.2 25.4 38.0#

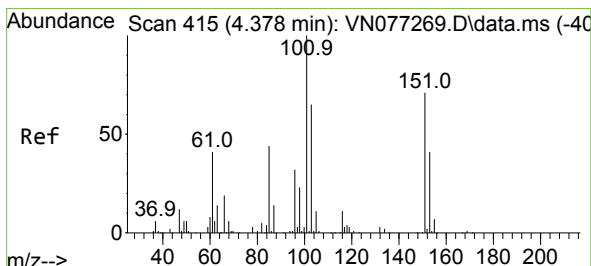
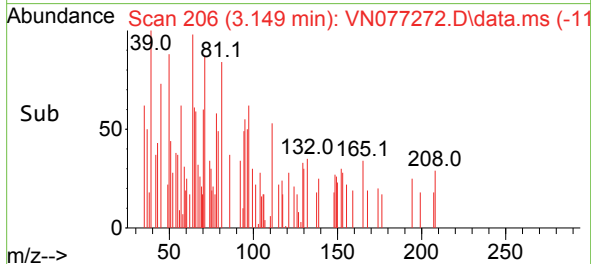
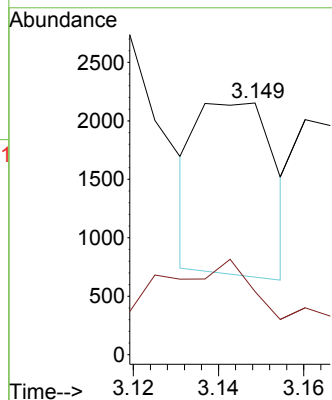
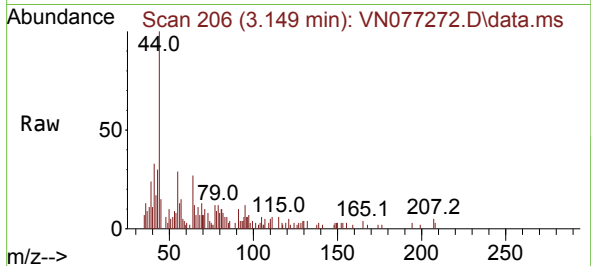




#6
Chloroethane
Concen: 0.258 ug/l
RT: 3.149 min Scan# 206
Delta R.T. 0.029 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

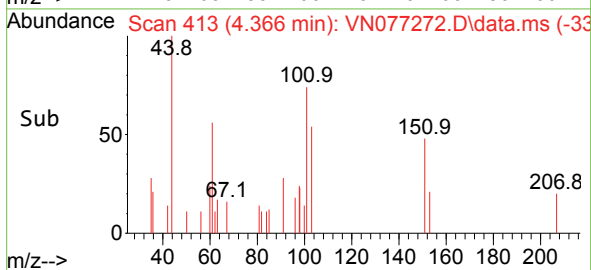
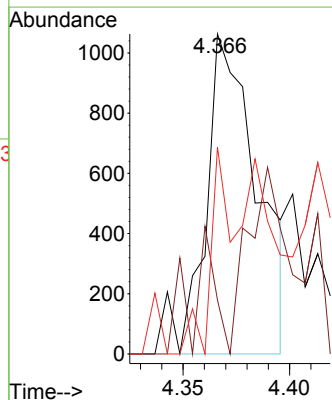
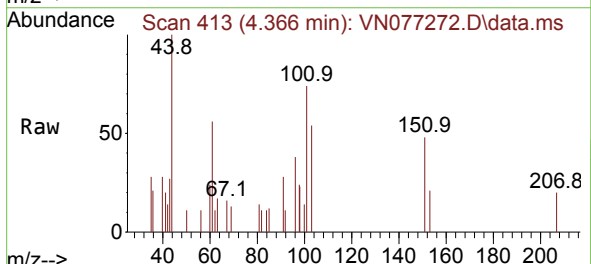
Instrument :
MSVOA_N
ClientSampleId :
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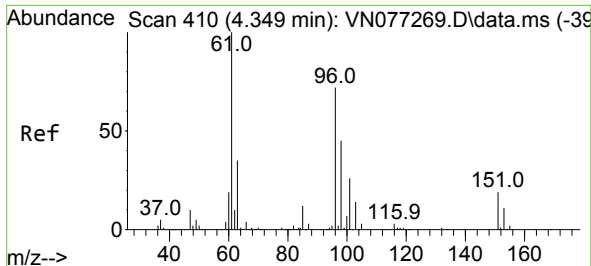
Tgt Ion: 64 Resp: 1834
Ion Ratio Lower Upper
64 100
66 37.5 25.7 38.5



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.281 ug/l
RT: 4.366 min Scan# 413
Delta R.T. -0.012 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 101 Resp: 1736
Ion Ratio Lower Upper
101 100
85 12.3 0.0 89.6
151 21.5 0.0 141.6





#10

1,1-Dichloroethene

Concen: 0.308 ug/l

RT: 4.343 min Scan# 409

Delta R.T. -0.006 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

IBLK

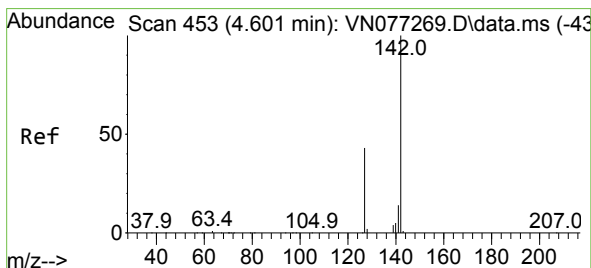
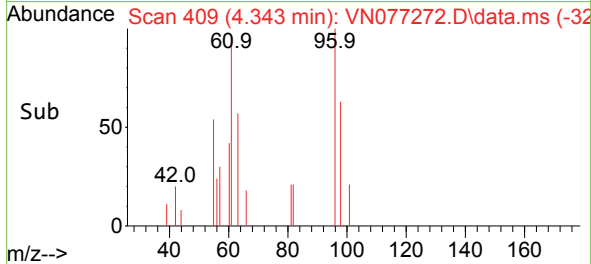
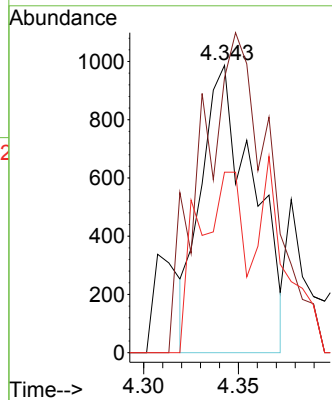
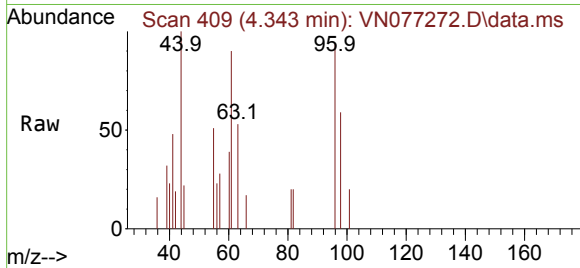
Tgt Ion: 96 Resp: 1901

Ion Ratio Lower Upper

96 100

61 68.8 110.7 166.1#

98 79.4 49.6 74.4#



#11

Methyl Iodide

Concen: 0.316 ug/l

RT: 4.590 min Scan# 451

Delta R.T. -0.012 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

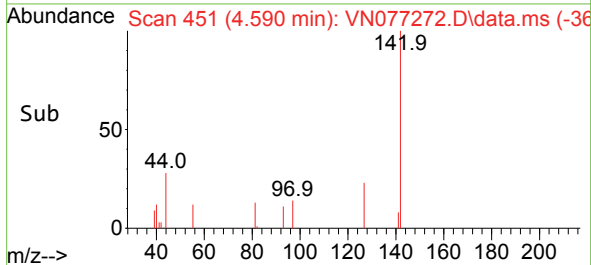
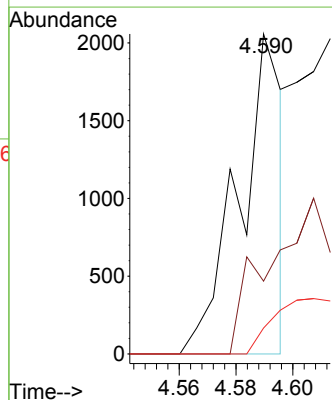
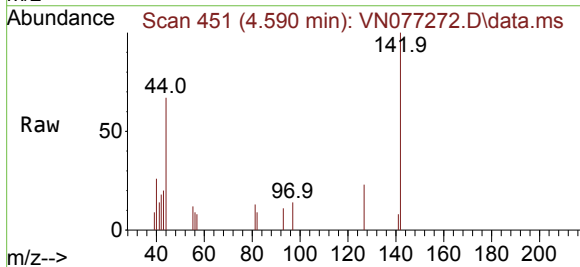
Tgt Ion:142 Resp: 2202

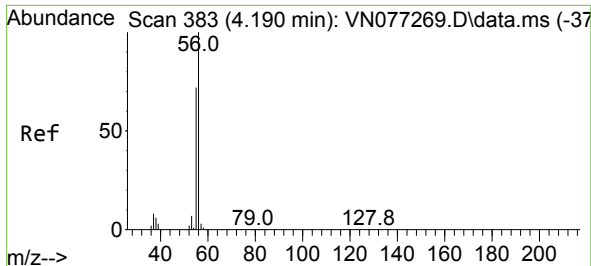
Ion Ratio Lower Upper

142 100

127 11.1 21.3 63.7#

141 2.2 7.0 20.9#





#13

Acrolein

Concen: 0.210 ug/l

RT: 4.254 min Scan# 394

Delta R.T. 0.065 min

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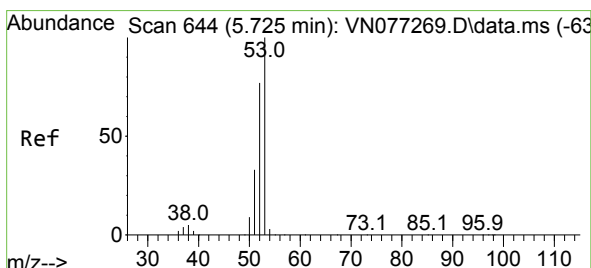
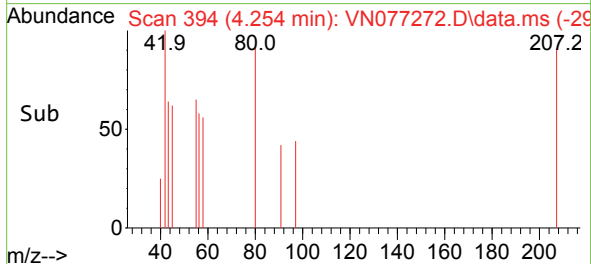
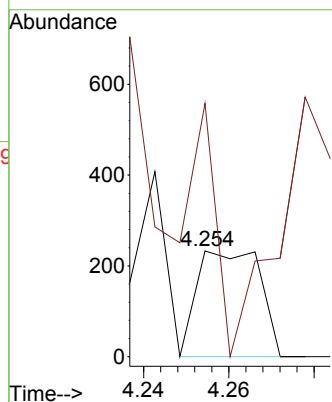
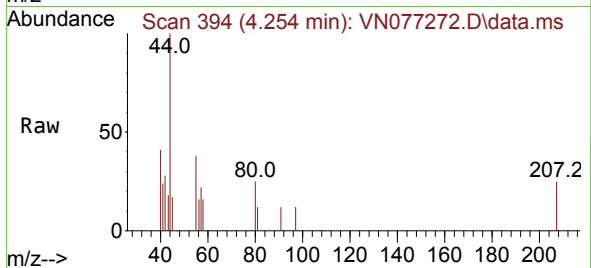
IBLK

Tgt Ion: 56 Resp: 240

Ion Ratio Lower Upper

56 100

55 82.1 55.2 82.8



#14

Acrylonitrile

Concen: 0.295 ug/l

RT: 5.707 min Scan# 641

Delta R.T. -0.018 min

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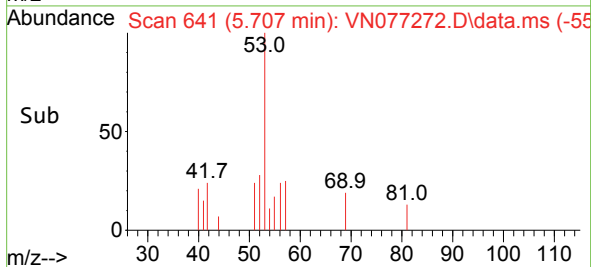
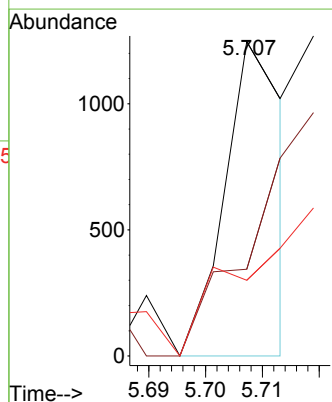
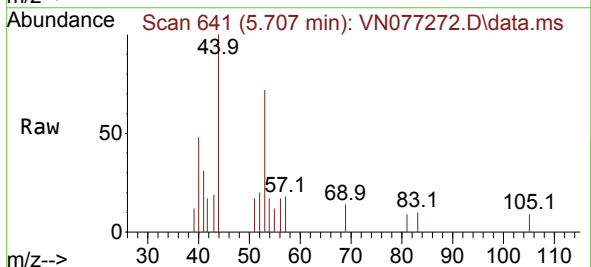
Tgt Ion: 53 Resp: 927

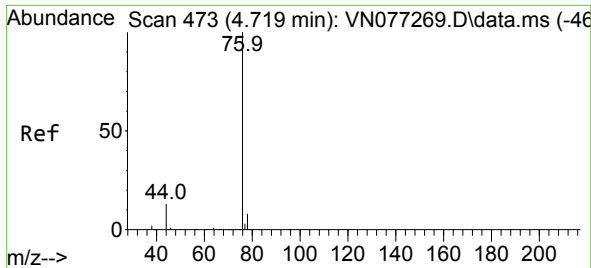
Ion Ratio Lower Upper

53 100

52 0.0 41.0 123.0#

51 0.0 17.7 53.1#

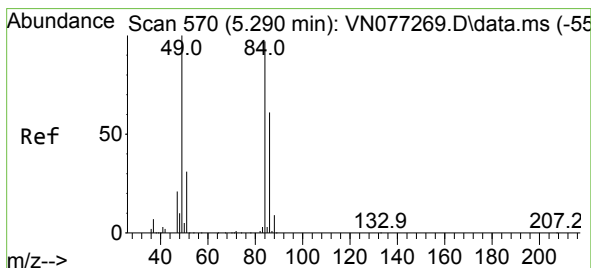
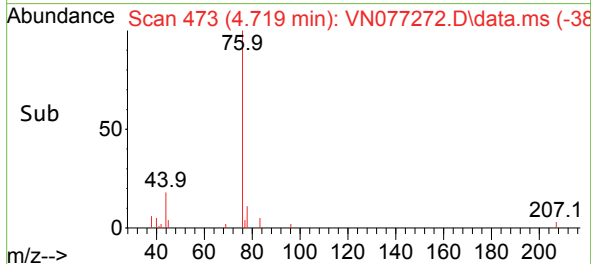
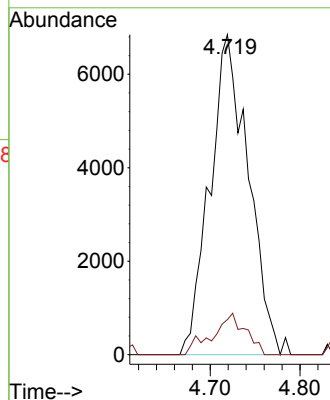
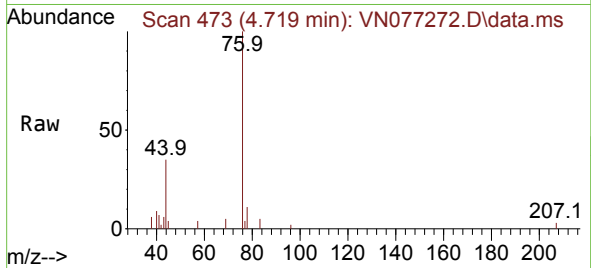




