

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122322\
 Data File : VN075972.D
 Acq On : 23 Dec 2022 17:34
 Operator : JC\MD
 Sample : N6206-01 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Dec 26 04:35:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

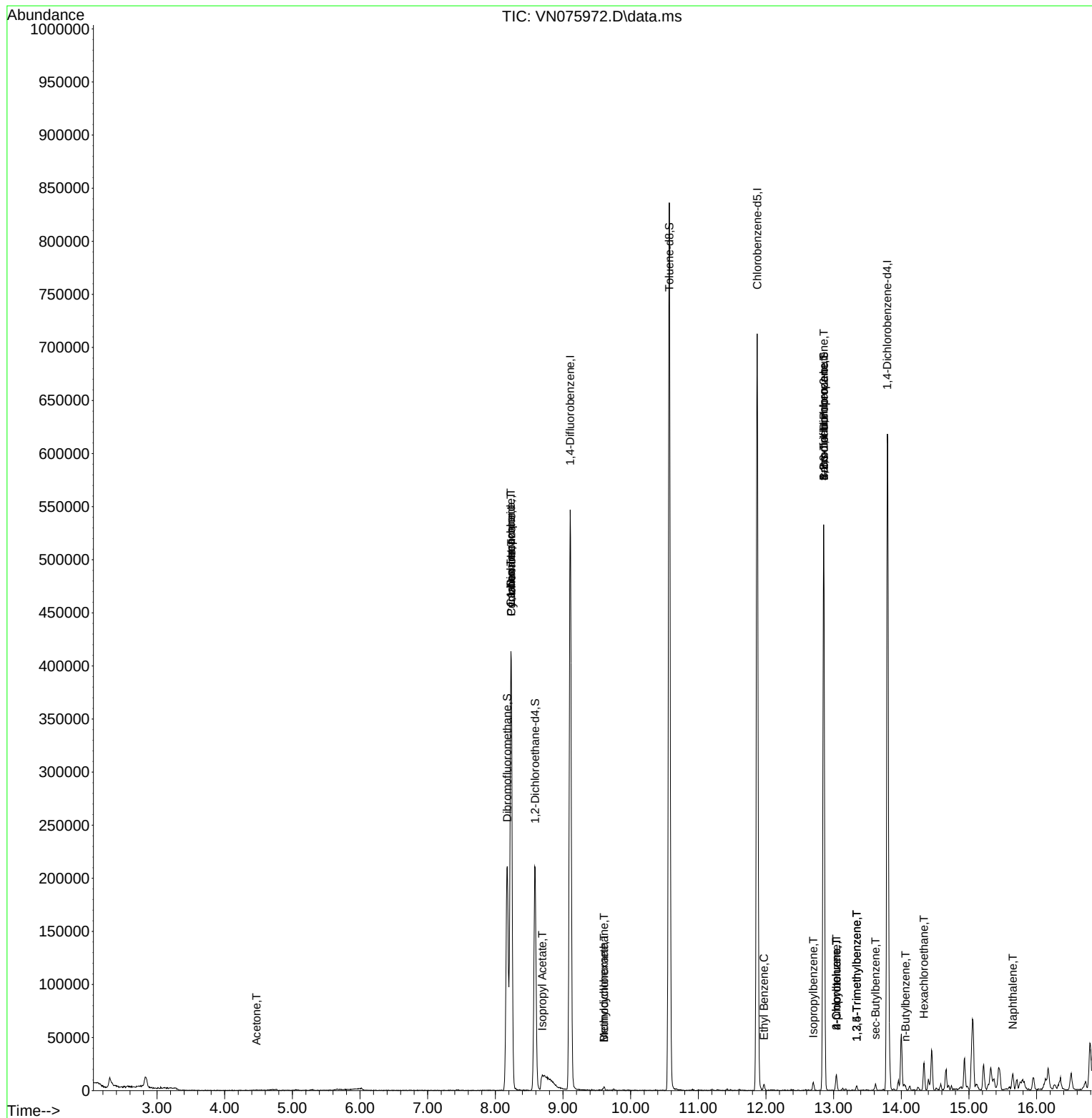
Internal Standards						
1) Pentafluorobenzene	8.235	168	318123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	511232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	430112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	169337	48.929	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.860%		
35) Dibromofluoromethane	8.177	113	154039	48.654	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.300%		
50) Toluene-d8	10.571	98	585289	49.445	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.880%		
62) 4-Bromofluorobenzene	12.853	95	176596	45.043	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.080%		
Target Compounds					Qvalue	
16) Acetone	4.471	43	258	0.216	ug/l #	39
20) Methylene Chloride	5.300	84	134	Below Cal	#	29
31) Cyclohexane	8.235	56	6960	1.404	ug/l #	37
36) 1,1-Dichloropropene	8.230	75	22534	5.358	ug/l #	49
38) Carbon Tetrachloride	8.230	117	31706	6.736	ug/l #	17
39) Methylcyclohexane	9.606	83	1634	0.322	ug/l #	92
43) Isopropyl Acetate	8.694	43	9377	1.683	ug/l #	50
47) Bromodichloromethane	9.606	83	985	0.214	ug/l #	25
67) Ethyl Benzene	11.970	91	3821	0.256	ug/l #	84
71) Bromoform	12.853	173	1380	0.580	ug/l #	1
73) Isopropylbenzene	12.700	105	5751	0.438	ug/l	91
76) 1,2,3-Trichloropropane	12.853	75	90032	24.591	ug/l #	1
78) n-propylbenzene	13.041	91	12765	0.882	ug/l	93
79) 2-Chlorotoluene	13.041	91	12765	1.413	ug/l #	40
80) 1,3,5-Trimethylbenzene	13.341	105	3146	0.286	ug/l	67
81) trans-1,4-Dichloro-2-b...	12.853	75	90032	88.517	ug/l #	12
82) 4-Chlorotoluene	13.041	91	12765	1.413	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.341	105	3146	0.289	ug/l	71
85) sec-Butylbenzene	13.617	105	4069	0.304	ug/l	86
89) n-Butylbenzene	14.064	91	2948	0.327	ug/l #	74
90) Hexachloroethane	14.335	117	1792	0.901	ug/l #	11
95) Naphthalene	15.647	128	14929	3.622	ug/l	96

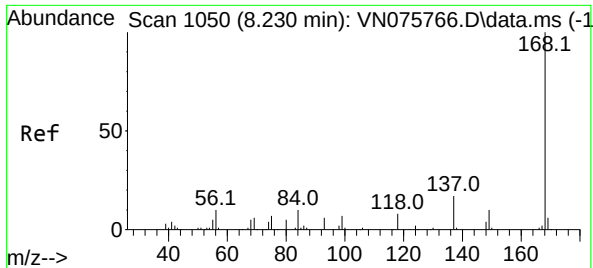
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

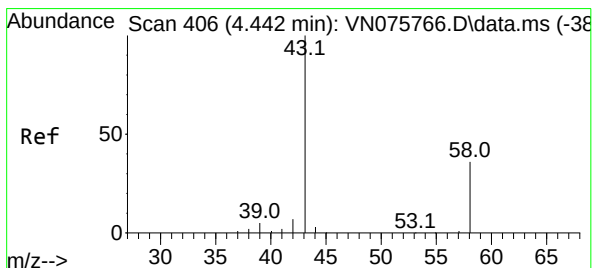
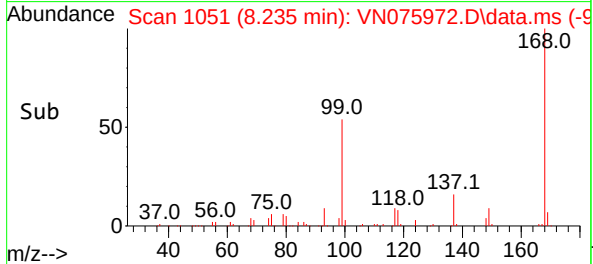
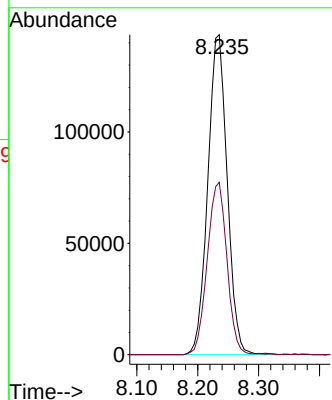
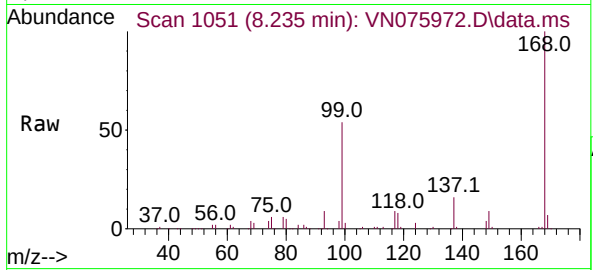




