

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101222\
 Data File : VN074875.D
 Acq On : 12 Oct 2022 14:29
 Operator : JC\MD
 Sample : VN1012WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBL01

Quant Time: Oct 13 07:55:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 Response via : Initial Calibration

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

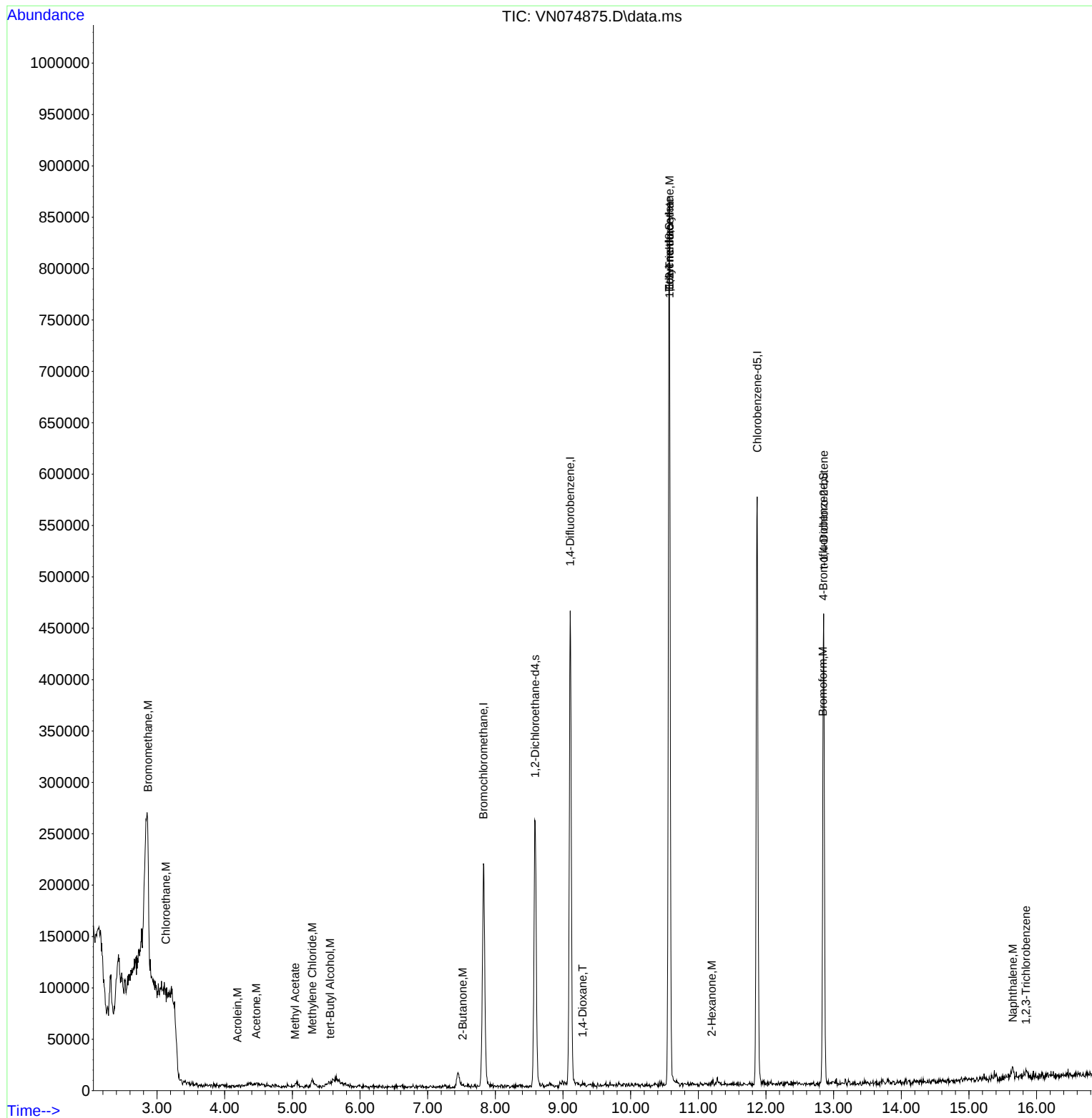
Internal Standards						
1) Bromochloromethane	7.824	128	66456	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	376850	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	313500	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	197609	31.761	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.867%
60) 4-Bromofluorobenzene	12.847	95	139477	25.088	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.633%
63) Toluene-d8	10.571	98	582356	32.186	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	107.300%
Target Compounds						
					Qvalue	
5) Bromomethane	2.865	94	1452	0.208	ug/l	99
6) Chloroethane	3.130	64	2152	0.326	ug/l #	48
12) Methyl Acetate	5.042	43	2640	0.270	ug/l	90
13) Acrolein	4.189	56	510	0.369	ug/l	99
15) Acetone	4.465	58	211	0.211	ug/l #	22
18) Methylene Chloride	5.295	84	1389	0.264	ug/l #	63
23) tert-Butyl Alcohol	5.559	59	326	0.212	ug/l #	100
30) 2-Butanone	7.518	43	1416	0.261	ug/l #	55
45) 1,4-Dioxane	9.288	88	133	0.889	ug/l #	1
50) 1,1,2-Trichloroethane	10.577	97	19721	3.471	ug/l #	1
51) Ethyl methacrylate	10.571	69	2050	0.212	ug/l #	36
56) Bromoform	12.841	173	905	0.226	ug/l #	55
59) 2-Hexanone	11.200	43	1515	0.202	ug/l #	69
77) t-1,4-Dichloro-2-butene	12.853	75	83532	27.581	ug/l #	15
91) Naphthalene	15.647	128	8367	0.490	ug/l #	87
92) 1,2,3-Trichlorobenzene	15.841	180	1267	0.282	ug/l	78