#16
Carbon Disulfide
Concen: 1.244 ug/l
RT: 4.719 min Scan# 41
Delta R.T. -0.000 min
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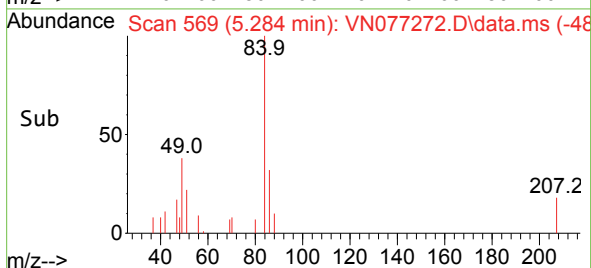
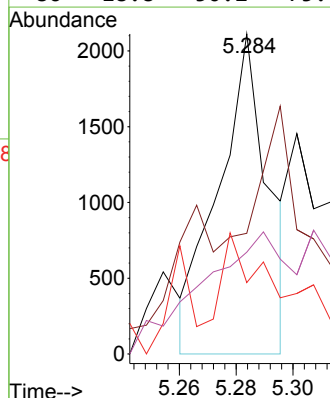
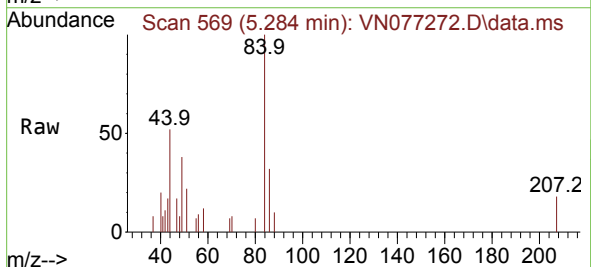
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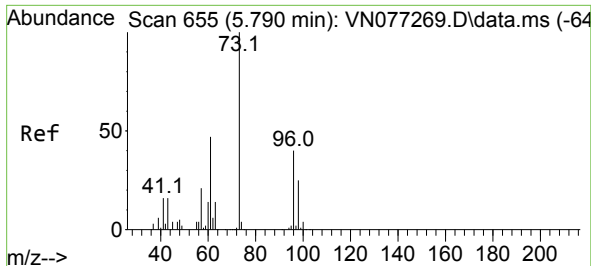
Tgt Ion: 76 Resp: 20281
Ion Ratio Lower Upper
76 100
78 11.0 6.3 9.5#



#18
Methylene Chloride
Concen: 0.357 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 84 Resp: 2562
Ion Ratio Lower Upper
84 100
49 3.3 82.7 124.1#
51 0.0 25.6 38.4#
86 18.8 50.2 75.4#

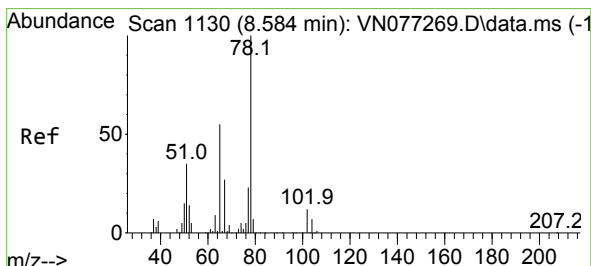
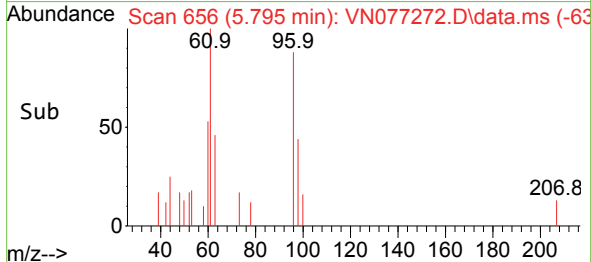
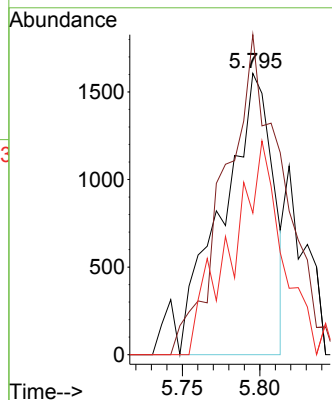
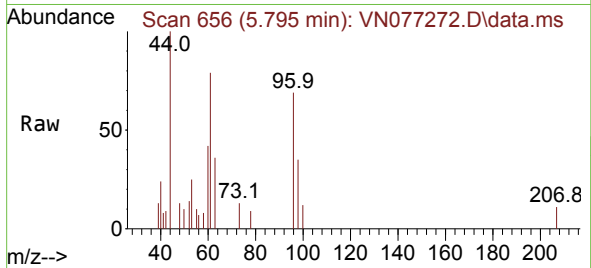




#19
trans-1,2-Dichloroethene
Concen: 0.542 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

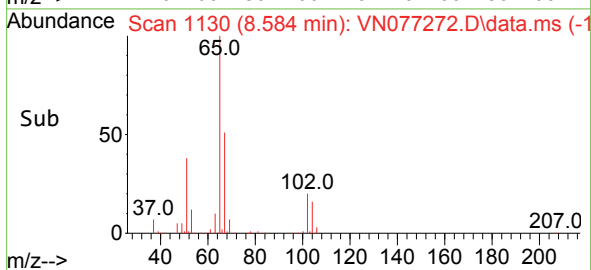
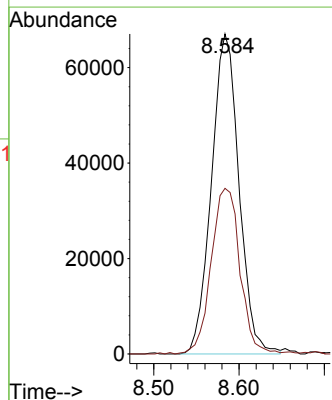
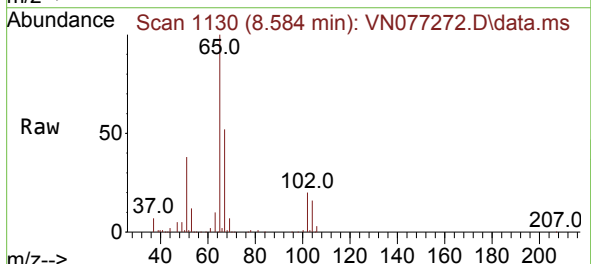
Instrument :
MSVOA_N
ClientSampleId :
IBLK

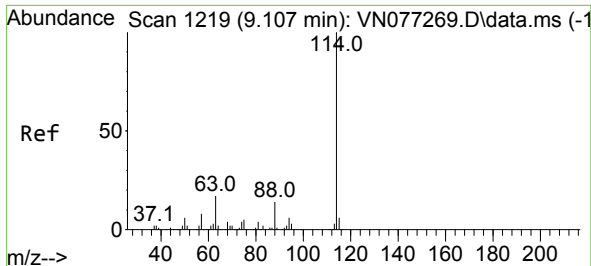
Tgt Ion: 96 Resp: 3638
Ion Ratio Lower Upper
96 100
61 103.5 94.5 141.7
98 50.3 49.8 74.8



#27
1,2-Dichloroethane-d4
Concen: 30.318 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 65 Resp: 150680
Ion Ratio Lower Upper
65 100
67 54.0 41.8 62.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

IBLK

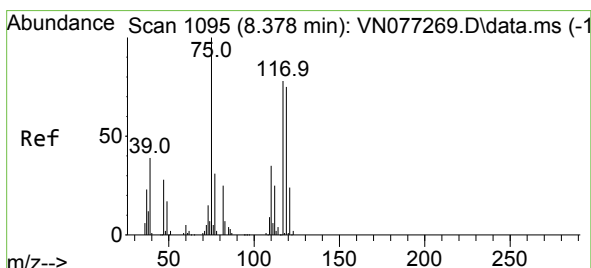
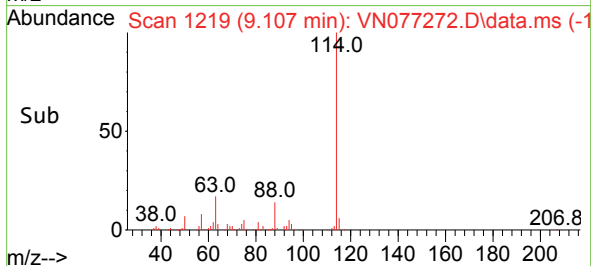
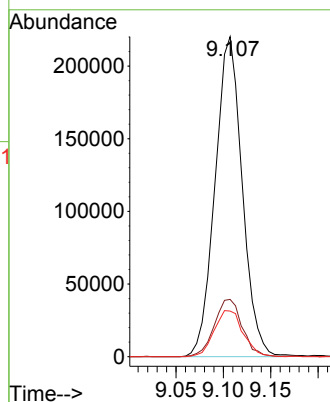
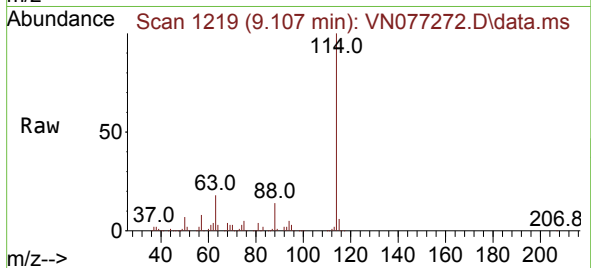
Tgt Ion:114 Resp: 439005

Ion Ratio Lower Upper

114 100

63 18.4 15.0 22.4

88 15.4 11.9 17.9



#29

1,1-Dichloropropene

Concen: 0.398 ug/l

RT: 8.378 min Scan# 1095

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

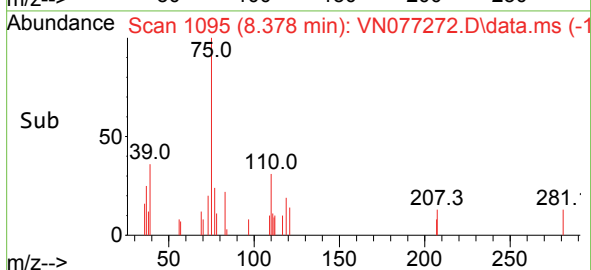
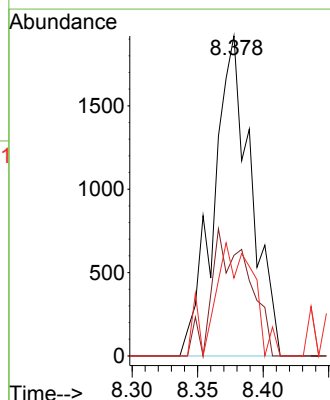
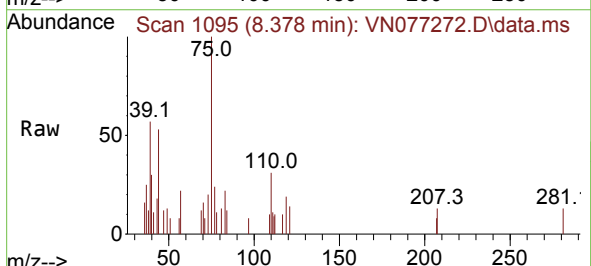
Tgt Ion: 75 Resp: 3789

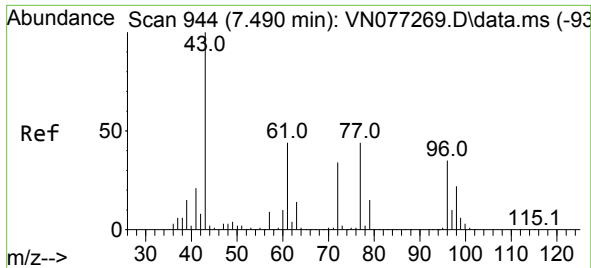
Ion Ratio Lower Upper

75 100

110 21.6 0.0 72.4

77 15.0 0.0 61.4

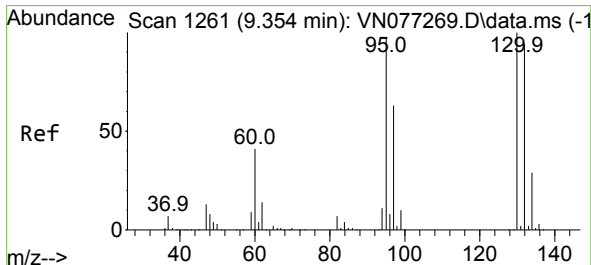
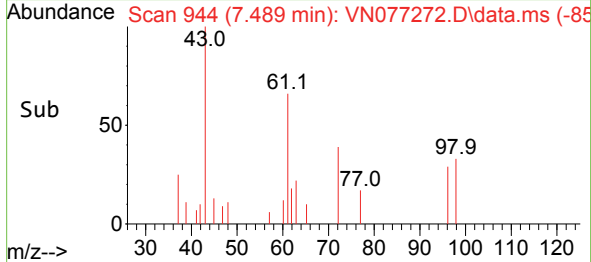
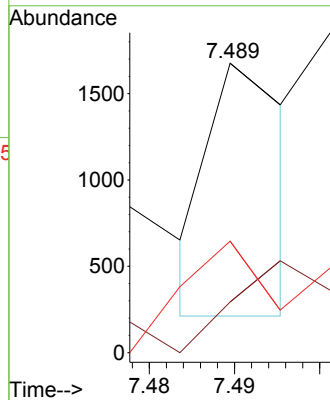
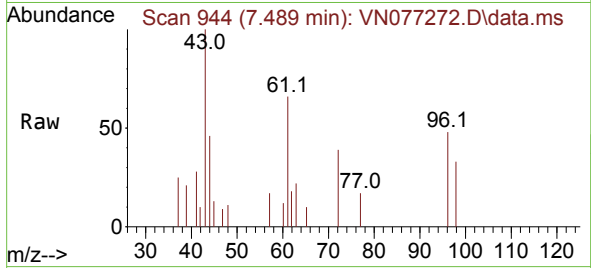




#30
2-Butanone
Concen: 0.211 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

