

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090222\
 Data File : VN074309.D
 Acq On : 03 Sep 2022 01:03
 Operator : JC\MD
 Sample : N4355-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-34

Quant Time: Sep 03 04:43:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

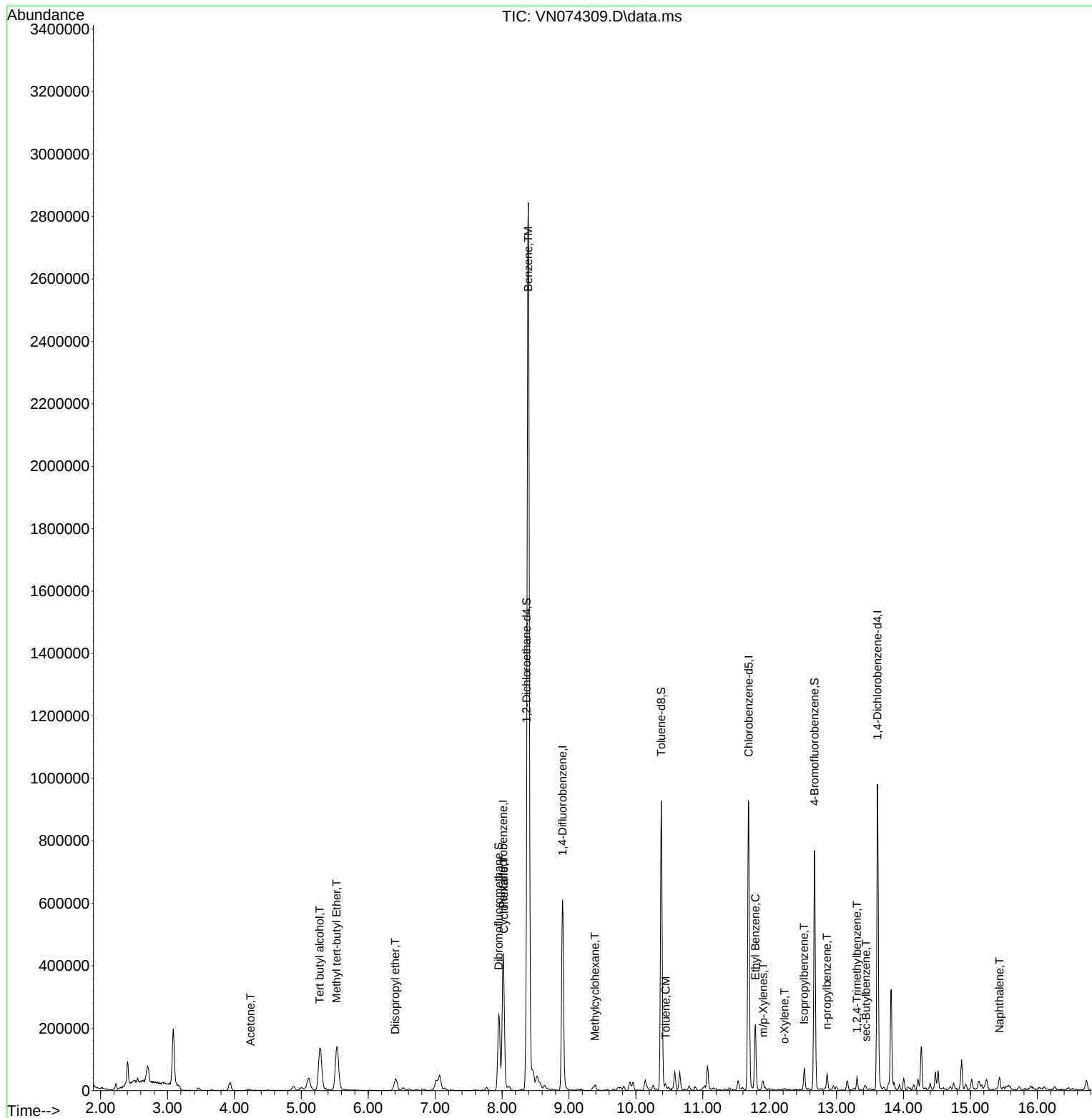
Internal Standards						
1) Pentafluorobenzene	8.016	168	290474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	538297	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	504533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	239808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	207976	45.931	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.860%		
35) Dibromofluoromethane	7.951	113	173003	48.501	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.000%		
50) Toluene-d8	10.380	98	625024	44.437	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.880%		
62) 4-Bromofluorobenzene	12.668	95	231419	45.250	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.500%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.275	59	244400	297.512	ug/l	99
16) Acetone	4.240	43	4479	2.367	ug/l #	81
19) Methyl tert-butyl Ether	5.528	73	225778	19.922	ug/l	97
22) Diisopropyl ether	6.404	45	41722	3.865	ug/l	92
31) Cyclohexane	8.028	56	31975	5.287	ug/l #	89
39) Methylcyclohexane	9.386	83	7138	1.170	ug/l #	88
40) Benzene	8.392	78	2843355	178.033	ug/l	100
52) Toluene	10.445	92	6856	0.695	ug/l	98
67) Ethyl Benzene	11.786	91	145464	7.155	ug/l	100
68) m/p-Xylenes	11.904	106	8988	1.184	ug/l	87
69) o-Xylene	12.221	106	1858	0.245	ug/l	76
73) Isopropylbenzene	12.516	105	42635	2.030	ug/l	98
78) n-propylbenzene	12.857	91	39341	1.639	ug/l	94
84) 1,2,4-Trimethylbenzene	13.304	105	19697	1.155	ug/l	94
85) sec-Butylbenzene	13.439	105	6869	0.322	ug/l #	56
95) Naphthalene	15.433	128	33374	2.657	ug/l	98

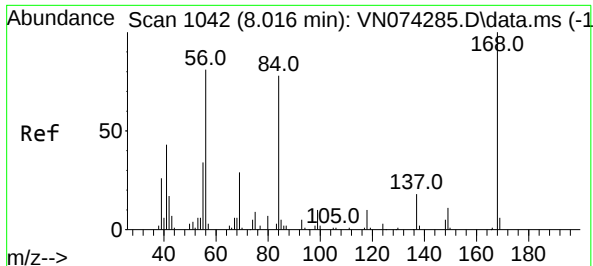
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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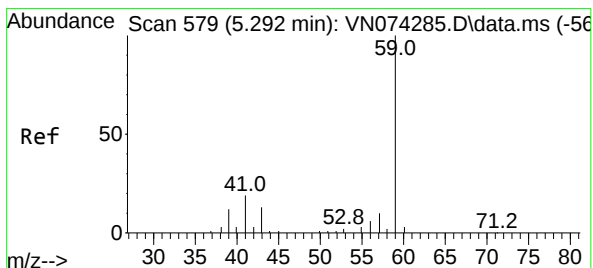
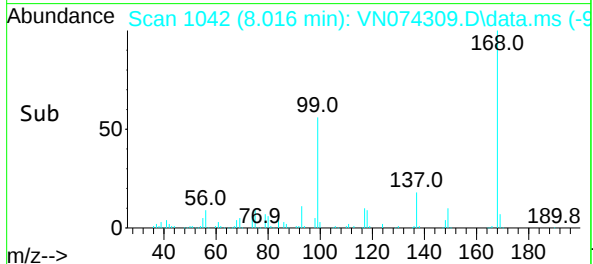
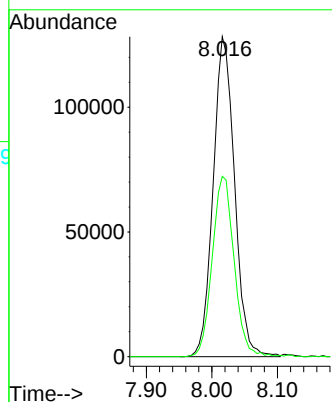
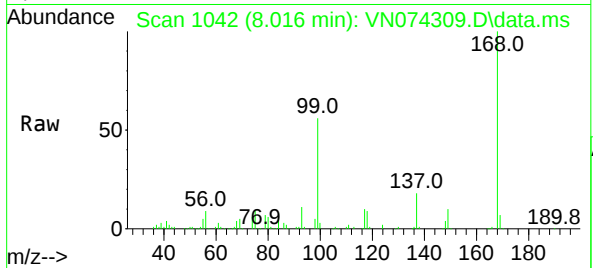




