

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011823\
 Data File : VN076293.D
 Acq On : 18 Jan 2023 12:59
 Operator : JC\MD
 Sample : 01190-14DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WS-2DL

Quant Time: Jan 19 00:48:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	360645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	564536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	488116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	225650	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	185689	45.984	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.960%
35) Dibromofluoromethane	8.177	113	169804	48.084	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.160%
50) Toluene-d8	10.571	98	647767	49.668	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.340%
62) 4-Bromofluorobenzene	12.853	95	210787	49.509	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.020%

Target Compounds				Qvalue		
5) Bromomethane	2.995	94	853	0.222	ug/l #	80
13) Acrolein	4.195	56	249	0.385	ug/l #	52
16) Acetone	4.465	43	3014	2.256	ug/l #	66
25) 2-Butanone	7.500	43	2866	1.450	ug/l	88
31) Cyclohexane	8.235	56	10682	1.722	ug/l #	34
36) 1,1-Dichloropropene	8.230	75	25613	5.104	ug/l #	50
37) Ethyl Acetate	7.588	43	2217	0.587	ug/l #	67
38) Carbon Tetrachloride	8.230	117	34378	6.143	ug/l #	18
39) Methylcyclohexane	9.606	83	12443	2.031	ug/l	95
40) Benzene	8.618	78	25326	1.688	ug/l #	85
51) 4-Methyl-2-Pentanone	10.441	43	1202	0.313	ug/l #	32
52) Toluene	10.635	92	101912	10.156	ug/l	99
53) t-1,3-Dichloropropene	10.635	75	1078	0.215	ug/l #	1
55) 1,1,2-Trichloroethane	11.012	97	4719	1.230	ug/l #	23
59) 2-Hexanone	11.194	43	3762	1.351	ug/l	62
67) Ethyl Benzene	11.965	91	197014	11.156	ug/l	98
68) m/p-Xylenes	12.070	106	328541	46.397	ug/l	97
69) o-Xylene	12.400	106	176519	25.384	ug/l	99
70) Styrene	12.406	104	10906	0.982	ug/l #	1
71) Bromoform	12.853	173	1558	0.562	ug/l #	1
73) Isopropylbenzene	12.694	105	52290	2.995	ug/l	99
74) N-amyl acetate	12.488	43	5302	1.056	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.929	83	1202	0.240	ug/l #	86
76) 1,2,3-Trichloropropane	13.094	75	6474	0.639	ug/l #	1
77) Bromobenzene	12.982	156	787	Below Cal	#	15
78) n-propylbenzene	13.035	91	166776	8.467	ug/l	99
79) 2-Chlorotoluene	13.100	91	72134	5.968	ug/l #	40
80) 1,3,5-Trimethylbenzene	13.176	105	256217	17.520	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.853	75	110480	81.462	ug/l #	12
82) 4-Chlorotoluene	13.100	91	72134	5.968	ug/l #	40
83) tert-Butylbenzene	13.488	119	131885	10.140	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.482	105	1061828	72.410	ug/l	99
85) sec-Butylbenzene	13.617	105	56606	3.136	ug/l	87
86) p-Isopropyltoluene	13.735	119	38153	2.571	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	2673	0.325	ug/l #	79
88) 1,4-Dichlorobenzene	13.817	146	3556	0.555	ug/l #	15

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

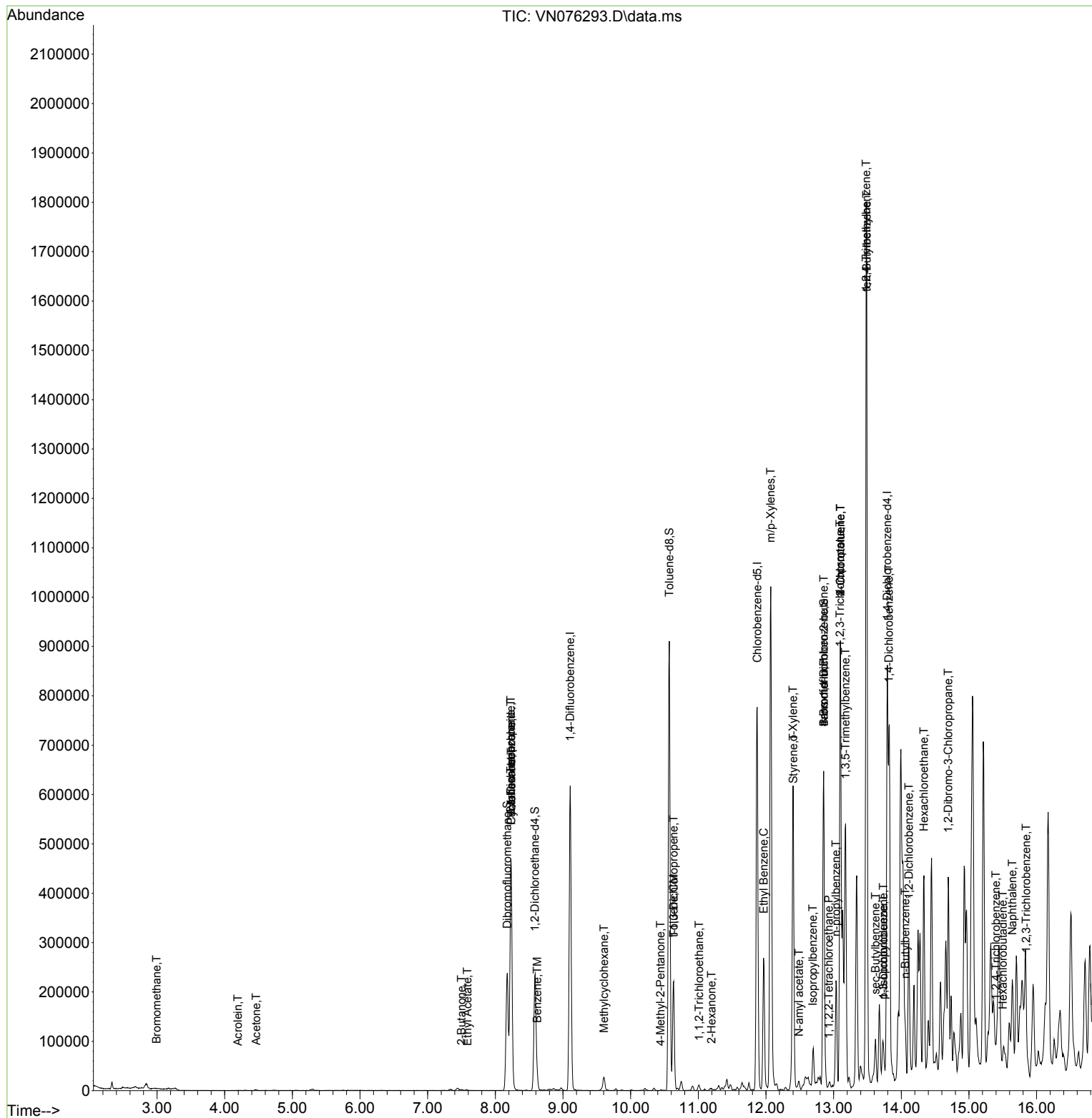
89) n-Butylbenzene	14.059	91	55807	4.737	ug/l #	76
90) Hexachloroethane	14.335	117	20799	8.120	ug/l #	12
91) 1,2-Dichlorobenzene	14.112	146	3055	0.373	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.694	75	1150	1.318	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.400	180	4116	2.317	ug/l #	75
94) Hexachlorobutadiene	15.500	225	539	0.248	ug/l	77
95) Naphthalene	15.641	128	172315	15.996	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	5835	2.664	ug/l #	1

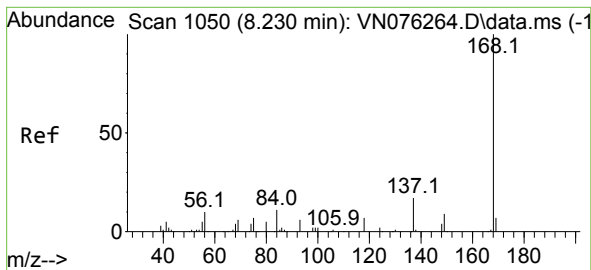
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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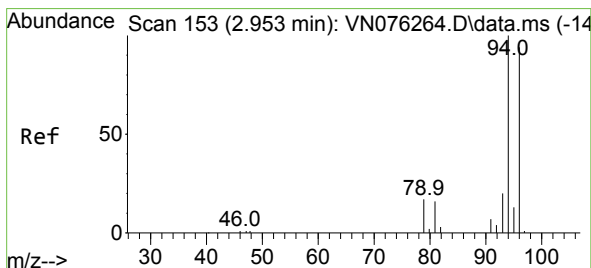
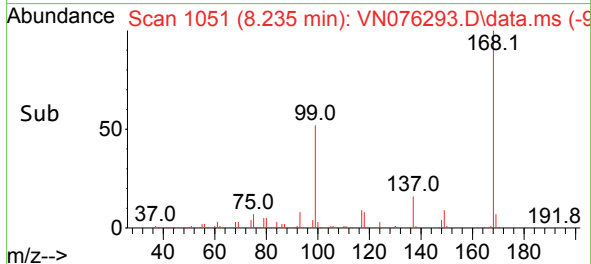
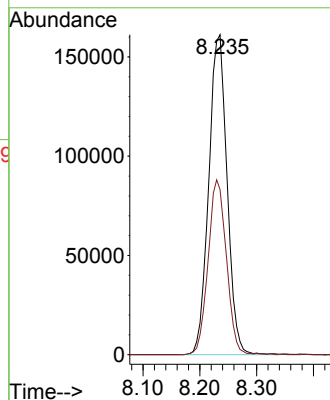
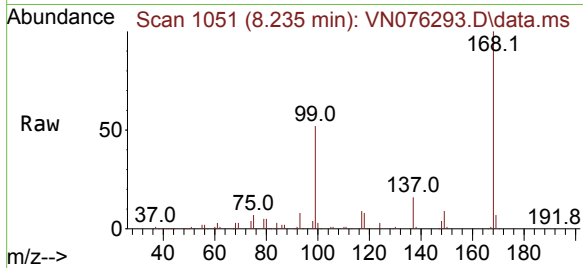




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

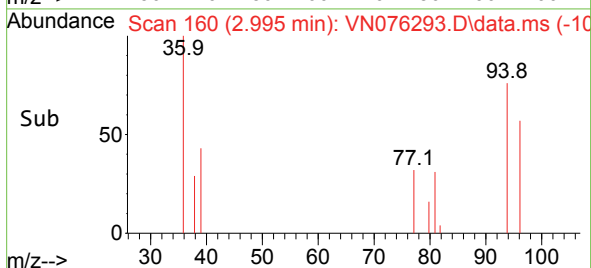
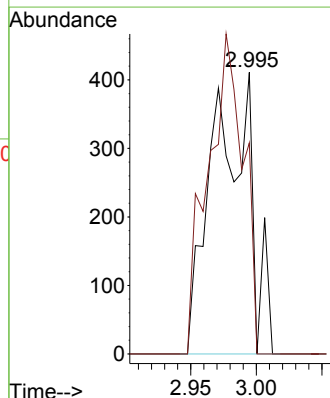
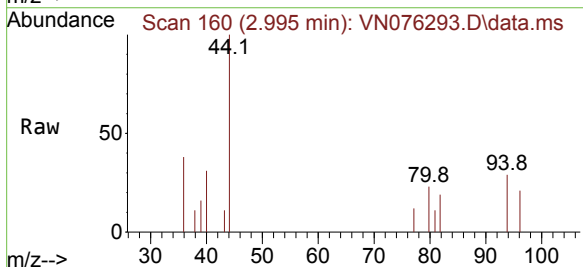
Instrument :
MSVOA_N
ClientSampleId :
WS-2DL

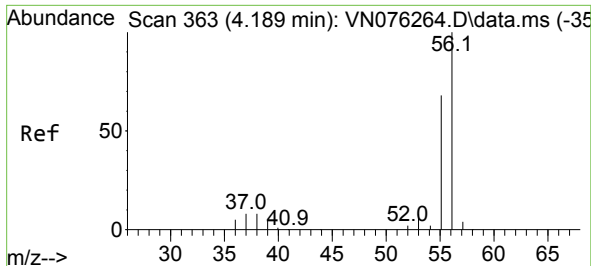
Tgt Ion:168 Resp: 360645
Ion Ratio Lower Upper
168 100
99 51.6 41.6 62.4



#5
Bromomethane
Concen: 0.222 ug/l
RT: 2.995 min Scan# 160
Delta R.T. 0.042 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

Tgt Ion: 94 Resp: 853
Ion Ratio Lower Upper
94 100
96 74.9 75.1 112.7#





#13

Acrolein

Concen: 0.385 ug/l

RT: 4.195 min Scan# 30

Delta R.T. 0.006 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

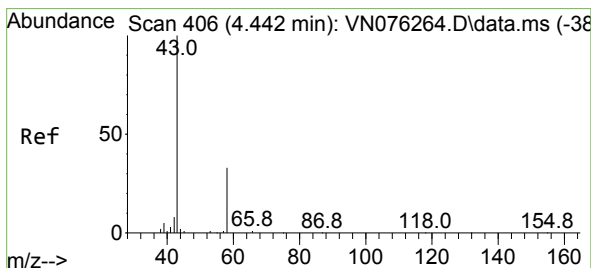
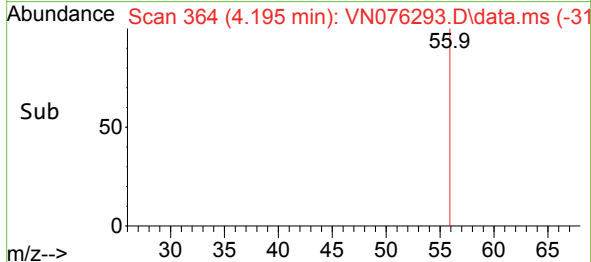
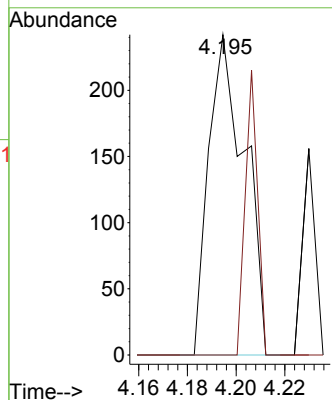
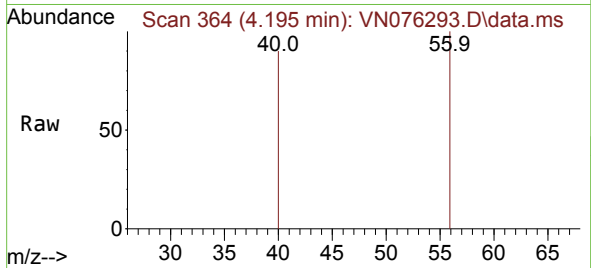
WS-2DL

