

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010623\
 Data File : VN076142.D
 Acq On : 06 Jan 2023 18:36
 Operator : JC\MD
 Sample : 01066-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER-1

Quant Time: Jan 06 22:57:52 2023
 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

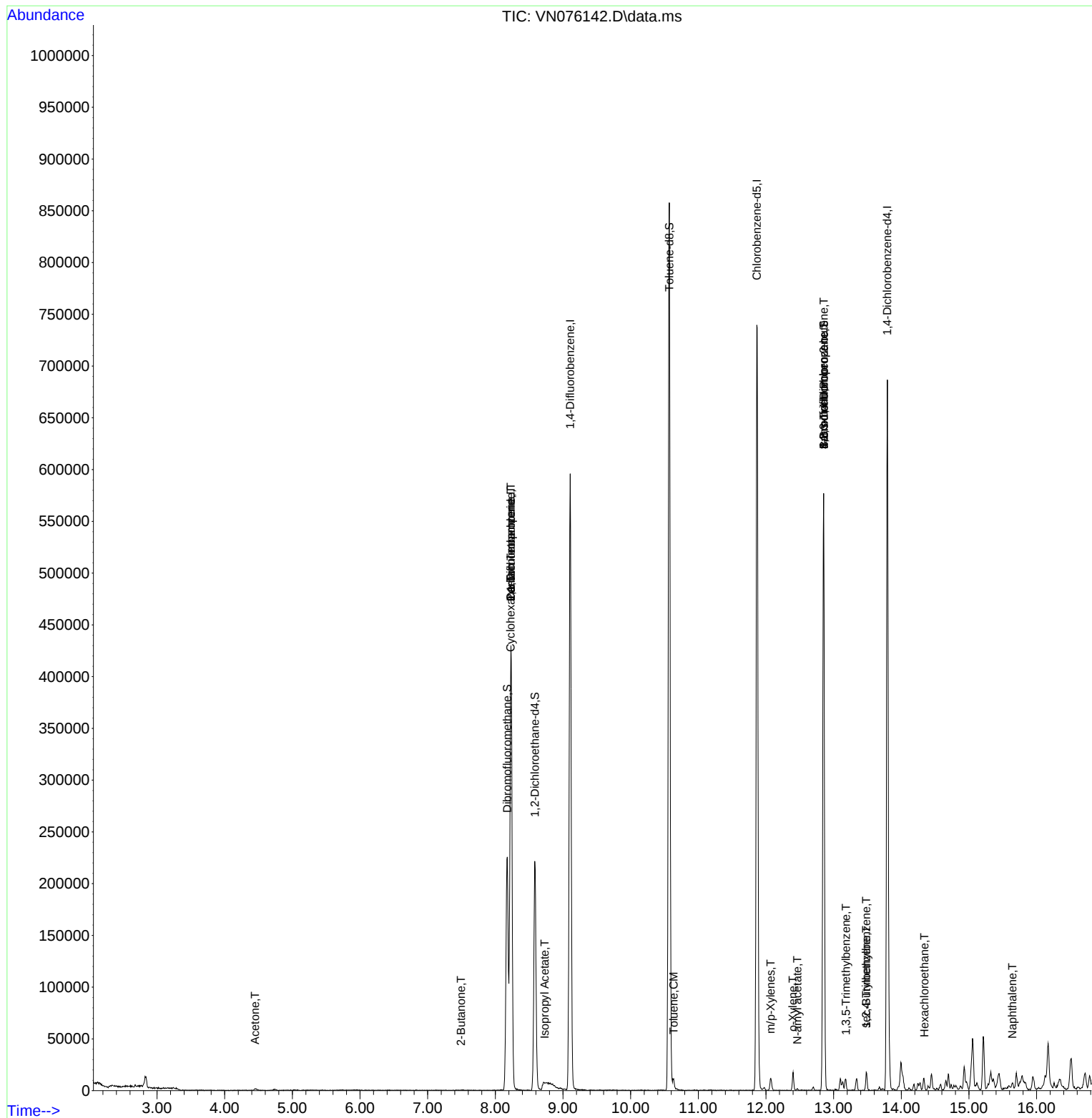
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	336635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	537499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	462098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	191866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	177348	48.426	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.860%		
35) Dibromofluoromethane	8.177	113	161697	48.577	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.160%		
50) Toluene-d8	10.571	98	616805	49.561	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.120%		
62) 4-Bromofluorobenzene	12.853	95	189849	46.057	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.120%		
Target Compounds						
					Qvalue	
16) Acetone	4.448	43	2826	2.238	ug/l	91
20) Methylene Chloride	5.300	84	77	Below Cal	#	12
25) 2-Butanone	7.494	43	602	0.341	ug/l #	40
31) Cyclohexane	8.224	56	6585	1.255	ug/l #	32
36) 1,1-Dichloropropene	8.230	75	23861	5.396	ug/l #	48
38) Carbon Tetrachloride	8.230	117	32851	6.638	ug/l #	18
43) Isopropyl Acetate	8.730	43	6580	1.123	ug/l #	50
52) Toluene	10.635	92	4512	0.508	ug/l	93
68) m/p-Xylenes	12.071	106	4506	0.711	ug/l	86
69) o-Xylene	12.394	106	4754	0.758	ug/l	93
71) Bromoform	12.853	173	1707	0.668	ug/l #	1
74) N-amyl acetate	12.465	43	1033	0.254	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	96669	24.995	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.182	105	5797	0.500	ug/l	85
81) trans-1,4-Dichloro-2-b...	12.853	75	96669	89.969	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.482	105	10634	0.924	ug/l	93
85) sec-Butylbenzene	13.482	105	10634	0.753	ug/l #	56
90) Hexachloroethane	14.341	117	882	0.420	ug/l #	11
95) Naphthalene	15.641	128	5968	2.724	ug/l	98

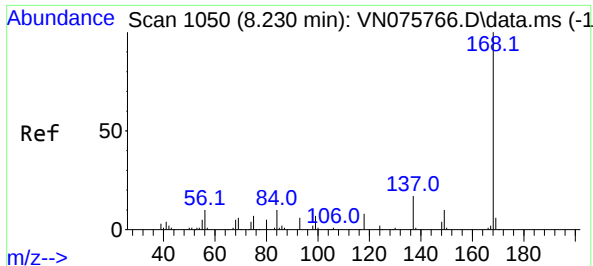
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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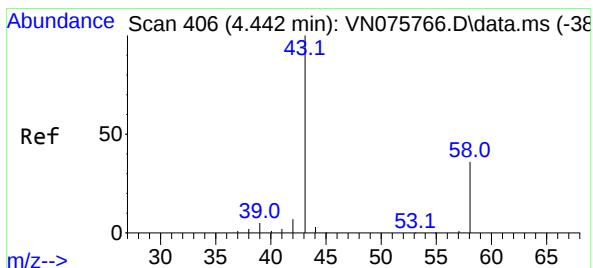
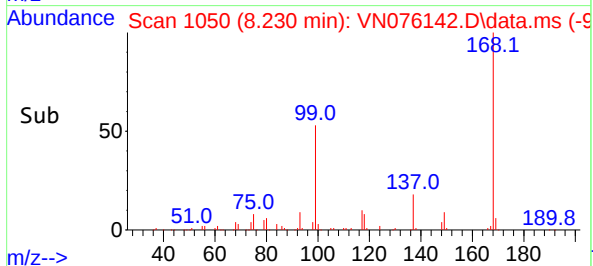
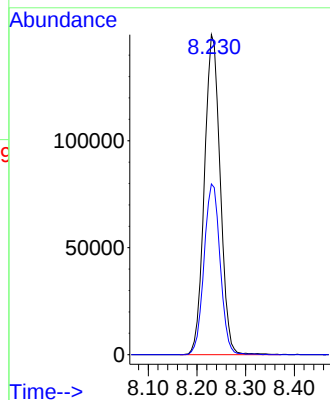
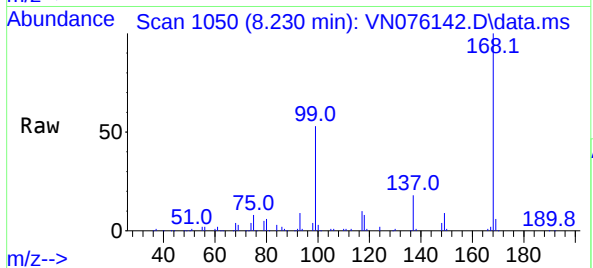