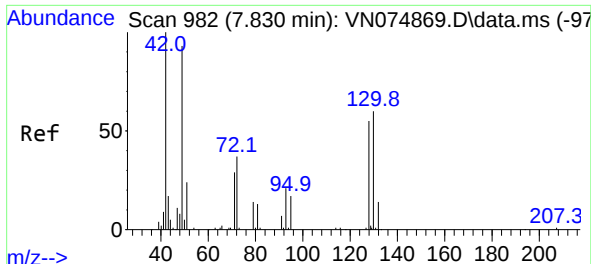
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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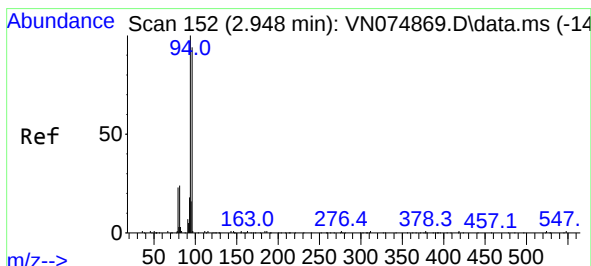
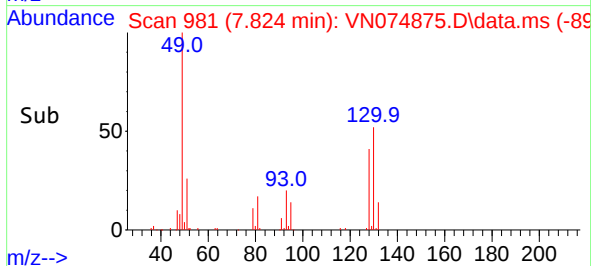
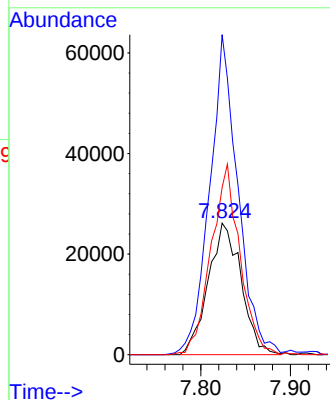
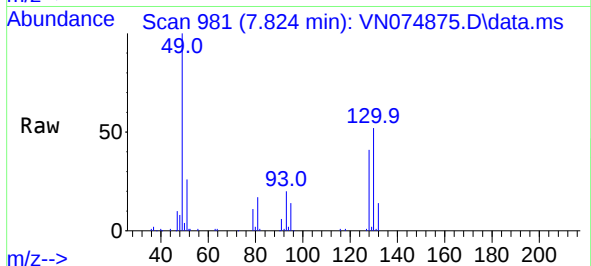




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

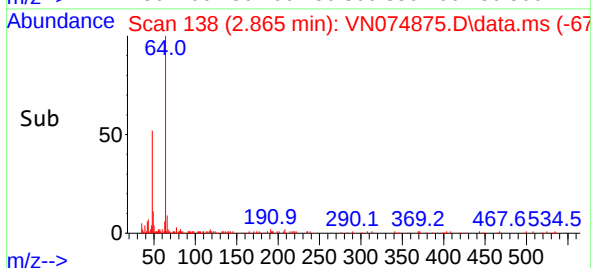
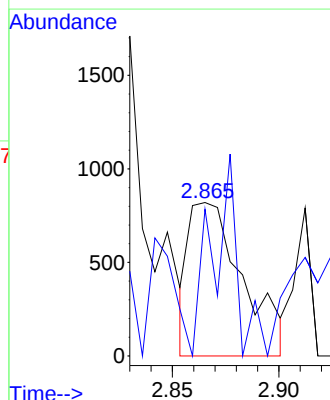
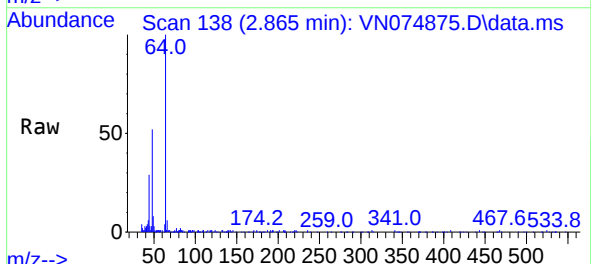
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBL01

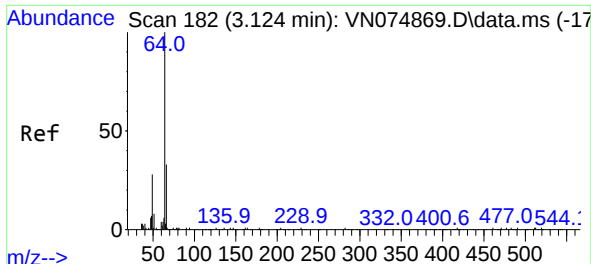
Tgt Ion:128 Resp: 66456
Ion Ratio Lower Upper
128 100
49 207.0 0.0 492.0
130 126.7 0.0 313.3



#5
Bromomethane
Concen: 0.208 ug/l
RT: 2.865 min Scan# 138
Delta R.T. -0.082 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

Tgt Ion: 94 Resp: 1452
Ion Ratio Lower Upper
94 100
96 86.2 68.3 102.5

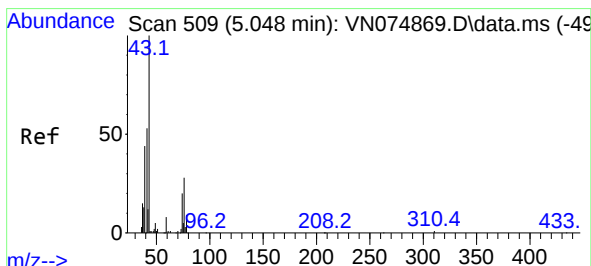
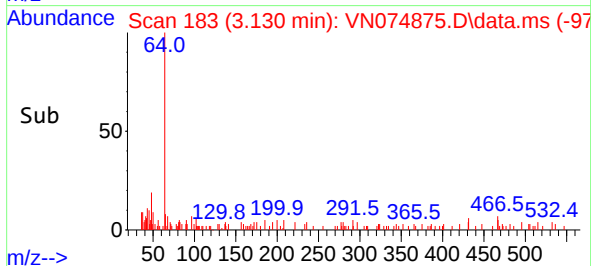
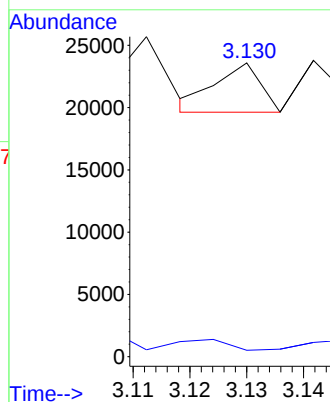
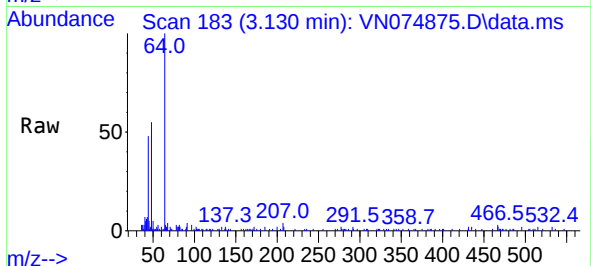




#6
Chloroethane
Concen: 0.326 ug/l
RT: 3.130 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

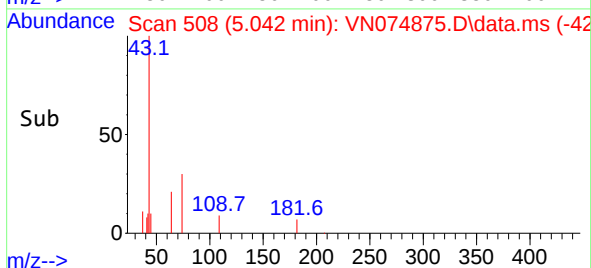
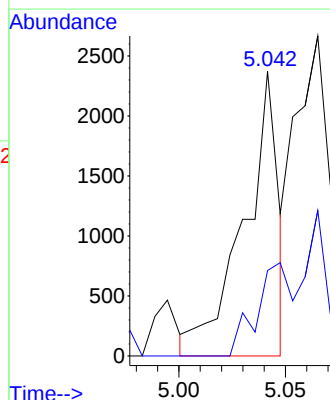
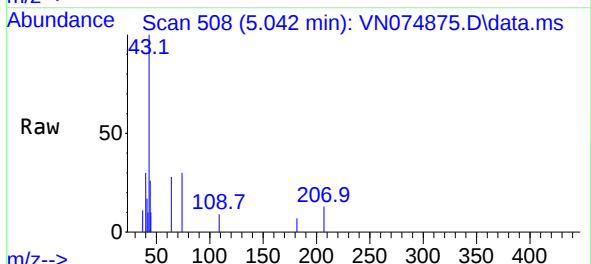
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBL01

