

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091322\
 Data File : VN074430.D
 Acq On : 13 Sep 2022 13:59
 Operator : JC\MD
 Sample : N4471-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-083122

Quant Time: Sep 13 17:15:45 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

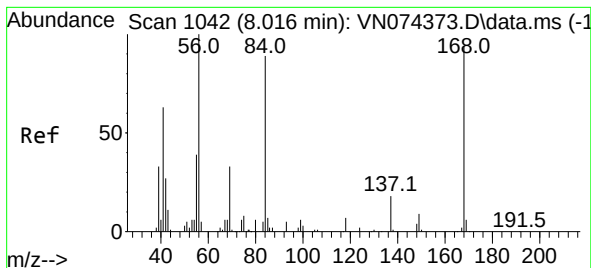
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.016	168	207250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	394453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	380506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	161457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	245729	68.530	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	137.060%#
35) Dibromofluoromethane	7.951	113	193070	72.502	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	145.000%#
50) Toluene-d8	10.381	98	656210	63.243	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	126.480%#
62) 4-Bromofluorobenzene	12.675	95	231293	61.397	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	122.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	2989	Below Cal	#	85
5) Bromomethane	2.810	94	738	0.235	ug/l #	51
6) Chloroethane	2.963	64	4036	Below Cal	#	51
11) Tert butyl alcohol	5.281	59	203	0.216	ug/l #	71
16) Acetone	4.228	43	22072	11.402	ug/l	91
20) Methylene Chloride	5.010	84	3009	Below Cal	#	75
25) 2-Butanone	7.263	43	5078	1.563	ug/l #	83
28) Bromochloromethane	7.569	49	73	Below Cal	#	20
29) Tetrahydrofuran	7.622	42	1150	0.535	ug/l #	83
31) Cyclohexane	8.010	56	8594	1.507	ug/l #	73
36) 1,1-Dichloropropene	8.016	75	20674	4.713	ug/l #	48
37) Ethyl Acetate	7.263	43	5078	0.798	ug/l #	73
38) Carbon Tetrachloride	8.022	117	23923	5.282	ug/l #	13
44) Trichloroethene	9.163	130	1526	0.507	ug/l	100
51) 4-Methyl-2-Pentanone	10.269	43	3969	0.583	ug/l #	87
60) Dibromochloromethane	11.169	129	832	0.240	ug/l #	11
74) N-amyl acetate	12.327	43	355	Below Cal	#	45
76) 1,2,3-Trichloropropane	12.675	75	147162	34.866	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	147162	77.716	ug/l #	9

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

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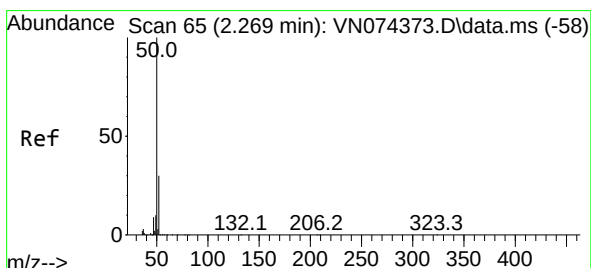
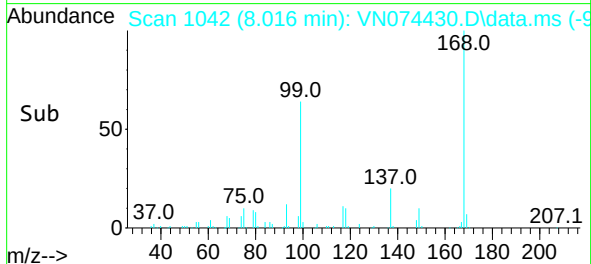
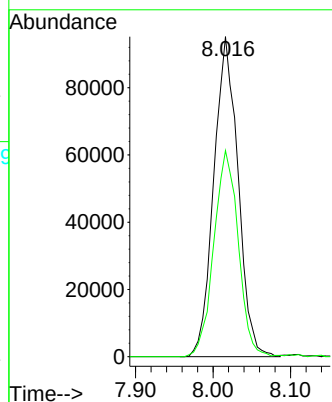
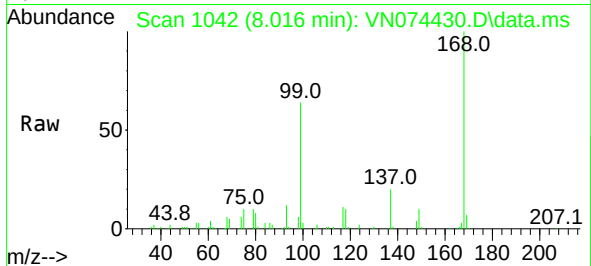




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

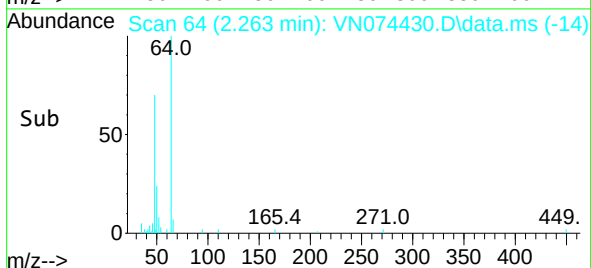
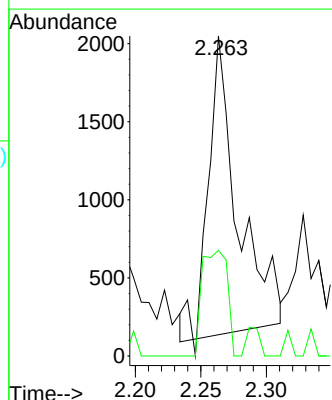
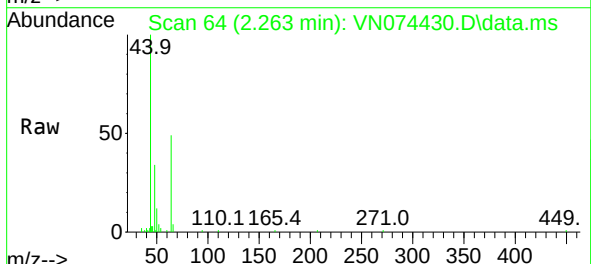
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

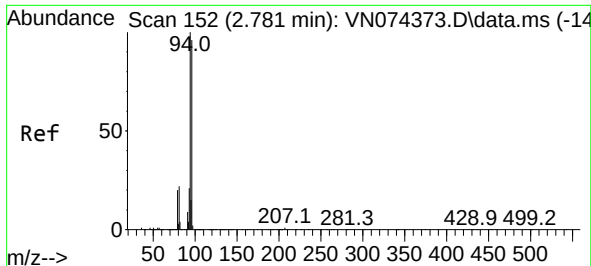
Tgt Ion:168 Resp: 207250
Ion Ratio Lower Upper
168 100
99 64.4 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