Tgt Ion: 56 Resp: 249

Ion Ratio Lower Upper

56 100

55 30.5 55.8 83.6#



#16

Acetone

Concen: 2.256 ug/l

RT: 4.465 min Scan# 410

Delta R.T. 0.023 min

Lab File: VN076293.D

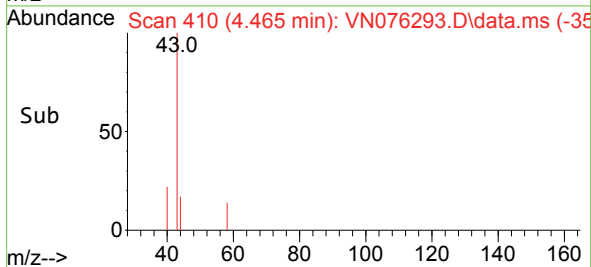
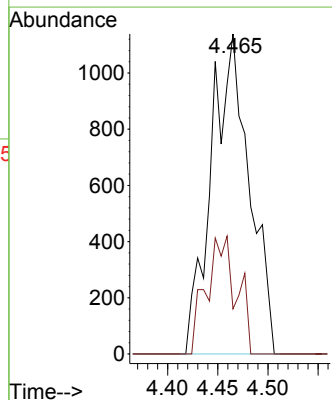
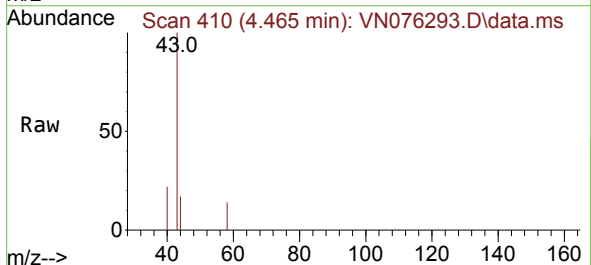
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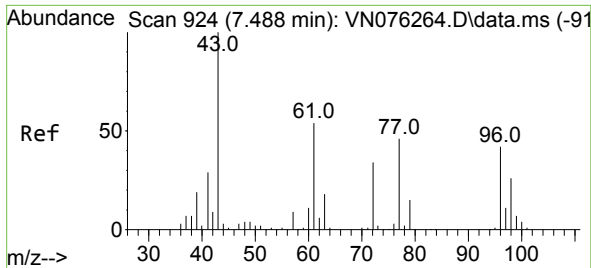
Tgt Ion: 43 Resp: 3014

Ion Ratio Lower Upper

43 100

58 14.1 26.7 40.1#

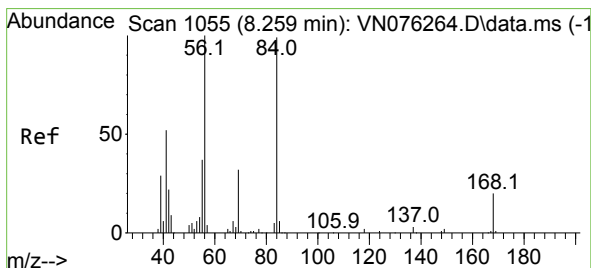
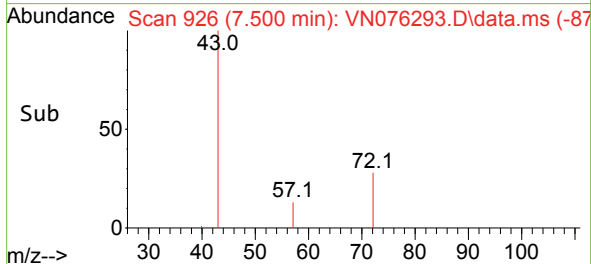
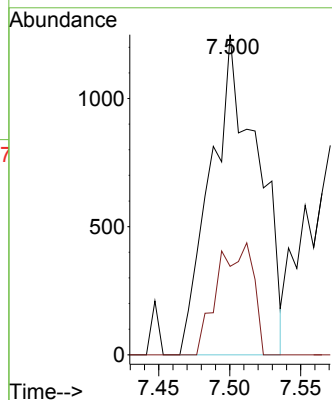
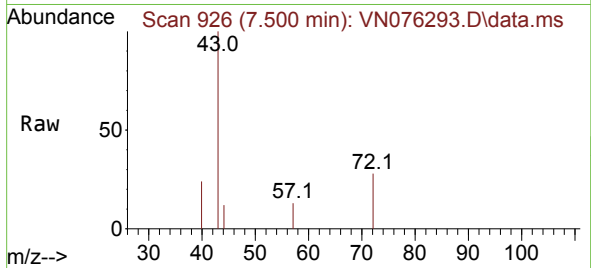




#25
2-Butanone
Concen: 1.450 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

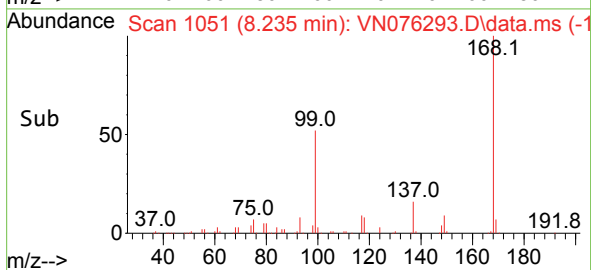
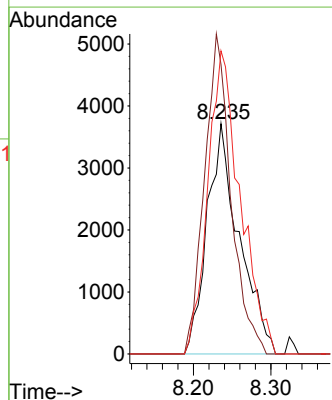
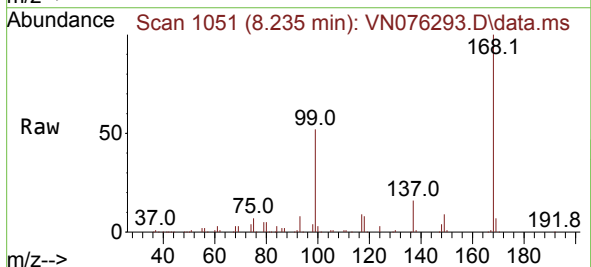
Instrument :
MSVOA_N
ClientSampleId :
WS-2DL

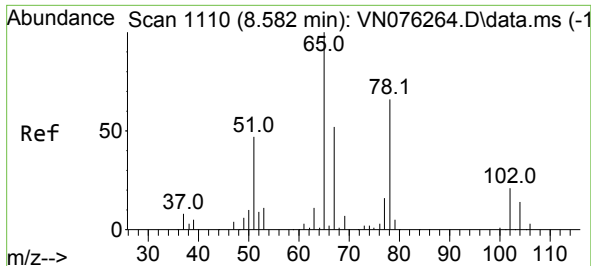
Tgt Ion: 43 Resp: 2866
Ion Ratio Lower Upper
43 100
72 27.6 27.4 41.2



#31
Cyclohexane
Concen: 1.722 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

Tgt Ion: 56 Resp: 10682
Ion Ratio Lower Upper
56 100
69 125.7 25.8 38.8#
84 131.7 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 45.984 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

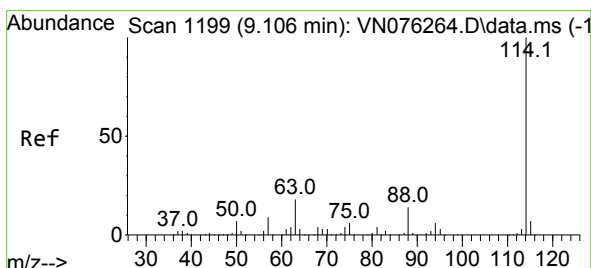
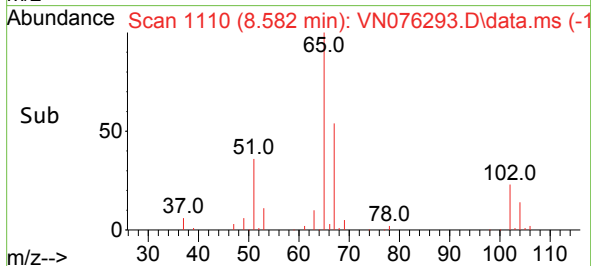
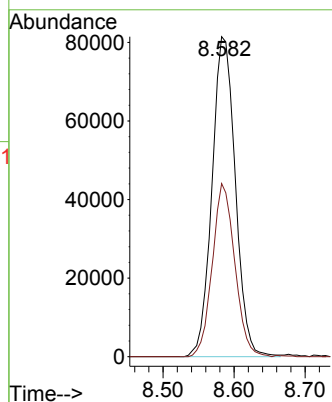
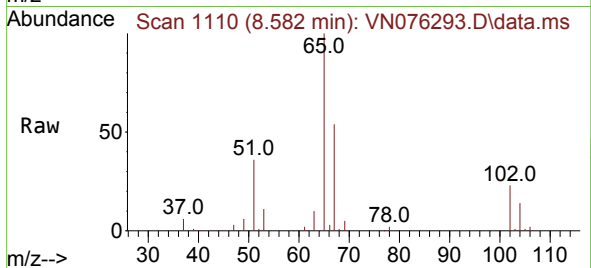
WS-2DL

Tgt Ion: 65 Resp: 185689

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

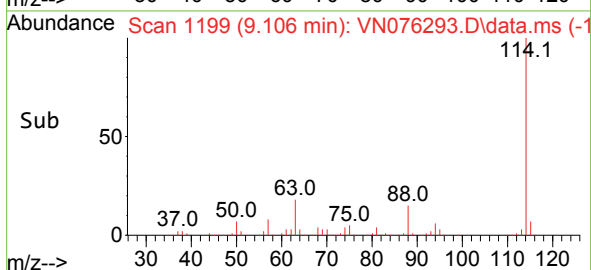
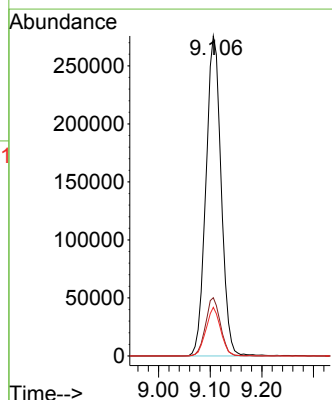
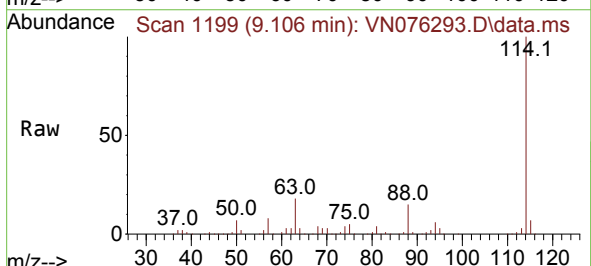
Tgt Ion:114 Resp: 564536

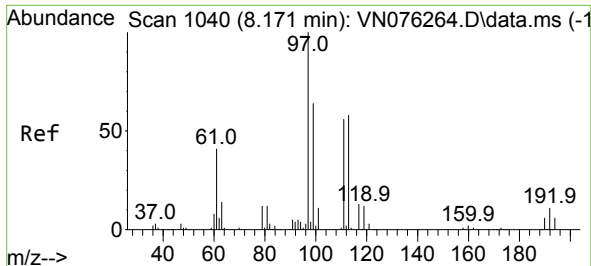
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.8

88 15.2 0.0 28.0





#35

Dibromofluoromethane

Concen: 48.084 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

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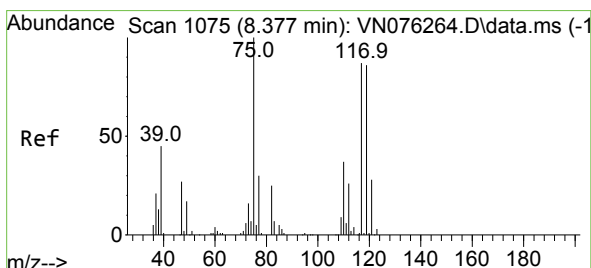
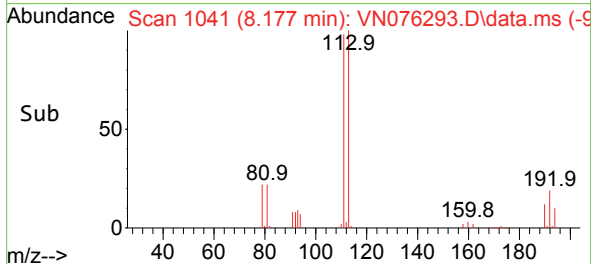
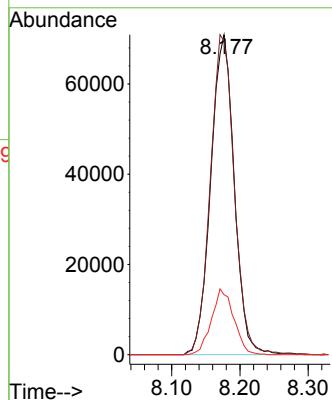
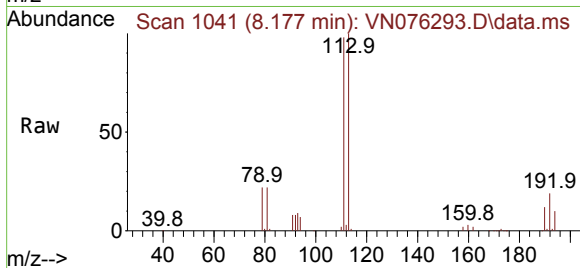
Tgt Ion:113 Resp: 169804

Ion Ratio Lower Upper

113 100

111 101.7 82.7 124.1

192 19.7 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.104 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

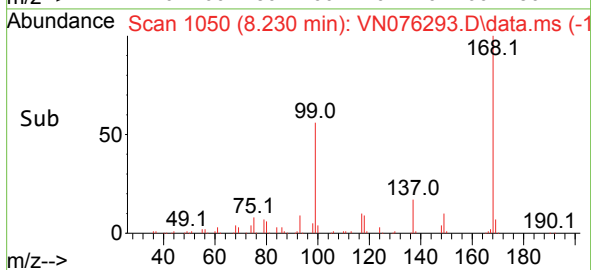
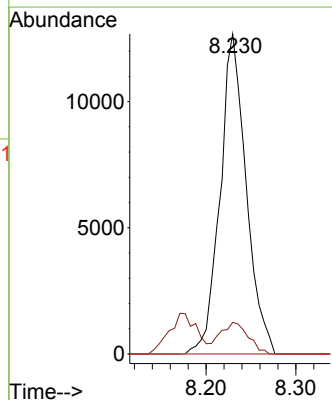
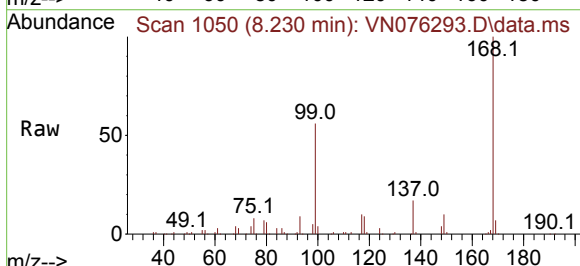
Tgt Ion: 75 Resp: 25613

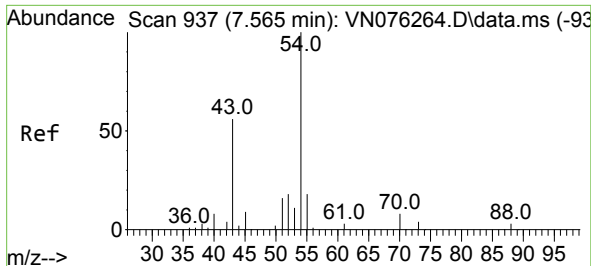
Ion Ratio Lower Upper

75 100

110 10.9 18.8 56.3#

77 0.0 25.0 37.4#

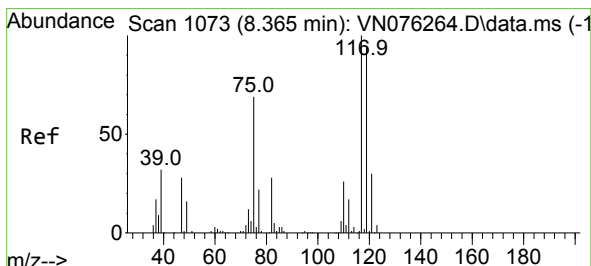
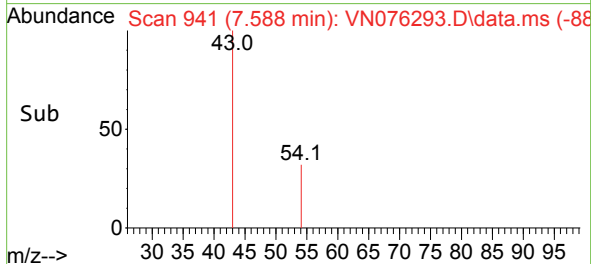
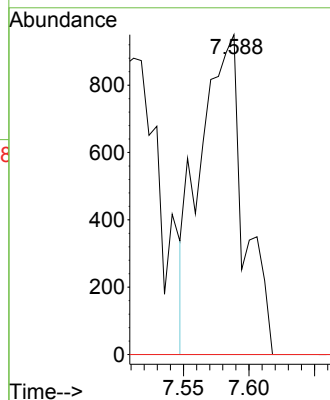
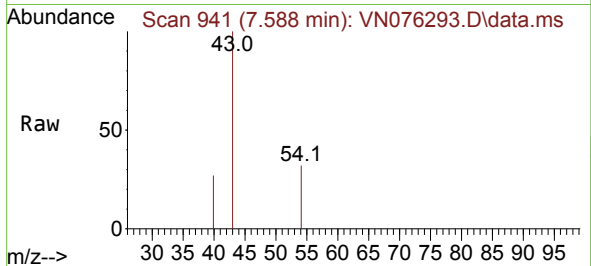