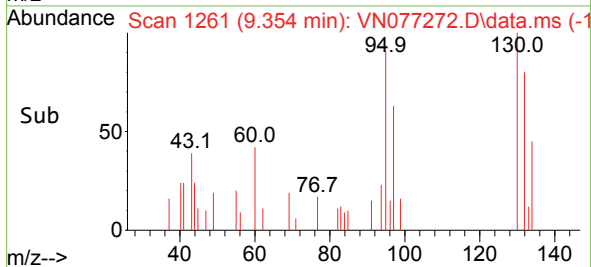
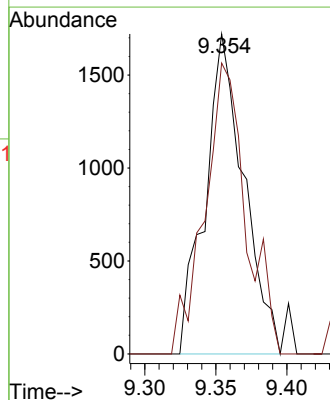
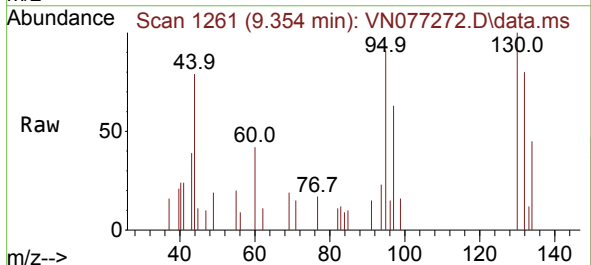
Instrument :
MSVOA_N
ClientSampleId :
IBLK

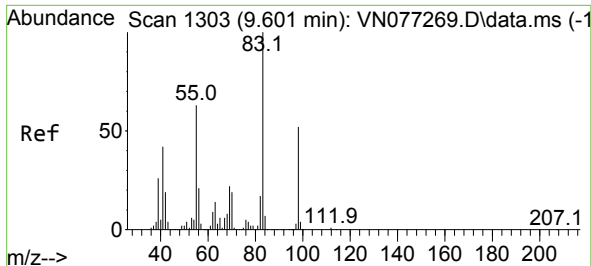
Tgt Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
57 44.2 7.5 11.3#
72 47.3 26.9 40.3#



#37
Trichloroethene
Concen: 0.454 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion:130 Resp: 3269
Ion Ratio Lower Upper
130 100
95 90.9 77.5 116.3





#38

Methylcyclohexane

Concen: 0.295 ug/l

RT: 9.601 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

IBLK

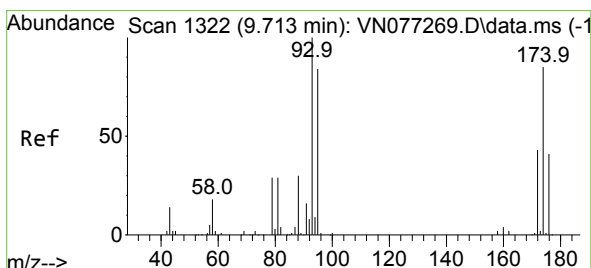
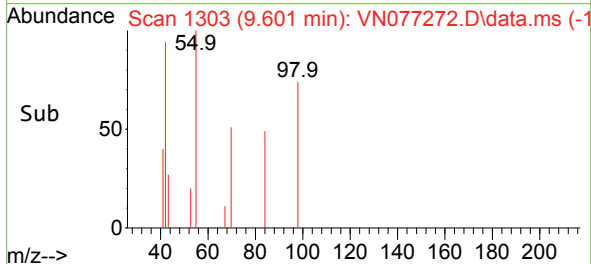
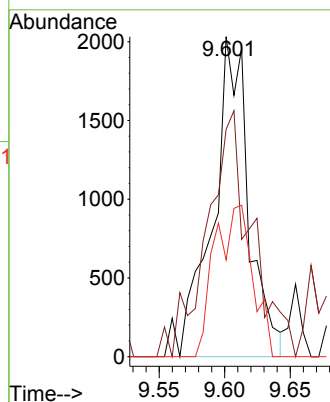
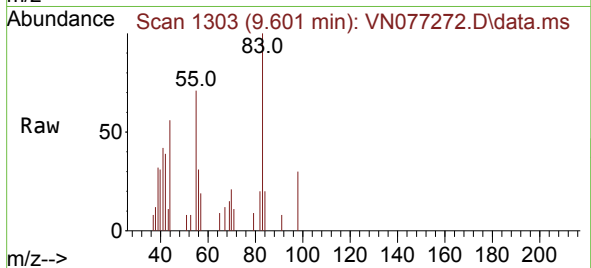
Tgt Ion: 83 Resp: 3807

Ion Ratio Lower Upper

83 100

55 56.3 32.0 96.2

98 29.7 25.3 75.9



#40

Dibromomethane

Concen: 0.419 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

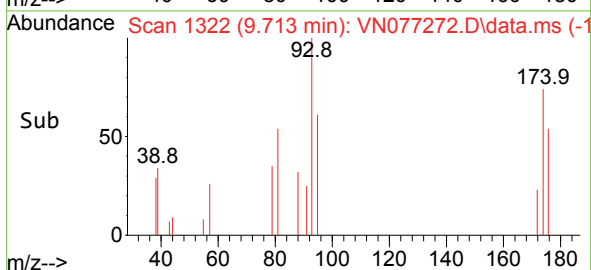
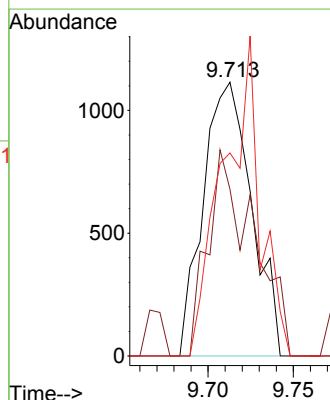
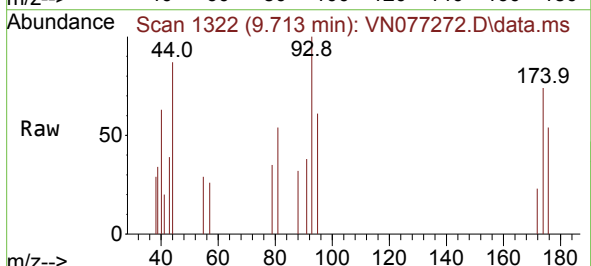
Tgt Ion: 93 Resp: 2203

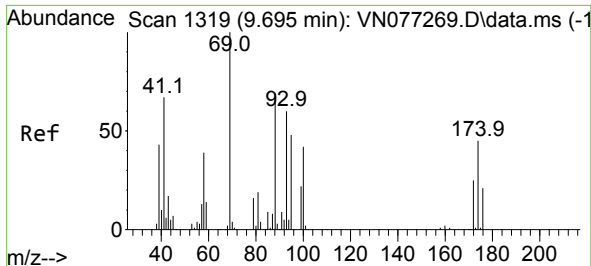
Ion Ratio Lower Upper

93 100

95 44.7 0.0 166.4

174 50.8 0.0 164.8

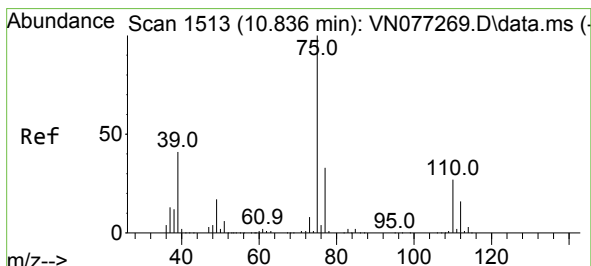
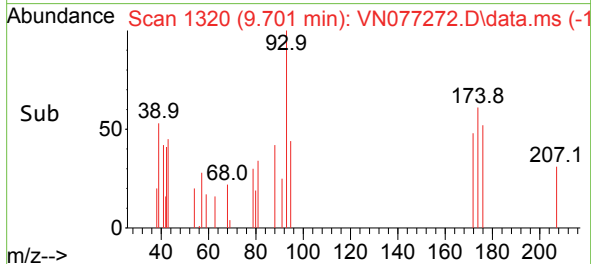
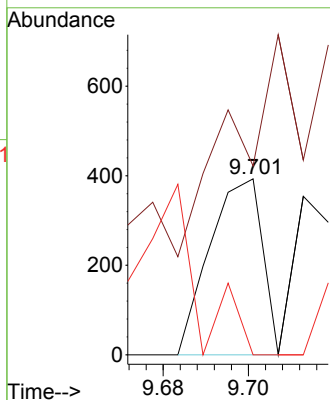
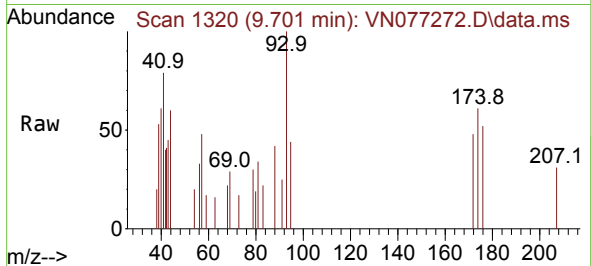




#45
1,4-Dioxane
Concen: 2.145 ug/l
RT: 9.701 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

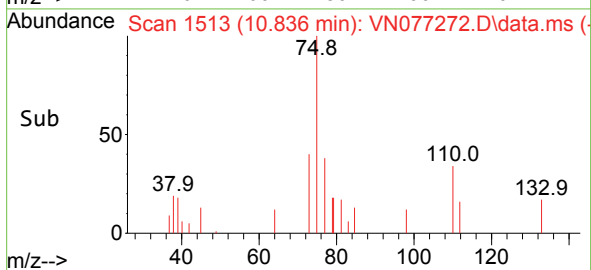
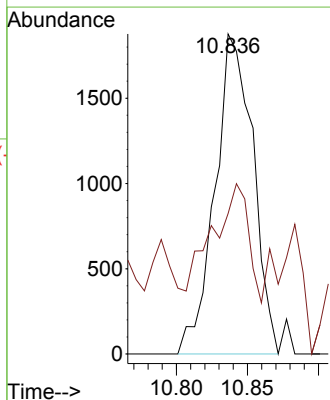
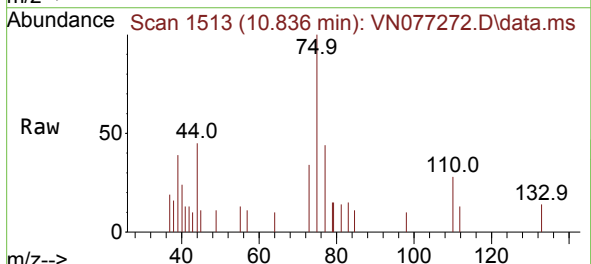
Instrument :
MSVOA_N
ClientSampleId :
IBLK

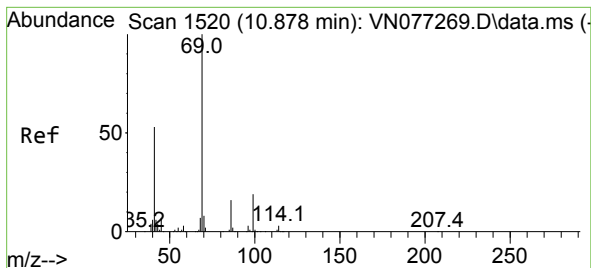
Tgt Ion: 88 Resp: 337
Ion Ratio Lower Upper
88 100
43 75.1 17.4 26.0#
58 16.6 48.2 72.4#



#48
t-1,3-Dichloropropene
Concen: 0.297 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 75 Resp: 3492
Ion Ratio Lower Upper
75 100
77 23.3 26.5 39.7#





#51

Ethyl methacrylate

Concen: 0.264 ug/l

RT: 10.883 min Scan# 1520

Delta R.T. 0.006 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

IBLK

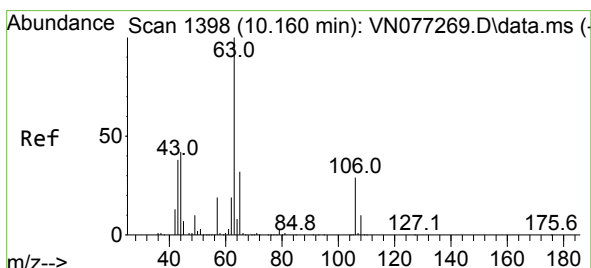
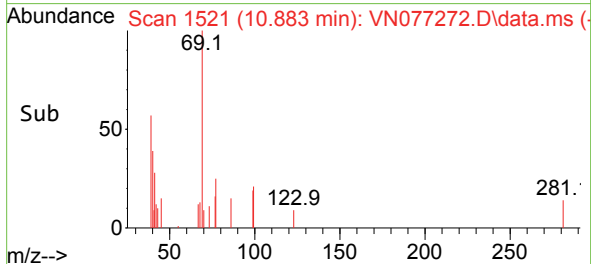
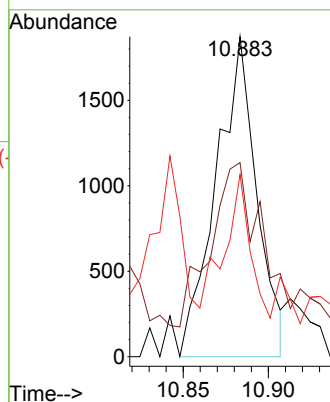
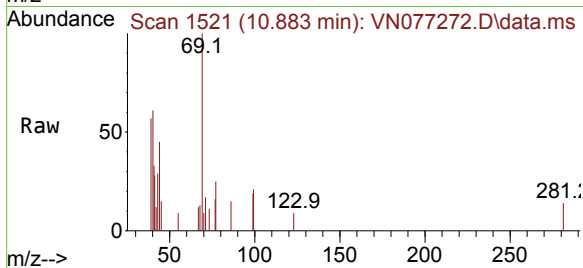
Tgt Ion: 69 Resp: 3103

Ion Ratio Lower Upper

69 100

41 51.3 26.7 80.0

39 32.1 17.0 50.9



#55

2-Chloroethyl vinyl ether

Concen: 0.914 ug/l

RT: 10.160 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

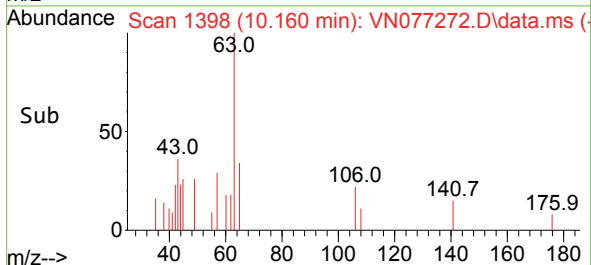
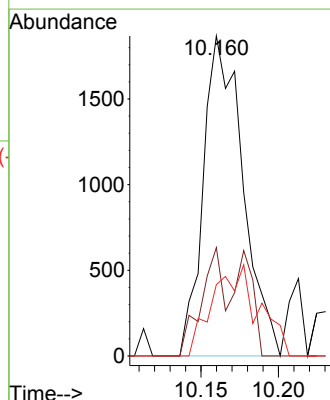
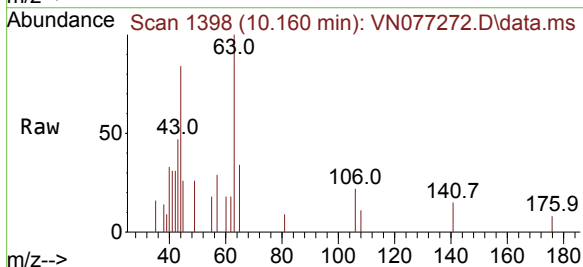
Tgt Ion: 63 Resp: 3313

