

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101722\
 Data File : VN074919.D
 Acq On : 17 Oct 2022 16:32
 Operator : JC\MD
 Sample : VN1017WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBL01

Quant Time: Oct 18 03:01:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 17 16:03:54 2022
 Response via : Initial Calibration

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

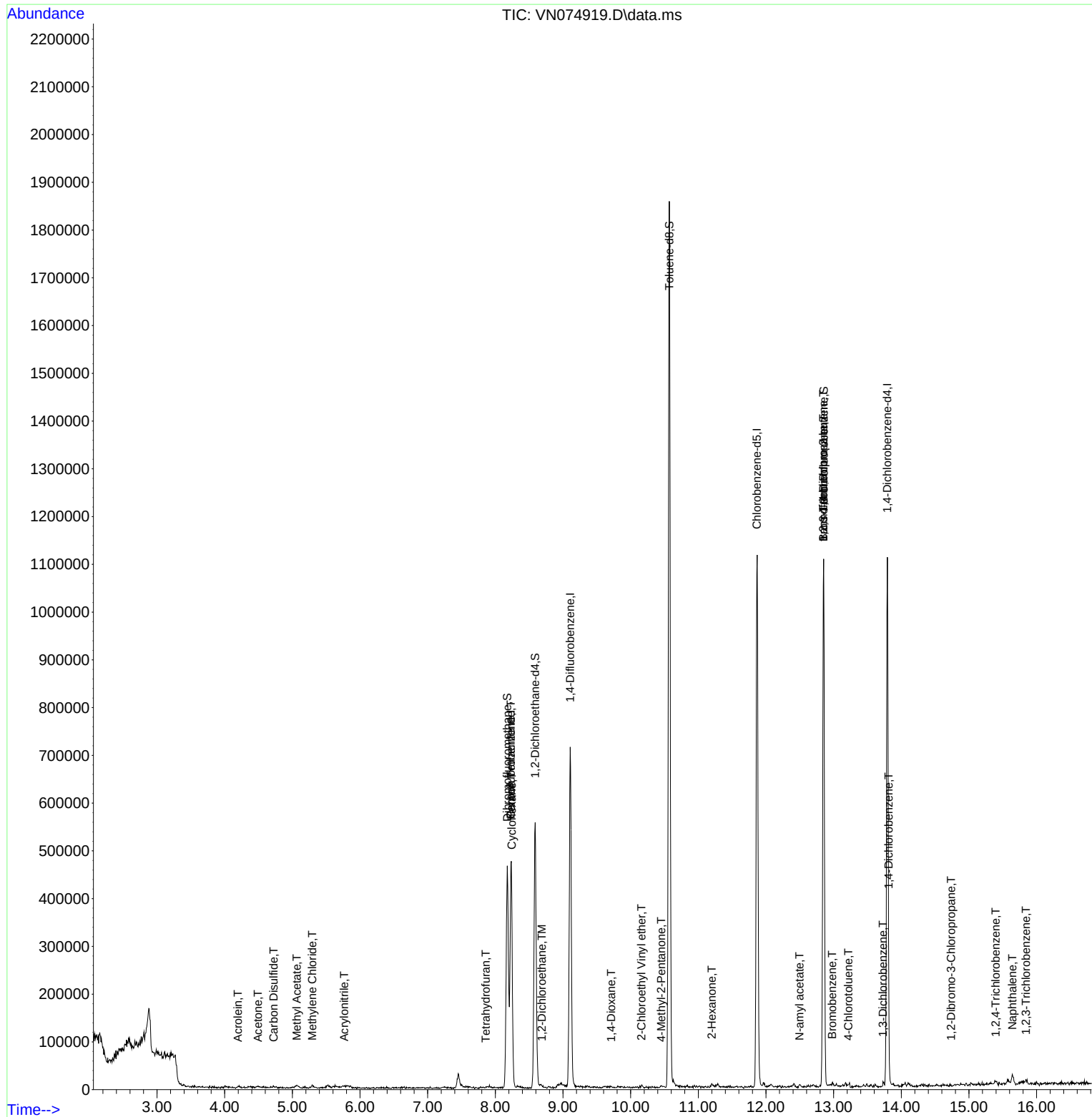
Internal Standards						
1) Pentafluorobenzene	8.230	168	337500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	603575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	635594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	281264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	411021	46.168	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.340%		
35) Dibromofluoromethane	8.177	113	320053	47.163	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.320%		
50) Toluene-d8	10.571	98	1261638	44.833	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.660%		
62) 4-Bromofluorobenzene	12.853	95	339522	41.528	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.060%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.389	50	4466	Below Cal	#	80
5) Bromomethane	2.936	94	6499	Below Cal	#	47
13) Acrolein	4.195	56	1625	0.851	ug/l	98
15) Acrylonitrile	5.765	53	3433	0.678	ug/l #	78
16) Acetone	4.489	43	5070	1.211	ug/l #	58
17) Carbon Disulfide	4.724	76	4874	0.340	ug/l #	78
18) Methyl Acetate	5.065	43	11455	0.886	ug/l #	83
20) Methylene Chloride	5.295	84	1995	0.259	ug/l #	72
29) Tetrahydrofuran	7.859	42	1025	0.216	ug/l #	46
31) Cyclohexane	8.241	56	10006	0.869	ug/l #	61
38) Carbon Tetrachloride	8.230	117	36243	4.018	ug/l #	19
42) 1,2-Dichloroethane	8.688	62	2085	0.205	ug/l #	74
49) 1,4-Dioxane	9.712	88	208	1.129	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	3869	0.280	ug/l #	69
58) 2-Chloroethyl Vinyl ether	10.159	63	2193	9.710	ug/l #	62
59) 2-Hexanone	11.200	43	4425	0.428	ug/l	63
71) Bromoform	12.847	173	2396	0.502	ug/l #	1
74) N-amyl acetate	12.494	43	3603	0.243	ug/l	96
76) 1,2,3-Trichloropropane	12.847	75	197334	24.823	ug/l #	1
77) Bromobenzene	12.976	156	1267	0.217	ug/l	72
81) trans-1,4-Dichloro-2-b...	12.847	75	197334	59.667	ug/l #	9
82) 4-Chlorotoluene	13.218	91	3981	0.235	ug/l	83
87) 1,3-Dichlorobenzene	13.729	146	3176	0.328	ug/l #	64
88) 1,4-Dichlorobenzene	13.812	146	5350	0.524	ug/l #	63
92) 1,2-Dibromo-3-Chloropr...	14.735	75	725	0.436	ug/l #	62
93) 1,2,4-Trichlorobenzene	15.394	180	3130	0.692	ug/l #	46
95) Naphthalene	15.641	128	17379	0.892	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.841	180	3139	0.665	ug/l #	55

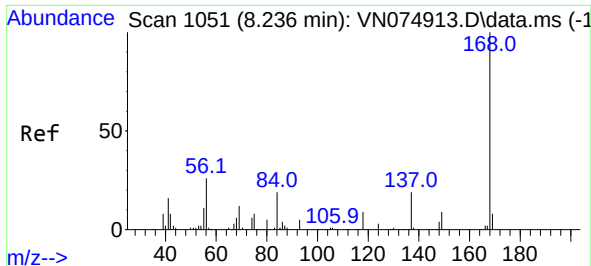
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN1017WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Time: Oct 18 03:01:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101722W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 17 16:03:54 2022
Response via : Initial Calibration

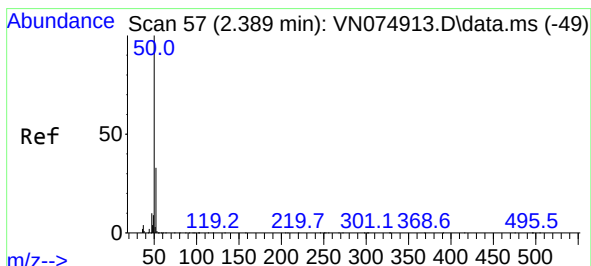
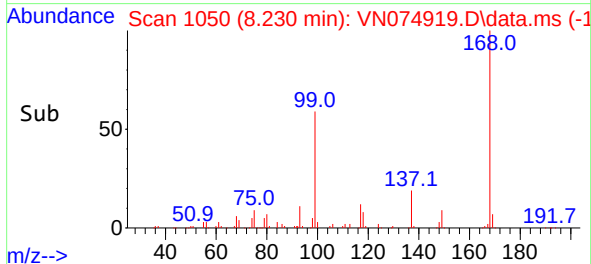
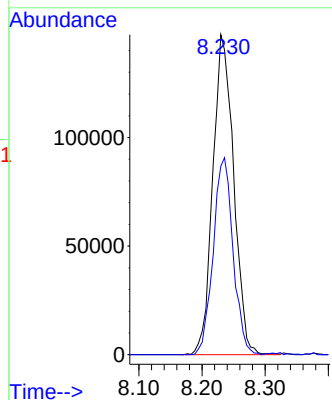
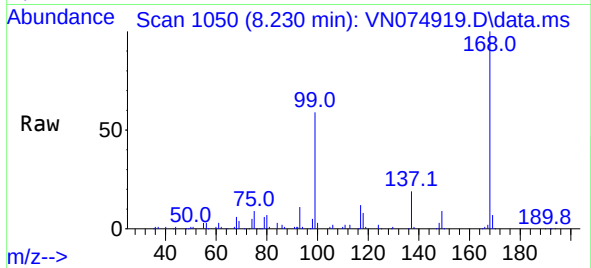




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

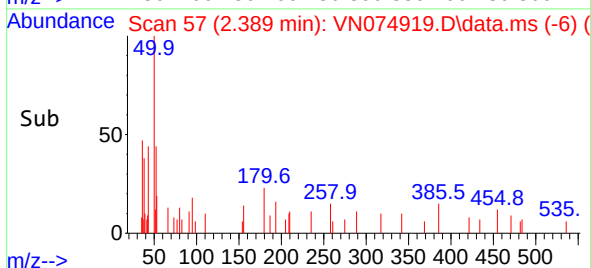
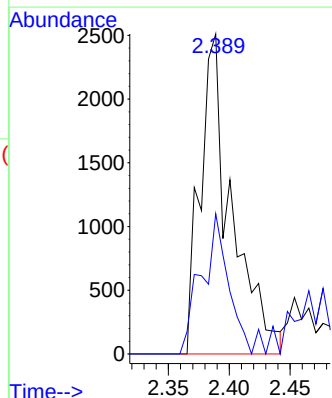
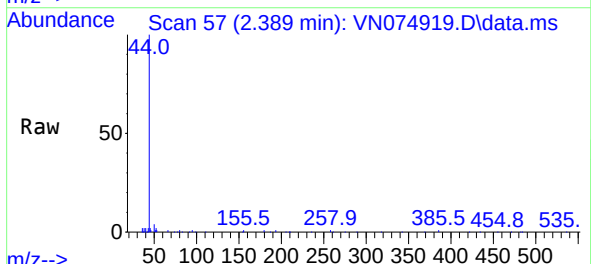
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