Tgt Ion: 50 Resp: 2989
Ion Ratio Lower Upper
50 100
52 38.1 24.1 36.1#

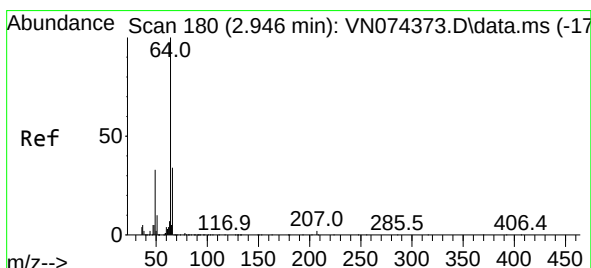
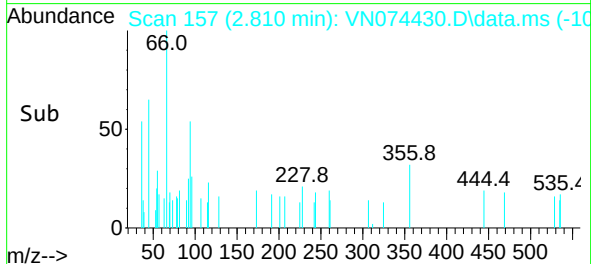
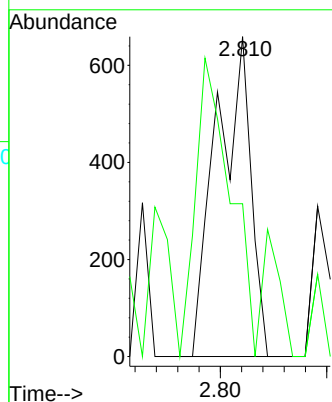
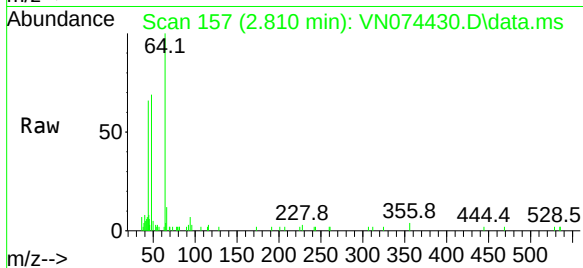




#5
Bromomethane
Concen: 0.235 ug/l
RT: 2.810 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

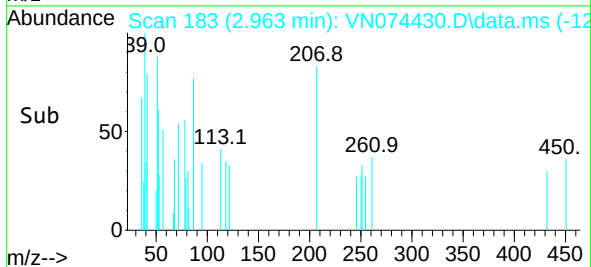
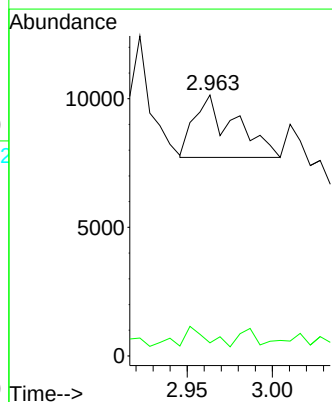
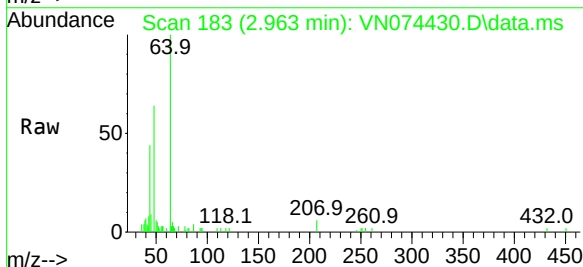
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

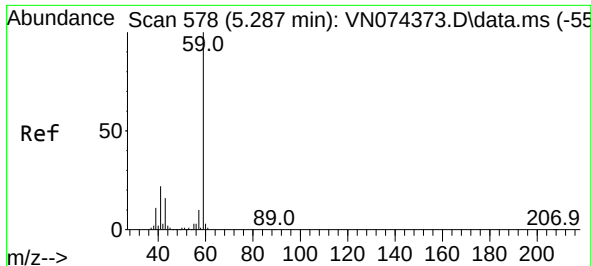
Tgt Ion: 94 Resp: 738
Ion Ratio Lower Upper
94 100
96 47.8 76.7 115.1#



#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 183
Delta R.T. 0.017 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

Tgt Ion: 64 Resp: 4036
Ion Ratio Lower Upper
64 100
66 5.2 26.5 39.7#





#11

Tert butyl alcohol

Concen: 0.216 ug/l

RT: 5.281 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN074430.D

Acq: 13 Sep 2022 13:59

Instrument :

MSVOA_N

ClientSampleId :

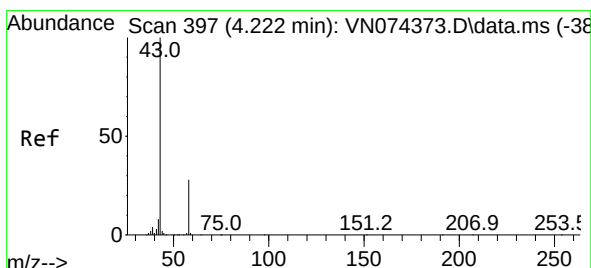
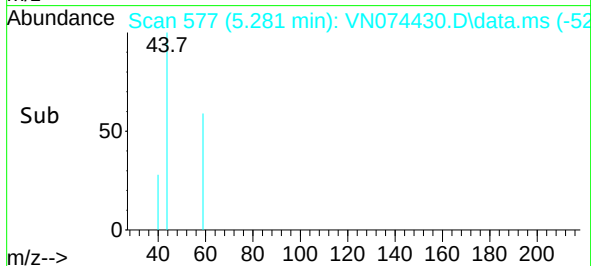
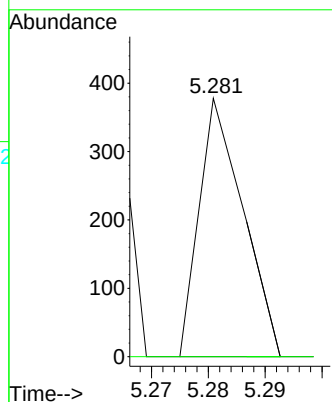
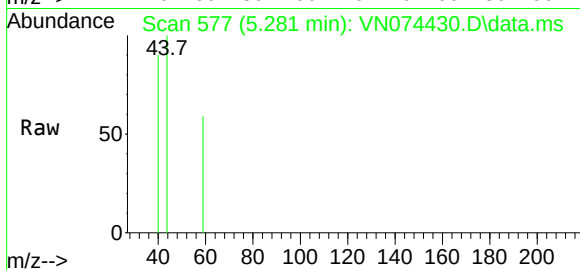
EB01-083122

Tgt Ion: 59 Resp: 203

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#16

Acetone

Concen: 11.402 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN074430.D

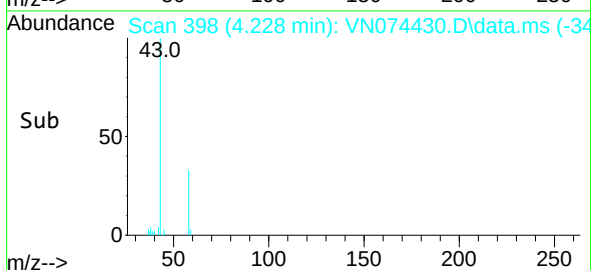
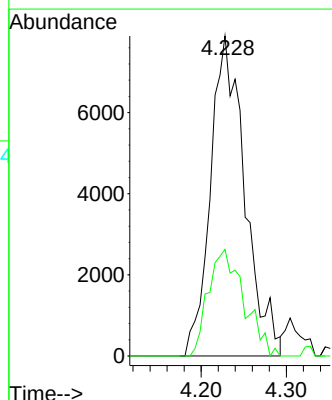
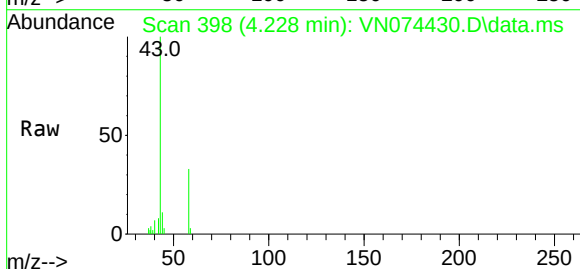
Acq: 13 Sep 2022 13:59

