

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091322\
 Data File : VN074445.D
 Acq On : 13 Sep 2022 20:09
 Operator : JC\MD
 Sample : N4492-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB02-090122

Quant Time: Sep 14 08:05:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

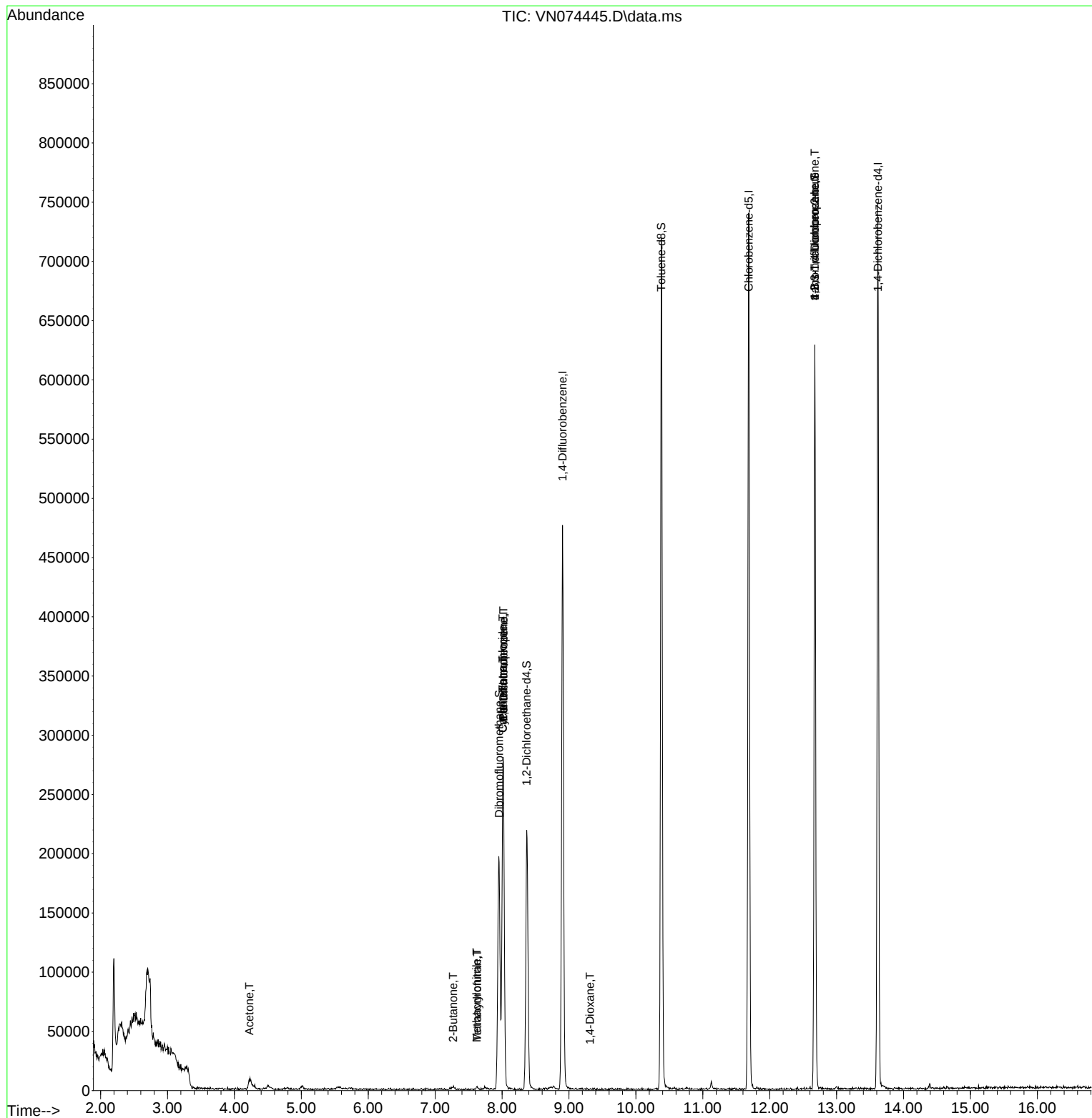
Internal Standards						
1) Pentafluorobenzene	8.022	168	197570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	367705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	366071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	164885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	170179	49.785	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.580%		
35) Dibromofluoromethane	7.957	113	135690	54.662	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.320%		
50) Toluene-d8	10.380	98	455457	47.088	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.180%		
62) 4-Bromofluorobenzene	12.674	95	182154	51.870	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.740%		
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	1442	Below Cal	#	45
6) Chloroethane	2.951	64	7859	Below Cal	#	50
16) Acetone	4.222	43	7411	4.016	ug/l	92
20) Methylene Chloride	5.004	84	1100	Below Cal	#	41
25) 2-Butanone	7.269	43	3568	1.152	ug/l	95
29) Tetrahydrofuran	7.628	42	1582	0.773	ug/l	# 47
31) Cyclohexane	8.010	56	6353	1.169	ug/l	# 18
36) 1,1-Dichloropropene	8.022	75	20736	5.070	ug/l	# 53
38) Carbon Tetrachloride	8.010	117	23917	5.665	ug/l	# 15
41) Methacrylonitrile	7.622	41	1147	0.390	ug/l	# 43
49) 1,4-Dioxane	9.316	88	62	0.688	ug/l	# 25
74) N-amyl acetate	12.304	43	148	Below Cal	#	6
76) 1,2,3-Trichloropropane	12.674	75	117862	27.344	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.674	75	117862	60.949	ug/l	# 9
92) 1,2-Dibromo-3-Chloropr...	14.645	75	59	Below Cal	#	8

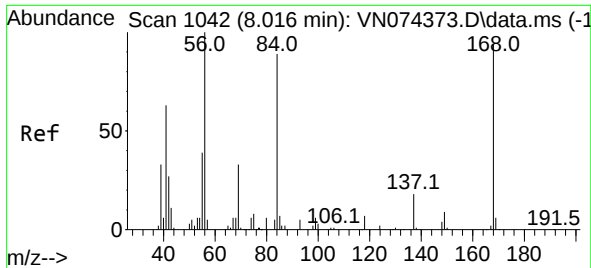
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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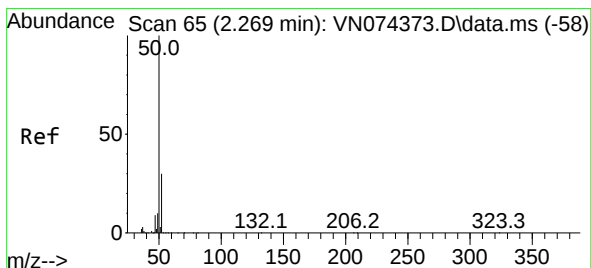
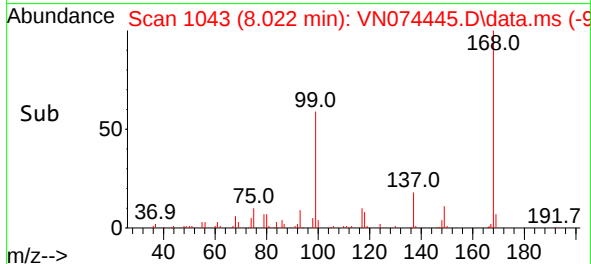
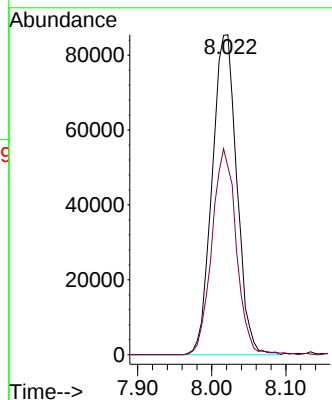
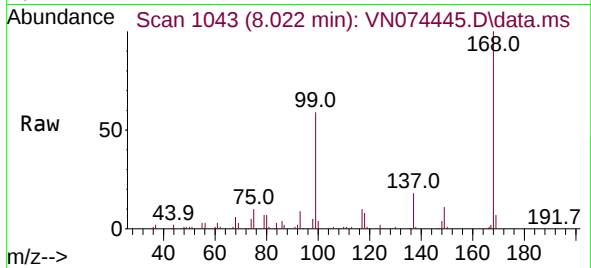