#37
Ethyl Acetate
Concen: 0.587 ug/l
RT: 7.588 min Scan# 941
Delta R.T. 0.023 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

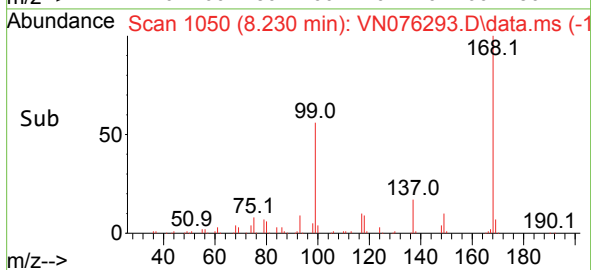
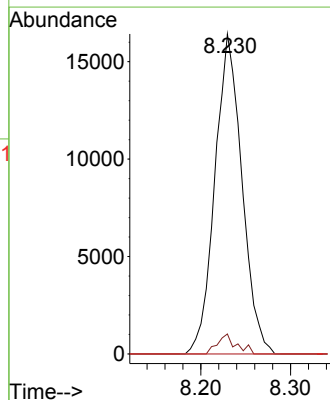
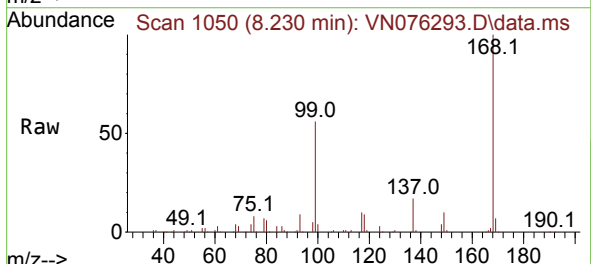
Instrument :
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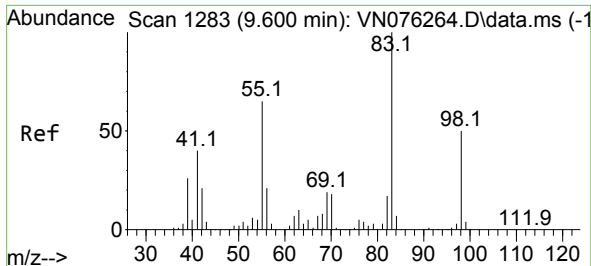
Tgt Ion: 43 Resp: 2217
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 6.143 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

Tgt Ion: 117 Resp: 34378
Ion Ratio Lower Upper
117 100
119 6.2 75.4 113.0#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 2.031 ug/l

RT: 9.606 min Scan# 1116

Delta R.T. 0.006 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

WS-2DL

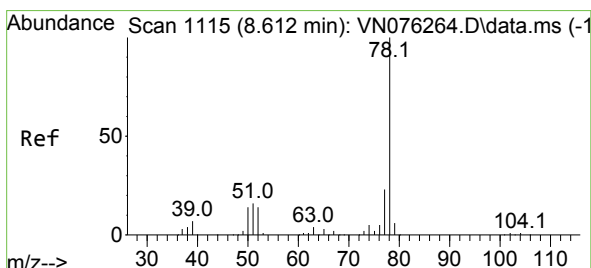
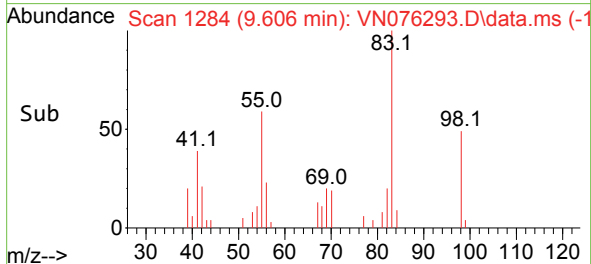
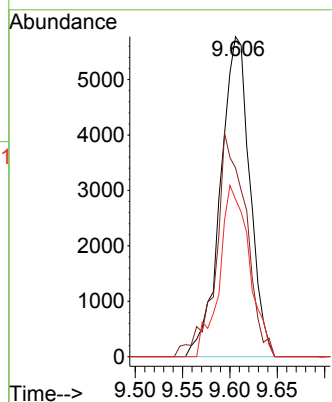
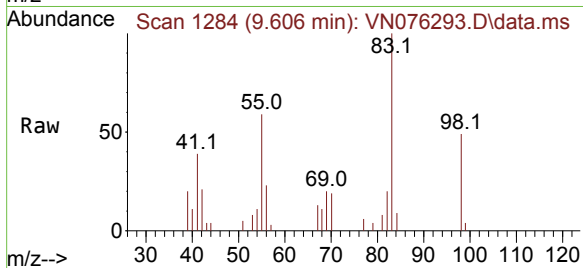
Tgt Ion: 83 Resp: 12443

Ion Ratio Lower Upper

83 100

55 59.0 51.7 77.5

98 49.2 40.0 60.0



#40

Benzene

Concen: 1.688 ug/l

RT: 8.618 min Scan# 1116

Delta R.T. 0.006 min

Lab File: VN076293.D

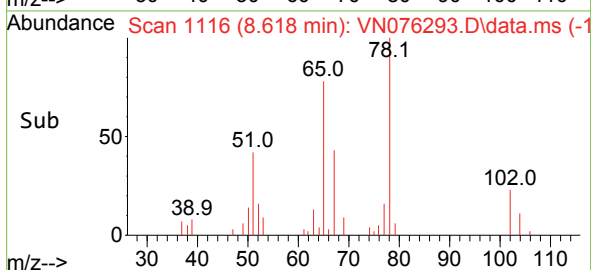
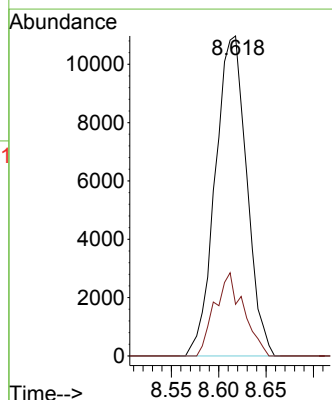
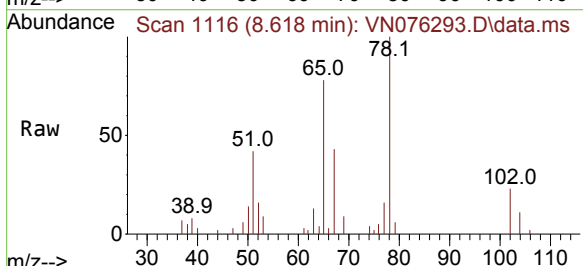
Acq: 18 Jan 2023 12:59

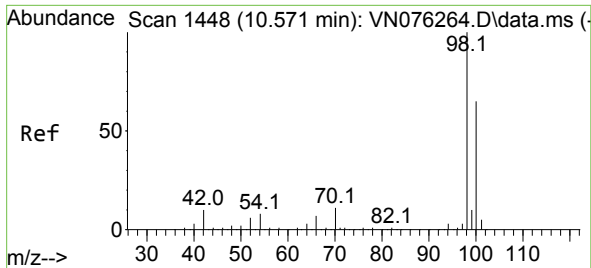
Tgt Ion: 78 Resp: 25326

Ion Ratio Lower Upper

78 100

77 16.2 18.6 28.0#

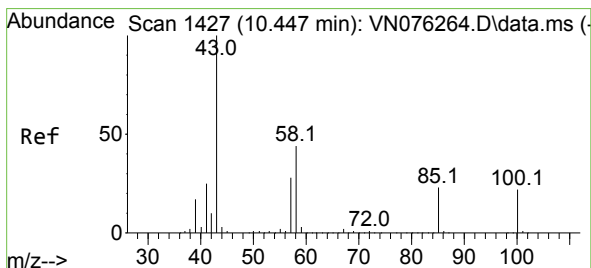
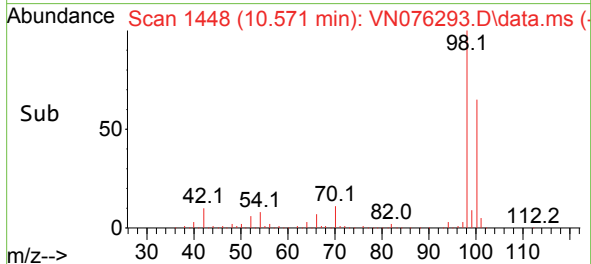
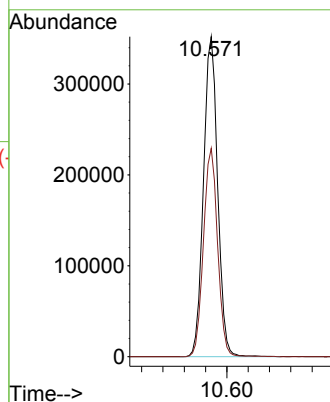
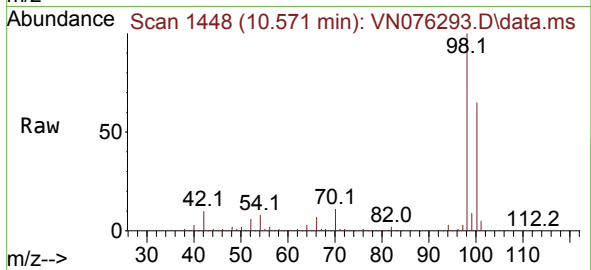




#50
Toluene-d8
Concen: 49.668 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

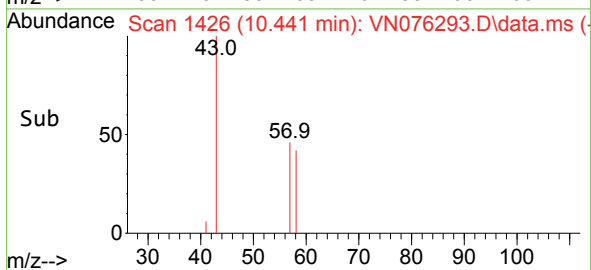
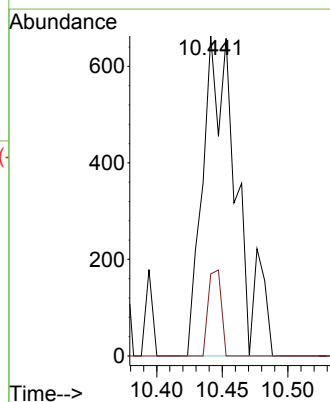
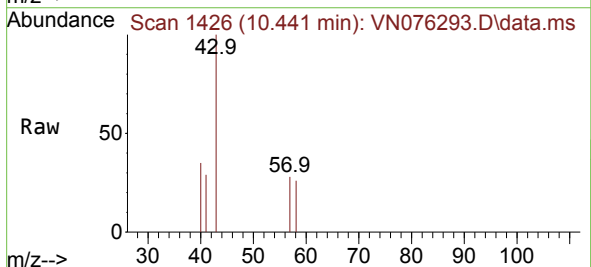
Instrument :
MSVOA_N
ClientSampleId :
WS-2DL

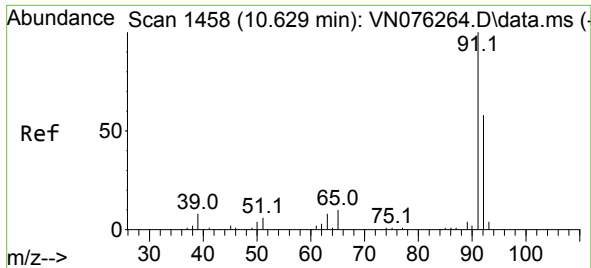
Tgt Ion: 98 Resp: 647767
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.313 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

Tgt Ion: 43 Resp: 1202
Ion Ratio Lower Upper
43 100
58 0.0 35.1 52.7#

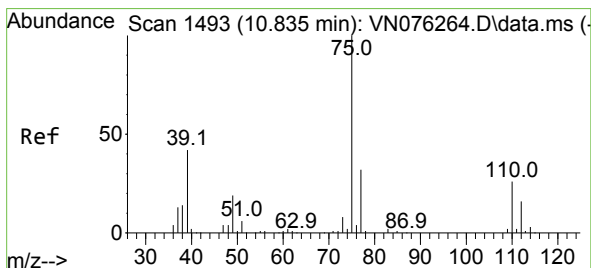
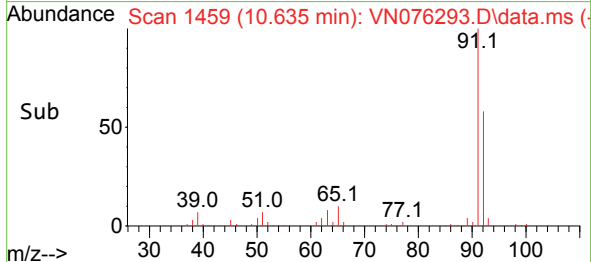
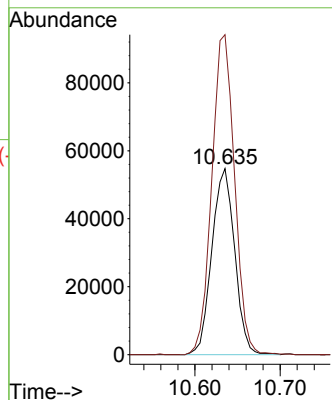
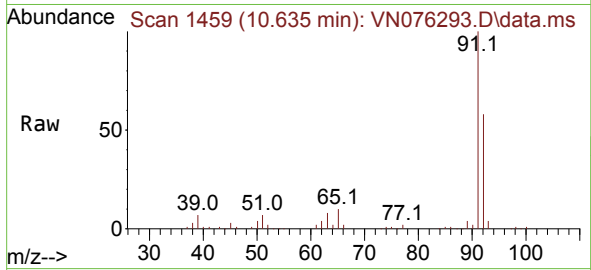