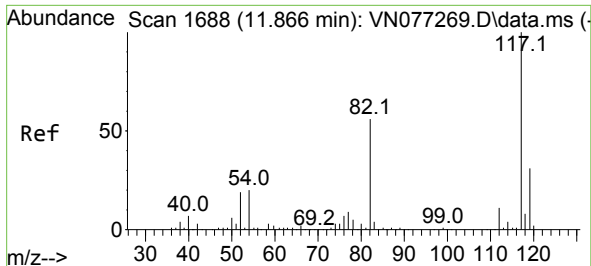
Ion Ratio Lower Upper

63 100

65 19.2 25.7 38.5#

106 17.9 24.0 36.0#

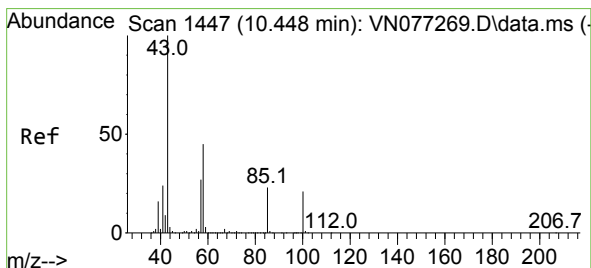
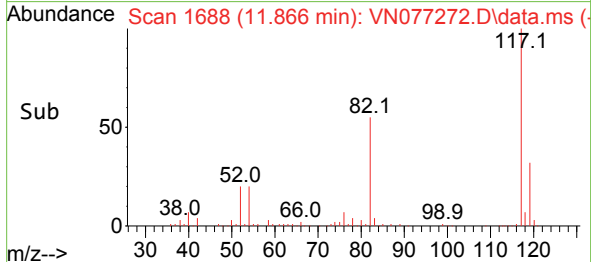
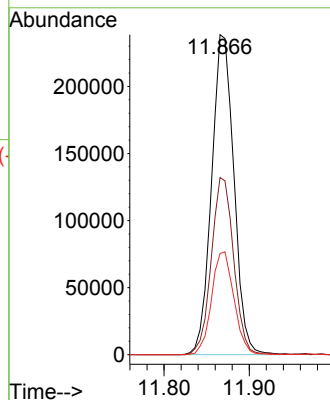
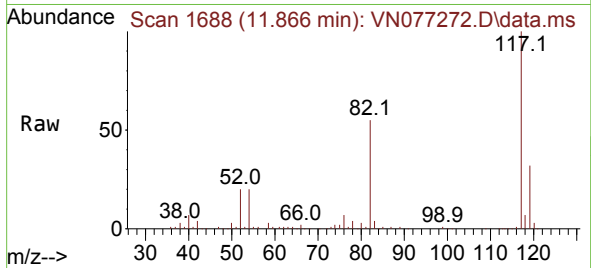




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

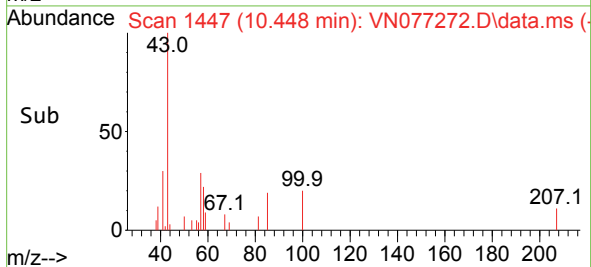
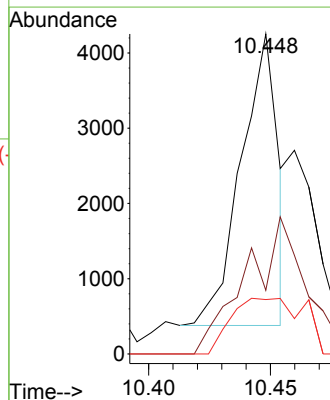
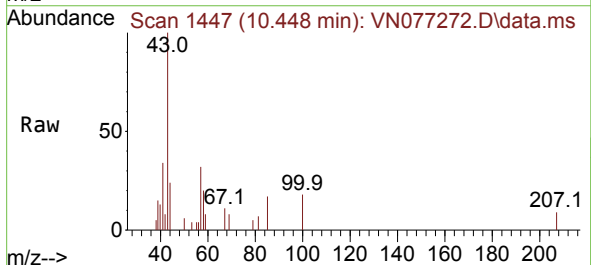
Instrument :
MSVOA_N
ClientSampleId :
IBLK

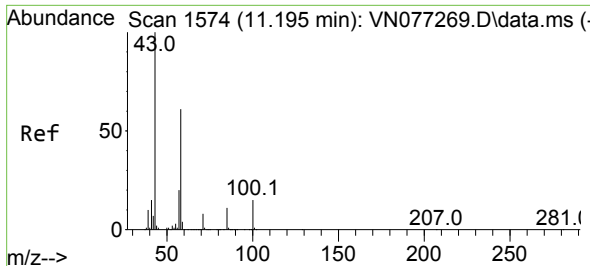
Tgt Ion:117 Resp: 434463
Ion Ratio Lower Upper
117 100
82 55.2 43.8 65.8
119 32.3 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 0.506 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 43 Resp: 4115
Ion Ratio Lower Upper
43 100
58 40.3 34.7 52.1
85 0.0 17.8 26.8#

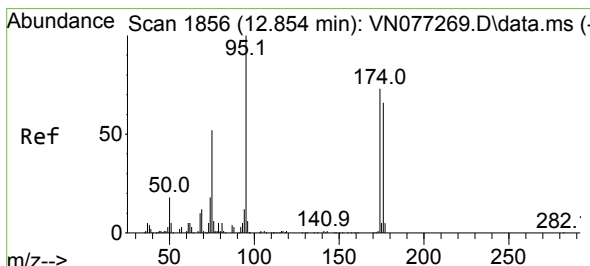
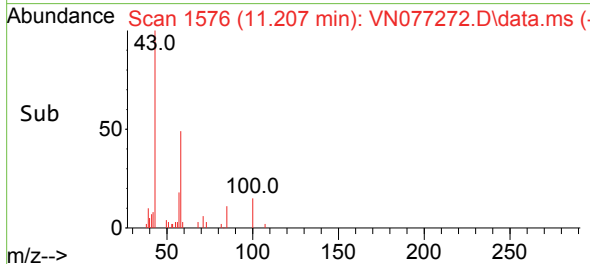
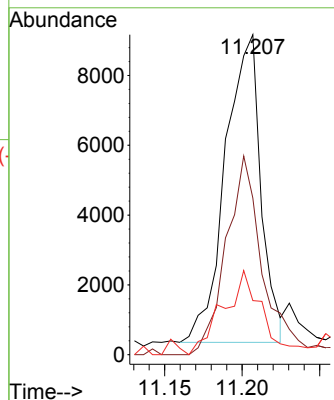
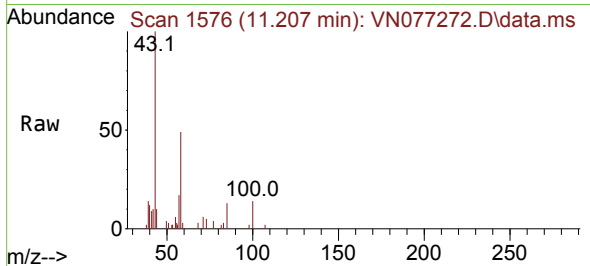




#59
2-Hexanone
Concen: 2.235 ug/l
RT: 11.207 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

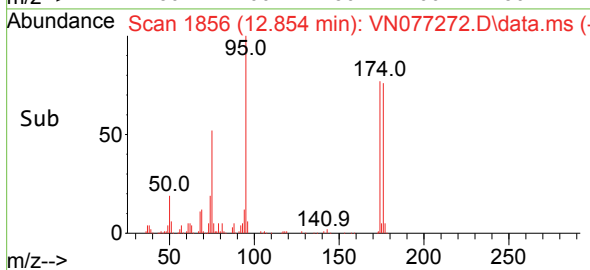
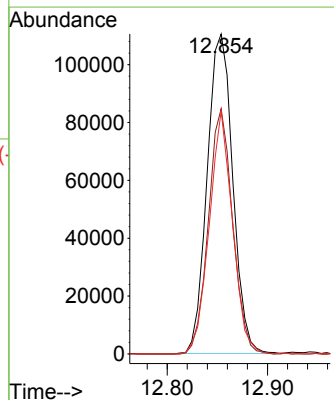
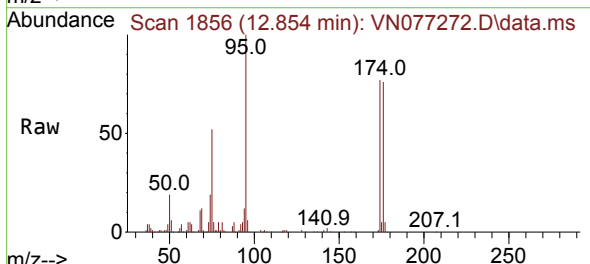
Instrument :
MSVOA_N
ClientSampleId :
IBLK

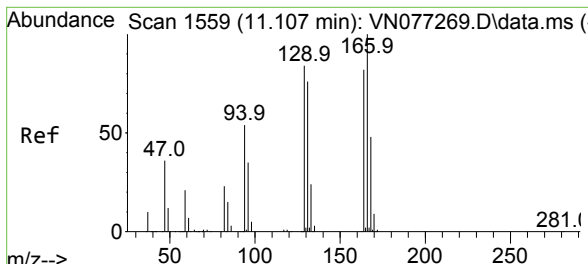
Tgt Ion: 43 Resp: 14054
Ion Ratio Lower Upper
43 100
58 65.4 48.6 73.0
57 21.0 16.7 25.1



#60
4-Bromofluorobenzene
Concen: 26.079 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 95 Resp: 195917
Ion Ratio Lower Upper
95 100
174 72.7 57.8 86.8
176 69.0 54.6 81.8

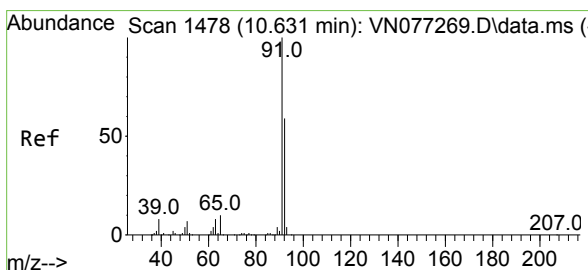
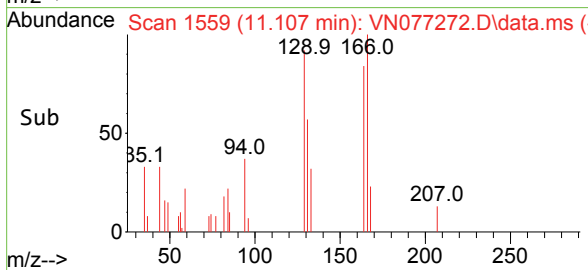
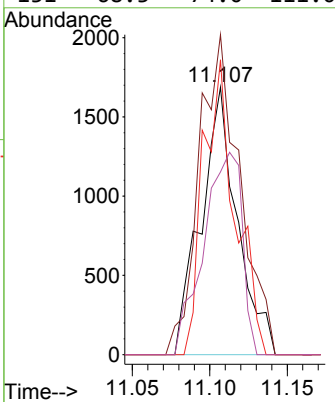
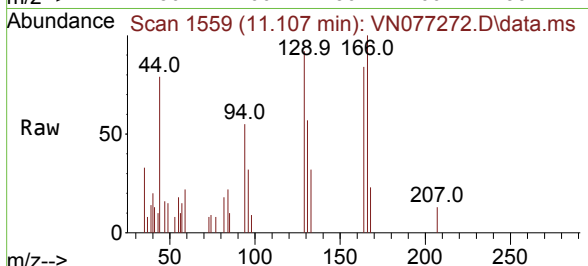




#61
 Tetrachloroethene
 Concen: 0.532 ug/l
 RT: 11.107 min Scan# 1559
 Delta R.T. -0.000 min
 Lab File: VN077272.D
 Acq: 07 Apr 2023 11:35

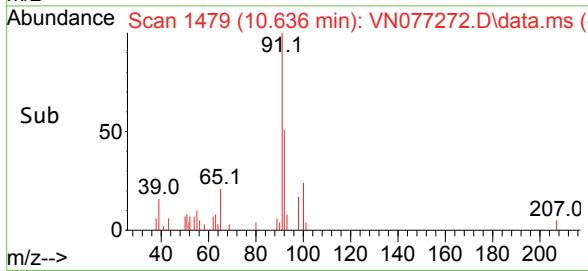
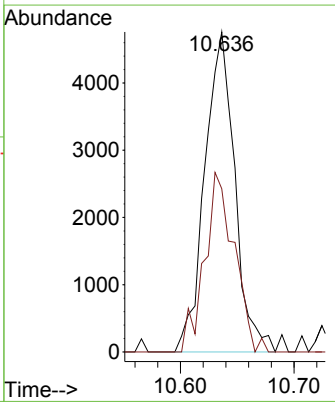
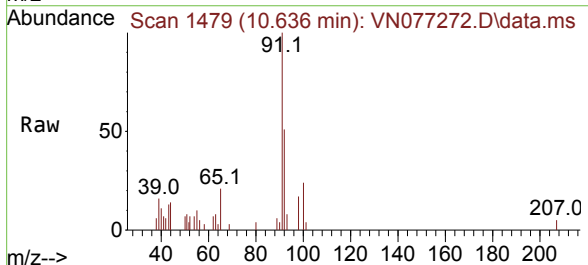
Instrument : MSVOA_N
 ClientSampleId : IBLK

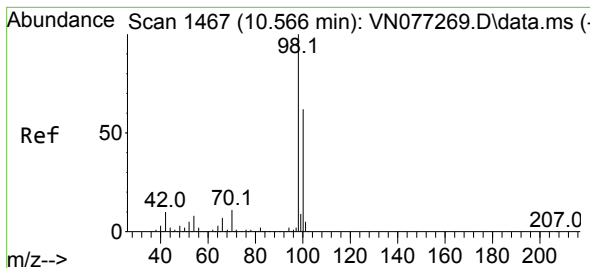
Tgt Ion:	164	Resp:	2751
Ion	Ratio	Lower	Upper
164	100		
166	119.6	97.9	146.9
129	110.2	82.5	123.7
131	68.3	74.0	111.0



#62
 Toluene
 Concen: 0.288 ug/l
 RT: 10.636 min Scan# 1479
 Delta R.T. 0.006 min
 Lab File: VN077272.D
 Acq: 07 Apr 2023 11:35