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

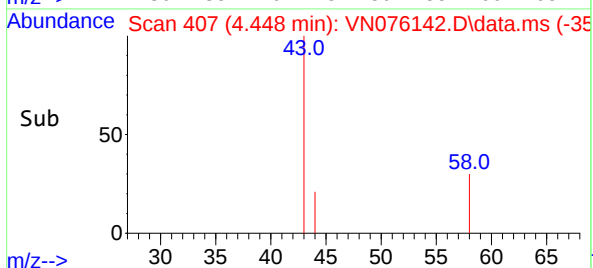
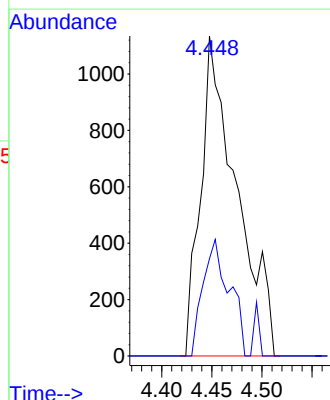
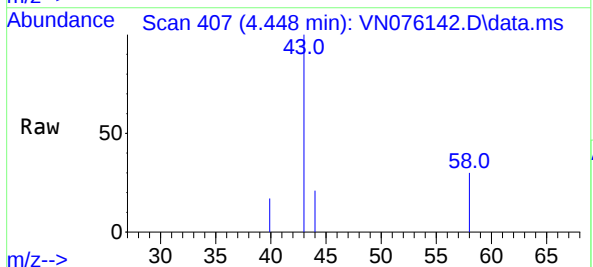
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-1

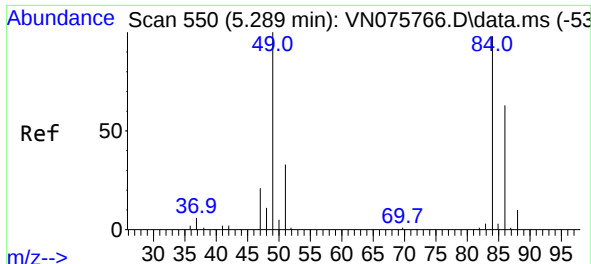
Tgt Ion:168 Resp: 336635
Ion Ratio Lower Upper
168 100
99 53.4 44.2 66.4



#16
Acetone
Concen: 2.238 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

Tgt Ion: 43 Resp: 2826
Ion Ratio Lower Upper
43 100
58 30.4 28.6 43.0

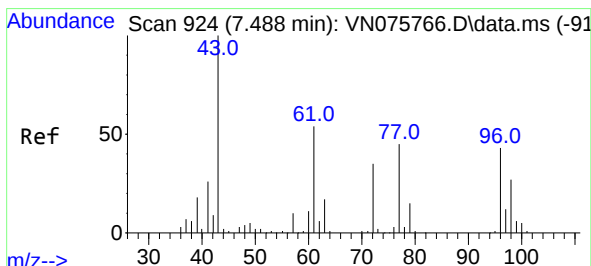
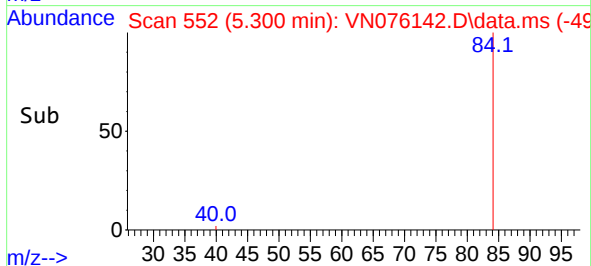
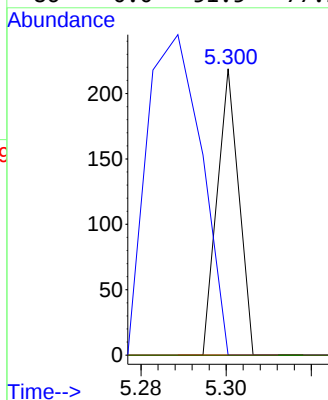
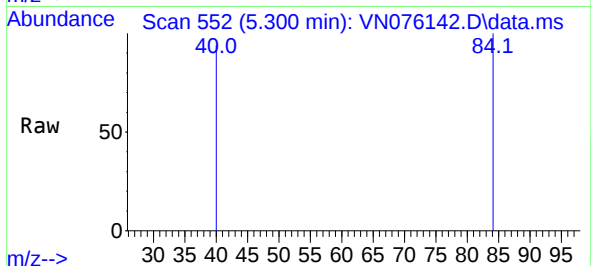




#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

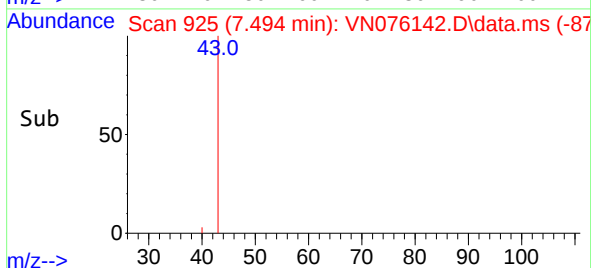
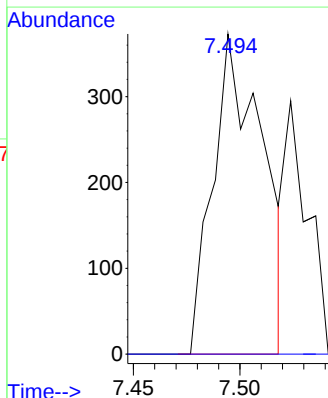
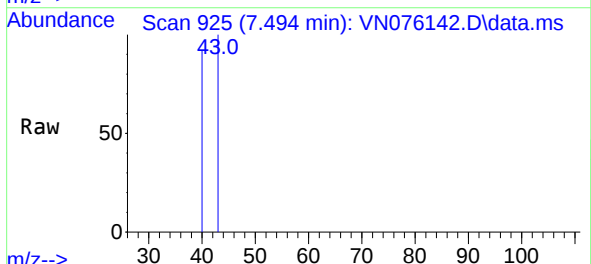
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-1

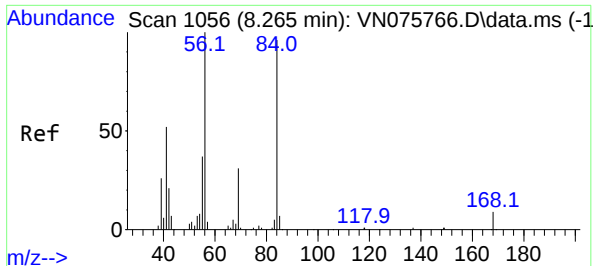
Tgt Ion: 84	Resp:	77
Ion	Ratio	Lower Upper
84	100	
49	0.0	81.8 122.6#
51	0.0	26.7 40.1#
86	0.0	51.5 77.3#



#25
2-Butanone
Concen: 0.341 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

Tgt Ion: 43	Resp:	602	
Ion	Ratio	Lower	Upper
43	100		
72	0.0	28.0	42.0#

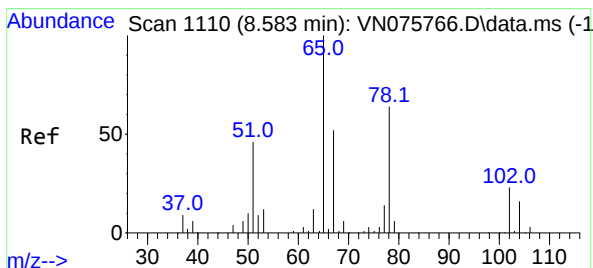
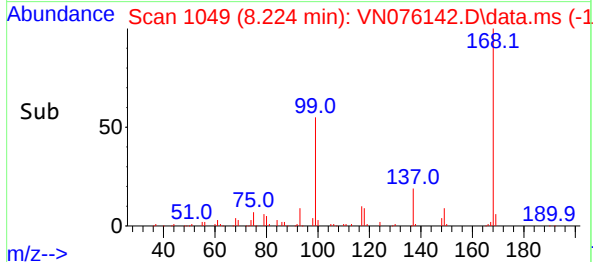
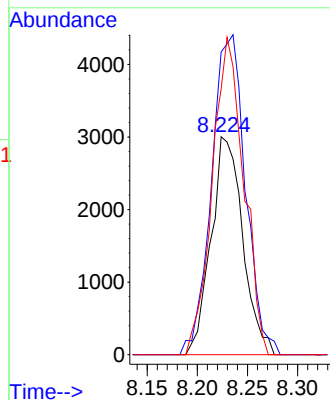
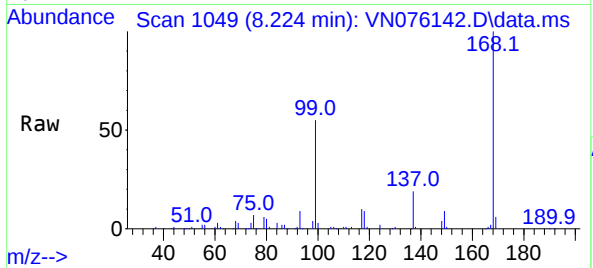