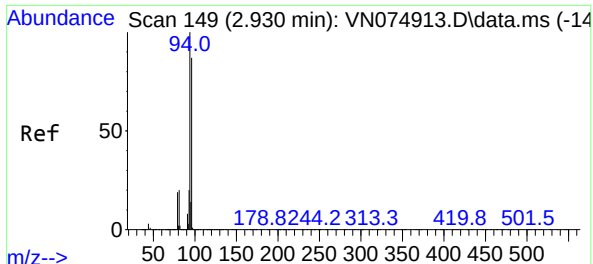
Tgt Ion:168 Resp: 337500
Ion Ratio Lower Upper
168 100
99 58.8 47.6 71.4



#3
Chloromethane
Concen: Below Cal
RT: 2.389 min Scan# 57
Delta R.T. -0.000 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion: 50 Resp: 4466
Ion Ratio Lower Upper
50 100
52 43.8 26.1 39.1#

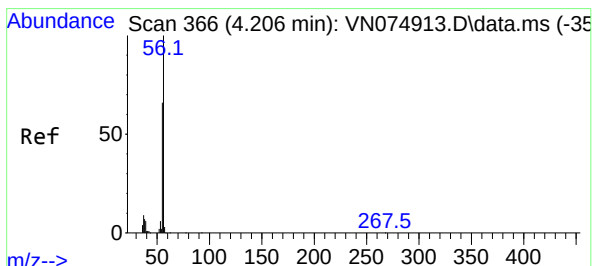
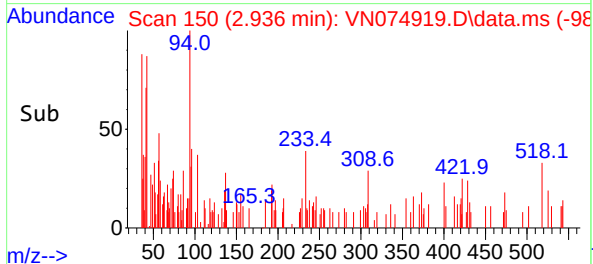
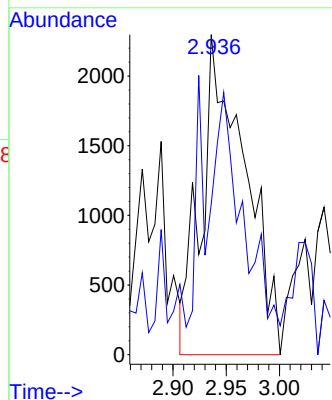
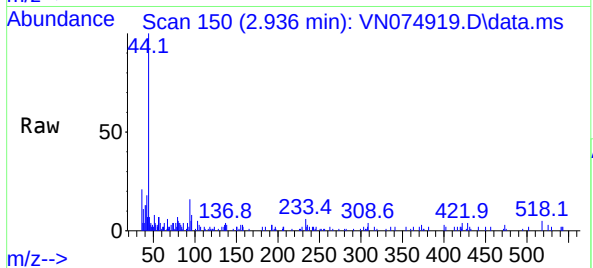




#5
Bromomethane
Concen: Below Cal
RT: 2.936 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

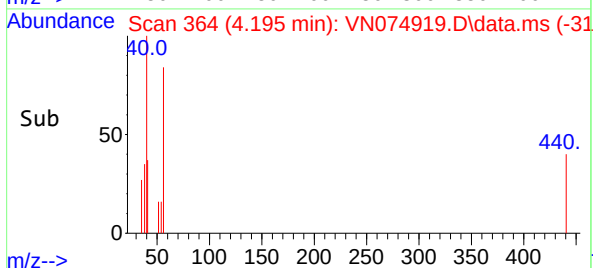
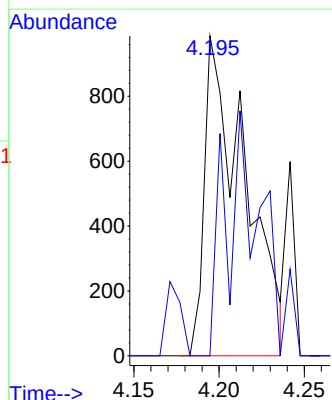
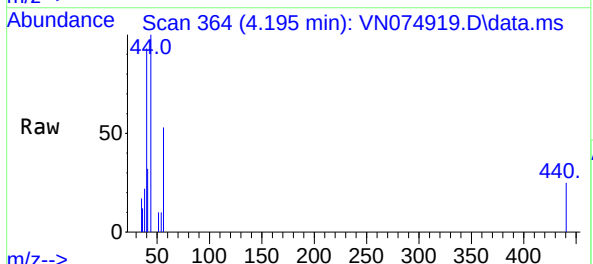
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

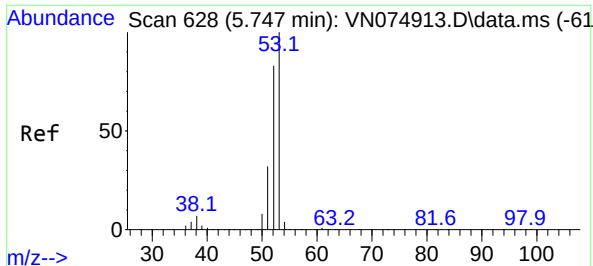
Tgt Ion: 94 Resp: 6499
Ion Ratio Lower Upper
94 100
96 38.0 70.0 105.0#



#13
Acrolein
Concen: 0.851 ug/l
RT: 4.195 min Scan# 364
Delta R.T. -0.012 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion: 56 Resp: 1625
Ion Ratio Lower Upper
56 100
55 68.0 53.4 80.0

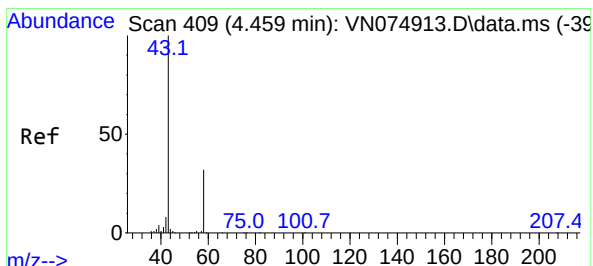
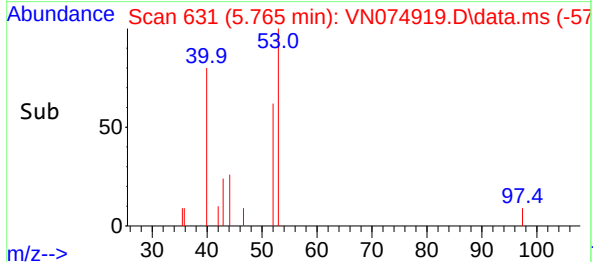
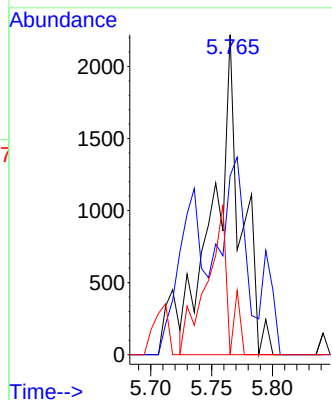
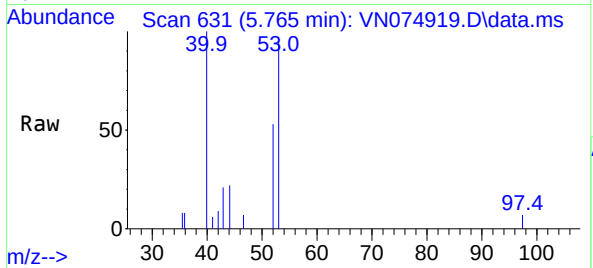




#15
Acrylonitrile
Concen: 0.678 ug/l
RT: 5.765 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

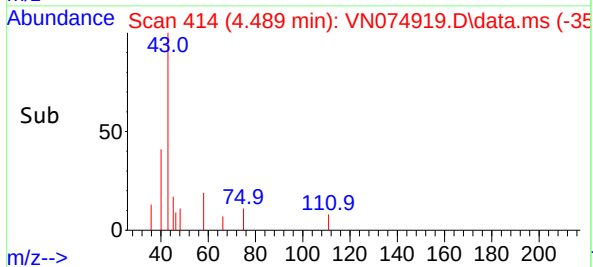
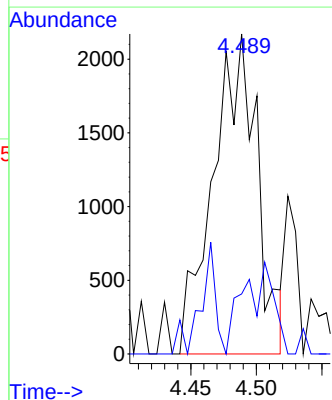
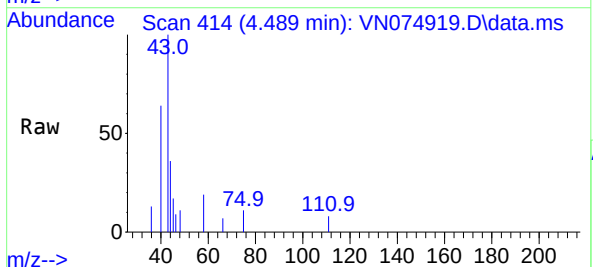
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

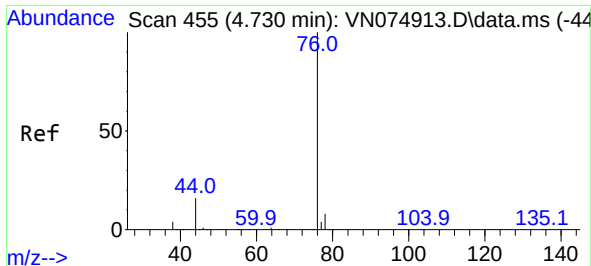
Tgt Ion: 53 Resp: 3433
Ion Ratio Lower Upper
53 100
52 55.8 66.2 99.2#
51 37.5 28.5 42.7



#16
Acetone
Concen: 1.211 ug/l
RT: 4.489 min Scan# 414
Delta R.T. 0.029 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion: 43 Resp: 5070
Ion Ratio Lower Upper
43 100
58 8.9 25.8 38.8#

