

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074514.D
 Acq On : 16 Sep 2022 16:46
 Operator : JC\MD
 Sample : N4508-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB02-090222

Quant Time: Sep 16 22:34:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

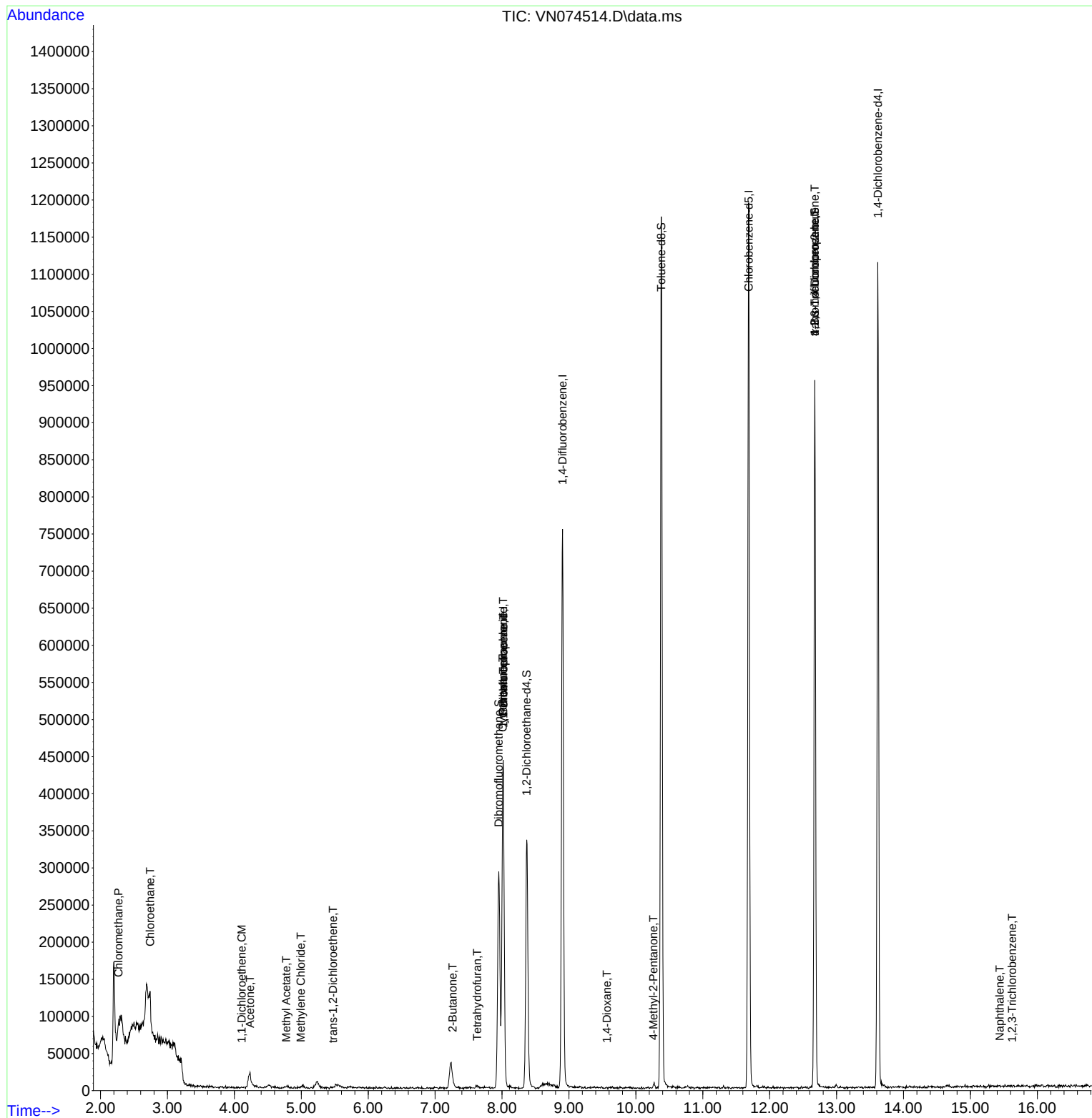
Internal Standards						
1) Pentafluorobenzene	8.016	168	311947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	630003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	620443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	262421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	258669	48.871	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.740%
35) Dibromofluoromethane	7.951	113	208113	49.728	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.460%
50) Toluene-d8	10.381	98	775713	47.928	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.860%
62) 4-Bromofluorobenzene	12.674	95	292144	52.702	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	2122	0.628	ug/l #	67
6) Chloroethane	2.740	64	13041	3.124	ug/l #	55
12) 1,1-Dichloroethene	4.110	96	159	0.723	ug/l #	1
16) Acetone	4.234	43	36322	10.724	ug/l #	75
18) Methyl Acetate	4.775	43	4043	0.384	ug/l #	69
20) Methylene Chloride	4.993	84	1846	0.388	ug/l #	66
21) trans-1,2-Dichloroethene	5.475	96	244	0.483	ug/l #	1
25) 2-Butanone	7.263	43	10724	1.907	ug/l	91
29) Tetrahydrofuran	7.628	42	3247	0.878	ug/l #	58
31) Cyclohexane	8.010	56	9536	1.015	ug/l #	56
36) 1,1-Dichloropropene	8.022	75	31601	4.266	ug/l #	46
38) Carbon Tetrachloride	8.016	117	32525	4.756	ug/l #	18
49) 1,4-Dioxane	9.569	88	67	0.439	ug/l #	1
51) 4-Methyl-2-Pentanone	10.263	43	4350	0.372	ug/l #	60
76) 1,2,3-Trichloropropane	12.674	75	173447	21.473	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	173447	46.345	ug/l #	11
95) Naphthalene	15.439	128	399	1.606	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.621	180	80	1.351	ug/l #	12

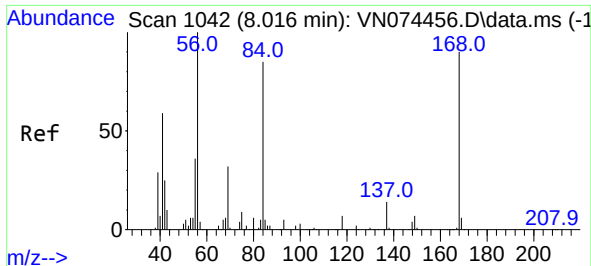
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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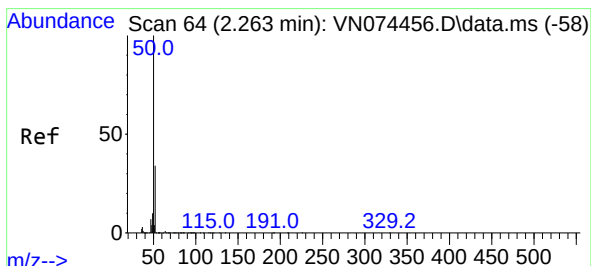
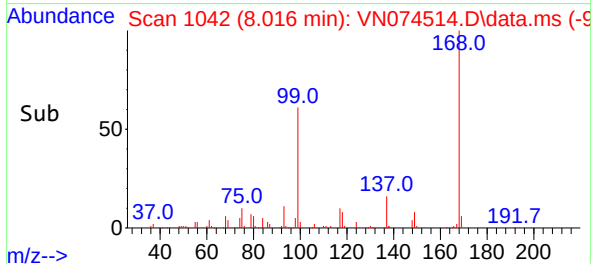
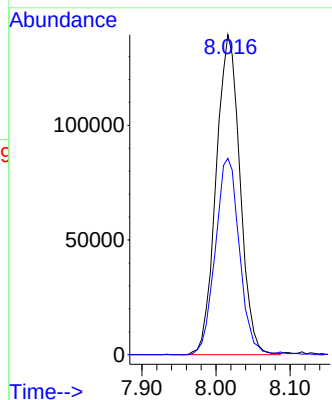
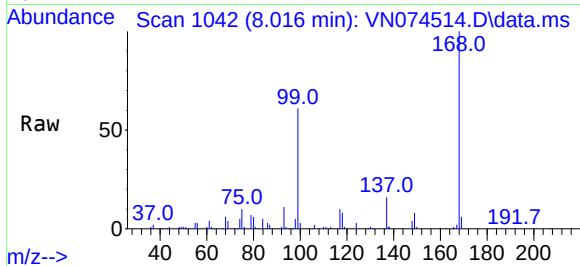