#31
Cyclohexane
Concen: 1.255 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.041 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

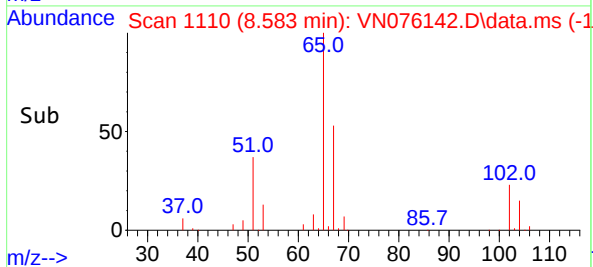
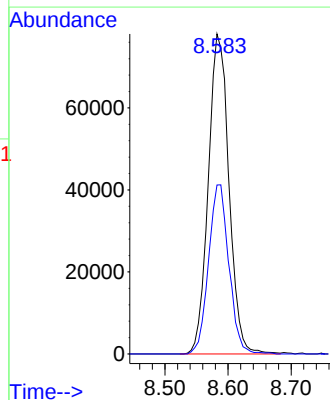
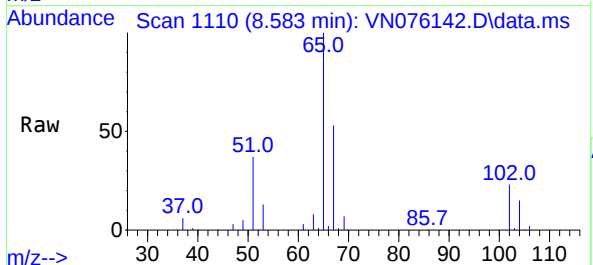
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-1

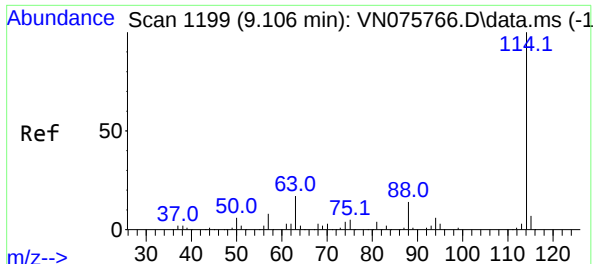
Tgt Ion: 56 Resp: 6585
Ion Ratio Lower Upper
56 100
69 138.8 24.7 37.1#
84 122.0 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 48.426 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

Tgt Ion: 65 Resp: 177348
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

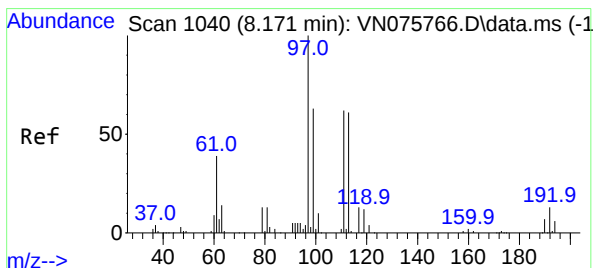
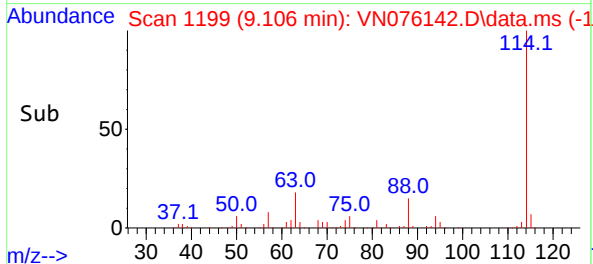
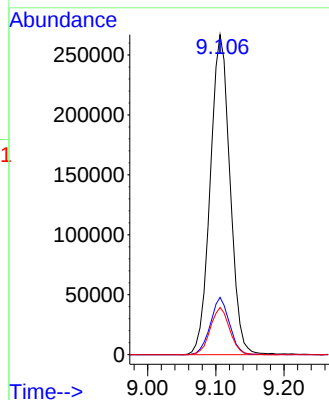
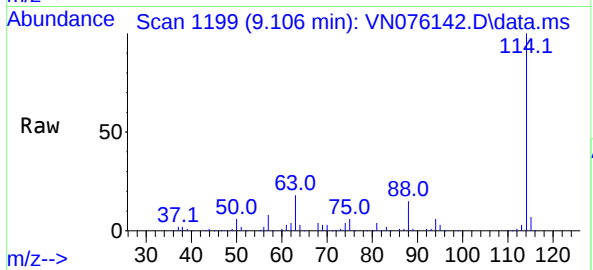




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

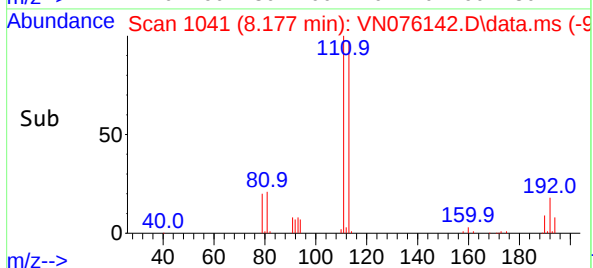
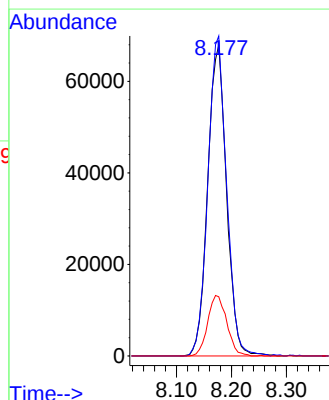
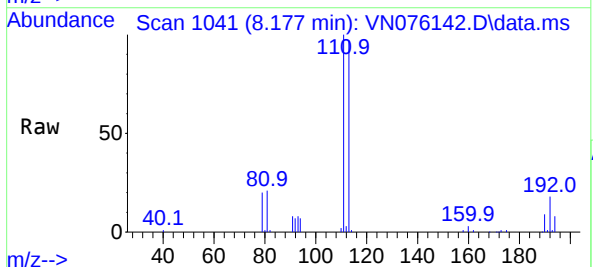
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-1

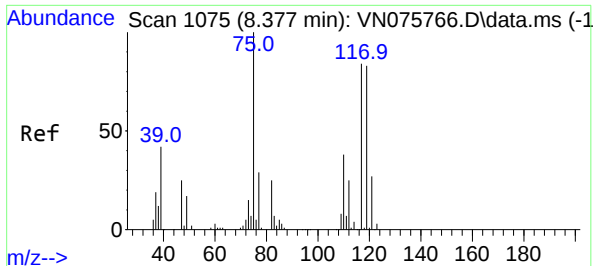
Tgt Ion:114 Resp: 537499
Ion Ratio Lower Upper
114 100
63 17.9 0.0 34.4
88 14.7 0.0 28.8



#35
Dibromofluoromethane
Concen: 48.577 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

Tgt Ion:113 Resp: 161697
Ion Ratio Lower Upper
113 100
111 102.1 83.4 125.2
192 19.7 16.1 24.1