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

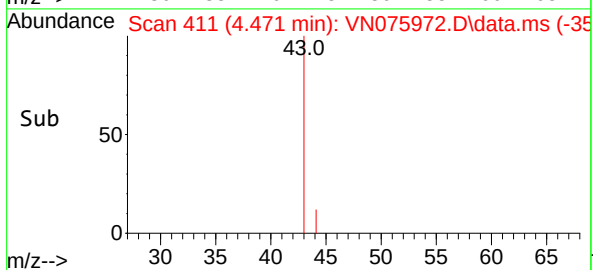
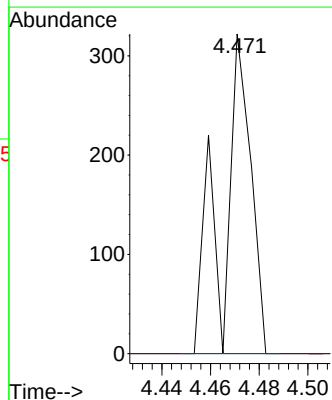
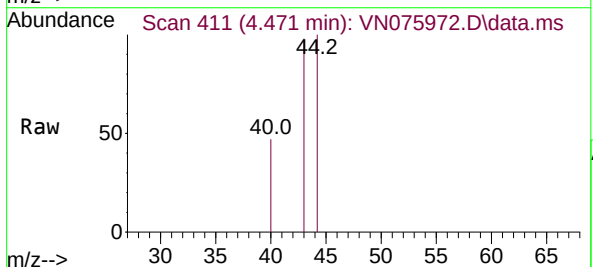
Instrument :
MSVOA_N
ClientSampleId :
MW-1

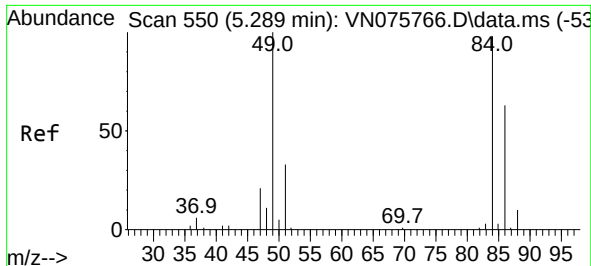
Tgt Ion:168 Resp: 318123
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#16
Acetone
Concen: 0.216 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.029 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

Tgt Ion: 43 Resp: 258
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

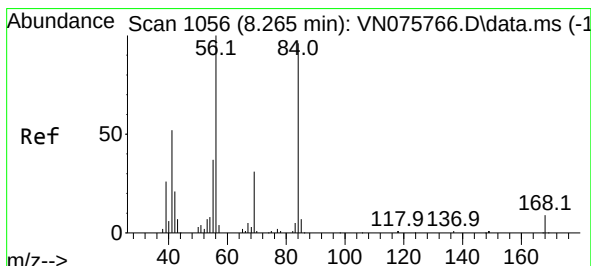
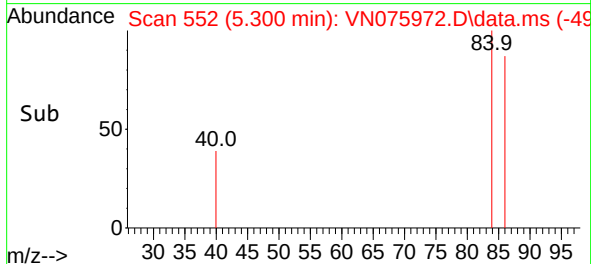
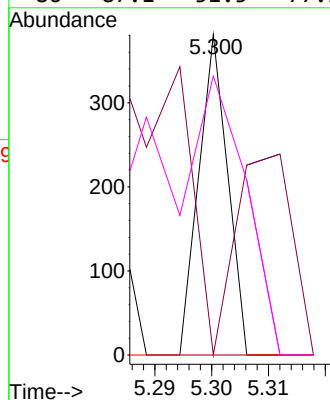
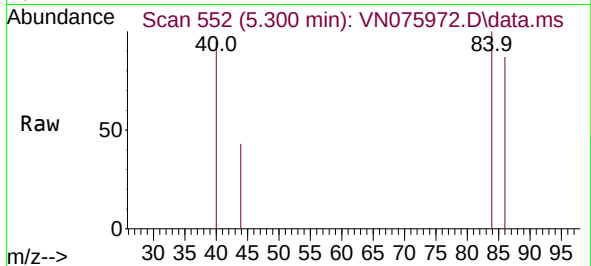




#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

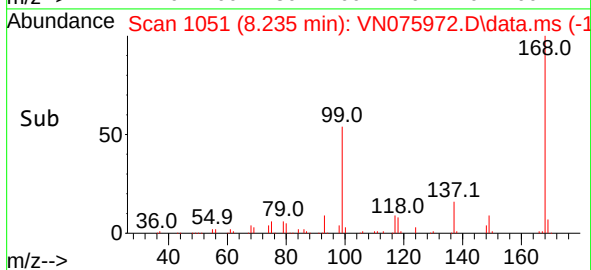
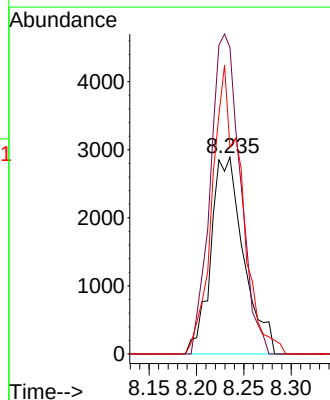
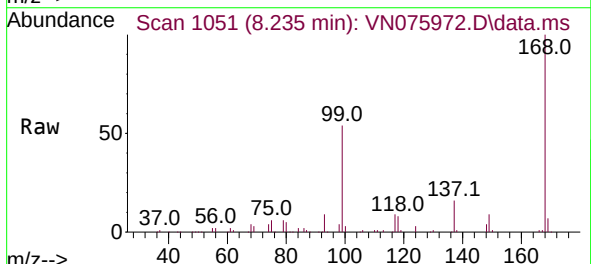
Instrument :
MSVOA_N
ClientSampleId :
MW-1

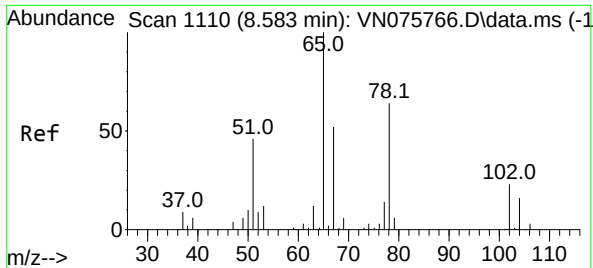
Tgt Ion:	84	Resp:	134
Ion	Ratio	Lower	Upper
84	100		
49	0.0	81.8	122.6#
51	0.0	26.7	40.1#
86	87.1	51.5	77.3#



#31
Cyclohexane
Concen: 1.404 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.030 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

Tgt Ion:	56	Resp:	6960
Ion	Ratio	Lower	Upper
56	100		
69	155.9	24.7	37.1#
84	105.2	76.5	114.7





#33

1,2-Dichloroethane-d4

Concen: 48.929 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN075972.D

Acq: 23 Dec 2022 17:34

Instrument :

MSVOA_N

ClientSampleId :

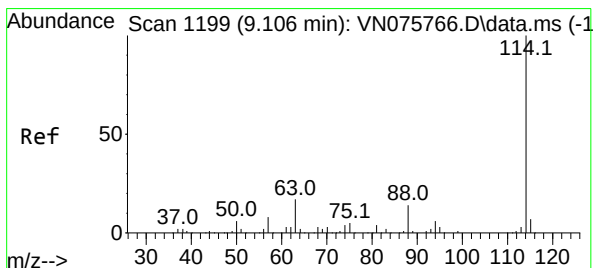
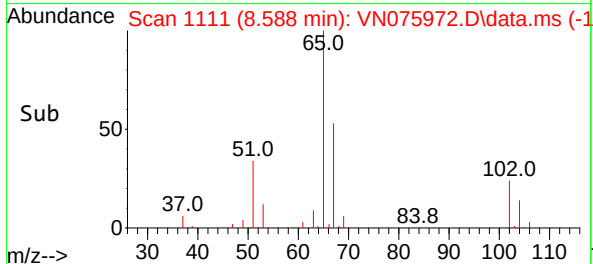
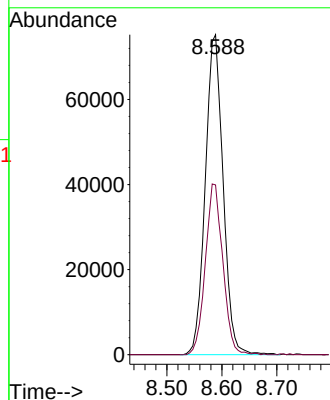
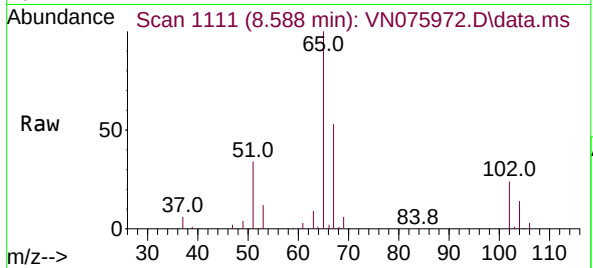
MW-1