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

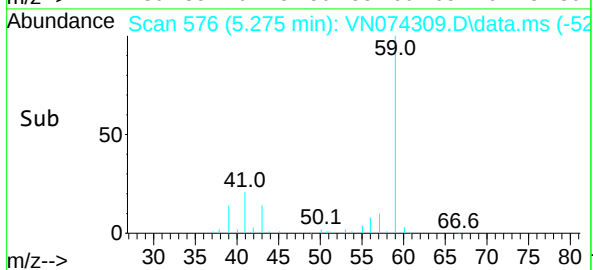
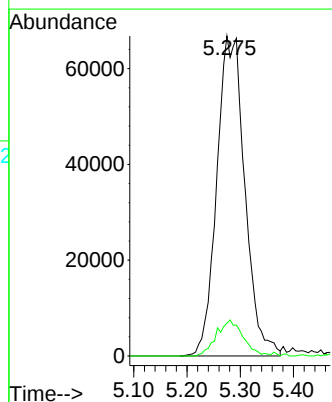
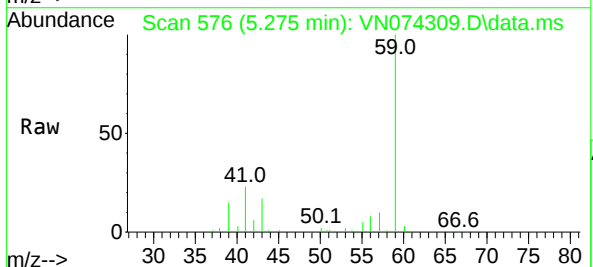
Instrument :
MSVOA_N
ClientSampleId :
MW-34

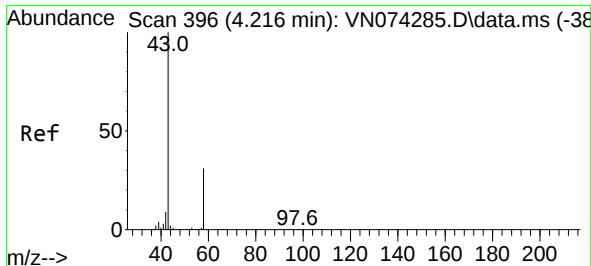
Tgt Ion:168 Resp: 290474
Ion Ratio Lower Upper
168 100
99 56.3 42.3 63.5



#11
Tert butyl alcohol
Concen: 297.512 ug/l
RT: 5.275 min Scan# 576
Delta R.T. -0.012 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

Tgt Ion: 59 Resp: 244400
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5

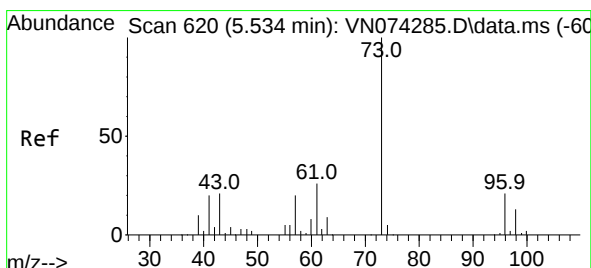
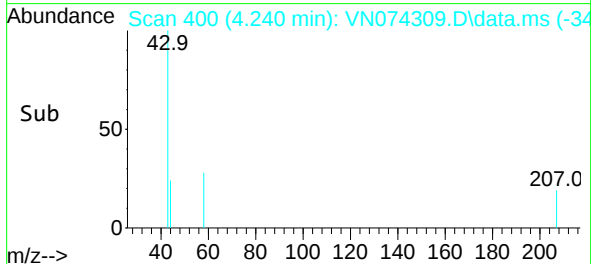
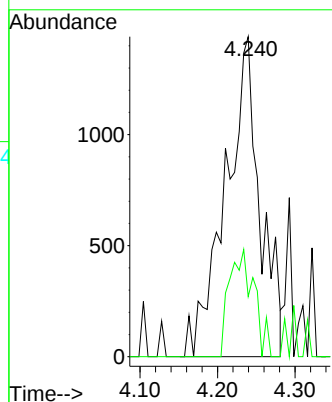
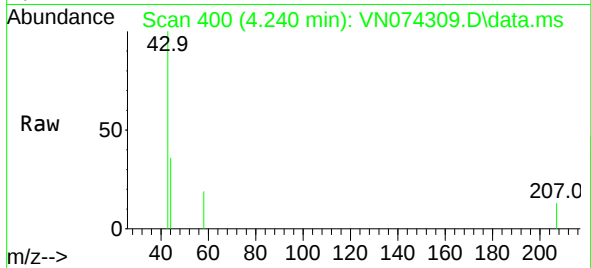




#16
Acetone
Concen: 2.367 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.018 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

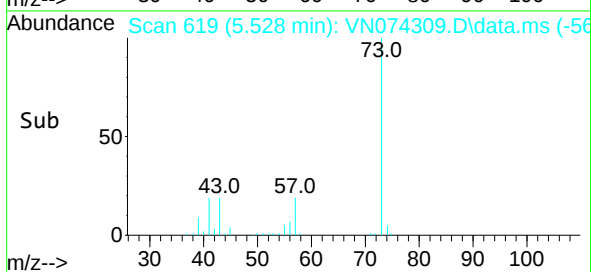
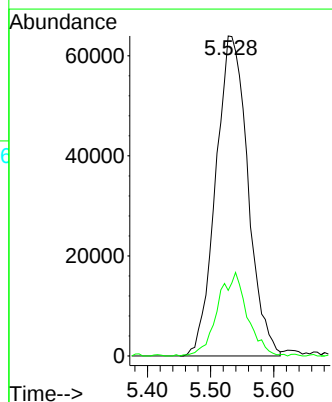
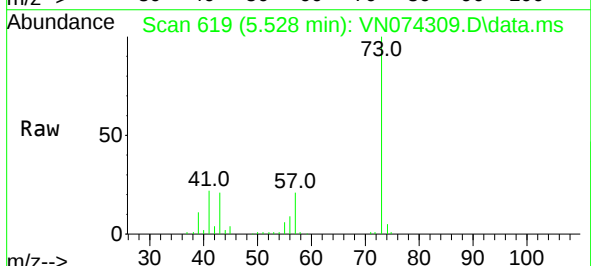
Instrument :
MSVOA_N
ClientSampleId :
MW-34

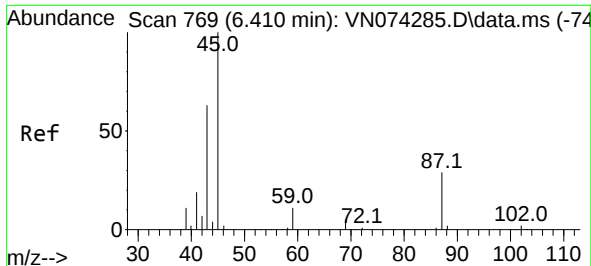
Tgt Ion: 43 Resp: 4479
Ion Ratio Lower Upper
43 100
58 22.0 26.0 39.0#