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

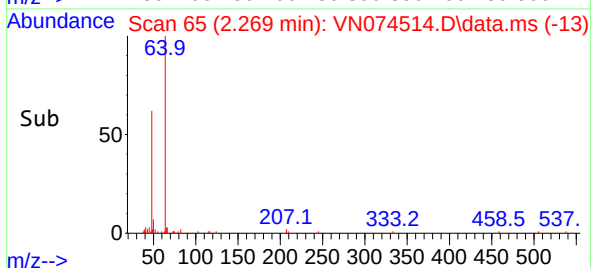
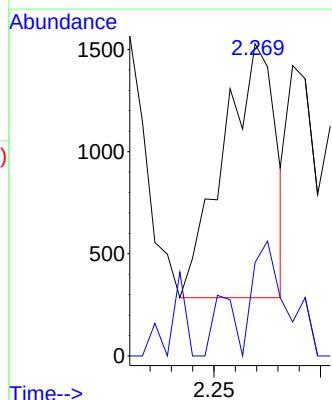
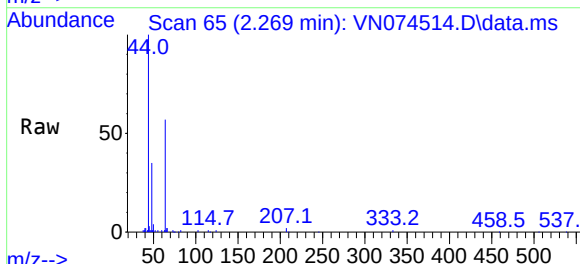
Instrument :
MSVOA_N
ClientSampleId :
EB02-090222

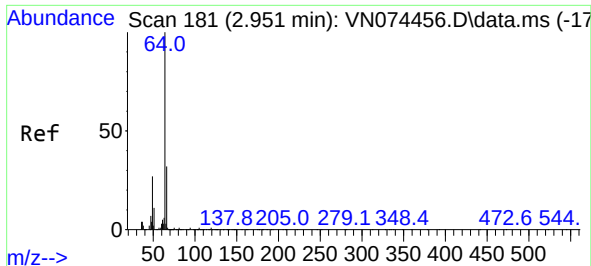
Tgt Ion:168 Resp: 311947
Ion Ratio Lower Upper
168 100
99 61.4 42.3 63.5



#3
Chloromethane
Concen: 0.628 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

Tgt Ion: 50 Resp: 2122
Ion Ratio Lower Upper
50 100
52 13.8 25.7 38.5#

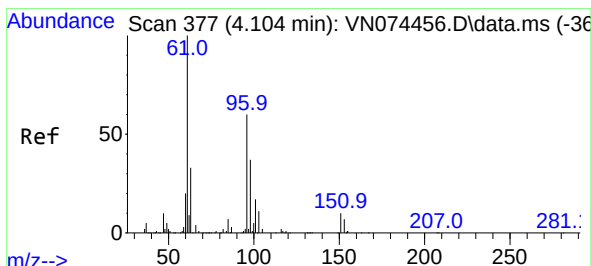
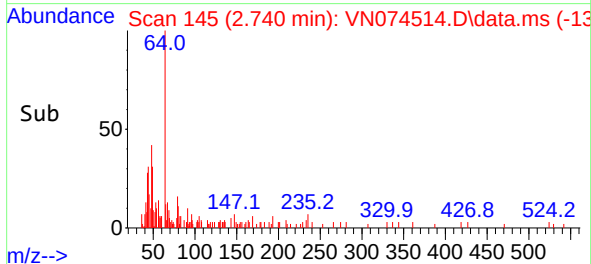
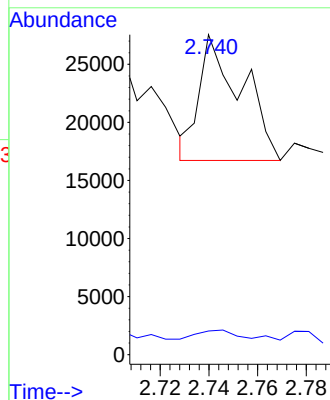
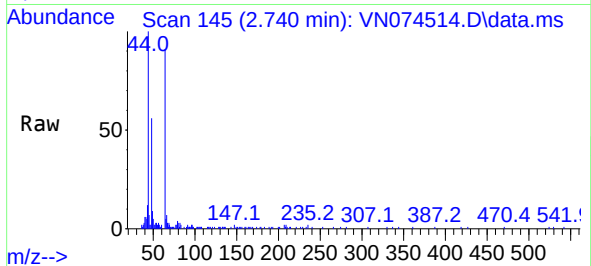




#6
Chloroethane
Concen: 3.124 ug/l
RT: 2.740 min Scan# 14
Delta R.T. -0.211 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

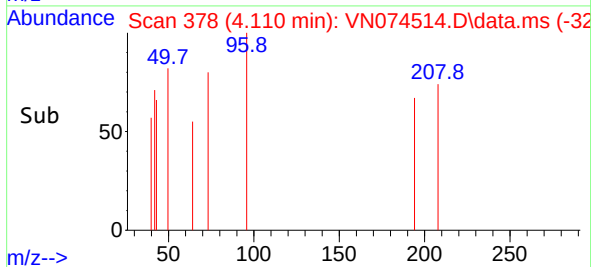
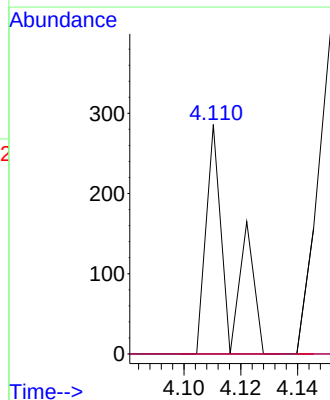
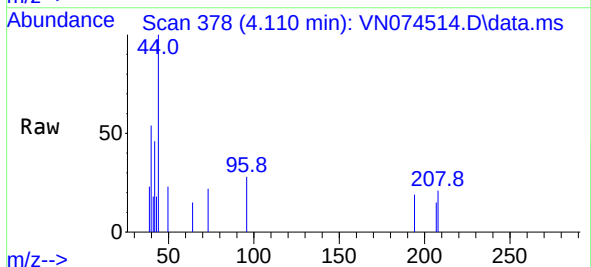
Instrument :
MSVOA_N
ClientSampleId :
EB02-090222

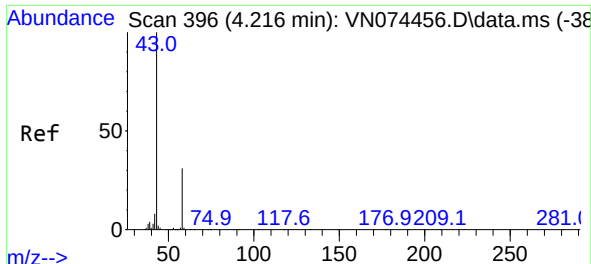
Tgt Ion: 64 Resp: 13041
Ion Ratio Lower Upper
64 100
66 7.2 26.2 39.4#



#12
1,1-Dichloroethene
Concen: 0.723 ug/l
RT: 4.110 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