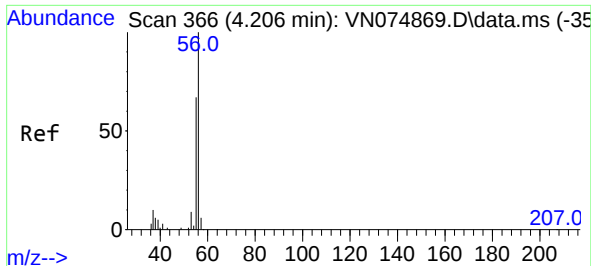
Tgt Ion: 64 Resp: 2152
Ion Ratio Lower Upper
64 100
66 0.0 21.8 32.8#



#12
Methyl Acetate
Concen: 0.270 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.006 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

Tgt Ion: 43 Resp: 2640
Ion Ratio Lower Upper
43 100
74 19.1 19.0 28.6

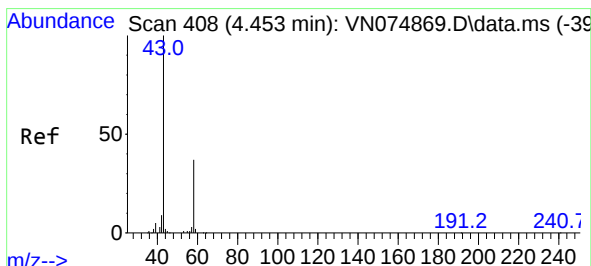
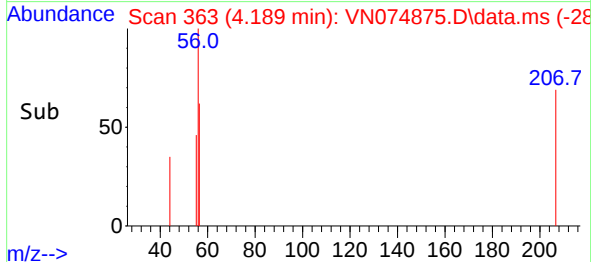
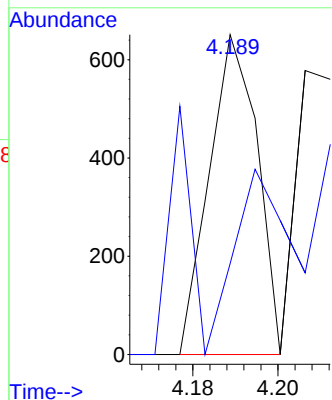
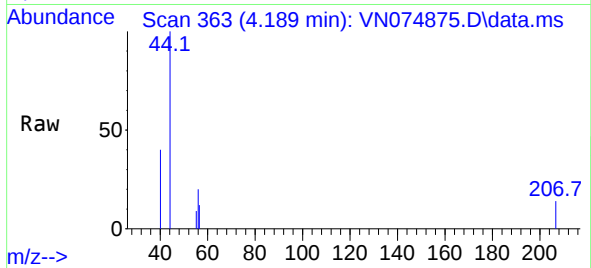




#13
Acrolein
Concen: 0.369 ug/l
RT: 4.189 min Scan# 30
Delta R.T. -0.018 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

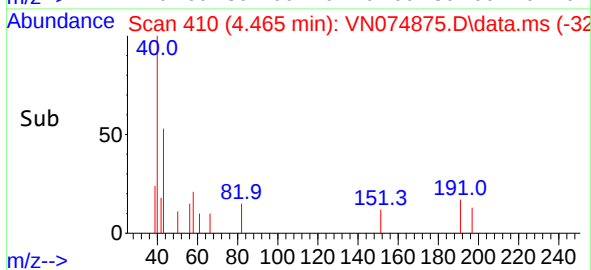
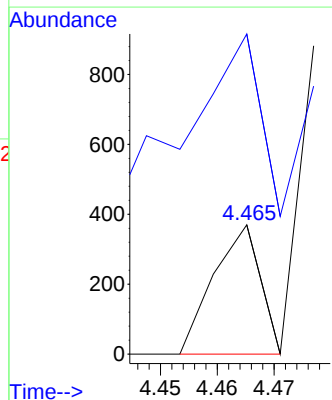
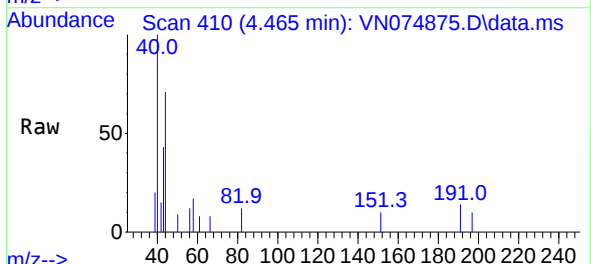
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBL01

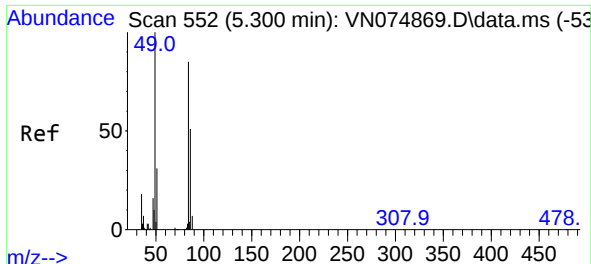
Tgt Ion: 56 Resp: 510
Ion Ratio Lower Upper
56 100
55 69.2 56.2 84.2