Tgt Ion:	91	Resp:	8740
Ion	Ratio	Lower	Upper
91	100		
92	54.6	46.6	70.0





#63

Toluene-d8

Concen: 32.262 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

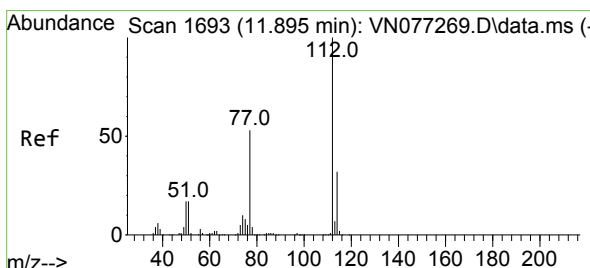
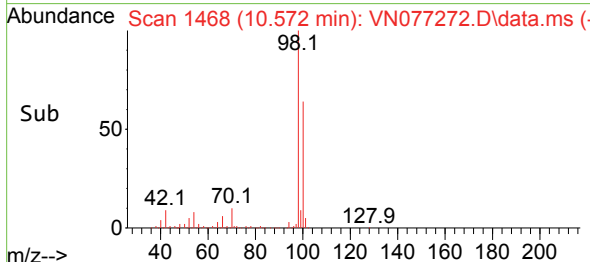
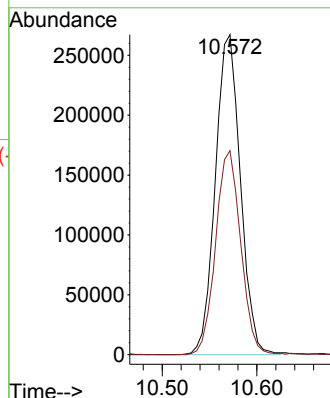
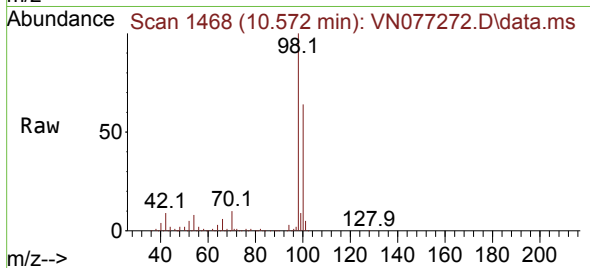
IBLK

Tgt Ion: 98 Resp: 492758

Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.2



#64

Chlorobenzene

Concen: 0.491 ug/l

RT: 11.895 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VN077272.D

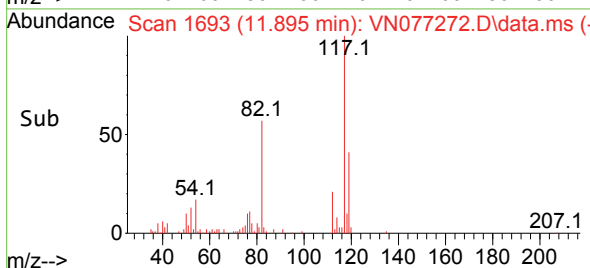
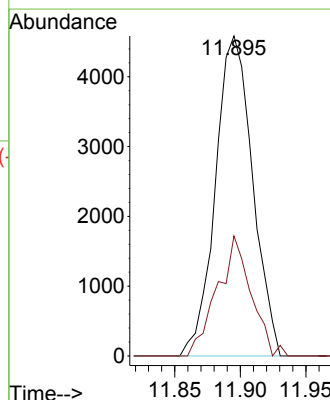
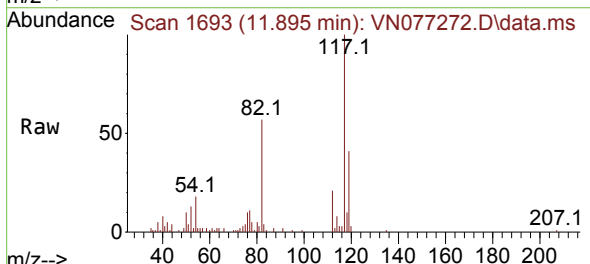
Acq: 07 Apr 2023 11:35

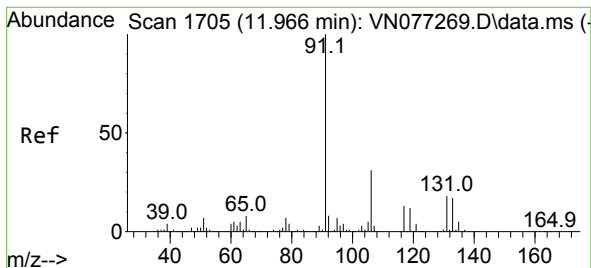
Tgt Ion: 112 Resp: 9036

Ion Ratio Lower Upper

112 100

114 37.5 25.6 38.4





#66

Ethyl Benzene

Concen: 0.369 ug/l

RT: 11.972 min Scan# 1706

Delta R.T. 0.006 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

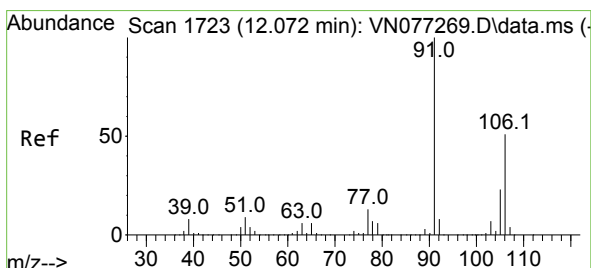
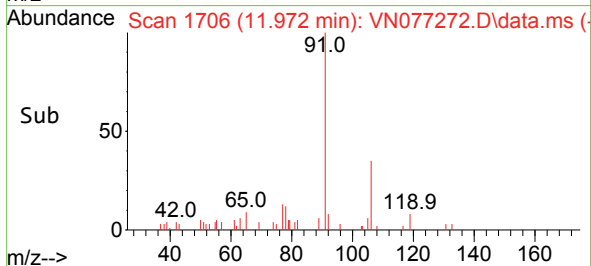
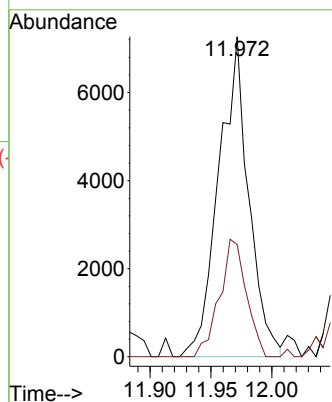
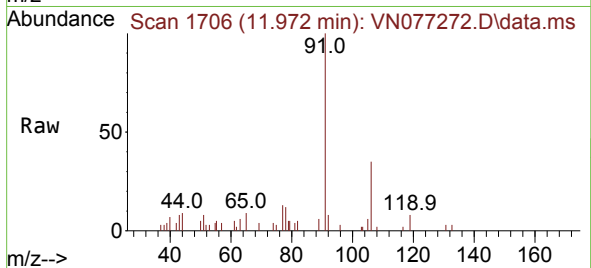
IBLK

Tgt Ion: 91 Resp: 12406

Ion Ratio Lower Upper

91 100

106 35.0 25.0 37.6



#67

m/p-Xylenes

Concen: 0.765 ug/l

RT: 12.077 min Scan# 1724

Delta R.T. 0.006 min

Lab File: VN077272.D

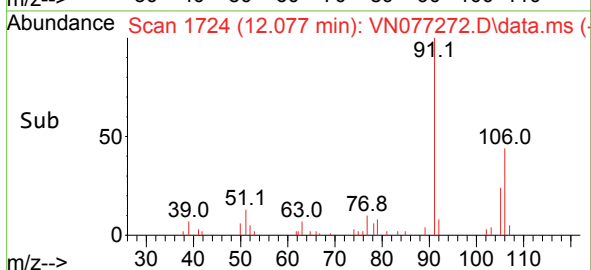
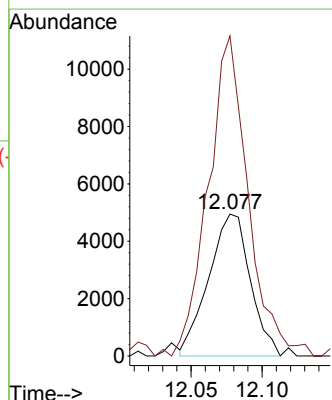
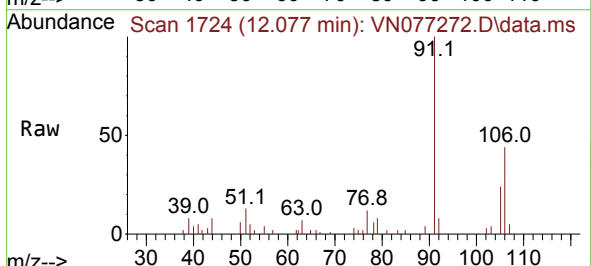
Acq: 07 Apr 2023 11:35

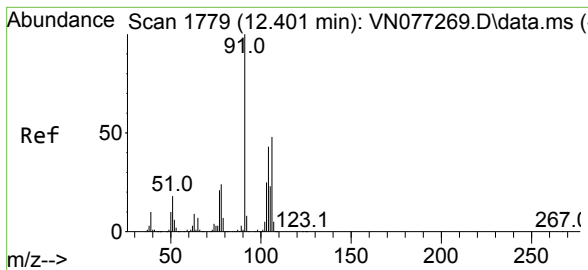
Tgt Ion:106 Resp: 10070

Ion Ratio Lower Upper

106 100

91 213.5 158.0 237.0

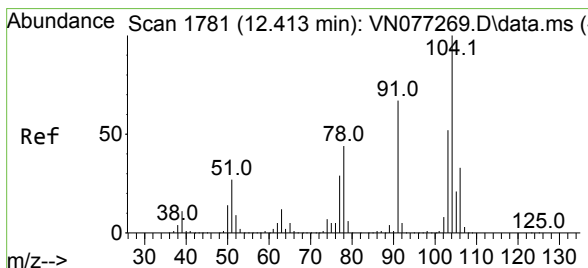
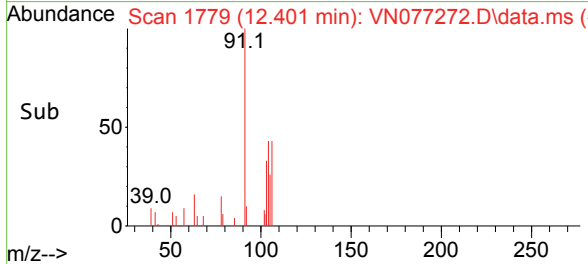
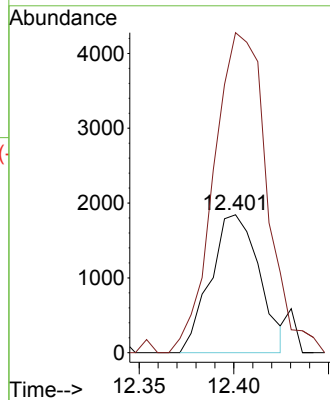
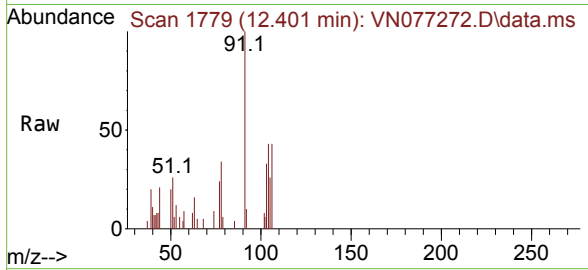




#68
o-Xylene
Concen: 0.251 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

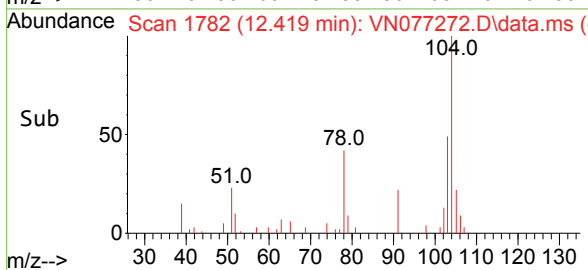
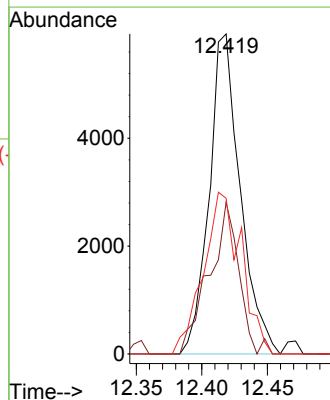
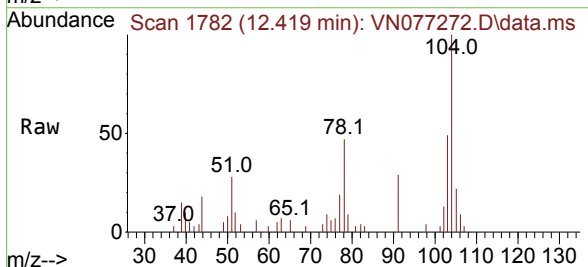
Instrument :
MSVOA_N
ClientSampleId :
IBLK

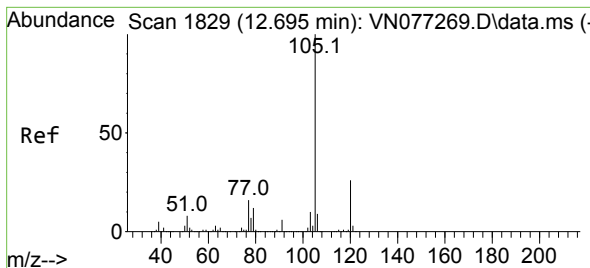
Tgt Ion:106 Resp: 3309
Ion Ratio Lower Upper
106 100
91 250.2 103.6 310.8



#69
Styrene
Concen: 0.464 ug/l
RT: 12.419 min Scan# 1782
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion:104 Resp: 9785
Ion Ratio Lower Upper
104 100
78 44.5 38.2 57.4
103 61.8 43.6 65.4





#70

Isopropylbenzene

Concen: 0.265 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. 0.006 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

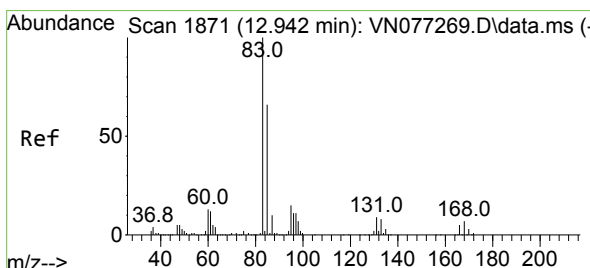
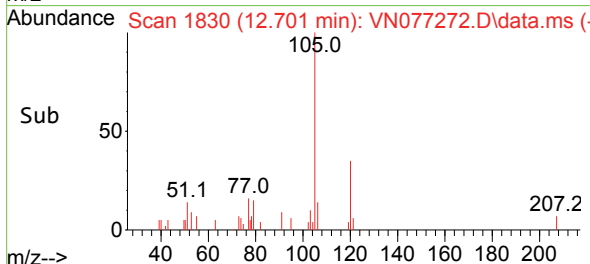
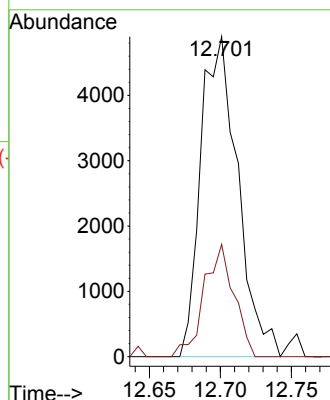
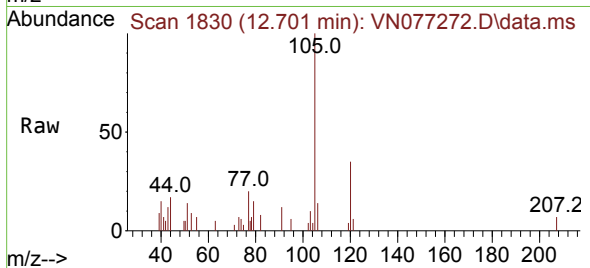
IBLK