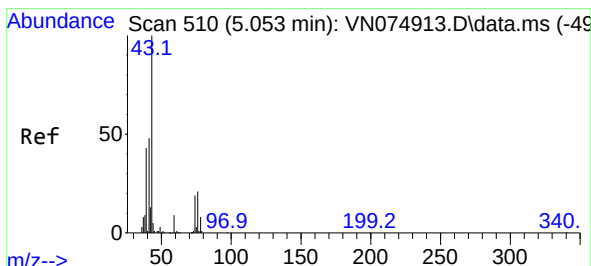
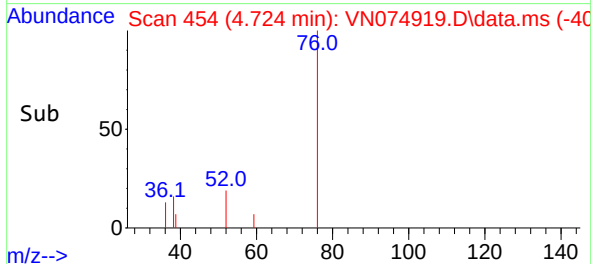
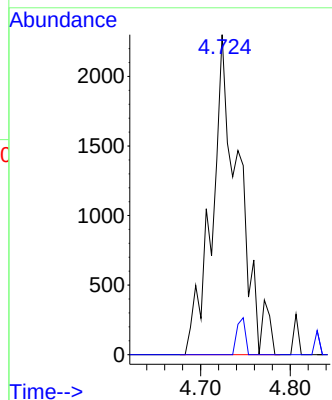
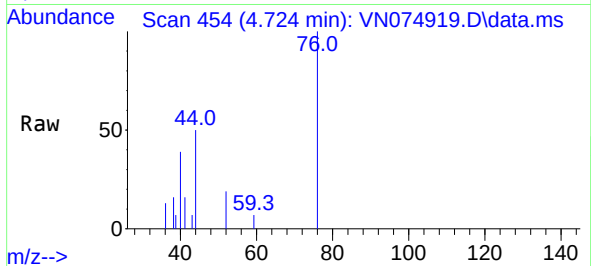




#17
Carbon Disulfide
Concen: 0.340 ug/l
RT: 4.724 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

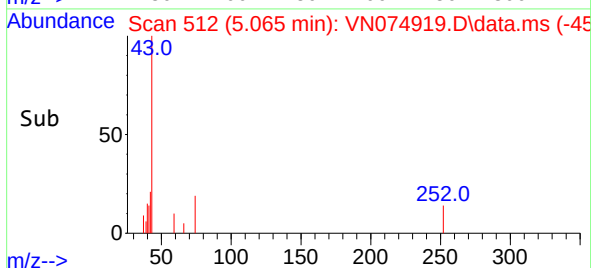
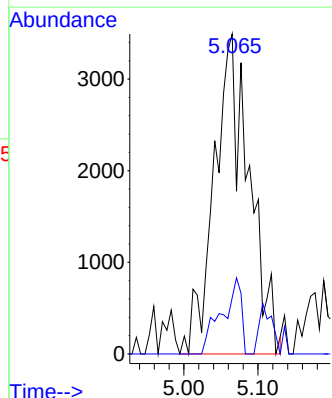
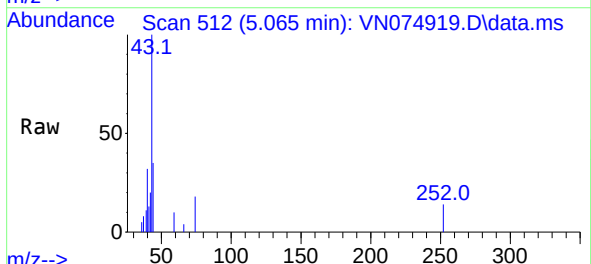
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

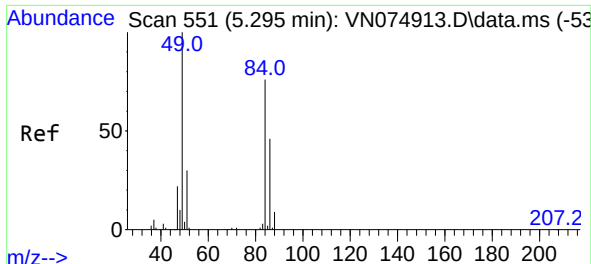
Tgt Ion: 76 Resp: 4874
Ion Ratio Lower Upper
76 100
78 0.0 6.1 9.1#



#18
Methyl Acetate
Concen: 0.886 ug/l
RT: 5.065 min Scan# 512
Delta R.T. 0.012 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion: 43 Resp: 11455
Ion Ratio Lower Upper
43 100
74 13.2 17.0 25.6#



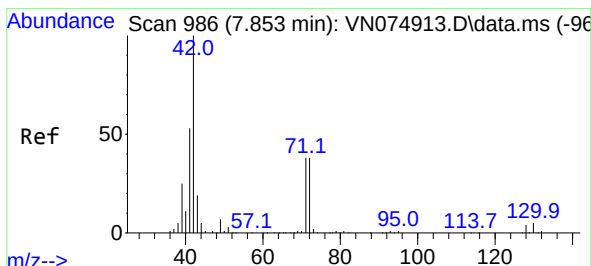
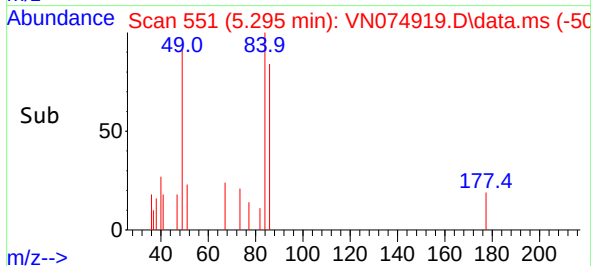
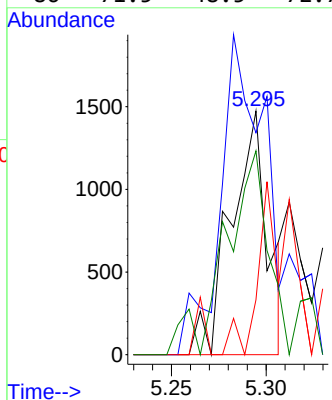
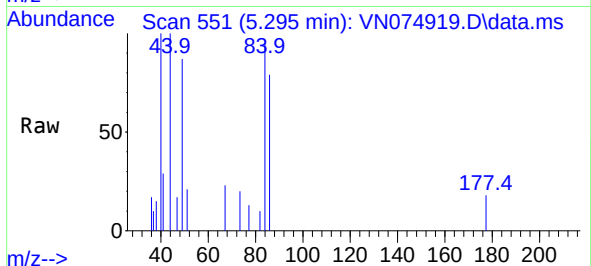


#20
Methylene Chloride
Concen: 0.259 ug/l
RT: 5.295 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

Tgt Ion: 84 Resp: 1995

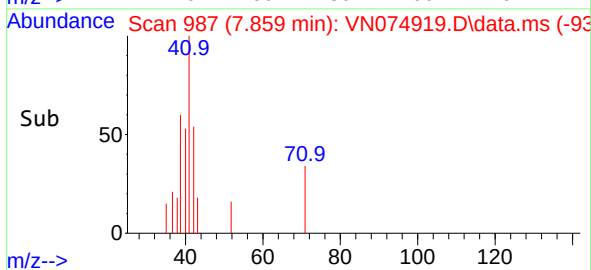
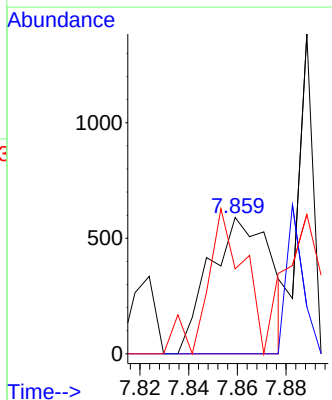
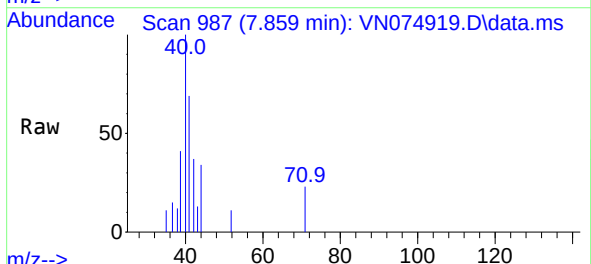
Ion	Ratio	Lower	Upper
84	100		
49	91.2	104.6	156.8#
51	22.5	31.8	47.8#
86	71.5	48.5	72.7

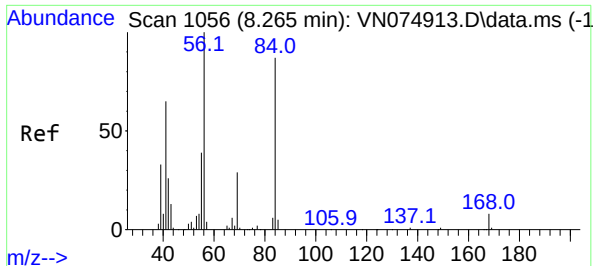


#29
Tetrahydrofuran
Concen: 0.216 ug/l
RT: 7.859 min Scan# 987
Delta R.T. 0.006 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion: 42 Resp: 1025

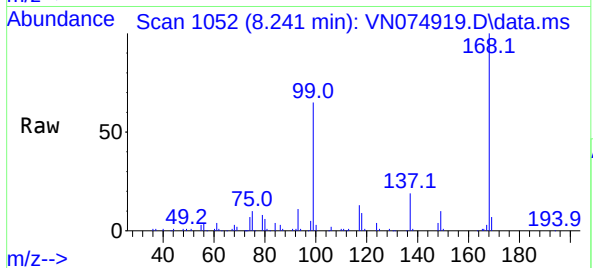
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	64.0	30.7	46.1#



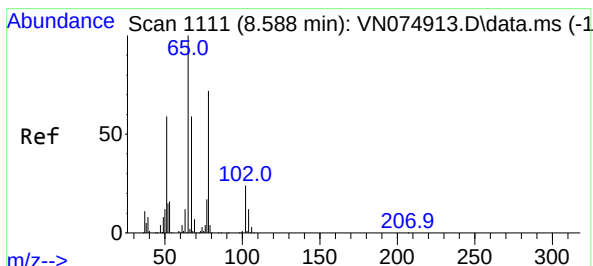
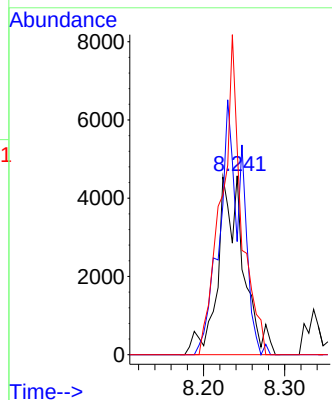
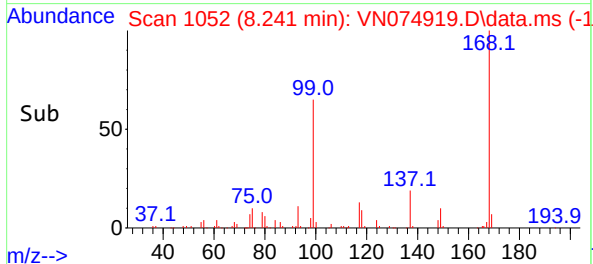