#15
Acetone
Concen: 0.211 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

Tgt Ion: 58 Resp: 211
Ion Ratio Lower Upper
58 100
43 141.1 232.2 348.4#





#18

Methylene Chloride

Concen: 0.264 ug/l

RT: 5.295 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN074875.D

Acq: 12 Oct 2022 14:29

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBL01

Tgt Ion: 84 Resp: 1389

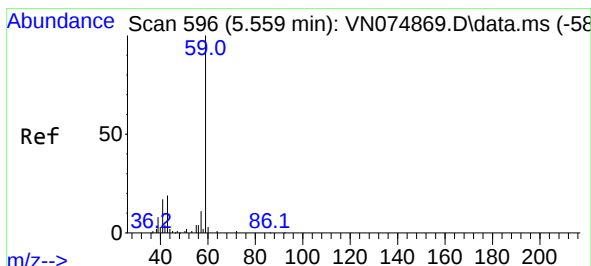
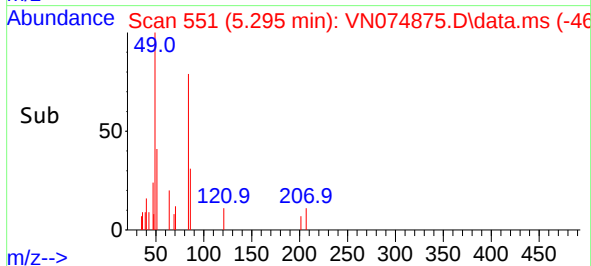
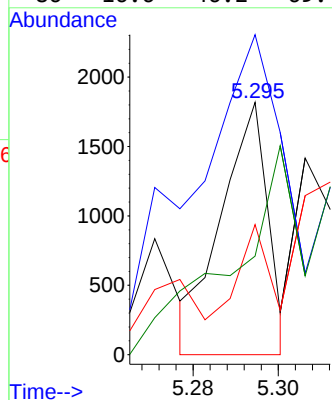
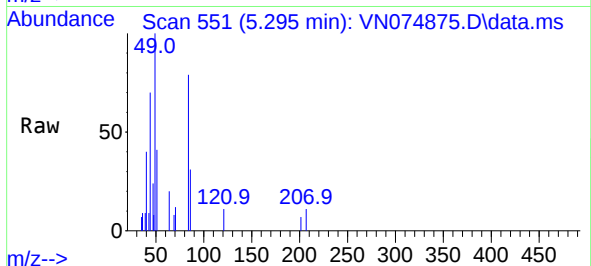
Ion Ratio Lower Upper

84 100

49 82.8 99.6 149.4#

51 40.7 28.2 42.2

86 16.6 46.2 69.4#



#23

tert-Butyl Alcohol

Concen: 0.212 ug/l

RT: 5.559 min Scan# 596

Delta R.T. -0.000 min

Lab File: VN074875.D

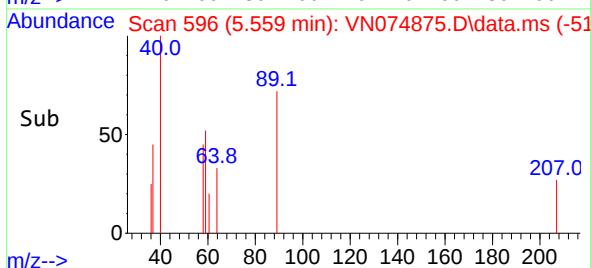
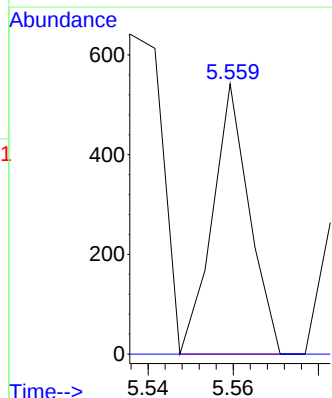
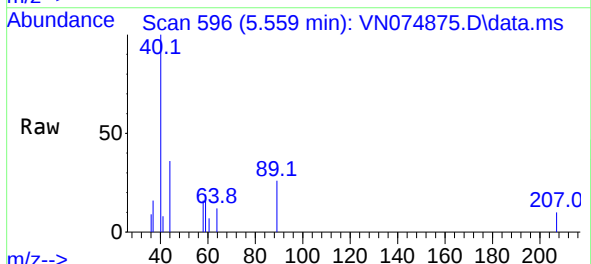
Acq: 12 Oct 2022 14:29

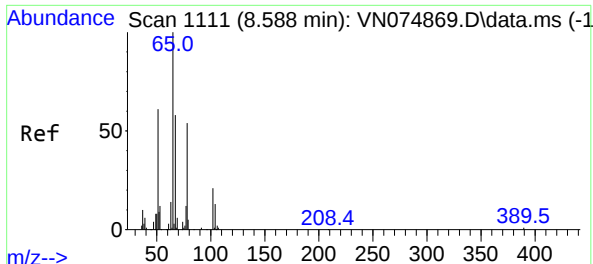
Tgt Ion: 59 Resp: 326

Ion Ratio Lower Upper

59 100

52 0.0 0.2 0.4#

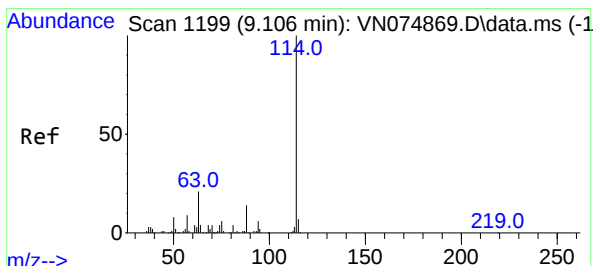
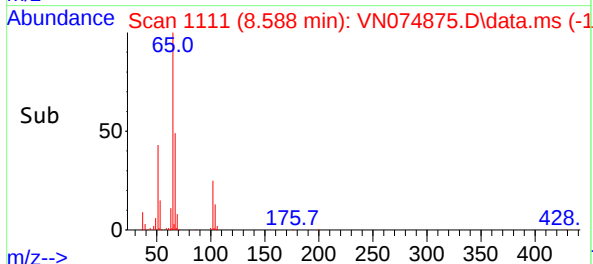
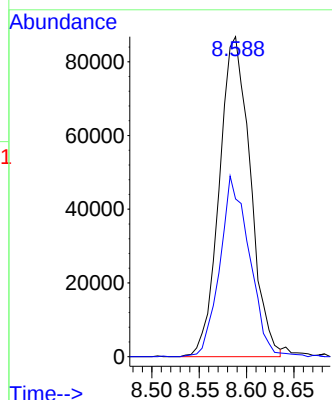
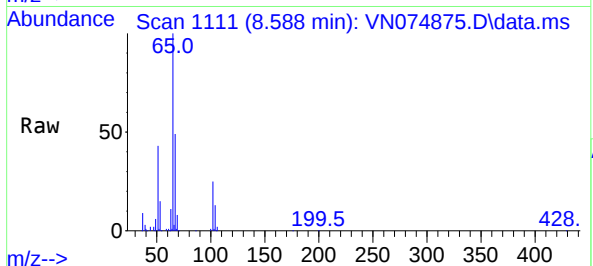




#27
1,2-Dichloroethane-d4
Concen: 31.761 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