Tgt Ion:105 Resp: 8863

Ion Ratio Lower Upper

105 100

120 27.0 18.3 34.1



#71

1,1,2,2-Tetrachloroethane

Concen: 0.343 ug/l

RT: 12.948 min Scan# 1872

Delta R.T. 0.006 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

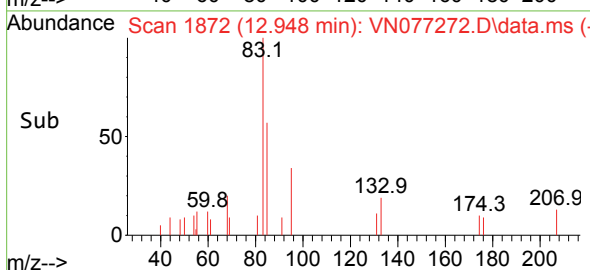
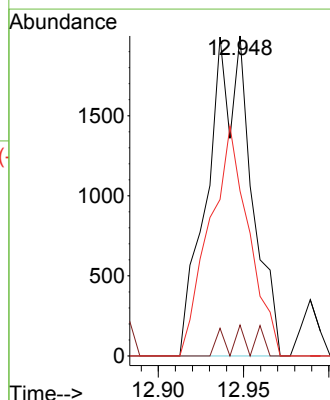
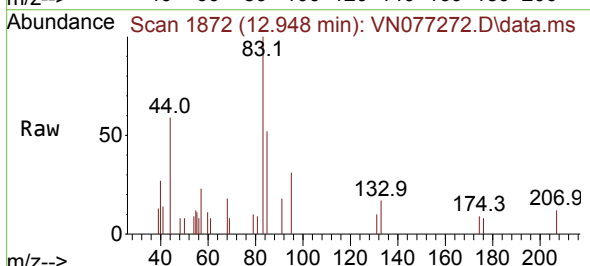
Tgt Ion: 83 Resp: 3511

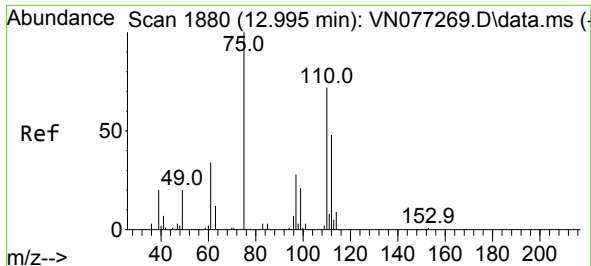
Ion Ratio Lower Upper

83 100

131 1.9 4.7 14.0#

85 0.0 32.3 96.8#

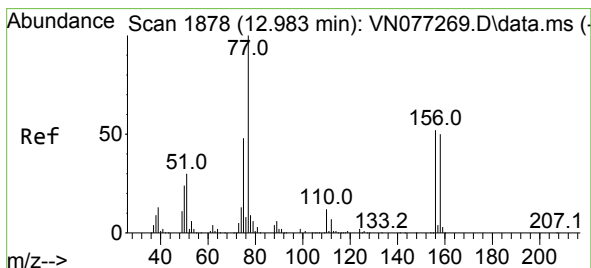
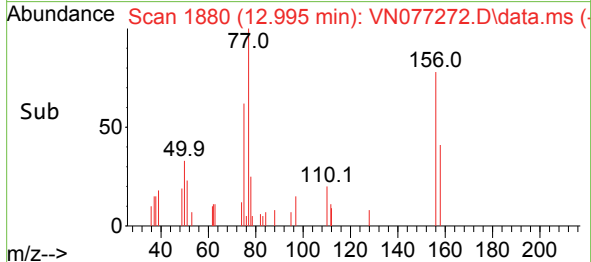
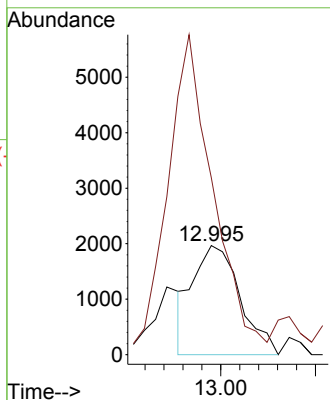
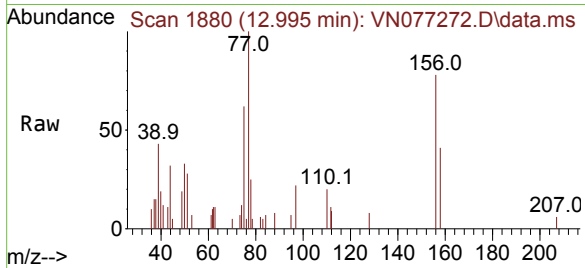




#72
1,2,3-Trichloropropane
Concen: 0.489 ug/l
RT: 12.995 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

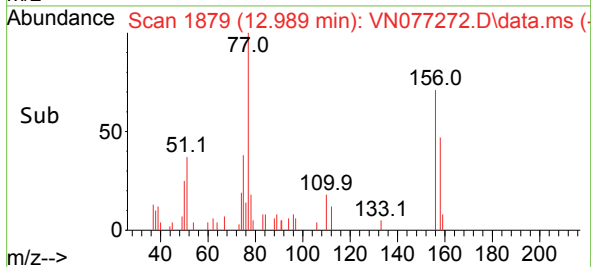
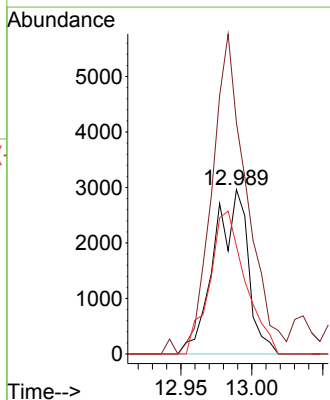
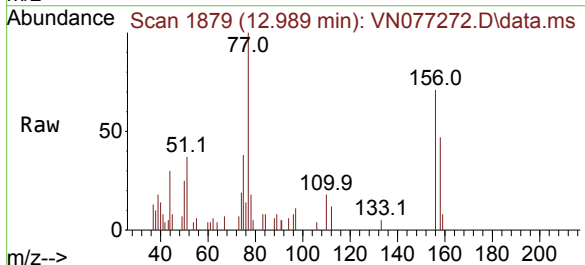
Instrument :
MSVOA_N
ClientSampleId :
IBLK

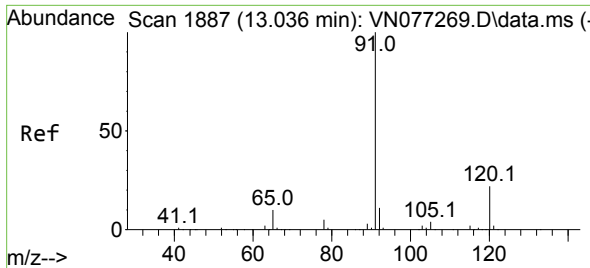
Tgt Ion: 75 Resp: 3399
Ion Ratio Lower Upper
75 100
77 285.9 0.0 434.2



#73
Bromobenzene
Concen: 0.724 ug/l
RT: 12.989 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 156 Resp: 4913
Ion Ratio Lower Upper
156 100
77 197.8 0.0 456.6
158 91.9 0.0 195.6

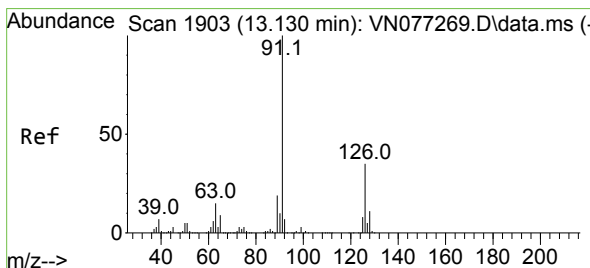
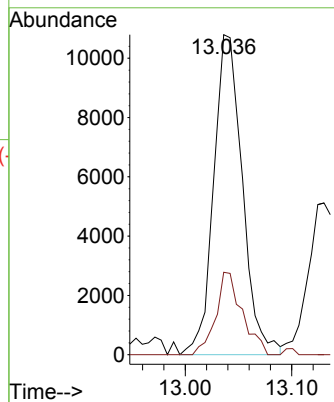
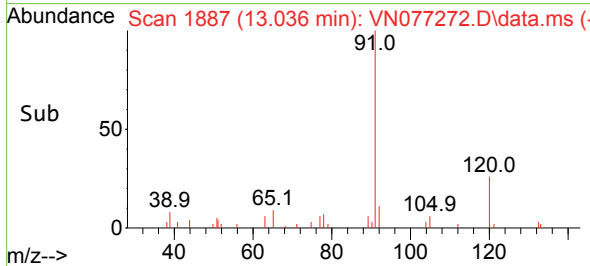
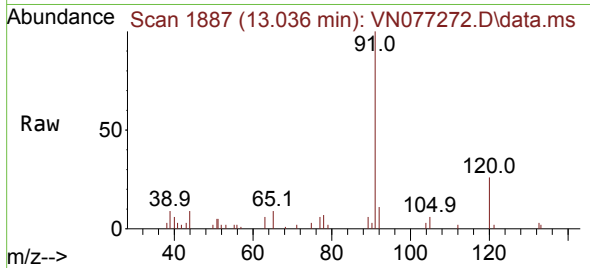




#74
n-propylbenzene
Concen: 0.546 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

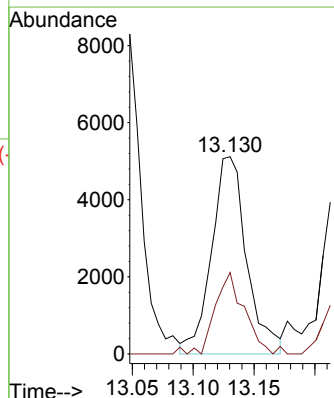
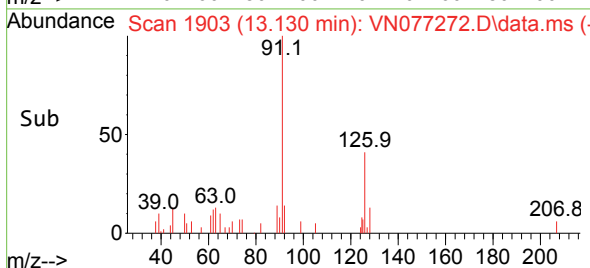
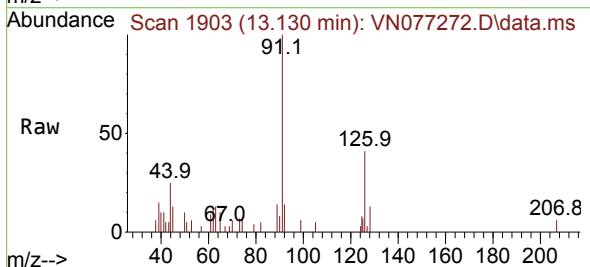
Instrument :
MSVOA_N
ClientSampleId :
IBLK

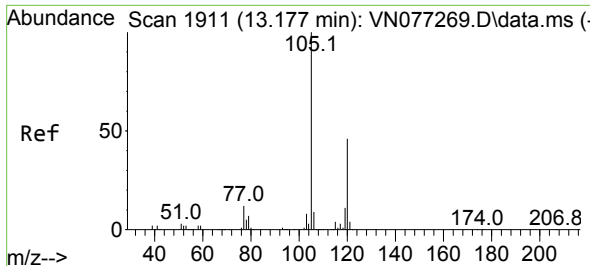
Tgt Ion: 91 Resp: 20180
Ion Ratio Lower Upper
91 100
120 23.7 0.0 45.6



#75
2-Chlorotoluene
Concen: 0.464 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 91 Resp: 10287
Ion Ratio Lower Upper
91 100
126 33.0 0.0 67.0

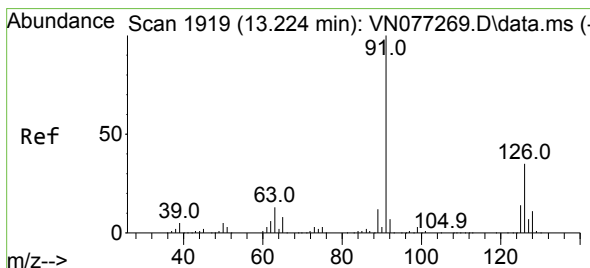
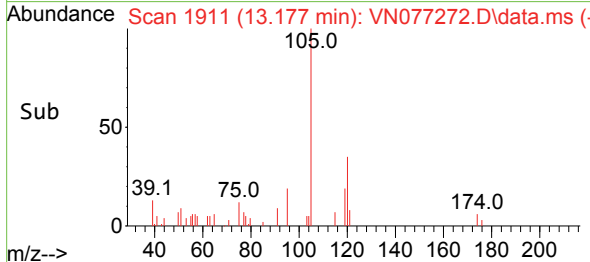
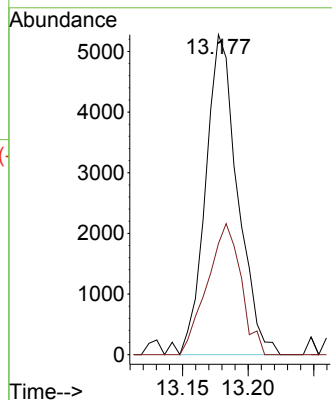
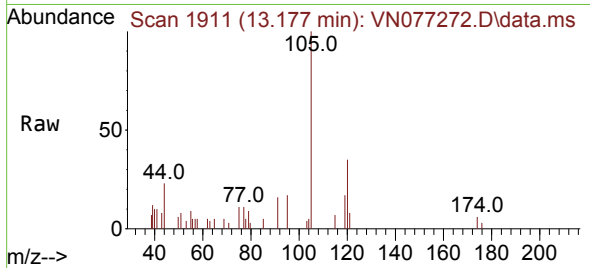




#76
1,3,5-Trimethylbenzene
Concen: 0.329 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

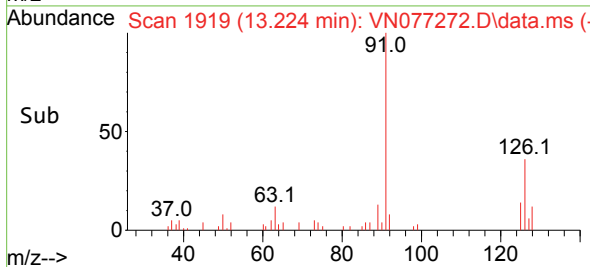
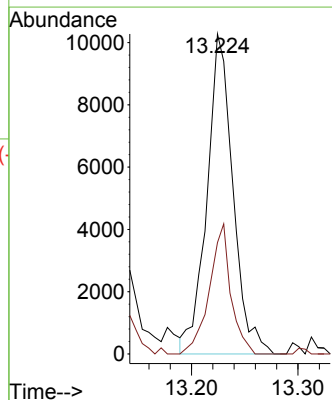
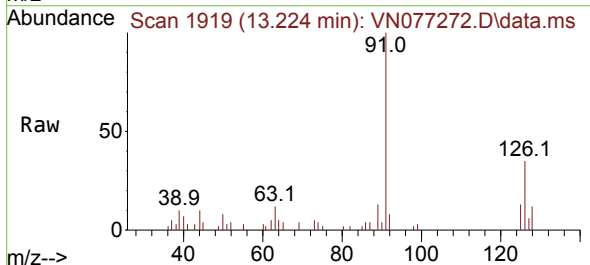
Instrument :
MSVOA_N
ClientSampleId :
IBLK