Tgt Ion: 65 Resp: 169337

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075972.D

Acq: 23 Dec 2022 17:34

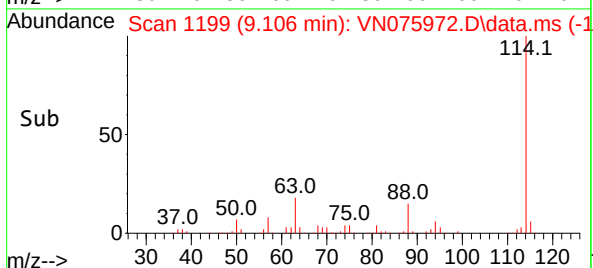
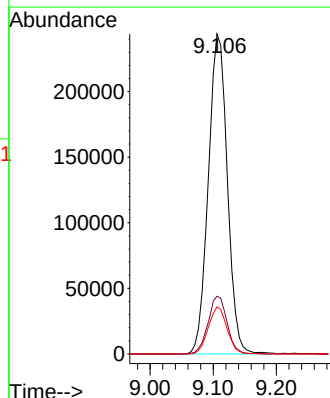
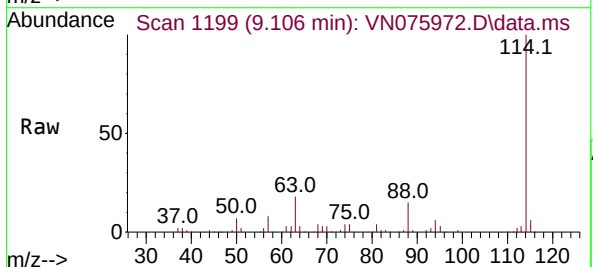
Tgt Ion: 114 Resp: 511232

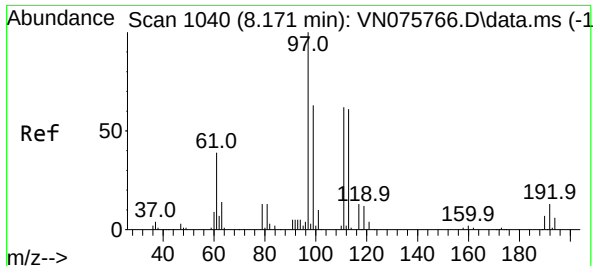
Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.4

88 14.7 0.0 28.8

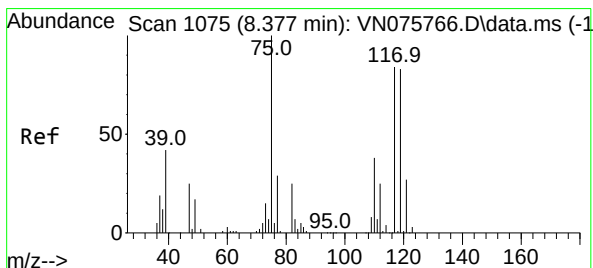
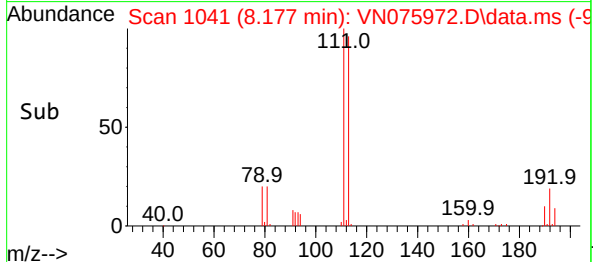
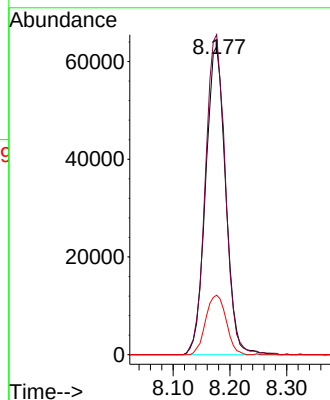
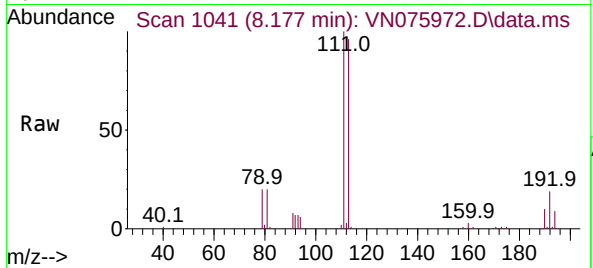




#35
Dibromofluoromethane
Concen: 48.654 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

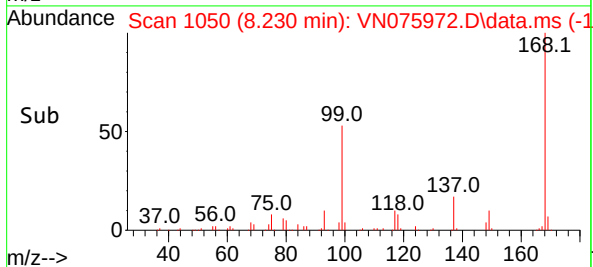
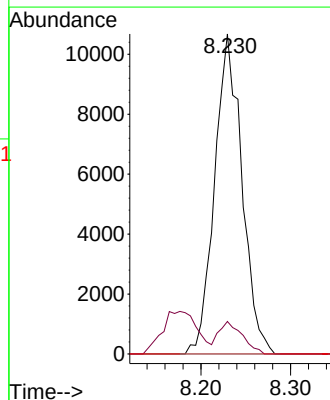
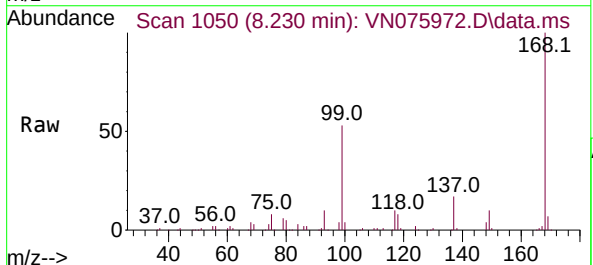
Instrument :
MSVOA_N
ClientSampleId :
MW-1

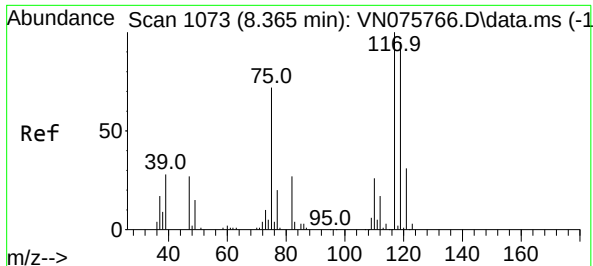
Tgt Ion:113 Resp: 154039
Ion Ratio Lower Upper
113 100
111 103.5 83.4 125.2
192 19.7 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.358 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

Tgt Ion: 75 Resp: 22534
Ion Ratio Lower Upper
75 100
110 8.8 18.8 56.4#
77 0.0 24.1 36.1#

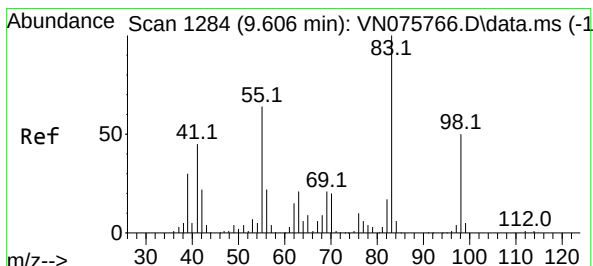
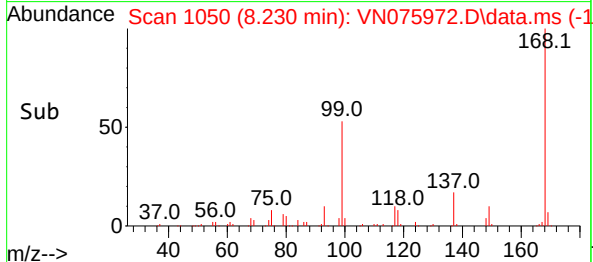
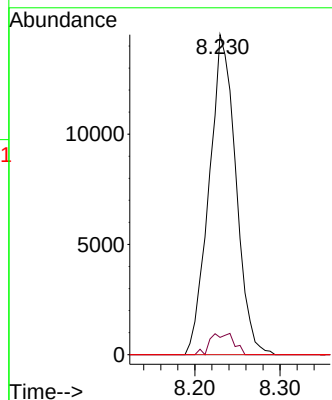
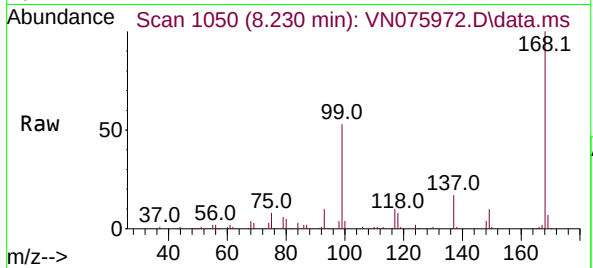




#38
Carbon Tetrachloride
Concen: 6.736 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