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

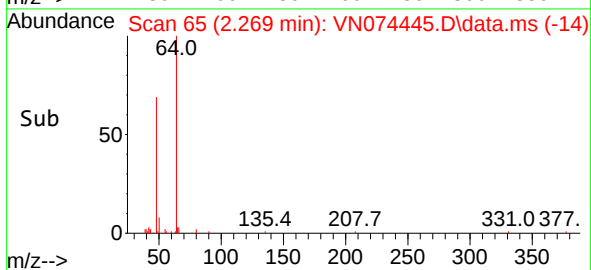
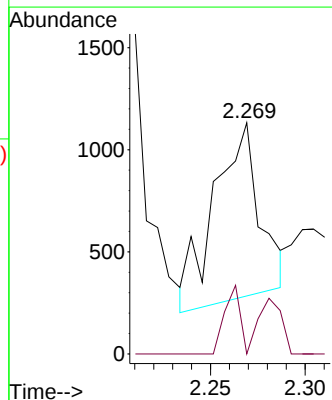
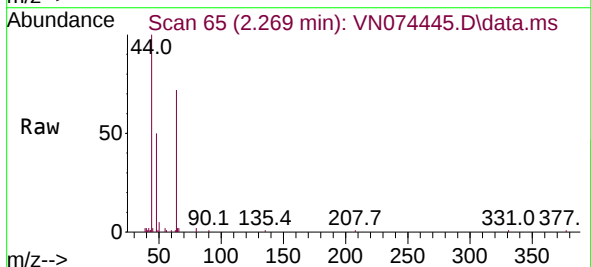
Instrument :
MSVOA_N
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EB02-090122

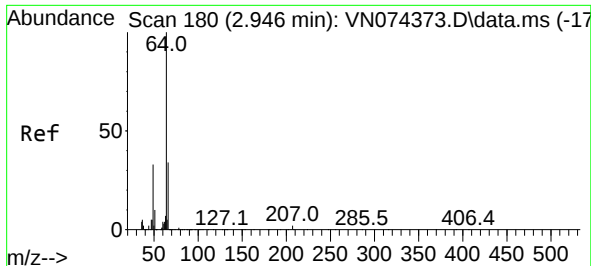
Tgt Ion:168 Resp: 197570
Ion Ratio Lower Upper
168 100
99 58.7 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

Tgt Ion: 50 Resp: 1442
Ion Ratio Lower Upper
50 100
52 0.0 24.1 36.1#

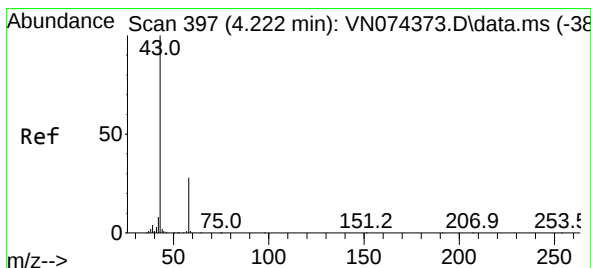
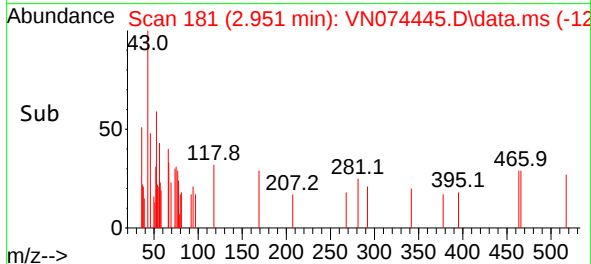
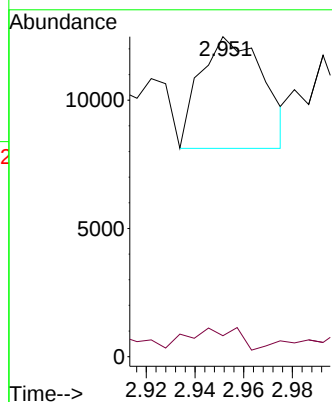
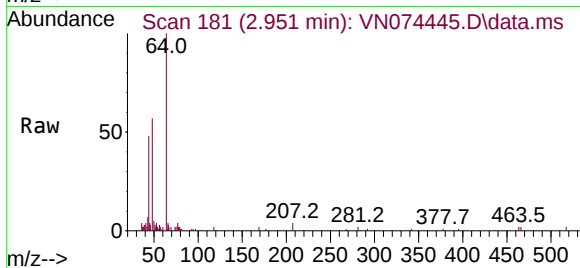




#6
Chloroethane
Concen: Below Cal
RT: 2.951 min Scan# 181
Delta R.T. 0.005 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

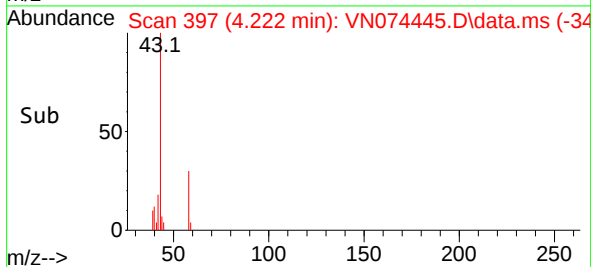
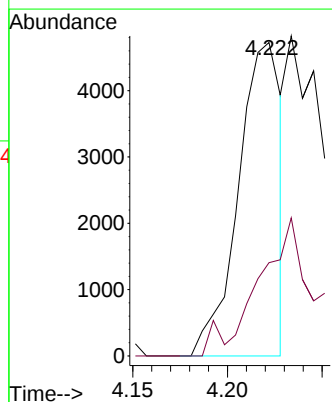
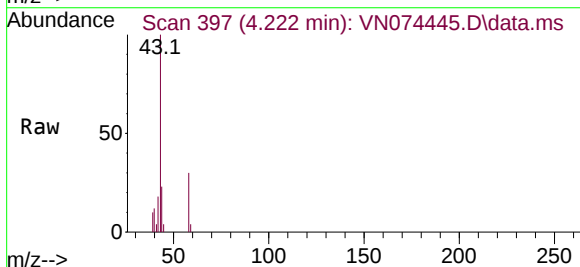
Instrument :
MSVOA_N
ClientSampleId :
EB02-090122