Tgt Ion: 96 Resp: 159
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

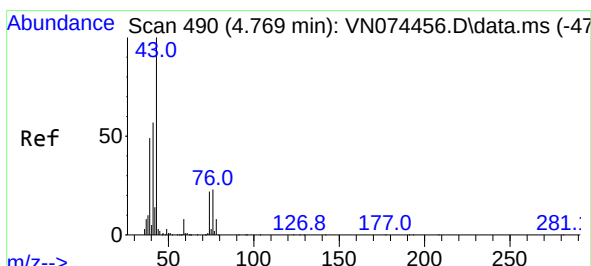
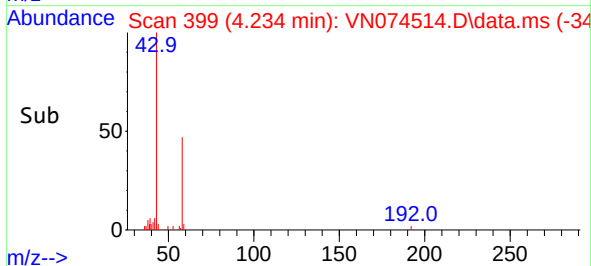
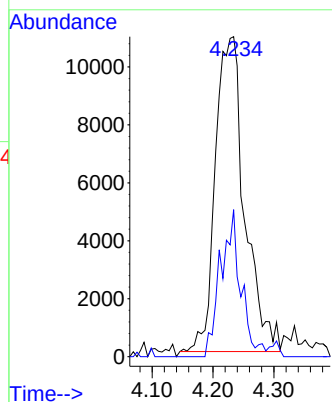
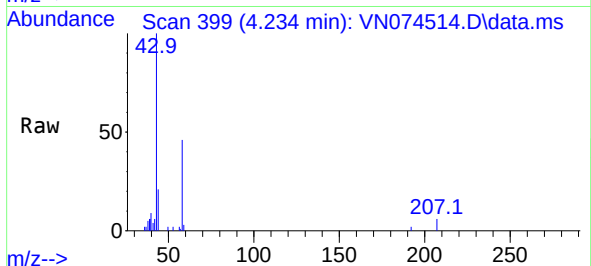




#16
Acetone
Concen: 10.724 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.018 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

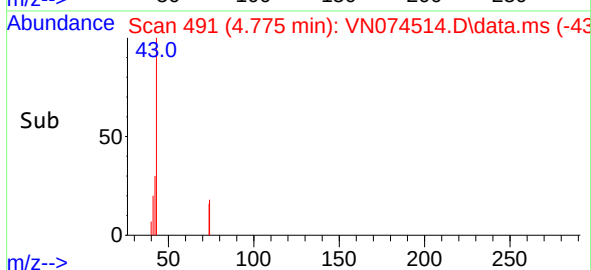
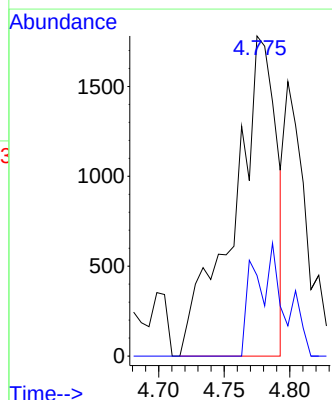
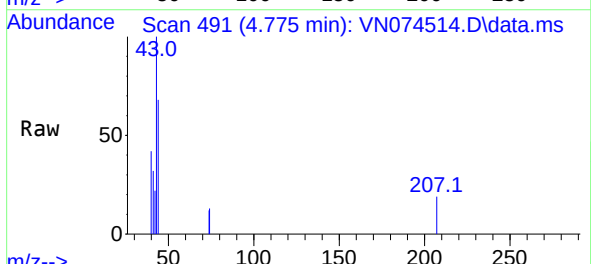
Instrument :
MSVOA_N
ClientSampleId :
EB02-090222

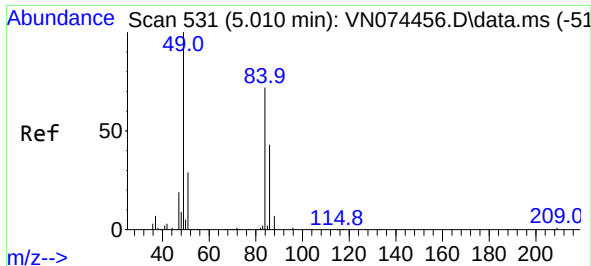
Tgt Ion: 43 Resp: 36322
Ion Ratio Lower Upper
43 100
58 46.7 26.0 39.0#



#18
Methyl Acetate
Concen: 0.384 ug/l
RT: 4.775 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

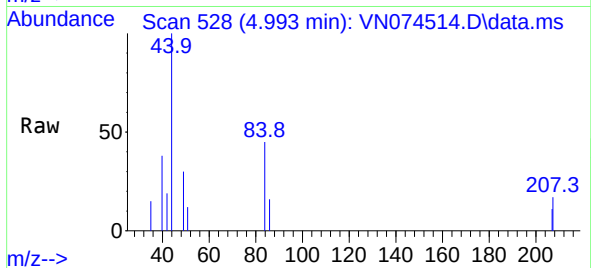
Tgt Ion: 43 Resp: 4043
Ion Ratio Lower Upper
43 100
74 11.0 21.6 32.4#





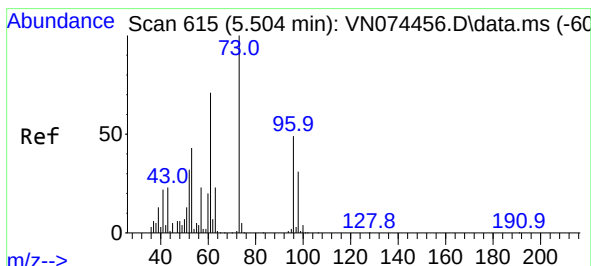
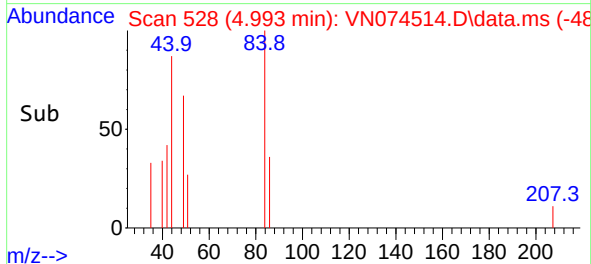
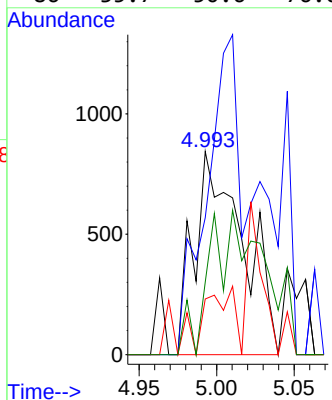
#20
Methylene Chloride
Concen: 0.388 ug/l
RT: 4.993 min Scan# 51
Delta R.T. -0.017 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

Instrument :
MSVOA_N
ClientSampleId :
EB02-090222



Tgt Ion: 84 Resp: 1846

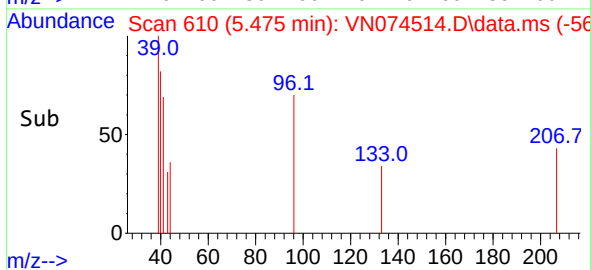
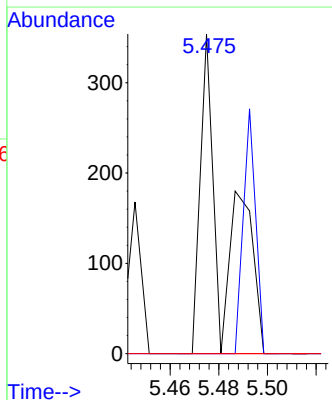
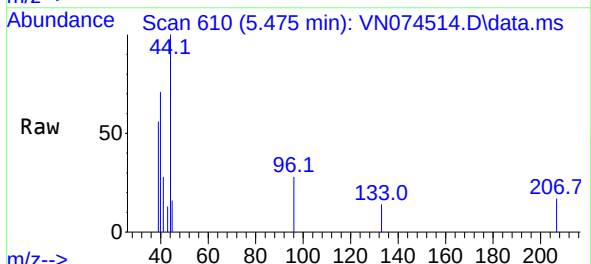
Ion	Ratio	Lower	Upper
84	100		
49	67.4	88.3	132.5#
51	27.4	28.2	42.2#
86	35.7	50.6	76.0#