#52
Toluene
Concen: 10.156 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

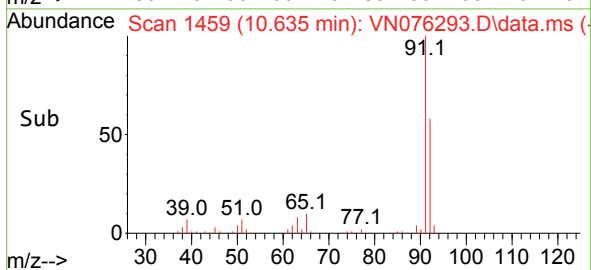
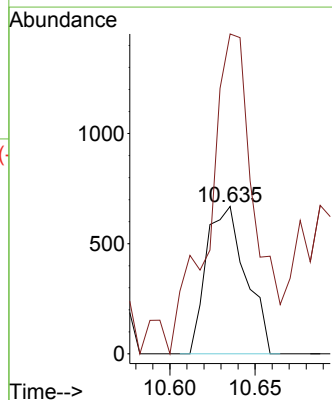
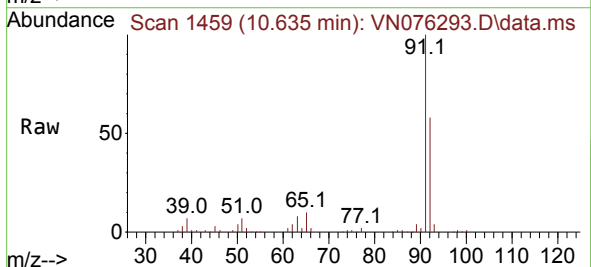
Instrument :
MSVOA_N
ClientSampleId :
WS-2DL

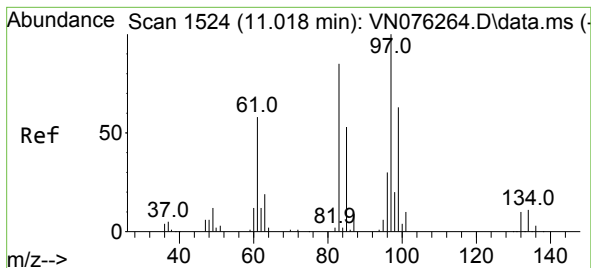
Tgt Ion: 92 Resp: 101912
Ion Ratio Lower Upper
92 100
91 171.8 136.6 205.0



#53
t-1,3-Dichloropropene
Concen: 0.215 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.200 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

Tgt Ion: 75 Resp: 1078
Ion Ratio Lower Upper
75 100
77 183.6 25.8 38.6#





#55

1,1,2-Trichloroethane

Concen: 1.230 ug/l

RT: 11.012 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

WS-2DL

Tgt Ion: 97 Resp: 4719

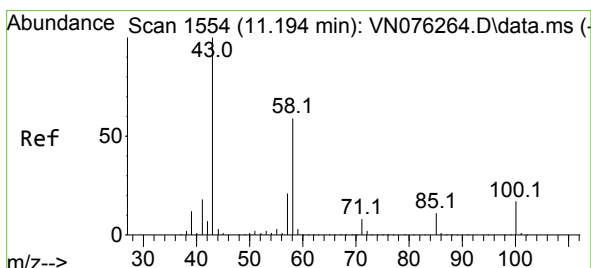
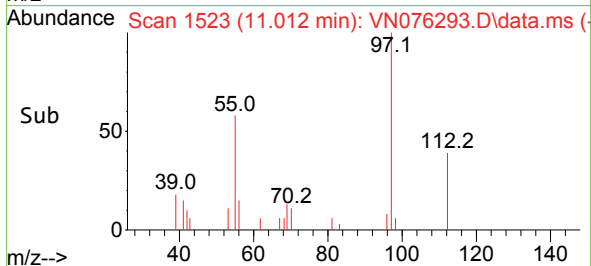
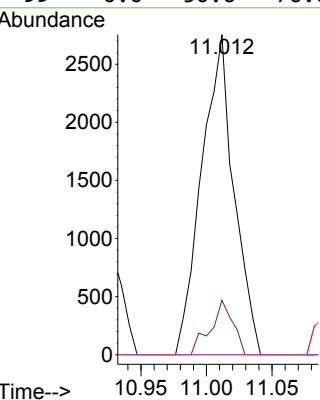
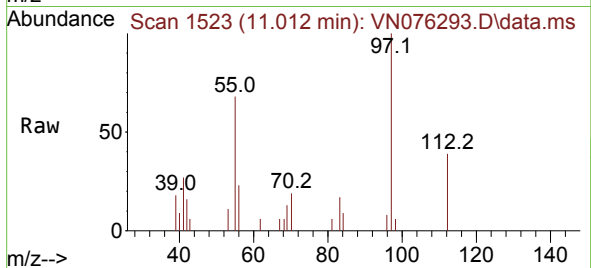
Ion Ratio Lower Upper

97 100

83 17.0 67.8 101.6#

85 0.0 42.3 63.5#

99 0.0 50.6 76.0#



#59

2-Hexanone

Concen: 1.351 ug/l

RT: 11.194 min Scan# 1554

Delta R.T. 0.000 min

Lab File: VN076293.D

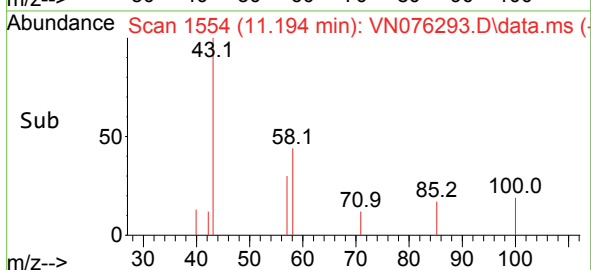
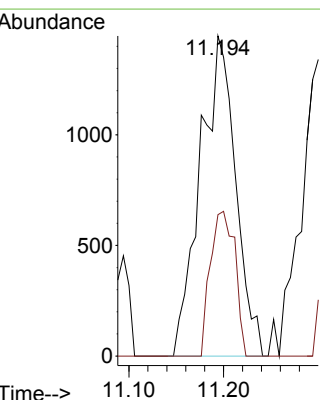
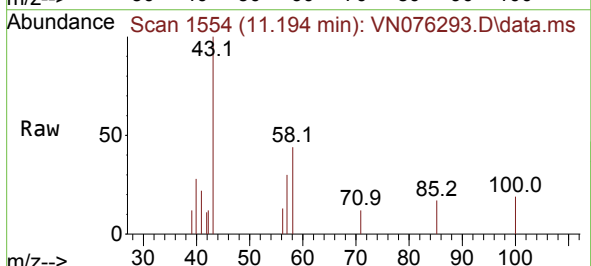
Acq: 18 Jan 2023 12:59

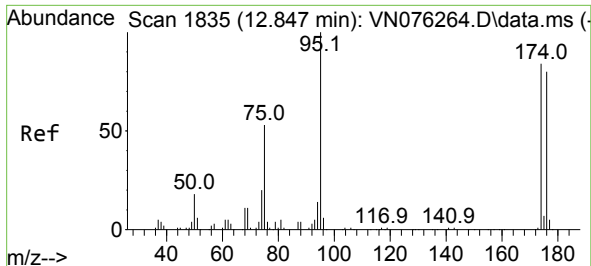
Tgt Ion: 43 Resp: 3762

Ion Ratio Lower Upper

43 100

58 31.4 30.1 90.3

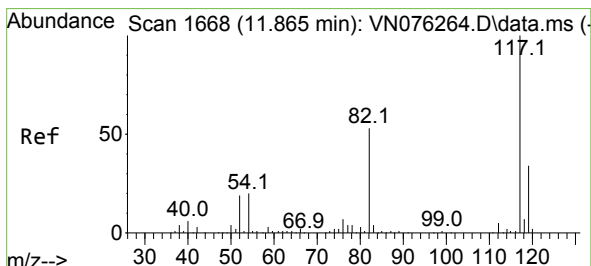
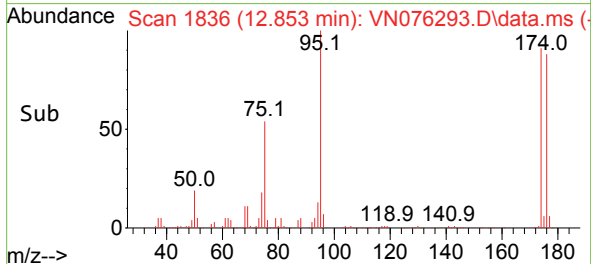
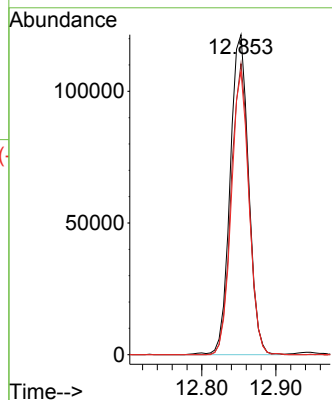
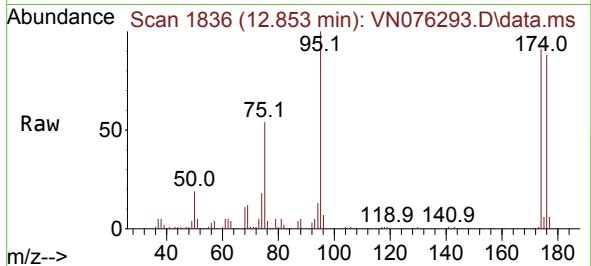




#62
4-Bromofluorobenzene
Concen: 49.509 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

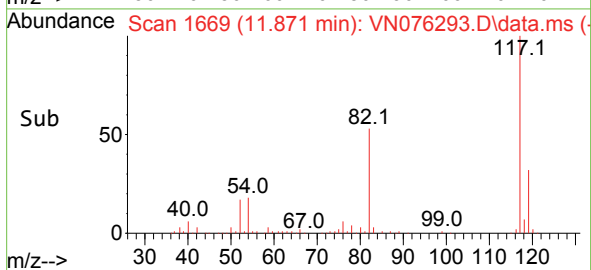
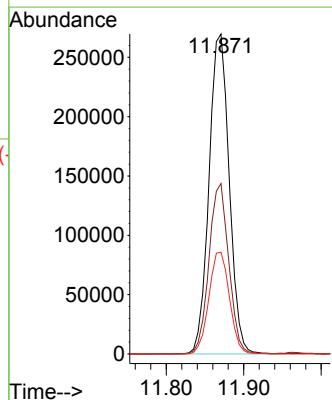
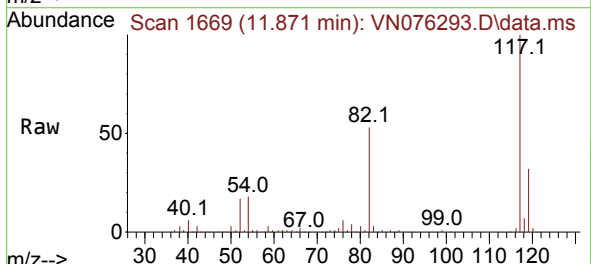
Instrument :
MSVOA_N
ClientSampleId :
WS-2DL

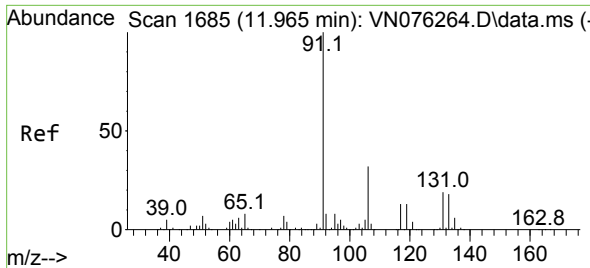
Tgt Ion: 95 Resp: 210787
Ion Ratio Lower Upper
95 100
174 87.5 0.0 174.6
176 84.4 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

Tgt Ion: 117 Resp: 488116
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.2
119 31.8 26.9 40.3

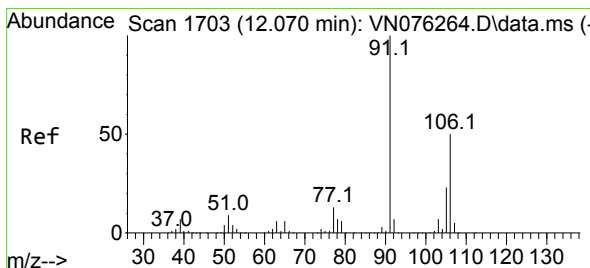
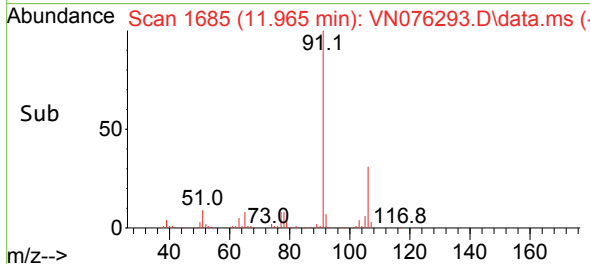
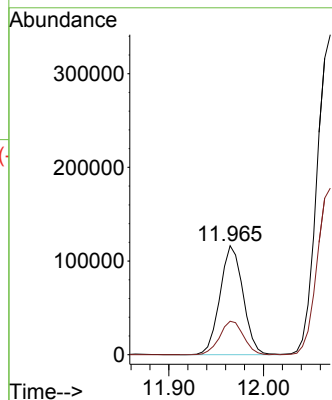
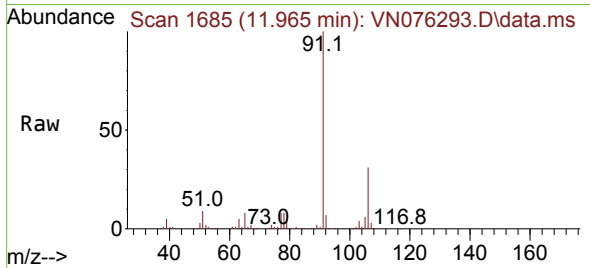




#67
Ethyl Benzene
Concen: 11.156 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

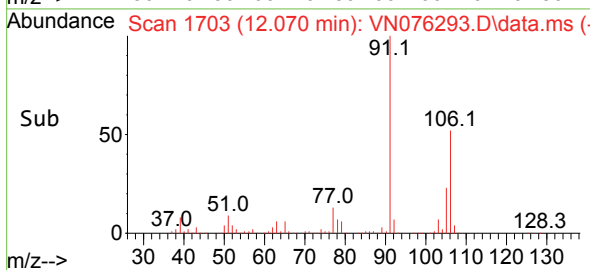
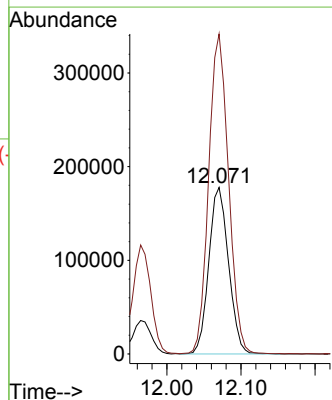
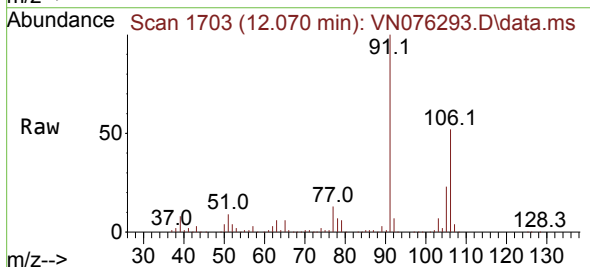
Instrument :
MSVOA_N
ClientSampleId :
WS-2DL

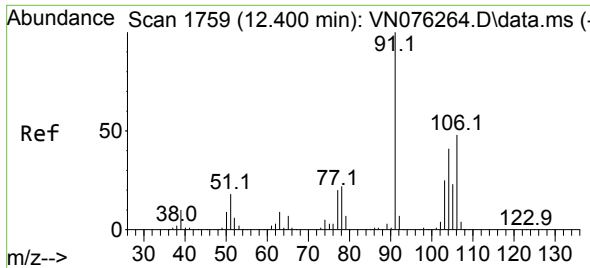
Tgt Ion: 91 Resp: 197014
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3



#68
m/p-Xylenes
Concen: 46.397 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