#19
Methyl tert-butyl Ether
Concen: 19.922 ug/l
RT: 5.528 min Scan# 619
Delta R.T. -0.006 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

Tgt Ion: 73 Resp: 225778
Ion Ratio Lower Upper
73 100
57 20.5 17.6 26.4

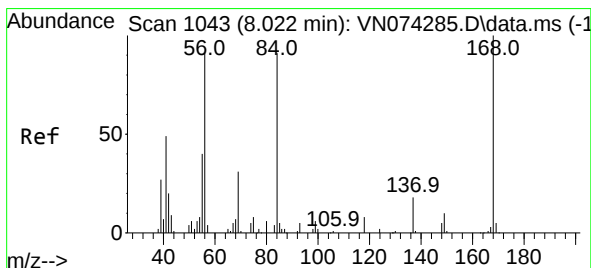
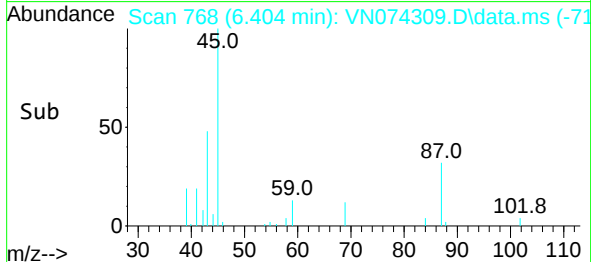
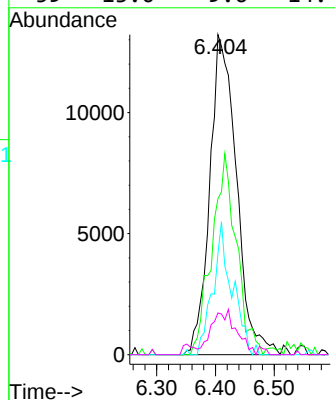
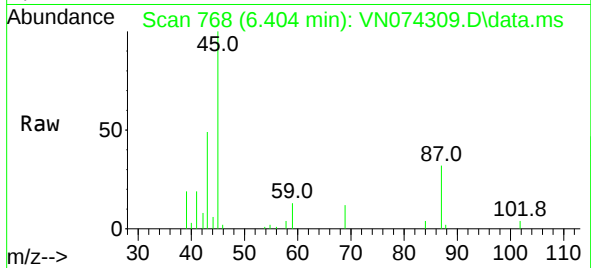




#22
Diisopropyl ether
Concen: 3.865 ug/l
RT: 6.404 min Scan# 71
Delta R.T. -0.012 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

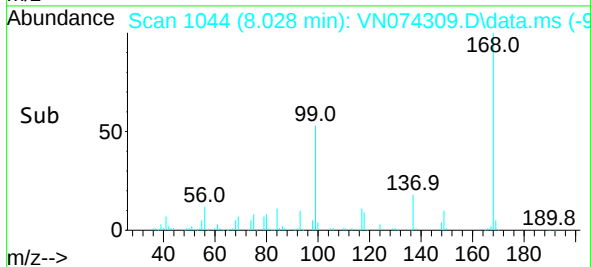
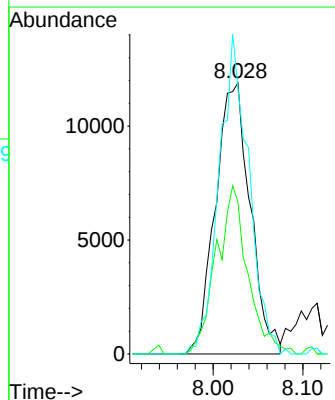
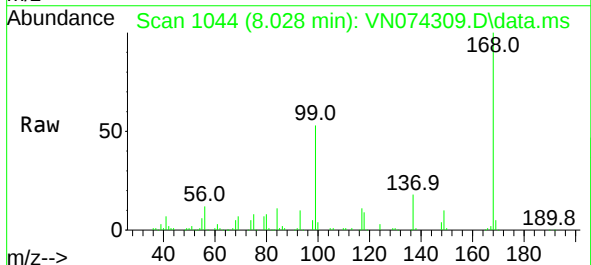
Instrument :
MSVOA_N
ClientSampleId :
MW-34

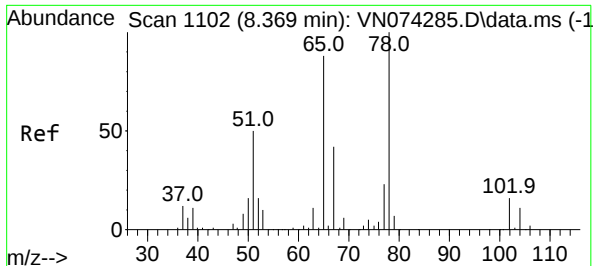
Tgt Ion: 45	Resp: 41722
Ion Ratio	Lower Upper
45 100	
43 48.8	46.6 70.0
87 31.7	24.3 36.5
59 13.0	9.6 14.4



#31
Cyclohexane
Concen: 5.287 ug/l
RT: 8.028 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

Tgt Ion: 56	Resp: 31975
Ion Ratio	Lower Upper
56 100	
69 56.1	27.8 41.8#
84 98.0	76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 45.931 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074309.D

Acq: 03 Sep 2022 01:03

Instrument :

MSVOA_N

ClientSampleId :

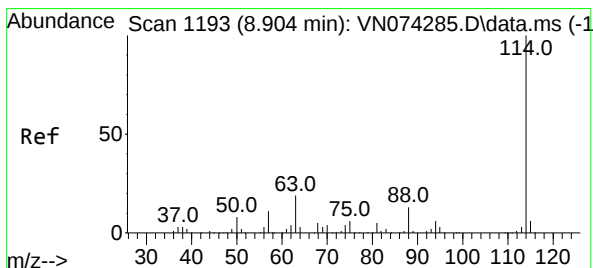
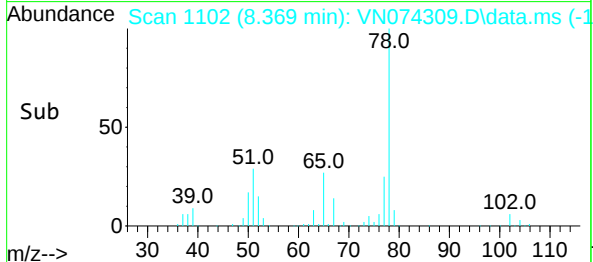
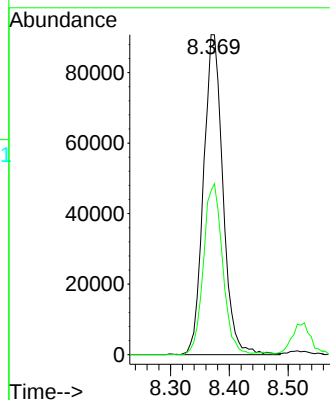
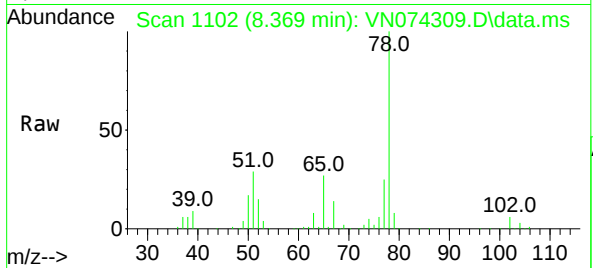
MW-34