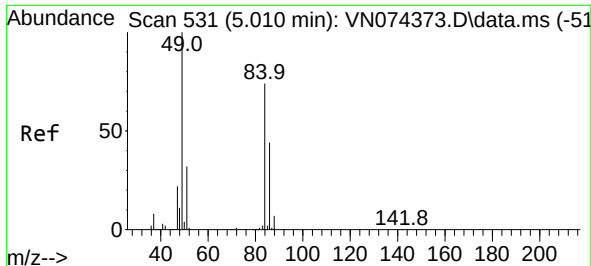
Tgt Ion: 43 Resp: 22072

Ion Ratio Lower Upper

43 100

58 33.3 22.7 34.1

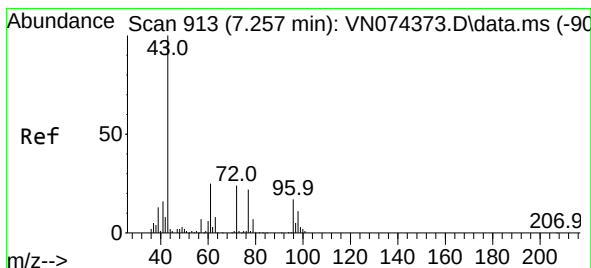
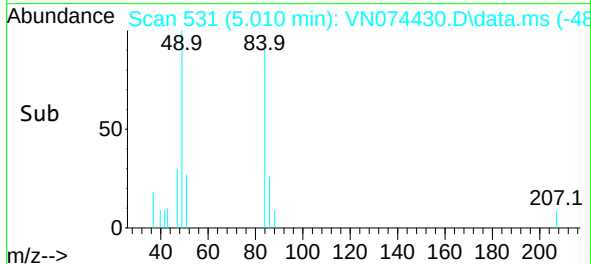
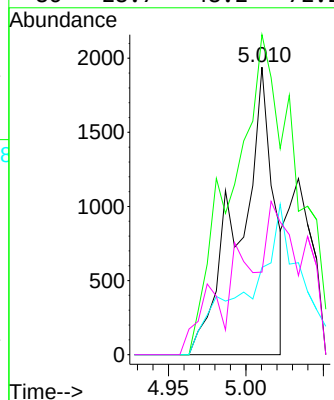
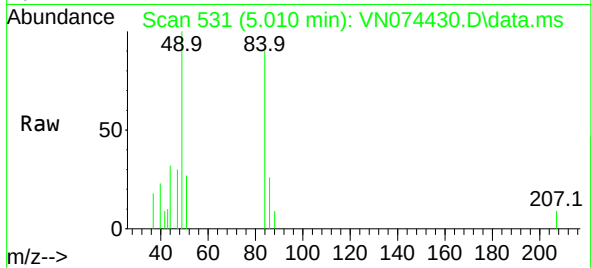




#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

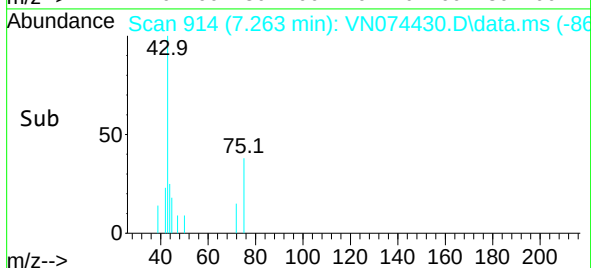
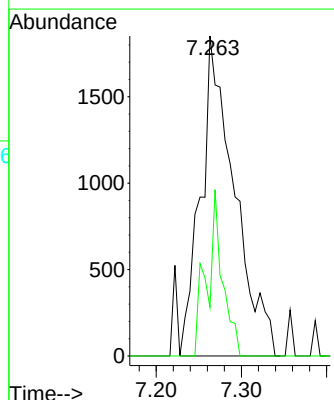
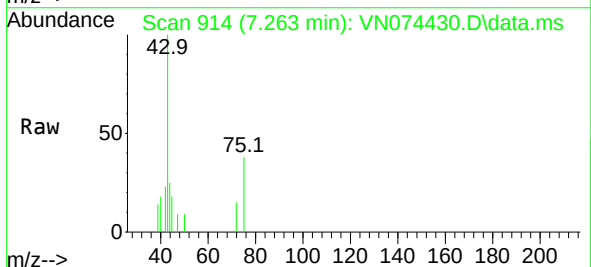
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

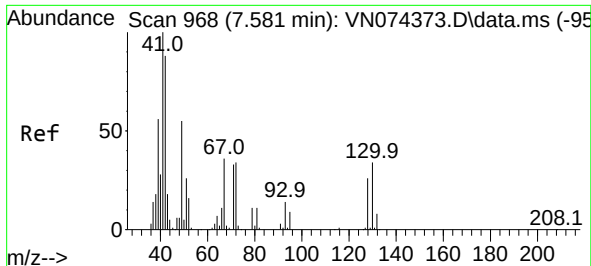
Tgt Ion: 84 Resp: 3009
Ion Ratio Lower Upper
84 100
49 111.3 108.2 162.4
51 30.3 34.3 51.5#
86 28.7 48.2 72.2#



#25
2-Butanone
Concen: 1.563 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

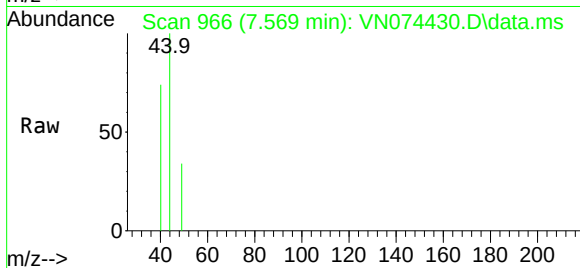
Tgt Ion: 43 Resp: 5078
Ion Ratio Lower Upper
43 100
72 15.2 18.9 28.3#



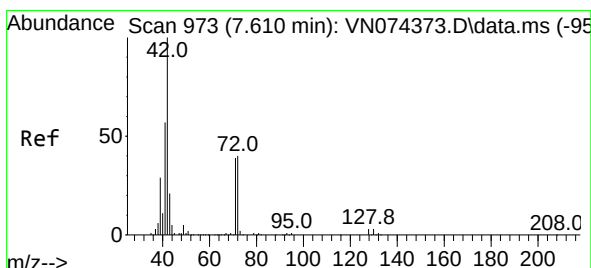
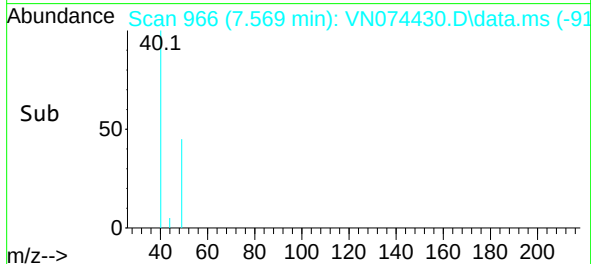
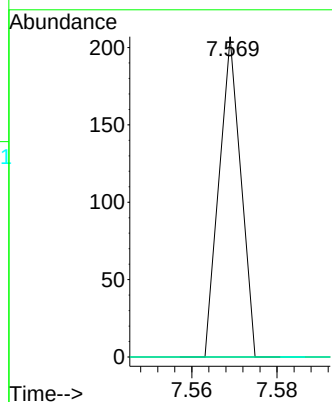


#28
Bromochloromethane
Concen: Below Cal
RT: 7.569 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