#31
Cyclohexane
Concen: 0.869 ug/l
RT: 8.241 min Scan# 1052
Delta R.T. -0.024 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Instrument :
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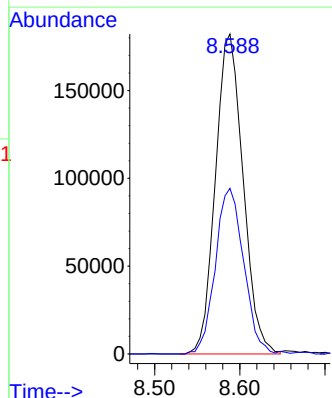
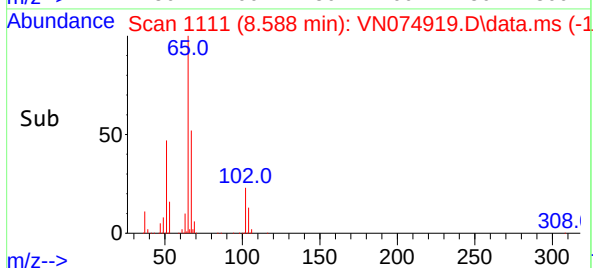
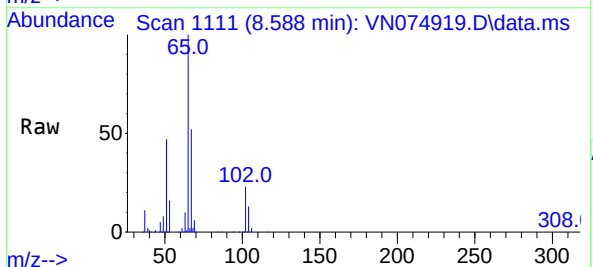


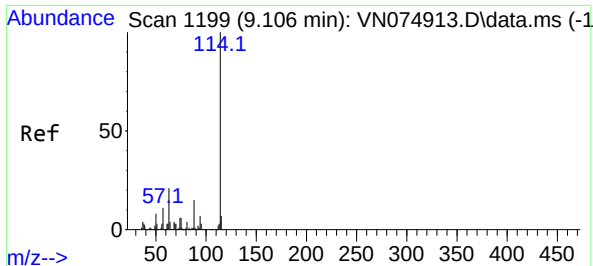
Tgt Ion: 56 Resp: 10006
Ion Ratio Lower Upper
56 100
69 63.2 23.4 35.0#
84 115.8 69.9 104.9#



#33
1,2-Dichloroethane-d4
Concen: 46.168 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion: 65 Resp: 411021
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.2

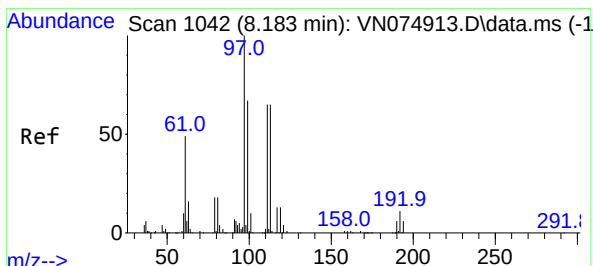
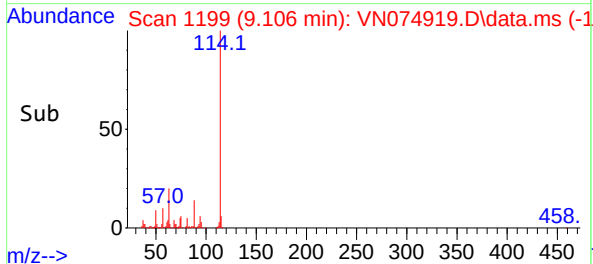
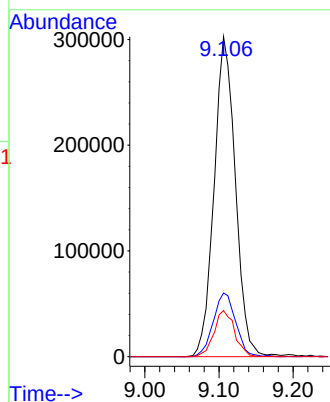
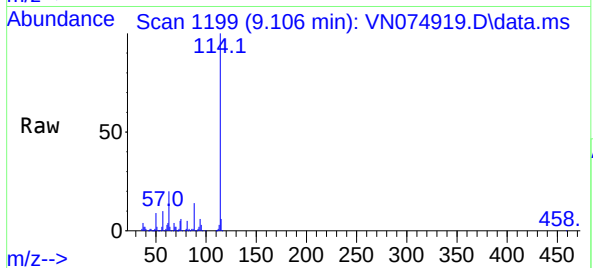




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

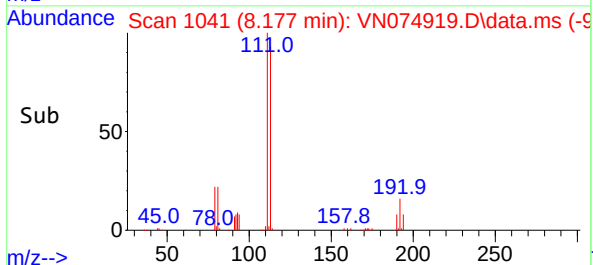
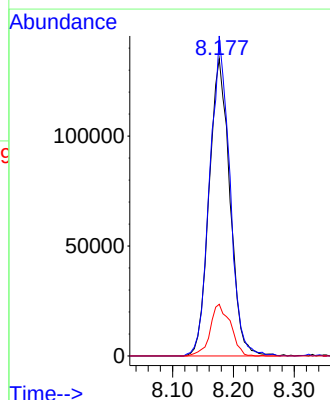
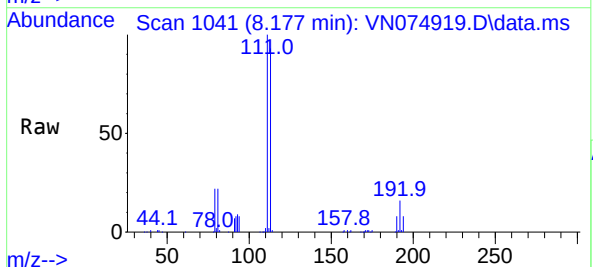
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

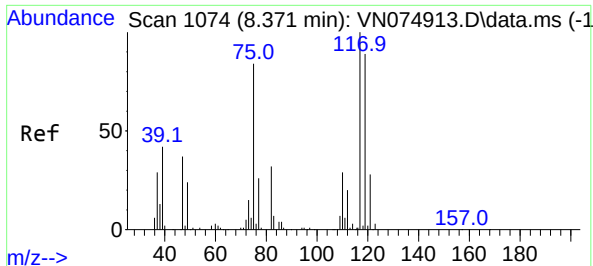
Tgt Ion:114 Resp: 603575
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.2
88 14.4 0.0 30.2



#35
Dibromofluoromethane
Concen: 47.163 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion:113 Resp: 320053
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 17.0 14.2 21.2

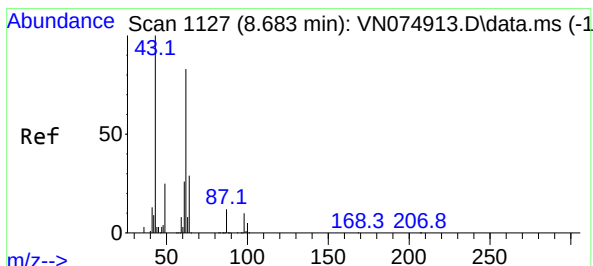
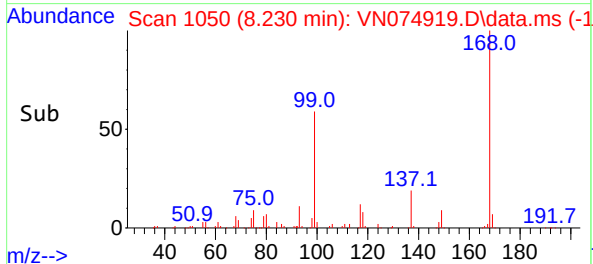
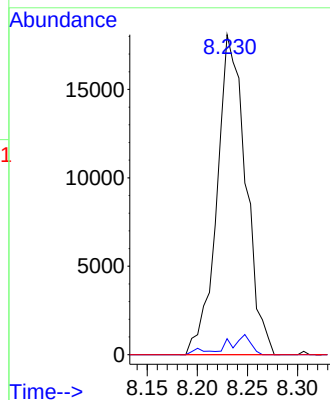
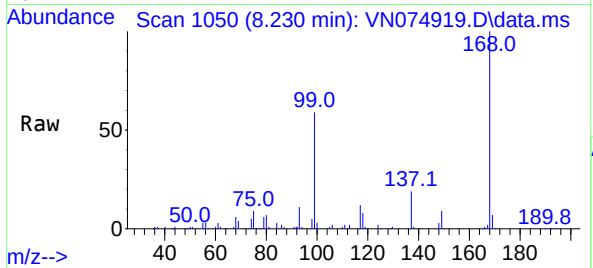




#38
Carbon Tetrachloride
Concen: 4.018 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

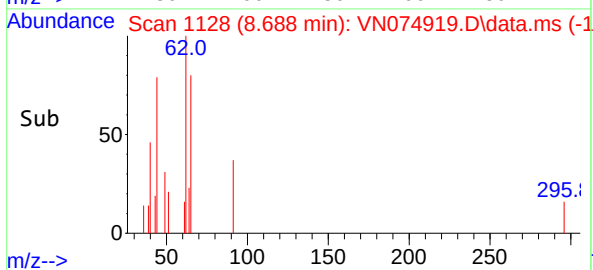
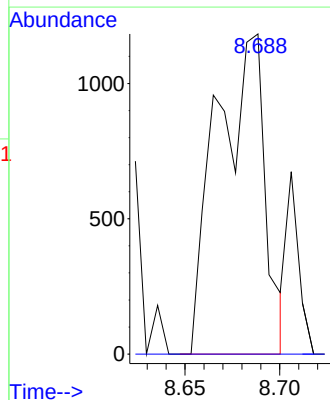
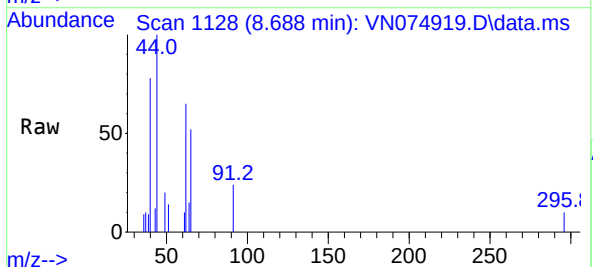
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

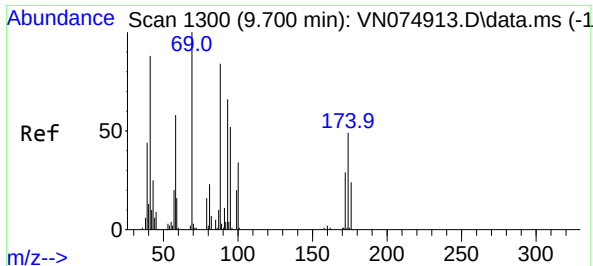
Tgt Ion:117 Resp: 36243
Ion Ratio Lower Upper
117 100
119 5.0 71.0 106.6#
121 0.0 22.2 33.4#



#42
1,2-Dichloroethane
Concen: 0.205 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion: 62 Resp: 2085
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.0

