

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101122\
 Data File : VN074854.D
 Acq On : 11 Oct 2022 18:14
 Operator : JC\MD
 Sample : PB148255ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#03

Quant Time: Oct 12 03:56:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

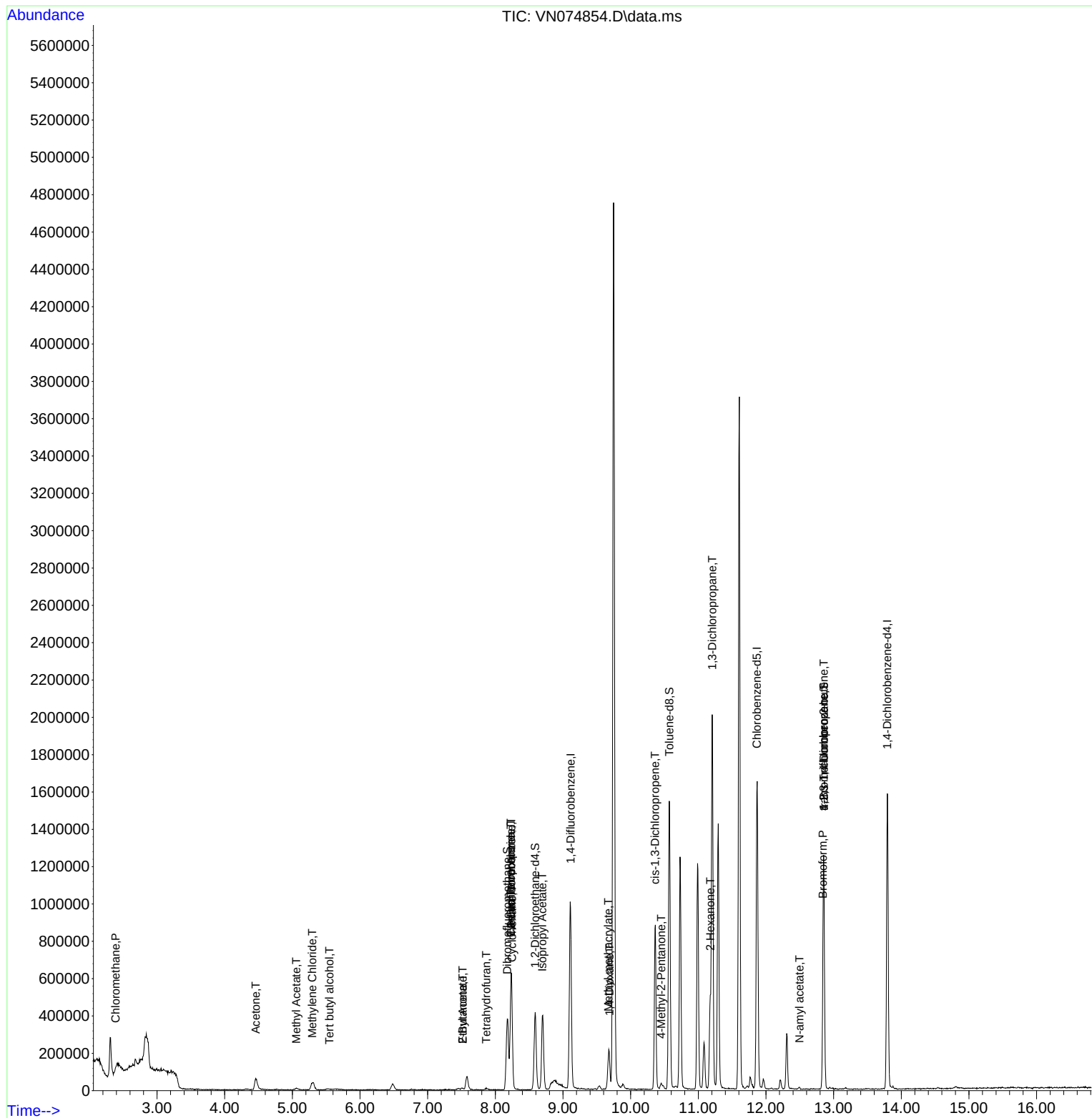
Internal Standards						
1) Pentafluorobenzene	8.235	168	427311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	851692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	925064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	402112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	308752	30.495	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	60.980%#		
35) Dibromofluoromethane	8.177	113	273186	31.747	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	63.500%#		
50) Toluene-d8	10.570	98	1026593	27.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	55.600%#		
62) 4-Bromofluorobenzene	12.853	95	392191	34.942	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	69.880%#		
Target Compounds						Qvalue
3) Chloromethane	2.389	50	3234	0.248	ug/l #	59
11) Tert butyl alcohol	5.547	59	4810	1.418	ug/l #	78
13) Acrolein	4.194	56	180	Below Cal	#	15
16) Acetone	4.459	43	111667	19.462	ug/l	98
18) Methyl Acetate	5.059	43	20979	0.988	ug/l #	82
20) Methylene Chloride	5.294	84	29739	1.086	ug/l #	81
25) 2-Butanone	7.518	43	13780	1.323	ug/l #	81
29) Tetrahydrofuran	7.865	42	3814	0.526	ug/l #	85
31) Cyclohexane	8.247	56	13184	0.753	ug/l #	60
36) 1,1-Dichloropropene	8.229	75	38893	2.792	ug/l #	51
37) Ethyl Acetate	7.518	43	13780	0.247	ug/l #	86
38) Carbon Tetrachloride	8.229	117	51059	3.887	ug/l #	18
43) Isopropyl Acetate	8.694	43	477081	13.819	ug/l #	91
48) Methyl methacrylate	9.671	41	14647	1.033	ug/l #	16
49) 1,4-Dioxane	9.688	88	72	0.234	ug/l #	24
51) 4-Methyl-2-Pentanone	10.453	43	37505	1.687	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	159185	8.454	ug/l #	70
57) 1,3-Dichloropropane	11.206	76	21620	1.101	ug/l #	44
59) 2-Hexanone	11.176	43	415874	24.730	ug/l #	24
71) Bromoform	12.841	173	1893	0.240	ug/l #	1
74) N-amyl acetate	12.494	43	4907	0.210	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.941	83	211	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	228039	19.000	ug/l #	1
77) Bromobenzene	12.859	156	245	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	228039	37.019	ug/l #	14
96) 1,2,3-Trichlorobenzene	15.841	180	1298	Below Cal	#	23

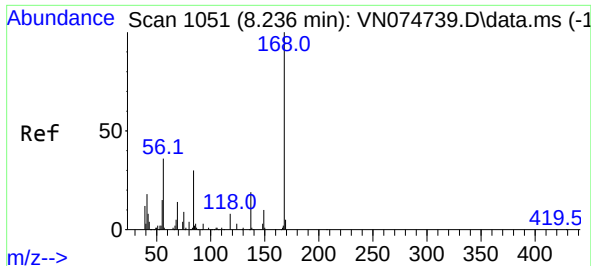
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101122\
Data File : VN074854.D
Acq On : 11 Oct 2022 18:14
Operator : JC\MD
Sample : PB148255ZHE#03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

Quant Time: Oct 12 03:56:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 05:37:50 2022
Response via : Initial Calibration

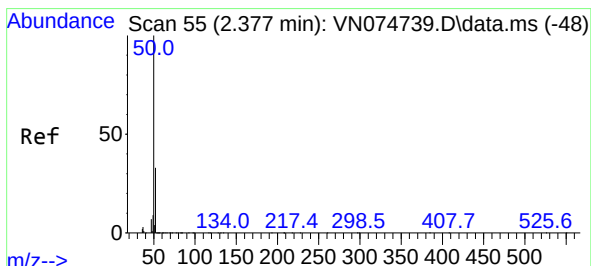
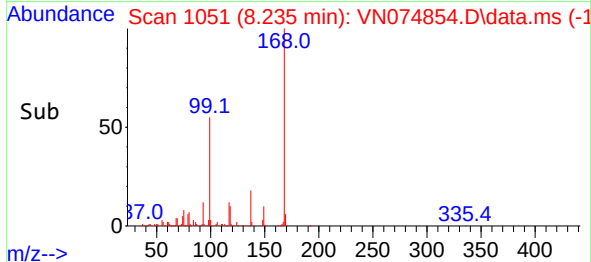
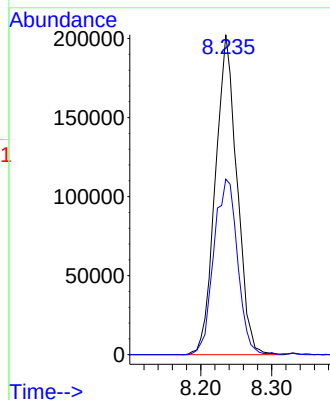
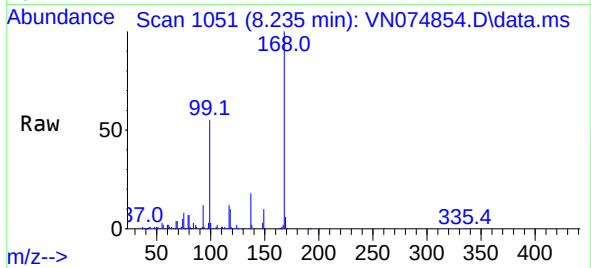




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

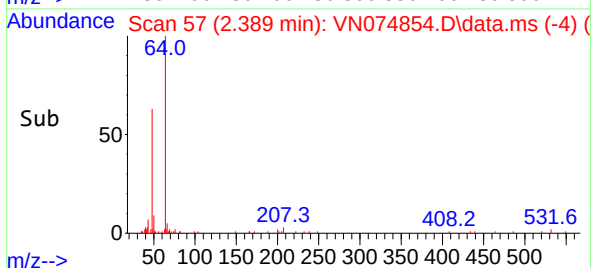
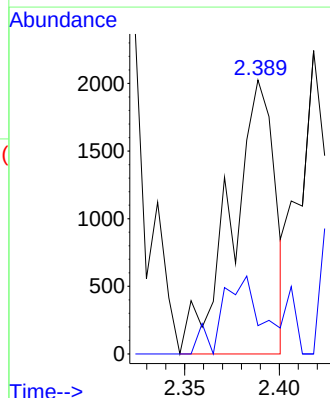
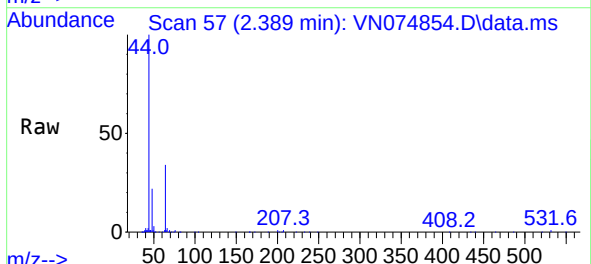
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