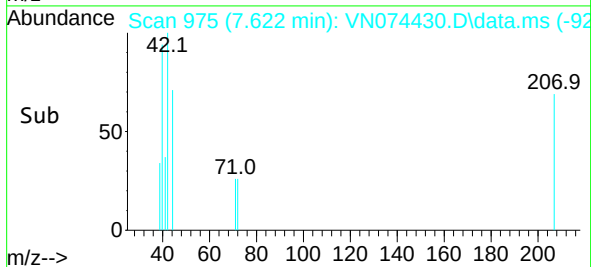
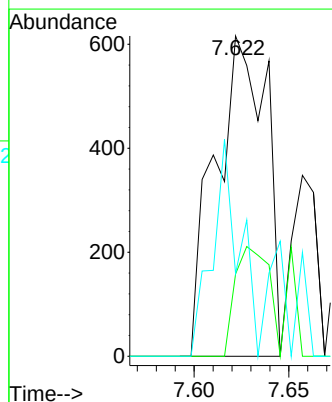
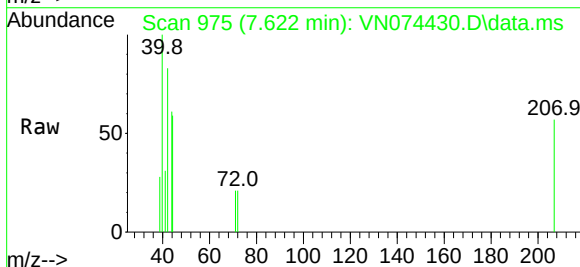


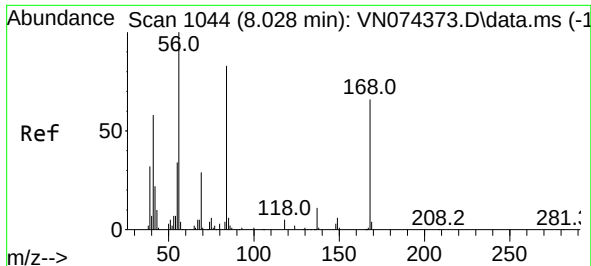
Tgt Ion: 49 Resp: 73
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 50.0 75.0#



#29
Tetrahydrofuran
Concen: 0.535 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.012 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

Tgt Ion: 42 Resp: 1150
Ion Ratio Lower Upper
42 100
72 22.7 32.7 49.1#
71 35.8 31.0 46.6

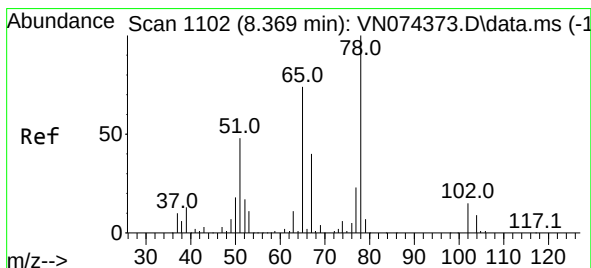
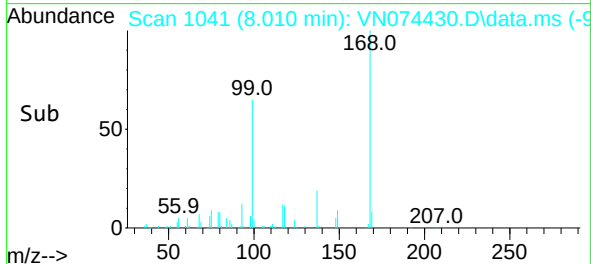
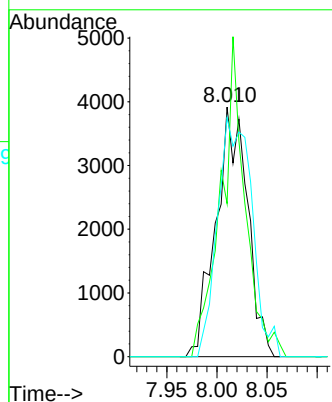
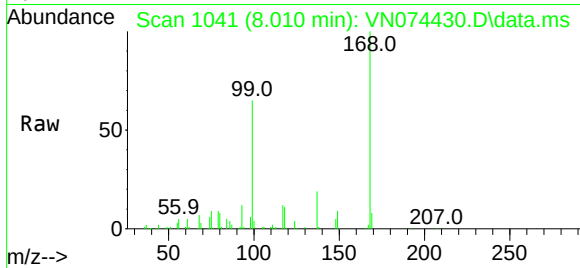




#31
Cyclohexane
Concen: 1.507 ug/l
RT: 8.010 min Scan# 1044
Delta R.T. -0.017 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

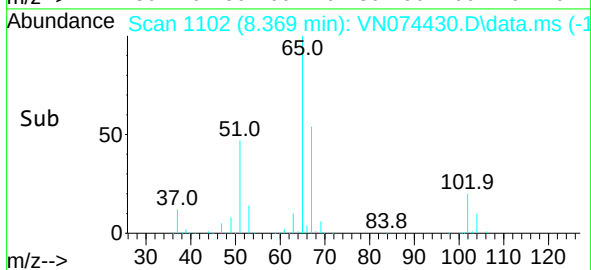
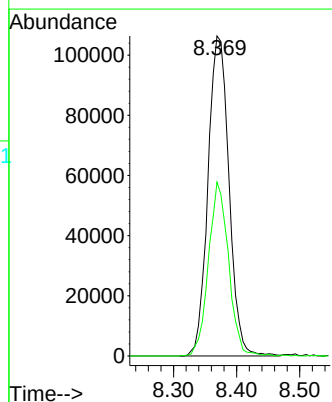
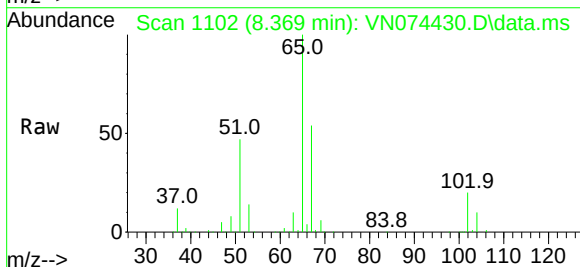
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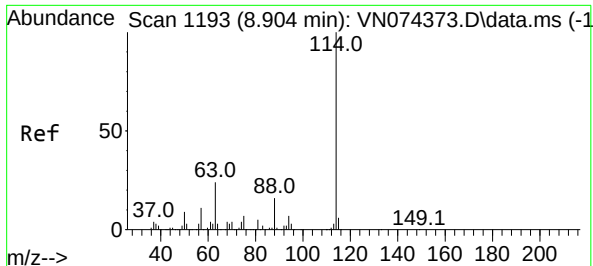
Tgt Ion: 56 Resp: 8594
Ion Ratio Lower Upper
56 100
69 61.4 23.0 34.4#
84 95.9 66.3 99.5



#33
1,2-Dichloroethane-d4
Concen: 68.530 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

Tgt Ion: 65 Resp: 245729
Ion Ratio Lower Upper
65 100
67 52.1 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: VN074430.D

Acq: 13 Sep 2022 13:59

Instrument :

MSVOA_N

ClientSampleId :

EB01-083122

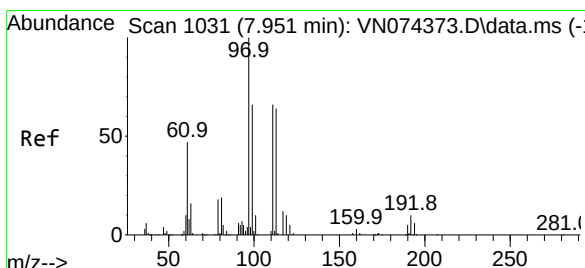
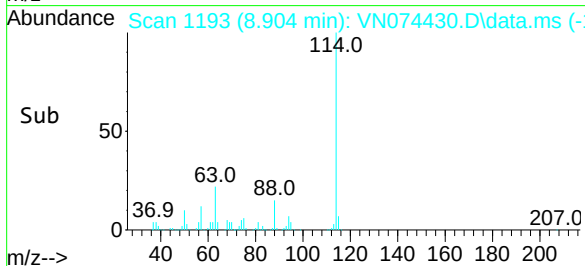
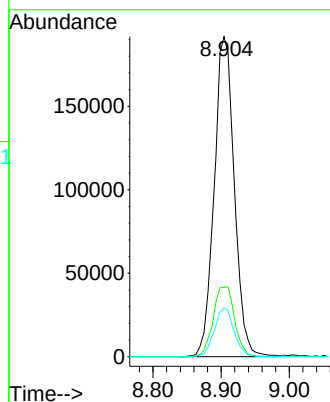
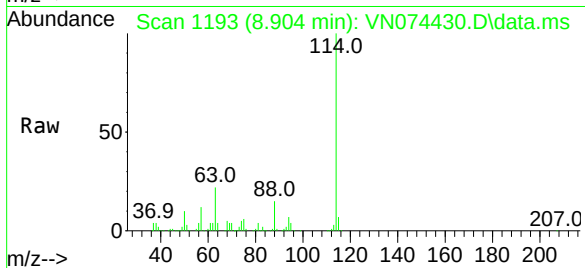
Tgt Ion:114 Resp: 394453