Tgt Ion:106 Resp: 328541
Ion Ratio Lower Upper
106 100
91 193.1 157.5 236.3

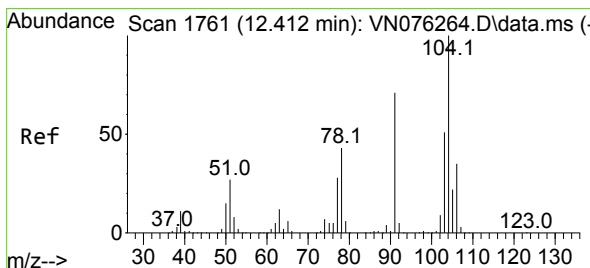
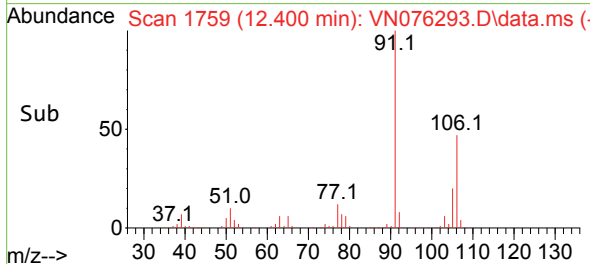
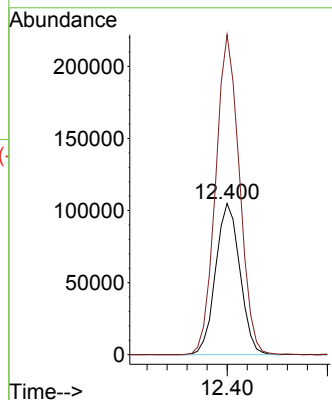
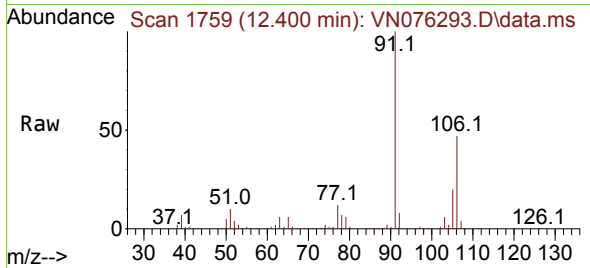




#69
o-Xylene
Concen: 25.384 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

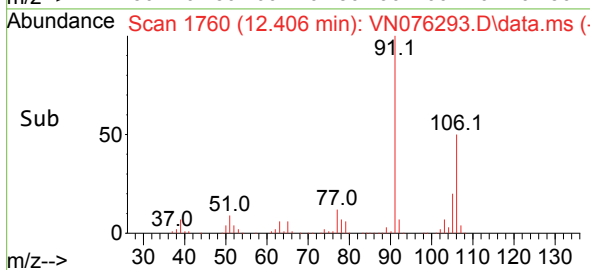
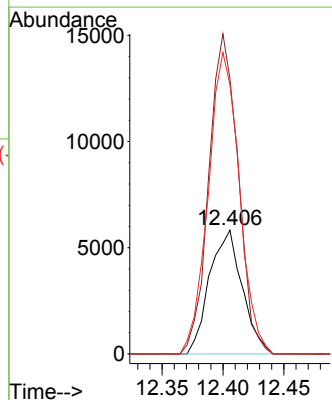
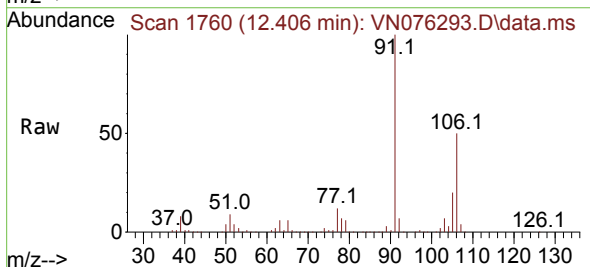
Instrument :
MSVOA_N
ClientSampleId :
WS-2DL

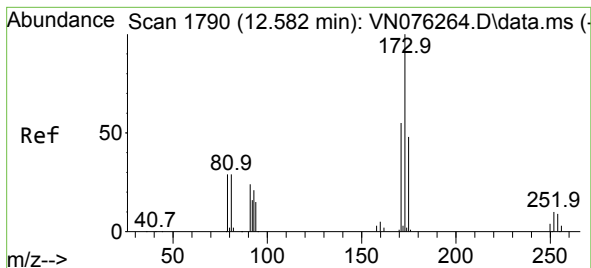
Tgt Ion:106 Resp: 176519
Ion Ratio Lower Upper
106 100
91 207.5 103.2 309.4



#70
Styrene
Concen: 0.982 ug/l
RT: 12.406 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

Tgt Ion:104 Resp: 10906
Ion Ratio Lower Upper
104 100
78 231.2 37.4 56.0#
103 231.7 44.2 66.2#





#71

Bromoform

Concen: 0.562 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

WS-2DL

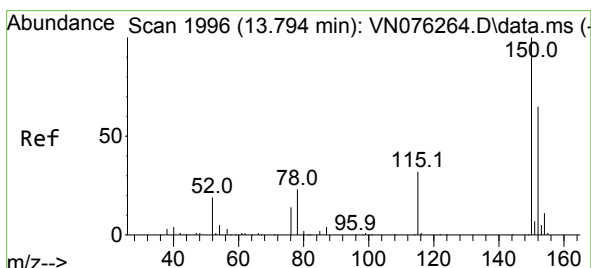
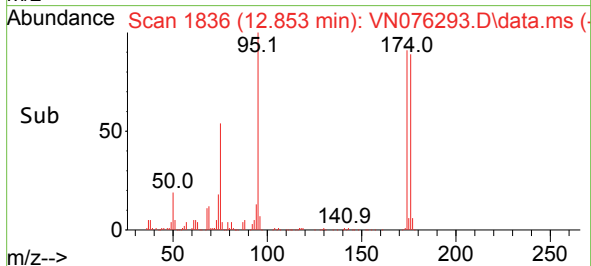
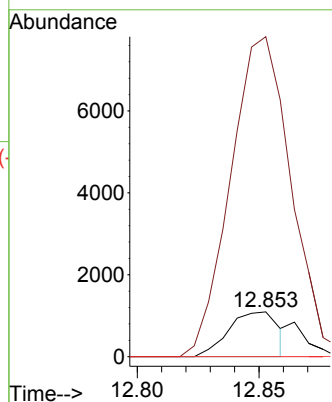
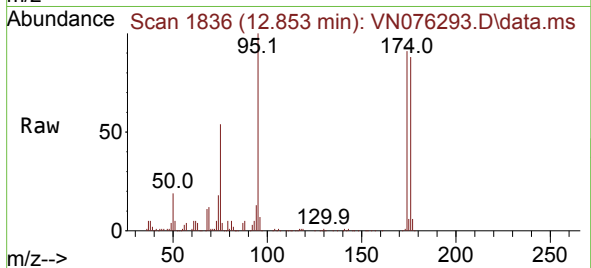
Tgt Ion:173 Resp: 1558

Ion Ratio Lower Upper

173 100

175 722.1 24.1 72.4#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

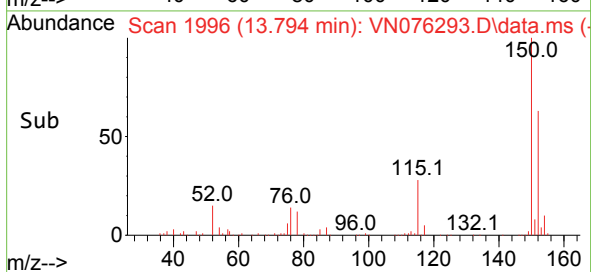
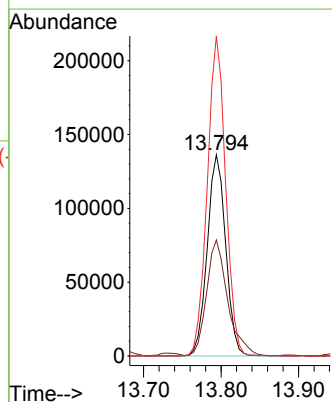
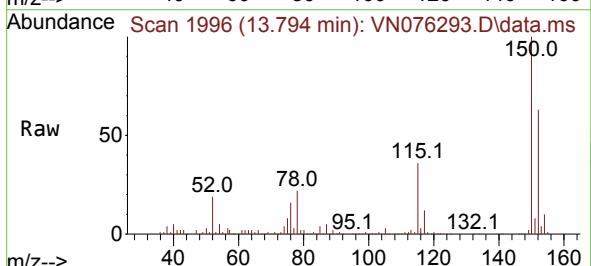
Tgt Ion:152 Resp: 225650

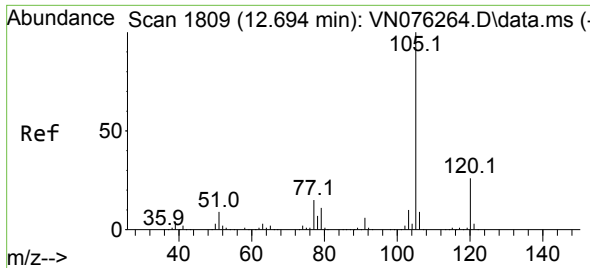
Ion Ratio Lower Upper

152 100

115 66.1 29.6 88.9

150 157.4 0.0 351.4

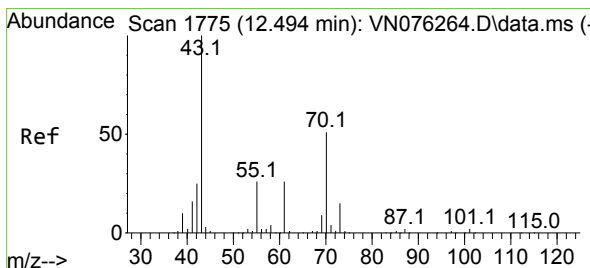
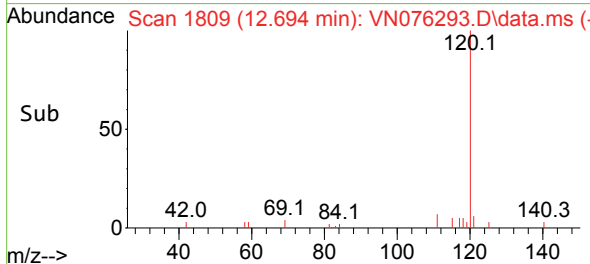
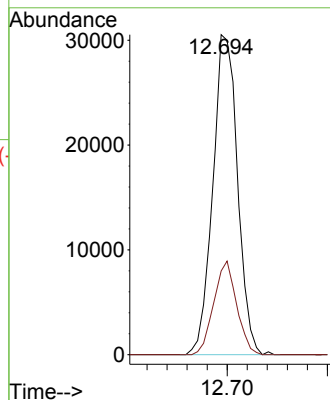
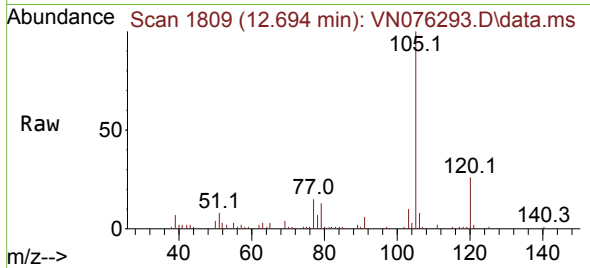




#73
Isopropylbenzene
Concen: 2.995 ug/l
RT: 12.694 min Scan# 1809
Delta R.T. -0.000 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

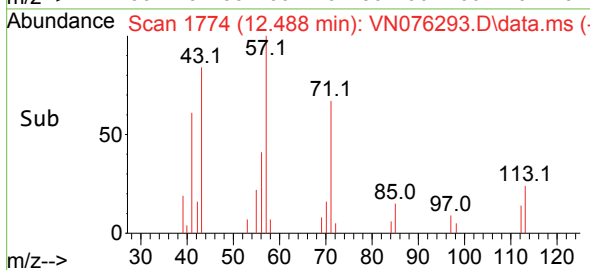
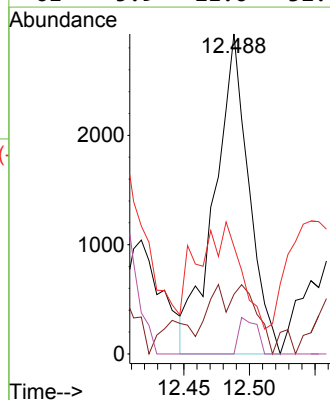
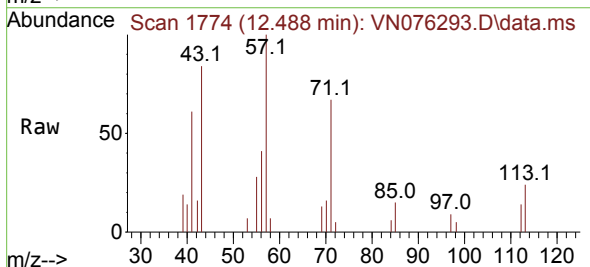
Instrument :
MSVOA_N
ClientSampleId :
WS-2DL

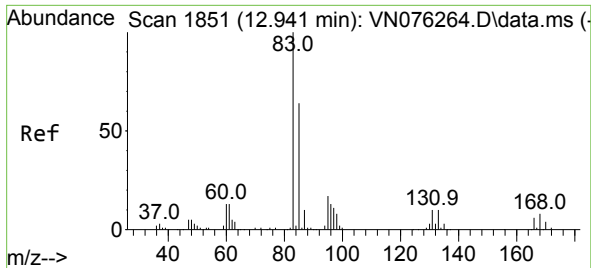
Tgt Ion:105 Resp: 52290
Ion Ratio Lower Upper
105 100
120 27.0 13.4 40.1



#74
N-ethyl acetate
Concen: 1.056 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

Tgt Ion: 43 Resp: 5302
Ion Ratio Lower Upper
43 100
70 7.8 41.2 61.8#
55 41.6 21.0 31.6#
61 5.9 21.6 32.4#

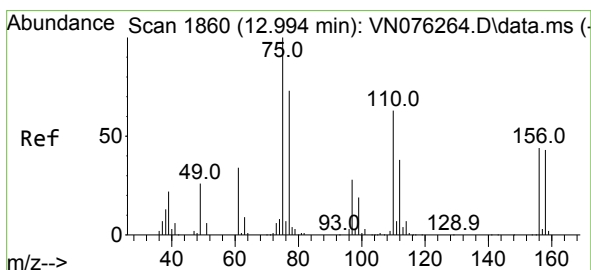
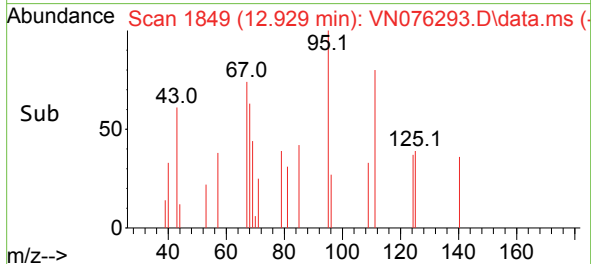
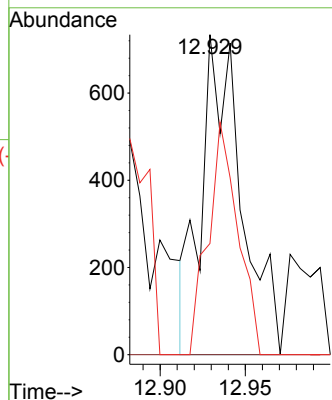
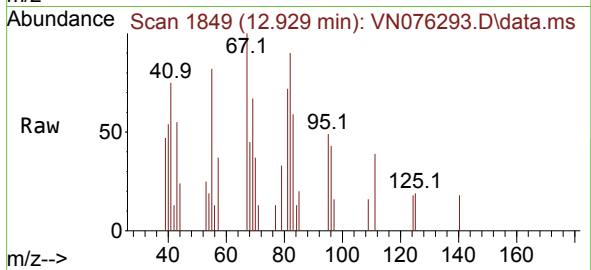