Tgt Ion: 65 Resp: 207976

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074309.D

Acq: 03 Sep 2022 01:03

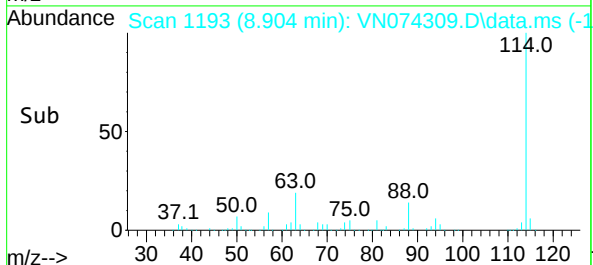
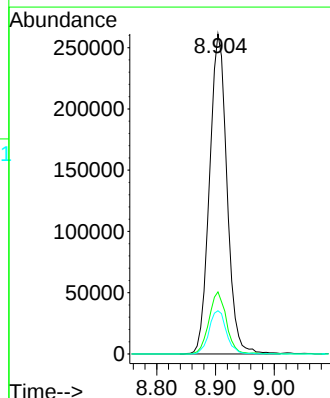
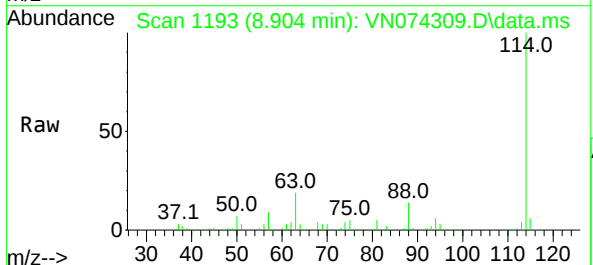
Tgt Ion: 114 Resp: 538297

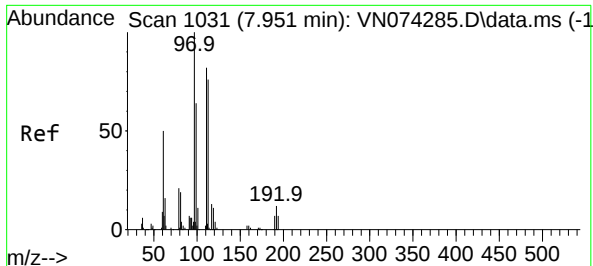
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 13.5 0.0 32.6

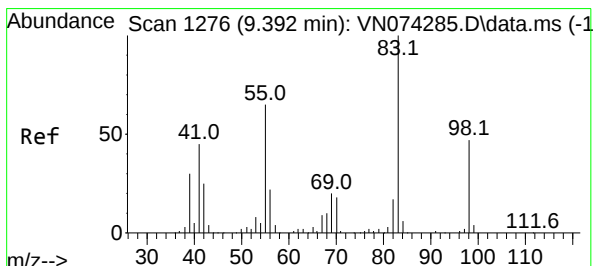
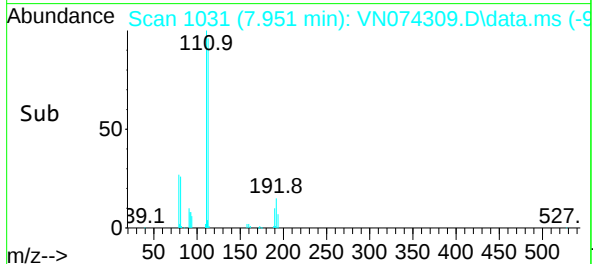
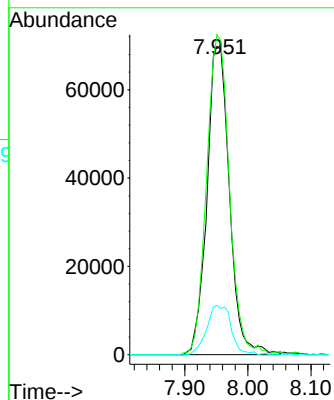
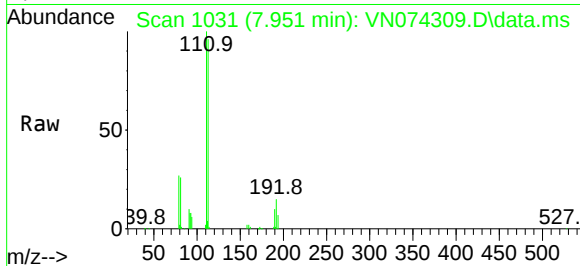




#35
Dibromofluoromethane
Concen: 48.501 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

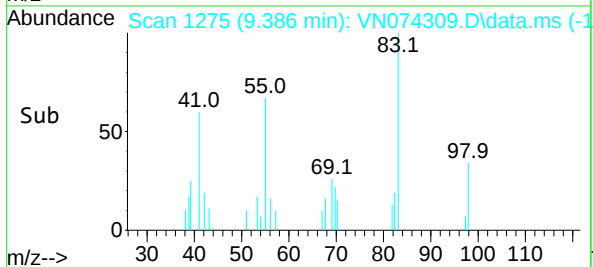
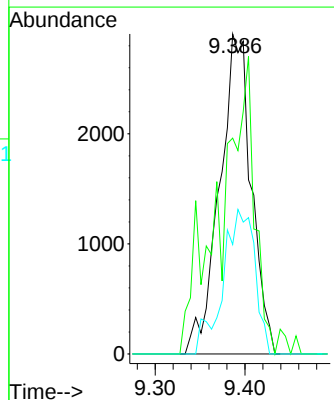
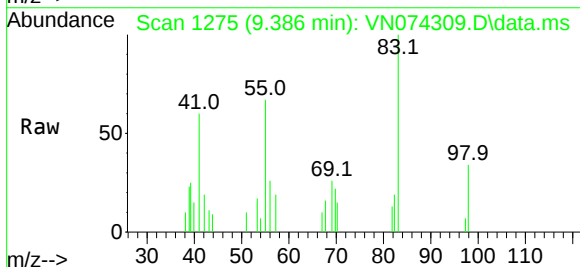
Instrument :
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ClientSampleId :
MW-34

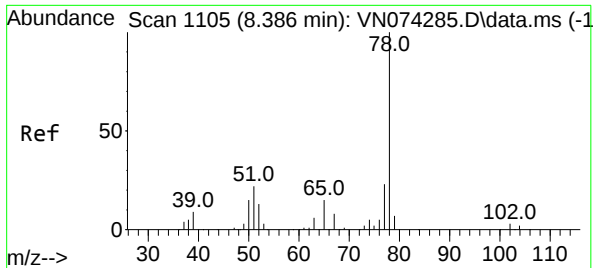
Tgt Ion:113 Resp: 173003
Ion Ratio Lower Upper
113 100
111 104.8 81.4 122.0
192 17.3 17.0 25.6



#39
Methylcyclohexane
Concen: 1.170 ug/l
RT: 9.386 min Scan# 1275
Delta R.T. -0.006 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

Tgt Ion: 83 Resp: 7138
Ion Ratio Lower Upper
83 100
55 67.5 57.8 86.8
98 34.2 39.4 59.2#