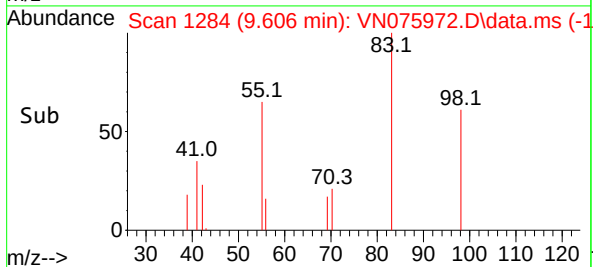
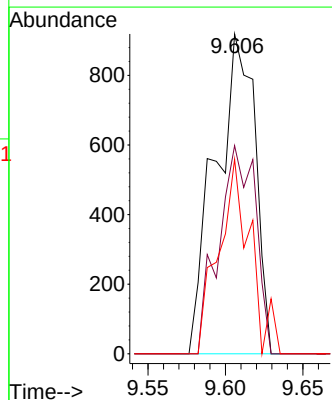
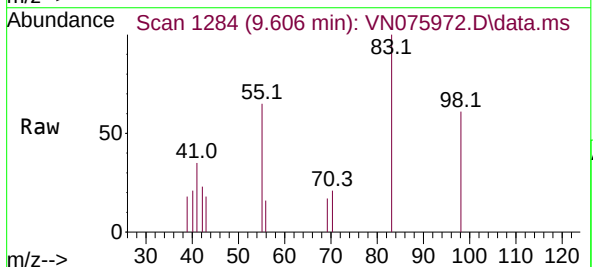
Instrument :
MSVOA_N
ClientSampleId :
MW-1

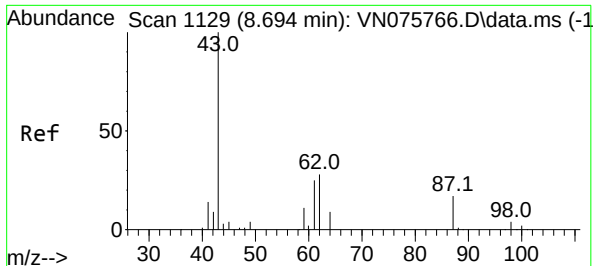
Tgt Ion:117 Resp: 31706
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 0.322 ug/l
RT: 9.606 min Scan# 1284
Delta R.T. -0.000 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

Tgt Ion: 83 Resp: 1634
Ion Ratio Lower Upper
83 100
55 65.1 51.4 77.0
98 60.8 39.8 59.8#





#43

Isopropyl Acetate

Concen: 1.683 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VN075972.D

Acq: 23 Dec 2022 17:34

Instrument :

MSVOA_N

ClientSampleId :

MW-1

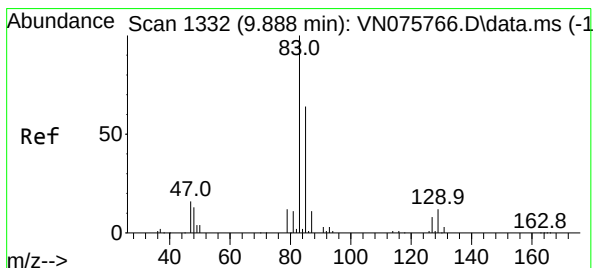
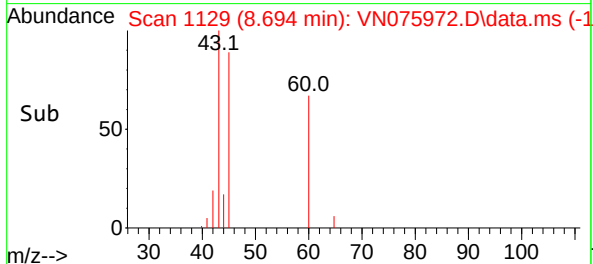
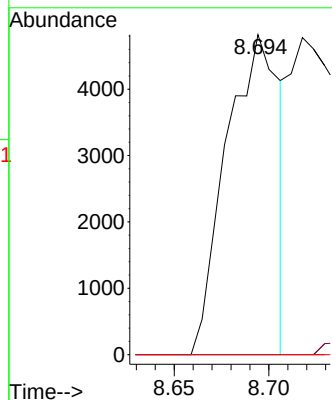
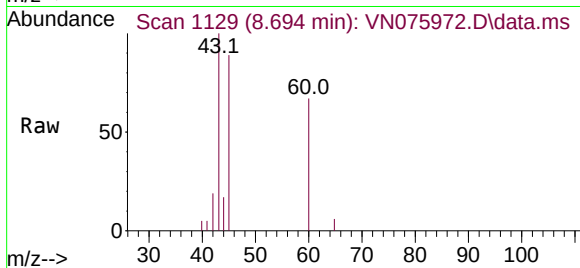
Tgt Ion: 43 Resp: 9377

Ion Ratio Lower Upper

43 100

61 0.0 24.2 36.4#

87 0.0 13.3 19.9#



#47

Bromodichloromethane

Concen: 0.214 ug/l

RT: 9.606 min Scan# 1284

Delta R.T. -0.282 min

Lab File: VN075972.D

Acq: 23 Dec 2022 17:34

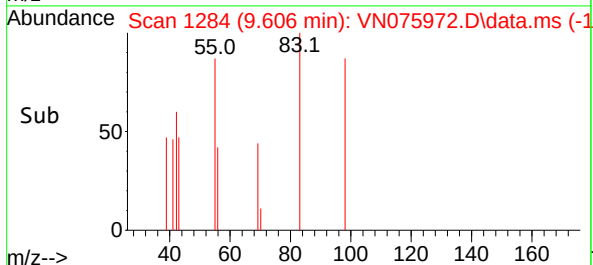
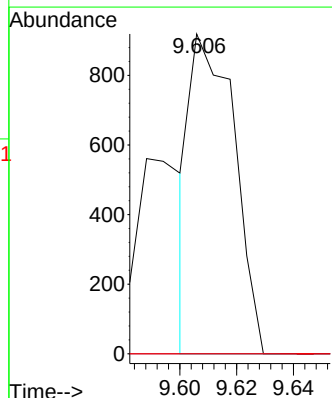
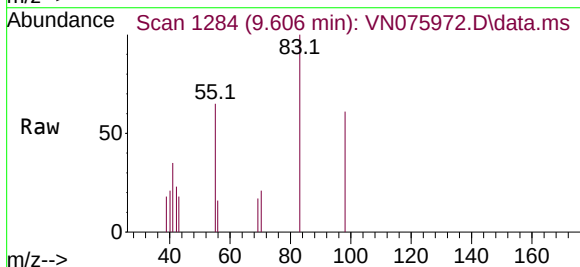
Tgt Ion: 83 Resp: 985

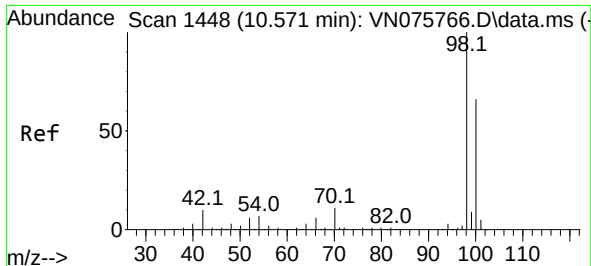
Ion Ratio Lower Upper

83 100

85 0.0 51.5 77.3#

127 0.0 6.6 10.0#

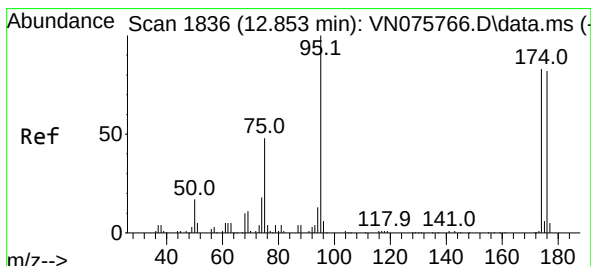
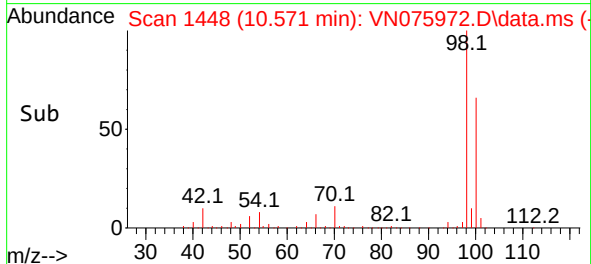
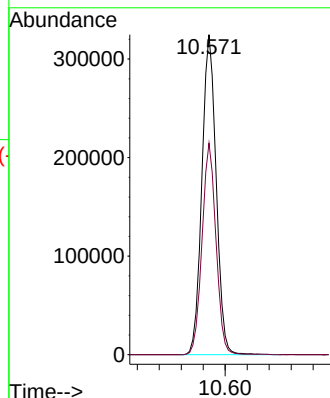
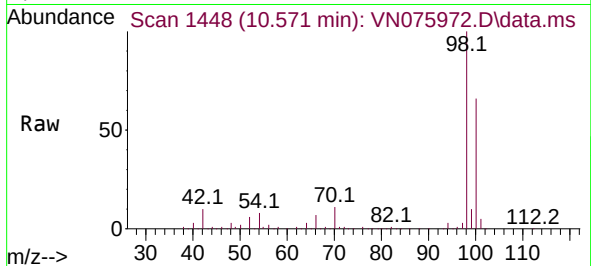




#50
Toluene-d8
Concen: 49.445 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