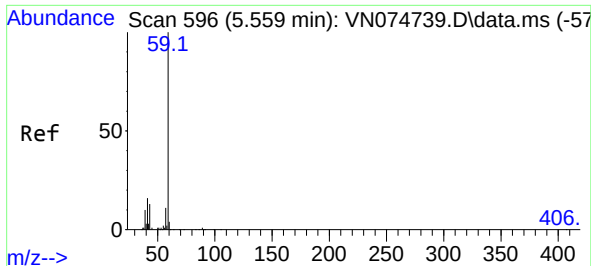
Tgt Ion:168 Resp: 427311
Ion Ratio Lower Upper
168 100
99 54.8 42.8 64.2



#3
Chloromethane
Concen: 0.248 ug/l
RT: 2.389 min Scan# 57
Delta R.T. 0.011 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Tgt Ion: 50 Resp: 3234
Ion Ratio Lower Upper
50 100
52 10.3 26.7 40.1#

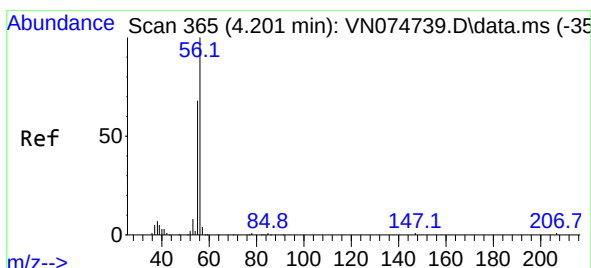
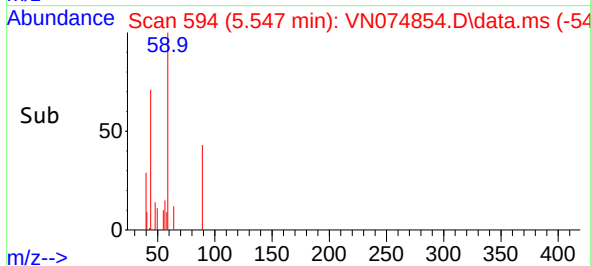
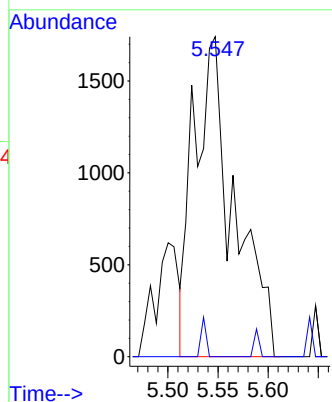
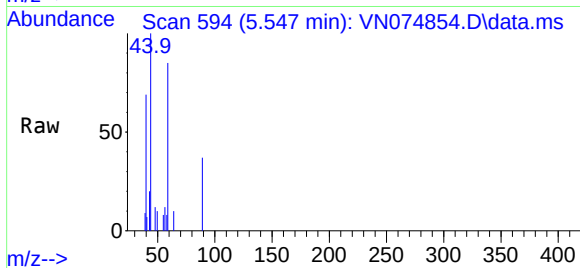




#11
Tert butyl alcohol
Concen: 1.418 ug/l
RT: 5.547 min Scan# 59
Delta R.T. -0.012 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

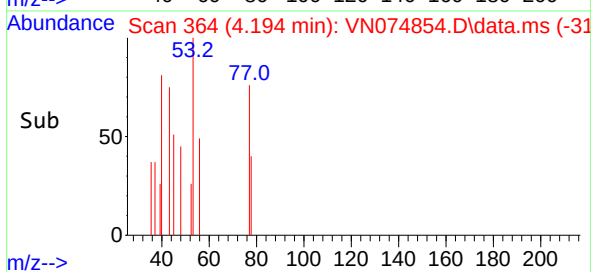
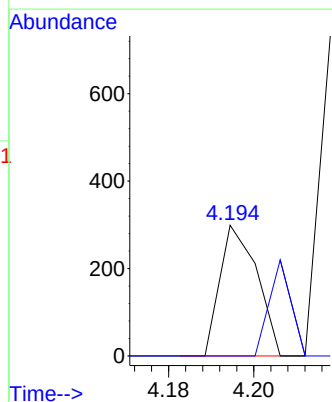
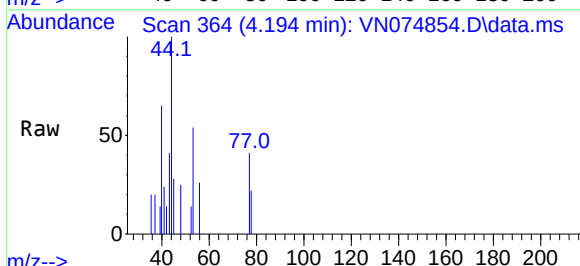
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

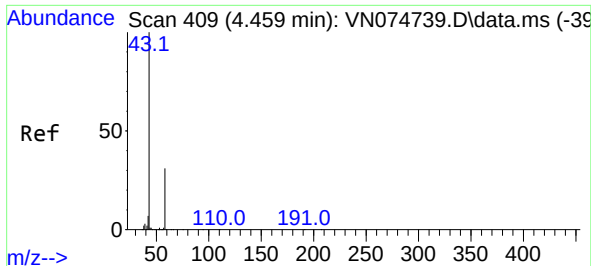
Tgt Ion: 59 Resp: 4810
Ion Ratio Lower Upper
59 100
57 1.6 7.7 11.5#



#13
Acrolein
Concen: Below Cal
RT: 4.194 min Scan# 364
Delta R.T. -0.007 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Tgt Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#

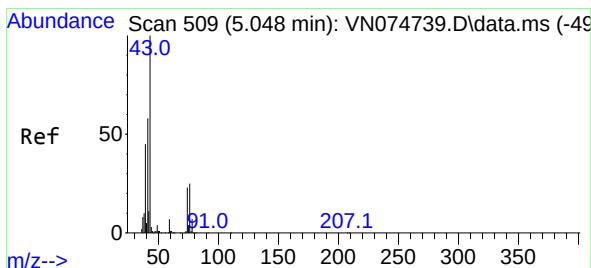
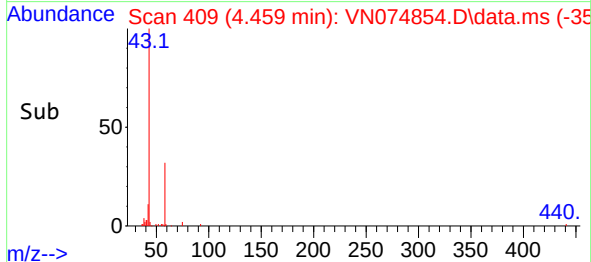
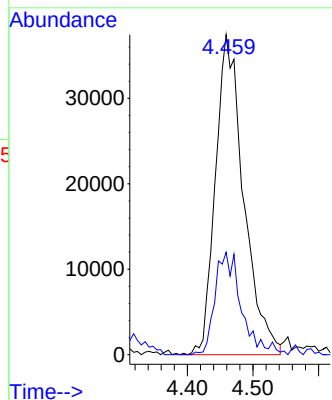
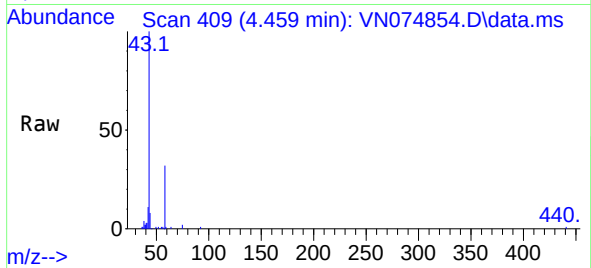




#16
Acetone
Concen: 19.462 ug/l
RT: 4.459 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

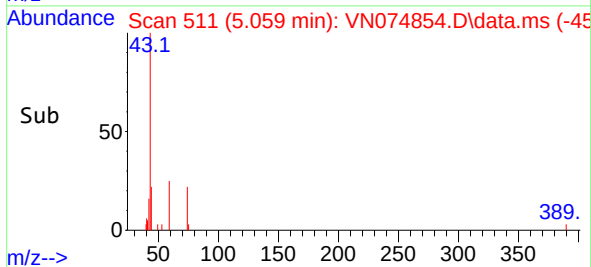
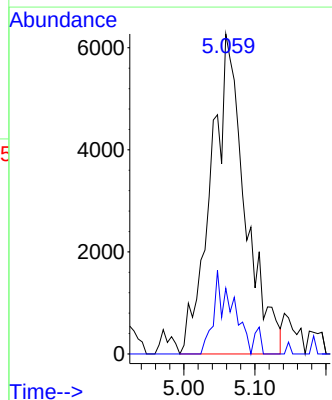
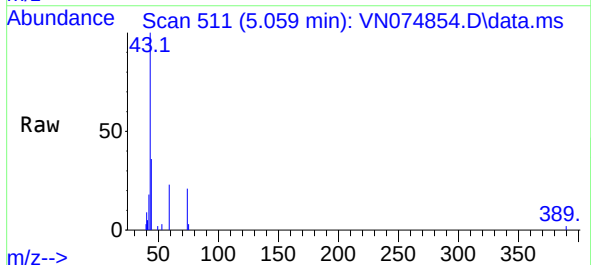
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

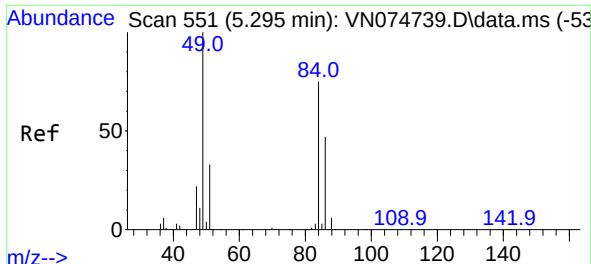
Tgt Ion: 43 Resp: 111667
Ion Ratio Lower Upper
43 100
58 32.0 24.9 37.3



#18
Methyl Acetate
Concen: 0.988 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.011 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Tgt Ion: 43 Resp: 20979
Ion Ratio Lower Upper
43 100
74 14.2 18.5 27.7#



