

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101122\
 Data File : VN074864.D
 Acq On : 11 Oct 2022 22:15
 Operator : JC\MD
 Sample : PB148255ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#13

Quant Time: Oct 12 04:00:55 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

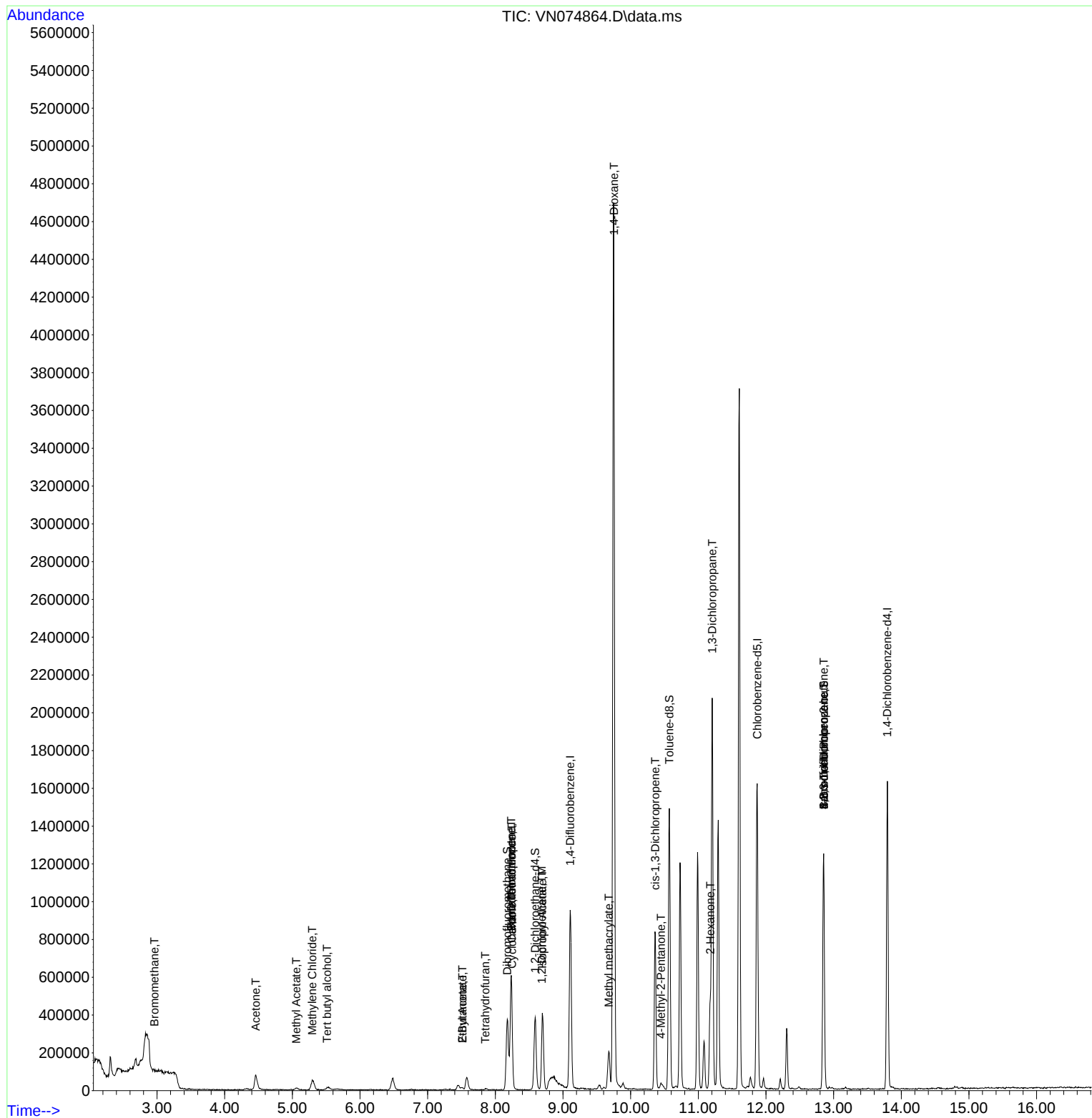
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	423462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	821772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	899938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	403461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	293735	29.275	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	58.560%#
35) Dibromofluoromethane	8.177	113	266806	32.134	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	64.260%#
50) Toluene-d8	10.571	98	1007920	28.291	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	56.580%#
62) 4-Bromofluorobenzene	12.853	95	393334	36.319	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	72.640%#
Target Compounds						
					Qvalue	
5) Bromomethane	2.959	94	2476	0.220	ug/l	98
11) Tert butyl alcohol	5.512	59	5734	1.706	ug/l #	77
13) Acrolein	4.195	56	216	Below Cal	#	1
16) Acetone	4.459	43	141882	24.953	ug/l	95
18) Methyl Acetate	5.059	43	12539	0.596	ug/l #	60
20) Methylene Chloride	5.294	84	38119	2.086	ug/l	85
25) 2-Butanone	7.512	43	19718	1.911	ug/l #	73
29) Tetrahydrofuran	7.853	42	2157	0.300	ug/l #	64
31) Cyclohexane	8.247	56	13746	0.793	ug/l #	20
36) 1,1-Dichloropropene	8.235	75	38990	2.901	ug/l #	52
37) Ethyl Acetate	7.512	43	19718	0.366	ug/l #	86
38) Carbon Tetrachloride	8.241	117	45089	3.558	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	3464	0.254	ug/l	80
43) Isopropyl Acetate	8.694	43	469501	14.094	ug/l #	91
48) Methyl methacrylate	9.677	41	13677	1.000	ug/l #	86
49) 1,4-Dioxane	9.753	88	1191	4.018	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	40835	1.904	ug/l #	72
54) cis-1,3-Dichloropropene	10.365	75	148782	8.190	ug/l #	68
57) 1,3-Dichloropropane	11.206	76	21850	1.154	ug/l #	44
59) 2-Hexanone	11.176	43	366510	22.588	ug/l #	24
71) Bromoform	12.853	173	4261	0.555	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	180	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	222629	18.487	ug/l #	1
77) Bromobenzene	12.853	156	413	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	222629	36.020	ug/l #	15
96) 1,2,3-Trichlorobenzene	15.858	180	206	Below Cal	#	12

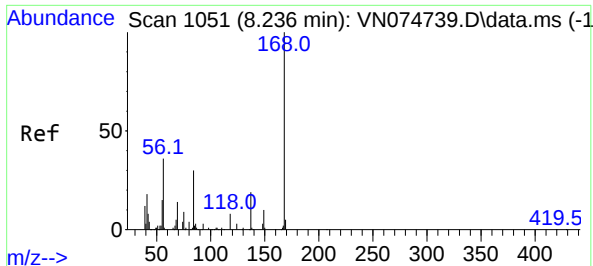
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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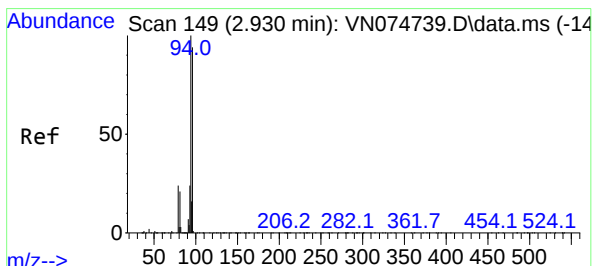
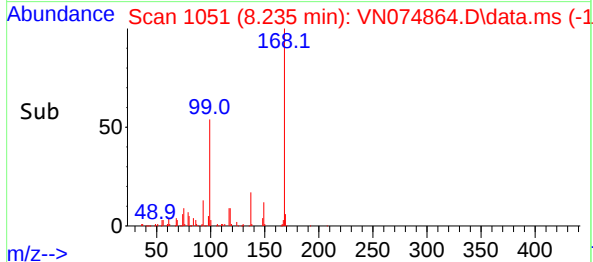
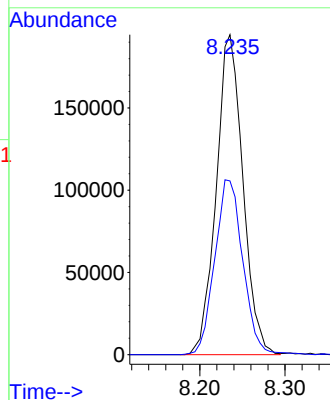
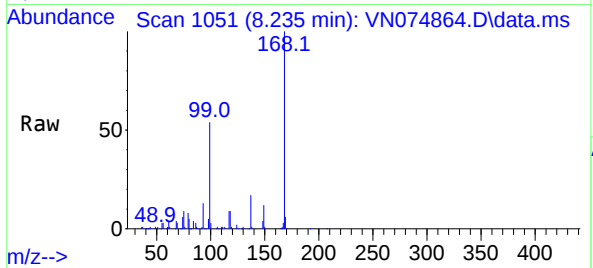