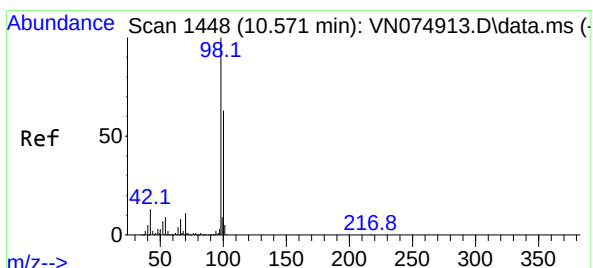
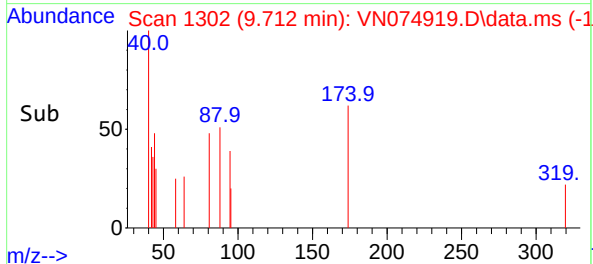
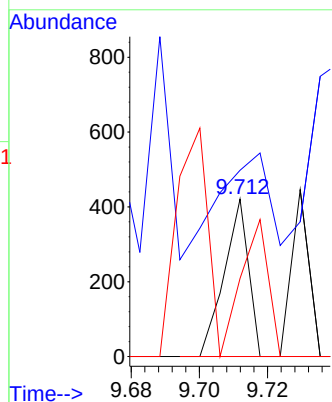
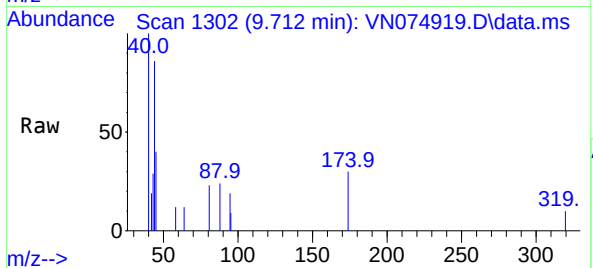




#49
1,4-Dioxane
Concen: 1.129 ug/l
RT: 9.712 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

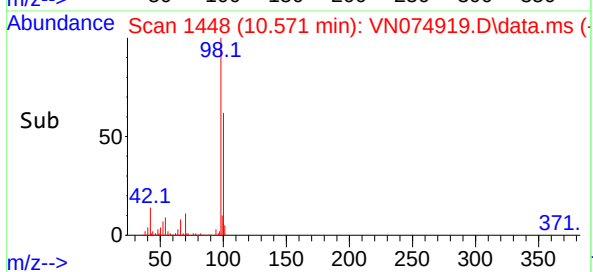
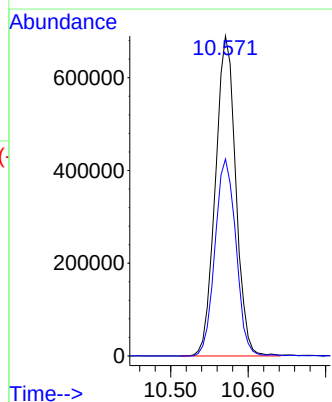
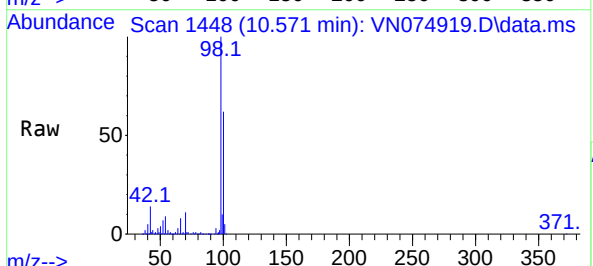
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MSVOA_N
ClientSampleId :
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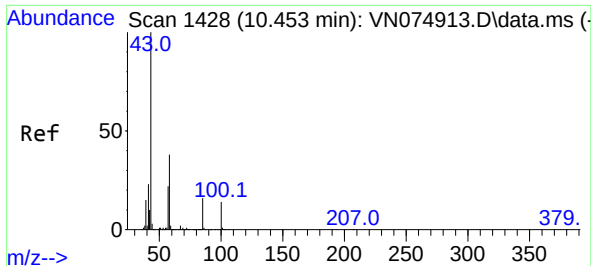
Tgt Ion: 88 Resp: 208
Ion Ratio Lower Upper
88 100
43 301.4 19.4 29.2#
58 221.2 56.9 85.3#



#50
Toluene-d8
Concen: 44.833 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion: 98 Resp: 1261638
Ion Ratio Lower Upper
98 100
100 63.0 50.7 76.1

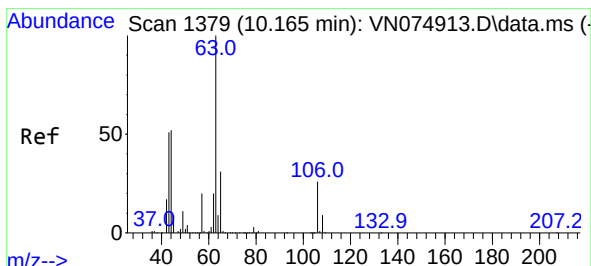
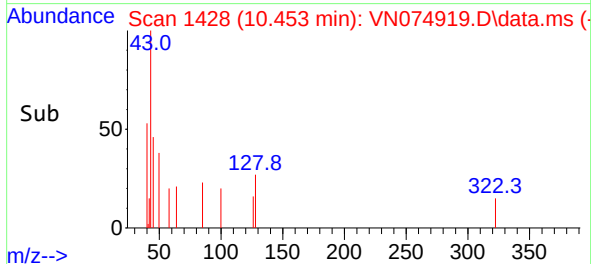
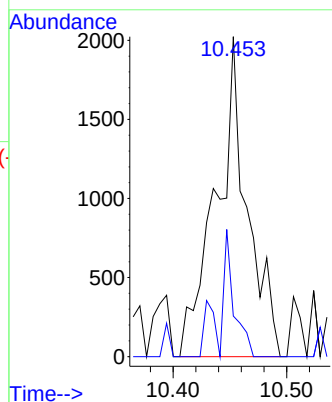
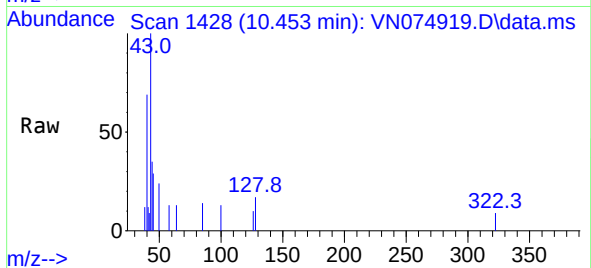




#51
4-Methyl-2-Pentanone
Concen: 0.280 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.000 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

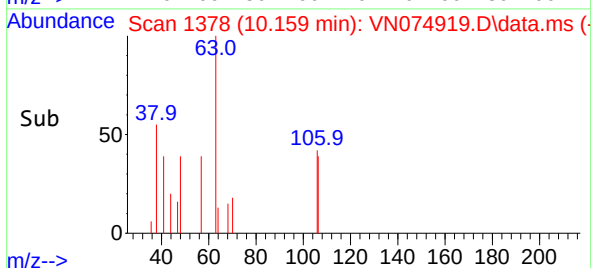
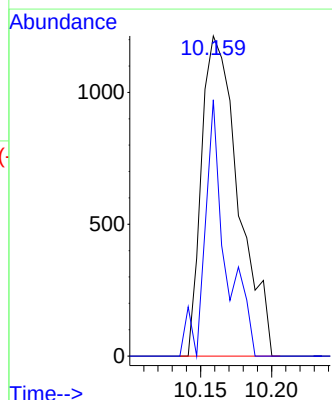
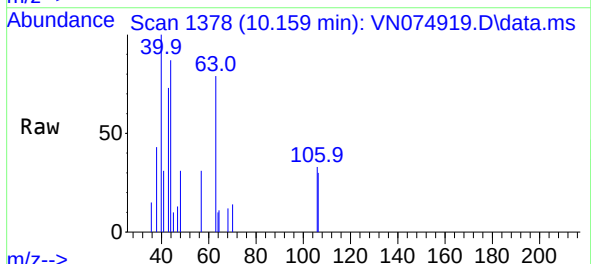
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

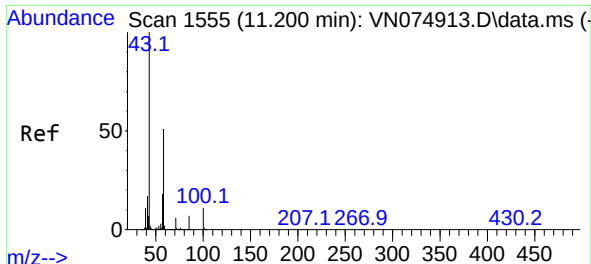
Tgt Ion: 43 Resp: 3869
Ion Ratio Lower Upper
43 100
58 18.8 30.0 45.0#



#58
2-Chloroethyl Vinyl ether
Concen: 9.710 ug/l
RT: 10.159 min Scan# 1378
Delta R.T. -0.006 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion: 63 Resp: 2193
Ion Ratio Lower Upper
63 100
106 45.4 20.8 31.2#

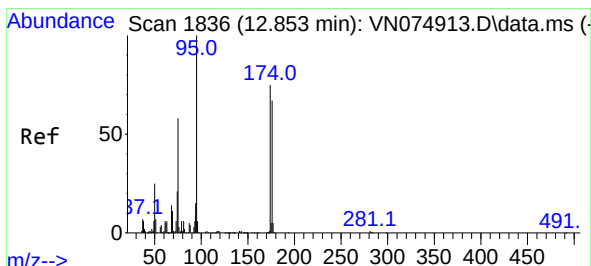
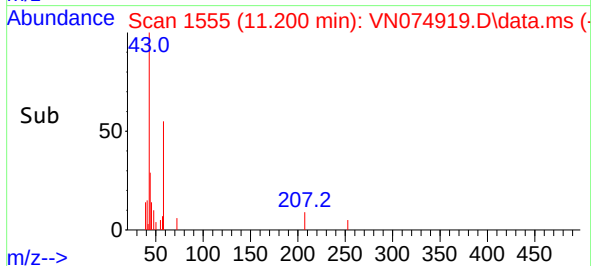
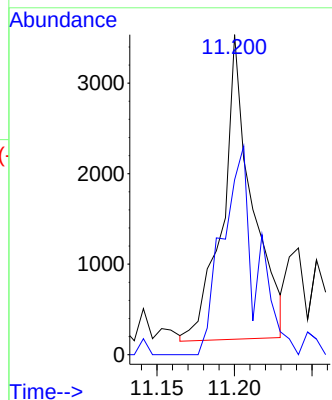
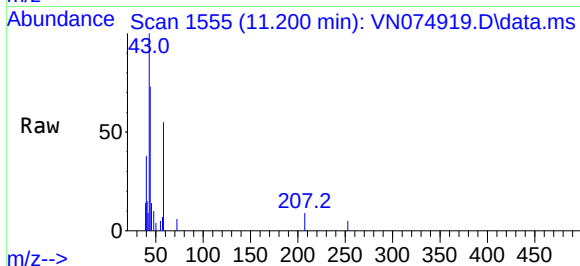




#59
2-Hexanone
Concen: 0.428 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