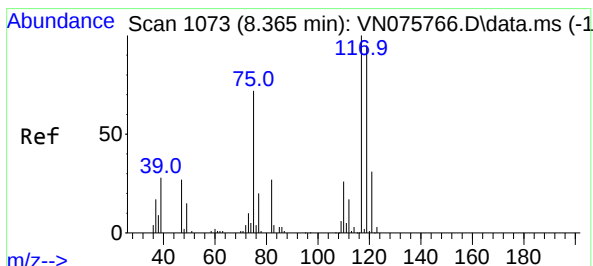
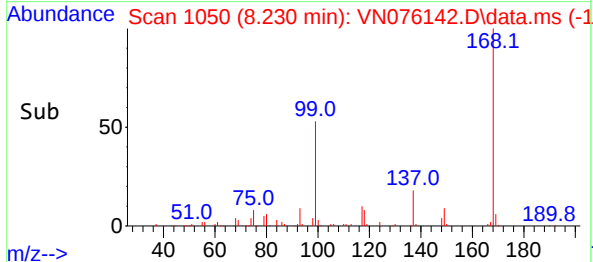
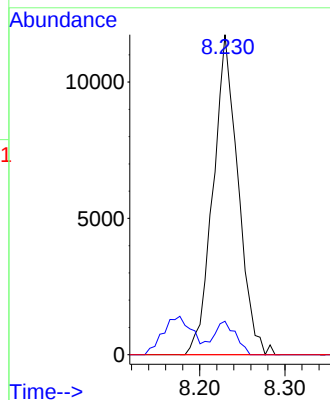
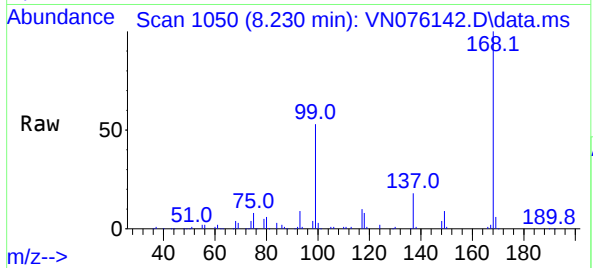




#36
1,1-Dichloropropene
Concen: 5.396 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

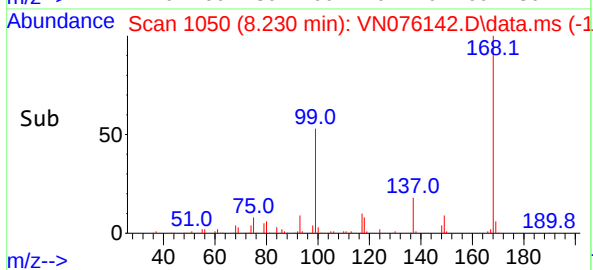
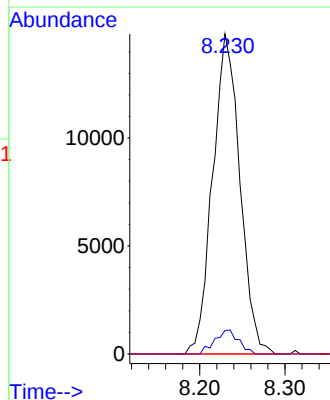
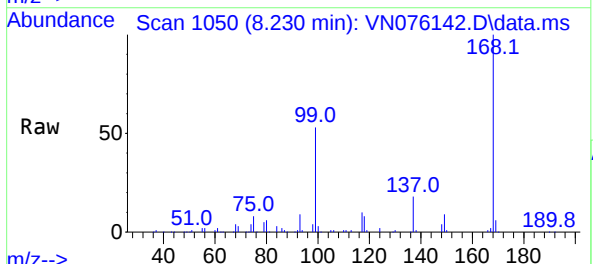
Instrument :
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ClientSampleId :
OILY-WATER-1

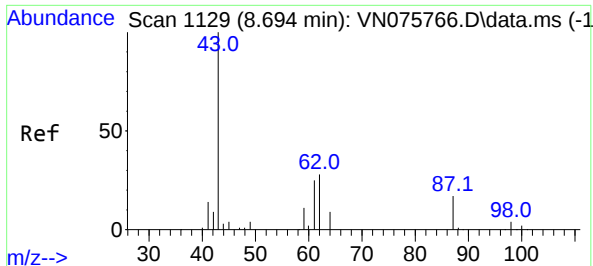
Tgt Ion: 75 Resp: 23861
Ion Ratio Lower Upper
75 100
110 8.2 18.8 56.4#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 6.638 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

Tgt Ion: 117 Resp: 32851
Ion Ratio Lower Upper
117 100
119 7.3 76.1 114.1#
121 0.0 24.5 36.7#

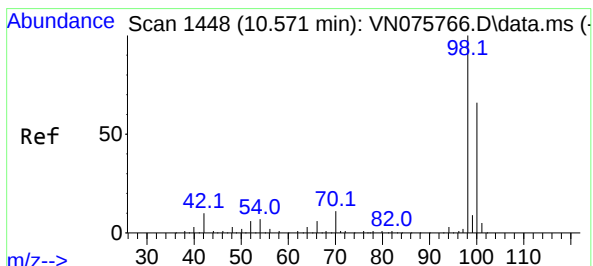
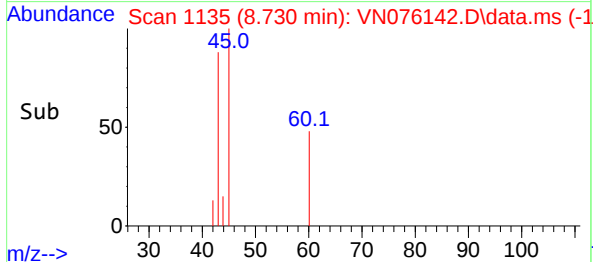
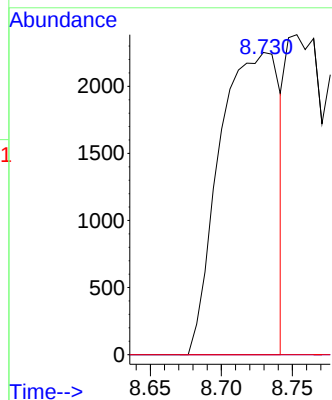
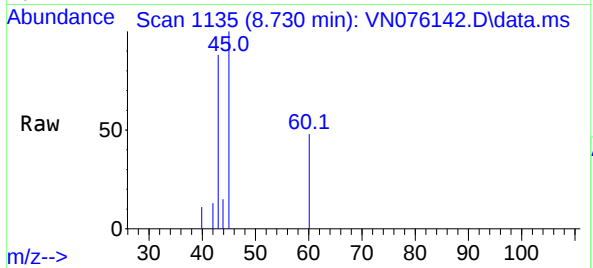




#43
Isopropyl Acetate
Concen: 1.123 ug/l
RT: 8.730 min Scan# 1129
Delta R.T. 0.035 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

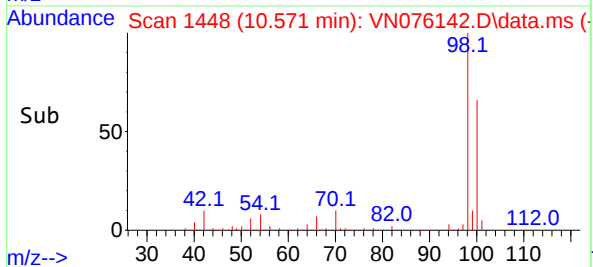
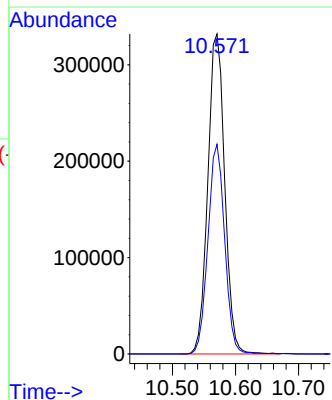
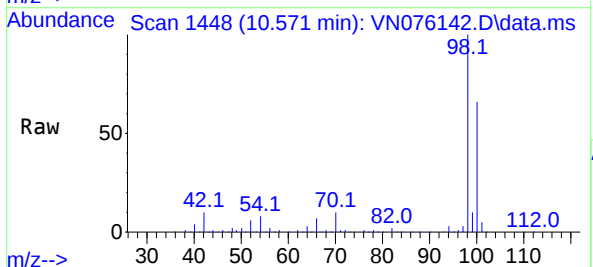
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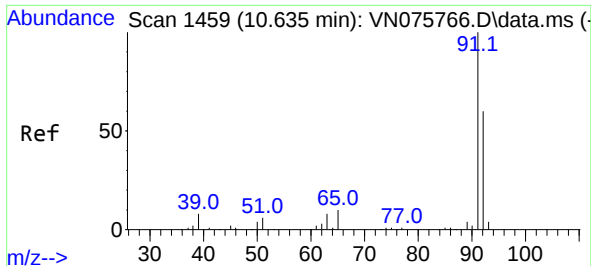
Tgt Ion: 43 Resp: 6580
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#