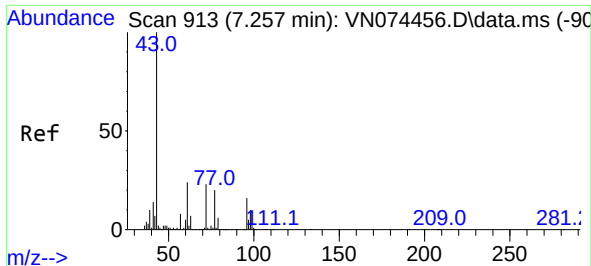


#21
trans-1,2-Dichloroethene
Concen: 0.483 ug/l
RT: 5.475 min Scan# 610
Delta R.T. -0.029 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

Tgt Ion: 96 Resp: 244

Ion	Ratio	Lower	Upper
96	100		
61	0.0	105.8	158.8#
98	0.0	50.3	75.5#

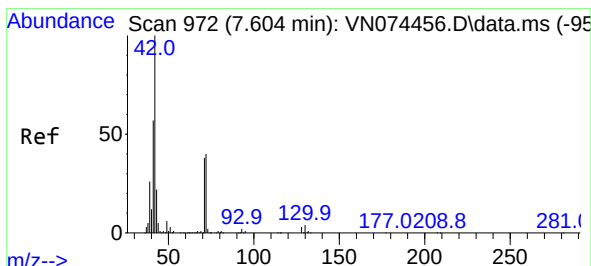
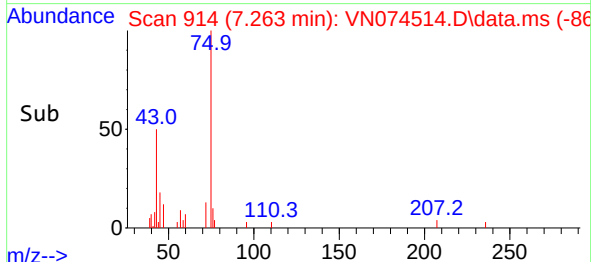
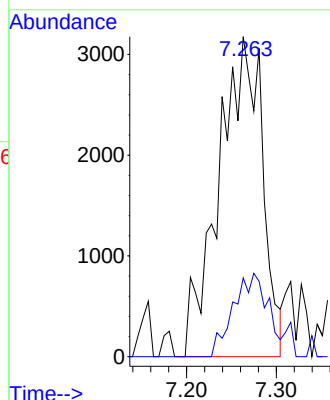
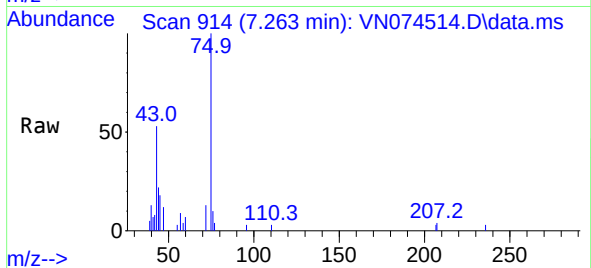




#25
2-Butanone
Concen: 1.907 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

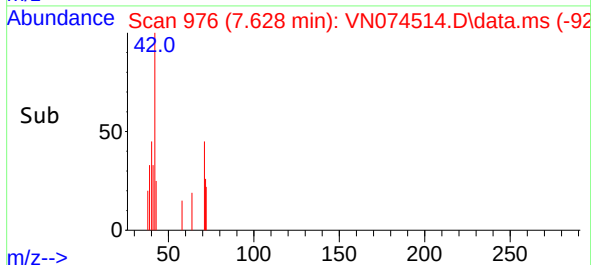
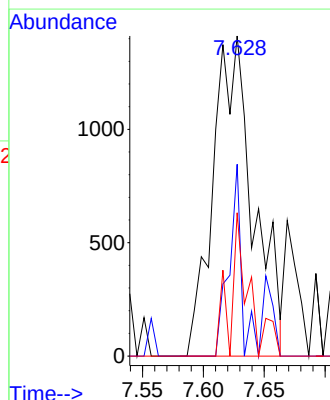
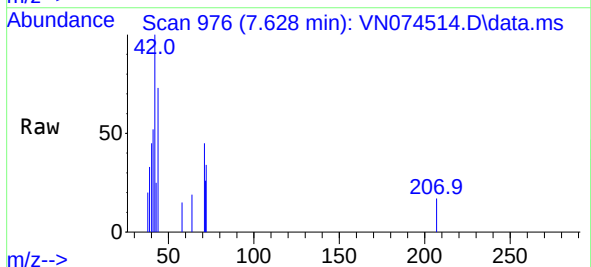
Instrument :
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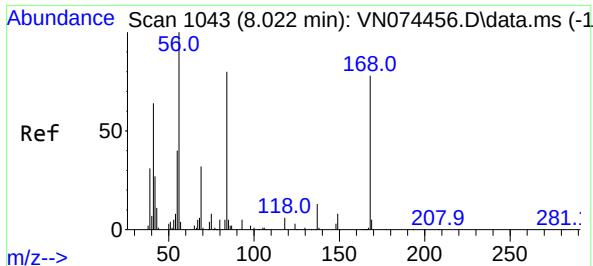
Tgt Ion: 43 Resp: 10724
Ion Ratio Lower Upper
43 100
72 24.6 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.878 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.024 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

Tgt Ion: 42 Resp: 3247
Ion Ratio Lower Upper
42 100
72 18.7 39.7 59.5#
71 20.7 36.6 55.0#





#31

Cyclohexane

Concen: 1.015 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN074514.D

Acq: 16 Sep 2022 16:46

Instrument :

MSVOA_N

ClientSampleId :

EB02-090222

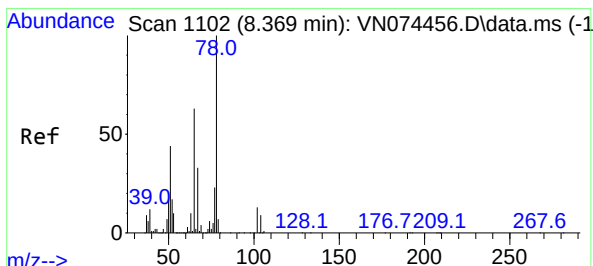
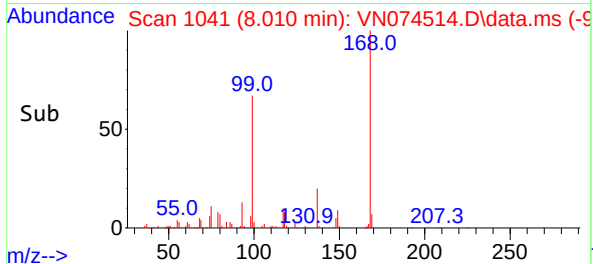
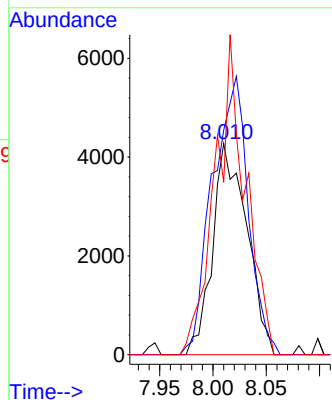
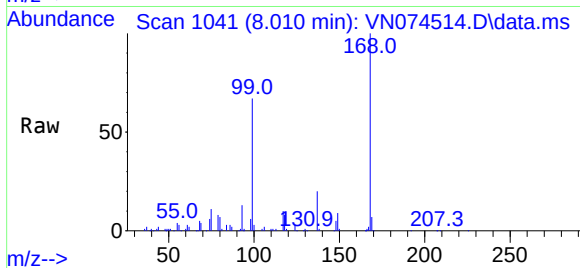
Tgt Ion: 56 Resp: 9536

Ion Ratio Lower Upper

56 100

69 106.5 27.8 41.8#

84 81.6 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 48.871 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074514.D