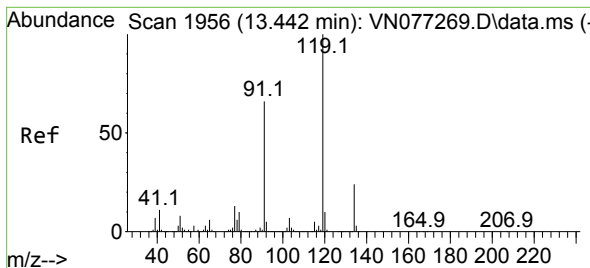
Tgt Ion:105 Resp: 8937
Ion Ratio Lower Upper
105 100
120 43.2 0.0 94.4



#78
4-Chlorotoluene
Concen: 0.835 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion: 91 Resp: 17468
Ion Ratio Lower Upper
91 100
126 33.5 0.0 67.4





#79

tert-butylbenzene

Concen: 0.334 ug/l

RT: 13.442 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

IBLK

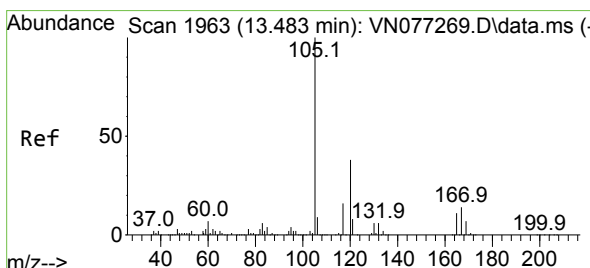
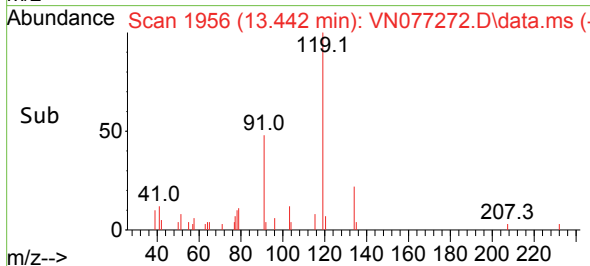
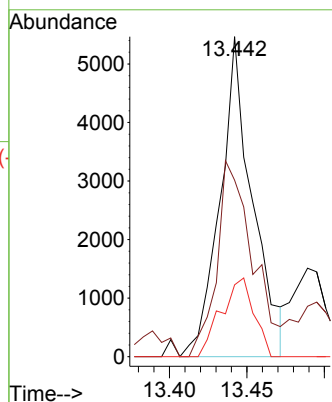
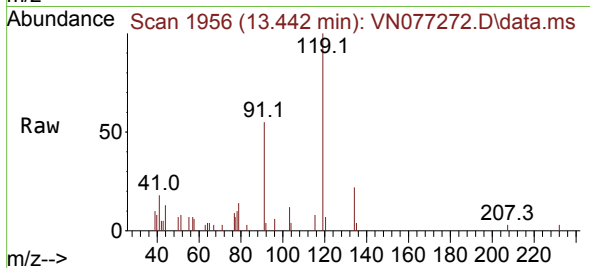
Tgt Ion:119 Resp: 7917

Ion Ratio Lower Upper

119 100

91 68.1 0.0 131.0

134 25.0 0.0 49.8



#80

1,2,4-Trimethylbenzene

Concen: 0.351 ug/l

RT: 13.489 min Scan# 1964

Delta R.T. 0.006 min

Lab File: VN077272.D

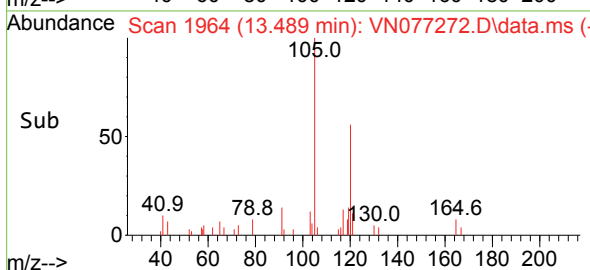
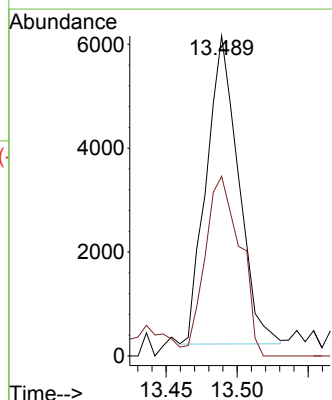
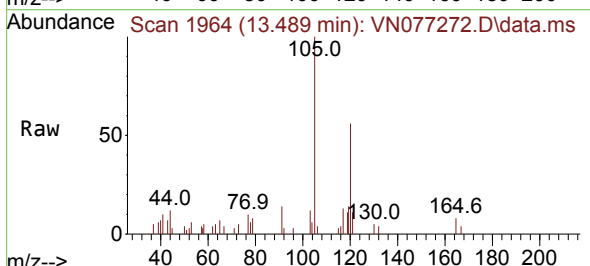
Acq: 07 Apr 2023 11:35

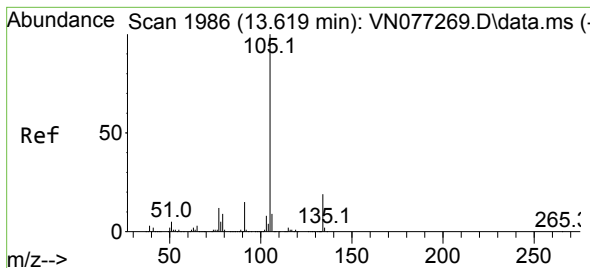
Tgt Ion:105 Resp: 9320

Ion Ratio Lower Upper

105 100

120 64.1 0.0 91.0





#81

sec-Butylbenzene

Concen: 0.402 ug/l

RT: 13.618 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

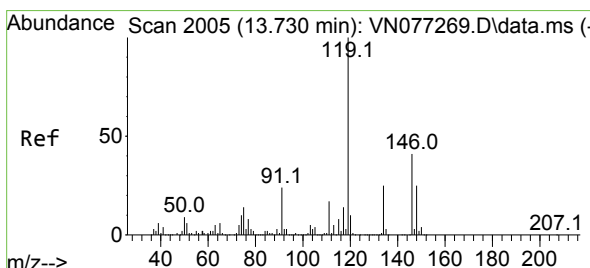
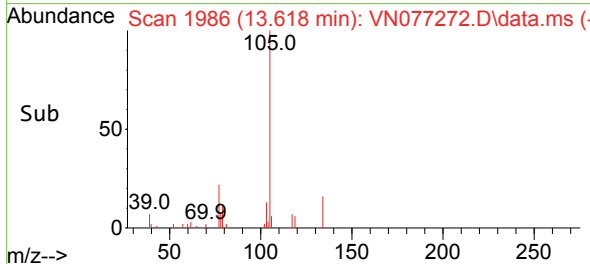
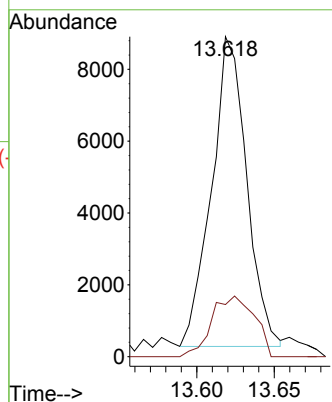
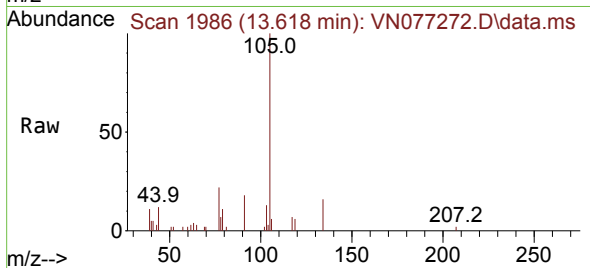
IBLK

Tgt Ion:105 Resp: 13594

Ion Ratio Lower Upper

105 100

134 23.8 0.0 38.6



#82

p-Isopropyltoluene

Concen: 0.553 ug/l

RT: 13.730 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

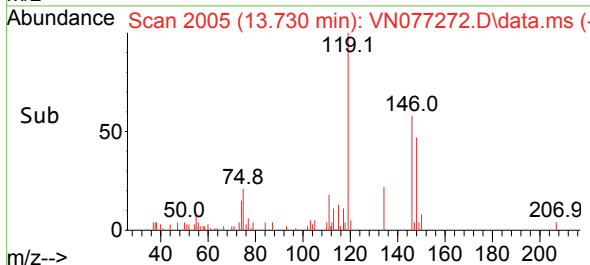
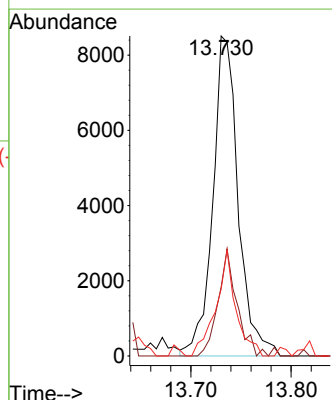
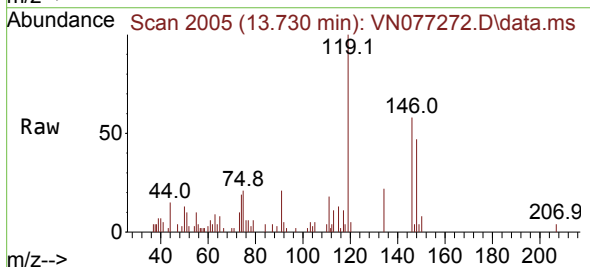
Tgt Ion:119 Resp: 14988

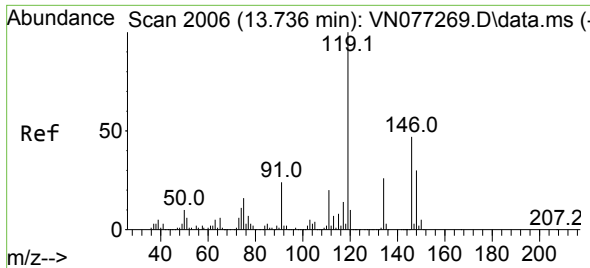
Ion Ratio Lower Upper

119 100

134 24.5 0.0 51.0

91 26.0 0.0 48.0

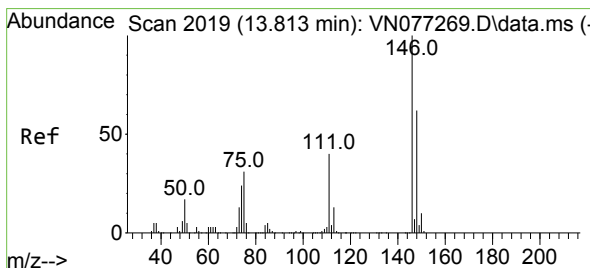
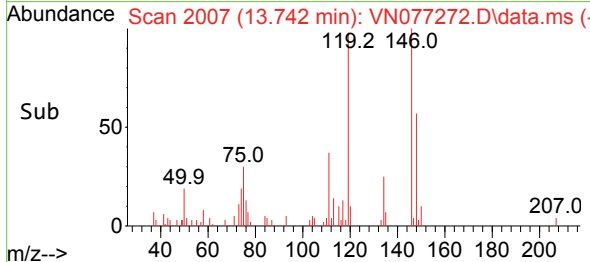
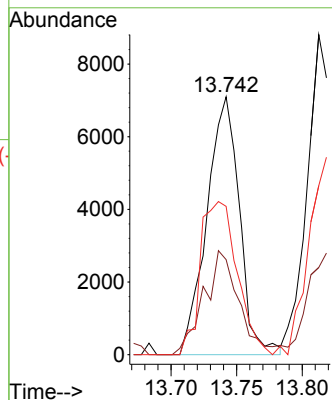
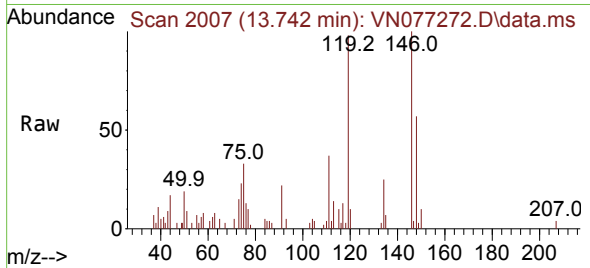




#83
 1,3-Dichlorobenzene
 Concen: 0.954 ug/l
 RT: 13.742 min Scan# 2006
 Delta R.T. 0.006 min
 Lab File: VN077272.D
 Acq: 07 Apr 2023 11:35

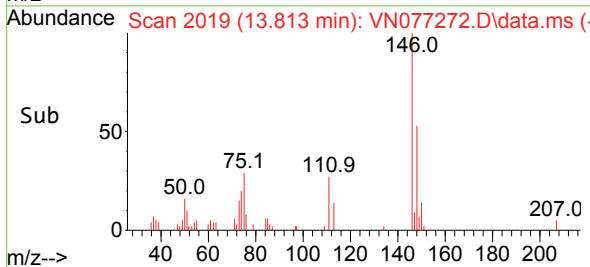
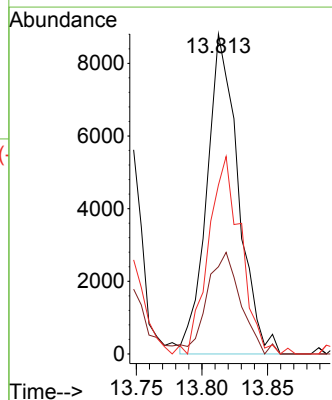
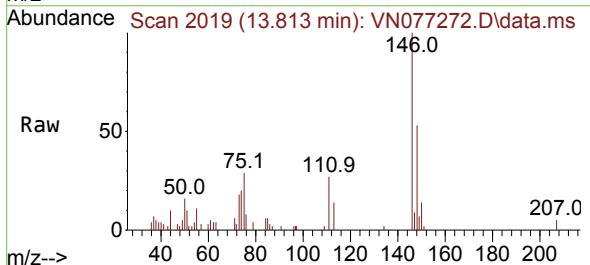
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

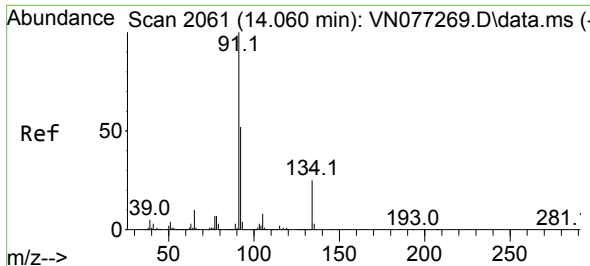
Tgt Ion:146 Resp: 12288
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.4 64.2
 148 67.1 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 1.176 ug/l
 RT: 13.813 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VN077272.D
 Acq: 07 Apr 2023 11:35