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.001 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

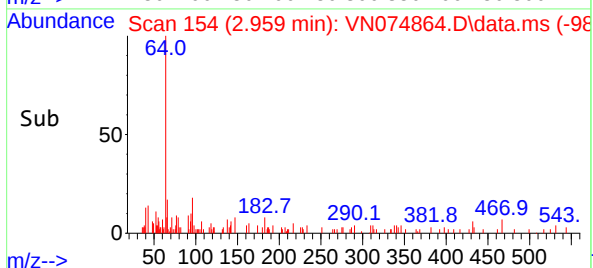
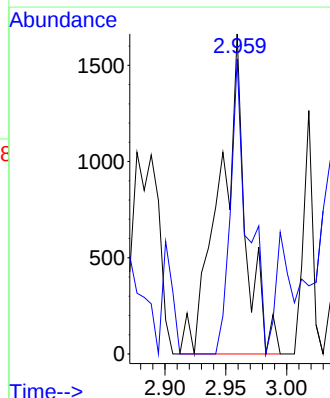
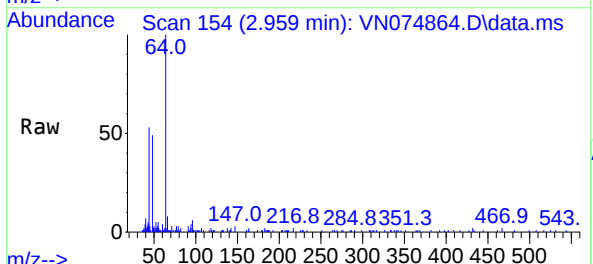
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#13

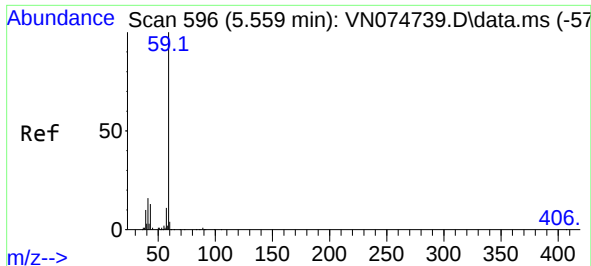
Tgt Ion:168 Resp: 423462
Ion Ratio Lower Upper
168 100
99 54.3 42.8 64.2



#5
Bromomethane
Concen: 0.220 ug/l
RT: 2.959 min Scan# 154
Delta R.T. 0.029 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

Tgt Ion: 94 Resp: 2476
Ion Ratio Lower Upper
94 100
96 92.2 75.0 112.6





#11

Tert butyl alcohol

Concen: 1.706 ug/l

RT: 5.512 min Scan# 51

Delta R.T. -0.047 min

Lab File: VN074864.D

Acq: 11 Oct 2022 22:15

Instrument :

MSVOA_N

ClientSampleId :

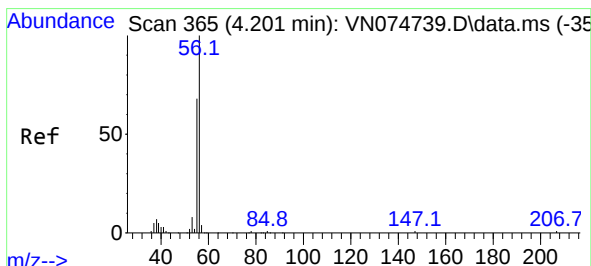
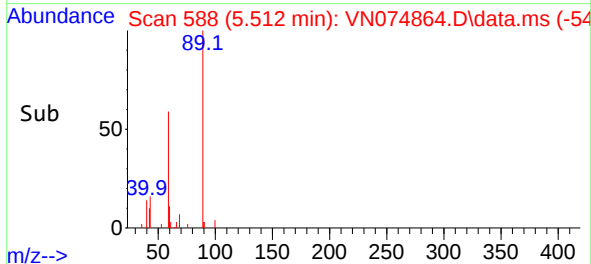
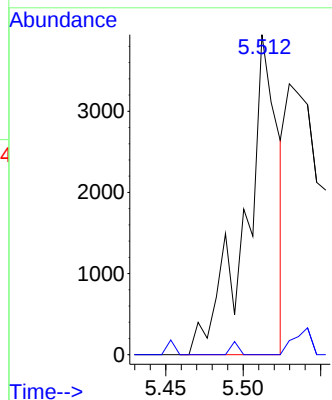
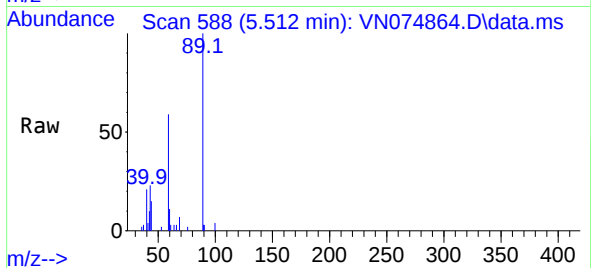
PB148255ZHE#13

Tgt Ion: 59 Resp: 5734

Ion Ratio Lower Upper

59 100

57 1.0 7.7 11.5#



#13

Acrolein

Concen: Below Cal

RT: 4.195 min Scan# 364

Delta R.T. -0.006 min

Lab File: VN074864.D

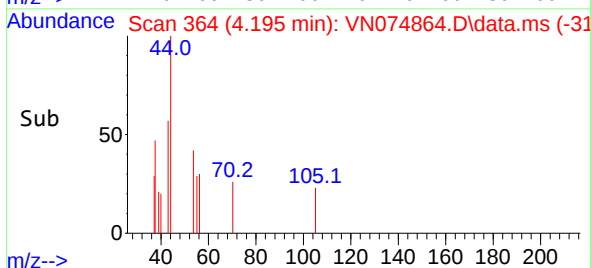
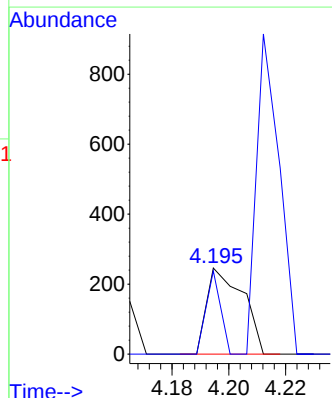
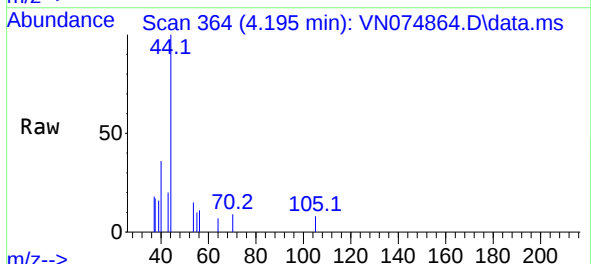
Acq: 11 Oct 2022 22:15