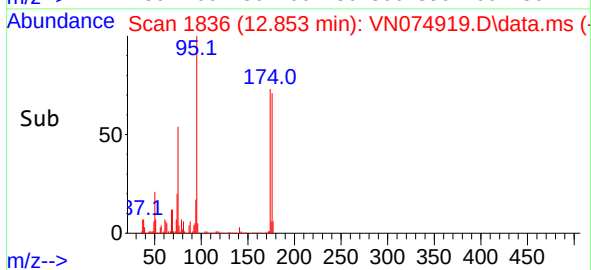
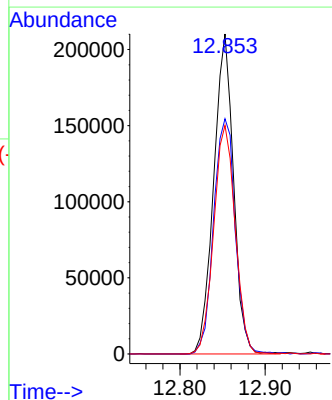
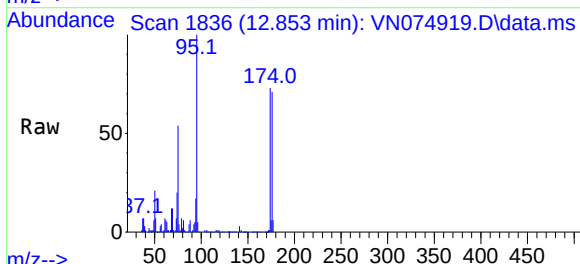
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

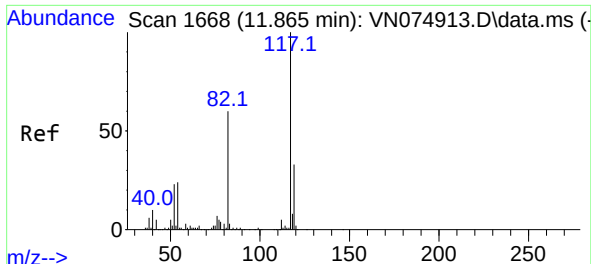
Tgt Ion: 43 Resp: 4425
Ion Ratio Lower Upper
43 100
58 78.4 26.3 78.9



#62
4-Bromofluorobenzene
Concen: 41.528 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion: 95 Resp: 339522
Ion Ratio Lower Upper
95 100
174 80.4 0.0 157.8
176 77.4 0.0 148.0

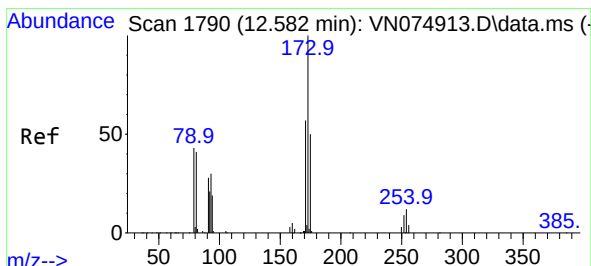
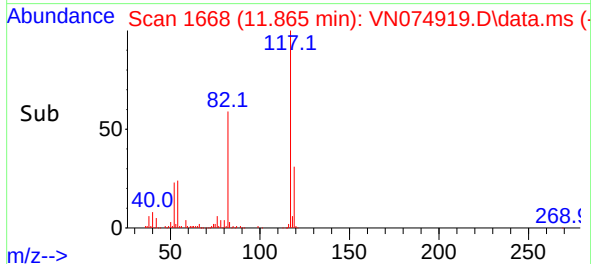
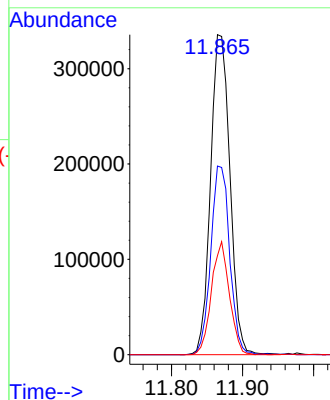
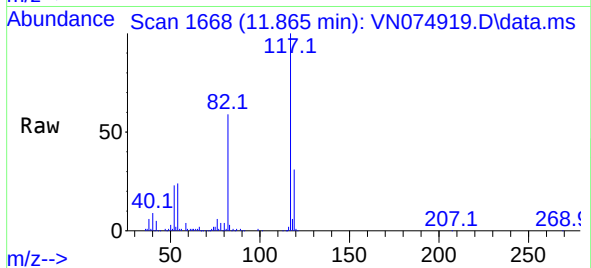




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

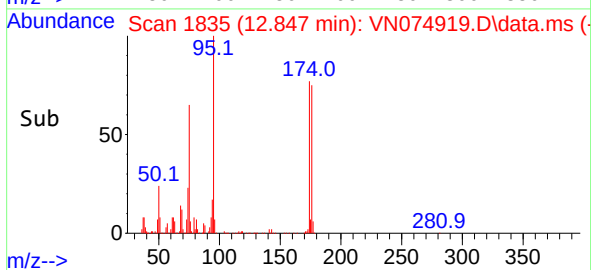
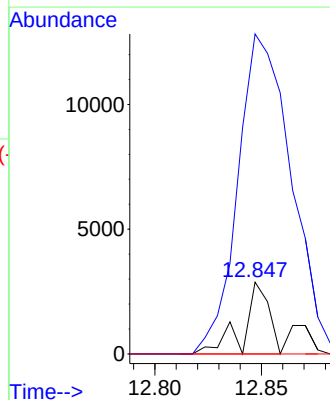
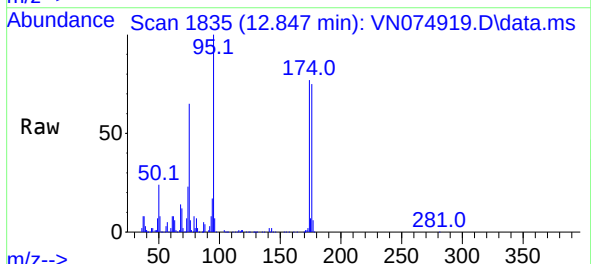
Instrument :
MSVOA_N
ClientSampleId :
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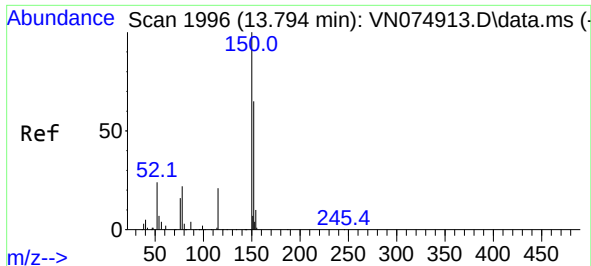
Tgt Ion:117 Resp: 635594
Ion Ratio Lower Upper
117 100
82 59.0 48.0 72.0
119 31.0 26.1 39.1



#71
Bromoform
Concen: 0.502 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion:173 Resp: 2396
Ion Ratio Lower Upper
173 100
175 739.8 24.5 73.5#
254 0.0 0.0 0.0

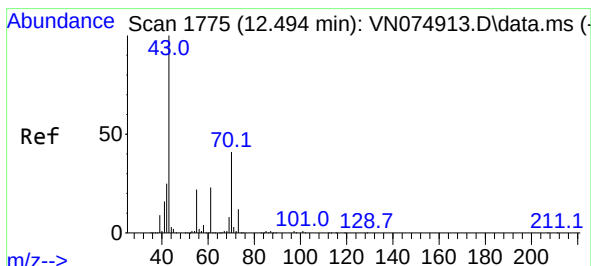
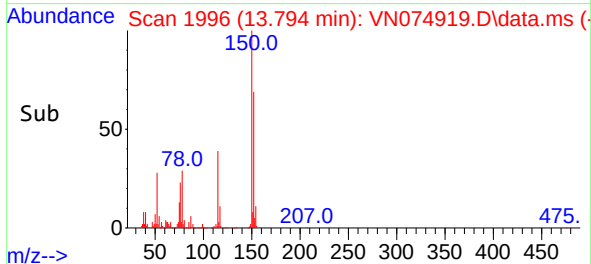
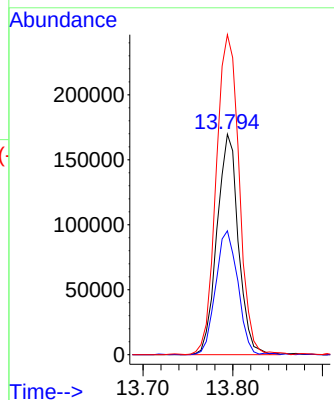
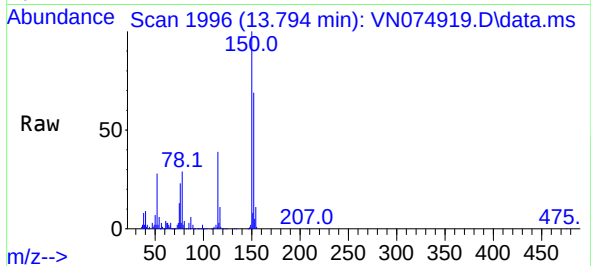




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

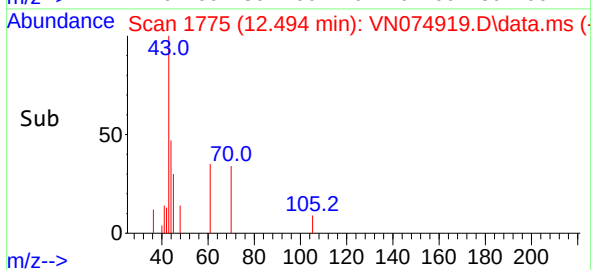
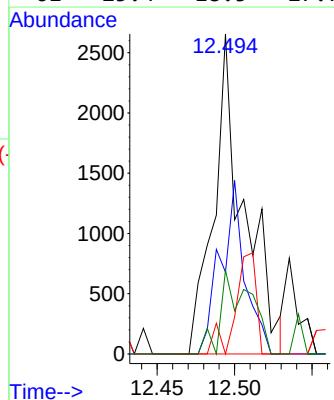
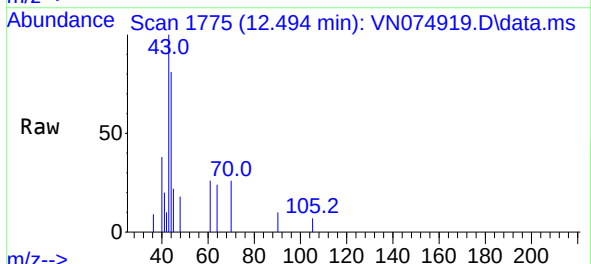
Instrument :
MSVOA_N
ClientSampleId :
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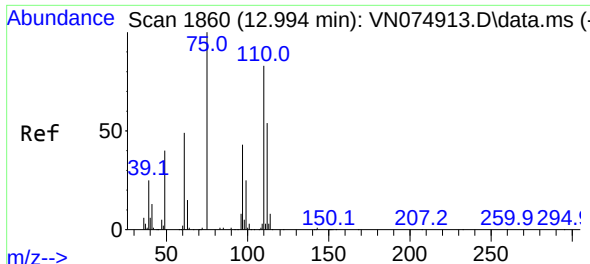
Tgt Ion:152 Resp: 281264
Ion Ratio Lower Upper
152 100
115 58.4 29.7 89.1
150 155.5 0.0 341.6