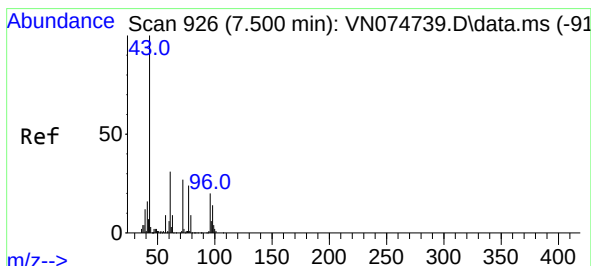
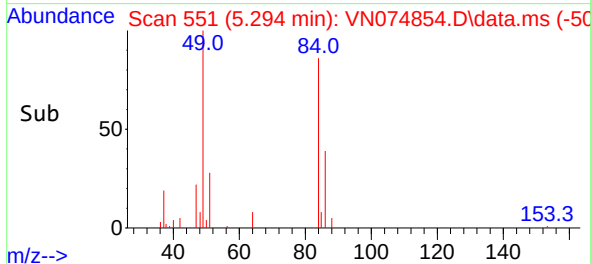
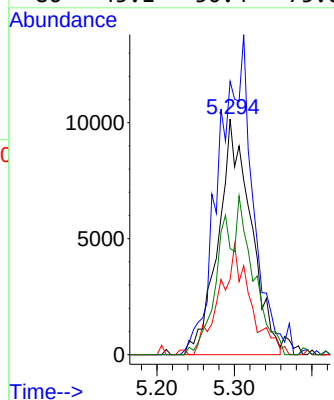
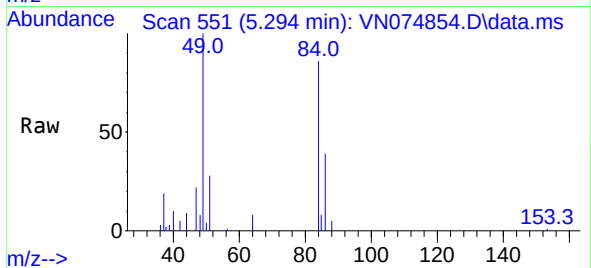


#20
Methylene Chloride
Concen: 1.086 ug/l
RT: 5.294 min Scan# 511
Delta R.T. -0.001 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

Tgt Ion: 84 Resp: 29739

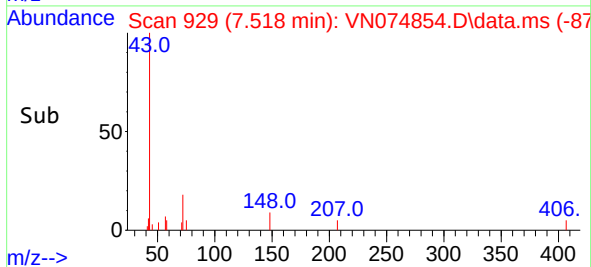
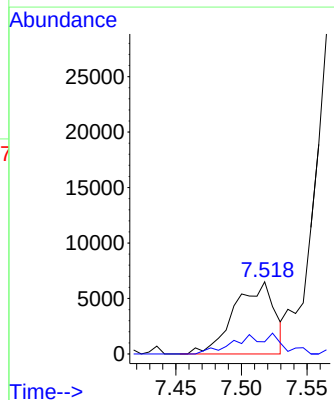
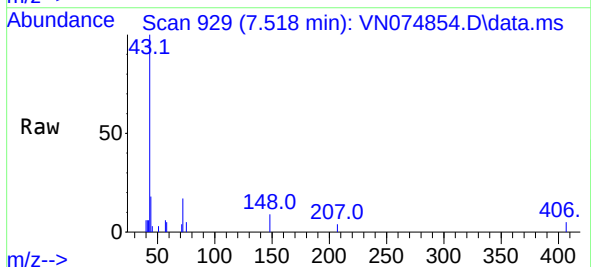
Ion	Ratio	Lower	Upper
84	100		
49	115.9	107.4	161.0
51	30.0	35.1	52.7#
86	45.1	50.4	75.6#

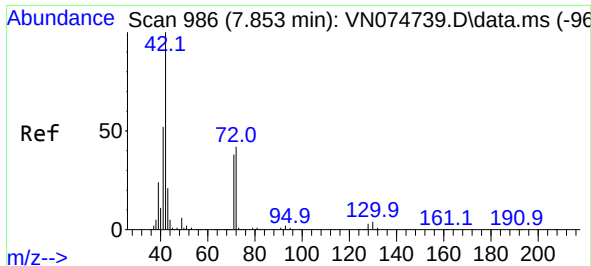


#25
2-Butanone
Concen: 1.323 ug/l
RT: 7.518 min Scan# 929
Delta R.T. 0.017 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Tgt Ion: 43 Resp: 13780

Ion	Ratio	Lower	Upper
43	100		
72	16.9	21.4	32.0#

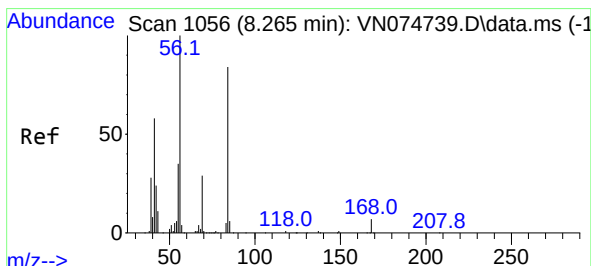
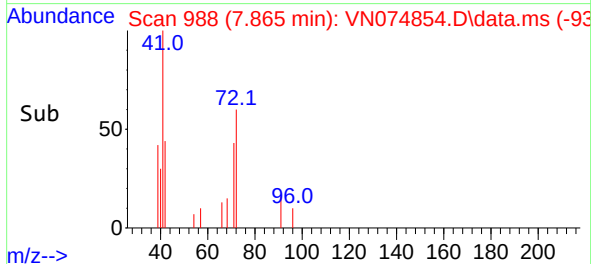
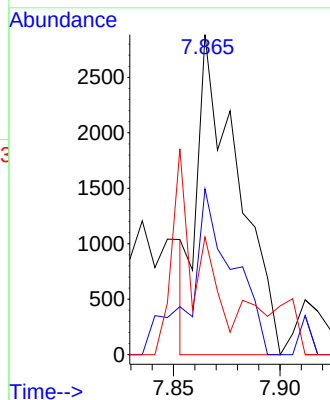
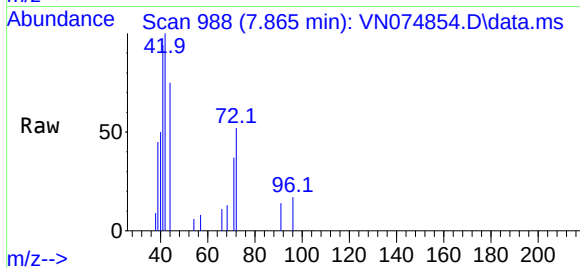




#29
Tetrahydrofuran
Concen: 0.526 ug/l
RT: 7.865 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

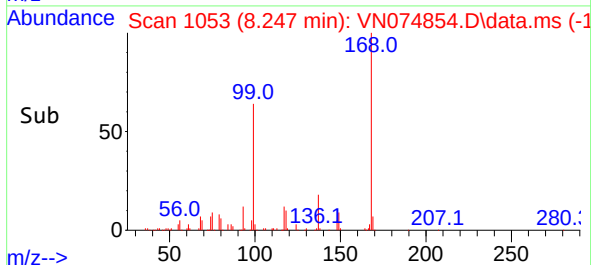
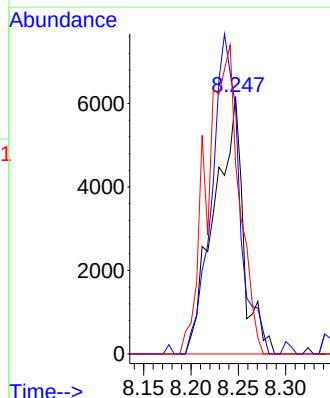
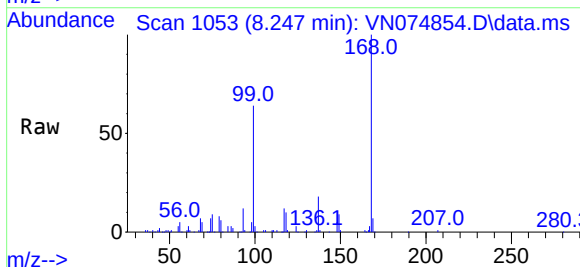
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

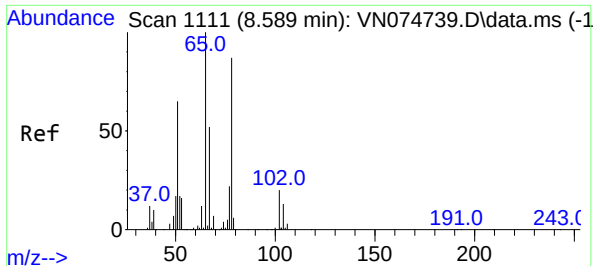
Tgt Ion:	42	Resp:	3814
Ion	Ratio	Lower	Upper
42	100		
72	55.1	33.0	49.6#
71	42.2	30.4	45.6



#31
Cyclohexane
Concen: 0.753 ug/l
RT: 8.247 min Scan# 1053
Delta R.T. -0.018 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Tgt Ion:	56	Resp:	13184
Ion	Ratio	Lower	Upper
56	100		
69	96.5	23.1	34.7#
84	74.2	67.1	100.7