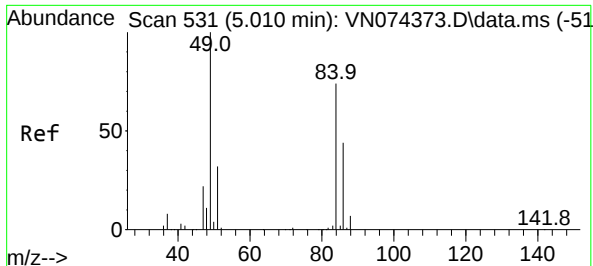
Tgt Ion: 64 Resp: 7859
Ion Ratio Lower Upper
64 100
66 4.6 26.5 39.7#



#16
Acetone
Concen: 4.016 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

Tgt Ion: 43 Resp: 7411
Ion Ratio Lower Upper
43 100
58 32.9 22.7 34.1



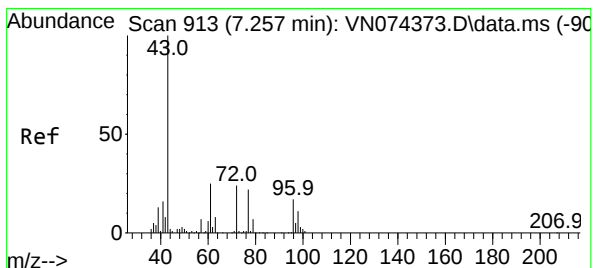
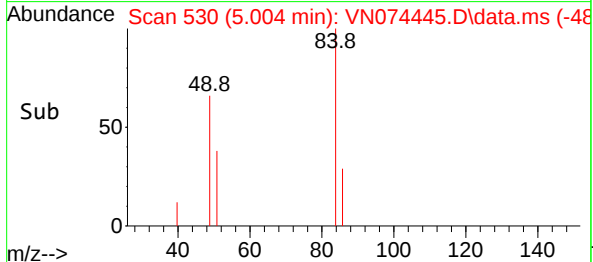
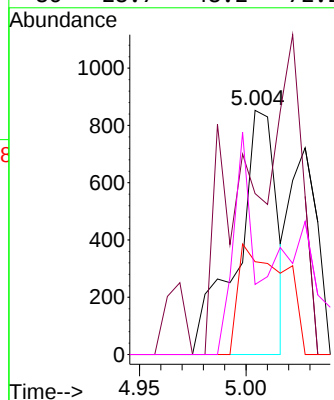
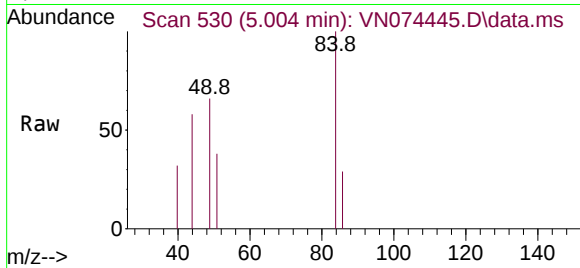


#20
Methylene Chloride
Concen: Below Cal
RT: 5.004 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

Instrument :
MSVOA_N
ClientSampleId :
EB02-090122

Tgt Ion: 84 Resp: 1100

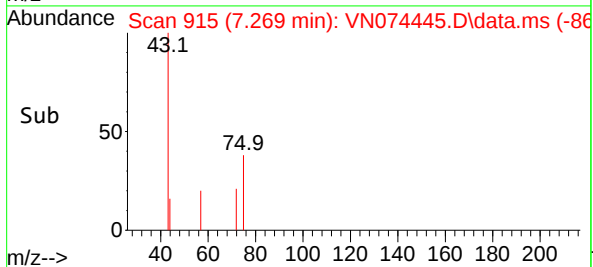
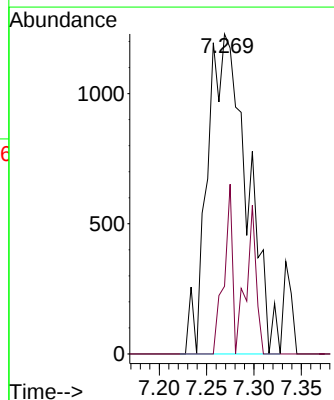
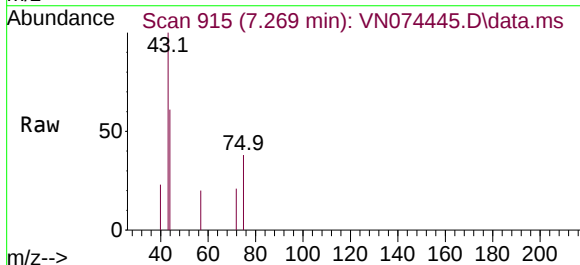
Ion	Ratio	Lower	Upper
84	100		
49	36.5	108.2	162.4#
51	38.0	34.3	51.5
86	28.7	48.2	72.2#

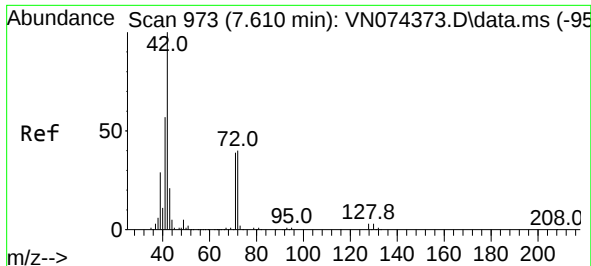


#25
2-Butanone
Concen: 1.152 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

Tgt Ion: 43 Resp: 3568

Ion	Ratio	Lower	Upper
43	100		
72	21.2	18.9	28.3





#29

Tetrahydrofuran

Concen: 0.773 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN074445.D

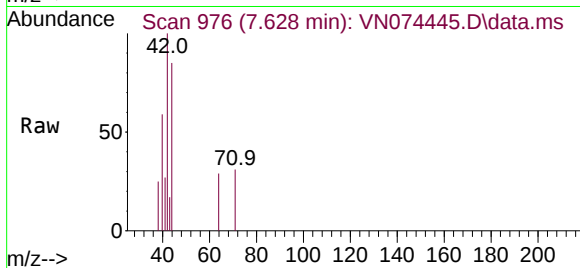
Acq: 13 Sep 2022 20:09

Instrument :

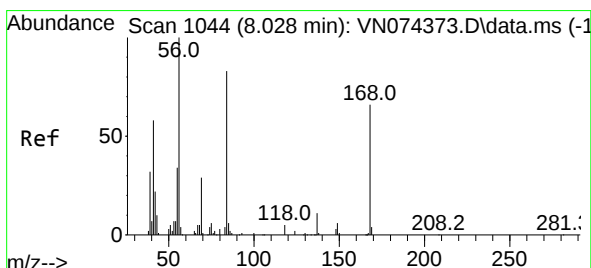
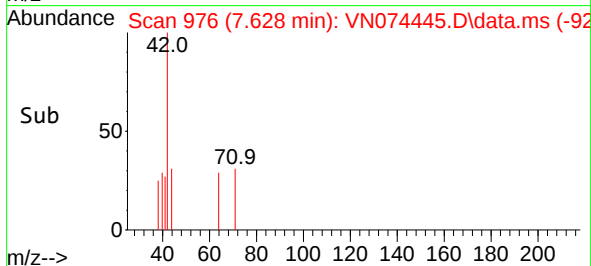
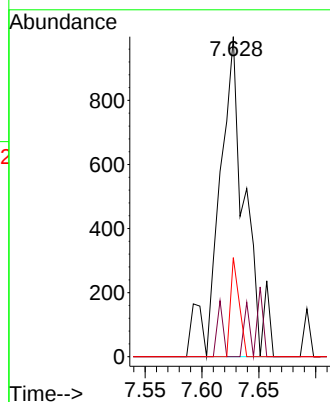
MSVOA_N