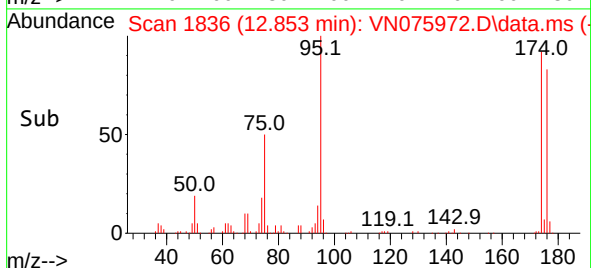
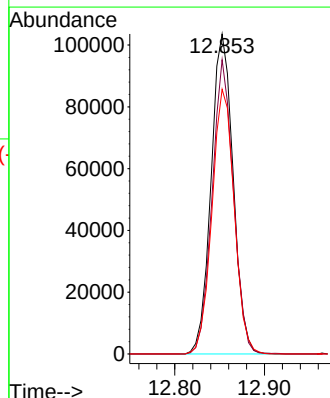
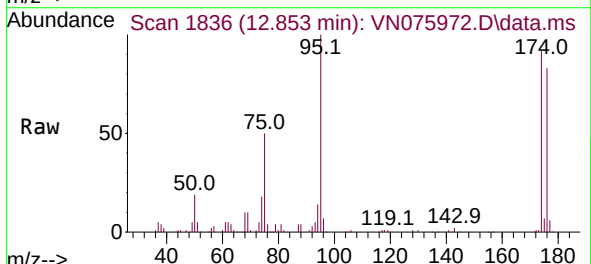
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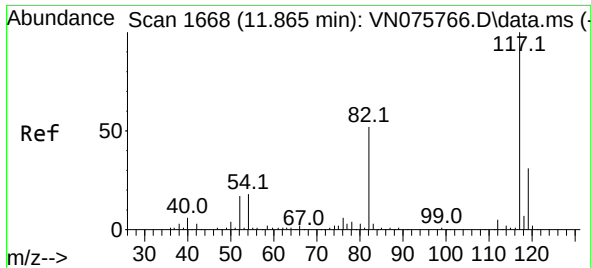
Tgt Ion: 98 Resp: 585289
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.043 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

Tgt Ion: 95 Resp: 176596
Ion Ratio Lower Upper
95 100
174 88.6 0.0 171.6
176 83.5 0.0 169.2

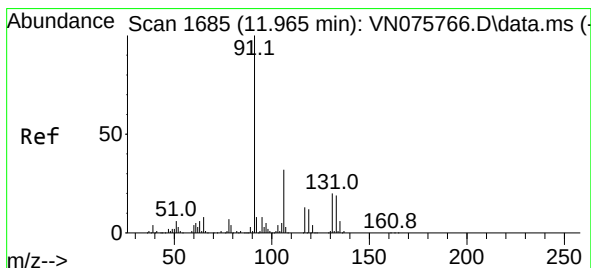
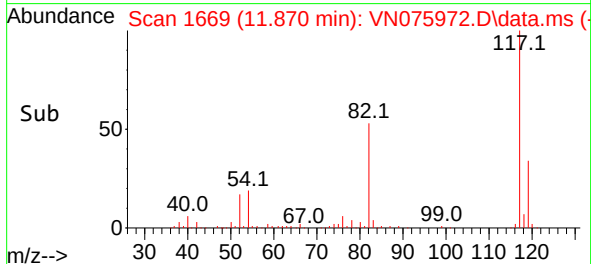
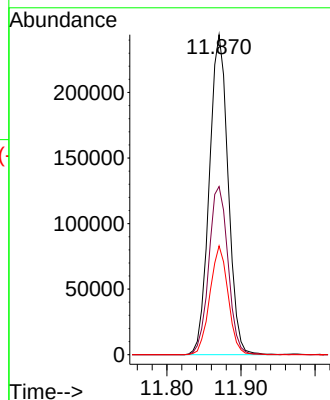
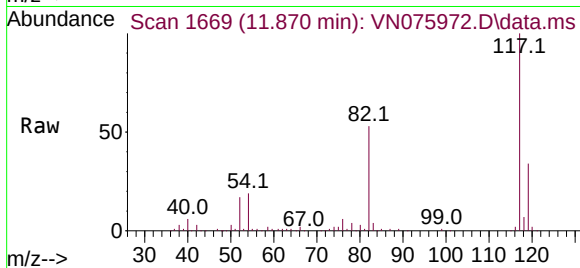




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

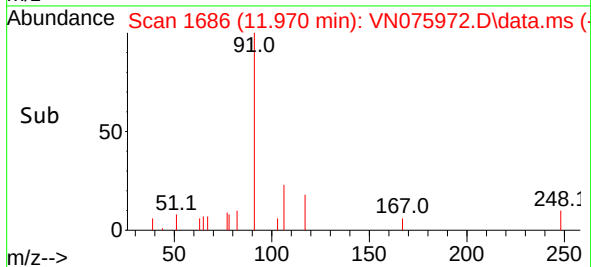
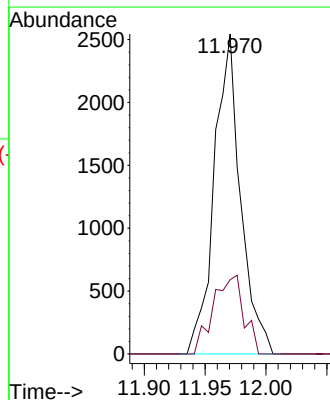
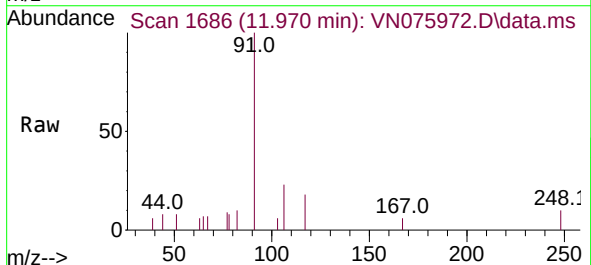
Instrument :
MSVOA_N
ClientSampleId :
MW-1

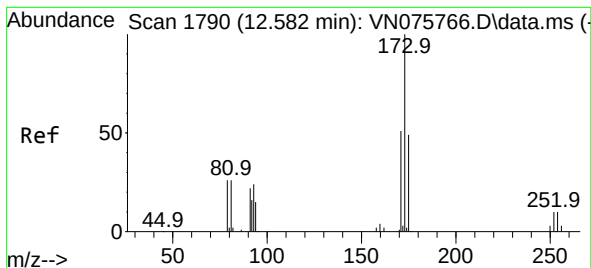
Tgt Ion:117 Resp: 430112
Ion Ratio Lower Upper
117 100
82 52.6 41.3 61.9
119 34.0 24.6 37.0



#67
Ethyl Benzene
Concen: 0.256 ug/l
RT: 11.970 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

Tgt Ion: 91 Resp: 3821
Ion Ratio Lower Upper
91 100
106 23.2 25.7 38.5#





#71

Bromoform

Concen: 0.580 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.270 min

Lab File: VN075972.D

Acq: 23 Dec 2022 17:34

Instrument :

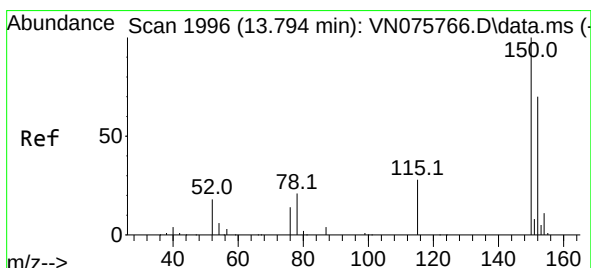
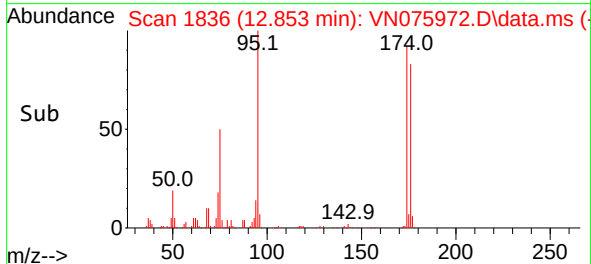
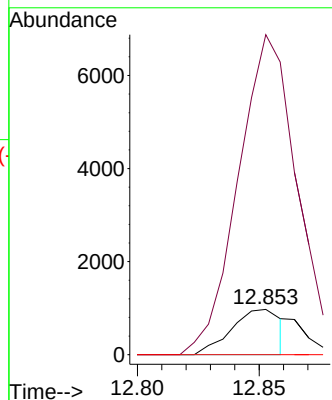
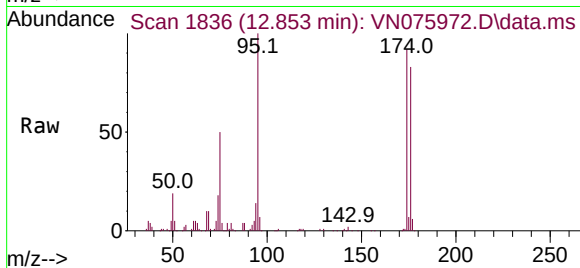
MSVOA_N

ClientSampleId :

MW-1

Tgt Ion:173 Resp: 1380

Ion	Ratio	Lower	Upper
173	100		
175	641.3	24.3	72.8#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