#50
Toluene-d8
Concen: 49.561 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

Tgt Ion: 98 Resp: 616805
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1

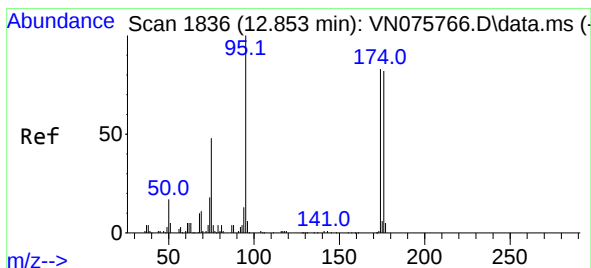
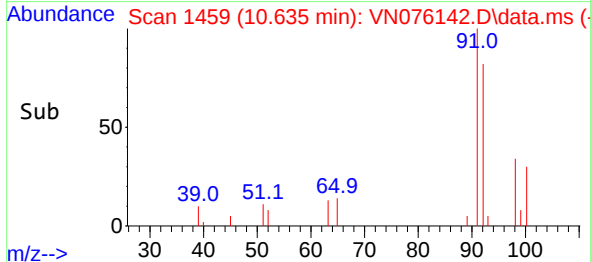
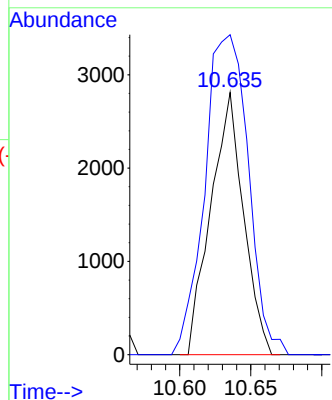
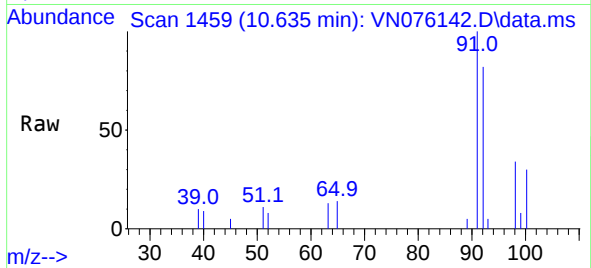




#52
Toluene
Concen: 0.508 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

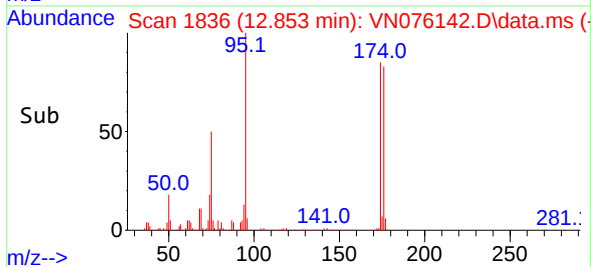
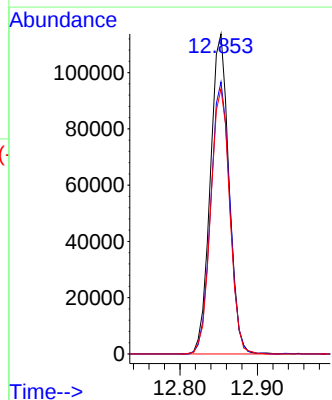
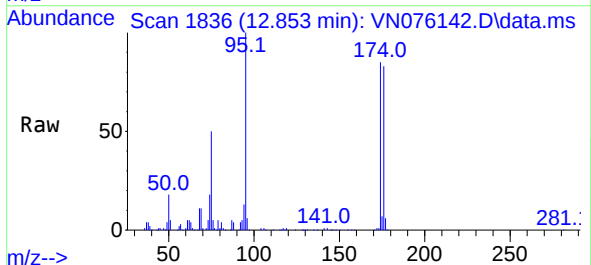
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OILY-WATER-1

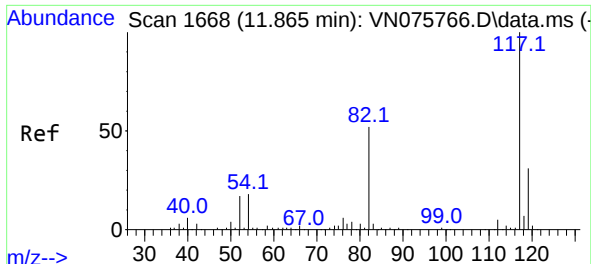
Tgt Ion: 92 Resp: 4512
Ion Ratio Lower Upper
92 100
91 162.5 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 46.057 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

Tgt Ion: 95 Resp: 189849
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 84.3 0.0 169.2

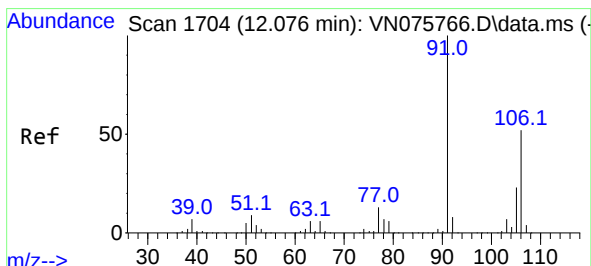
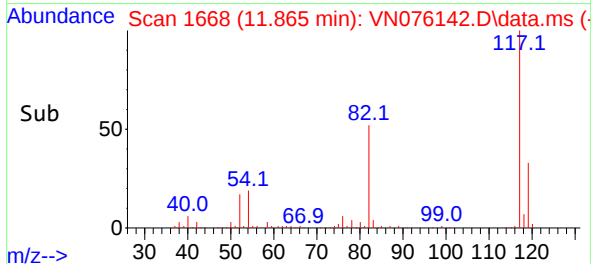
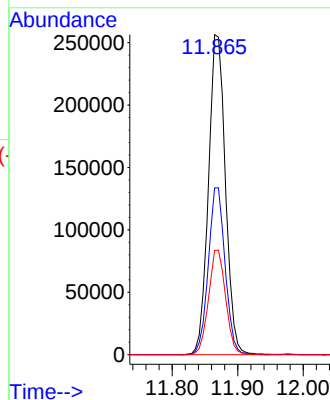
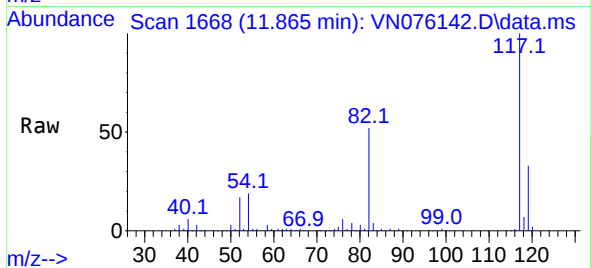




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

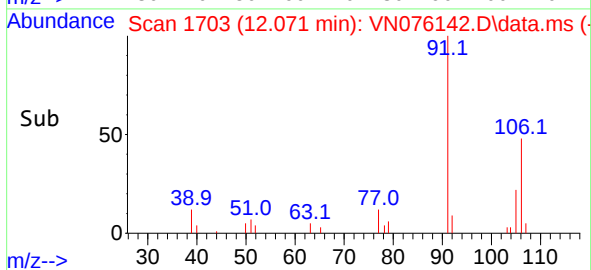
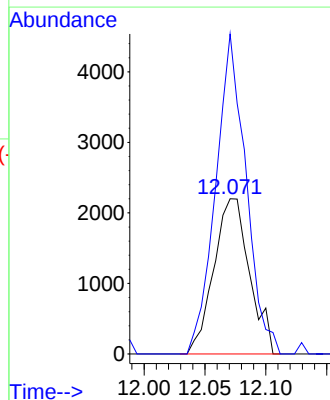
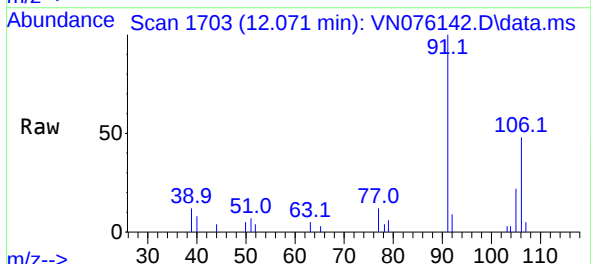
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-1