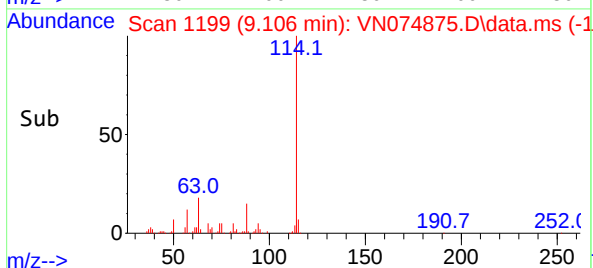
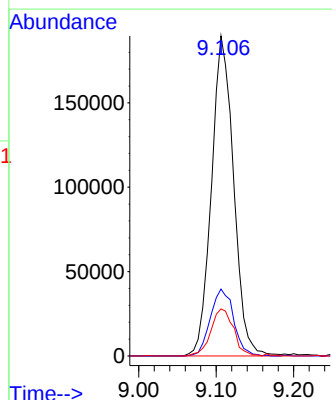
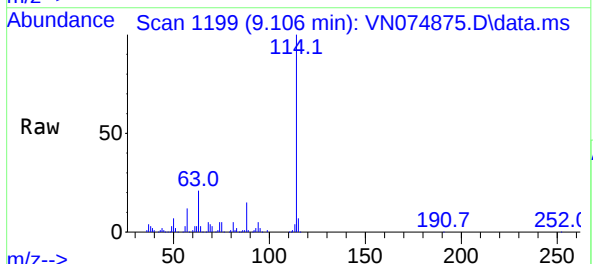
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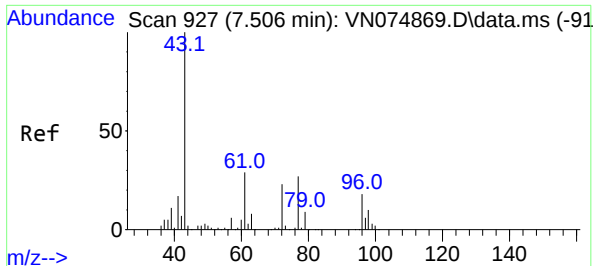
Tgt Ion: 65 Resp: 197609
Ion Ratio Lower Upper
65 100
67 53.6 45.2 67.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

Tgt Ion: 114 Resp: 376850
Ion Ratio Lower Upper
114 100
63 22.0 16.6 25.0
88 15.0 12.2 18.4

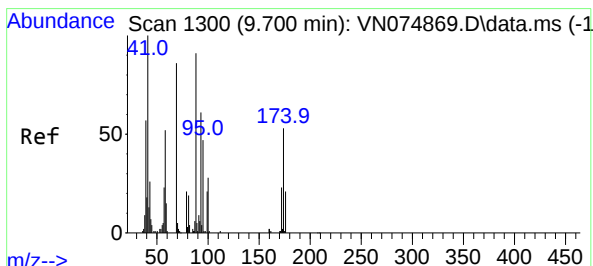
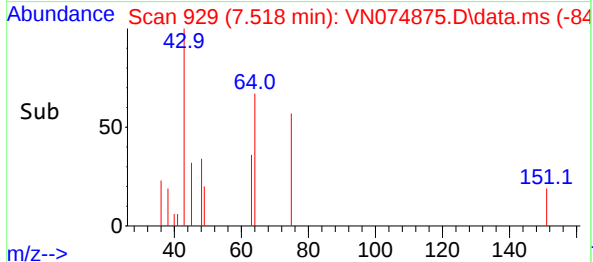
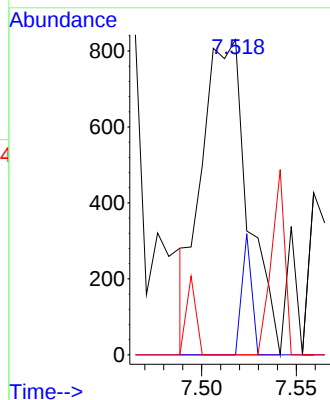
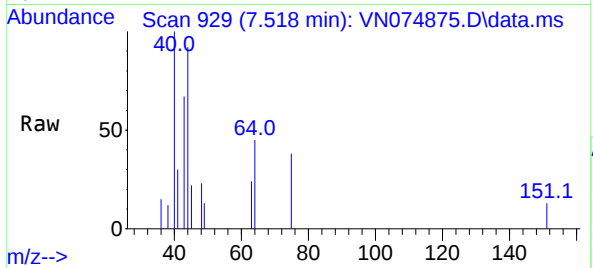




#30
2-Butanone
Concen: 0.261 ug/l
RT: 7.518 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

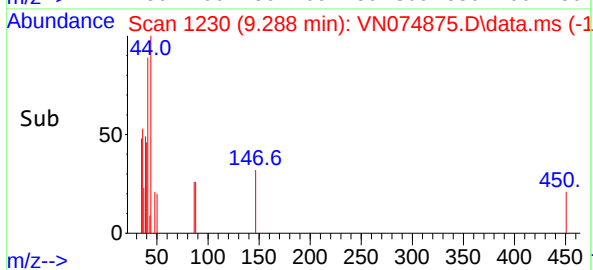
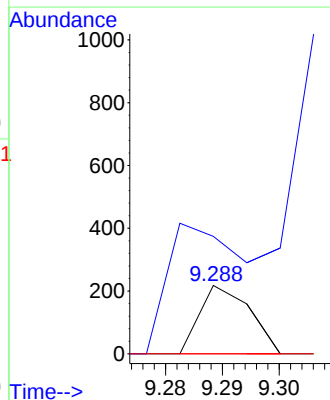
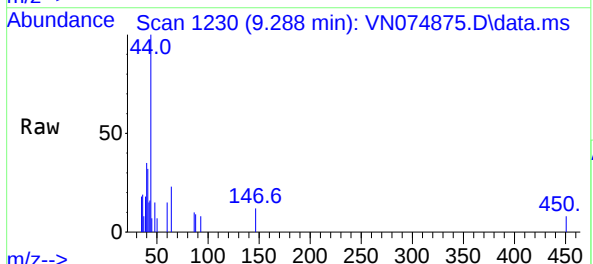
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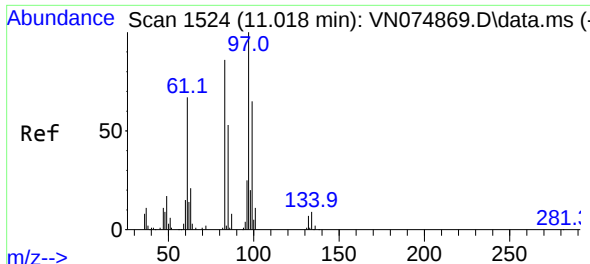
Tgt Ion: 43 Resp: 1416
Ion Ratio Lower Upper
43 100
57 0.0 6.3 9.5#
72 0.0 21.0 31.4#



#45
1,4-Dioxane
Concen: 0.889 ug/l
RT: 9.288 min Scan# 1230
Delta R.T. -0.412 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

Tgt Ion: 88 Resp: 133
Ion Ratio Lower Upper
88 100
43 286.5 25.7 38.5#
58 0.0 53.4 80.2#