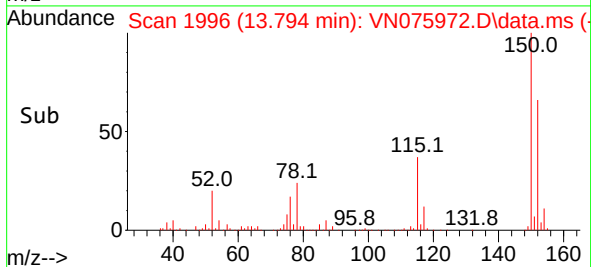
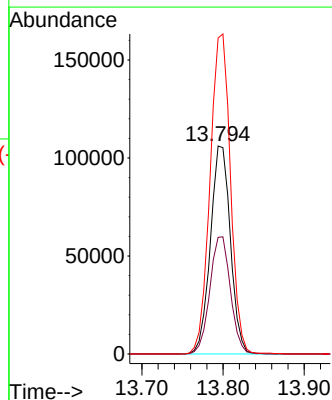
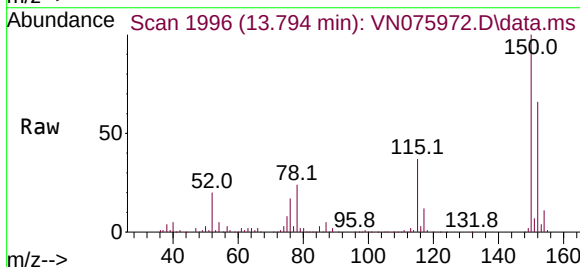
Delta R.T. -0.000 min

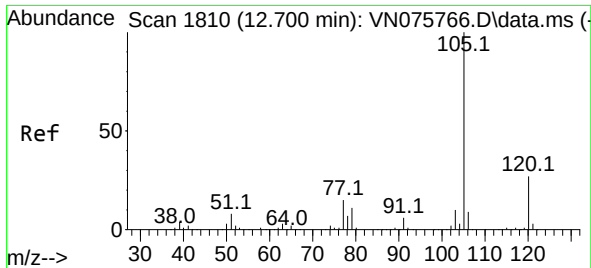
Lab File: VN075972.D

Acq: 23 Dec 2022 17:34

Tgt Ion:152 Resp: 181625

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.1	87.4
150	156.7	0.0	347.0

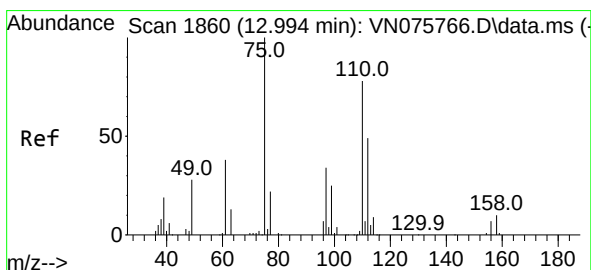
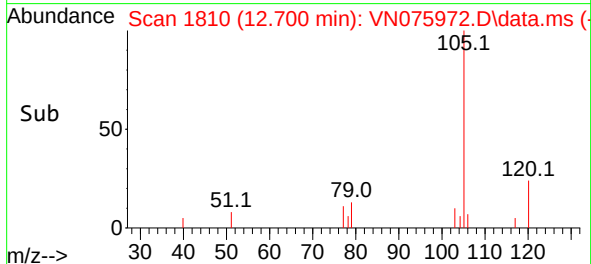
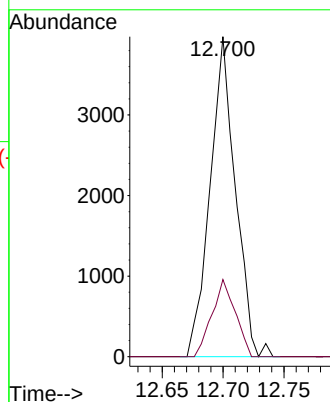
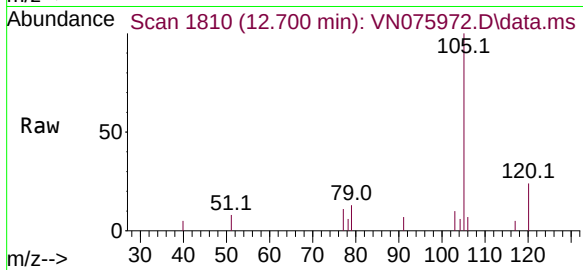




#73
Isopropylbenzene
Concen: 0.438 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

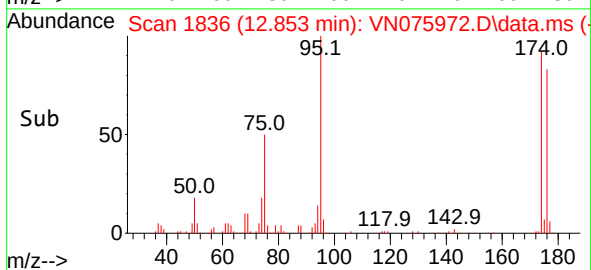
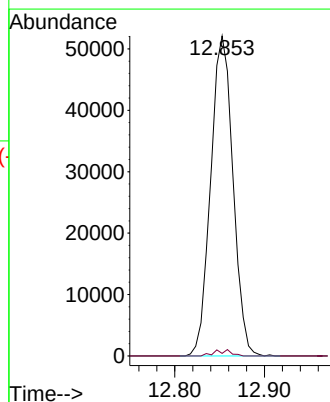
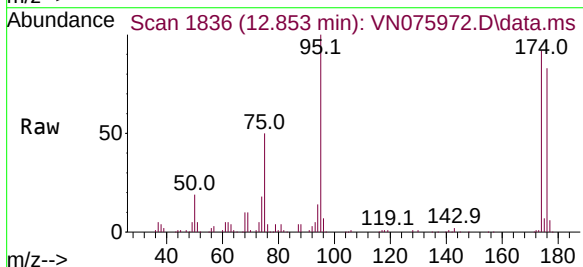
Instrument :
MSVOA_N
ClientSampleId :
MW-1

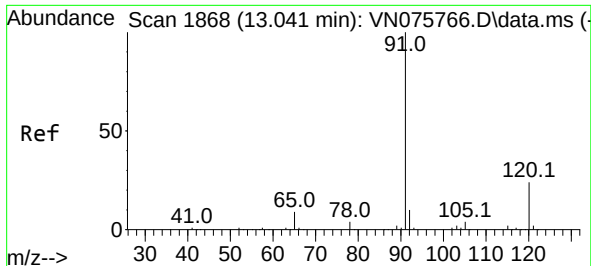
Tgt Ion:105 Resp: 5751
Ion Ratio Lower Upper
105 100
120 22.2 13.4 40.2



#76
1,2,3-Trichloropropane
Concen: 24.591 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

Tgt Ion: 75 Resp: 90032
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#

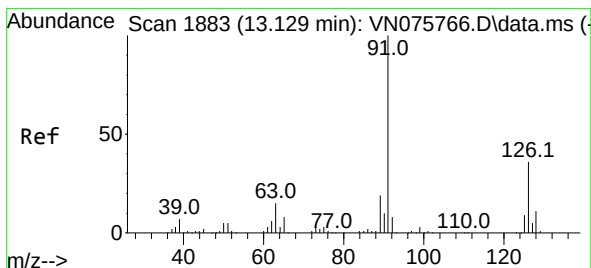
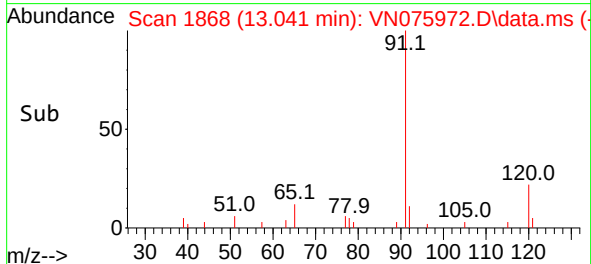
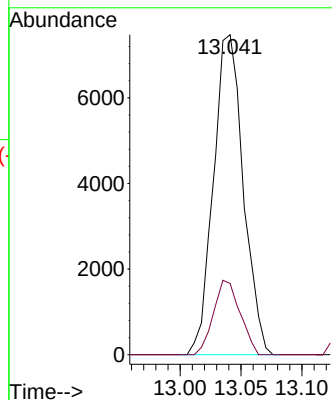
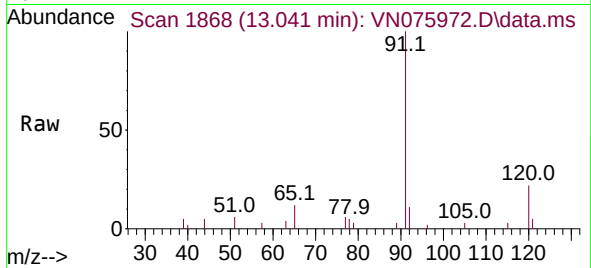




#78
n-propylbenzene
Concen: 0.882 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