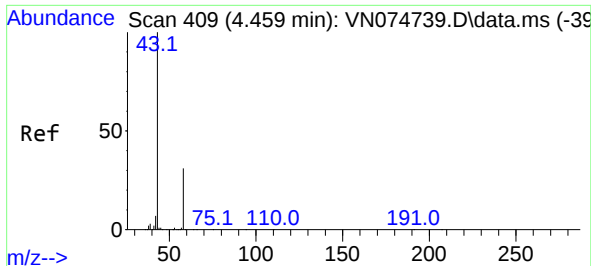
Tgt Ion: 56 Resp: 216

Ion Ratio Lower Upper

56 100

55 275.5 54.9 82.3#

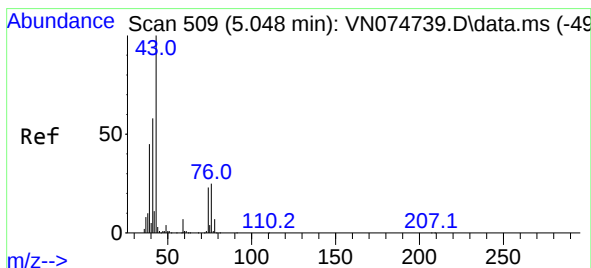
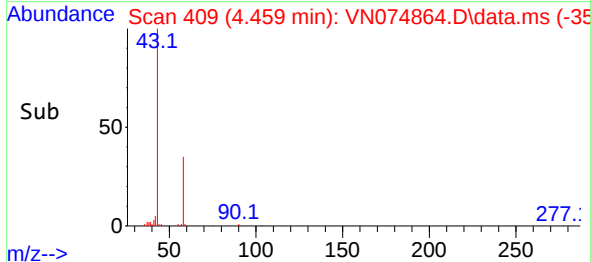
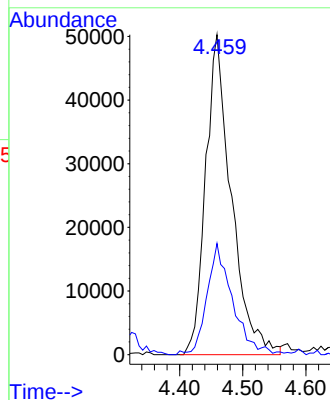
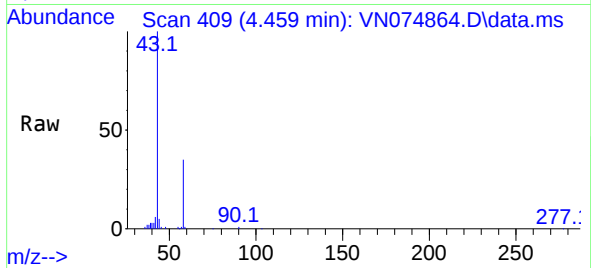




#16
Acetone
Concen: 24.953 ug/l
RT: 4.459 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

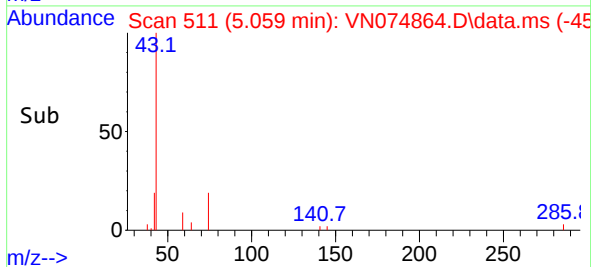
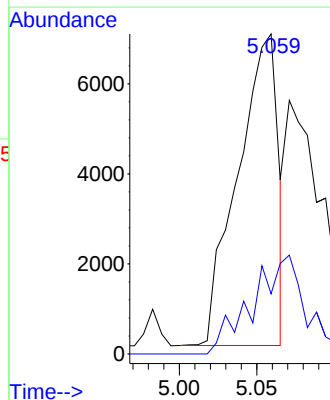
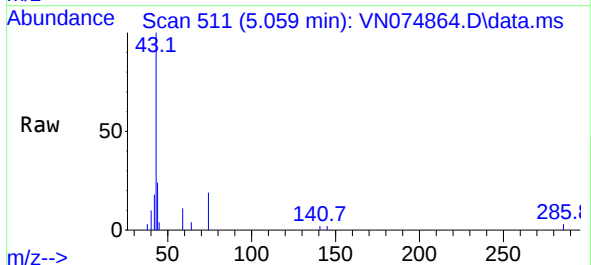
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#13

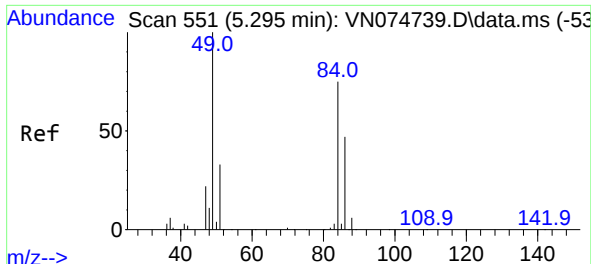
Tgt Ion: 43 Resp: 141882
Ion Ratio Lower Upper
43 100
58 33.9 24.9 37.3



#18
Methyl Acetate
Concen: 0.596 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

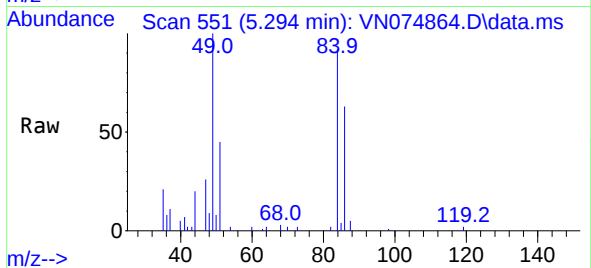
Tgt Ion: 43 Resp: 12539
Ion Ratio Lower Upper
43 100
74 42.7 18.5 27.7#





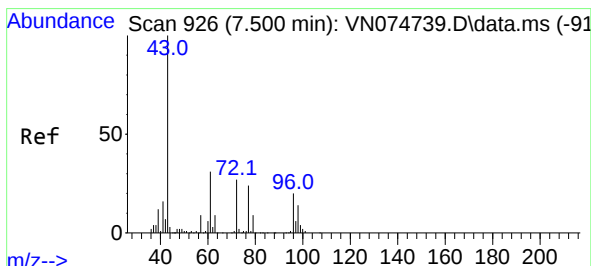
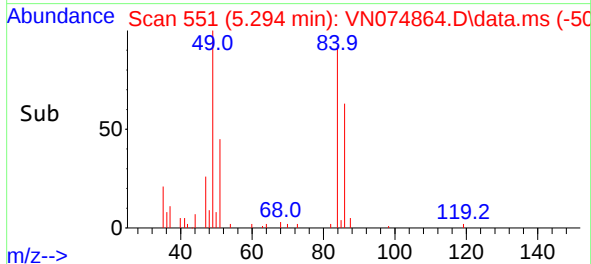
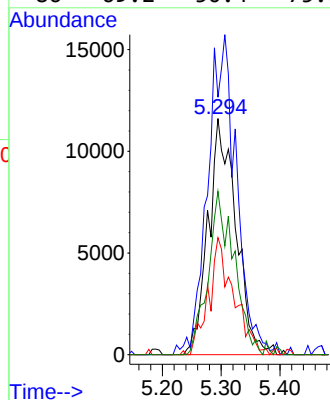
#20
Methylene Chloride
Concen: 2.086 ug/l
RT: 5.294 min Scan# 511
Delta R.T. -0.001 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#13



Tgt Ion: 84 Resp: 38119

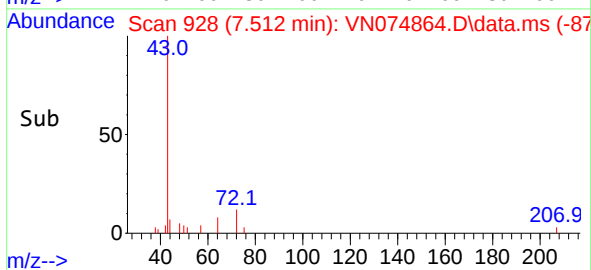
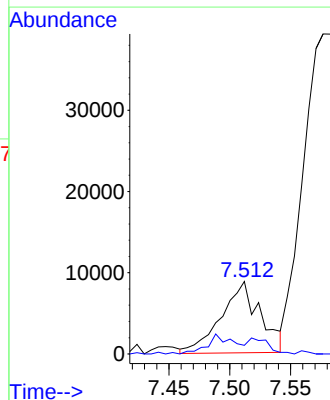
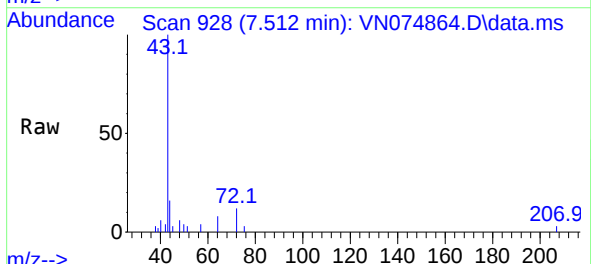
Ion	Ratio	Lower	Upper
84	100		
49	109.0	107.4	161.0
51	49.5	35.1	52.7
86	69.2	50.4	75.6

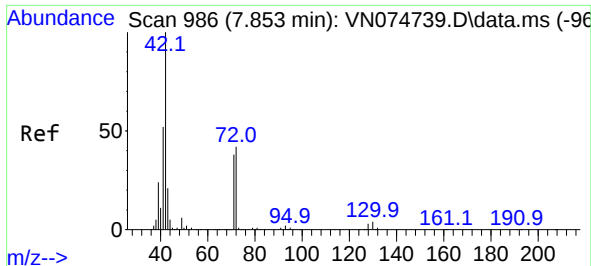


#25
2-Butanone
Concen: 1.911 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.012 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