#75
1,1,2,2-Tetrachloroethane
Concen: 0.240 ug/l
RT: 12.929 min Scan# 1849
Delta R.T. -0.012 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

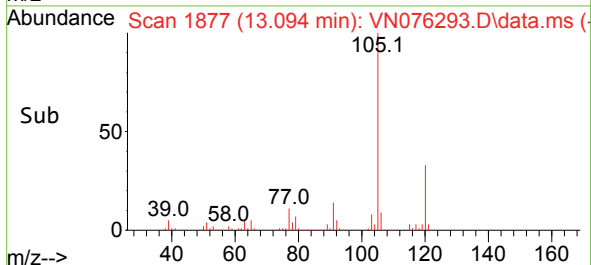
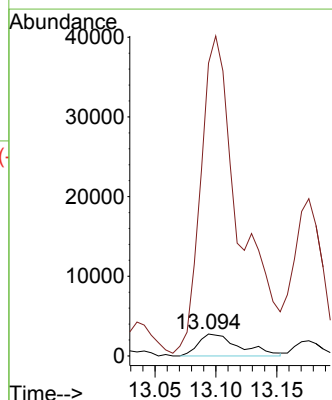
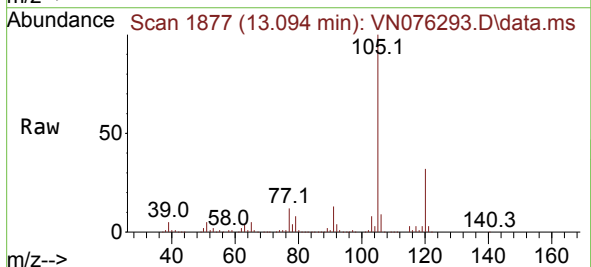
Instrument :
MSVOA_N
ClientSampleId :
WS-2DL

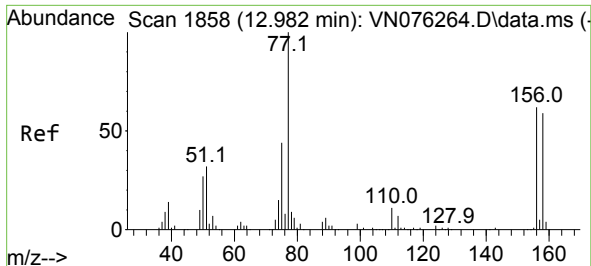
Tgt Ion: 83 Resp: 1202
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.4#
85 54.1 31.7 95.1



#76
1,2,3-Trichloropropane
Concen: 0.639 ug/l
RT: 13.094 min Scan# 1877
Delta R.T. 0.100 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

Tgt Ion: 75 Resp: 6474
Ion Ratio Lower Upper
75 100
77 1387.7 75.2 225.6#

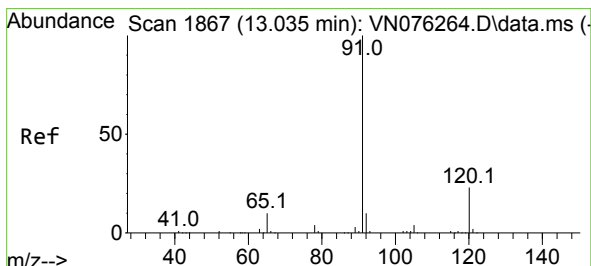
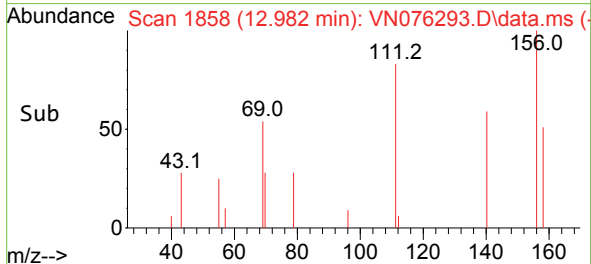
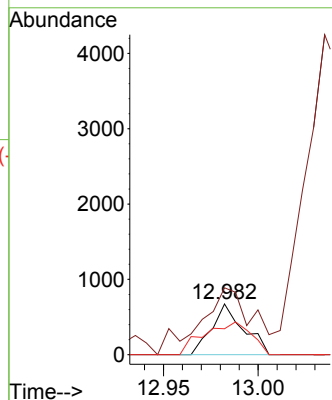
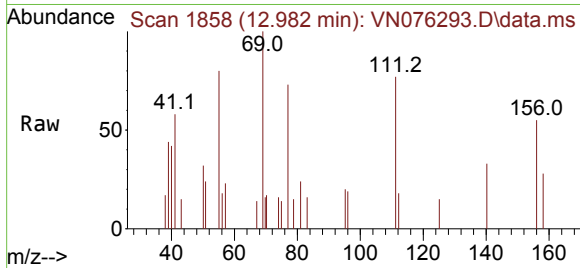




#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

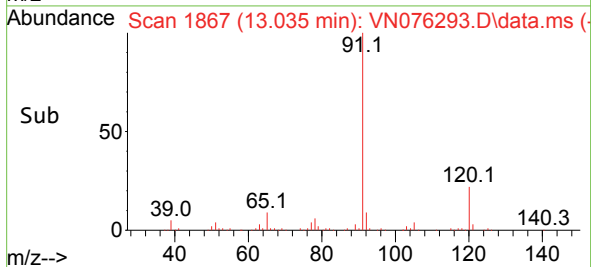
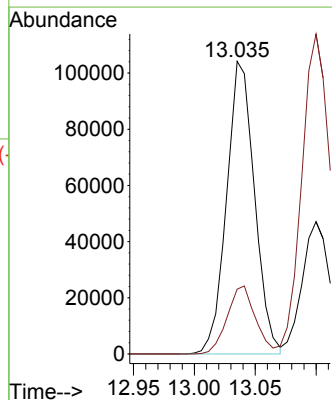
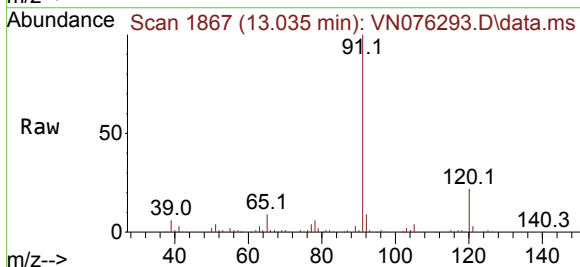
Instrument :
MSVOA_N
ClientSampleId :
WS-2DL

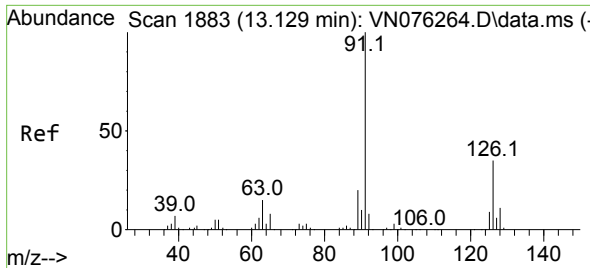
Tgt Ion:156 Resp: 787
Ion Ratio Lower Upper
156 100
77 0.0 93.4 280.2#
158 95.3 48.4 145.2



#78
n-propylbenzene
Concen: 8.467 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

Tgt Ion: 91 Resp: 166776
Ion Ratio Lower Upper
91 100
120 23.3 11.9 35.5

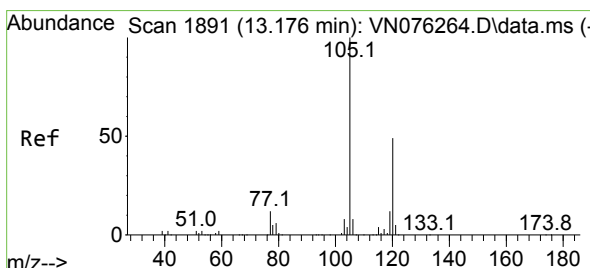
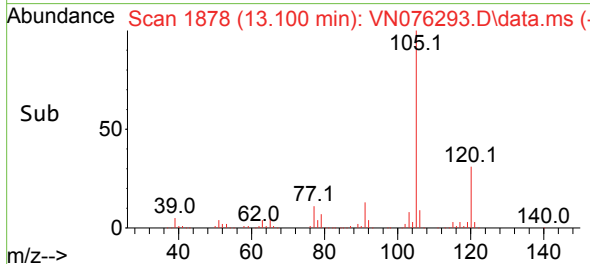
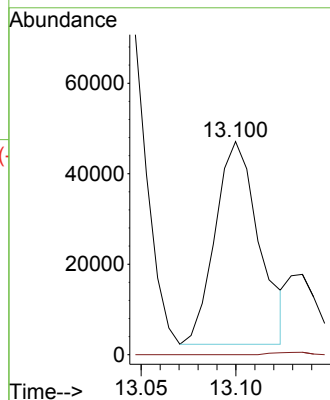
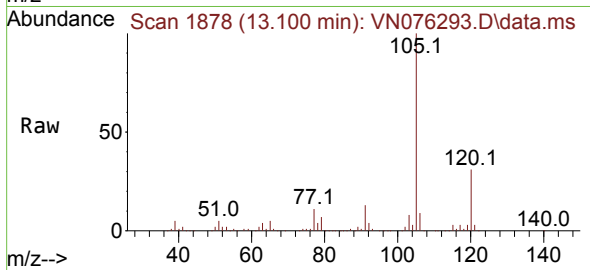




#79
2-Chlorotoluene
Concen: 5.968 ug/l
RT: 13.100 min Scan# 1878
Delta R.T. -0.029 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

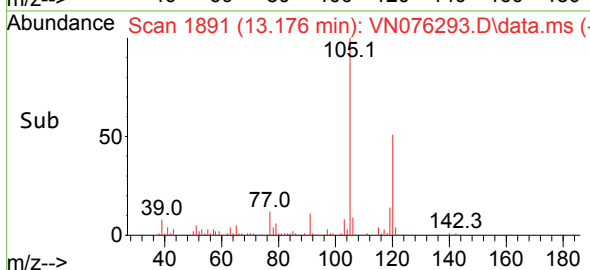
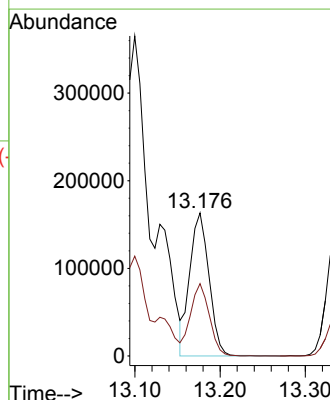
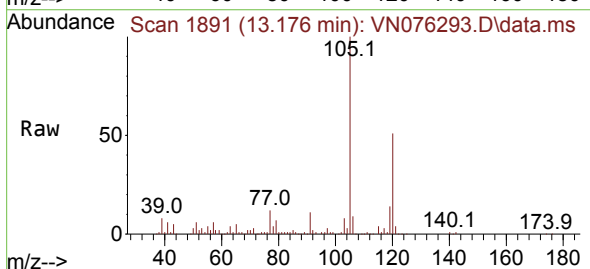
Instrument :
MSVOA_N
ClientSampleId :
WS-2DL

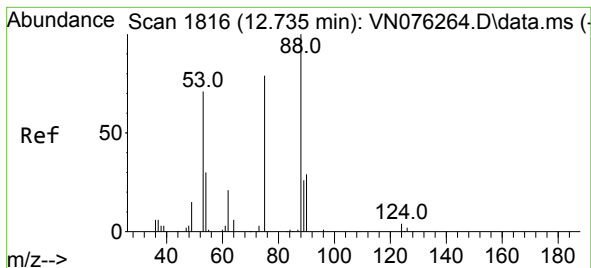
Tgt Ion: 91 Resp: 72134
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.2#



#80
1,3,5-Trimethylbenzene
Concen: 17.520 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

Tgt Ion: 105 Resp: 256217
Ion Ratio Lower Upper
105 100
120 49.8 25.0 75.0

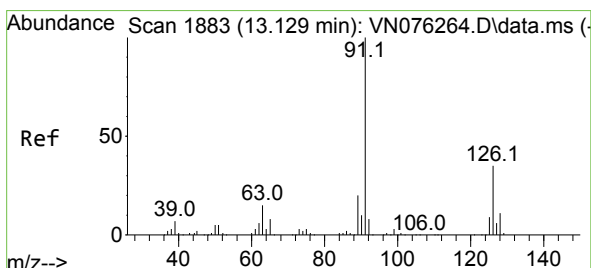
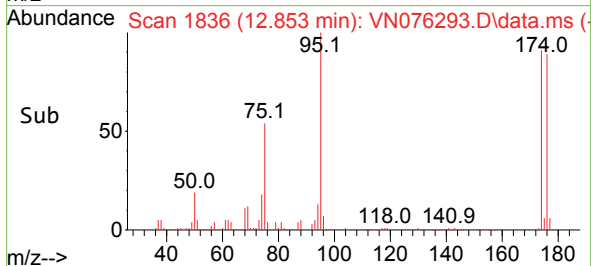
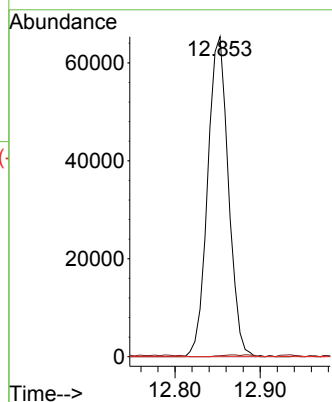
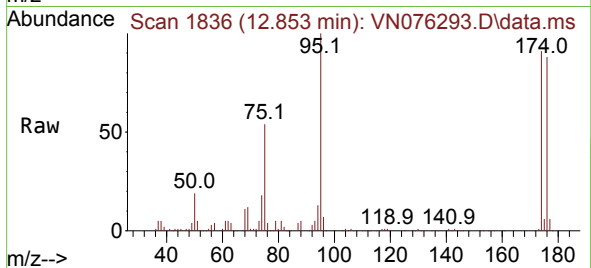




#81
trans-1,4-Dichloro-2-butene
Concen: 81.462 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

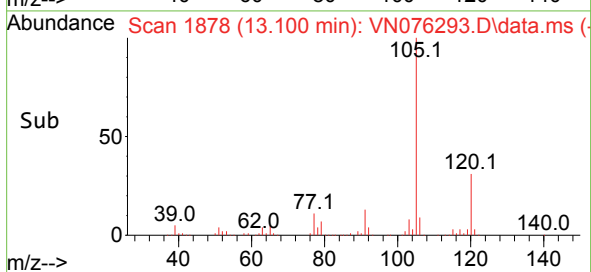
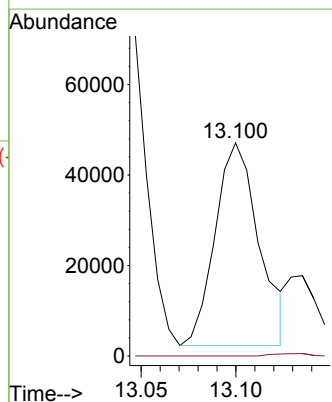
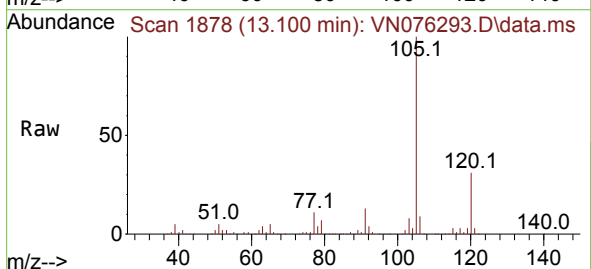
Instrument :
MSVOA_N
ClientSampleId :
WS-2DL