Ion Ratio Lower Upper

114 100

63 21.7 0.0 47.6

88 15.2 0.0 31.4



#35

Dibromofluoromethane

Concen: 72.502 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074430.D

Acq: 13 Sep 2022 13:59

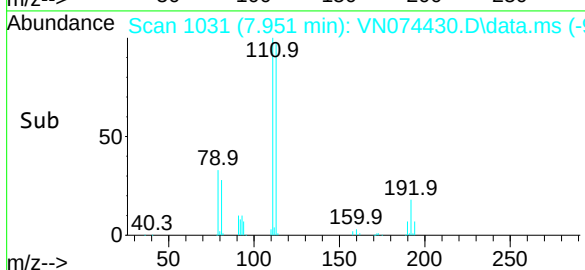
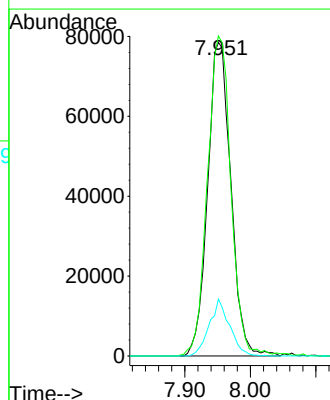
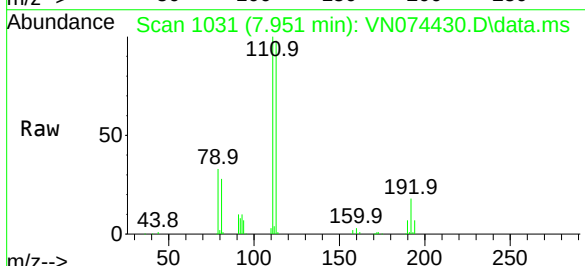
Tgt Ion:113 Resp: 193070

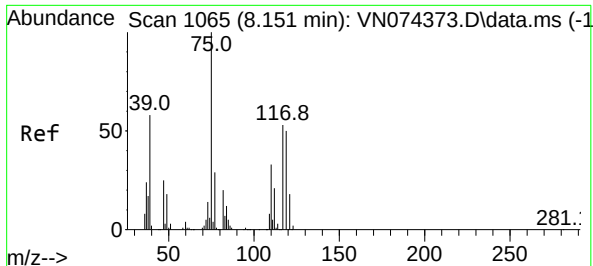
Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

192 15.9 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.713 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN074430.D

Acq: 13 Sep 2022 13:59

Instrument :

MSVOA_N

ClientSampleId :

EB01-083122

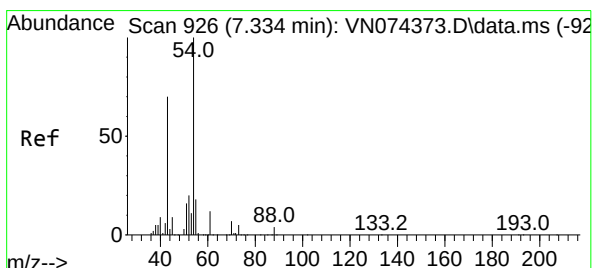
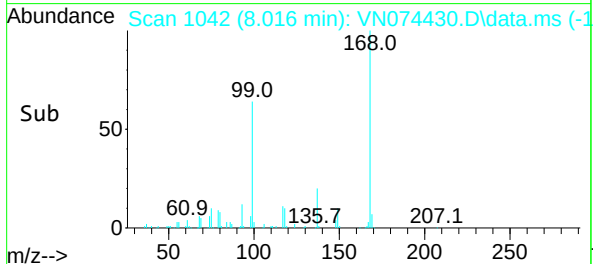
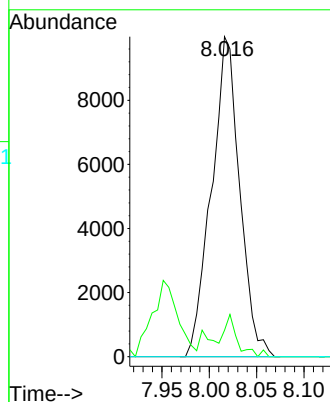
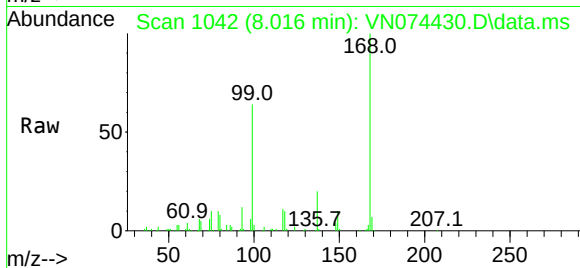
Tgt Ion: 75 Resp: 20674

Ion Ratio Lower Upper

75 100

110 6.2 16.4 49.1#

77 0.0 25.4 38.2#



#37

Ethyl Acetate

Concen: 0.798 ug/l

RT: 7.263 min Scan# 914

Delta R.T. -0.070 min

Lab File: VN074430.D

Acq: 13 Sep 2022 13:59

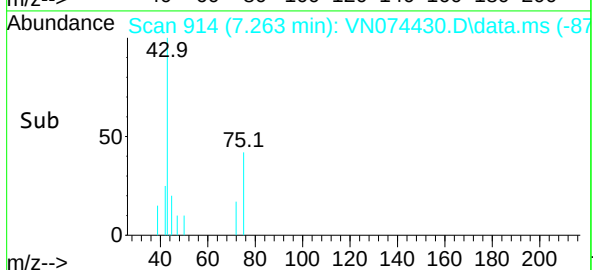
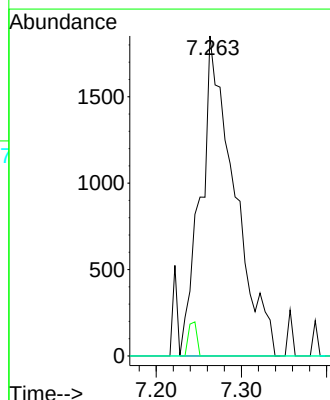
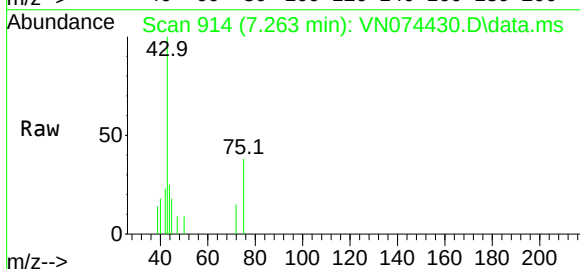
Tgt Ion: 43 Resp: 5078