Tgt Ion: 43 Resp: 19718

Ion	Ratio	Lower	Upper
43	100		
72	12.7	21.4	32.0#

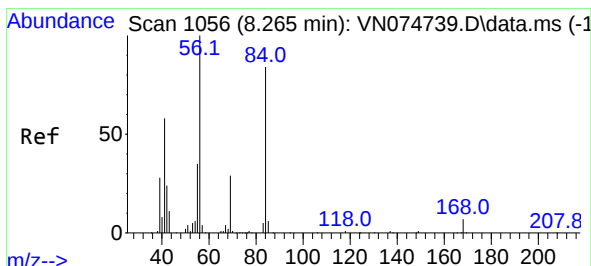
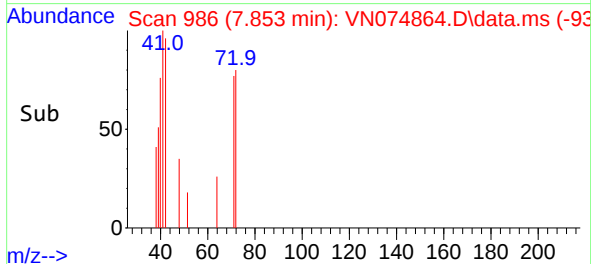
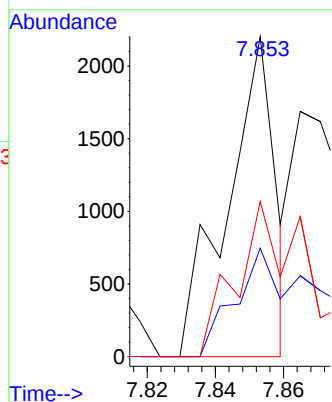
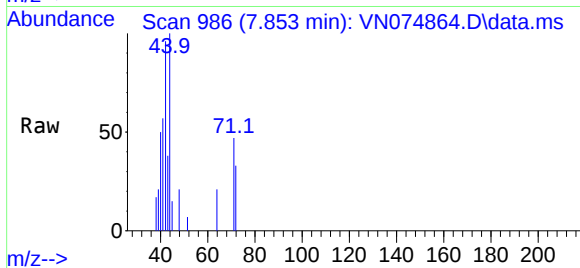




#29
Tetrahydrofuran
Concen: 0.300 ug/l
RT: 7.853 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

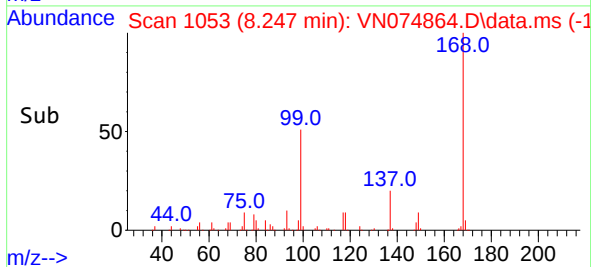
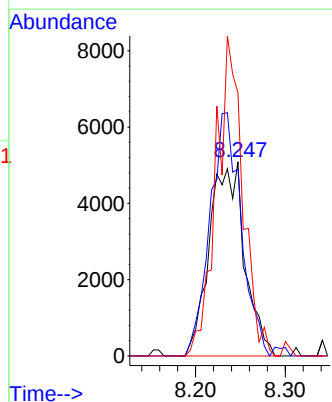
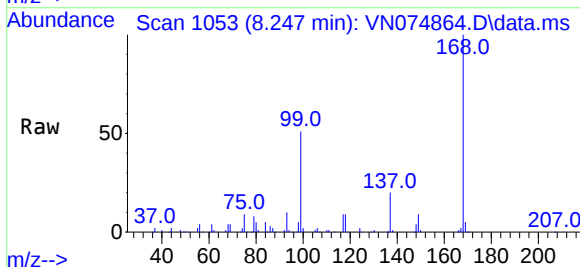
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MSVOA_N
ClientSampleId :
PB148255ZHE#13

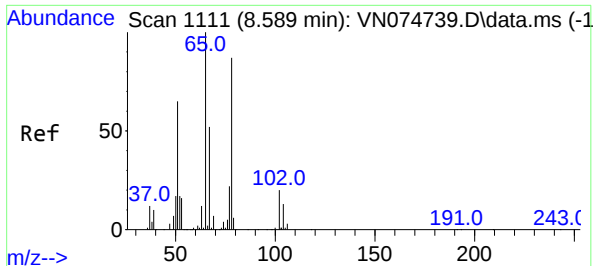
Tgt Ion:	42	Resp:	2157
Ion	Ratio	Lower	Upper
42	100		
72	53.1	33.0	49.6#
71	71.3	30.4	45.6#



#31
Cyclohexane
Concen: 0.793 ug/l
RT: 8.247 min Scan# 1053
Delta R.T. -0.018 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

Tgt Ion:	56	Resp:	13746
Ion	Ratio	Lower	Upper
56	100		
69	96.2	23.1	34.7#
84	141.7	67.1	100.7#

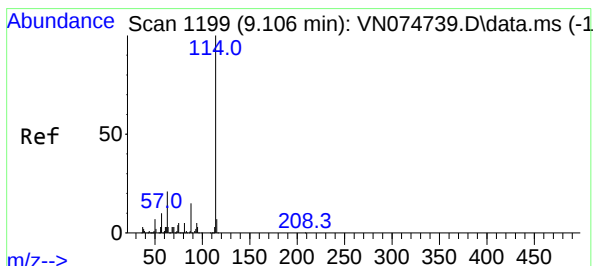
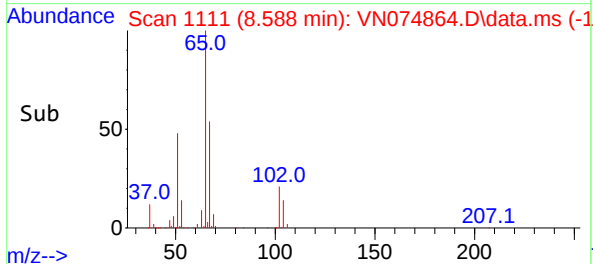
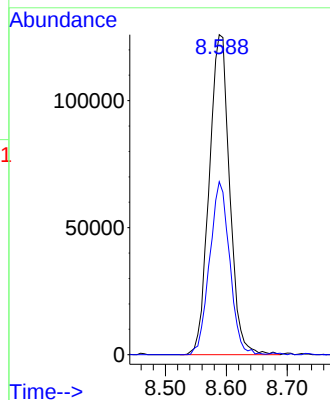
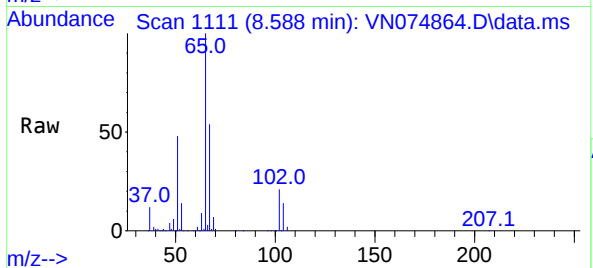




#33
1,2-Dichloroethane-d4
Concen: 29.275 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

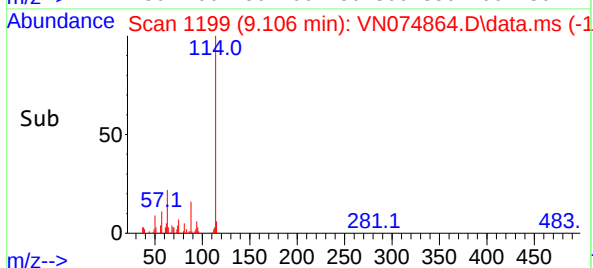
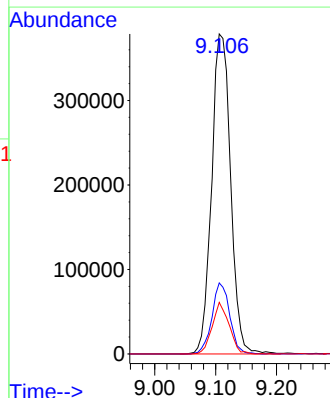
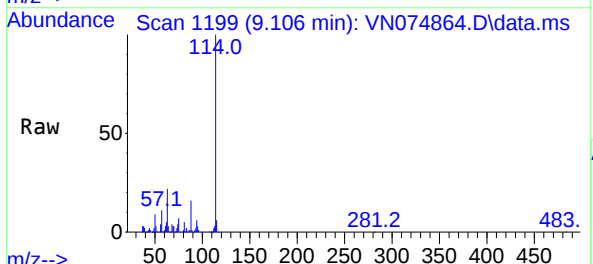
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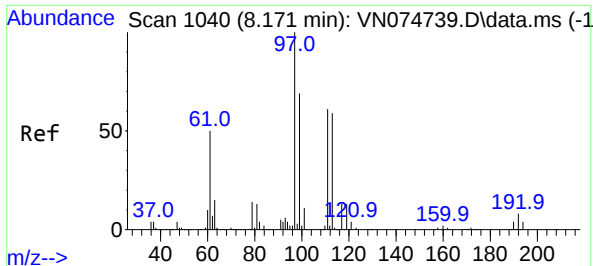
Tgt Ion: 65 Resp: 293735
Ion Ratio Lower Upper
65 100
67 53.0 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