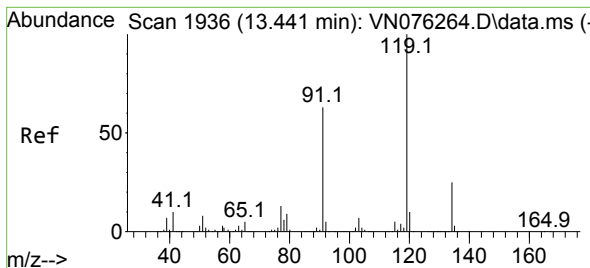
Tgt Ion: 75 Resp: 110480
Ion Ratio Lower Upper
75 100
53 0.5 75.8 113.8#
89 0.0 37.0 55.6#



#82
4-Chlorotoluene
Concen: 5.968 ug/l
RT: 13.100 min Scan# 1878
Delta R.T. -0.029 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

Tgt Ion: 91 Resp: 72134
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.2#





#83

tert-Butylbenzene

Concen: 10.140 ug/l

RT: 13.488 min Scan# 1944

Delta R.T. 0.047 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

WS-2DL

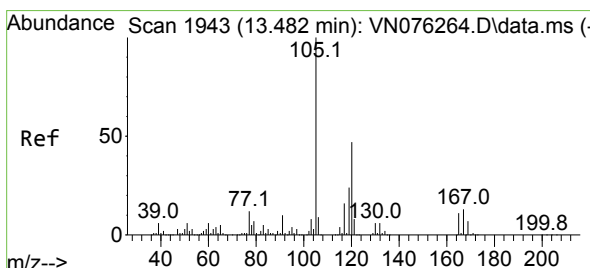
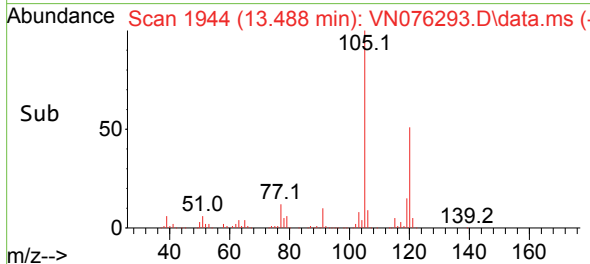
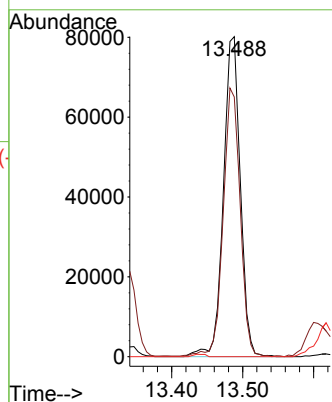
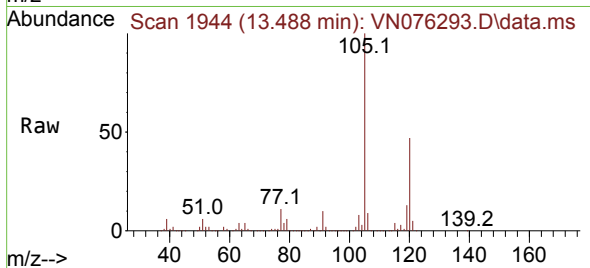
Tgt Ion:119 Resp: 131885

Ion Ratio Lower Upper

119 100

91 84.9 32.2 96.6

134 0.0 13.6 40.8#



#84

1,2,4-Trimethylbenzene

Concen: 72.410 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN076293.D

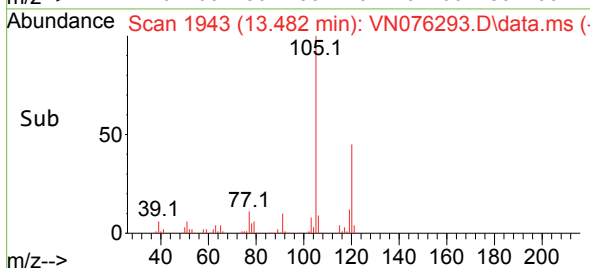
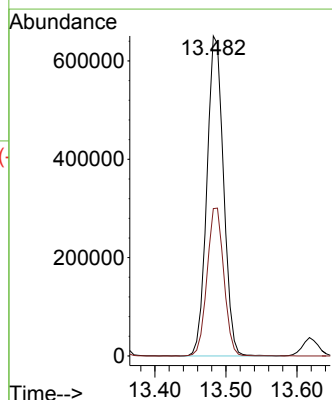
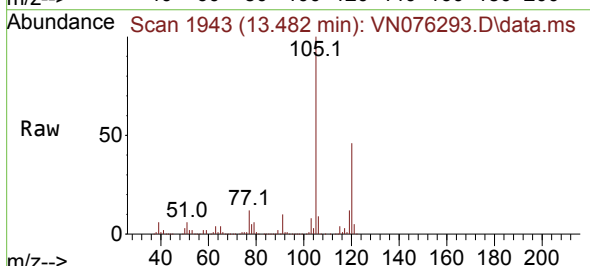
Acq: 18 Jan 2023 12:59

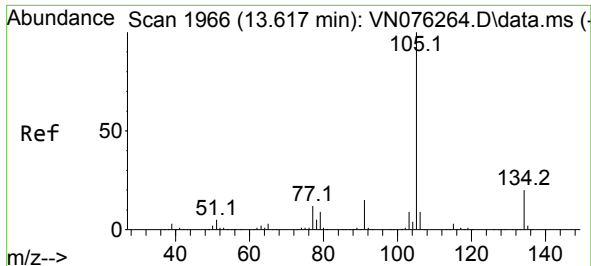
Tgt Ion:105 Resp: 1061828

Ion Ratio Lower Upper

105 100

120 46.6 22.9 68.5

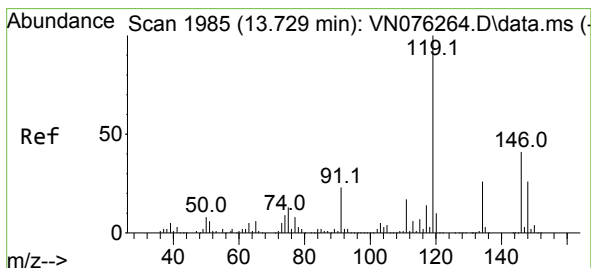
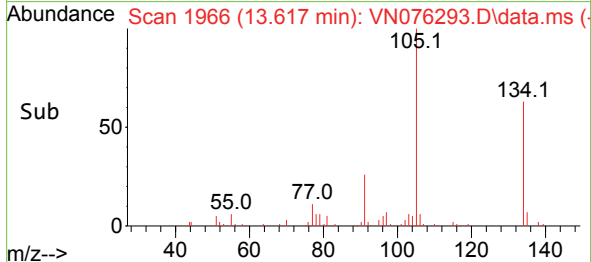
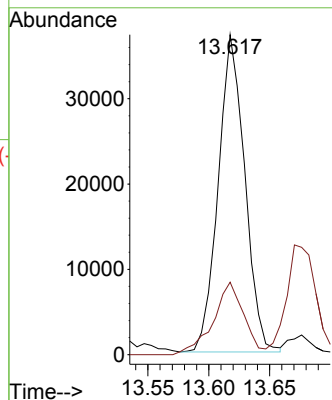
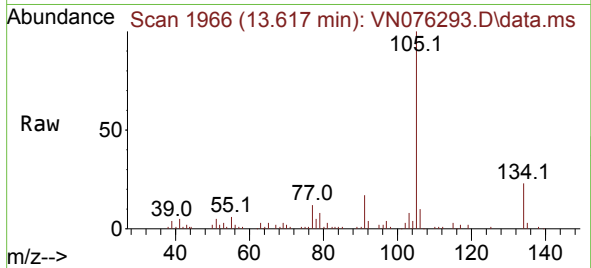




#85
 sec-Butylbenzene
 Concen: 3.136 ug/l
 RT: 13.617 min Scan# 1966
 Delta R.T. 0.000 min
 Lab File: VN076293.D
 Acq: 18 Jan 2023 12:59

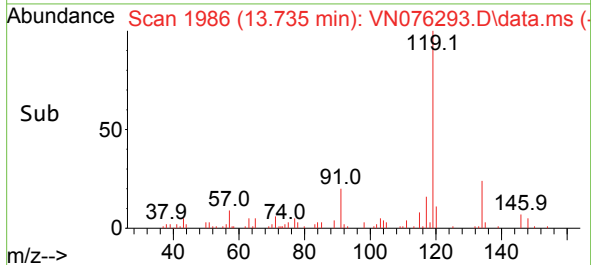
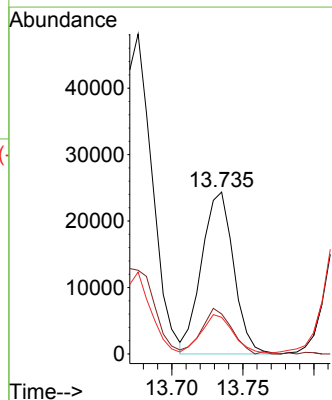
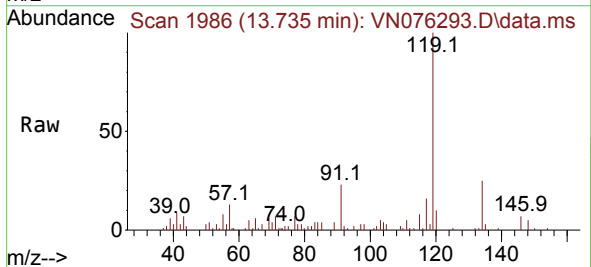
Instrument :
 MSVOA_N
 ClientSampleId :
 WS-2DL

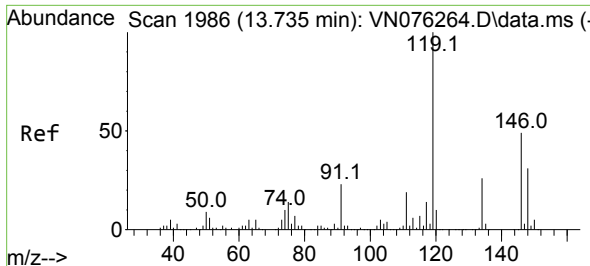
Tgt Ion:105 Resp: 56606
 Ion Ratio Lower Upper
 105 100
 134 26.4 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 2.571 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN076293.D
 Acq: 18 Jan 2023 12:59

Tgt Ion:119 Resp: 38153
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.6
 91 23.1 11.8 35.3

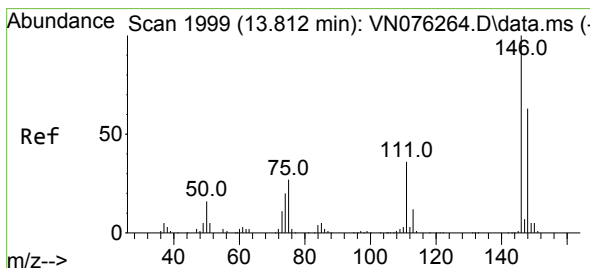
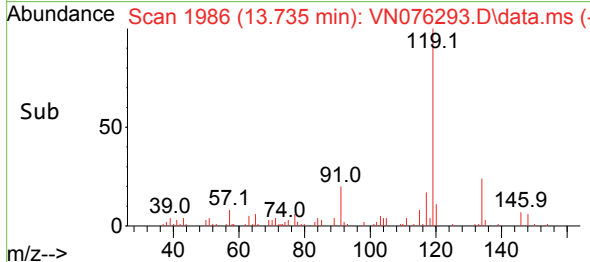
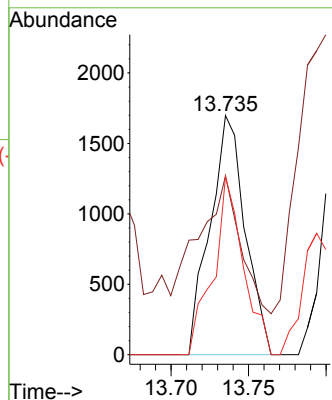
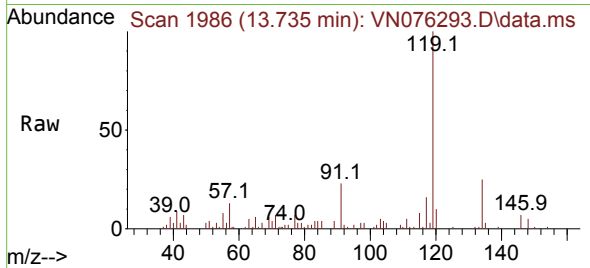




#87
 1,3-Dichlorobenzene
 Concen: 0.325 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN076293.D
 Acq: 18 Jan 2023 12:59

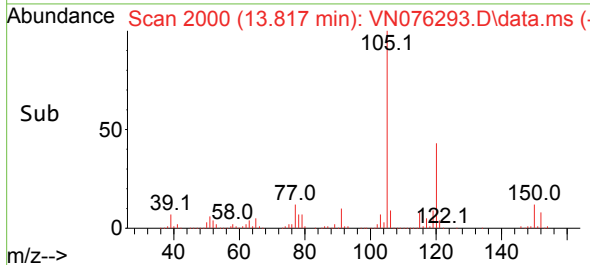
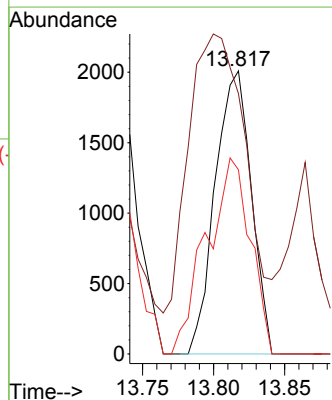
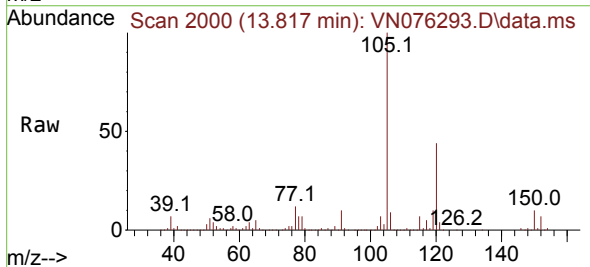
Instrument :
 MSVOA_N
 ClientSampleId :
 WS-2DL

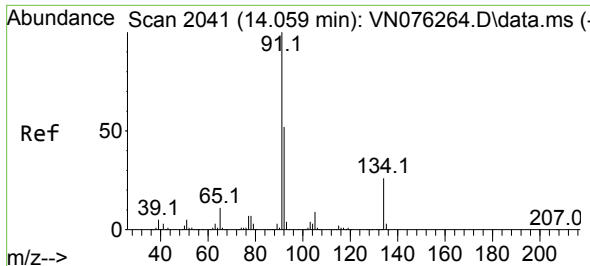
Tgt Ion:146 Resp: 2673
 Ion Ratio Lower Upper
 146 100
 111 72.6 19.9 59.7#
 148 64.0 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 0.555 ug/l
 RT: 13.817 min Scan# 2000
 Delta R.T. 0.005 min
 Lab File: VN076293.D
 Acq: 18 Jan 2023 12:59

Tgt Ion:146 Resp: 3556
 Ion Ratio Lower Upper
 146 100
 111 150.3 19.1 57.5#
 148 84.0 31.9 95.9