ClientSampleId :

EB02-090122



Tgt Ion: 42	Resp: 1582
Ion Ratio	Lower Upper
42	100
72	3.8 32.7 49.1#
71	10.2 31.0 46.6#



#31

Cyclohexane

Concen: 1.169 ug/l

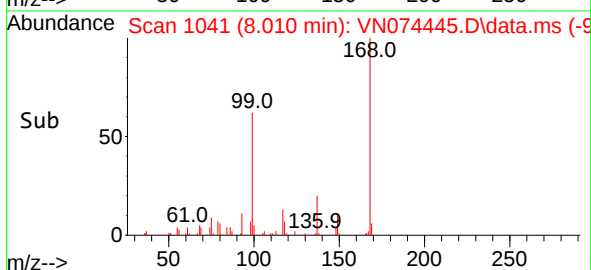
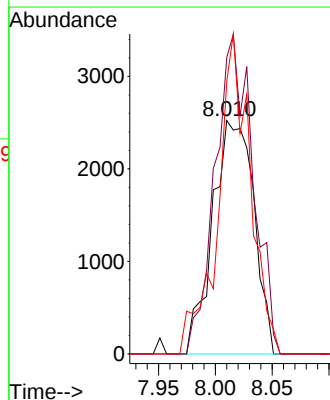
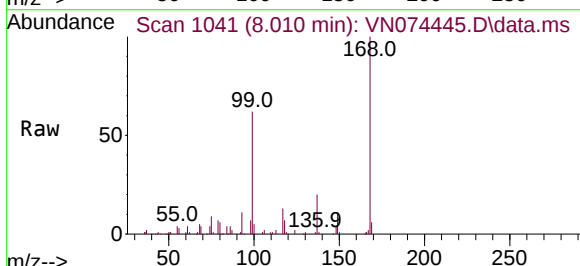
RT: 8.010 min Scan# 1041

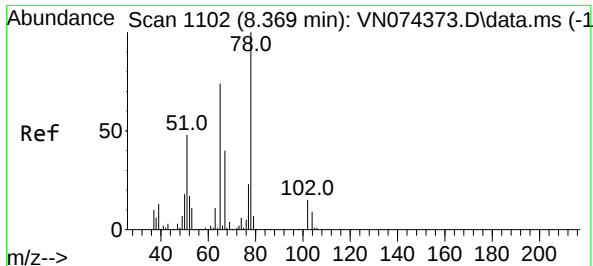
Delta R.T. -0.018 min

Lab File: VN074445.D

Acq: 13 Sep 2022 20:09

Tgt Ion: 56	Resp: 6353
Ion Ratio	Lower Upper
56	100
69	127.0 23.0 34.4#
84	125.0 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 49.785 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074445.D

Acq: 13 Sep 2022 20:09

Instrument :

MSVOA_N

ClientSampleId :

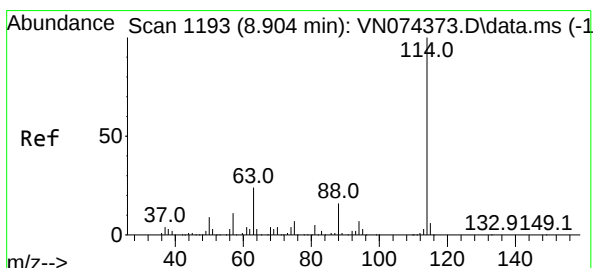
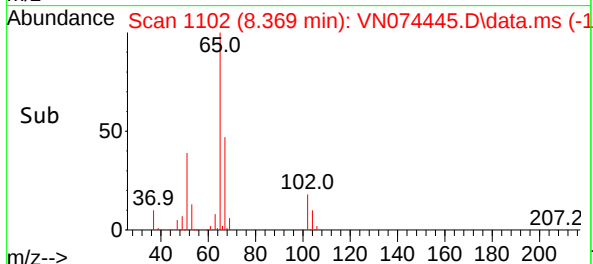
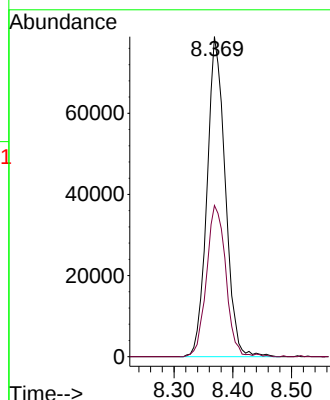
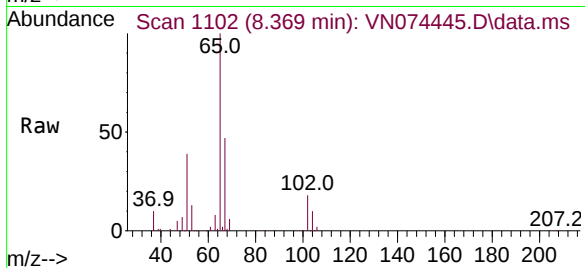
EB02-090122

Tgt Ion: 65 Resp: 170179

Ion Ratio Lower Upper

65 100

67 49.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074445.D

Acq: 13 Sep 2022 20:09

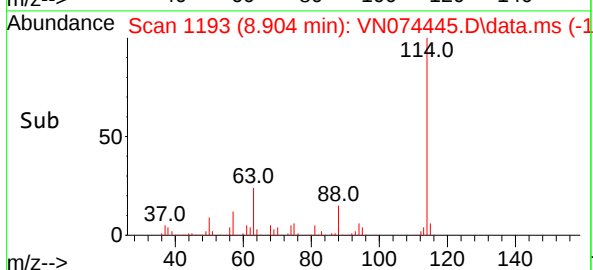
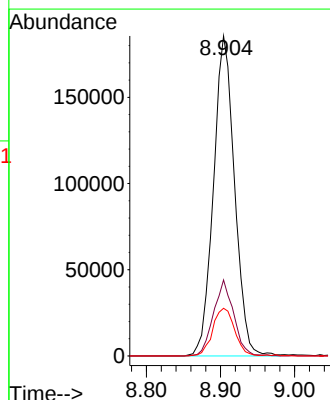
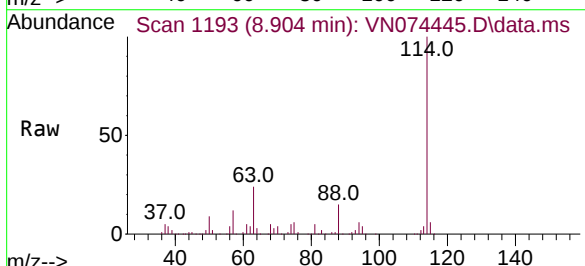
Tgt Ion: 114 Resp: 367705