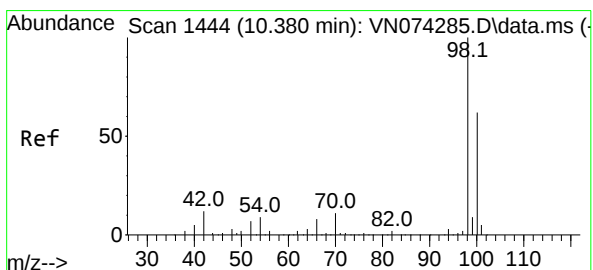
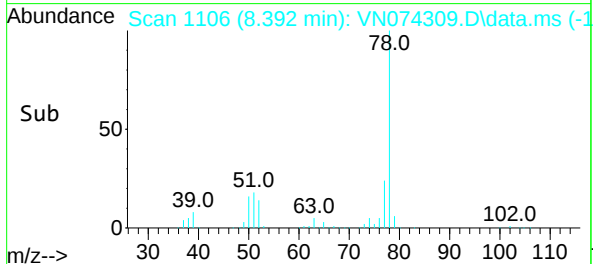
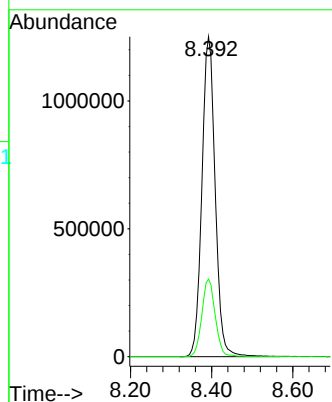
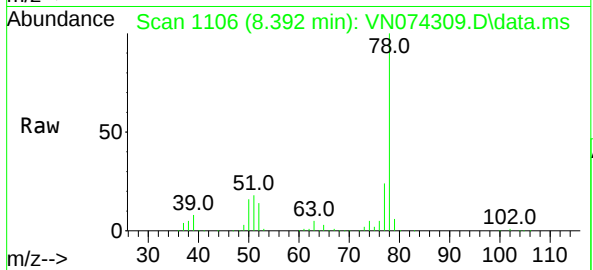




#40
Benzene
Concen: 178.033 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

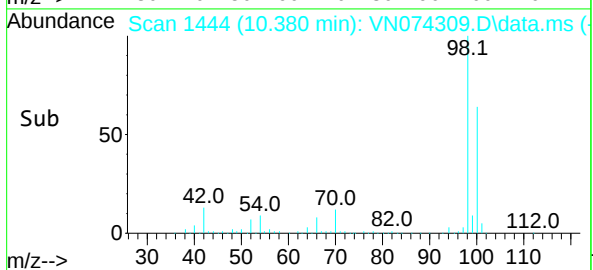
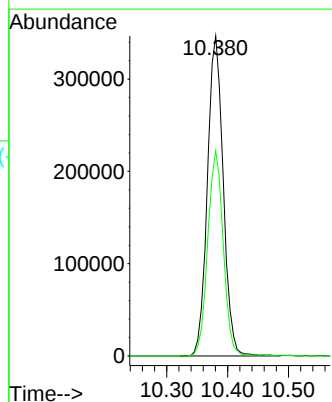
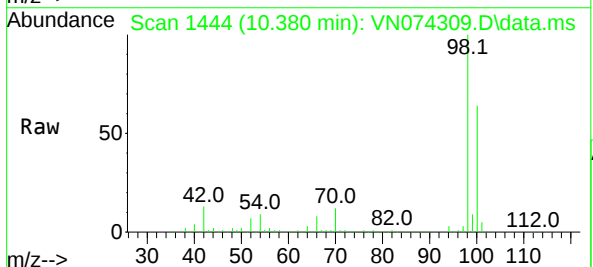
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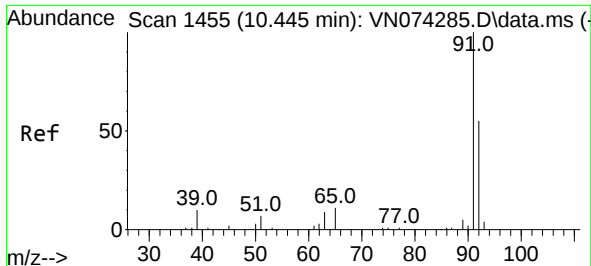
Tgt Ion: 78 Resp: 2843355
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.0



#50
Toluene-d8
Concen: 44.437 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

Tgt Ion: 98 Resp: 625024
Ion Ratio Lower Upper
98 100
100 63.0 52.6 78.8

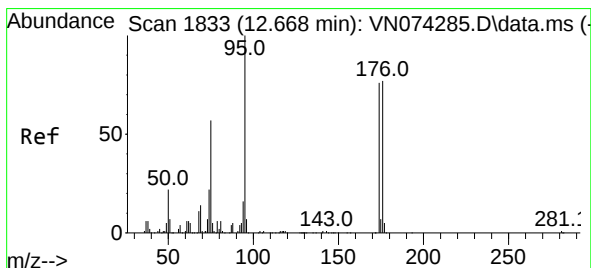
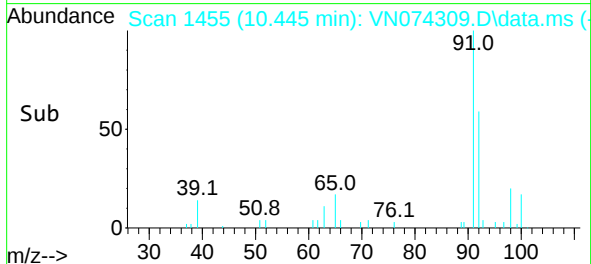
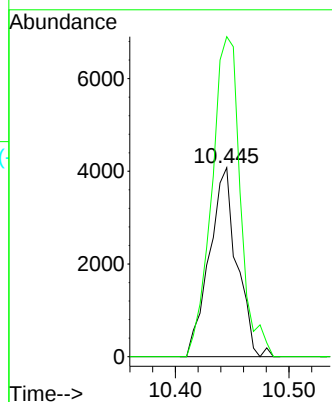
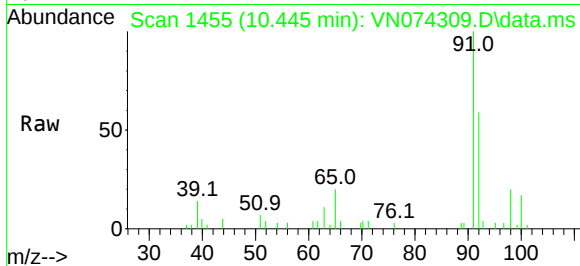




#52
Toluene
Concen: 0.695 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

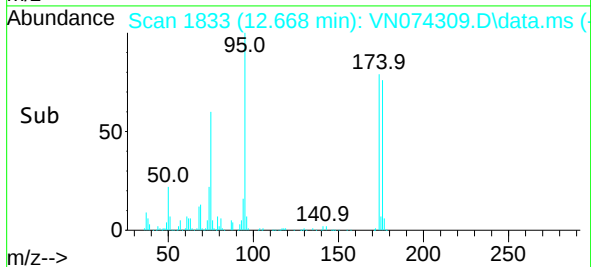
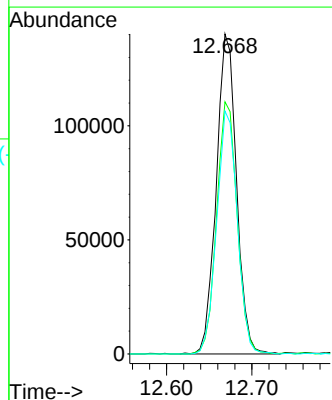
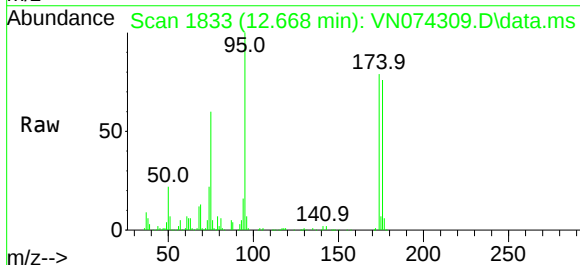
Instrument :
MSVOA_N
ClientSampleId :
MW-34