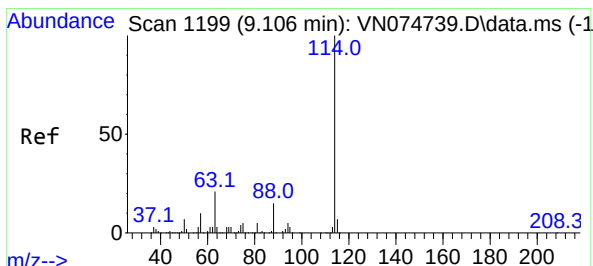
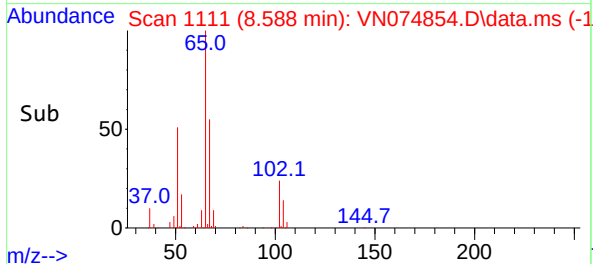
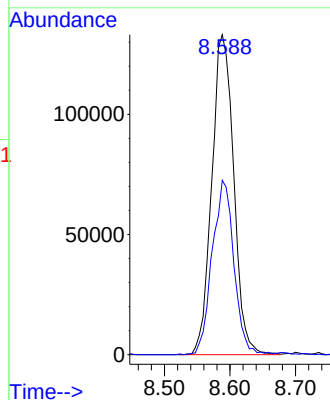
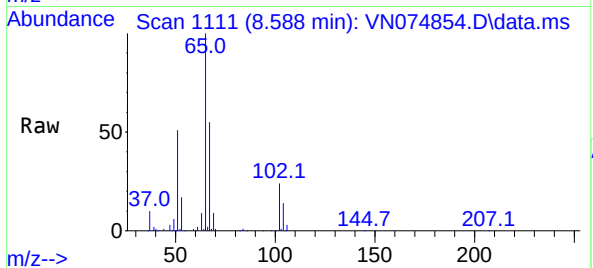




#33
1,2-Dichloroethane-d4
Concen: 30.495 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

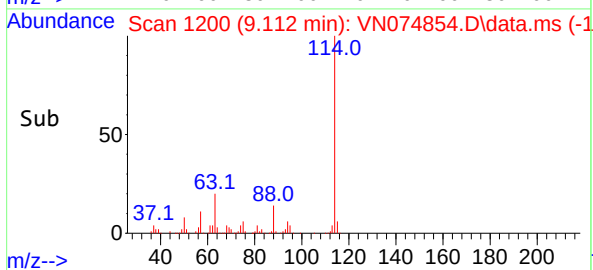
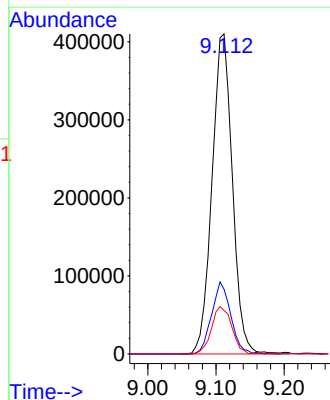
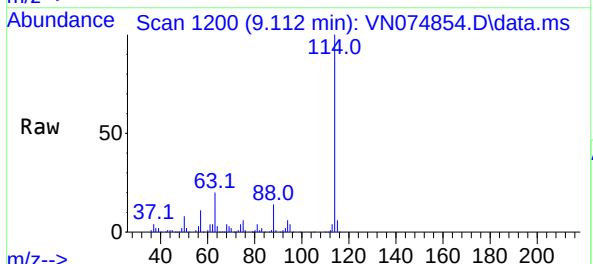
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

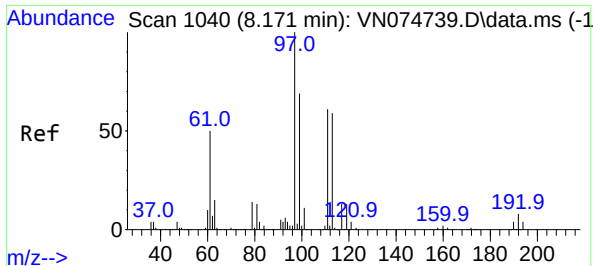
Tgt Ion: 65 Resp: 308752
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1200
Delta R.T. 0.006 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Tgt Ion: 114 Resp: 851692
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.2
88 13.6 0.0 30.2

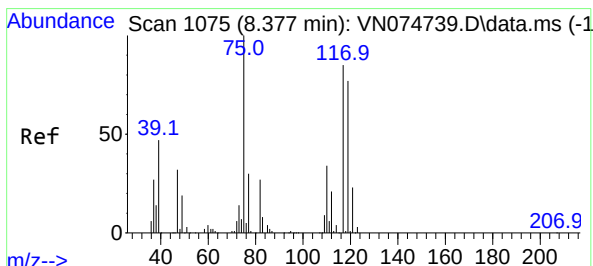
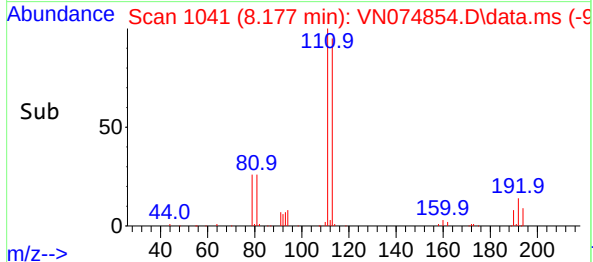
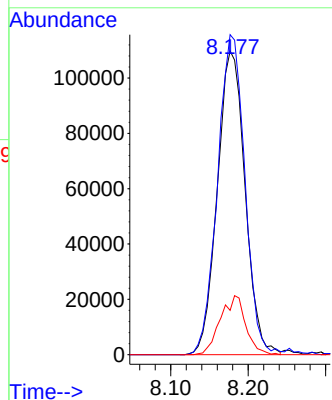
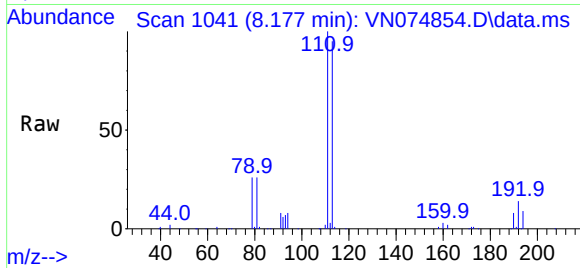




#35
Dibromofluoromethane
Concen: 31.747 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

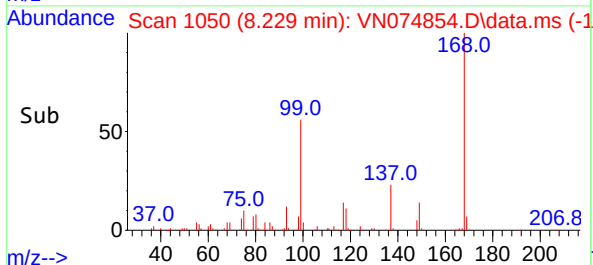
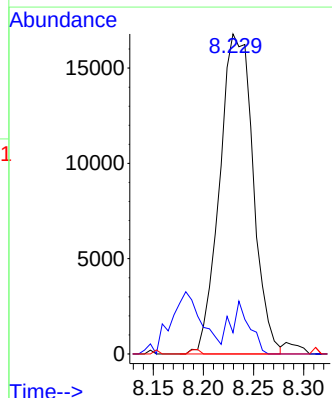
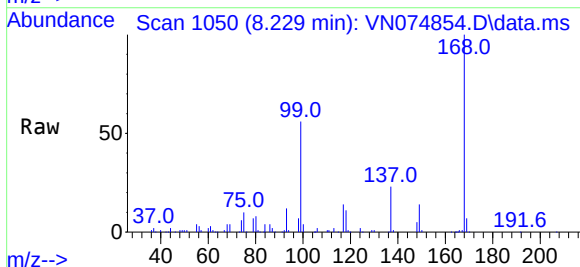
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

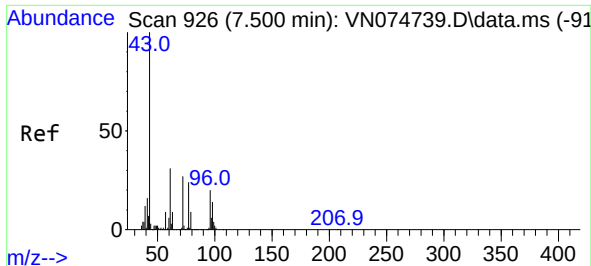
Tgt Ion:113 Resp: 273186
Ion Ratio Lower Upper
113 100
111 104.0 83.0 124.6
192 17.8 12.6 18.8



#36
1,1-Dichloropropene
Concen: 2.792 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Tgt Ion: 75 Resp: 38893
Ion Ratio Lower Upper
75 100
110 9.3 17.2 51.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.247 ug/l

RT: 7.518 min Scan# 91

Delta R.T. 0.017 min

Lab File: VN074854.D

Acq: 11 Oct 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

PB148255ZHE#03

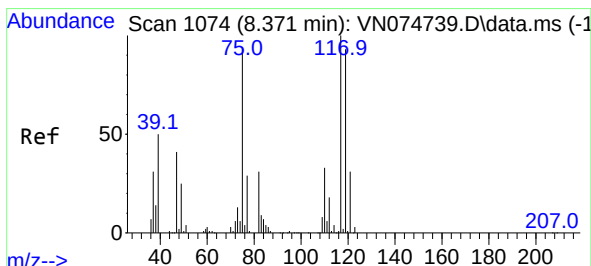
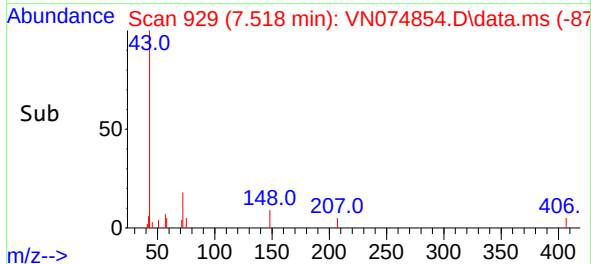
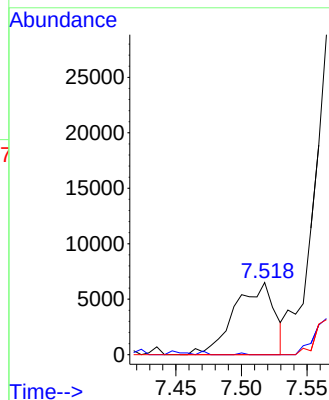
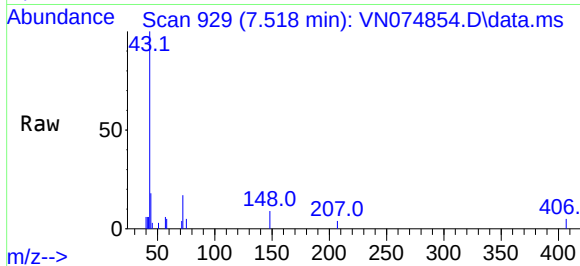
Tgt Ion: 43 Resp: 13780