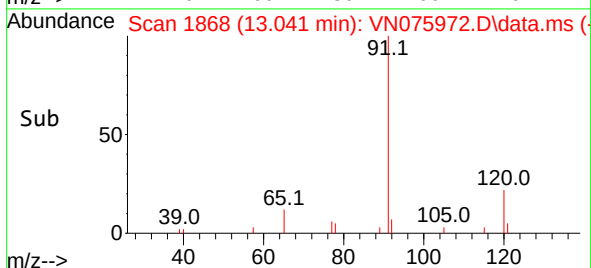
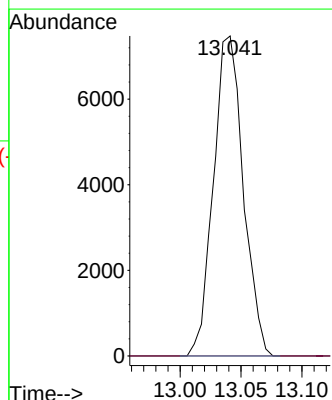
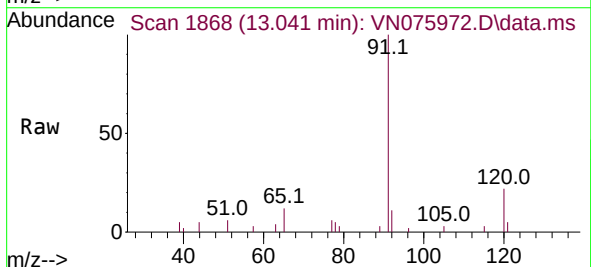
Instrument :
MSVOA_N
ClientSampleId :
MW-1

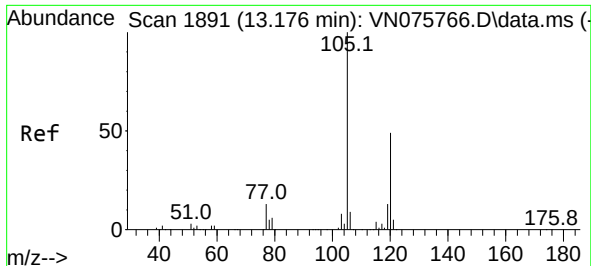
Tgt Ion: 91 Resp: 12765
Ion Ratio Lower Upper
91 100
120 20.6 12.0 36.1



#79
2-Chlorotoluene
Concen: 1.413 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. -0.088 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

Tgt Ion: 91 Resp: 12765
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.5#

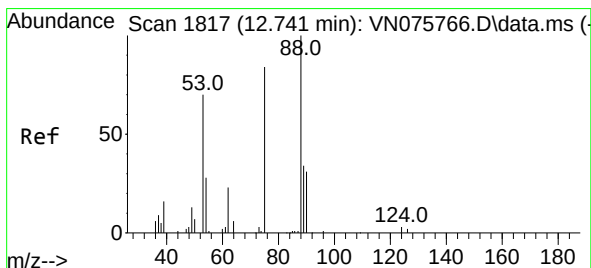
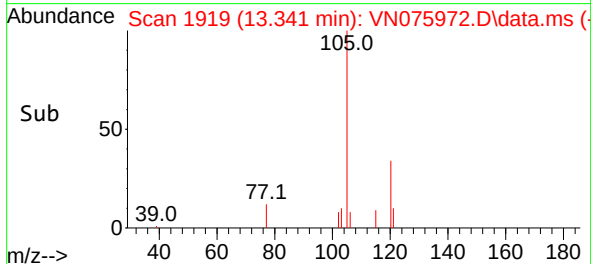
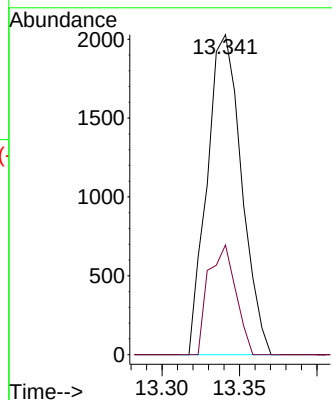
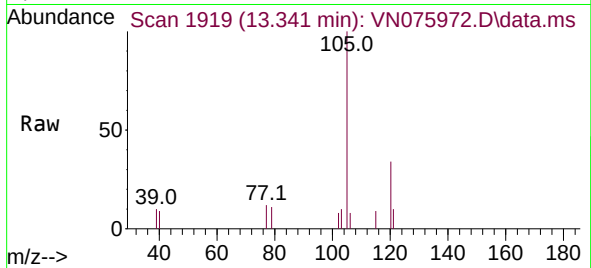




#80
 1,3,5-Trimethylbenzene
 Concen: 0.286 ug/l
 RT: 13.341 min Scan# 1891
 Delta R.T. 0.165 min
 Lab File: VN075972.D
 Acq: 23 Dec 2022 17:34

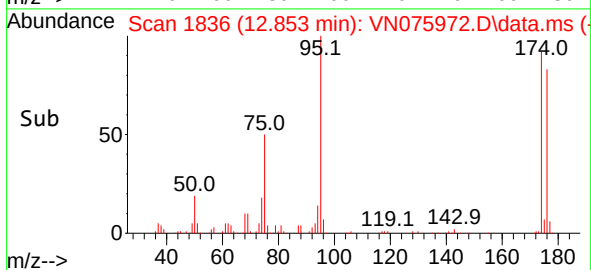
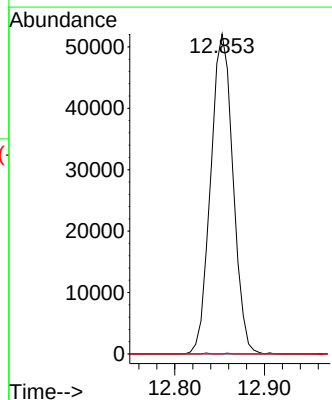
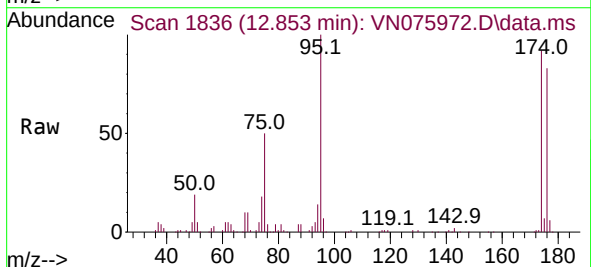
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

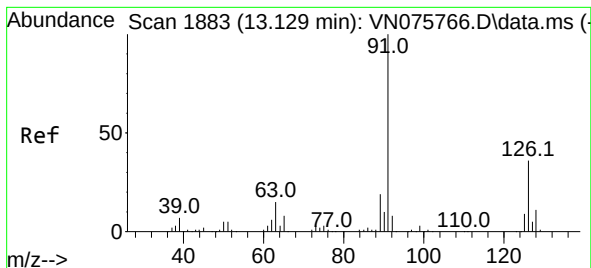
Tgt Ion:105 Resp: 3146
 Ion Ratio Lower Upper
 105 100
 120 27.1 24.7 74.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.517 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. 0.112 min
 Lab File: VN075972.D
 Acq: 23 Dec 2022 17:34

Tgt Ion: 75 Resp: 90032
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.1 39.5 59.3#

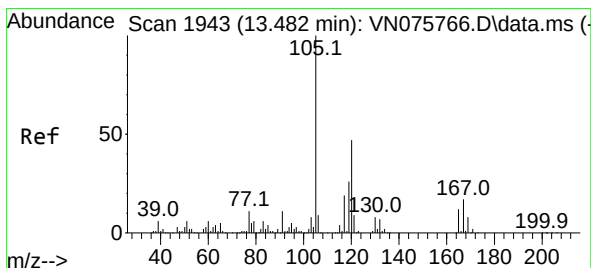
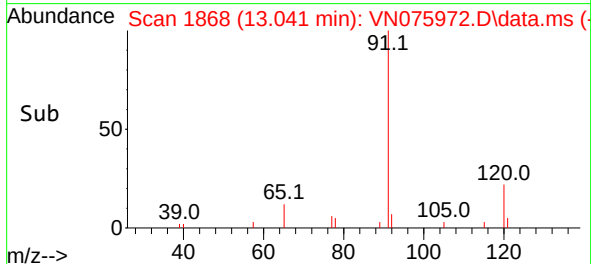
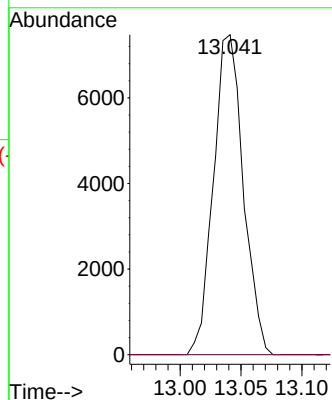
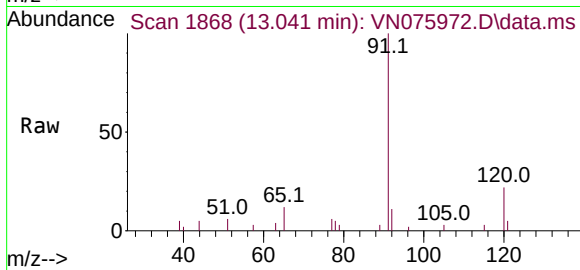




#82
4-Chlorotoluene
Concen: 1.413 ug/l
RT: 13.041 min Scan# 11
Delta R.T. -0.088 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