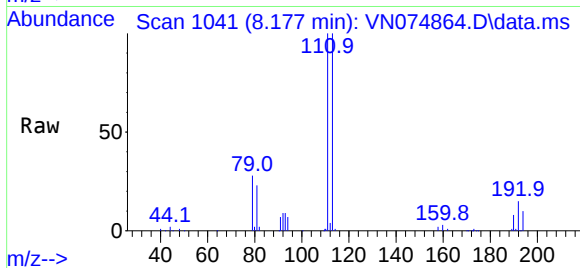
Tgt Ion:114 Resp: 821772
Ion Ratio Lower Upper
114 100
63 22.2 0.0 41.2
88 16.1 0.0 30.2



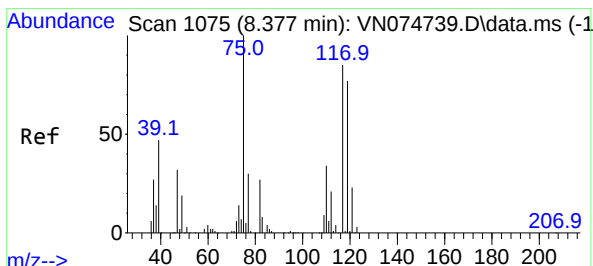
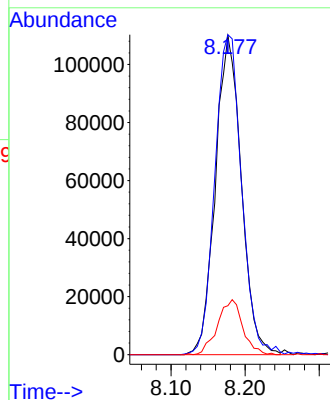
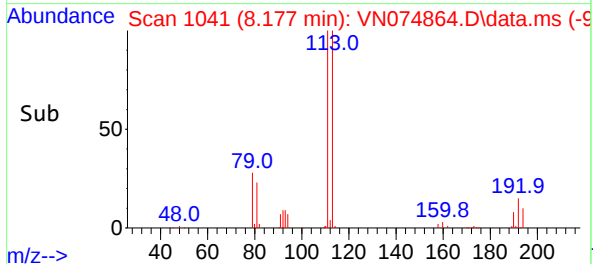


#35
Dibromofluoromethane
Concen: 32.134 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

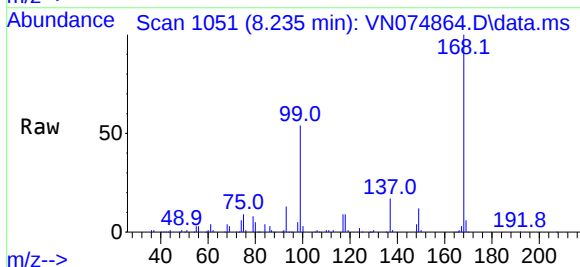
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MSVOA_N
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PB148255ZHE#13



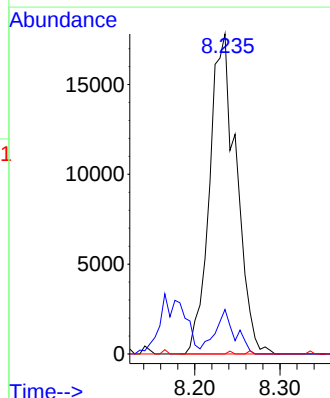
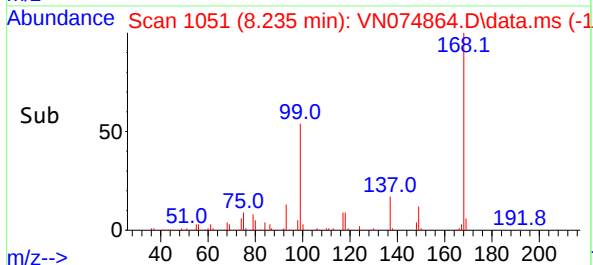
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Ion Ratio Lower Upper
113 100
111 103.3 83.0 124.6
192 16.8 12.6 18.8

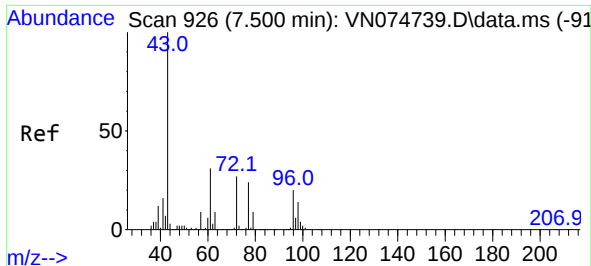


#36
1,1-Dichloropropene
Concen: 2.901 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15



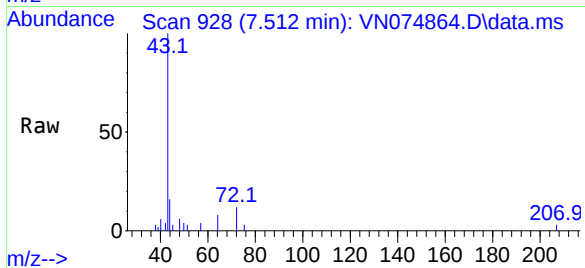
Tgt Ion: 75 Resp: 38990
Ion Ratio Lower Upper
75 100
110 10.4 17.2 51.5#
77 0.1 24.3 36.5#



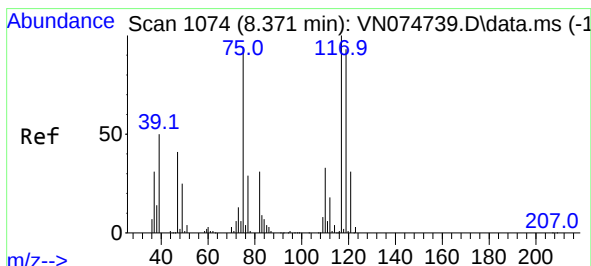
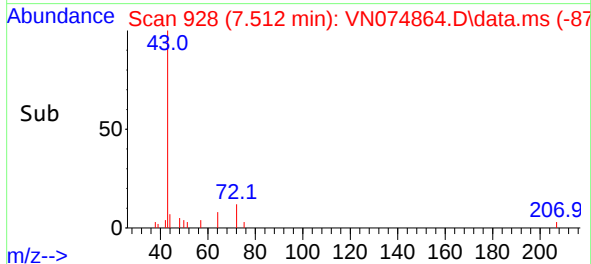
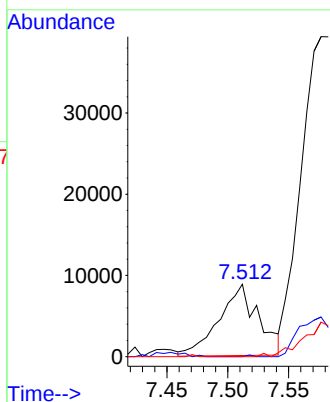


#37
Ethyl Acetate
Concen: 0.366 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#13