Ion Ratio Lower Upper

43 100

61 0.0 4.3 6.5#

70 0.0 3.0 4.4#



#38

Carbon Tetrachloride

Concen: 3.887 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN074854.D

Acq: 11 Oct 2022 18:14

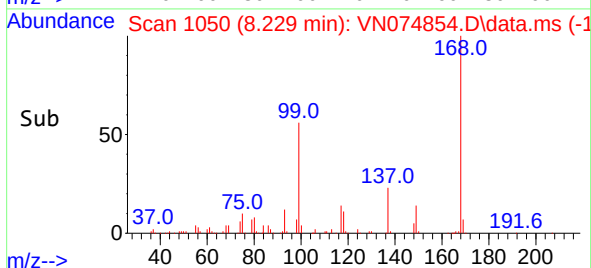
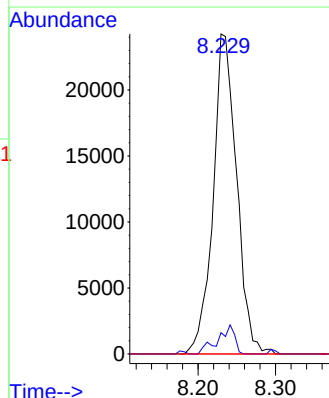
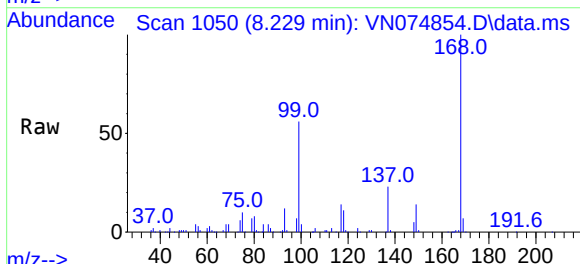
Tgt Ion: 117 Resp: 51059

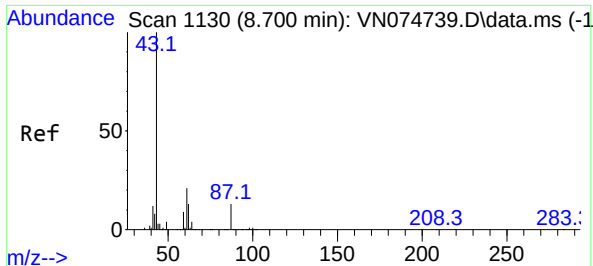
Ion Ratio Lower Upper

117 100

119 6.7 74.3 111.5#

121 0.0 25.0 37.4#

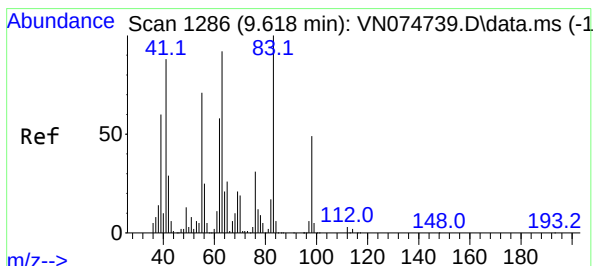
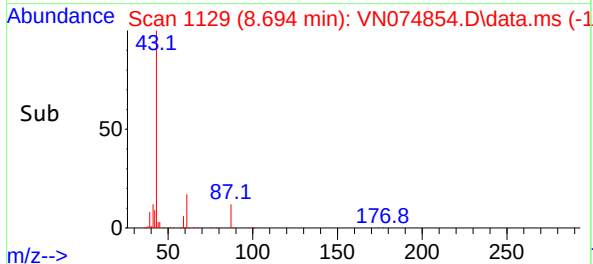
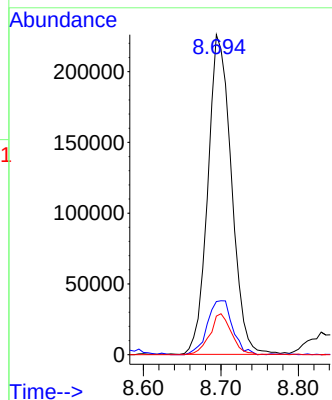
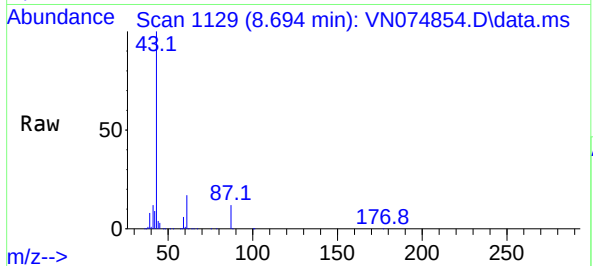




#43
Isopropyl Acetate
Concen: 13.819 ug/l
RT: 8.694 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

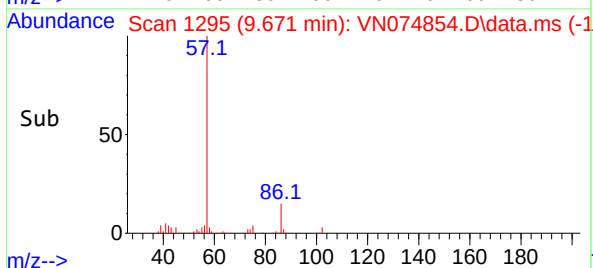
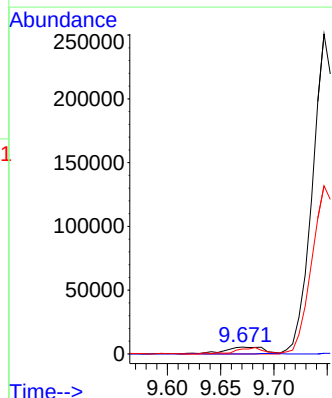
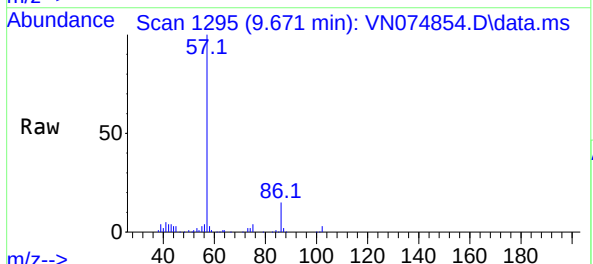
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

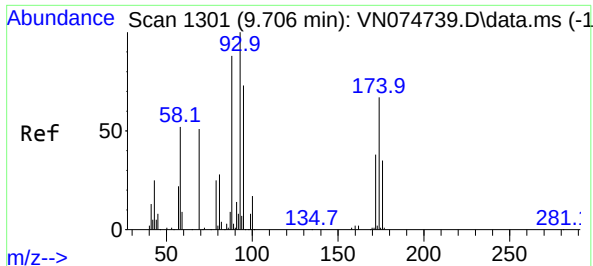
Tgt Ion: 43 Resp: 477081
Ion Ratio Lower Upper
43 100
61 18.0 19.4 29.0#
87 11.7 10.1 15.1



#48
Methyl methacrylate
Concen: 1.033 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. 0.053 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Tgt Ion: 41 Resp: 14647
Ion Ratio Lower Upper
41 100
69 0.0 0.0 0.0
39 0.0 54.4 81.6#

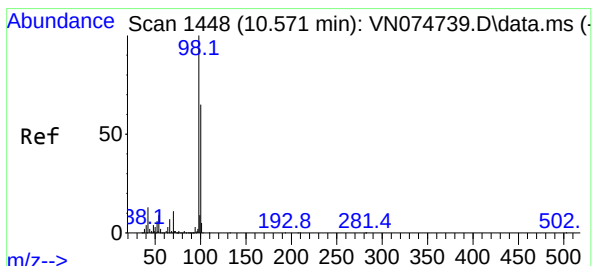
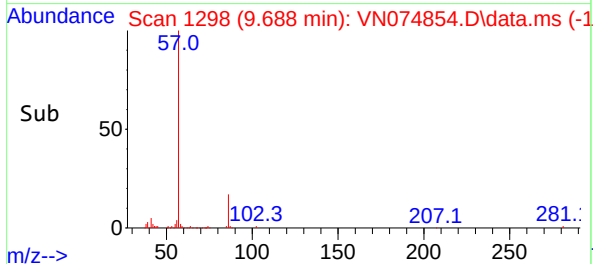
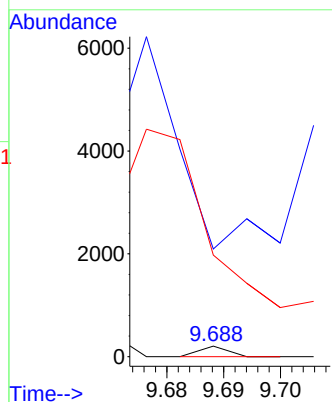
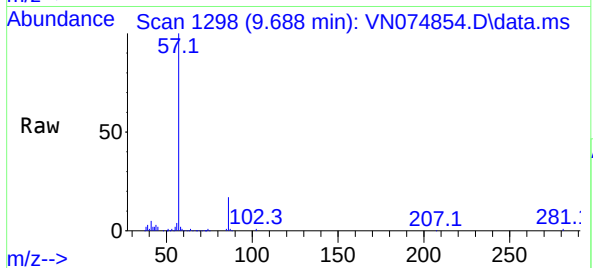




#49
1,4-Dioxane
Concen: 0.234 ug/l
RT: 9.688 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

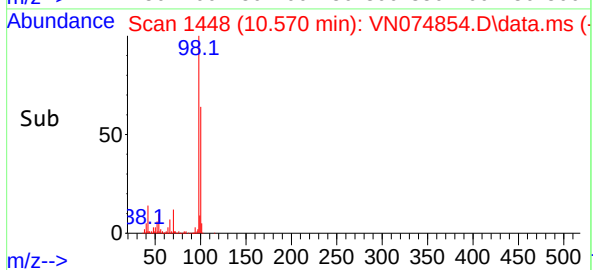
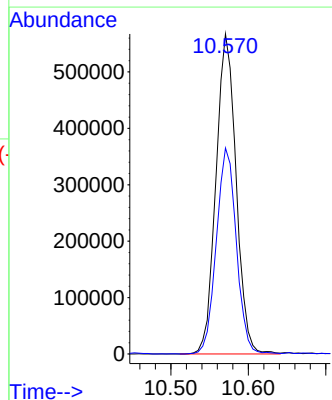
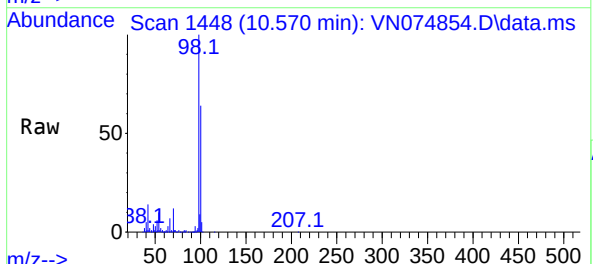
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