Tgt Ion:146 Resp: 14688
 Ion Ratio Lower Upper
 146 100
 111 32.8 20.3 61.0
 148 63.2 31.6 94.7

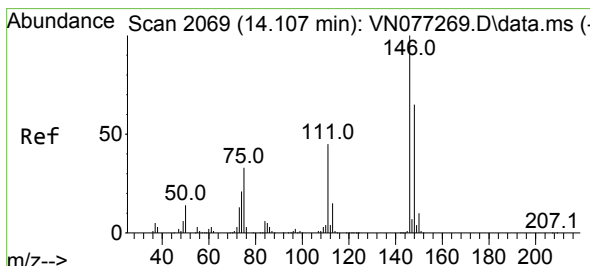
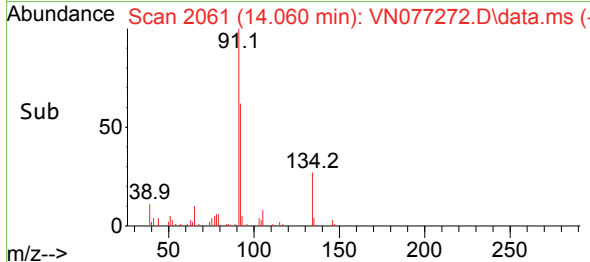
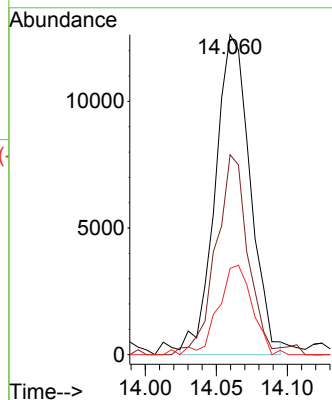
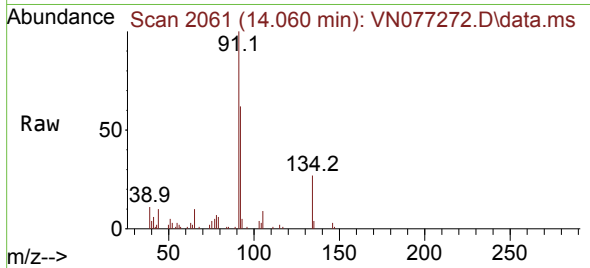




#85
n-Butylbenzene
Concen: 0.969 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

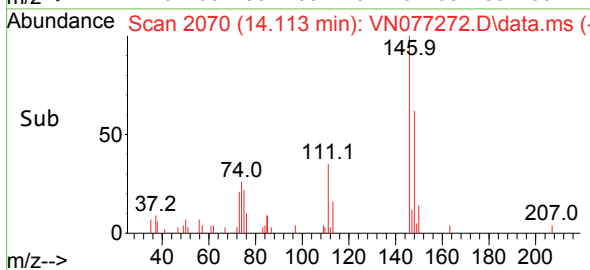
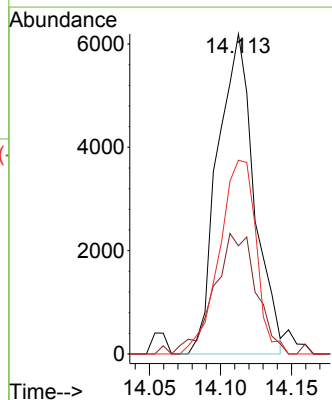
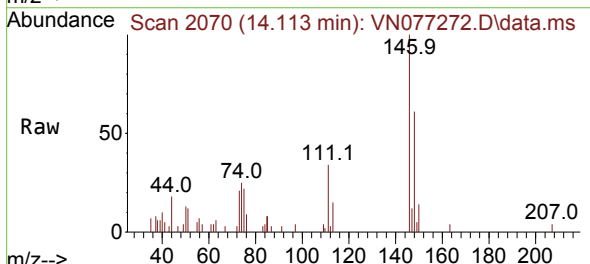
Instrument :
MSVOA_N
ClientSampleId :
IBLK

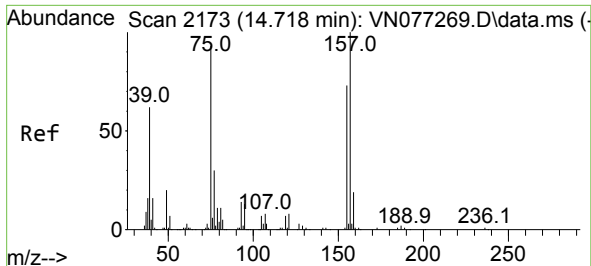
Tgt Ion:	91	Resp:	21687
Ion	Ratio	Lower	Upper
91	100		
92	56.7	0.0	105.6
134	26.0	0.0	49.4



#87
1,2-Dichlorobenzene
Concen: 0.879 ug/l
RT: 14.113 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VN077272.D
Acq: 07 Apr 2023 11:35

Tgt Ion:	146	Resp:	11085
Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.1	66.5
148	61.0	31.9	95.7

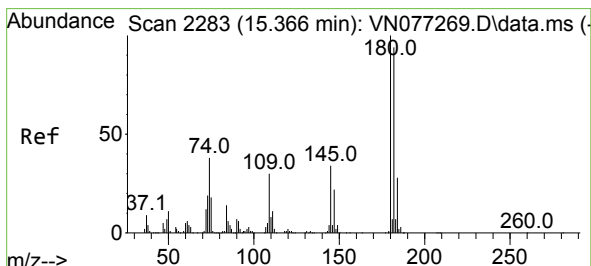
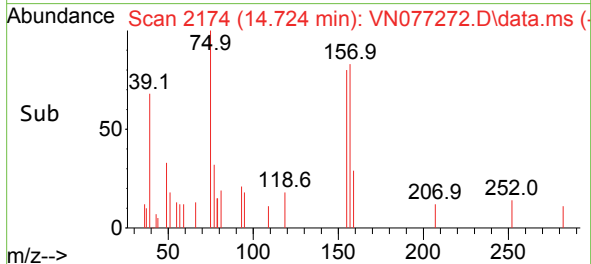
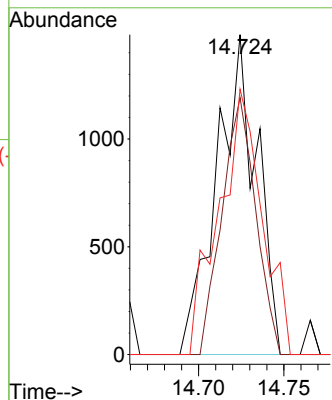
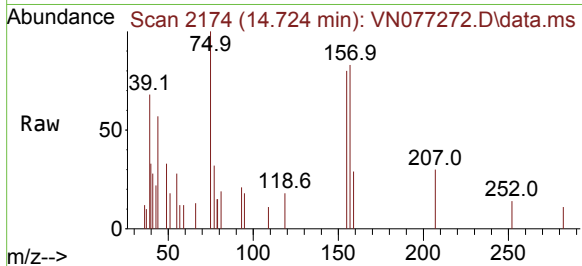




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 1.239 ug/l
 RT: 14.724 min Scan# 2174
 Delta R.T. 0.006 min
 Lab File: VN077272.D
 Acq: 07 Apr 2023 11:35

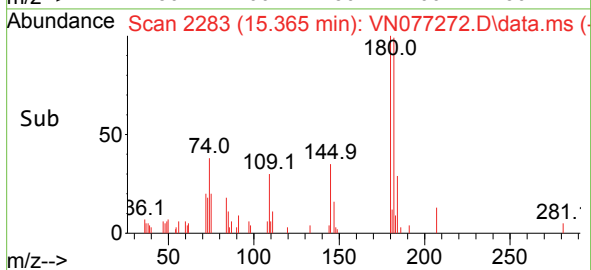
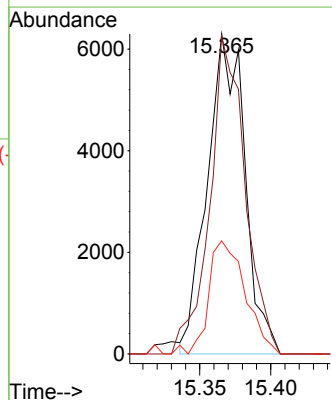
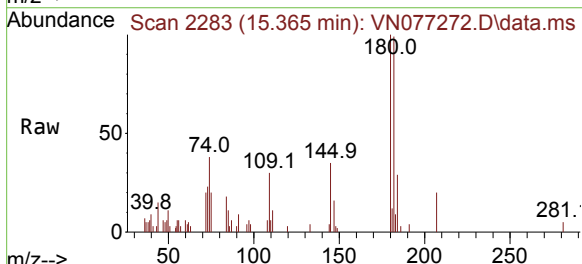
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

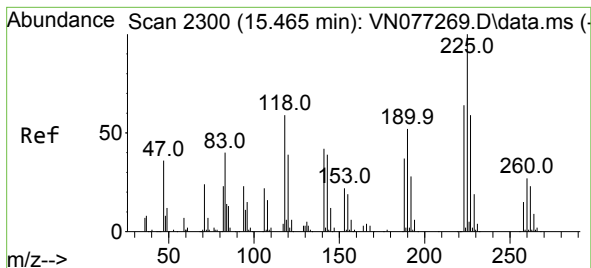
Tgt Ion: 75 Resp: 2430
 Ion Ratio Lower Upper
 75 100
 155 67.7 67.8 101.6#
 157 88.9 86.3 129.5



#89
 1,2,4-Trichlorobenzene
 Concen: 2.331 ug/l
 RT: 15.365 min Scan# 2283
 Delta R.T. -0.000 min
 Lab File: VN077272.D
 Acq: 07 Apr 2023 11:35

Tgt Ion: 180 Resp: 11566
 Ion Ratio Lower Upper
 180 100
 182 93.2 75.6 113.4
 145 33.9 26.7 40.1





#90

Hexachlorobutadiene

Concen: 0.794 ug/l

RT: 15.465 min Scan# 2300

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

IBLK

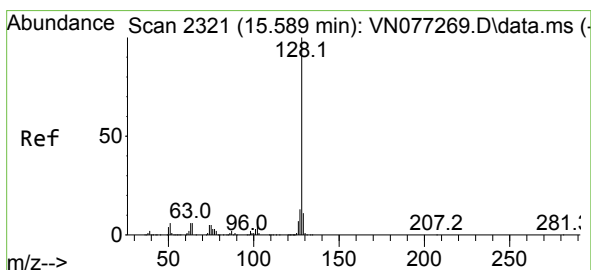
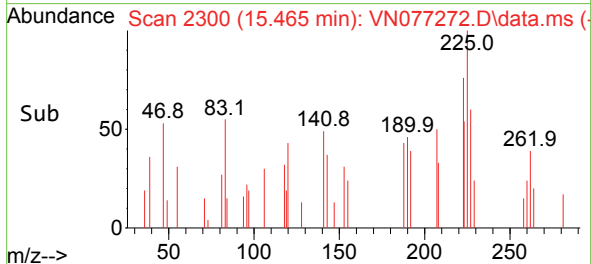
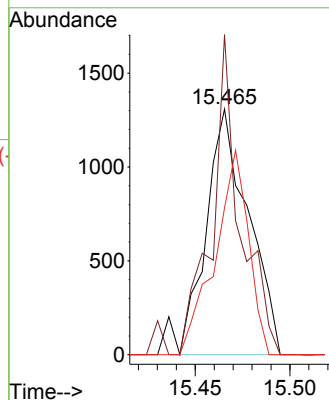
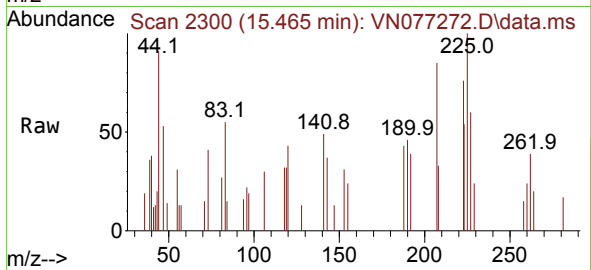
Tgt Ion:225 Resp: 2020

Ion Ratio Lower Upper

225 100

223 31.4 0.0 126.0

227 66.3 0.0 127.2



#91

Naphthalene

Concen: 3.304 ug/l

RT: 15.589 min Scan# 2321

Delta R.T. -0.000 min

Lab File: VN077272.D

Acq: 07 Apr 2023 11:35

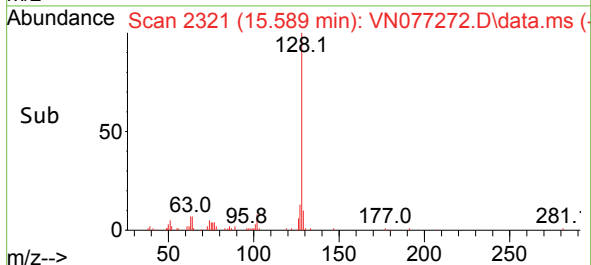
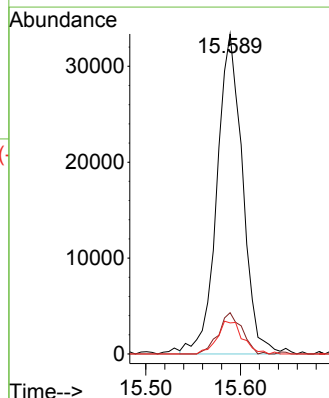
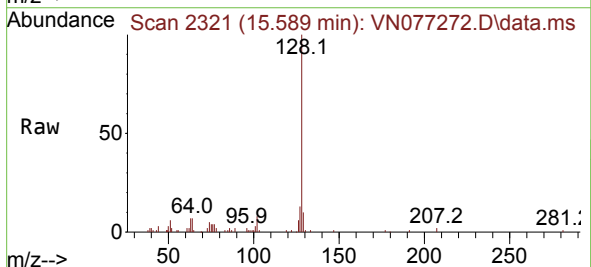
Tgt Ion:128 Resp: 62637

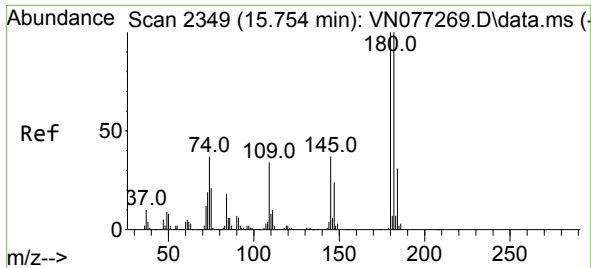
Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.2

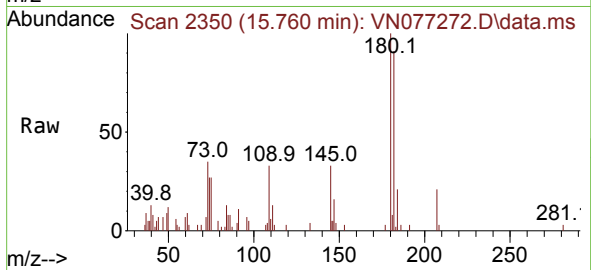
129 10.2 8.9 13.3





#92
 1,2,3-Trichlorobenzene
 Concen: 2.897 ug/l
 RT: 15.760 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN077272.D
 Acq: 07 Apr 2023 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	14025
Ion Ratio	Lower	Upper	
180	100		
182	94.1	0.0	190.4
145	21.3	0.0	72.4