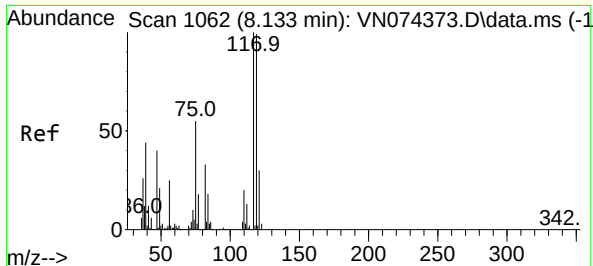
Ion Ratio Lower Upper

43 100

61 2.6 11.1 16.7#

70 0.0 7.2 10.8#

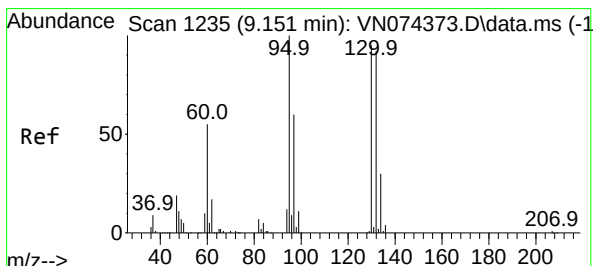
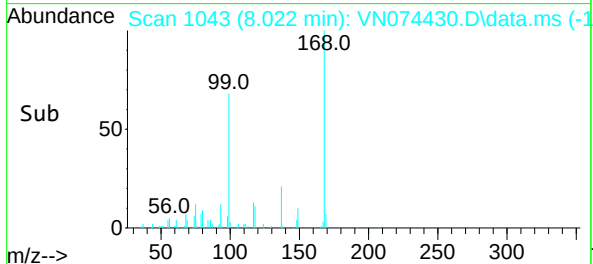
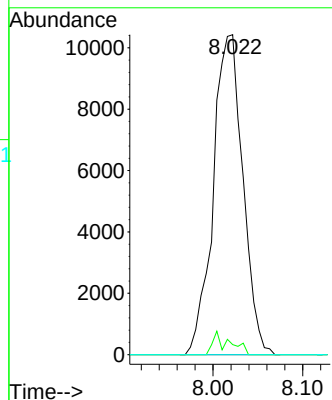
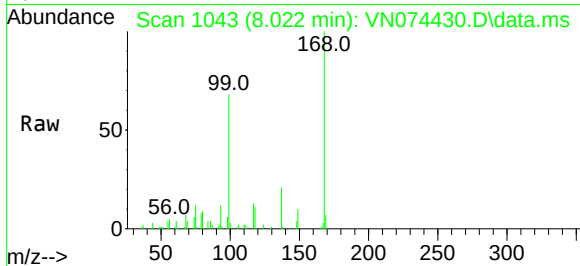




#38
Carbon Tetrachloride
Concen: 5.282 ug/l
RT: 8.022 min Scan# 1062
Delta R.T. -0.112 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

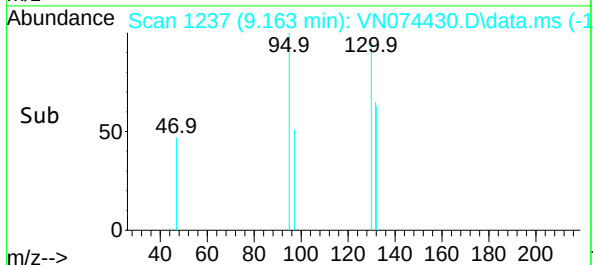
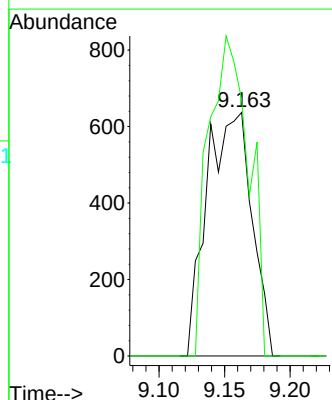
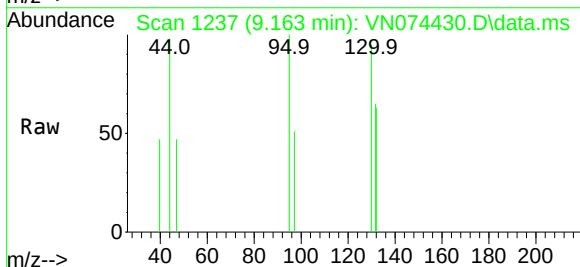
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

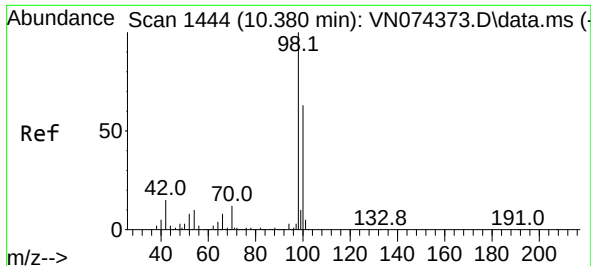
Tgt Ion:117 Resp: 23923
Ion Ratio Lower Upper
117 100
119 3.1 78.8 118.2#
121 0.0 24.1 36.1#



#44
Trichloroethene
Concen: 0.507 ug/l
RT: 9.163 min Scan# 1237
Delta R.T. 0.012 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

Tgt Ion:130 Resp: 1526
Ion Ratio Lower Upper
130 100
95 105.3 0.0 210.0

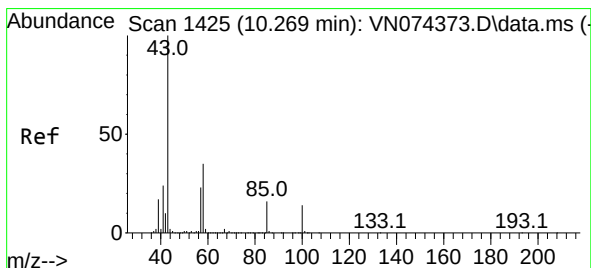
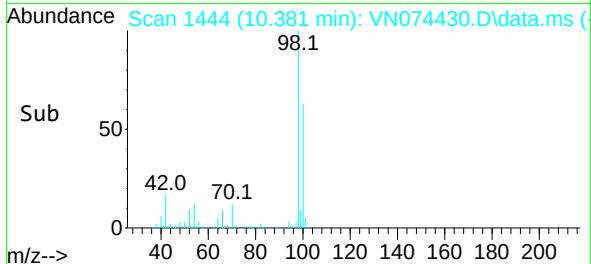
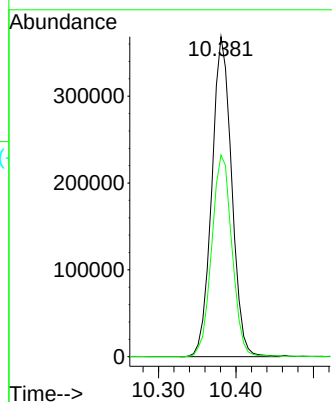
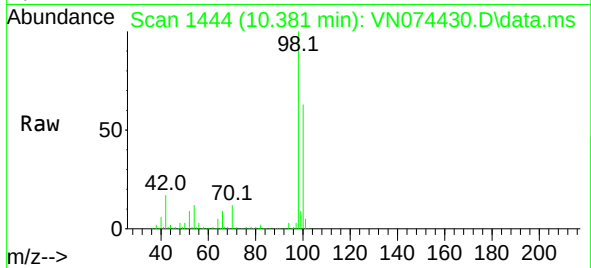




#50
Toluene-d8
Concen: 63.243 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

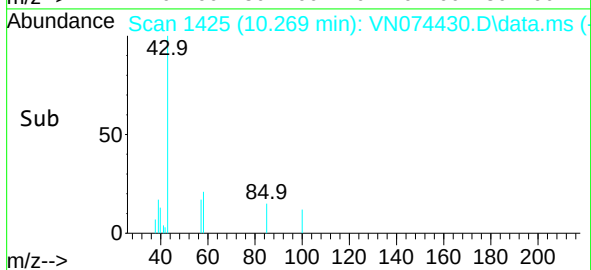
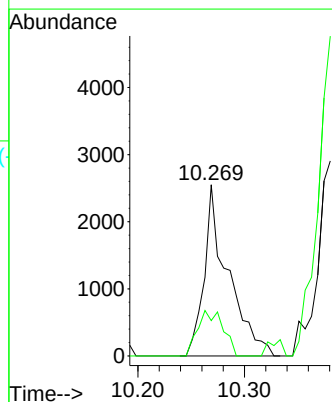
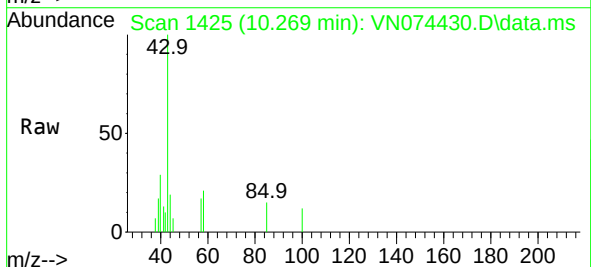
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