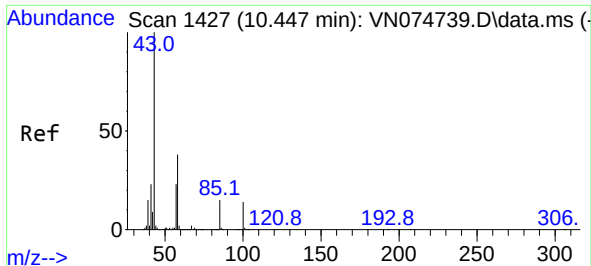
Tgt Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 54.9 82.3#



#50
Toluene-d8
Concen: 27.803 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Tgt Ion: 98 Resp: 1026593
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 1.687 ug/l

RT: 10.453 min Scan# 1412

Delta R.T. 0.006 min

Lab File: VN074854.D

Acq: 11 Oct 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

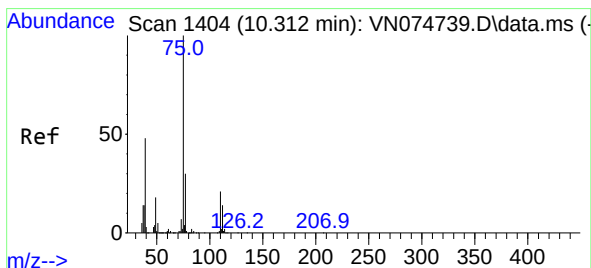
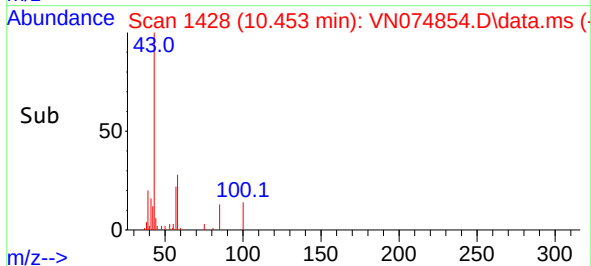
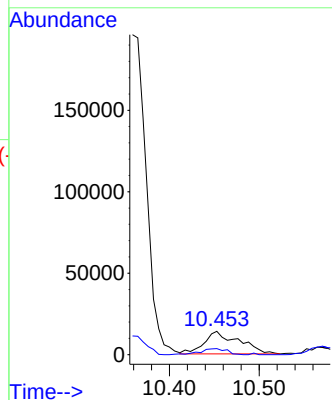
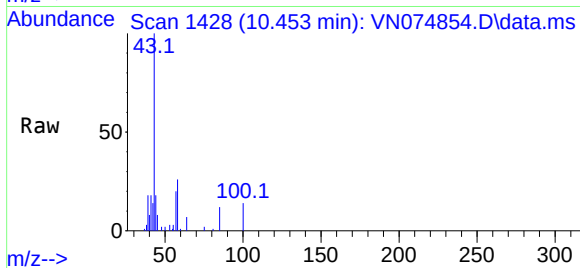
PB148255ZHE#03

Tgt Ion: 43 Resp: 37505

Ion Ratio Lower Upper

43 100

58 20.7 30.6 45.8#



#54

cis-1,3-Dichloropropene

Concen: 8.454 ug/l

RT: 10.359 min Scan# 1412

Delta R.T. 0.047 min

Lab File: VN074854.D

Acq: 11 Oct 2022 18:14

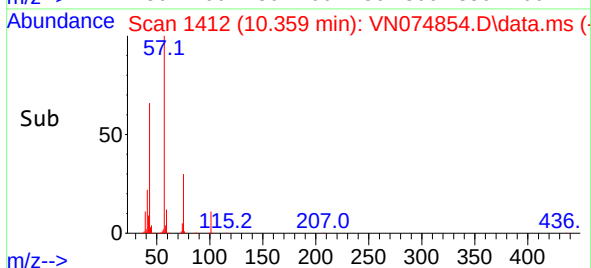
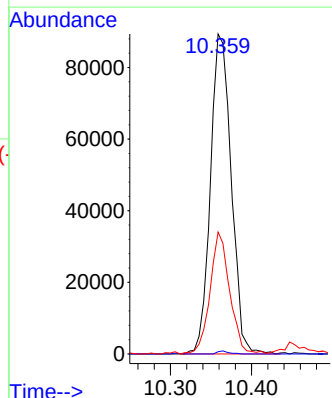
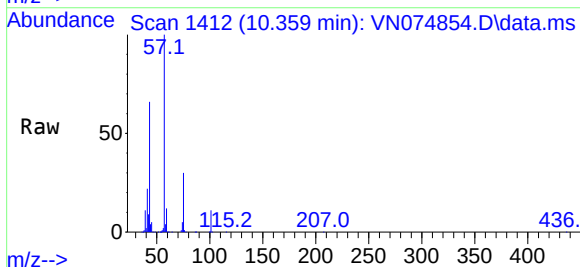
Tgt Ion: 75 Resp: 159185

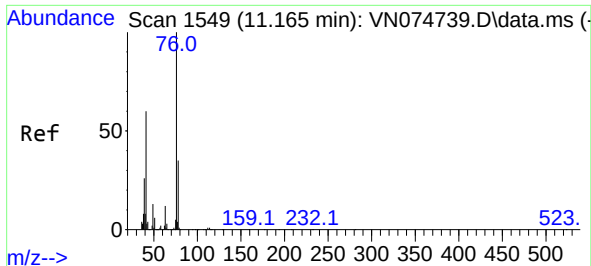
Ion Ratio Lower Upper

75 100

77 0.7 24.4 36.6#

39 38.1 38.6 57.8#





#57

1,3-Dichloropropane

Concen: 1.101 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN074854.D

Acq: 11 Oct 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

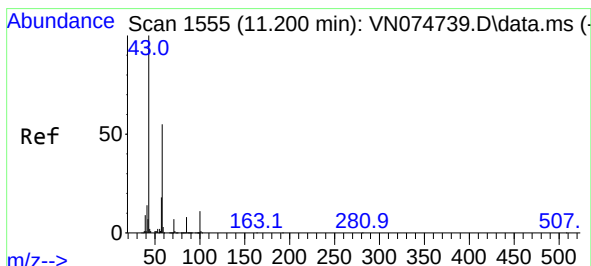
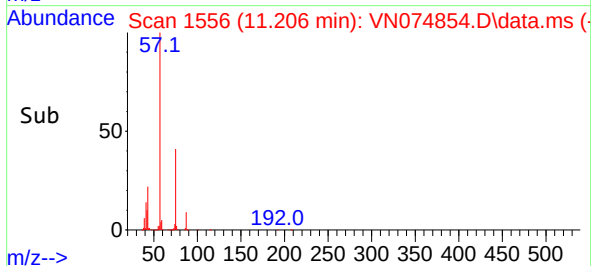
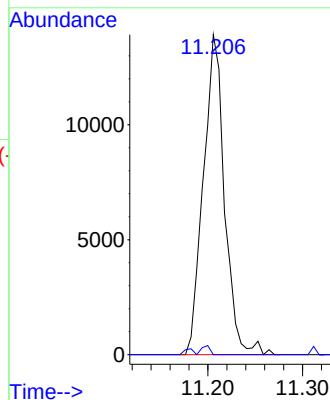
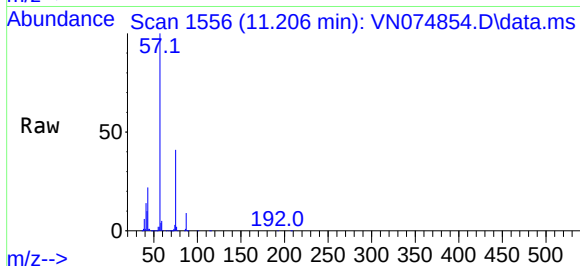
PB148255ZHE#03

Tgt Ion: 76 Resp: 21620

Ion Ratio Lower Upper

76 100

78 1.1 26.2 39.2#



#59

2-Hexanone

Concen: 24.730 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.024 min

Lab File: VN074854.D

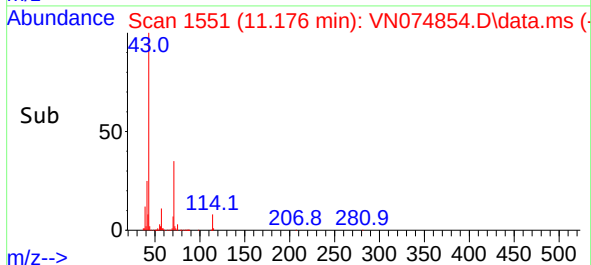
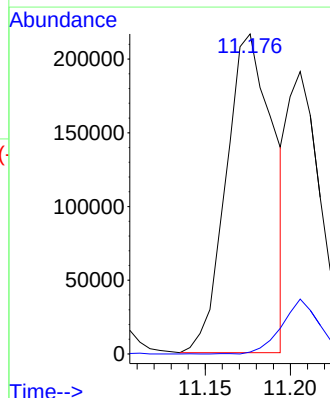
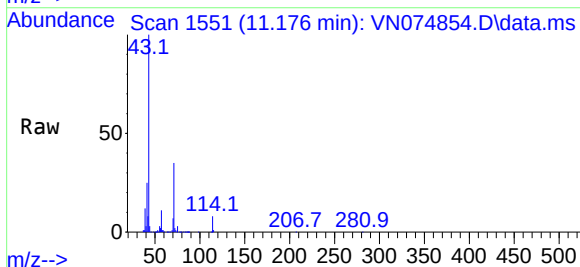
Acq: 11 Oct 2022 18:14