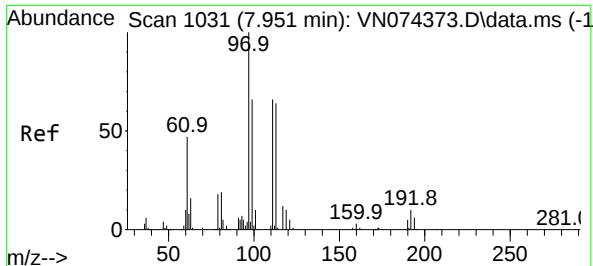
Ion Ratio Lower Upper

114 100

63 23.8 0.0 47.6

88 14.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 54.662 ug/l

RT: 7.957 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VN074445.D

Acq: 13 Sep 2022 20:09

Instrument :

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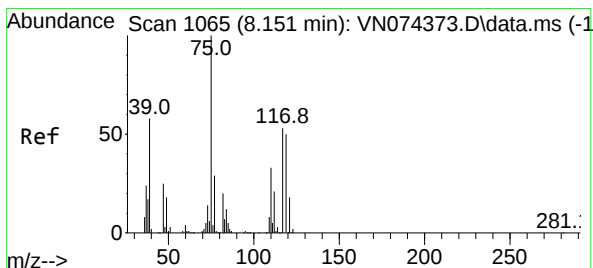
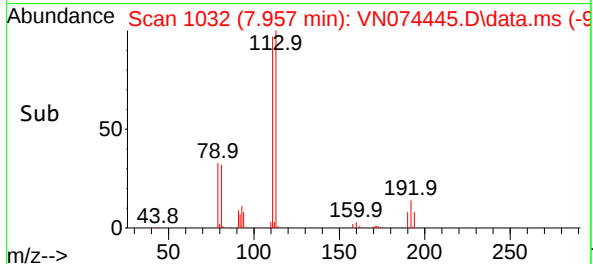
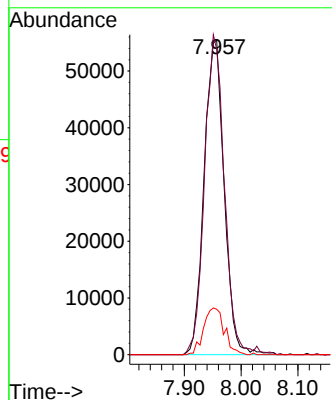
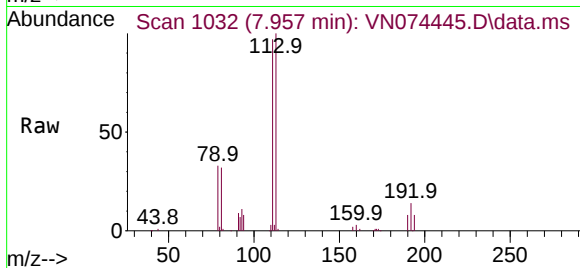
Tgt Ion:113 Resp: 135690

Ion Ratio Lower Upper

113 100

111 100.1 83.0 124.4

192 15.4 13.7 20.5



#36

1,1-Dichloropropene

Concen: 5.070 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN074445.D

Acq: 13 Sep 2022 20:09

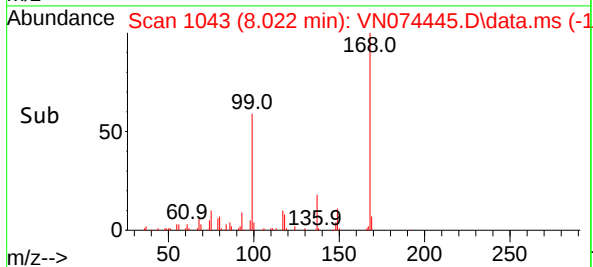
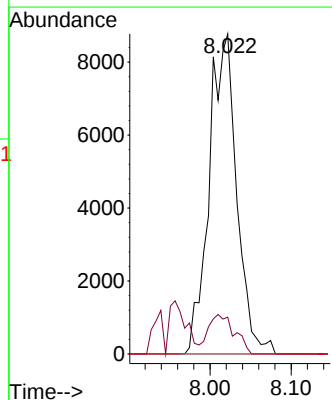
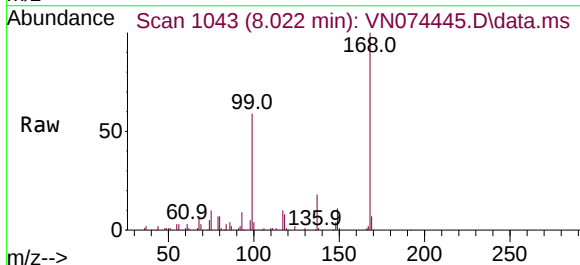
Tgt Ion: 75 Resp: 20736

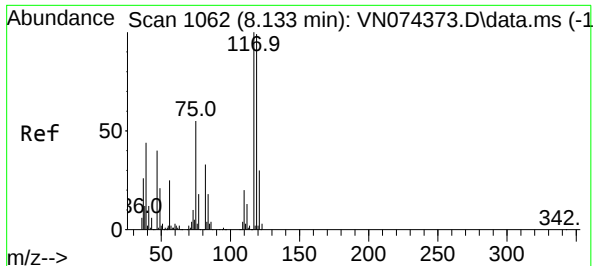
Ion Ratio Lower Upper

75 100

110 11.7 16.4 49.1#

77 0.0 25.4 38.2#

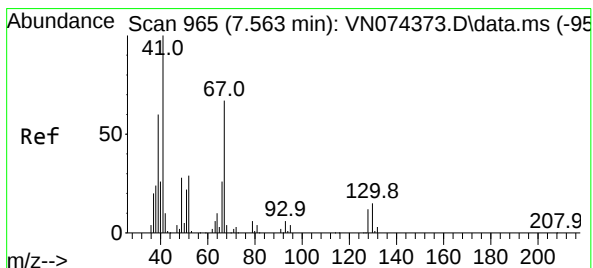
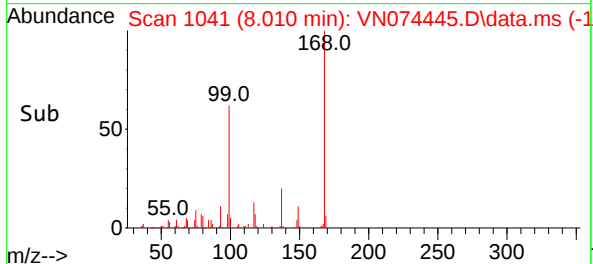
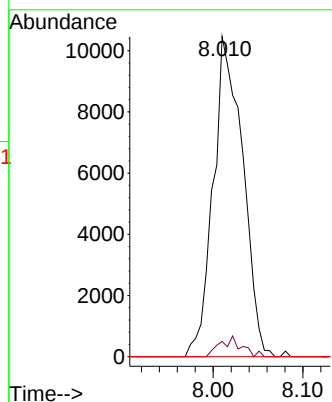
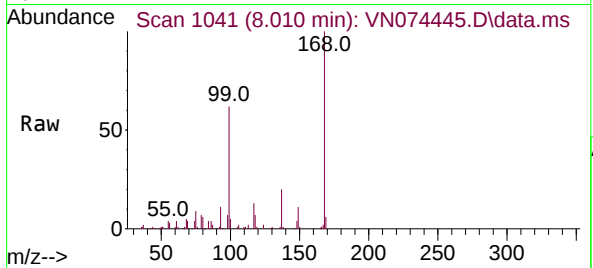