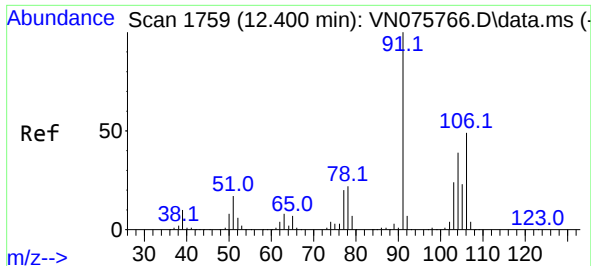
Tgt Ion:117 Resp: 462098
Ion Ratio Lower Upper
117 100
82 52.1 41.3 61.9
119 32.6 24.6 37.0



#68
m/p-Xylenes
Concen: 0.711 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

Tgt Ion:106 Resp: 4506
Ion Ratio Lower Upper
106 100
91 174.5 156.6 235.0

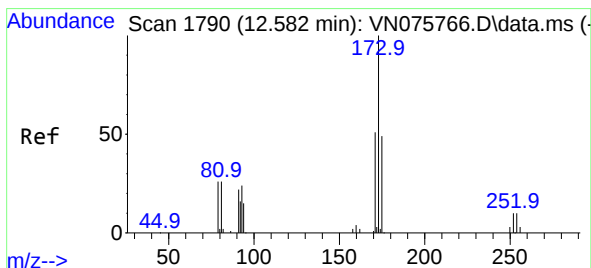
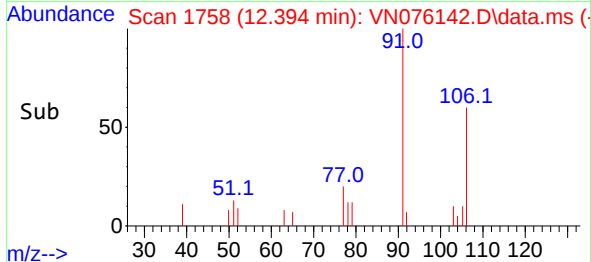
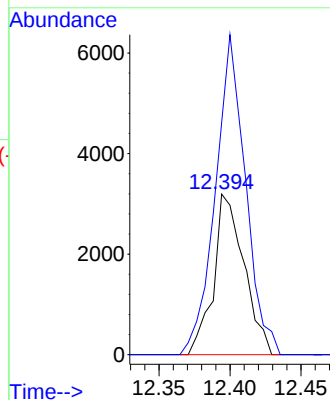
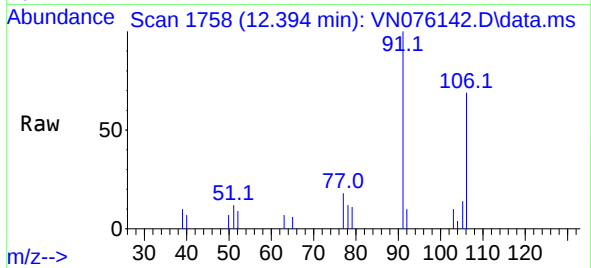




#69
o-Xylene
Concen: 0.758 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

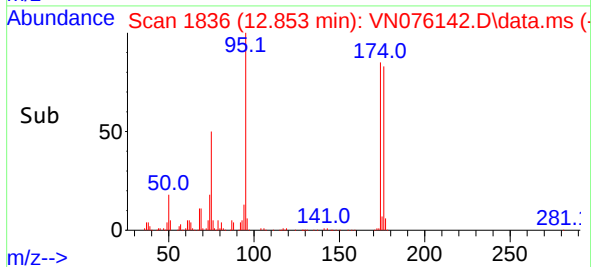
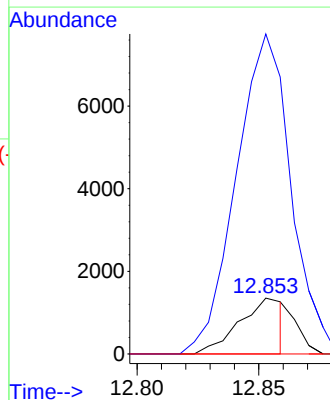
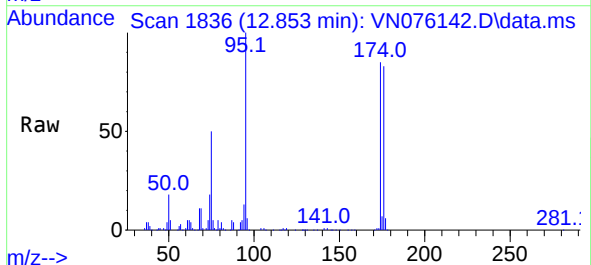
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-1

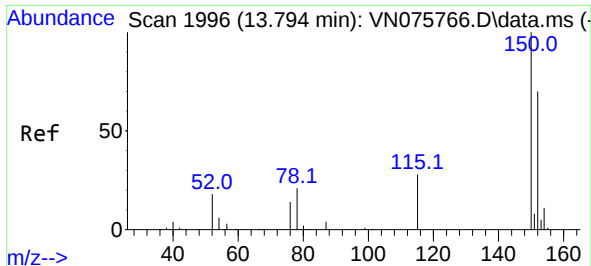
Tgt Ion:106 Resp: 4754
Ion Ratio Lower Upper
106 100
91 197.6 103.8 311.6



#71
Bromoform
Concen: 0.668 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

Tgt Ion:173 Resp: 1707
Ion Ratio Lower Upper
173 100
175 598.1 24.3 72.8#
254 0.0 0.0 0.0

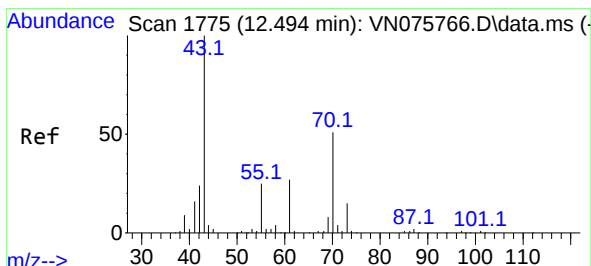
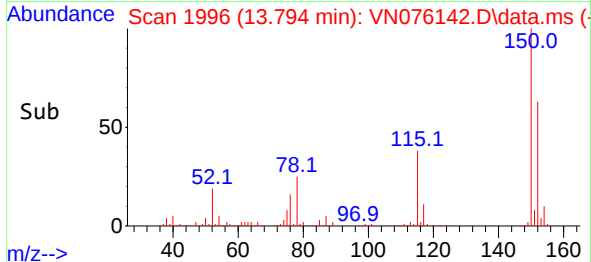
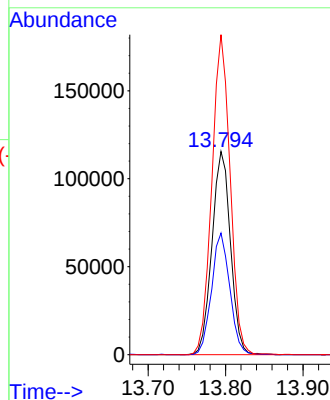
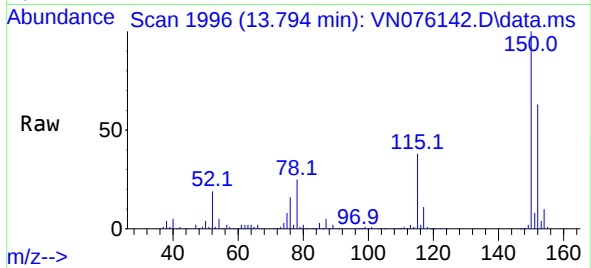