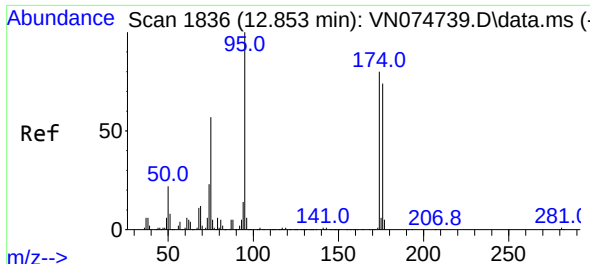
Tgt Ion: 43 Resp: 415874

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.9#

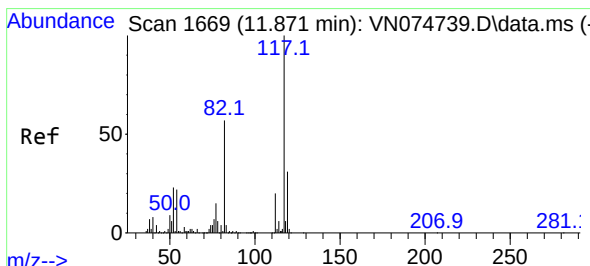
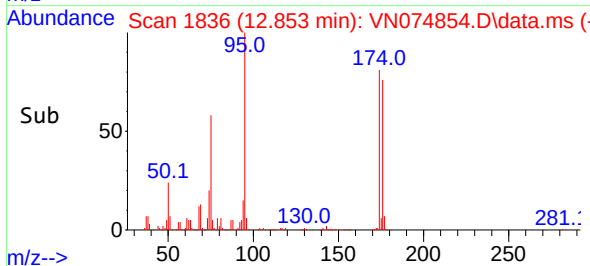
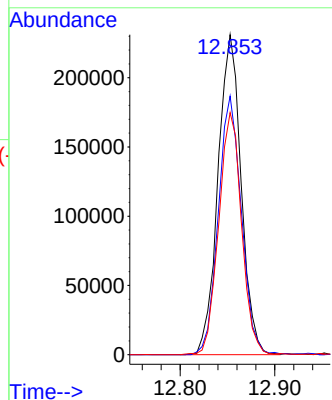
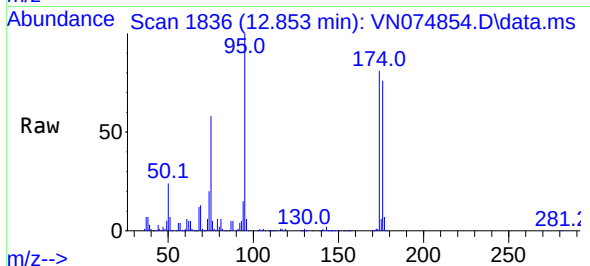




#62
4-Bromofluorobenzene
Concen: 34.942 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

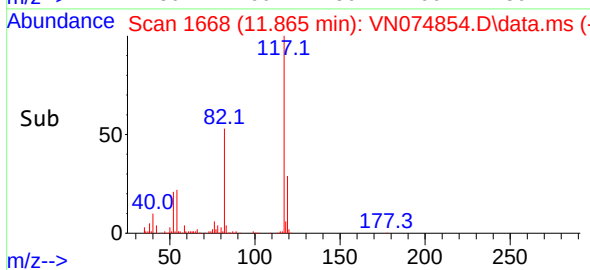
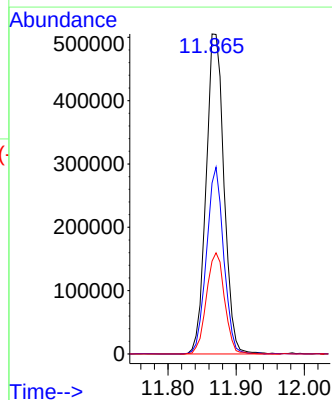
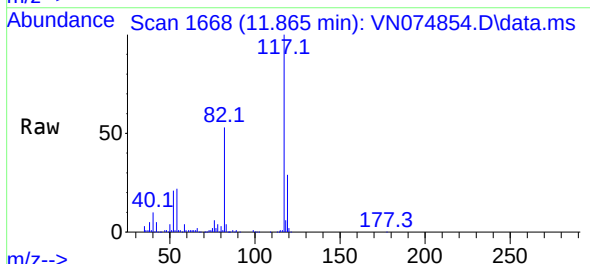
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

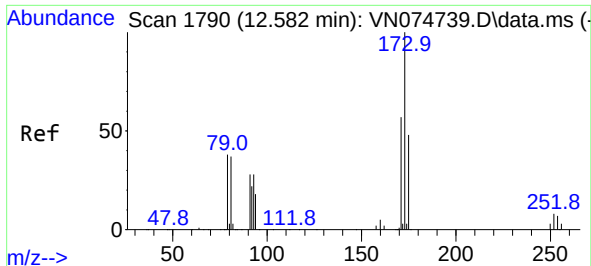
Tgt Ion: 95 Resp: 392191
Ion Ratio Lower Upper
95 100
174 80.7 0.0 149.4
176 74.8 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Tgt Ion: 117 Resp: 925064
Ion Ratio Lower Upper
117 100
82 53.4 45.4 68.2
119 29.0 25.1 37.7

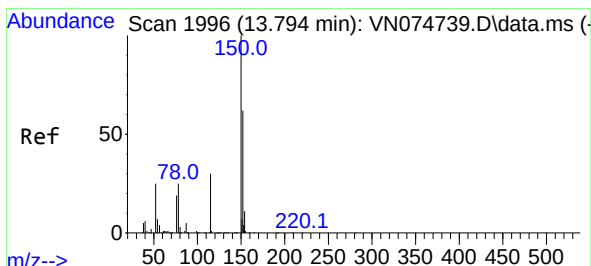
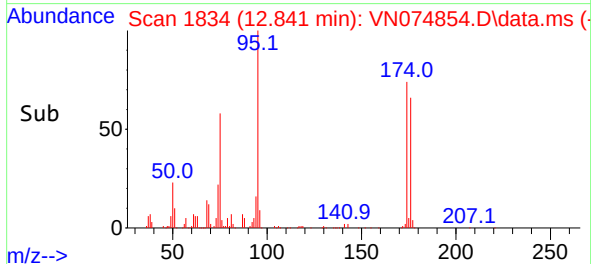
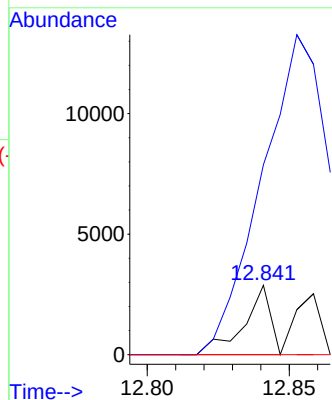
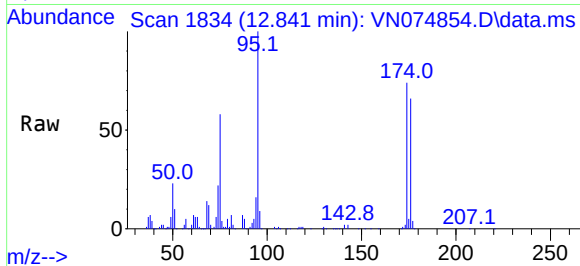




#71
Bromoform
Concen: 0.240 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.259 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

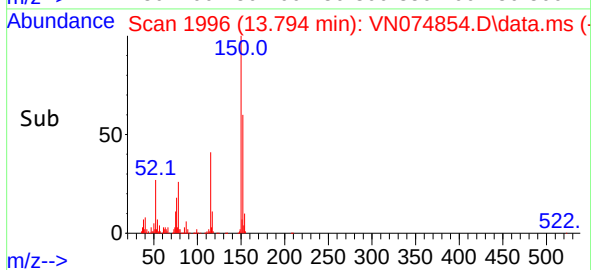
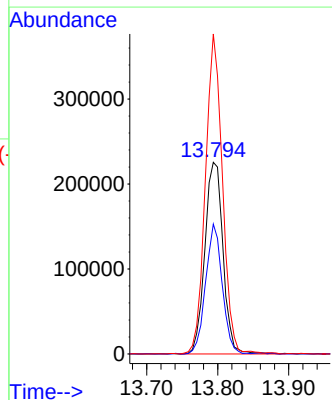
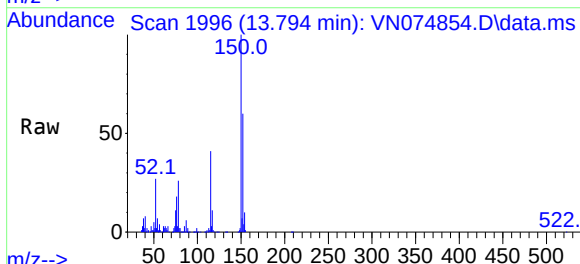
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

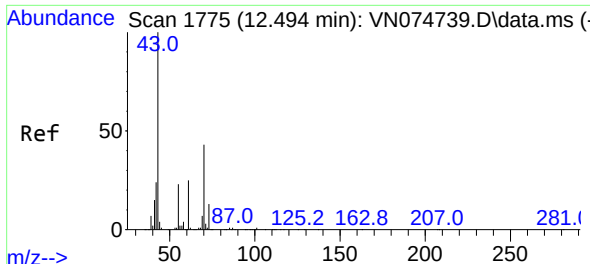
Tgt Ion:173 Resp: 1893
Ion Ratio Lower Upper
173 100
175 947.3 23.9 71.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Tgt Ion:152 Resp: 402112
Ion Ratio Lower Upper
152 100
115 61.9 30.0 90.0
150 156.0 0.0 356.4

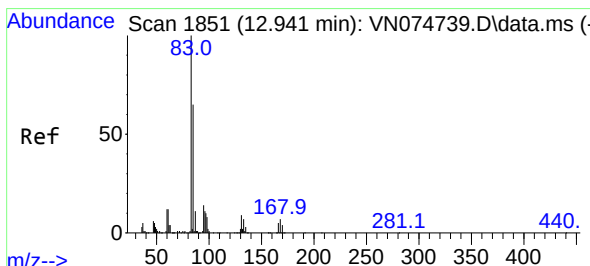
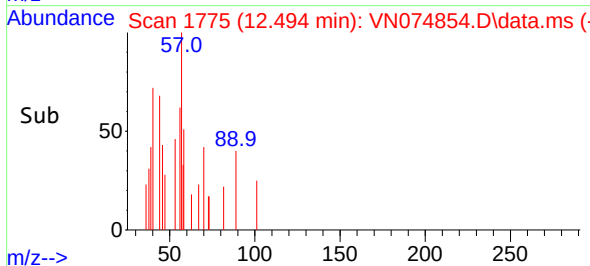
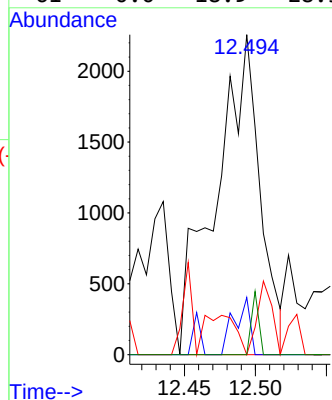
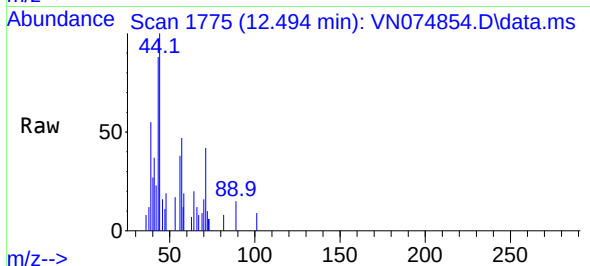