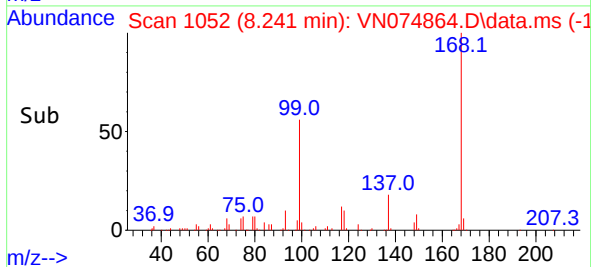
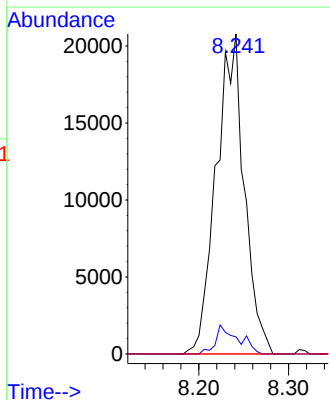
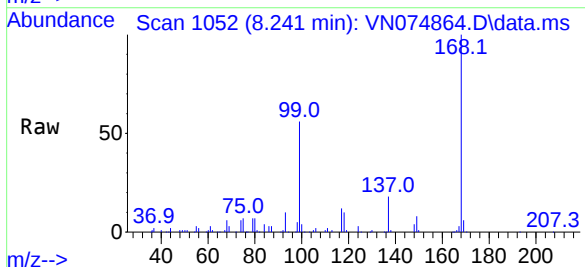


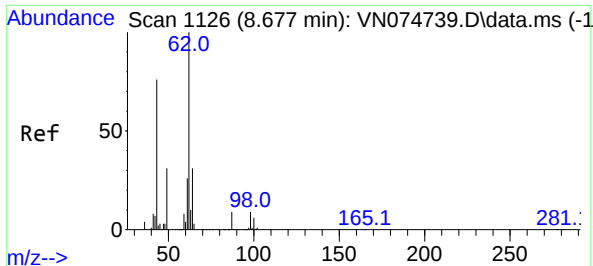
Tgt Ion: 43 Resp: 19718
Ion Ratio Lower Upper
43 100
61 0.0 4.3 6.5#
70 0.0 3.0 4.4#



#38
Carbon Tetrachloride
Concen: 3.558 ug/l
RT: 8.241 min Scan# 1052
Delta R.T. -0.130 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

Tgt Ion: 117 Resp: 45089
Ion Ratio Lower Upper
117 100
119 5.3 74.3 111.5#
121 0.0 25.0 37.4#

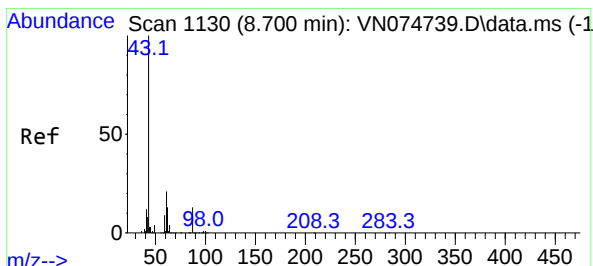
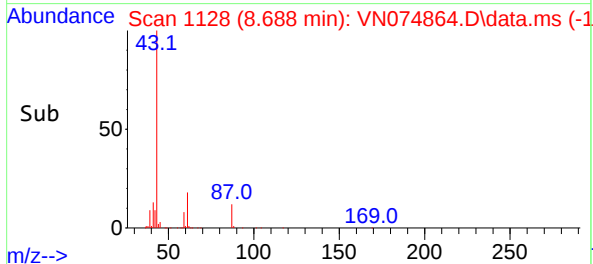
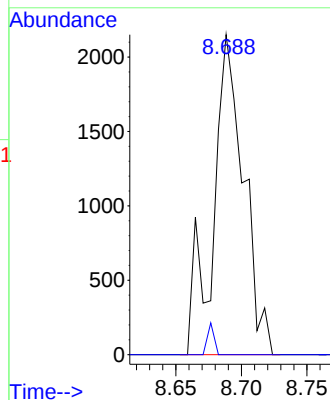
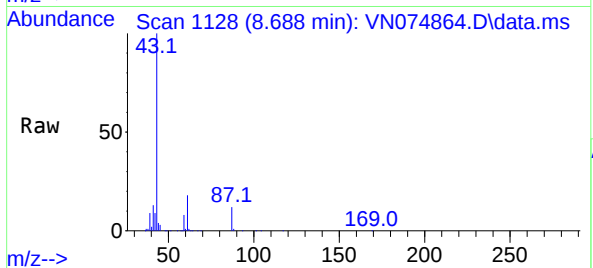




#42
1,2-Dichloroethane
Concen: 0.254 ug/l
RT: 8.688 min Scan# 1126
Delta R.T. 0.012 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

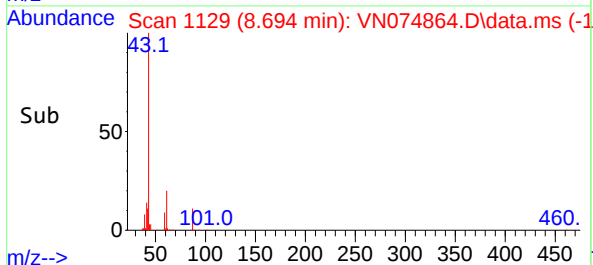
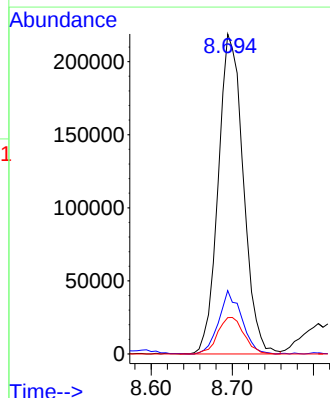
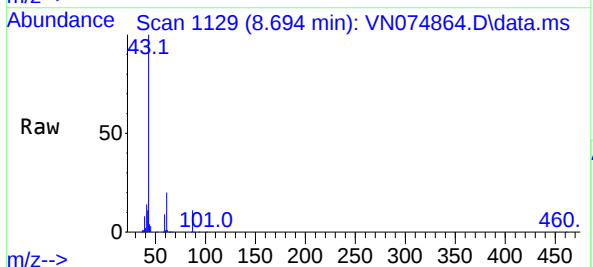
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#13

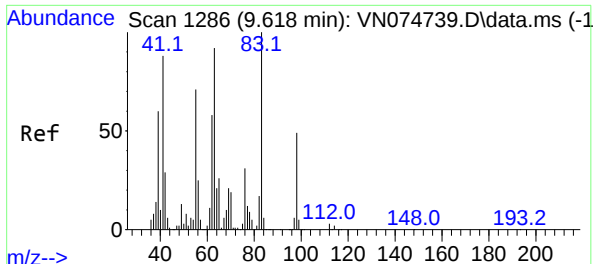
Tgt Ion: 62 Resp: 3464
Ion Ratio Lower Upper
62 100
98 2.2 0.0 19.4



#43
Isopropyl Acetate
Concen: 14.094 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

Tgt Ion: 43 Resp: 469501
Ion Ratio Lower Upper
43 100
61 18.2 19.4 29.0#
87 12.0 10.1 15.1





#48

Methyl methacrylate

Concen: 1.000 ug/l

RT: 9.677 min Scan# 1309

Delta R.T. 0.059 min

Lab File: VN074864.D

Acq: 11 Oct 2022 22:15

Instrument :

MSVOA_N

ClientSampleId :

PB148255ZHE#13

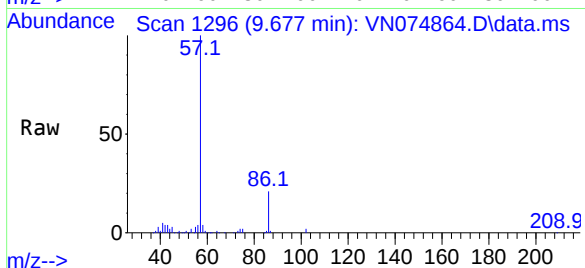
Tgt Ion: 41 Resp: 13677

Ion Ratio Lower Upper

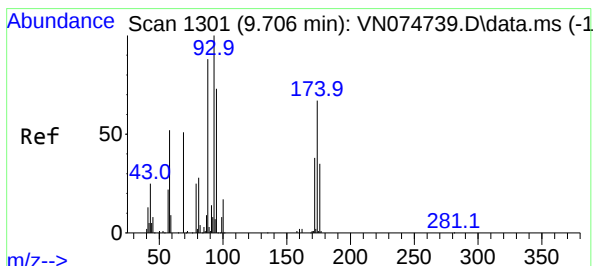
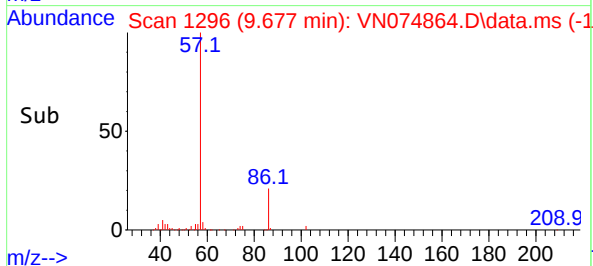
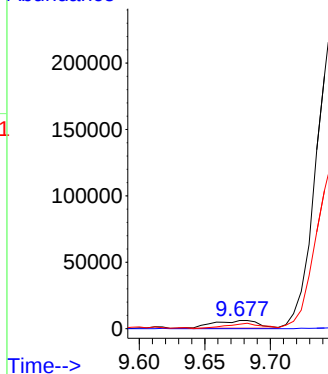
41 100