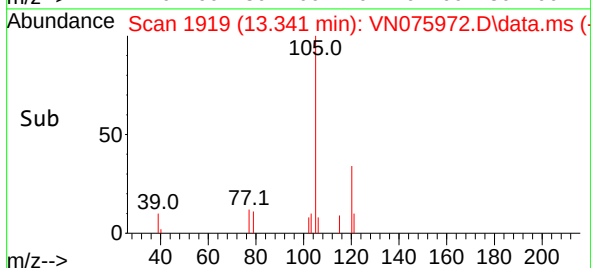
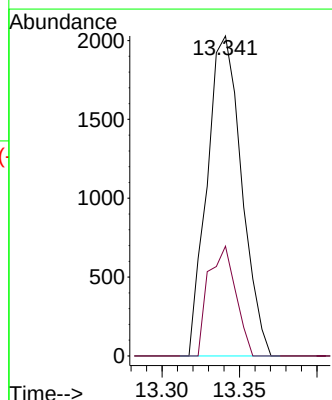
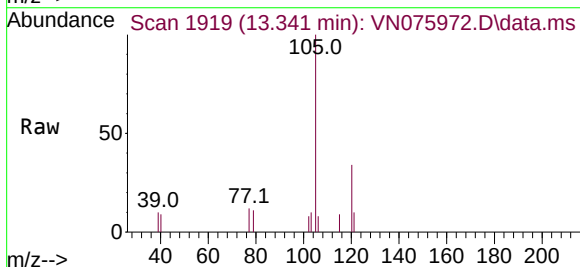
Instrument :
MSVOA_N
ClientSampleId :
MW-1

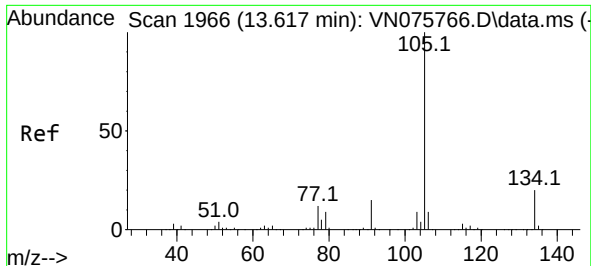
Tgt Ion: 91 Resp: 12765
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.289 ug/l
RT: 13.341 min Scan# 1919
Delta R.T. -0.141 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

Tgt Ion: 105 Resp: 3146
Ion Ratio Lower Upper
105 100
120 27.1 23.3 69.8

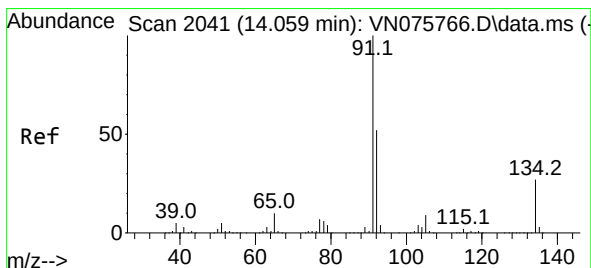
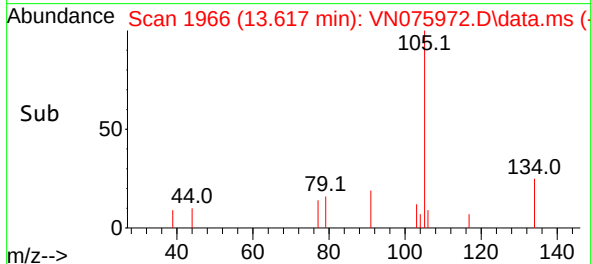
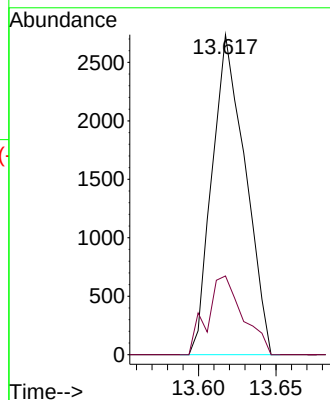
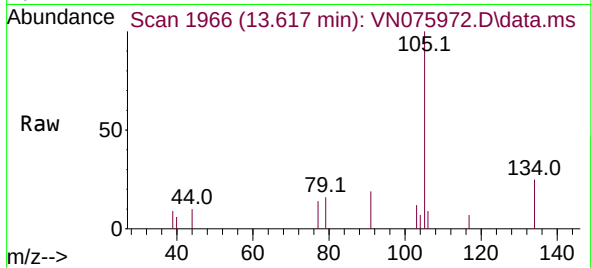




#85
 sec-Butylbenzene
 Concen: 0.304 ug/l
 RT: 13.617 min Scan# 1966
 Delta R.T. -0.000 min
 Lab File: VN075972.D
 Acq: 23 Dec 2022 17:34

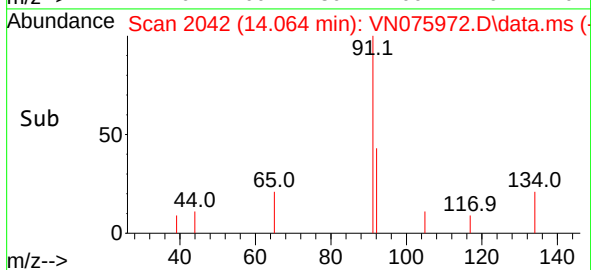
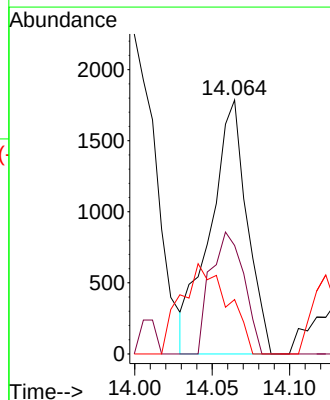
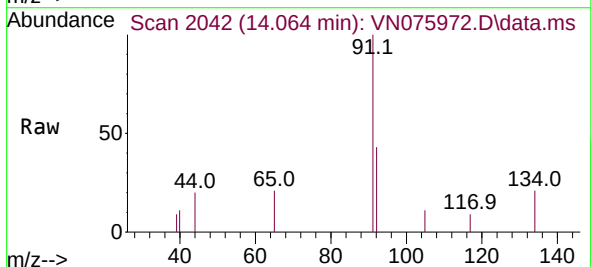
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

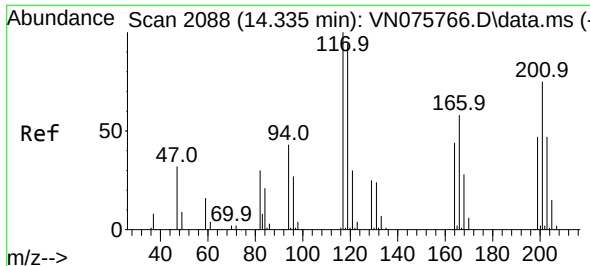
Tgt Ion:105 Resp: 4069
 Ion Ratio Lower Upper
 105 100
 134 26.5 10.1 30.1



#89
 n-Butylbenzene
 Concen: 0.327 ug/l
 RT: 14.064 min Scan# 2042
 Delta R.T. 0.006 min
 Lab File: VN075972.D
 Acq: 23 Dec 2022 17:34

Tgt Ion: 91 Resp: 2948
 Ion Ratio Lower Upper
 91 100
 92 43.5 26.4 79.2
 134 0.0 13.4 40.2#

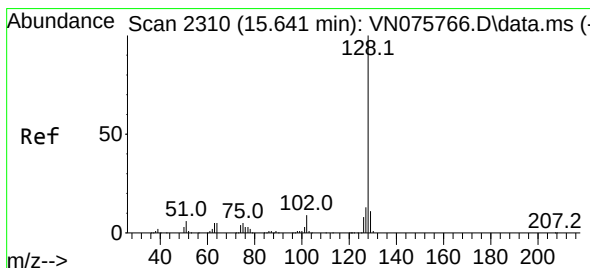
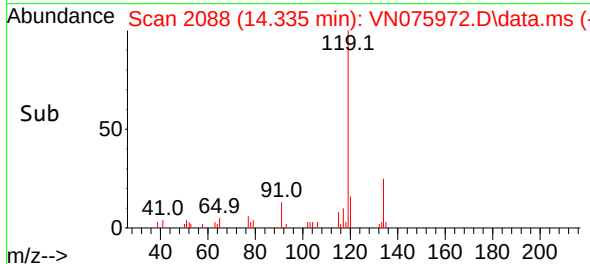
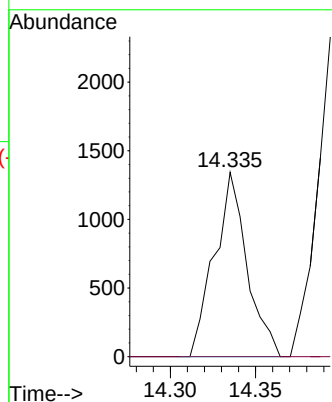
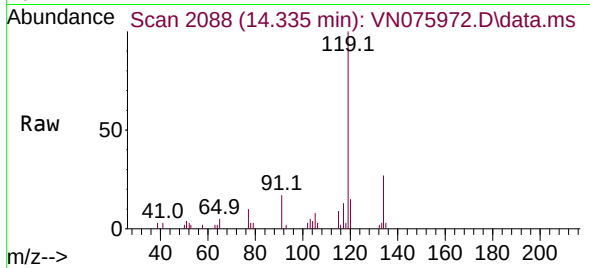




#90
Hexachloroethane
Concen: 0.901 ug/l
RT: 14.335 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:117 Resp: 1792
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.1#



#95
Naphthalene
Concen: 3.622 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075972.D
Acq: 23 Dec 2022 17:34

Tgt Ion:128 Resp: 14929
Ion Ratio Lower Upper
128 100
127 14.8 10.4 15.6
129 11.8 8.7 13.1