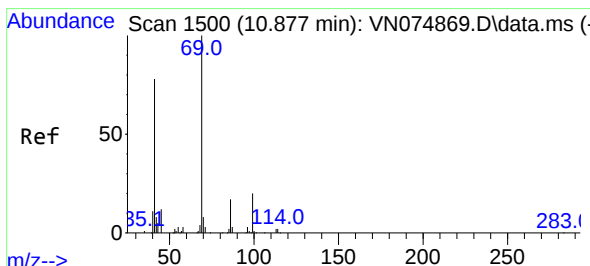
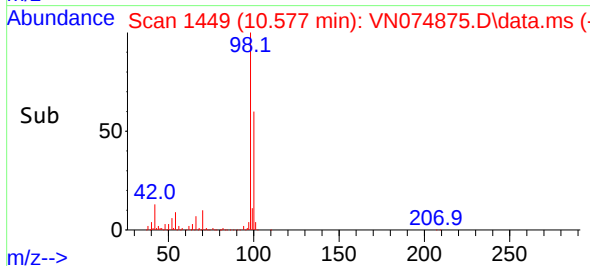
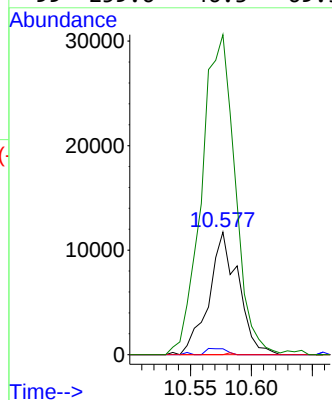
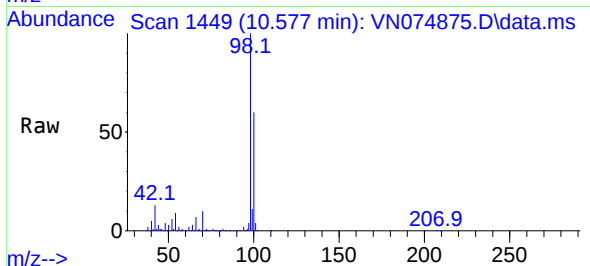




#50
1,1,2-Trichloroethane
Concen: 3.471 ug/l
RT: 10.577 min Scan# 1449
Delta R.T. -0.441 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

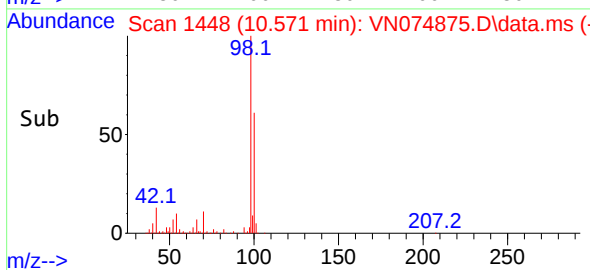
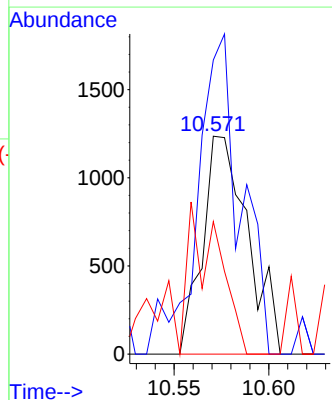
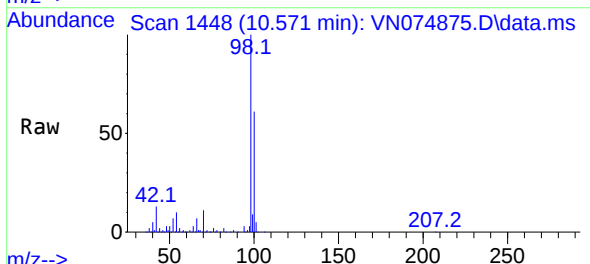
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBL01

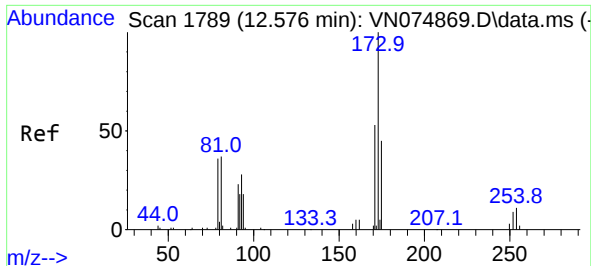
Tgt Ion: 97	Resp: 19721
Ion Ratio	Lower Upper
97 100	
83 4.8	69.2 103.8#
85 0.0	41.4 62.2#
99 259.6	46.3 69.5#



#51
Ethyl methacrylate
Concen: 0.212 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.306 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

Tgt Ion: 69	Resp: 2050
Ion Ratio	Lower Upper
69 100	
41 135.0	32.5 97.5#
39 60.8	21.5 64.5

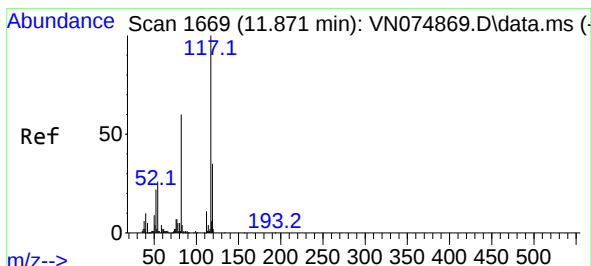
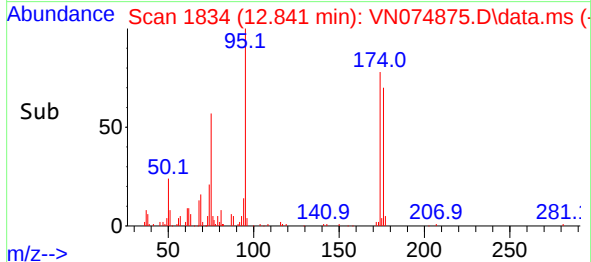
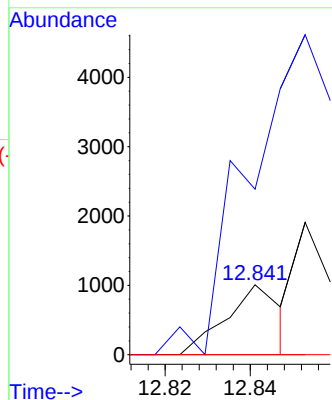
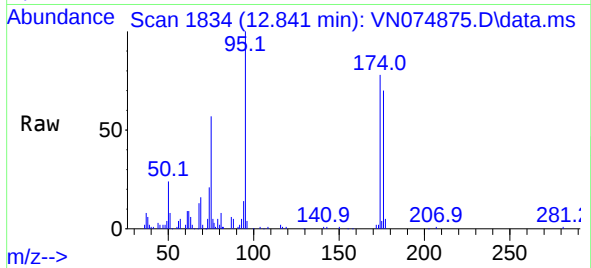




#56
Bromoform
Concen: 0.226 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