#38
Carbon Tetrachloride
Concen: 5.665 ug/l
RT: 8.010 min Scan# 1062
Delta R.T. -0.124 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

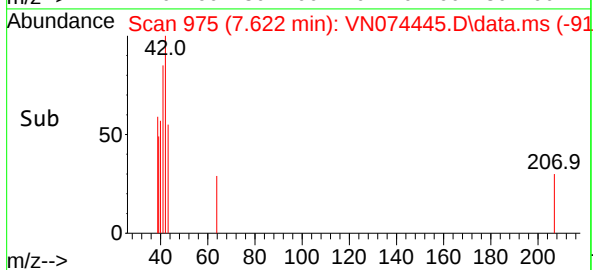
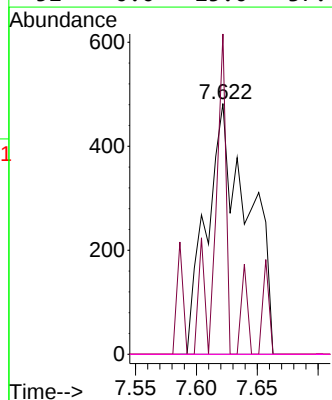
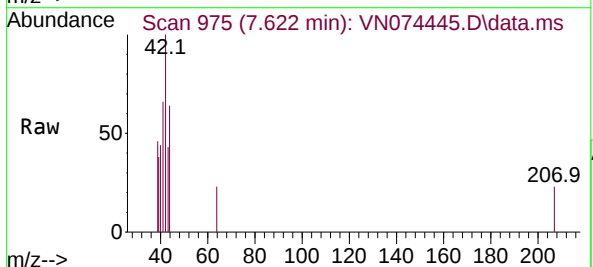
Instrument :
MSVOA_N
ClientSampleId :
EB02-090122

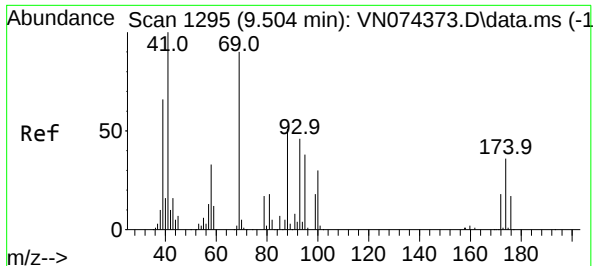
Tgt Ion: 117 Resp: 23917
Ion Ratio Lower Upper
117 100
119 4.8 78.8 118.2#
121 0.0 24.1 36.1#



#41
Methacrylonitrile
Concen: 0.390 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.059 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

Tgt Ion: 41 Resp: 1147
Ion Ratio Lower Upper
41 100
39 34.0 39.2 58.8#
67 0.0 53.6 80.4#
52 0.0 25.0 37.4#

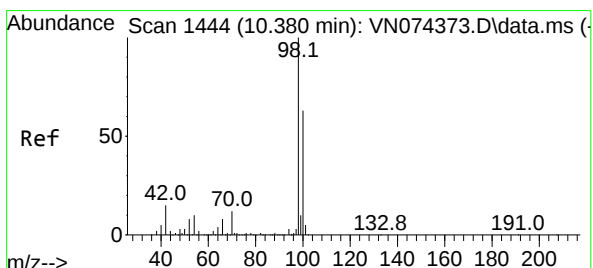
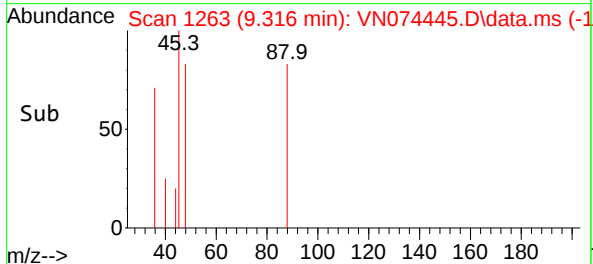
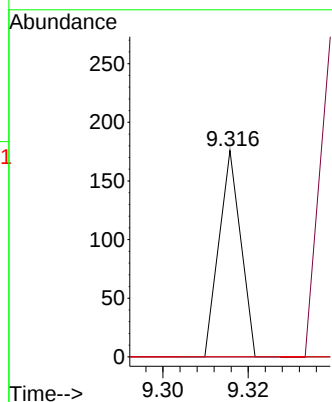
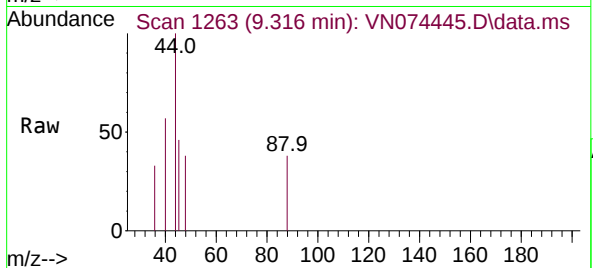




#49
1,4-Dioxane
Concen: 0.688 ug/l
RT: 9.316 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

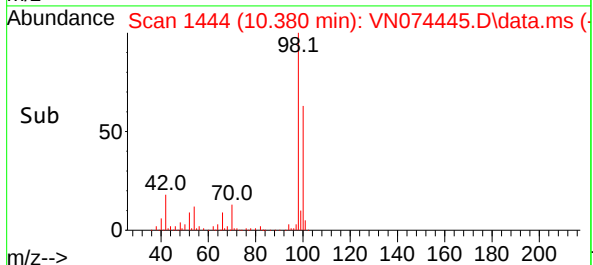
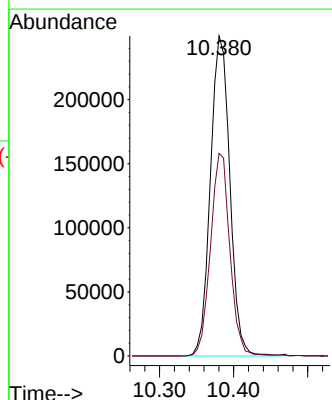
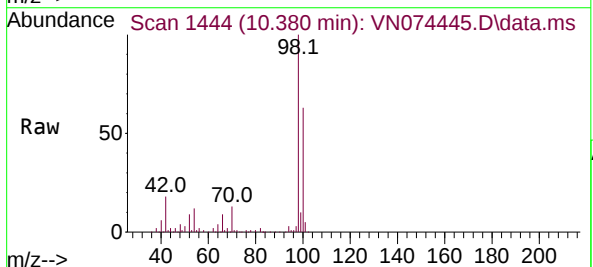
Instrument :
MSVOA_N
ClientSampleId :
EB02-090122

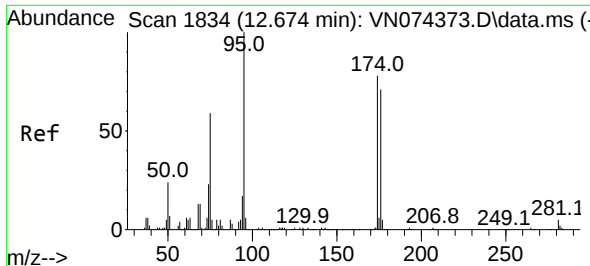
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 26.9 40.3#
58 0.0 52.7 79.1#