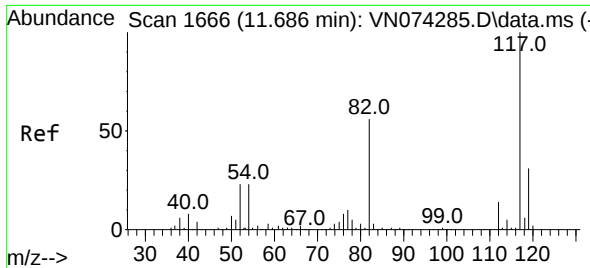
Tgt Ion: 92 Resp: 6856
Ion Ratio Lower Upper
92 100
91 176.1 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 45.250 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

Tgt Ion: 95 Resp: 231419
Ion Ratio Lower Upper
95 100
174 79.9 0.0 167.6
176 77.0 0.0 163.4

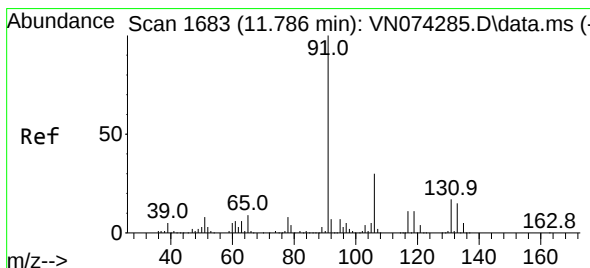
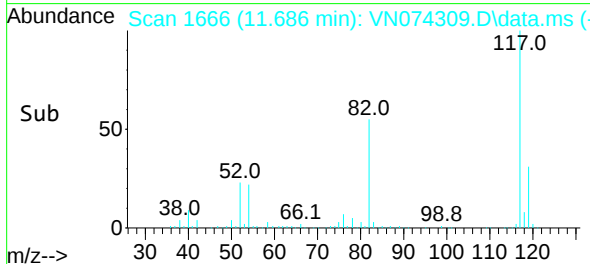
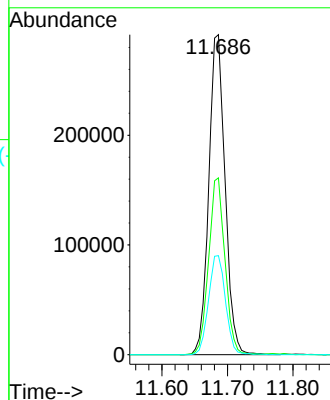
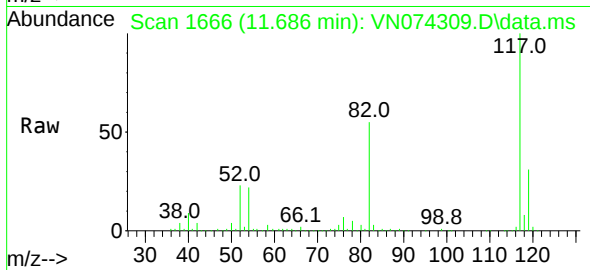




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

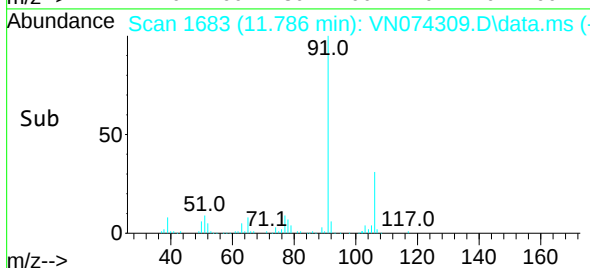
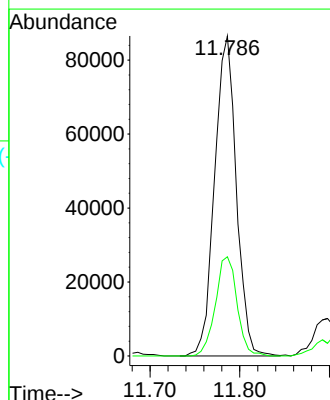
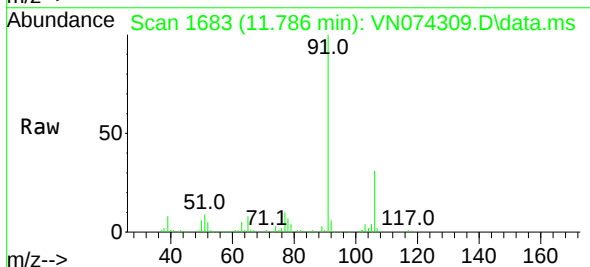
Instrument :
MSVOA_N
ClientSampleId :
MW-34

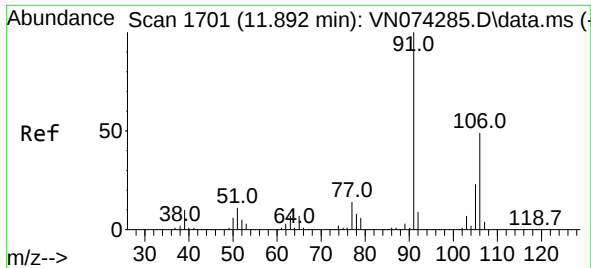
Tgt Ion:117 Resp: 504533
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.0 25.4 38.0



#67
Ethyl Benzene
Concen: 7.155 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

Tgt Ion: 91 Resp: 145464
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3

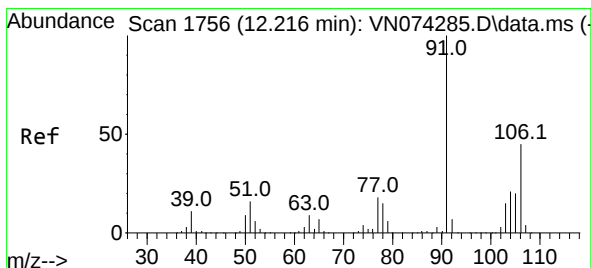
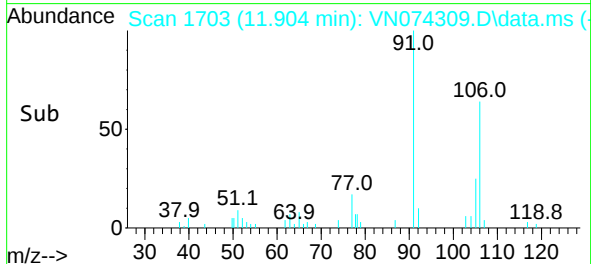
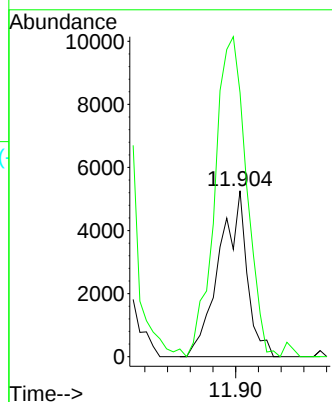
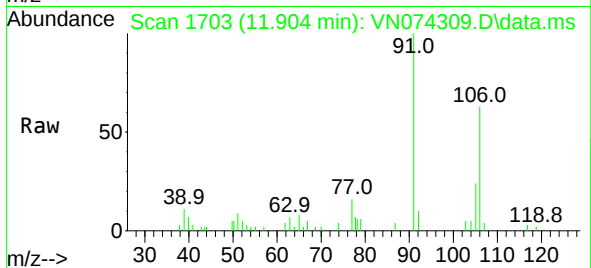