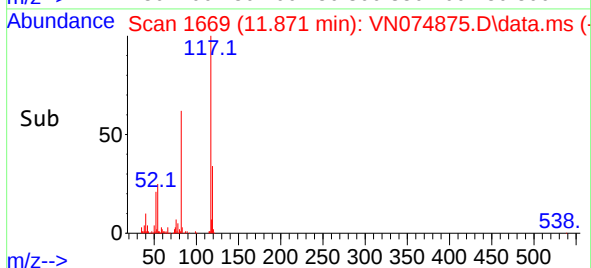
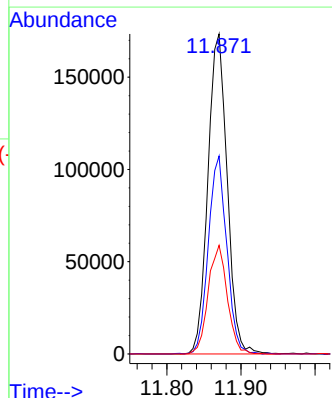
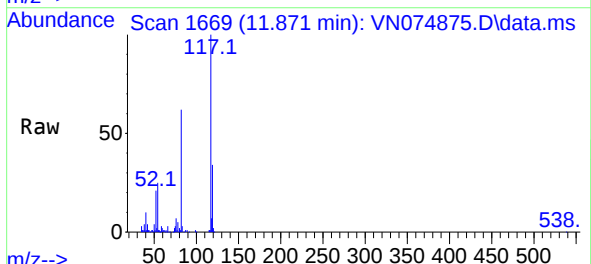
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBL01

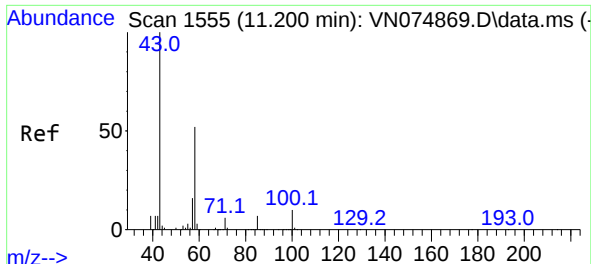
Tgt Ion:173 Resp: 905
Ion Ratio Lower Upper
173 100
175 15.7 39.1 58.7#
254 0.0 7.0 10.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

Tgt Ion:117 Resp: 313500
Ion Ratio Lower Upper
117 100
82 59.1 44.6 67.0
119 33.6 25.6 38.4

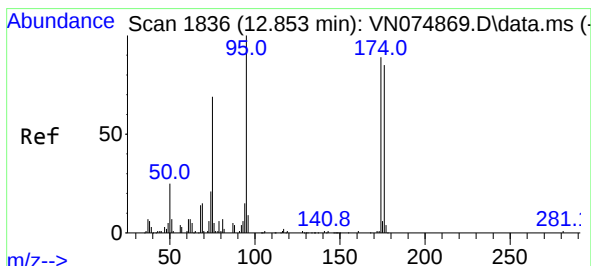
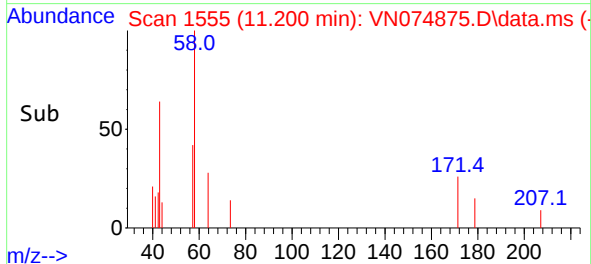
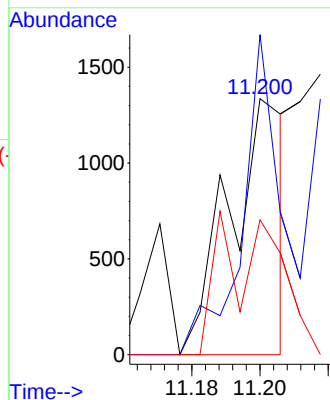
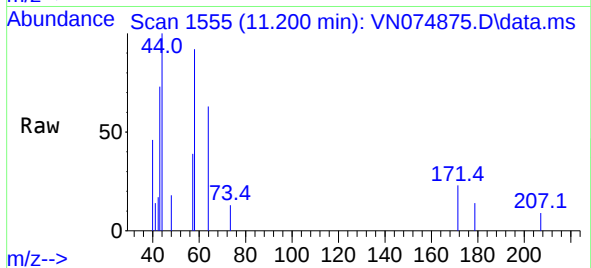




#59
2-Hexanone
Concen: 0.202 ug/l
RT: 11.200 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

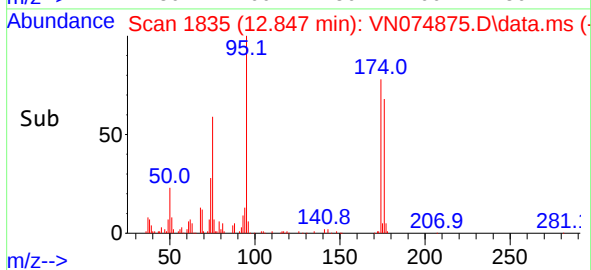
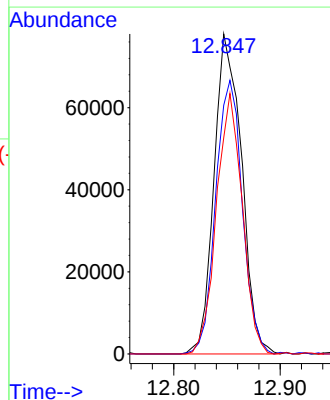
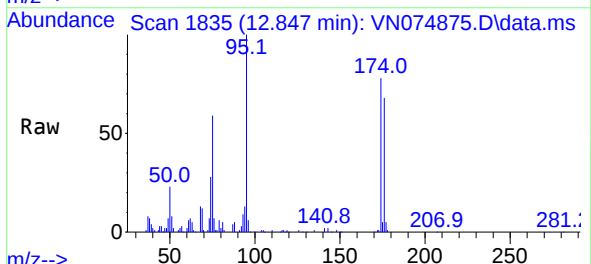
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBL01

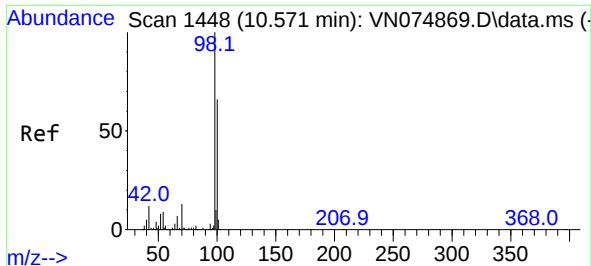
Tgt Ion: 43 Resp: 1515
Ion Ratio Lower Upper
43 100
58 76.1 43.6 65.4#
57 33.5 14.3 21.5#



#60
4-Bromofluorobenzene
Concen: 25.088 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

Tgt Ion: 95 Resp: 139477
Ion Ratio Lower Upper
95 100
174 83.2 57.8 86.8
176 76.4 57.0 85.4