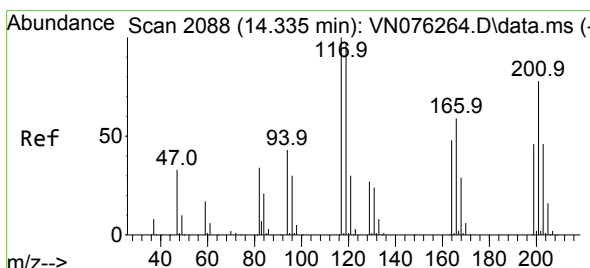
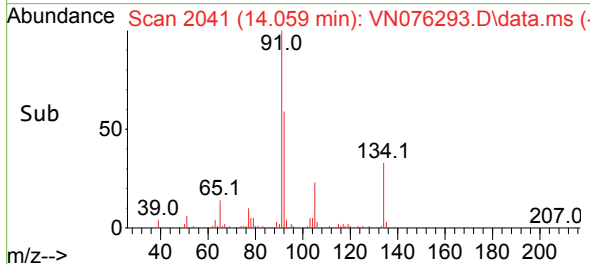
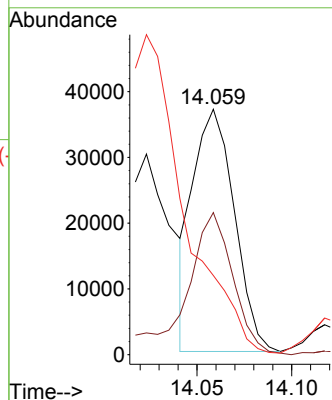
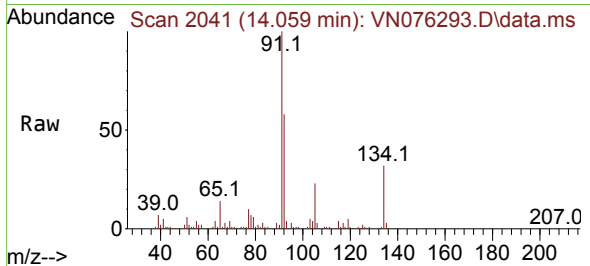




#89
n-Butylbenzene
Concen: 4.737 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

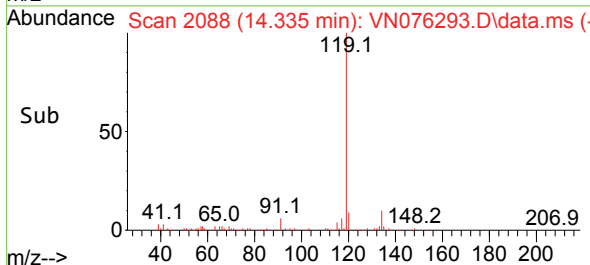
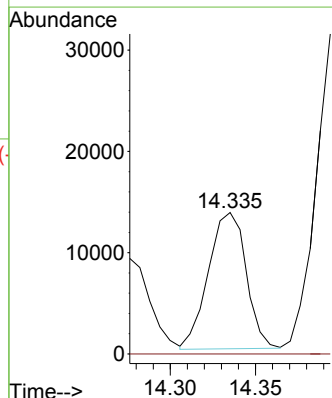
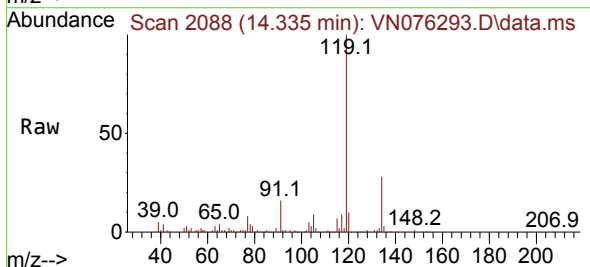
Instrument :
MSVOA_N
ClientSampleId :
WS-2DL

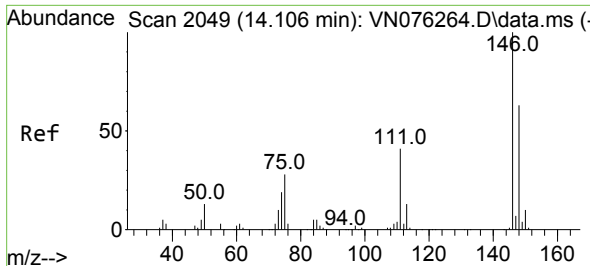
Tgt Ion: 91 Resp: 55807
Ion Ratio Lower Upper
91 100
92 60.3 26.3 78.9
134 0.0 13.2 39.5#



#90
Hexachloroethane
Concen: 8.120 ug/l
RT: 14.335 min Scan# 2088
Delta R.T. 0.000 min
Lab File: VN076293.D
Acq: 18 Jan 2023 12:59

Tgt Ion: 117 Resp: 20799
Ion Ratio Lower Upper
117 100
201 0.0 37.3 111.9#





#91

1,2-Dichlorobenzene

Concen: 0.373 ug/l

RT: 14.112 min Scan# 2049

Delta R.T. 0.006 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

WS-2DL

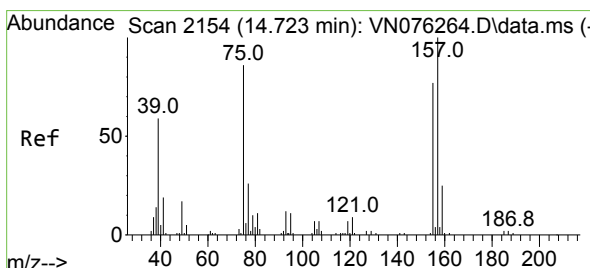
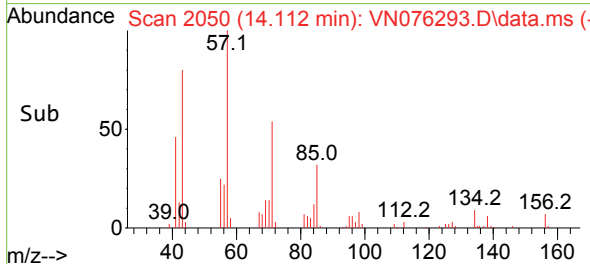
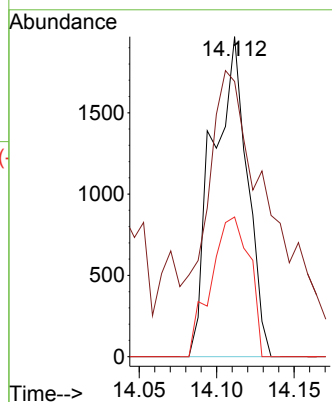
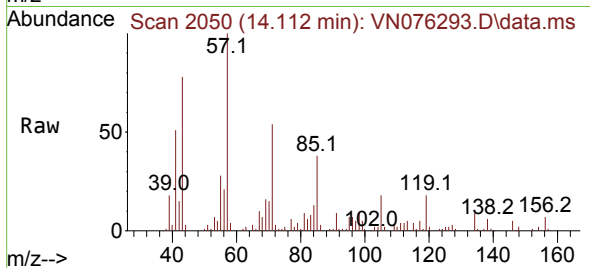
Tgt Ion:146 Resp: 3055

Ion Ratio Lower Upper

146 100

111 168.0 20.3 60.8#

148 48.6 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.318 ug/l

RT: 14.694 min Scan# 2149

Delta R.T. -0.029 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

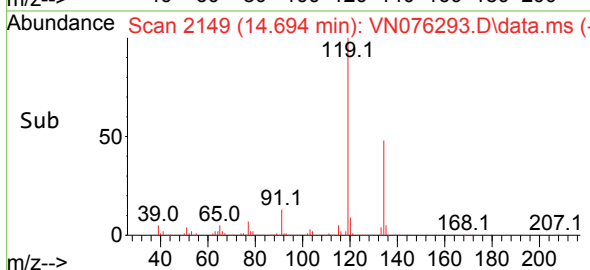
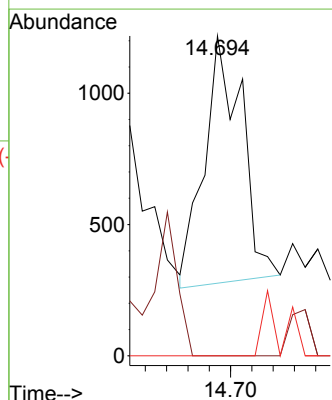
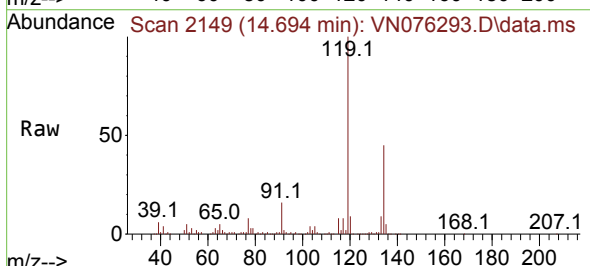
Tgt Ion: 75 Resp: 1150

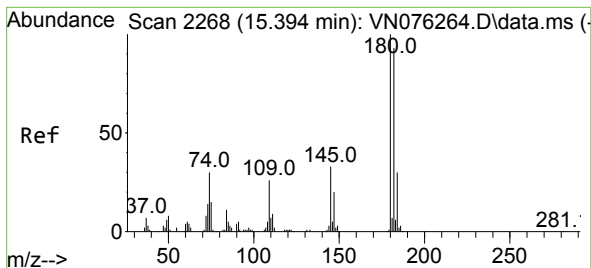
Ion Ratio Lower Upper

75 100

155 0.0 45.0 135.0#

157 0.0 58.3 174.9#





#93

1,2,4-Trichlorobenzene

Concen: 2.317 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

WS-2DL

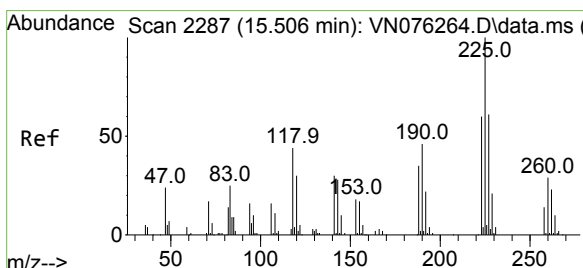
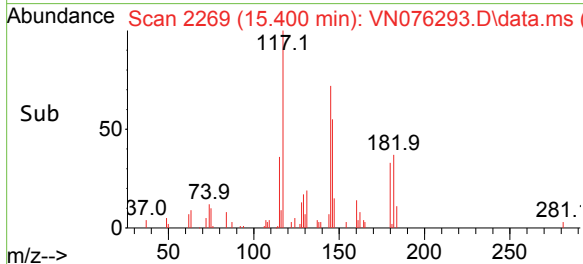
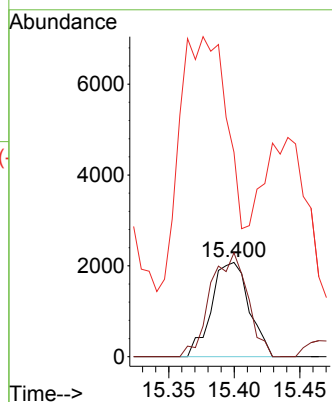
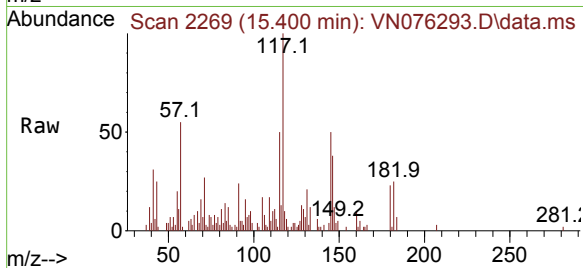
Tgt Ion:180 Resp: 4116

Ion Ratio Lower Upper

180 100

182 109.3 47.0 141.2

145 0.0 15.2 45.5#



#94

Hexachlorobutadiene

Concen: 0.248 ug/l

RT: 15.500 min Scan# 2286

Delta R.T. -0.006 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

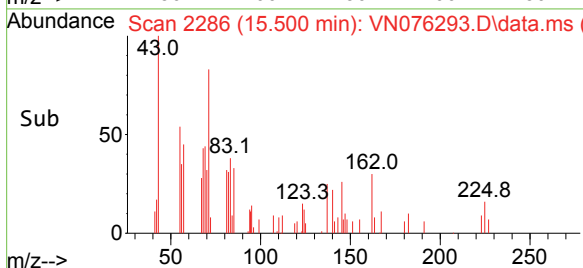
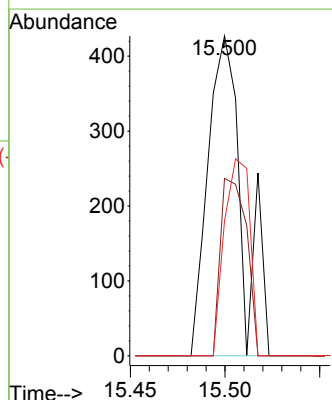
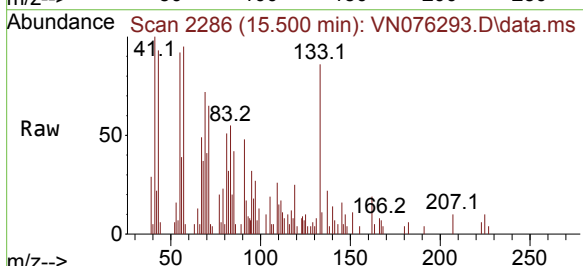
Tgt Ion:225 Resp: 539

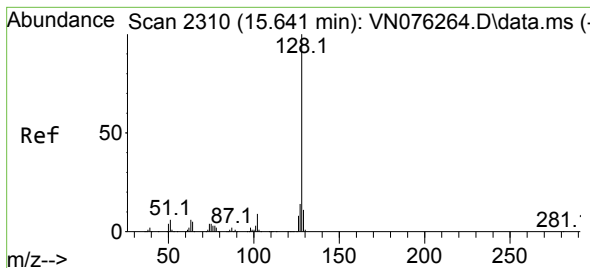
Ion Ratio Lower Upper

225 100

223 41.9 30.8 92.3

227 45.5 30.9 92.8





#95

Naphthalene

Concen: 15.996 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

WS-2DL

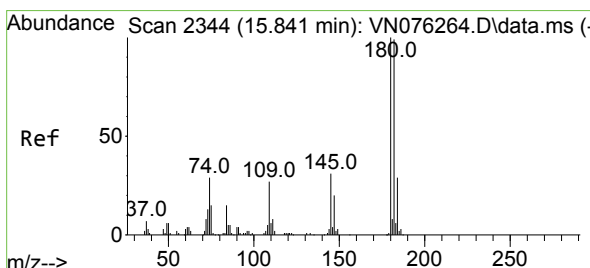
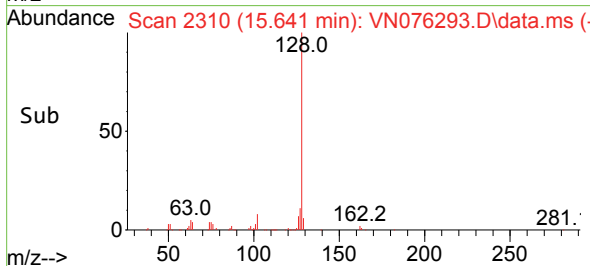
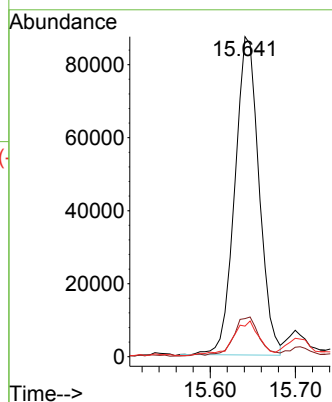
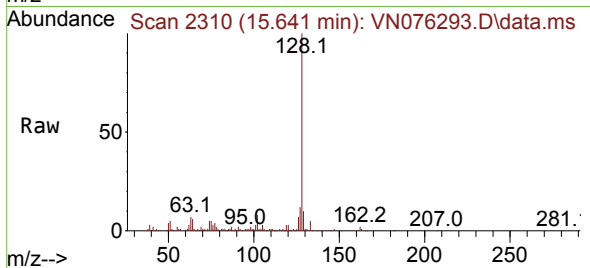
Tgt Ion:128 Resp: 172315

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 11.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.664 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076293.D

Acq: 18 Jan 2023 12:59

Tgt Ion:180 Resp: 5835

Ion Ratio Lower Upper

180 100

182 86.5 47.5 142.5

145 516.9 15.9 47.6#