#68
m/p-Xylenes
Concen: 1.184 ug/l
RT: 11.904 min Scan# 1703
Delta R.T. 0.012 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

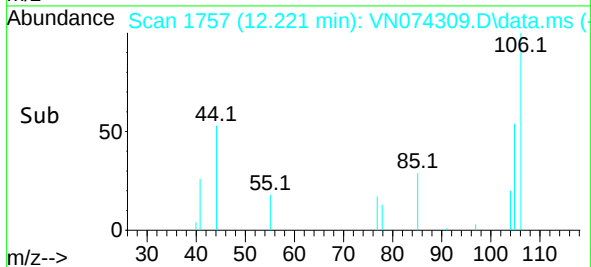
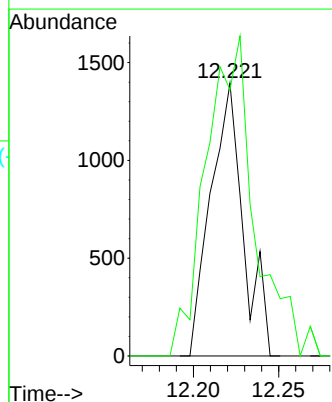
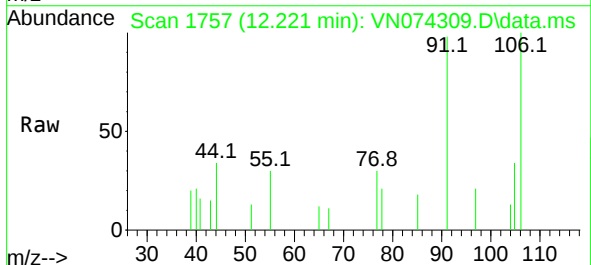
Instrument :
MSVOA_N
ClientSampleId :
MW-34

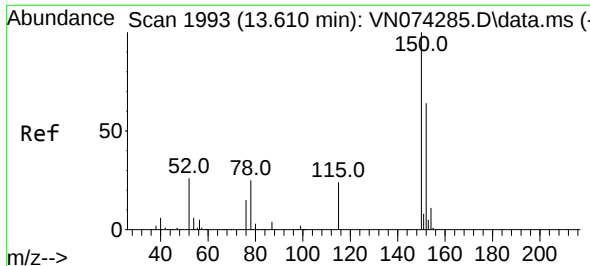
Tgt Ion:106 Resp: 8988
Ion Ratio Lower Upper
106 100
91 217.9 158.9 238.3



#69
o-Xylene
Concen: 0.245 ug/l
RT: 12.221 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

Tgt Ion:106 Resp: 1858
Ion Ratio Lower Upper
106 100
91 174.9 106.0 318.0

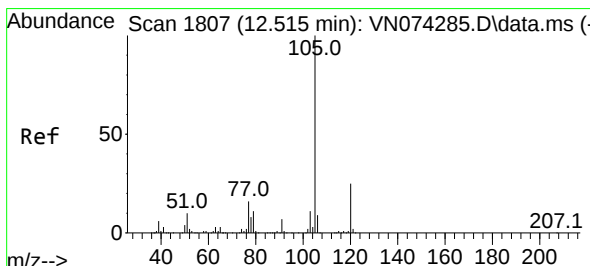
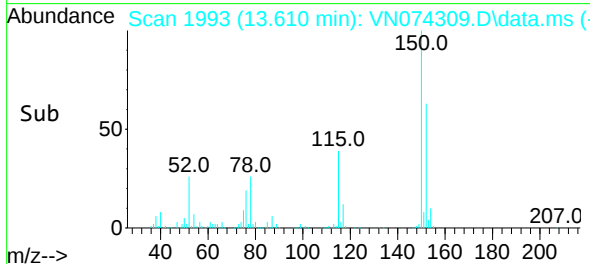
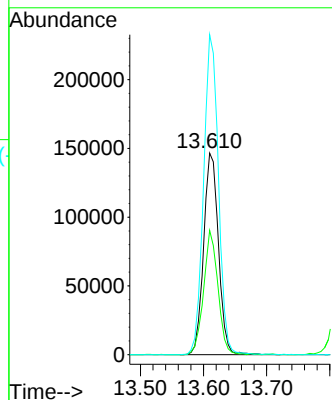
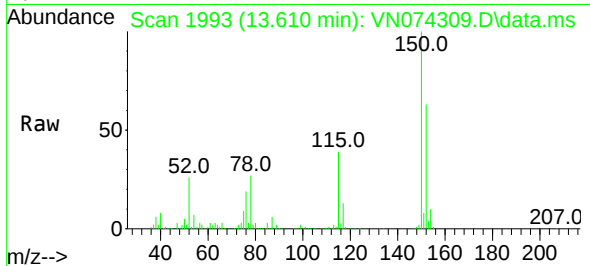




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

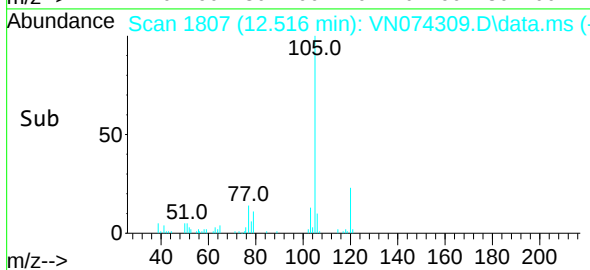
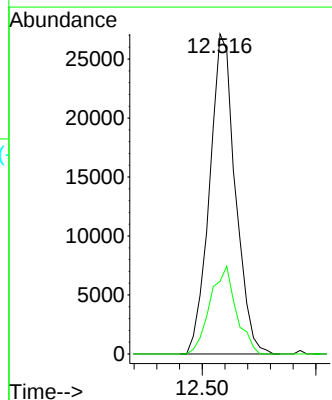
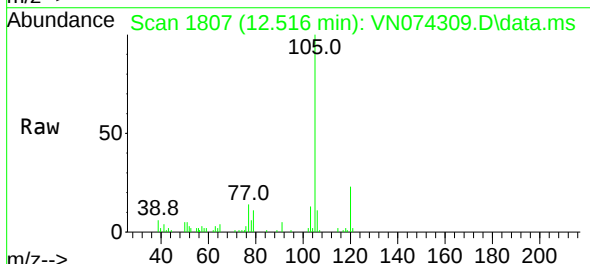
Instrument :
MSVOA_N
ClientSampleId :
MW-34

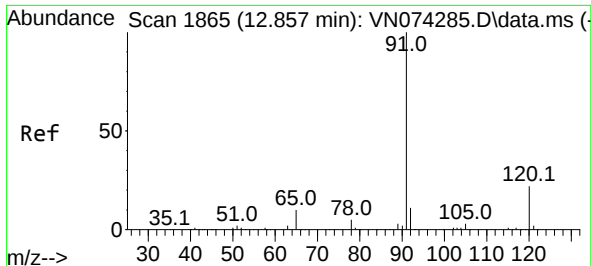
Tgt Ion:152 Resp: 239808
Ion Ratio Lower Upper
152 100
115 59.4 28.9 86.7
150 158.5 0.0 356.2



#73
Isopropylbenzene
Concen: 2.030 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