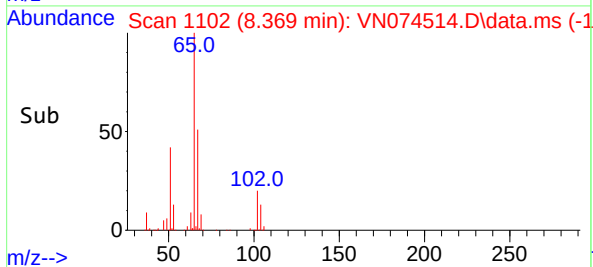
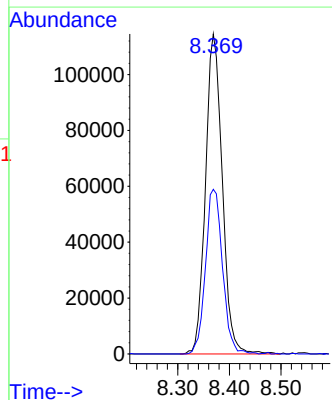
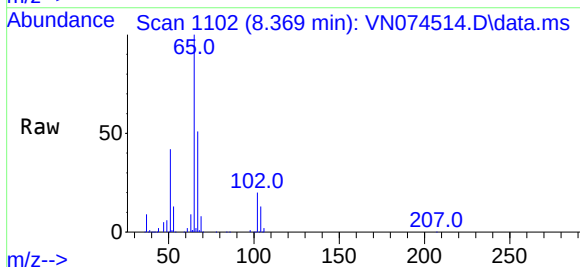
Acq: 16 Sep 2022 16:46

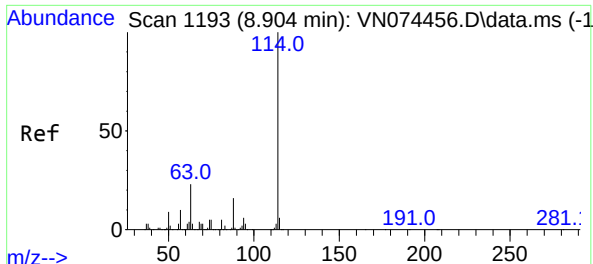
Tgt Ion: 65 Resp: 258669

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.8

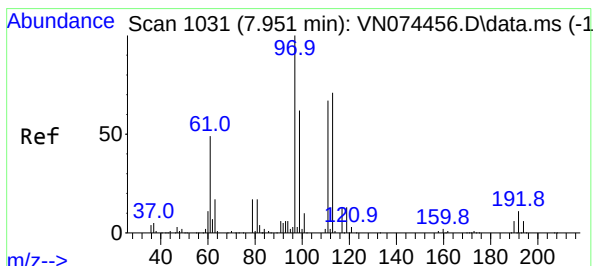
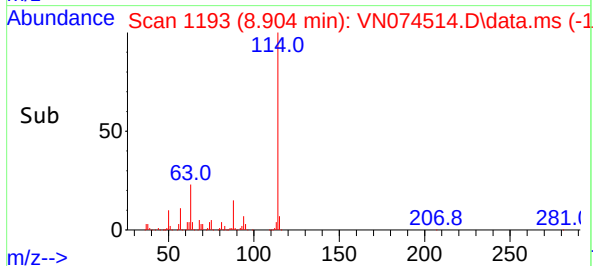
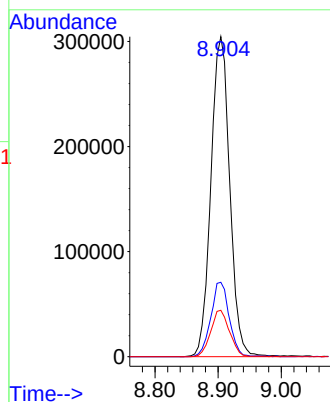
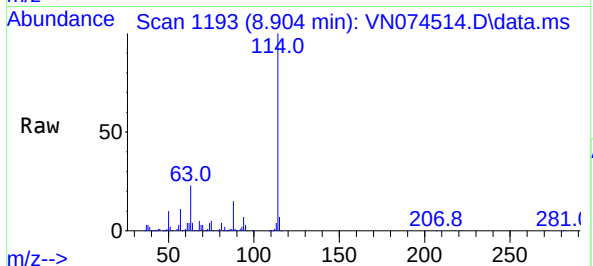




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

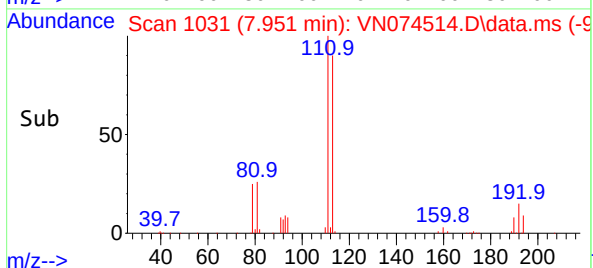
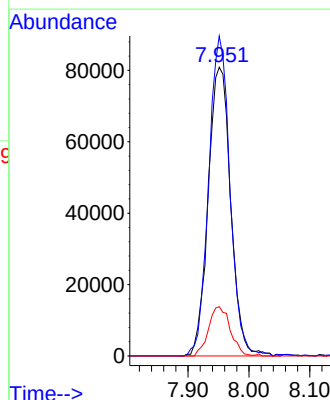
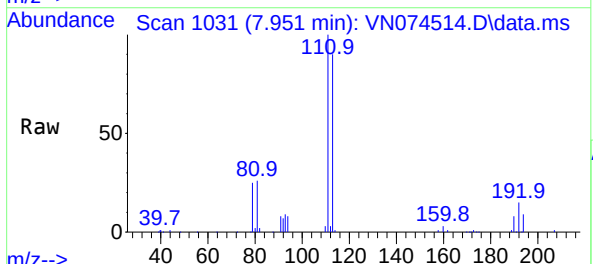
Instrument :
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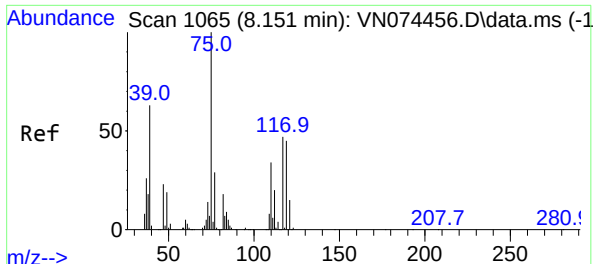
Tgt Ion:114 Resp: 630003
Ion Ratio Lower Upper
114 100
63 23.2 0.0 40.0
88 14.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.728 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

Tgt Ion:113 Resp: 208113
Ion Ratio Lower Upper
113 100
111 104.4 81.4 122.0
192 16.5 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 4.266 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN074514.D

Acq: 16 Sep 2022 16:46

Instrument :

MSVOA_N

ClientSampleId :

EB02-090222

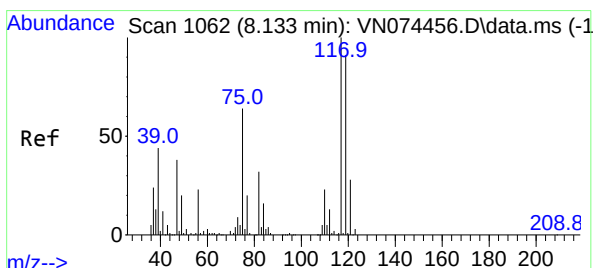
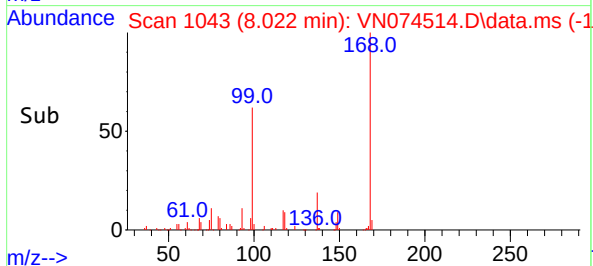
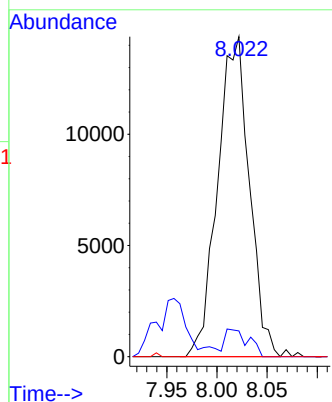
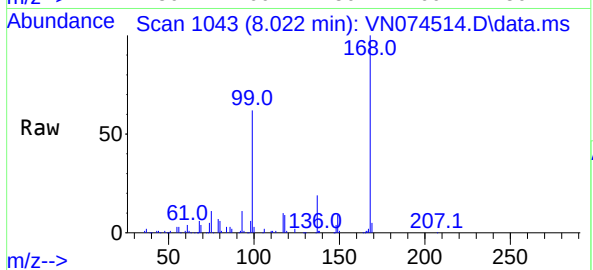
Tgt Ion: 75 Resp: 31601