69 0.0 0.0 0.0

39 56.5 54.4 81.6



Abundance



#49

1,4-Dioxane

Concen: 4.018 ug/l

RT: 9.753 min Scan# 1309

Delta R.T. 0.047 min

Lab File: VN074864.D

Acq: 11 Oct 2022 22:15

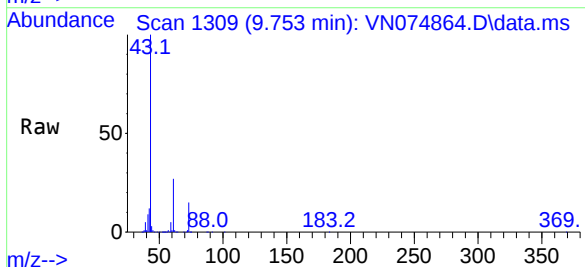
Tgt Ion: 88 Resp: 1191

Ion Ratio Lower Upper

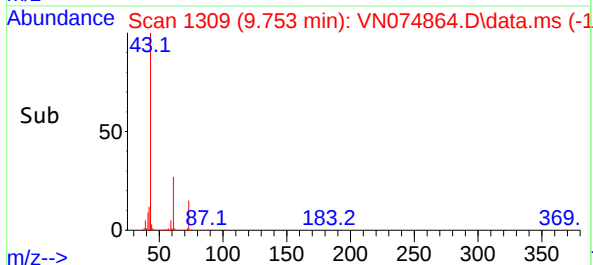
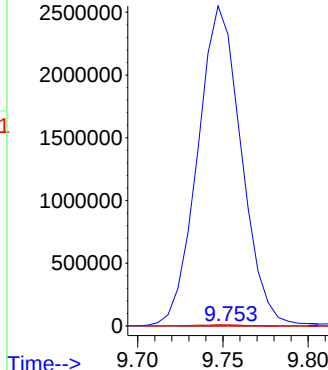
88 100

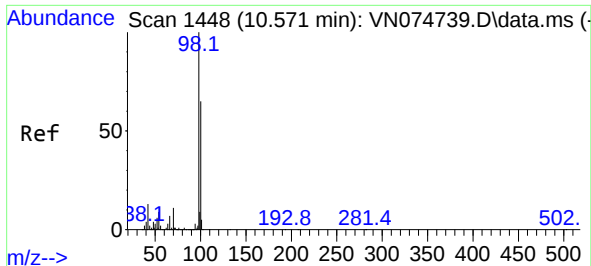
43 385402.6 23.4 35.2#

58 1589.8 54.9 82.3#



Abundance

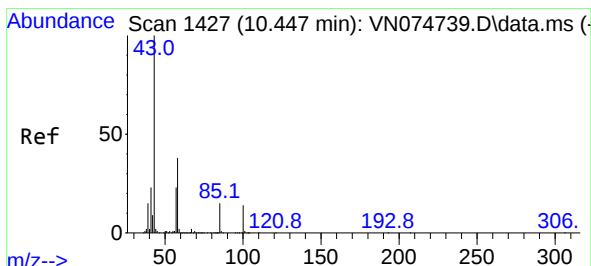
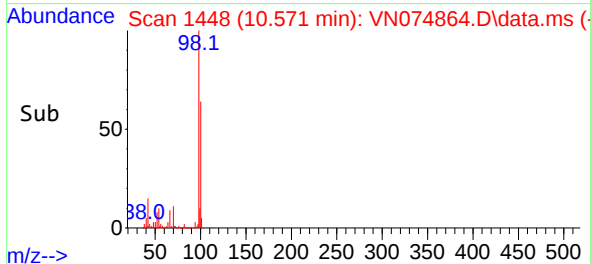
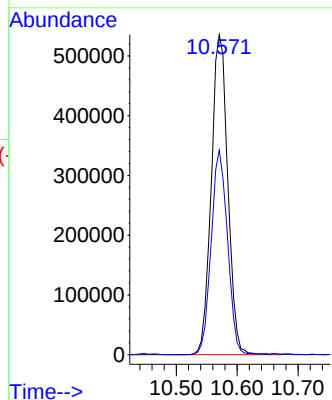
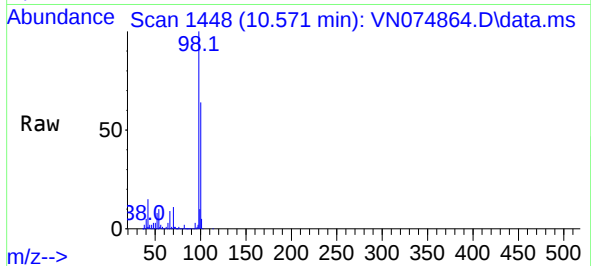




#50
Toluene-d8
Concen: 28.291 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

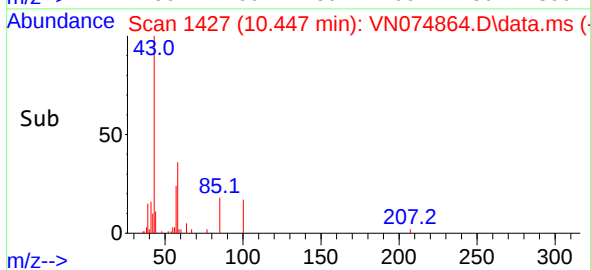
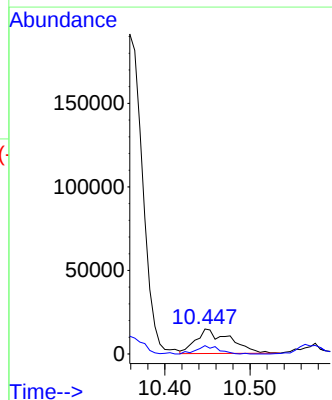
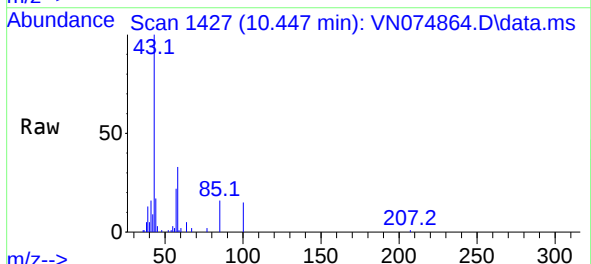
Instrument : MSVOA_N
ClientSampleId : PB148255ZHE#13

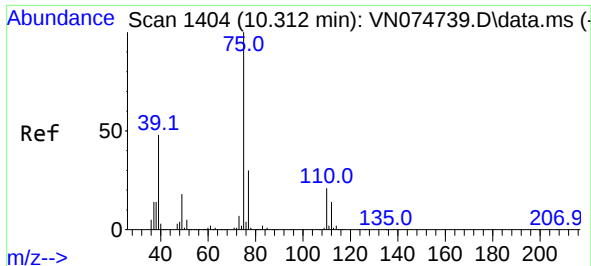
Tgt Ion: 98 Resp: 1007920
Ion Ratio Lower Upper
98 100
100 63.3 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 1.904 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

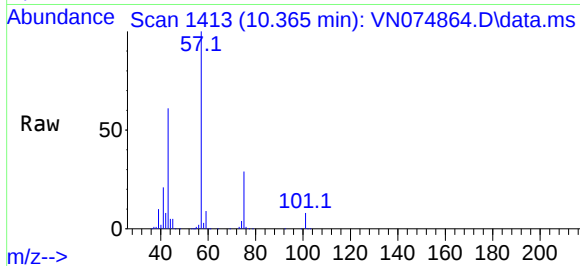
Tgt Ion: 43 Resp: 40835
Ion Ratio Lower Upper
43 100
58 21.4 30.6 45.8#