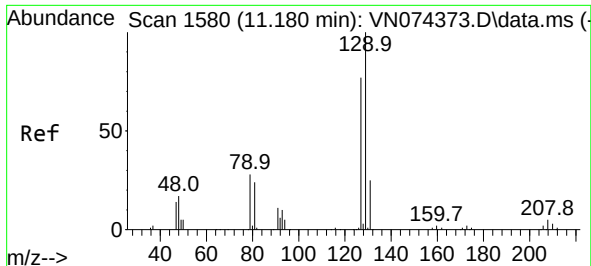
Tgt Ion: 98 Resp: 656210
Ion Ratio Lower Upper
98 100
100 64.5 50.6 76.0



#51
4-Methyl-2-Pentanone
Concen: 0.583 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

Tgt Ion: 43 Resp: 3969
Ion Ratio Lower Upper
43 100
58 28.5 29.0 43.6#

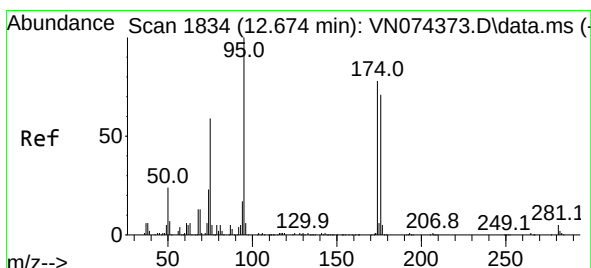
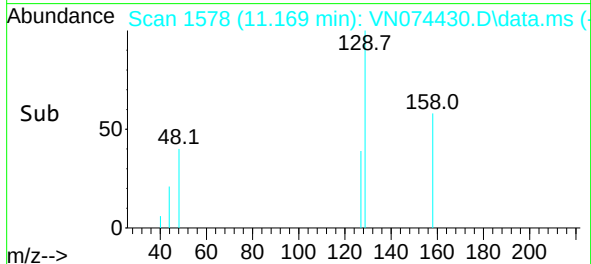
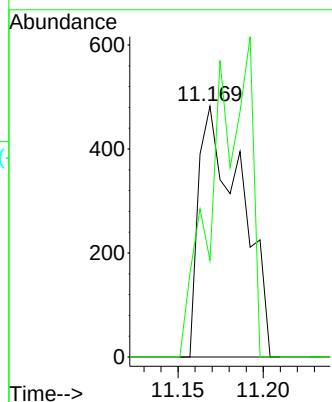
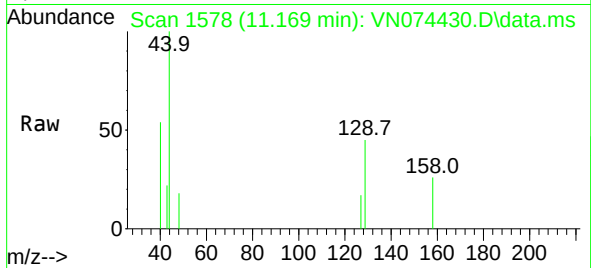




#60
Dibromochloromethane
Concen: 0.240 ug/l
RT: 11.169 min Scan# 111
Delta R.T. -0.012 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

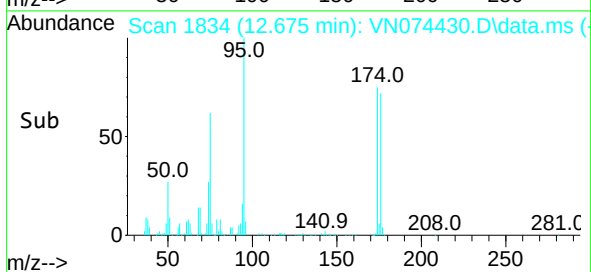
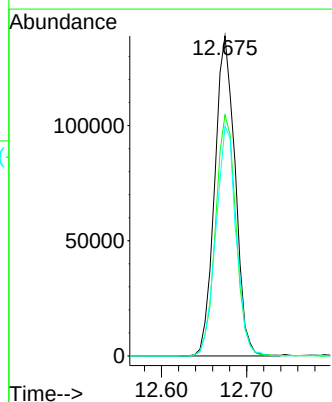
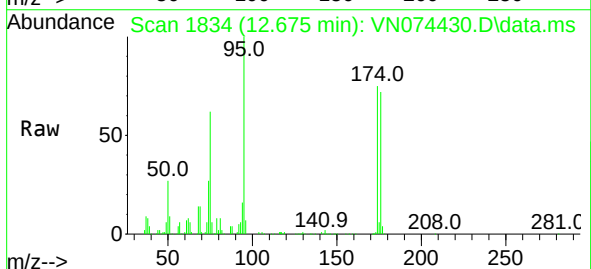
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

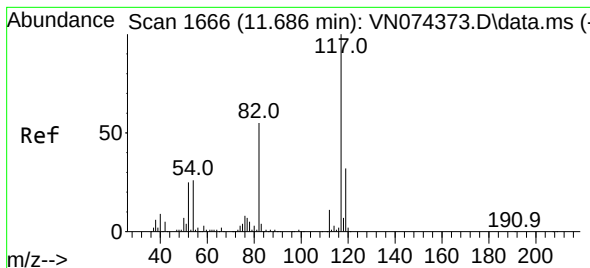
Tgt Ion:129 Resp: 832
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#



#62
4-Bromofluorobenzene
Concen: 61.397 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

Tgt Ion: 95 Resp: 231293
Ion Ratio Lower Upper
95 100
174 75.0 0.0 150.6
176 71.4 0.0 143.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074430.D

Acq: 13 Sep 2022 13:59

Instrument :

MSVOA_N

ClientSampleId :

EB01-083122

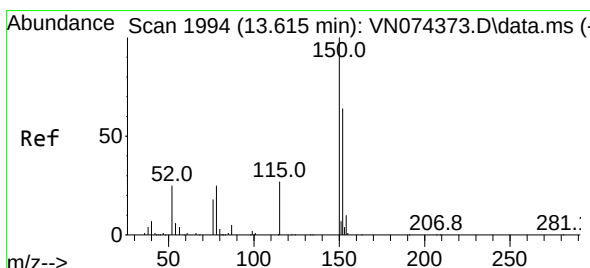
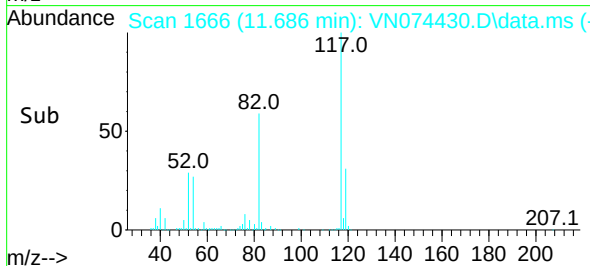
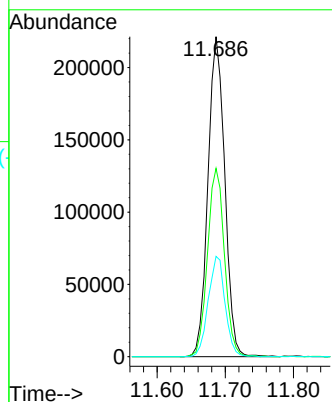
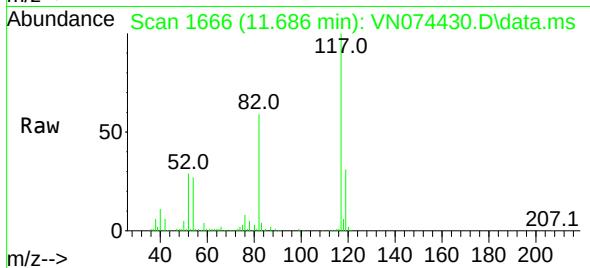
Tgt Ion:117 Resp: 380506