Ion Ratio Lower Upper

75 100

110 6.5 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.756 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.117 min

Lab File: VN074514.D

Acq: 16 Sep 2022 16:46

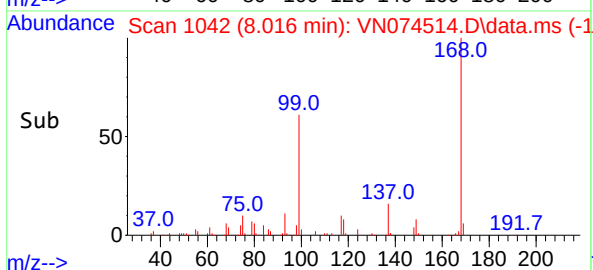
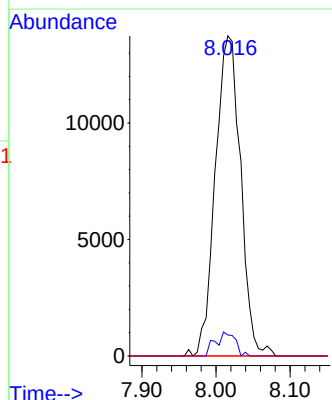
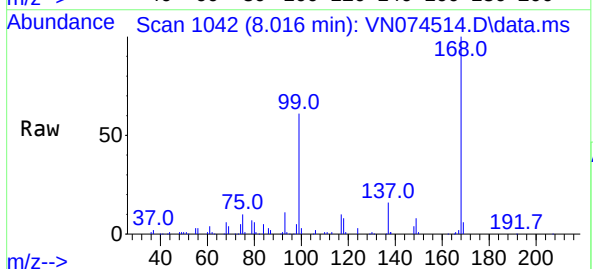
Tgt Ion: 117 Resp: 32525

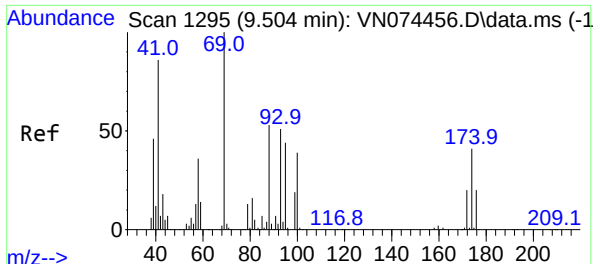
Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.8#

121 0.0 24.6 37.0#

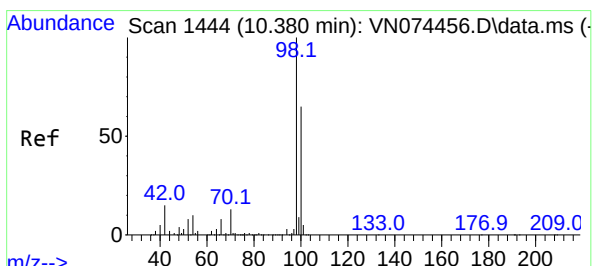
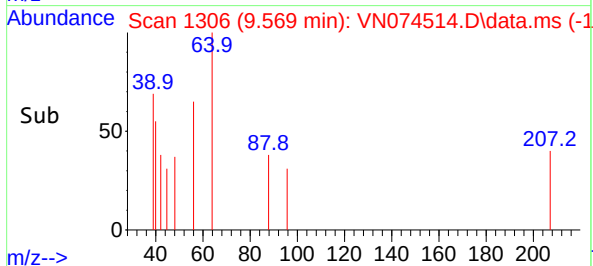
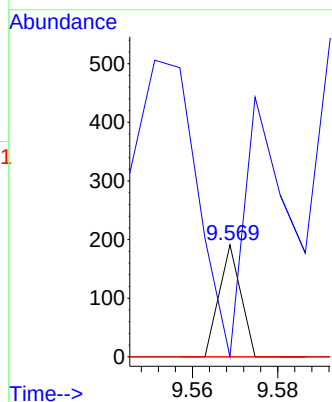
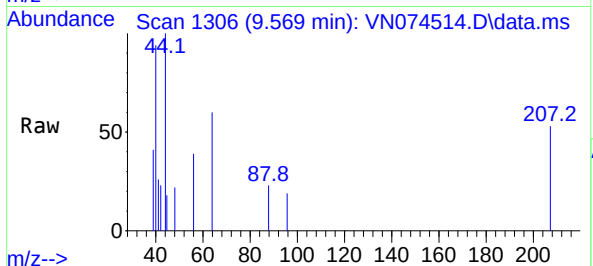




#49
1,4-Dioxane
Concen: 0.439 ug/l
RT: 9.569 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

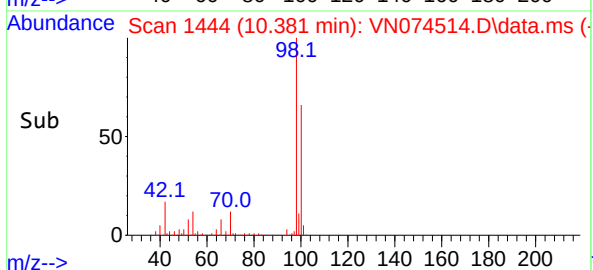
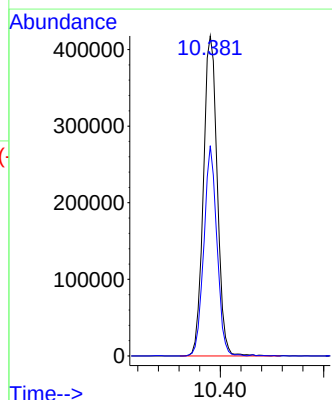
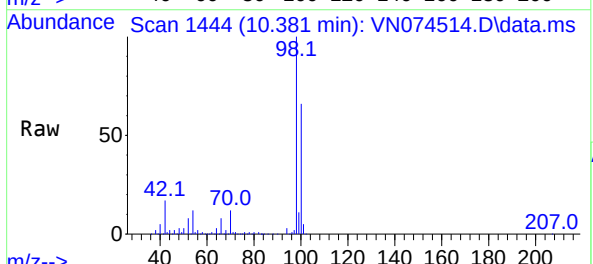
Instrument :
MSVOA_N
ClientSampleId :
EB02-090222

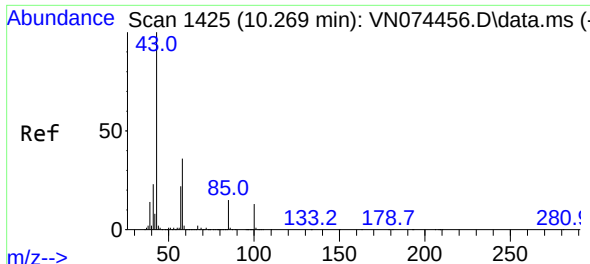
Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 1155.2 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 47.928 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