#74
N-ethyl acetate
Concen: 0.243 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion: 43 Resp: 3603
Ion Ratio Lower Upper
43 100
70 43.4 32.1 48.1
55 21.6 17.7 26.5
61 25.4 18.5 27.7

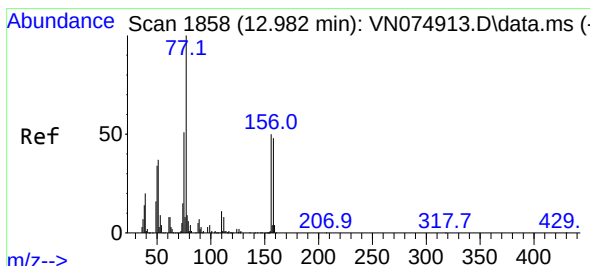
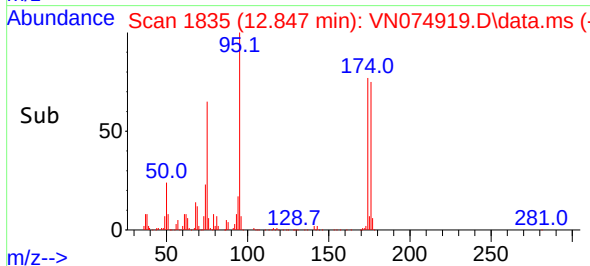
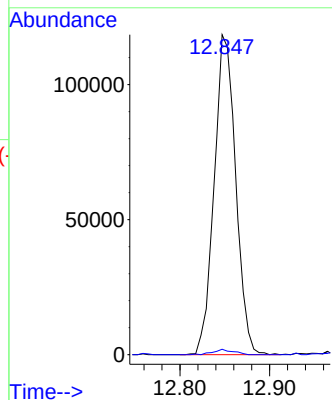
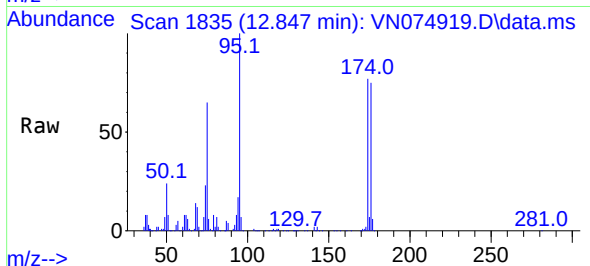




#76
1,2,3-Trichloropropane
Concen: 24.823 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

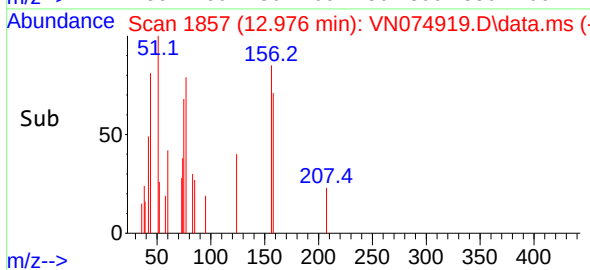
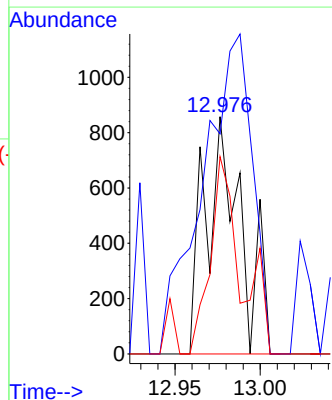
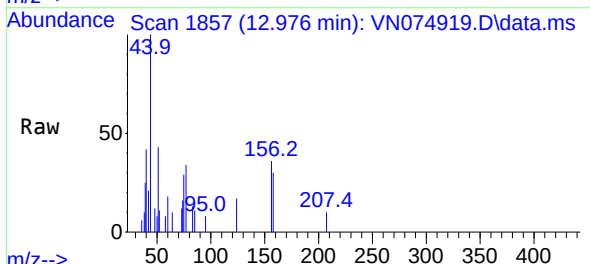
Instrument :
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ClientSampleId :
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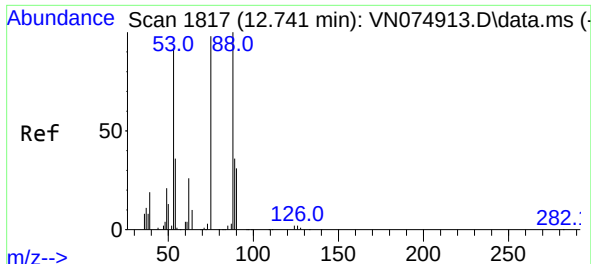
Tgt Ion: 75 Resp: 197334
Ion Ratio Lower Upper
75 100
77 1.6 77.8 233.5#



#77
Bromobenzene
Concen: 0.217 ug/l
RT: 12.976 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion:156 Resp: 1267
Ion Ratio Lower Upper
156 100
77 185.2 116.7 350.1
158 69.9 48.2 144.6

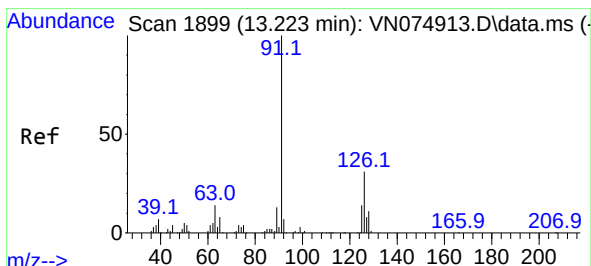
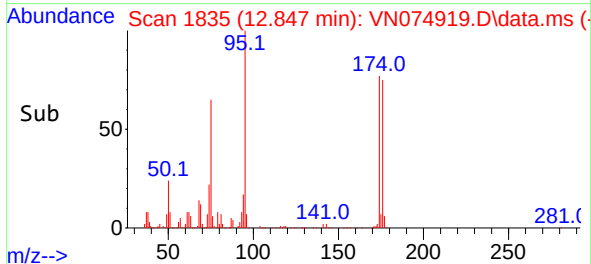
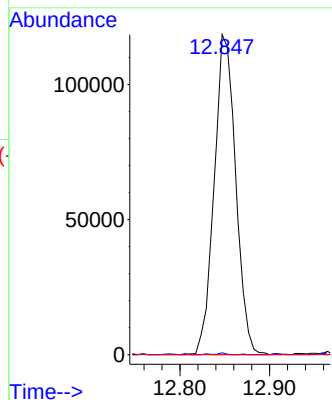
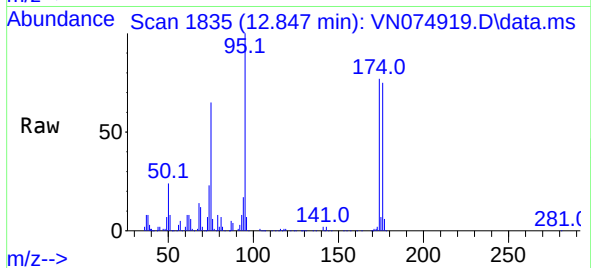




#81
trans-1,4-Dichloro-2-butene
Concen: 59.667 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

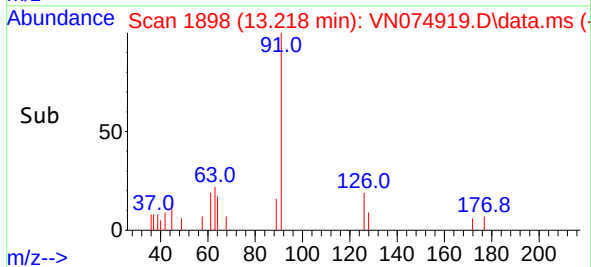
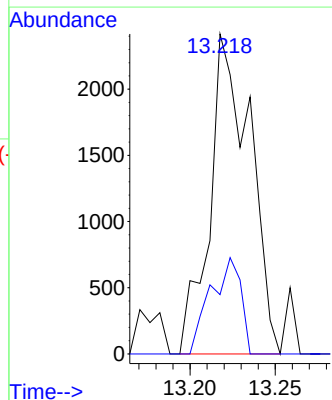
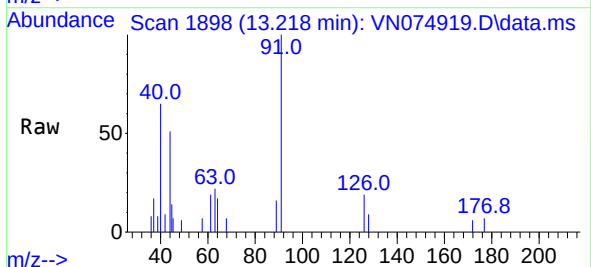
Instrument :
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ClientSampleId :
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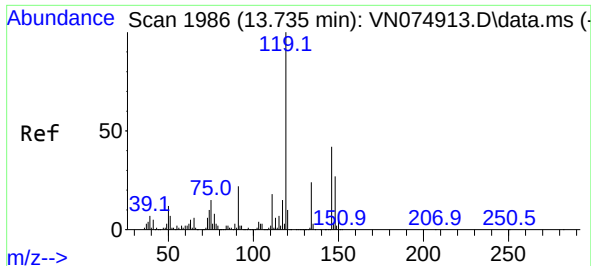
Tgt Ion: 75 Resp: 197334
Ion Ratio Lower Upper
75 100
53 0.3 82.4 123.6#
89 0.0 34.7 52.1#



#82
4-Chlorotoluene
Concen: 0.235 ug/l
RT: 13.218 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion: 91 Resp: 3981
Ion Ratio Lower Upper
91 100
126 22.5 16.0 47.9

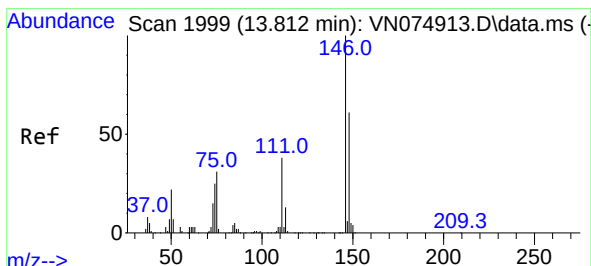
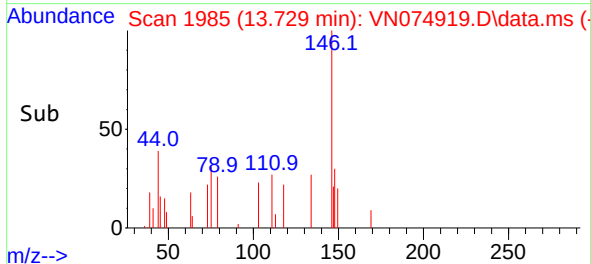
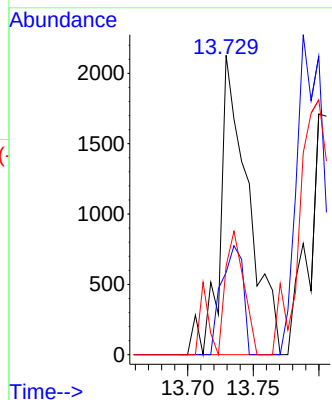
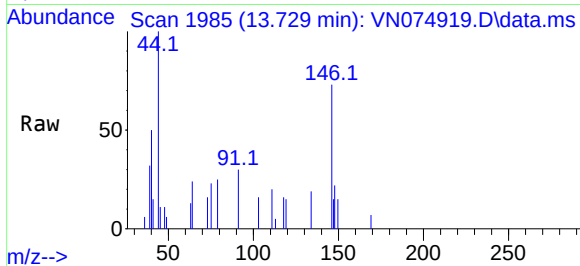