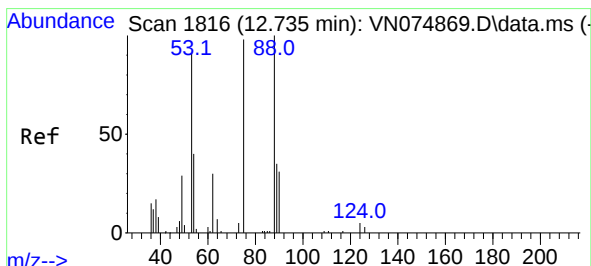
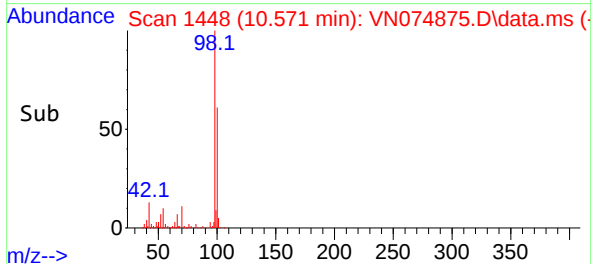
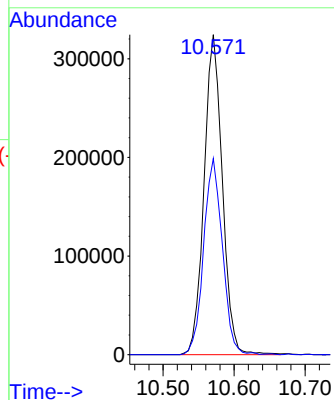
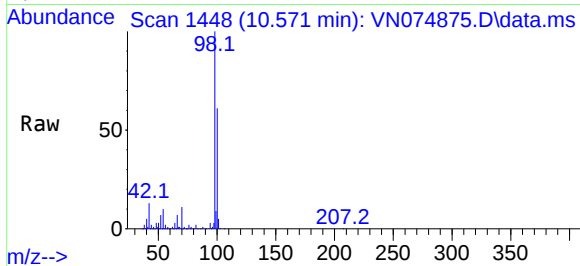




#63
Toluene-d8
Concen: 32.186 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

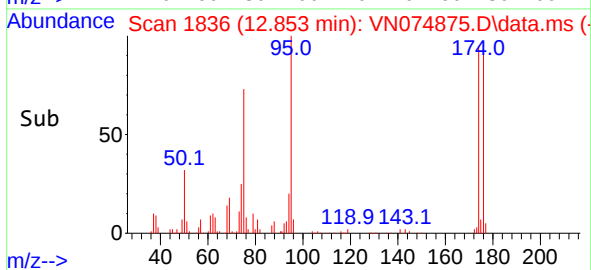
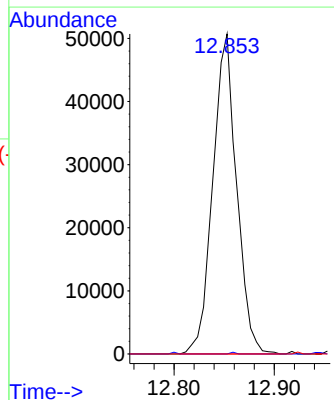
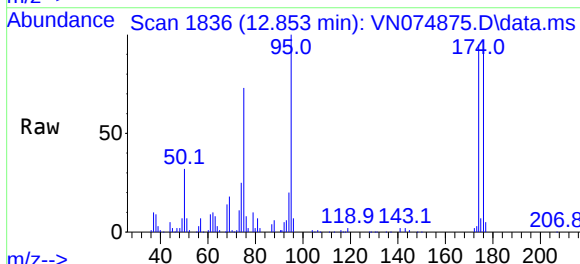
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBL01

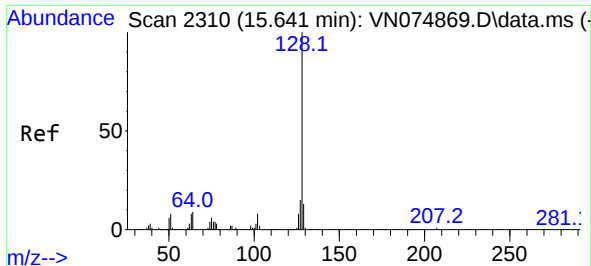
Tgt Ion: 98 Resp: 582356
Ion Ratio Lower Upper
98 100
100 62.5 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 27.581 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

Tgt Ion: 75 Resp: 83532
Ion Ratio Lower Upper
75 100
53 0.0 43.3 129.9#
89 0.0 21.1 63.1#

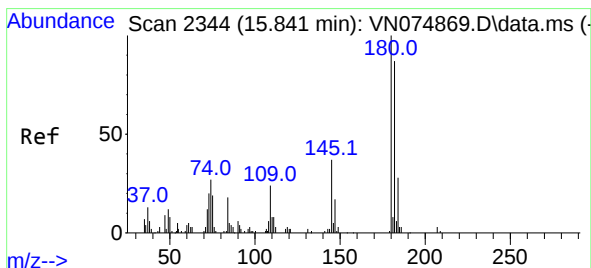
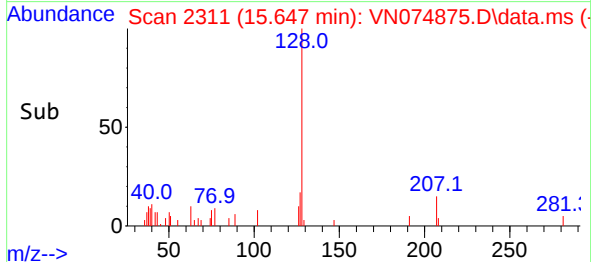
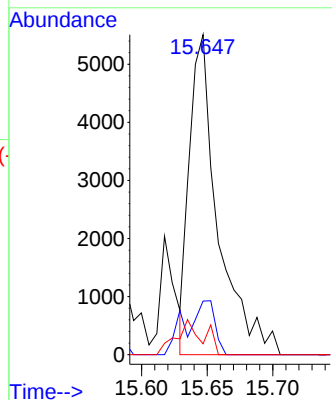
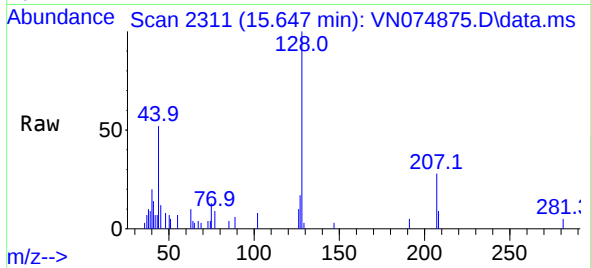




#91
Naphthalene
Concen: 0.490 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBL01

Tgt Ion:128 Resp: 8367
Ion Ratio Lower Upper
128 100
127 11.4 10.7 16.1
129 2.2 8.9 13.3#



#92
1,2,3-Trichlorobenzene
Concen: 0.282 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN074875.D
Acq: 12 Oct 2022 14:29

Tgt Ion:180 Resp: 1267
Ion Ratio Lower Upper
180 100
182 103.0 0.0 185.4
145 5.1 0.0 68.6