Tgt Ion: 98 Resp: 775713
Ion Ratio Lower Upper
98 100
100 62.0 52.6 78.8

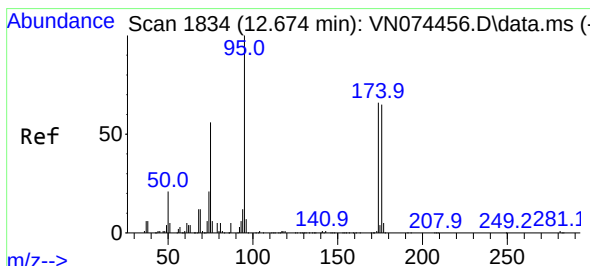
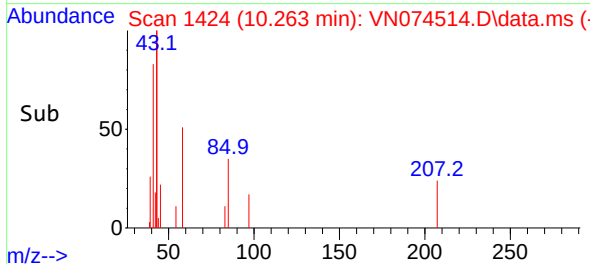
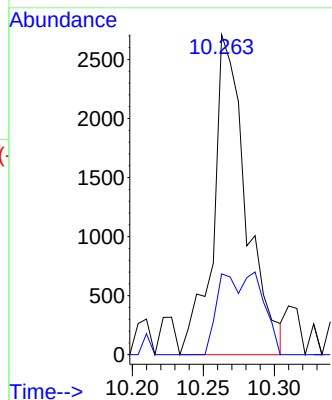
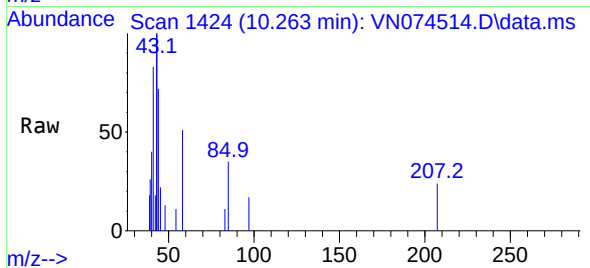




#51
4-Methyl-2-Pentanone
Concen: 0.372 ug/l
RT: 10.263 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

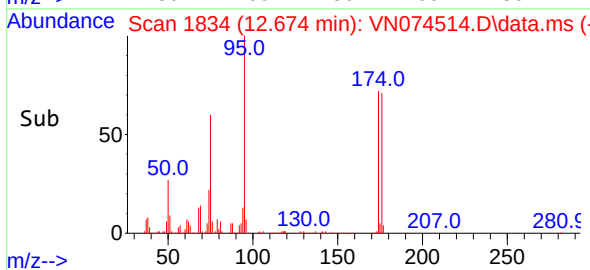
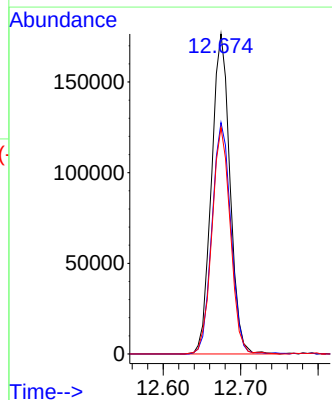
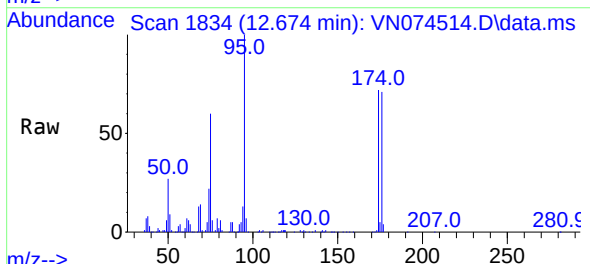
Instrument :
MSVOA_N
ClientSampleId :
EB02-090222

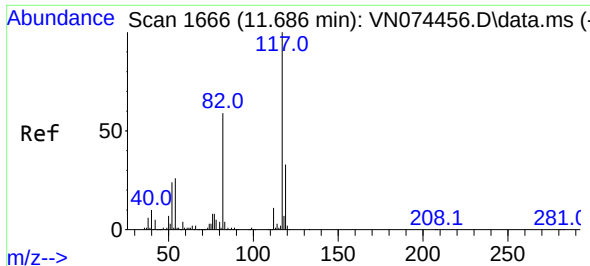
Tgt Ion: 43 Resp: 4350
Ion Ratio Lower Upper
43 100
58 17.4 34.1 51.1#



#62
4-Bromofluorobenzene
Concen: 52.702 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

Tgt Ion: 95 Resp: 292144
Ion Ratio Lower Upper
95 100
174 73.8 0.0 167.6
176 70.5 0.0 163.4

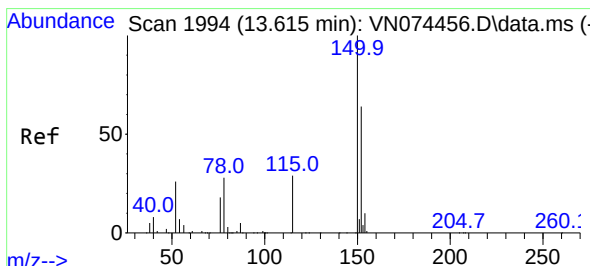
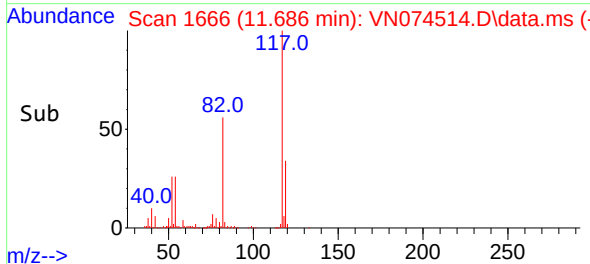
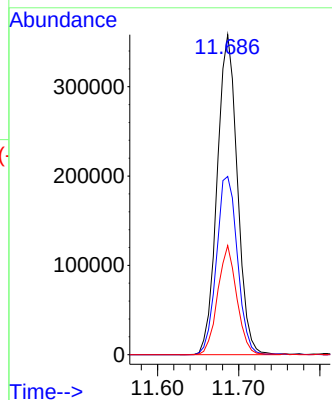
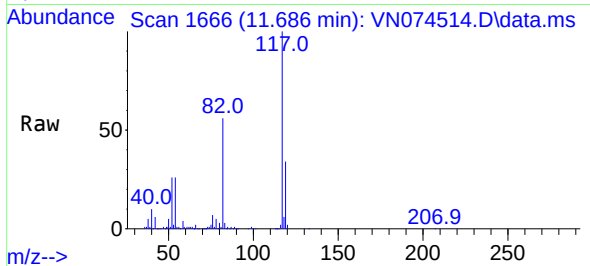




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

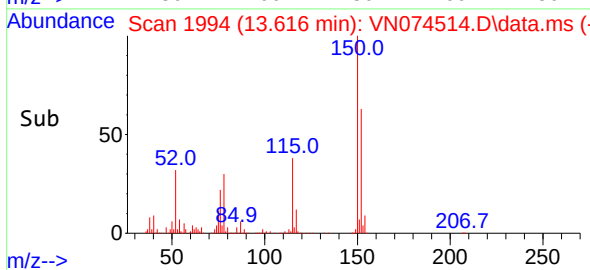
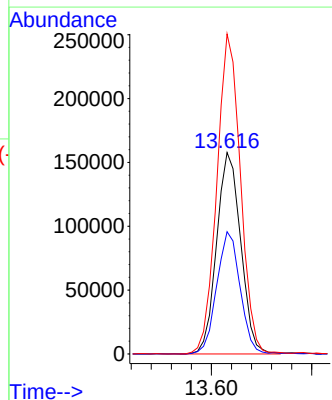
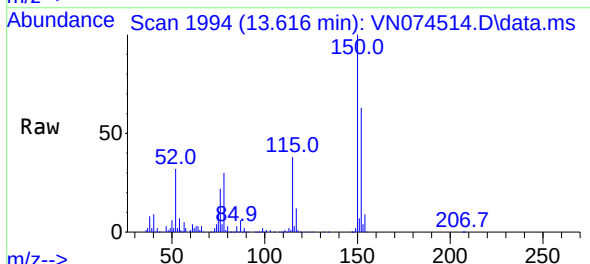
Instrument :
MSVOA_N
ClientSampleId :
EB02-090222