#50
Toluene-d8
Concen: 47.088 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

Tgt Ion: 98 Resp: 455457
Ion Ratio Lower Upper
98 100
100 63.2 50.6 76.0

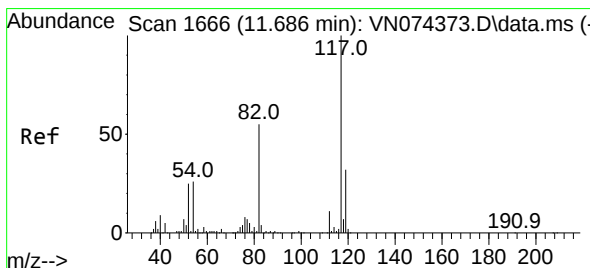
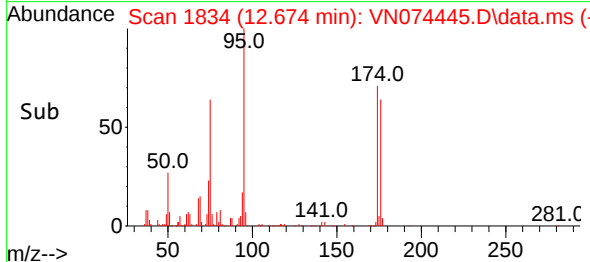
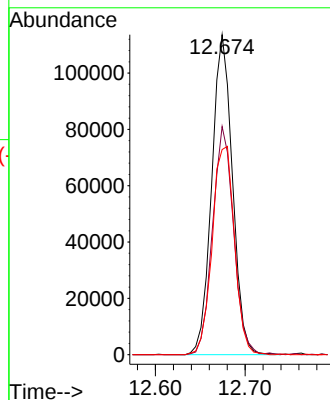
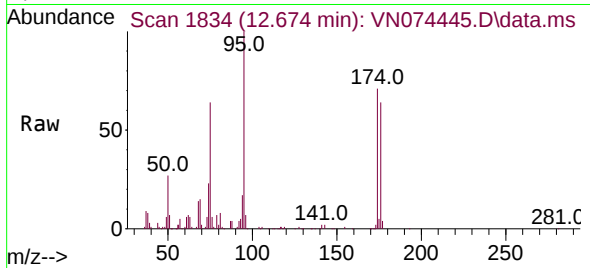




#62
4-Bromofluorobenzene
Concen: 51.870 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

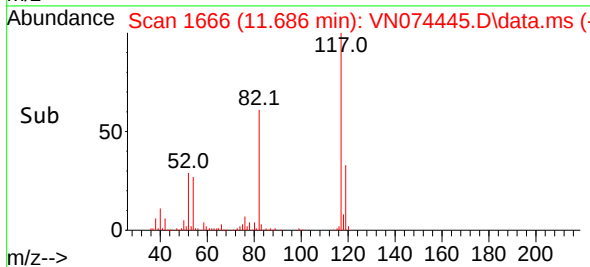
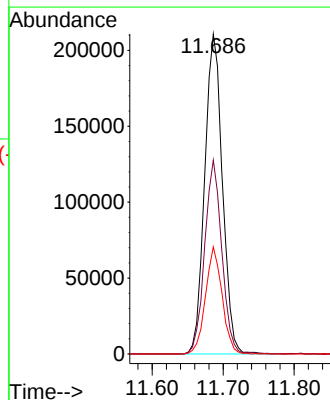
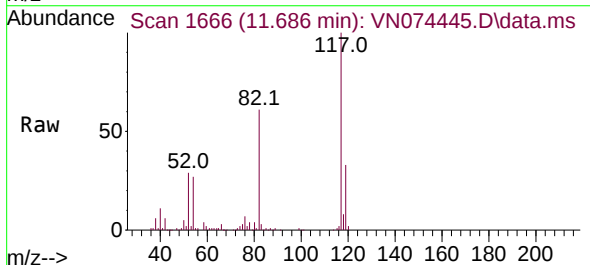
Instrument :
MSVOA_N
ClientSampleId :
EB02-090122

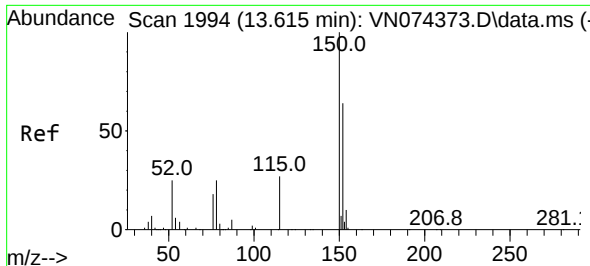
Tgt Ion: 95 Resp: 182154
Ion Ratio Lower Upper
95 100
174 72.2 0.0 150.6
176 70.1 0.0 143.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

Tgt Ion: 117 Resp: 366071
Ion Ratio Lower Upper
117 100
82 60.6 44.3 66.5
119 33.4 25.5 38.3

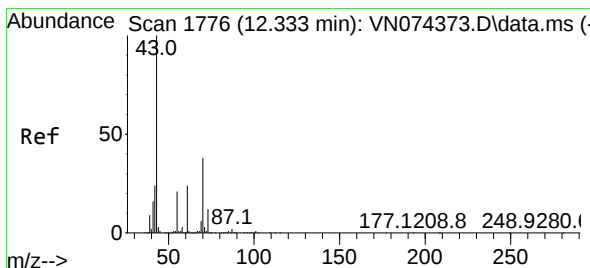
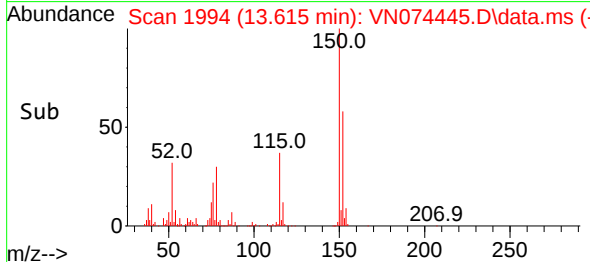
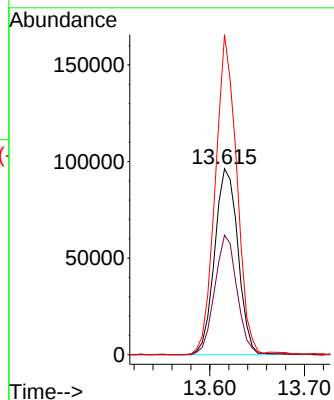
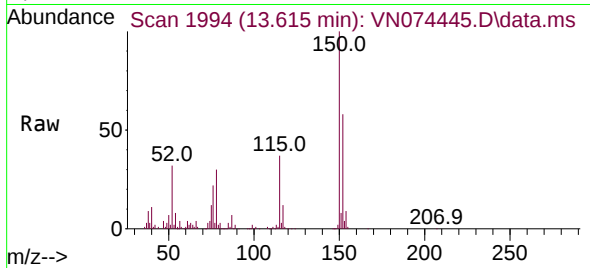