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

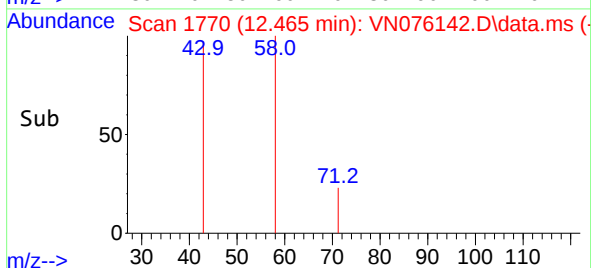
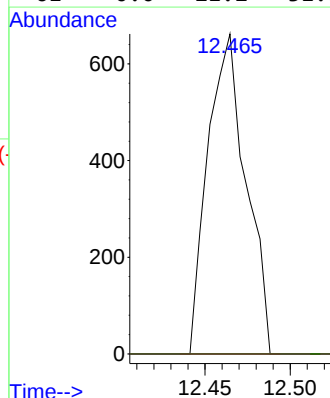
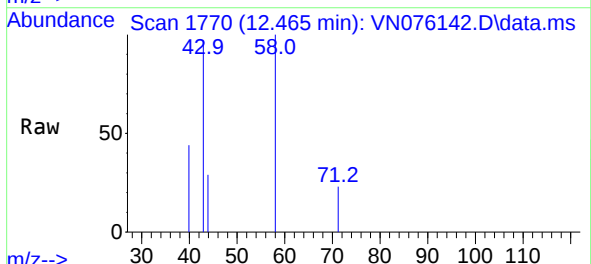
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-1

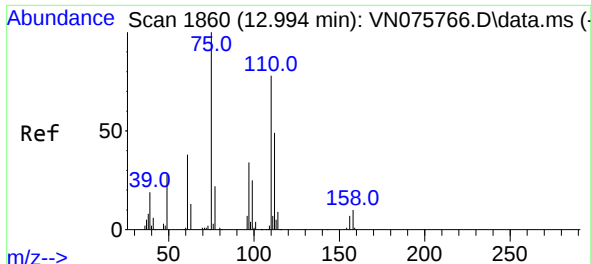
Tgt Ion:152 Resp: 191866
Ion Ratio Lower Upper
152 100
115 59.1 29.1 87.4
150 155.3 0.0 347.0



#74
N-ethyl acetate
Concen: 0.254 ug/l
RT: 12.465 min Scan# 1770
Delta R.T. -0.029 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

Tgt Ion: 43 Resp: 1033
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.0#
55 0.0 21.3 31.9#
61 0.0 21.2 31.8#

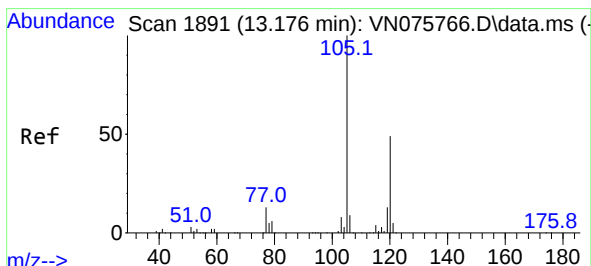
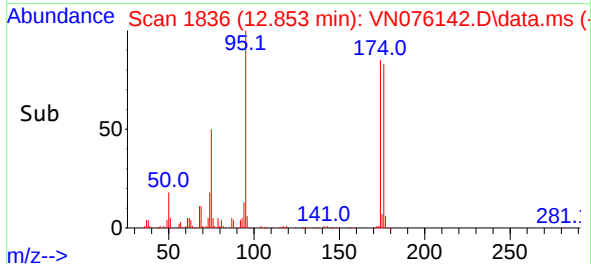
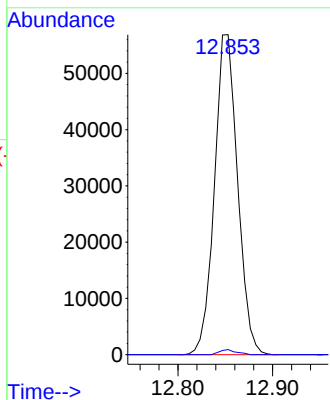
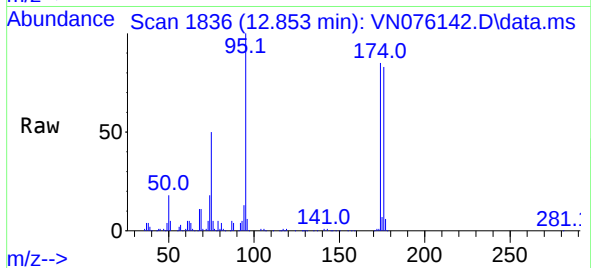




#76
1,2,3-Trichloropropane
Concen: 24.995 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

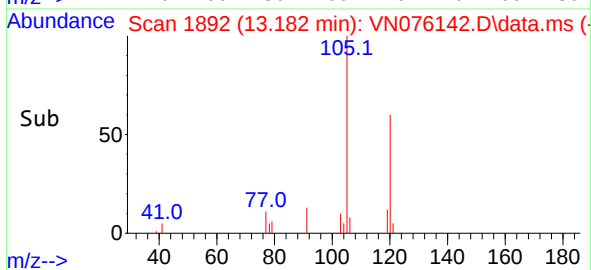
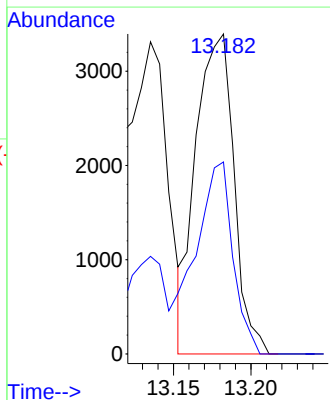
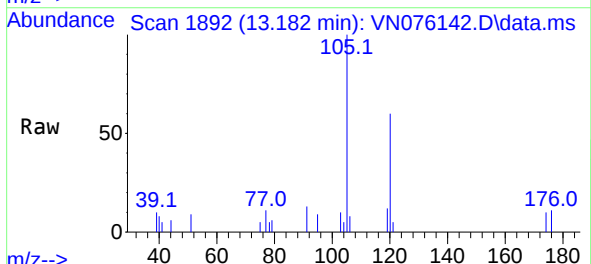
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-1

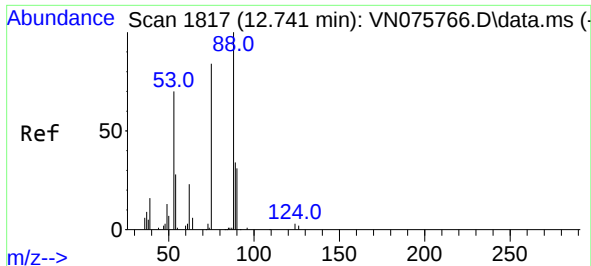
Tgt Ion: 75 Resp: 96669
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.500 ug/l
RT: 13.182 min Scan# 1892
Delta R.T. 0.006 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

Tgt Ion: 105 Resp: 5797
Ion Ratio Lower Upper
105 100
120 59.5 24.7 74.1

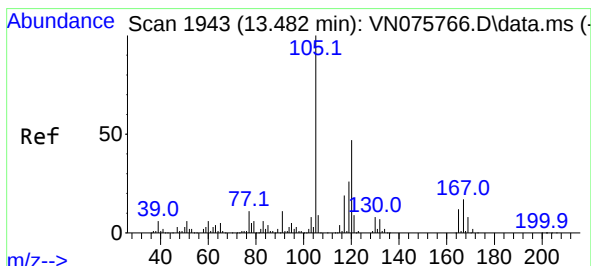
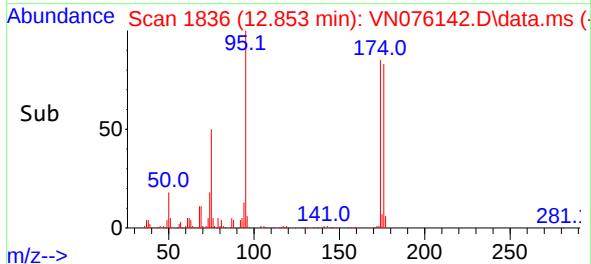
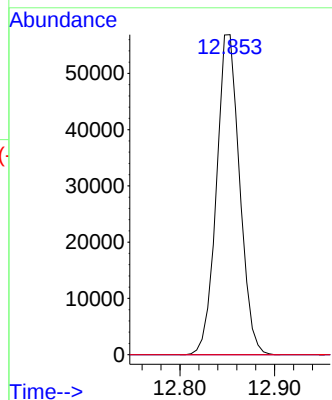
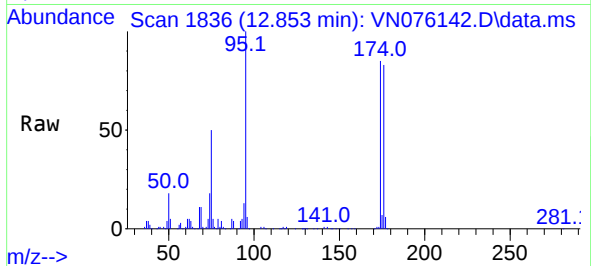