#87
 1,3-Dichlorobenzene
 Concen: 0.328 ug/l
 RT: 13.729 min Scan# 1985
 Delta R.T. -0.006 min
 Lab File: VN074919.D
 Acq: 17 Oct 2022 16:32

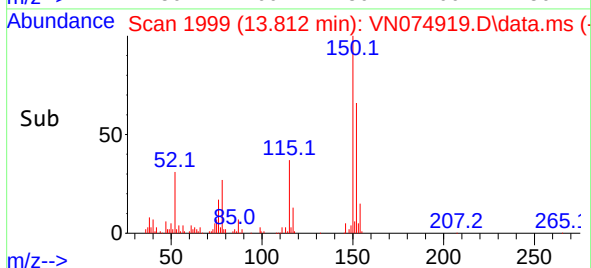
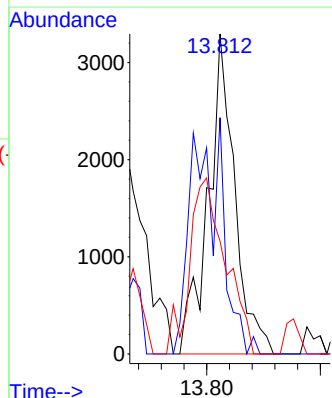
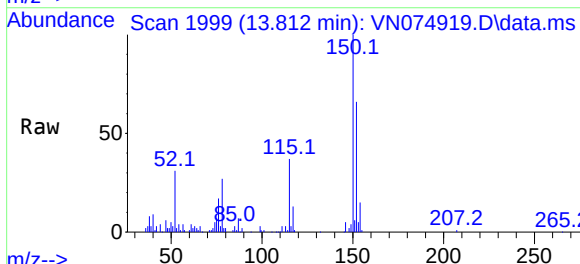
Instrument :
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 ClientSampleId :
 VN1017WBL01

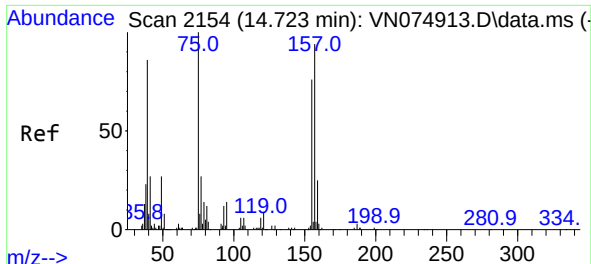
Tgt Ion:146 Resp: 3176
 Ion Ratio Lower Upper
 146 100
 111 27.9 20.3 60.9
 148 26.8 31.4 94.0#



#88
 1,4-Dichlorobenzene
 Concen: 0.524 ug/l
 RT: 13.812 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VN074919.D
 Acq: 17 Oct 2022 16:32

Tgt Ion:146 Resp: 5350
 Ion Ratio Lower Upper
 146 100
 111 84.2 19.4 58.1#
 148 74.0 31.8 95.3

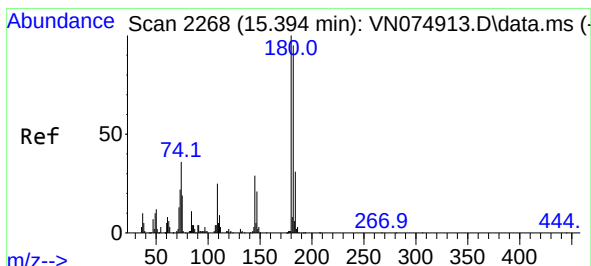
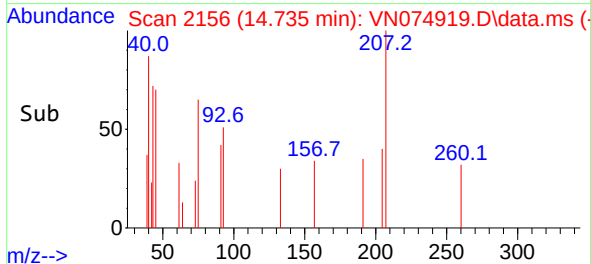
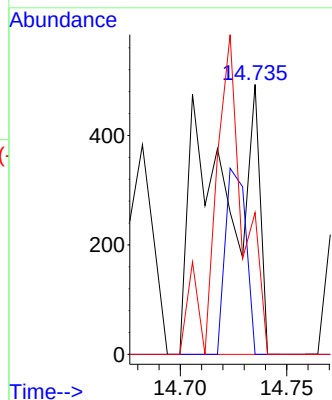
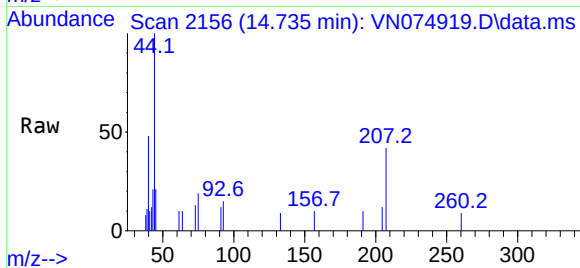




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.436 ug/l
 RT: 14.735 min Scan# 2154
 Delta R.T. 0.012 min
 Lab File: VN074919.D
 Acq: 17 Oct 2022 16:32

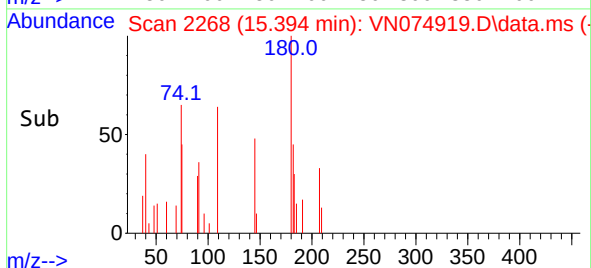
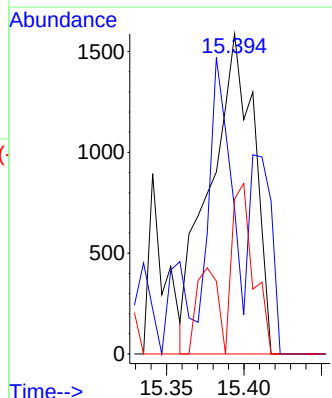
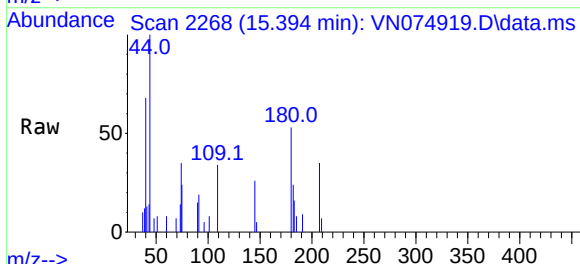
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBL01

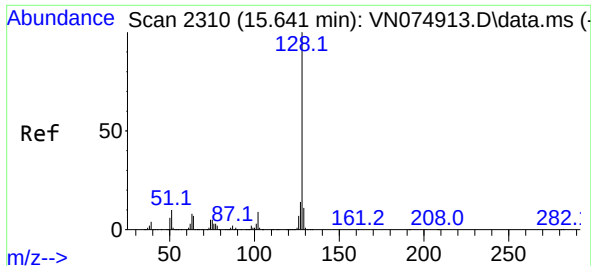
Tgt Ion: 75 Resp: 725
 Ion Ratio Lower Upper
 75 100
 155 31.4 39.9 119.6#
 157 75.4 50.6 151.8



#93
 1,2,4-Trichlorobenzene
 Concen: 0.692 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. 0.000 min
 Lab File: VN074919.D
 Acq: 17 Oct 2022 16:32

Tgt Ion: 180 Resp: 3130
 Ion Ratio Lower Upper
 180 100
 182 30.7 49.1 147.3#
 145 25.8 15.4 46.4

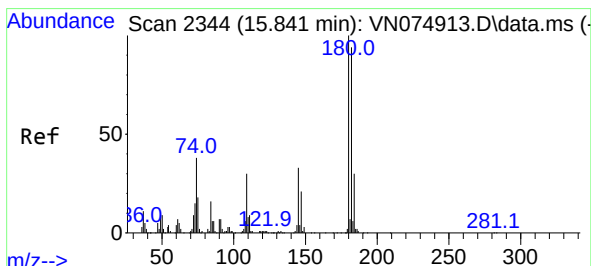
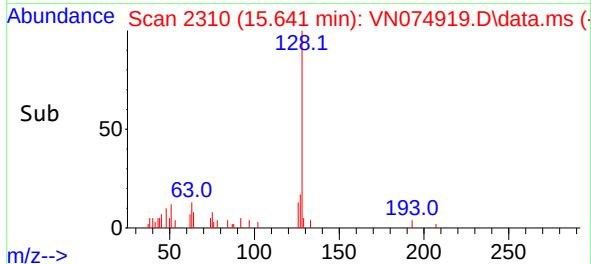
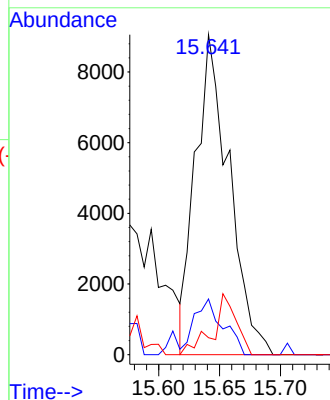
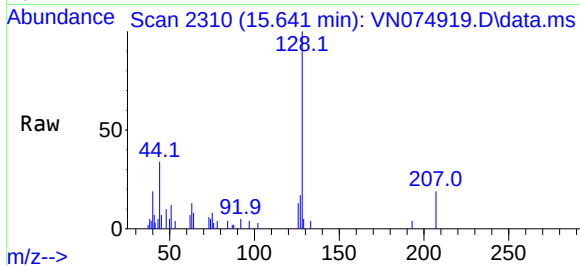




#95
Naphthalene
Concen: 0.892 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

Tgt Ion:128 Resp: 17379
Ion Ratio Lower Upper
128 100
127 16.9 10.8 16.2#
129 13.2 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.665 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. 0.000 min
Lab File: VN074919.D
Acq: 17 Oct 2022 16:32

Tgt Ion:180 Resp: 3139
Ion Ratio Lower Upper
180 100
182 45.0 46.9 140.6#
145 15.6 15.8 47.4#