Ion Ratio Lower Upper

117 100

82 58.9 44.3 66.5

119 31.3 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.001 min

Lab File: VN074430.D

Acq: 13 Sep 2022 13:59

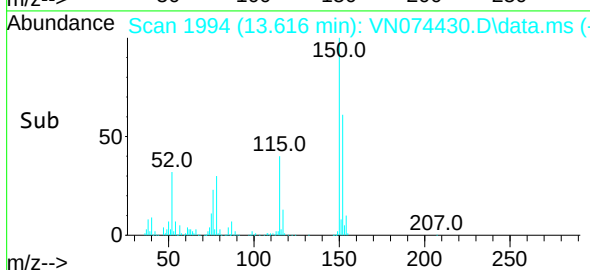
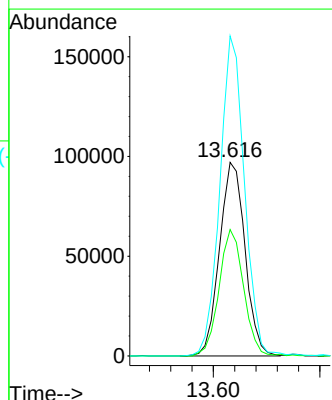
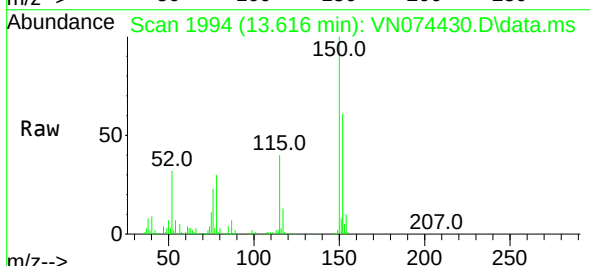
Tgt Ion:152 Resp: 161457

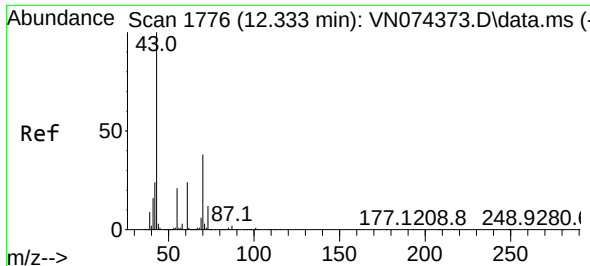
Ion Ratio Lower Upper

152 100

115 62.9 32.0 96.0

150 159.6 0.0 359.6

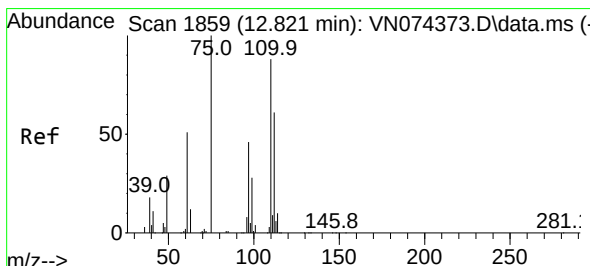
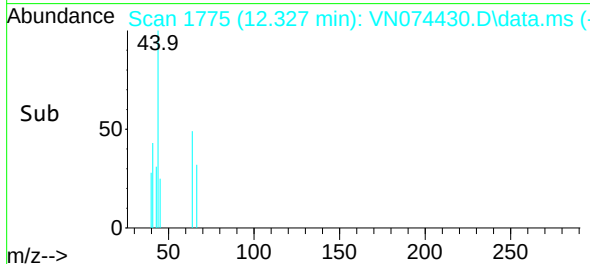
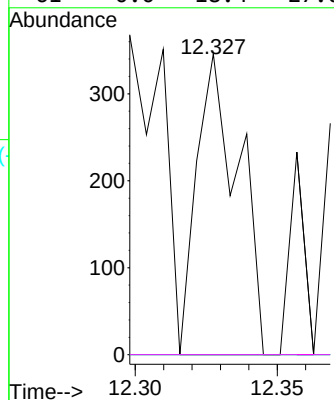
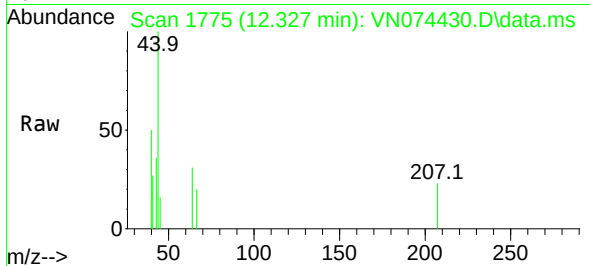




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

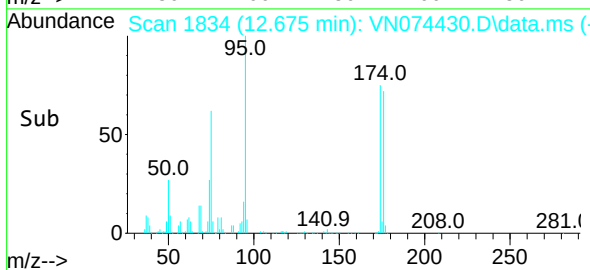
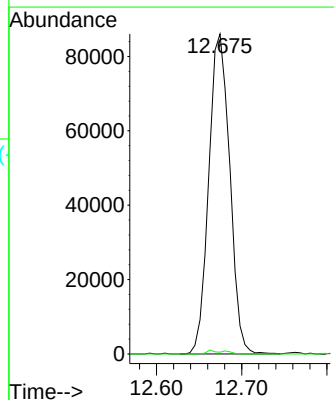
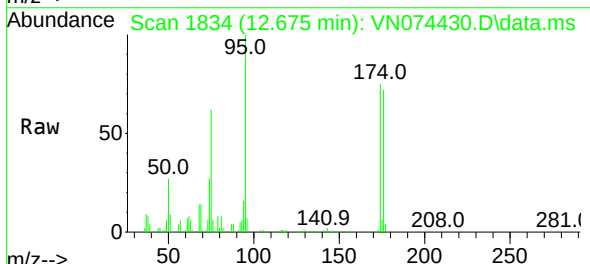
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

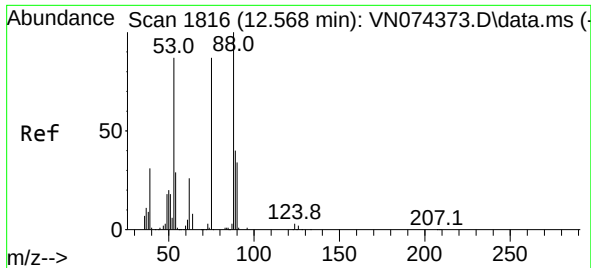
Tgt Ion: 43	Resp:	355
Ion	Ratio	Lower Upper
43	100	
70	0.0	31.4 47.0#
55	0.0	17.0 25.6#
61	0.0	18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 34.866 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074430.D
Acq: 13 Sep 2022 13:59

Tgt Ion: 75	Resp:	147162
Ion	Ratio	Lower Upper
75	100	
77	0.6	78.9 236.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.716 ug/l
 RT: 12.675 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN074430.D
 Acq: 13 Sep 2022 13:59

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-083122

Tgt Ion: 75 Resp: 147162
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.2 123.2#
 89 0.0 37.7 56.5#