#74
N-amy1 acetate
Concen: 0.210 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

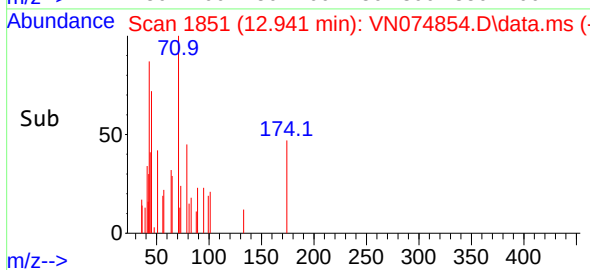
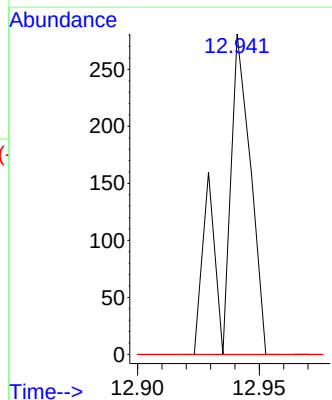
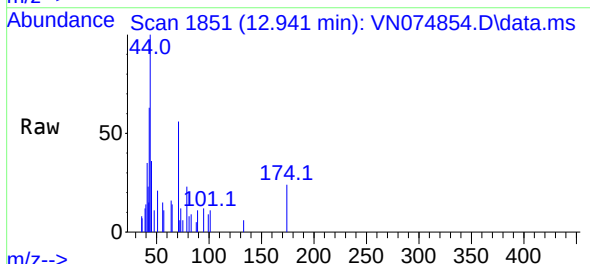
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

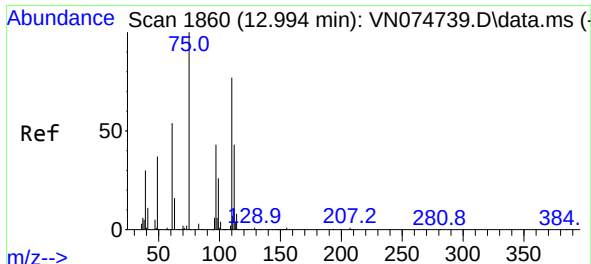
Tgt Ion: 43	Resp:	4907
Ion	Ratio	Lower Upper
43	100	
70	6.4	32.9 49.3#
55	7.6	17.8 26.6#
61	0.0	18.9 28.3#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.941 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Tgt Ion: 83	Resp:	211
Ion	Ratio	Lower Upper
83	100	
131	0.0	4.3 12.8#
85	0.0	32.9 98.6#

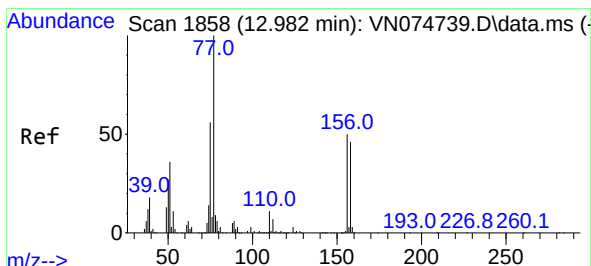
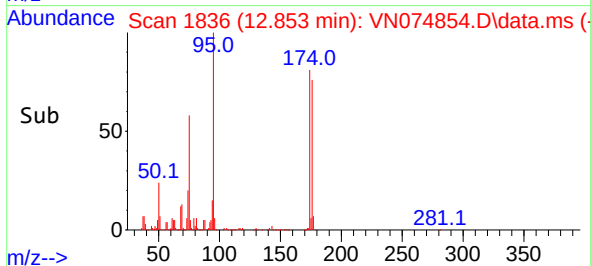
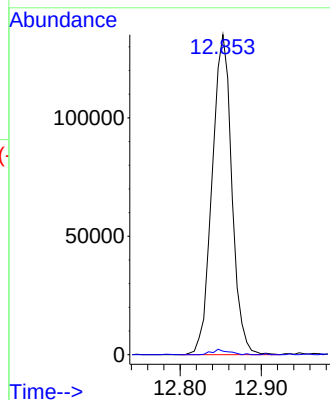
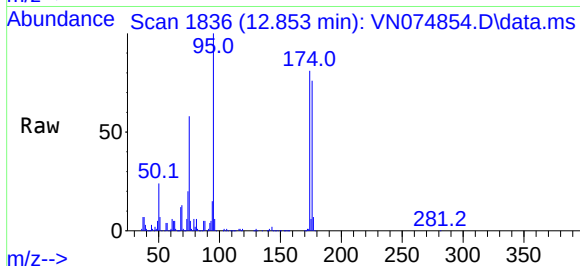




#76
1,2,3-Trichloropropane
Concen: 19.000 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

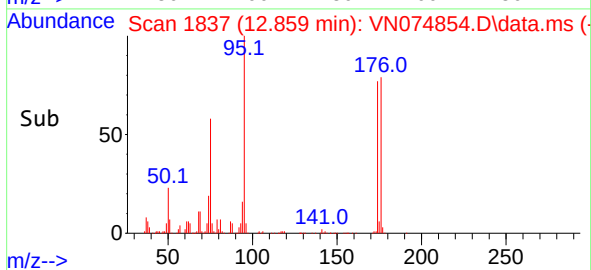
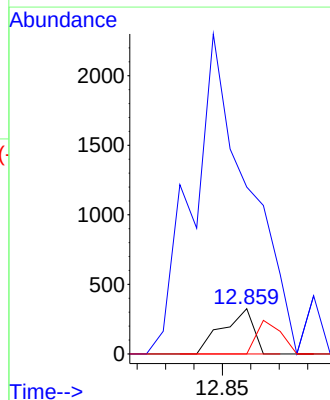
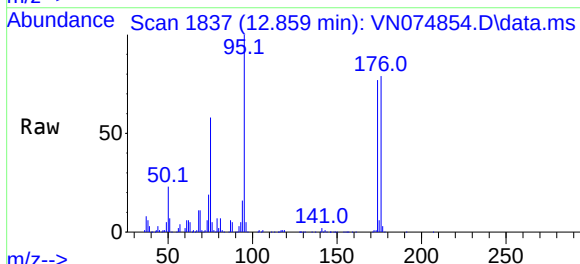
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

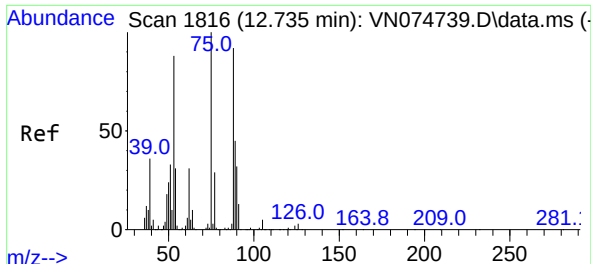
Tgt Ion: 75 Resp: 228039
Ion Ratio Lower Upper
75 100
77 1.4 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.859 min Scan# 1837
Delta R.T. -0.123 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Tgt Ion:156 Resp: 245
Ion Ratio Lower Upper
156 100
77 1341.6 124.7 374.1#
158 58.0 48.3 144.9

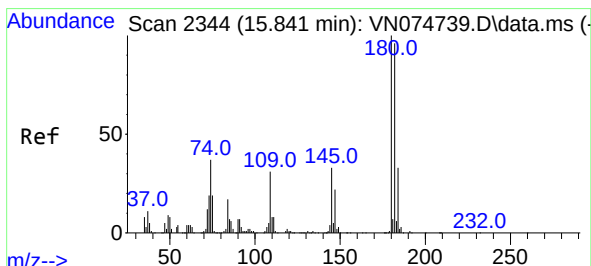
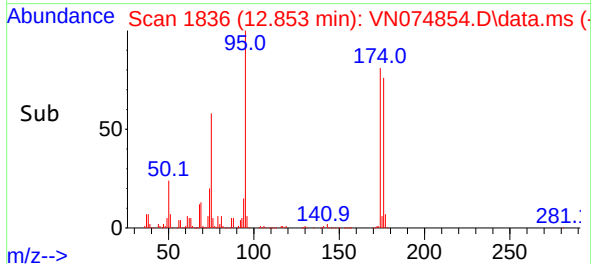
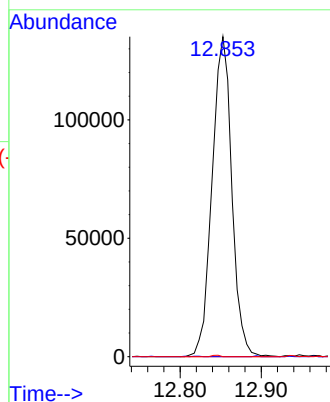
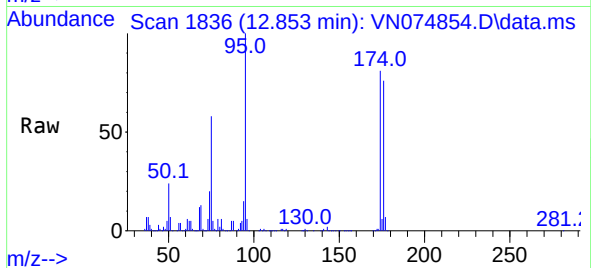




#81
trans-1,4-Dichloro-2-butene
Concen: 37.019 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#03

Tgt Ion: 75 Resp: 228039
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.0#
89 0.2 32.1 48.1#



#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN074854.D
Acq: 11 Oct 2022 18:14

Tgt Ion:180 Resp: 1298
Ion Ratio Lower Upper
180 100
182 14.2 47.3 142.0#
145 0.0 17.1 51.2#