Tgt Ion:105 Resp: 42635
Ion Ratio Lower Upper
105 100
120 27.7 13.5 40.4

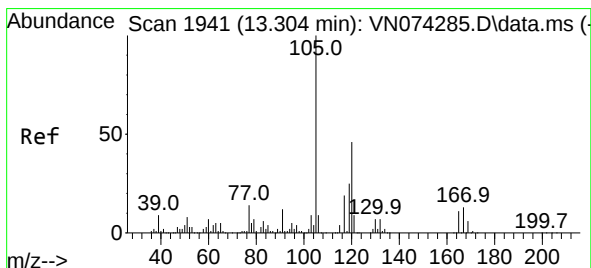
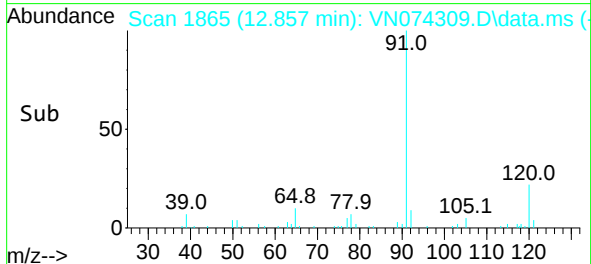
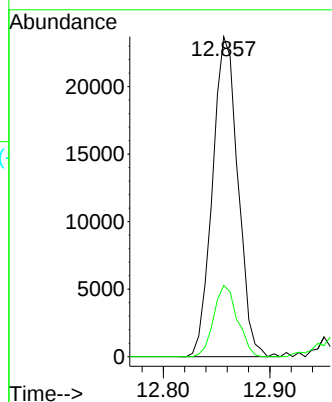
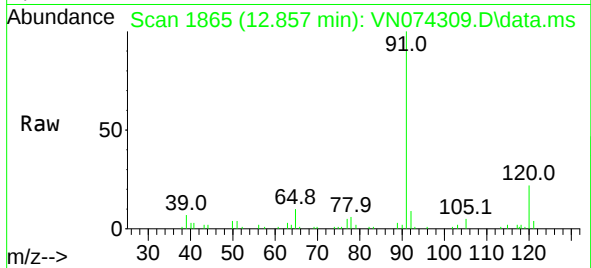




#78
n-propylbenzene
Concen: 1.639 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

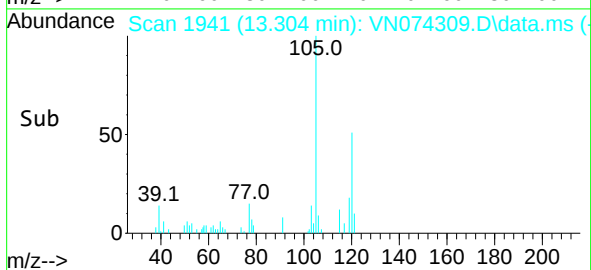
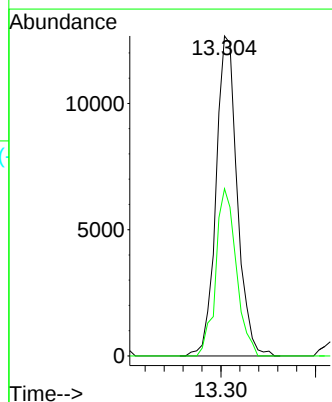
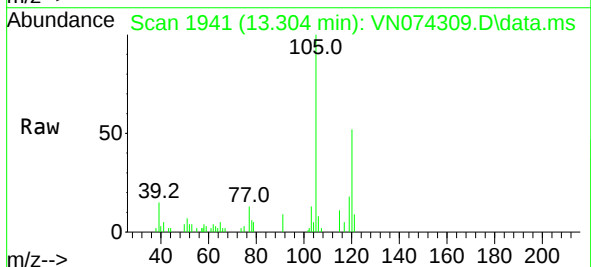
Instrument :
MSVOA_N
ClientSampleId :
MW-34

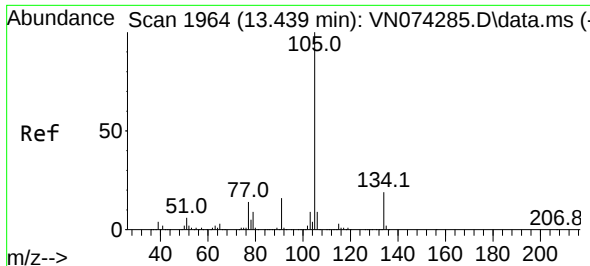
Tgt Ion: 91 Resp: 39341
Ion Ratio Lower Upper
91 100
120 20.6 11.9 35.5



#84
1,2,4-Trimethylbenzene
Concen: 1.155 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.006 min
Lab File: VN074309.D
Acq: 03 Sep 2022 01:03

Tgt Ion: 105 Resp: 19697
Ion Ratio Lower Upper
105 100
120 50.4 23.3 69.8

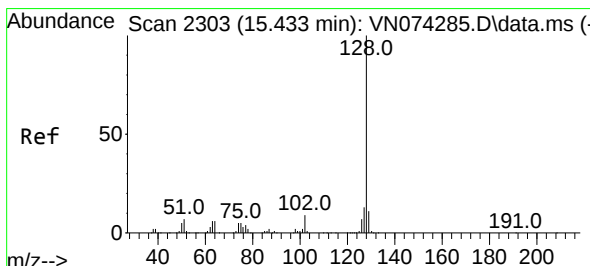
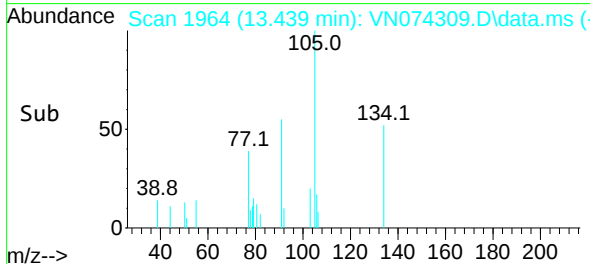
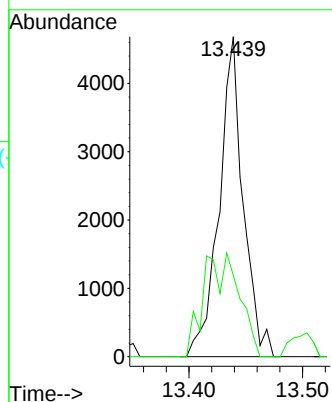
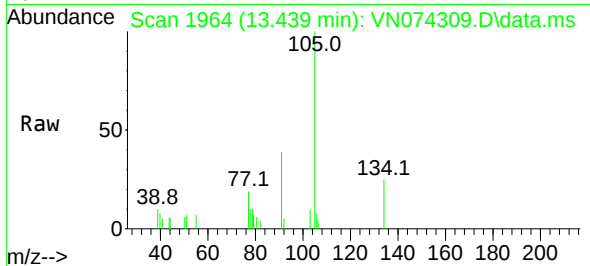




#85
 sec-Butylbenzene
 Concen: 0.322 ug/l
 RT: 13.439 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VN074309.D
 Acq: 03 Sep 2022 01:03

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-34

Tgt Ion:105 Resp: 6869
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#95
 Naphthalene
 Concen: 2.657 ug/l
 RT: 15.433 min Scan# 2303
 Delta R.T. 0.000 min
 Lab File: VN074309.D
 Acq: 03 Sep 2022 01:03

Tgt Ion:128 Resp: 33374
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.3 15.5
 129 12.2 8.6 13.0