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

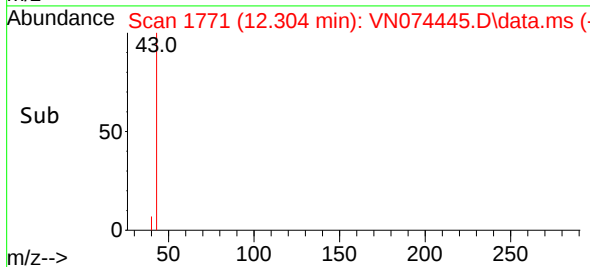
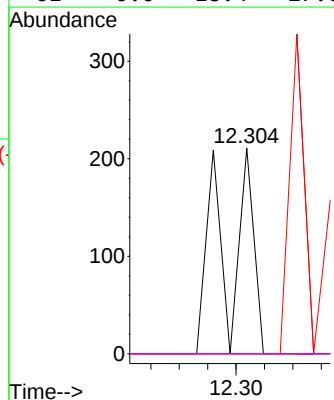
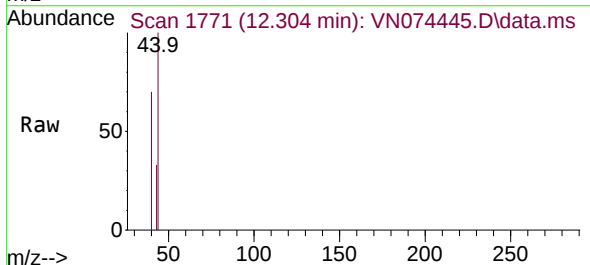
Instrument :
MSVOA_N
ClientSampleId :
EB02-090122

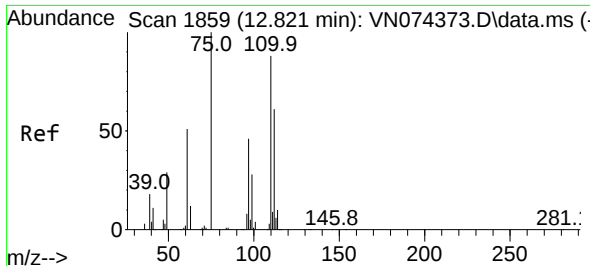
Tgt Ion:152 Resp: 164885
Ion Ratio Lower Upper
152 100
115 61.8 32.0 96.0
150 158.0 0.0 359.6



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.304 min Scan# 1771
Delta R.T. -0.029 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

Tgt Ion: 43 Resp: 148
Ion Ratio Lower Upper
43 100
70 0.0 31.4 47.0#
55 115.5 17.0 25.6#
61 0.0 18.4 27.6#

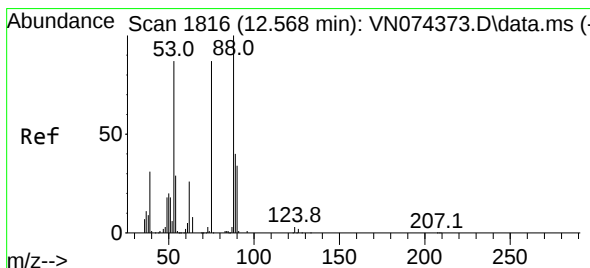
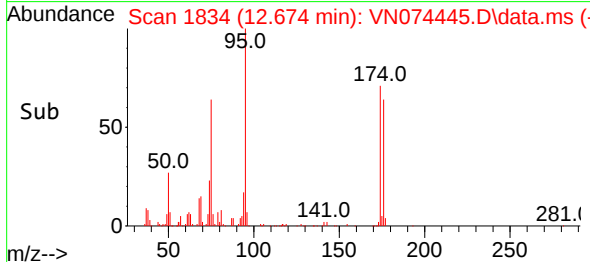
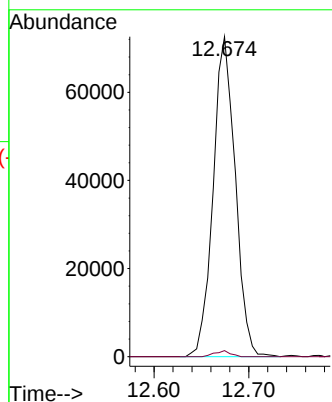
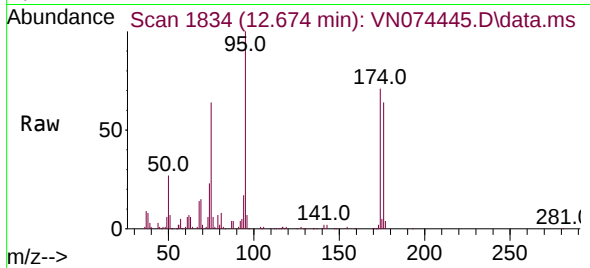




#76
1,2,3-Trichloropropane
Concen: 27.344 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

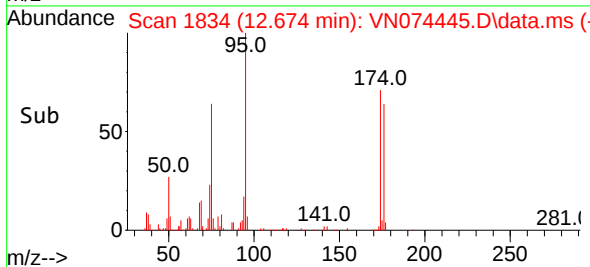
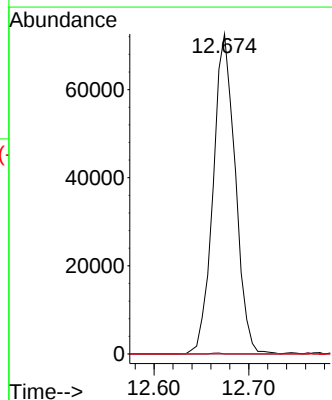
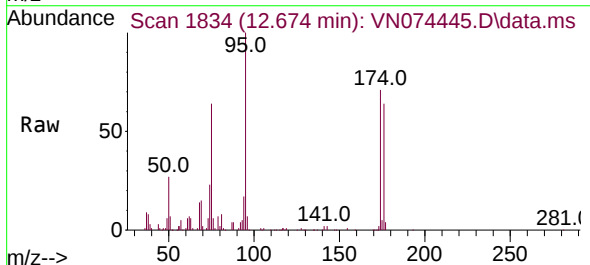
Instrument :
MSVOA_N
ClientSampleId :
EB02-090122

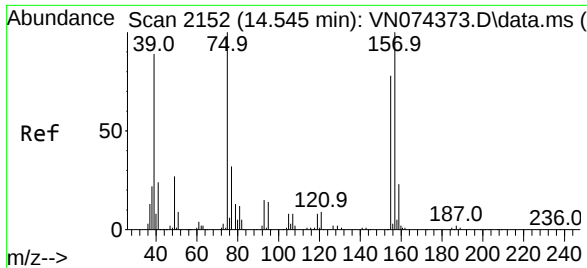
Tgt Ion: 75 Resp: 117862
Ion Ratio Lower Upper
75 100
77 1.3 78.9 236.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.949 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074445.D
Acq: 13 Sep 2022 20:09

Tgt Ion: 75 Resp: 117862
Ion Ratio Lower Upper
75 100
53 0.1 82.2 123.2#
89 0.0 37.7 56.5#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.645 min Scan# 21
 Delta R.T. 0.100 min
 Lab File: VN074445.D
 Acq: 13 Sep 2022 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 EB02-090122

Tgt Ion: 75 Resp: 59
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.6 109.9#
 157 0.0 46.2 138.5#