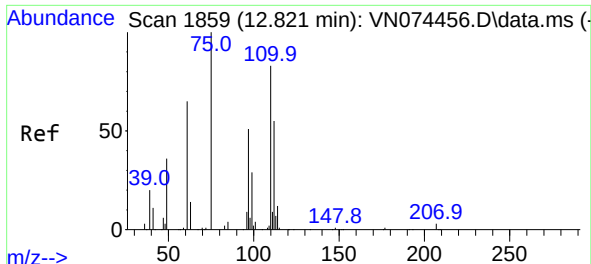
Tgt Ion:117 Resp: 620443
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 34.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

Tgt Ion:152 Resp: 262421
Ion Ratio Lower Upper
152 100
115 59.2 28.9 86.7
150 156.1 0.0 356.2

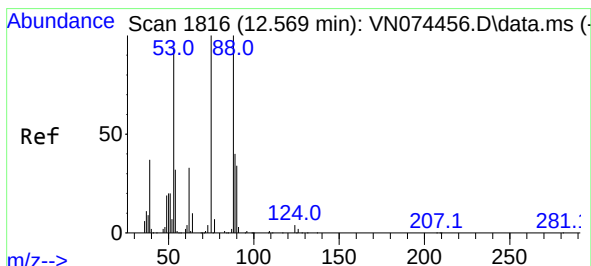
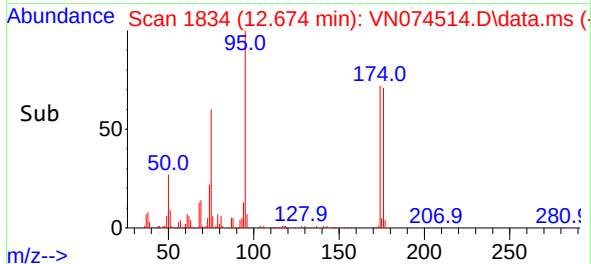
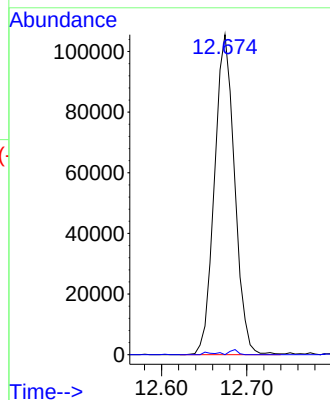
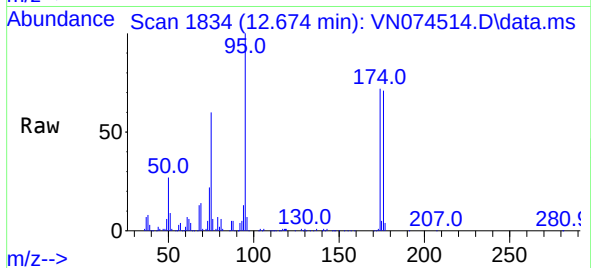




#76
1,2,3-Trichloropropane
Concen: 21.473 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

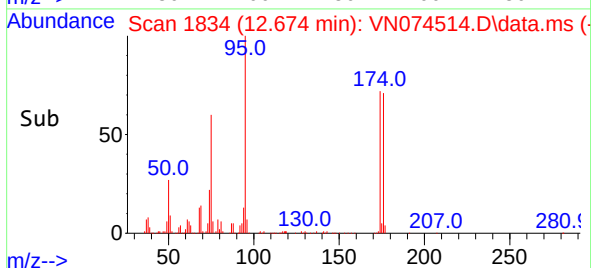
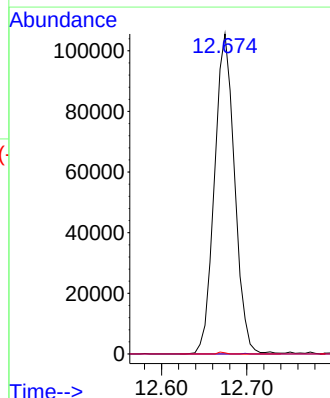
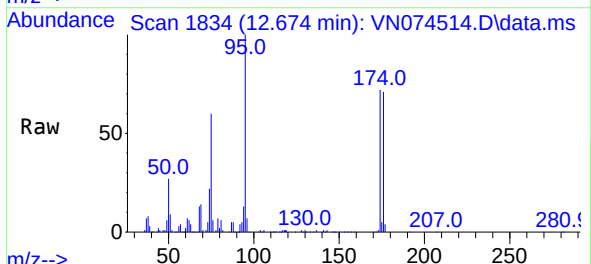
Instrument :
MSVOA_N
ClientSampleId :
EB02-090222

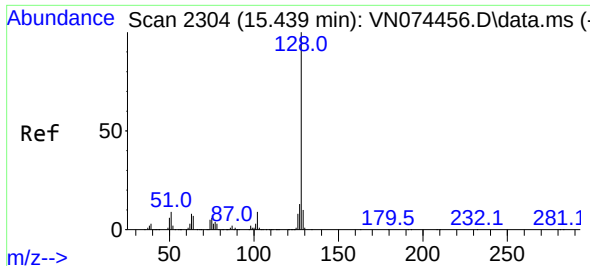
Tgt Ion: 75 Resp: 173447
Ion Ratio Lower Upper
75 100
77 0.6 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.345 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

Tgt Ion: 75 Resp: 173447
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.2 37.2 55.8#

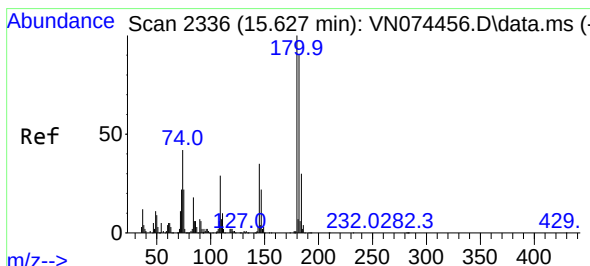
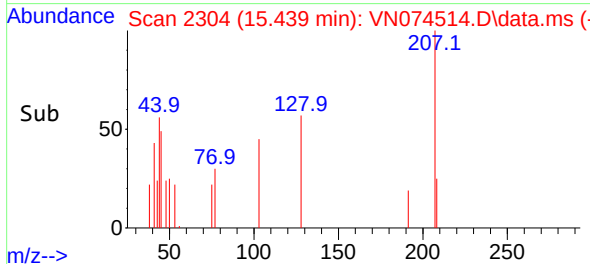
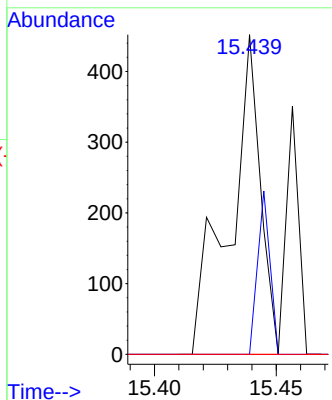
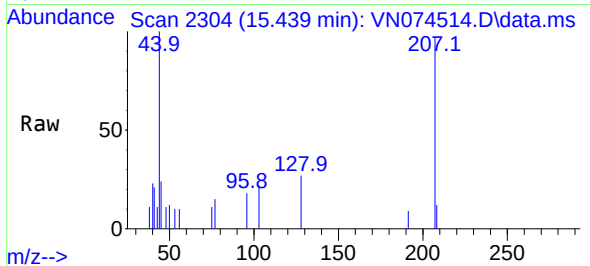




#95
Naphthalene
Concen: 1.606 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

Instrument :
MSVOA_N
ClientSampleId :
EB02-090222

Tgt Ion:128 Resp: 399
Ion Ratio Lower Upper
128 100
127 20.6 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.351 ug/l
RT: 15.621 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VN074514.D
Acq: 16 Sep 2022 16:46

Tgt Ion:180 Resp: 80
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