#81
trans-1,4-Dichloro-2-butene
Concen: 89.969 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

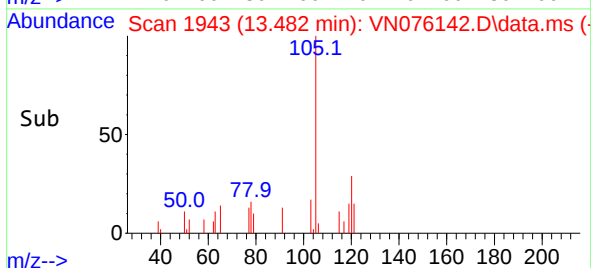
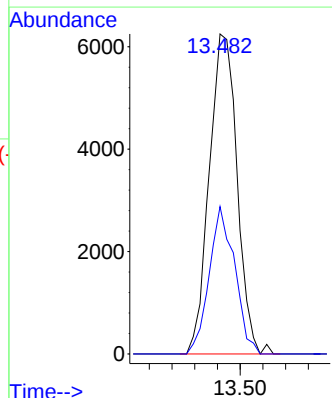
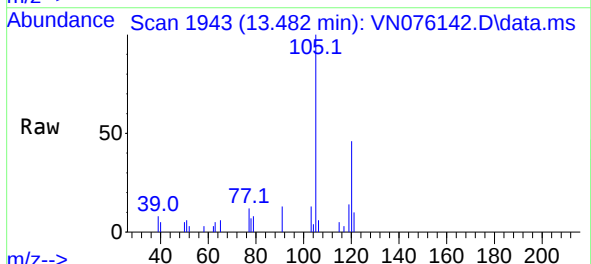
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-1

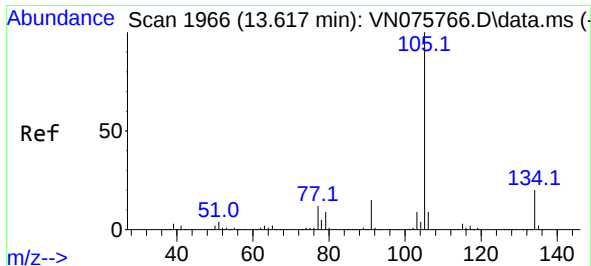
Tgt Ion: 75 Resp: 96669
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.924 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

Tgt Ion: 105 Resp: 10634
Ion Ratio Lower Upper
105 100
120 42.2 23.3 69.8

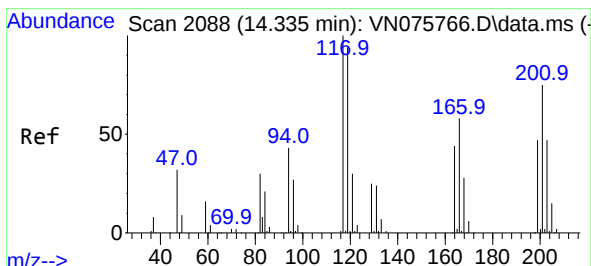
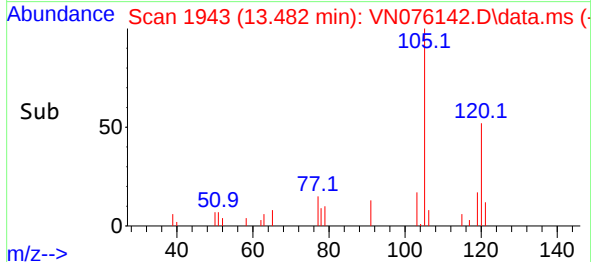
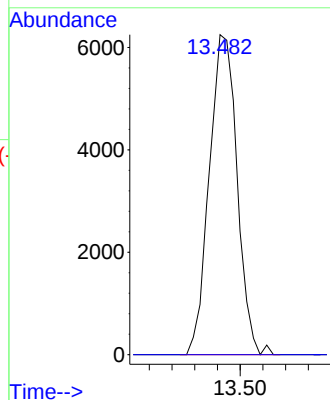
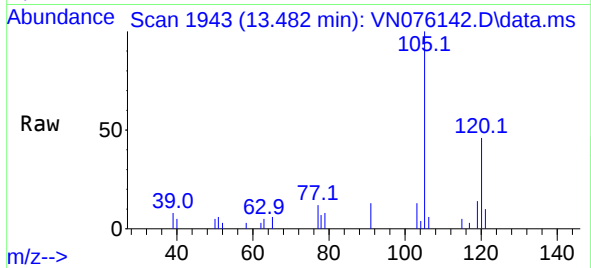




#85
 sec-Butylbenzene
 Concen: 0.753 ug/l
 RT: 13.482 min Scan# 1966
 Delta R.T. -0.135 min
 Lab File: VN076142.D
 Acq: 06 Jan 2023 18:36

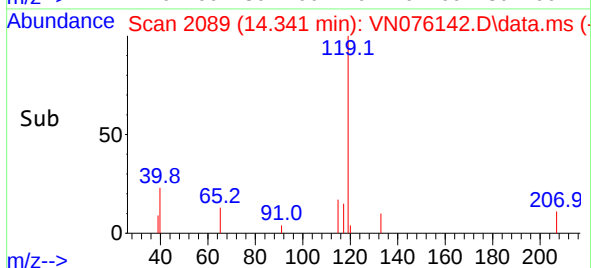
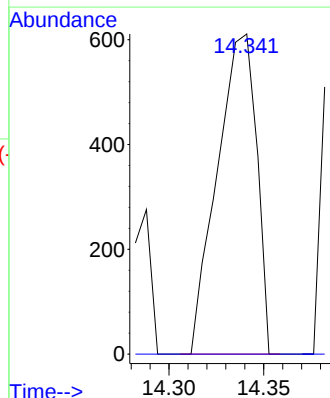
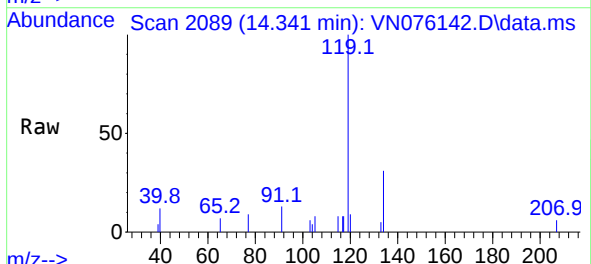
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER-1

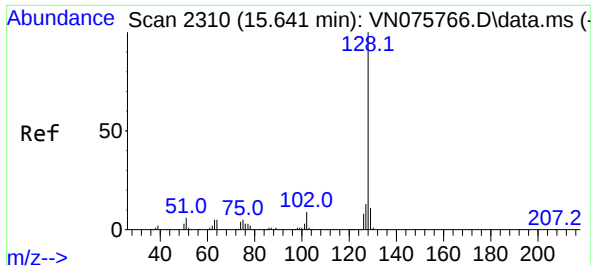
Tgt Ion:105 Resp: 10634
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#90
 Hexachloroethane
 Concen: 0.420 ug/l
 RT: 14.341 min Scan# 2089
 Delta R.T. 0.006 min
 Lab File: VN076142.D
 Acq: 06 Jan 2023 18:36

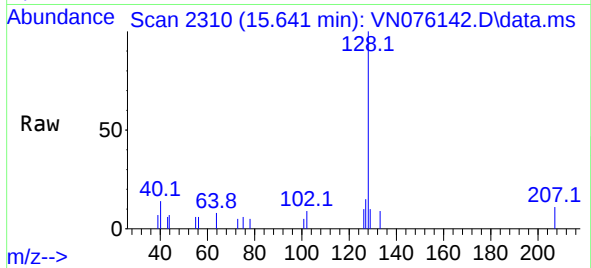
Tgt Ion:117 Resp: 882
 Ion Ratio Lower Upper
 117 100
 201 0.0 38.0 114.1#





#95
Naphthalene
Concen: 2.724 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076142.D
Acq: 06 Jan 2023 18:36

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-1



Tgt Ion:	128	Resp:	5968
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	11.6	8.7	13.1