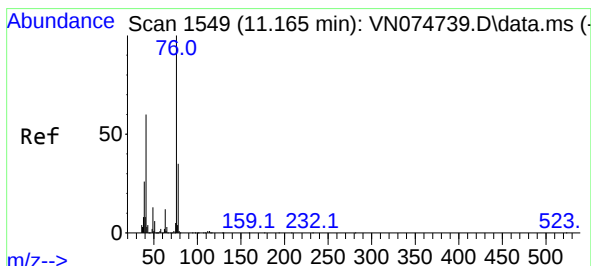
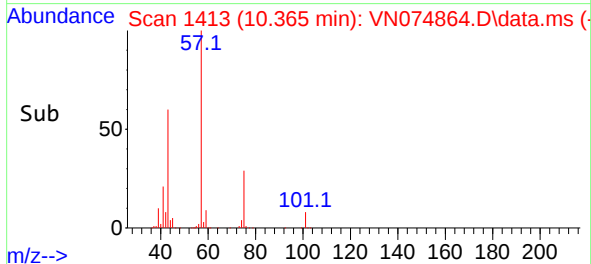
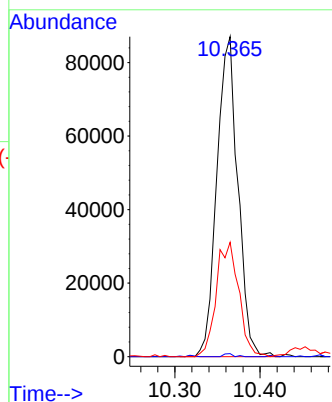


#54
 cis-1,3-Dichloropropene
 Concen: 8.190 ug/l
 RT: 10.365 min Scan# 1413
 Delta R.T. 0.053 min
 Lab File: VN074864.D
 Acq: 11 Oct 2022 22:15

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#13

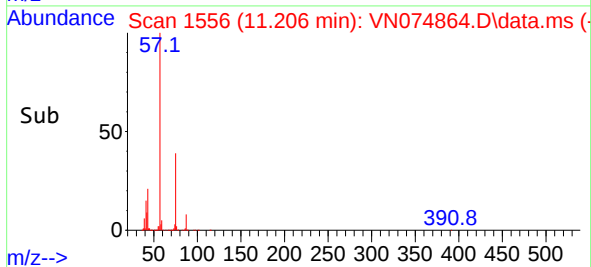
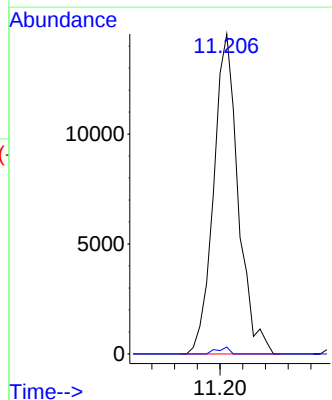
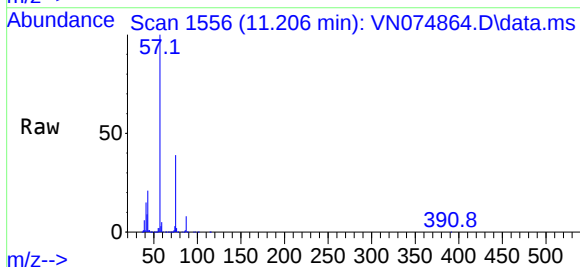


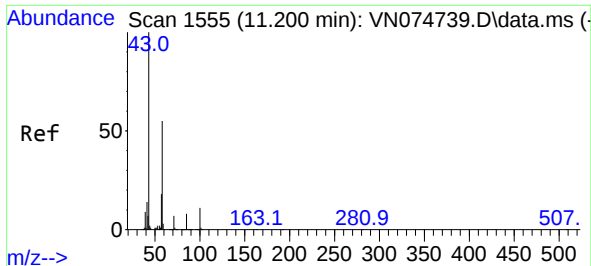
Tgt Ion: 75 Resp: 148782
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.4 36.6#
 39 35.7 38.6 57.8#



#57
 1,3-Dichloropropane
 Concen: 1.154 ug/l
 RT: 11.206 min Scan# 1556
 Delta R.T. 0.041 min
 Lab File: VN074864.D
 Acq: 11 Oct 2022 22:15

Tgt Ion: 76 Resp: 21850
 Ion Ratio Lower Upper
 76 100
 78 1.1 26.2 39.2#

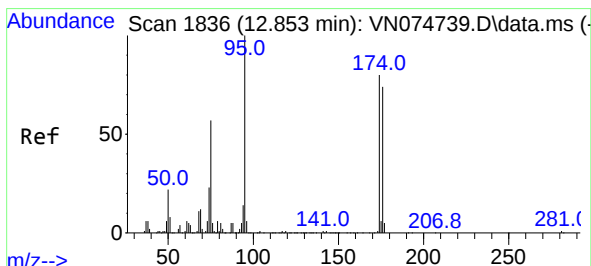
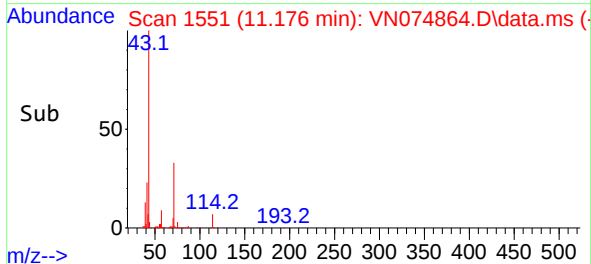
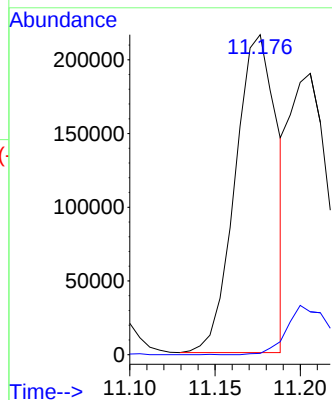
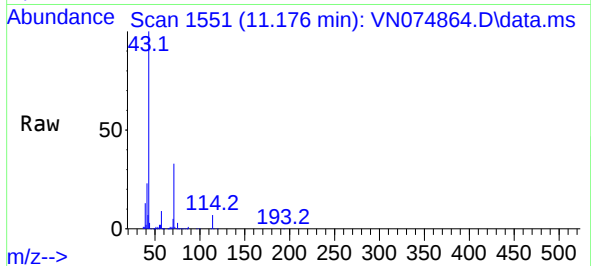




#59
2-Hexanone
Concen: 22.588 ug/l
RT: 11.176 min Scan# 11551
Delta R.T. -0.024 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

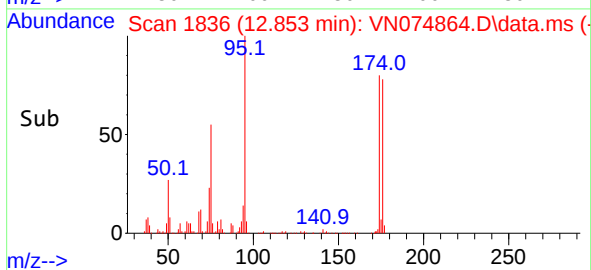
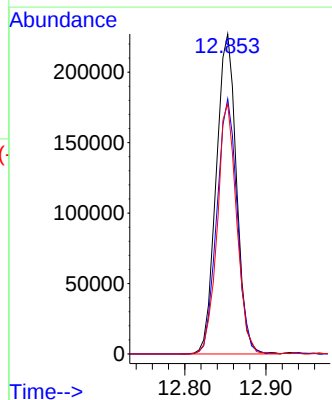
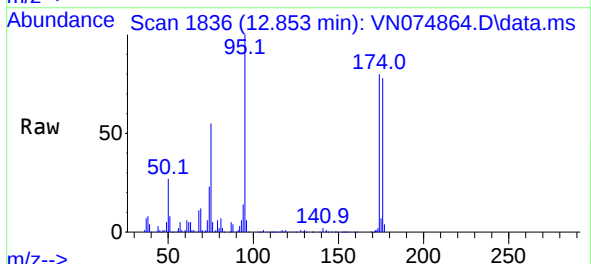
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#13

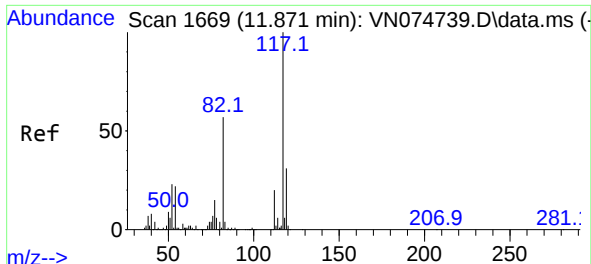
Tgt Ion: 43 Resp: 366510
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 36.319 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

Tgt Ion: 95 Resp: 393334
Ion Ratio Lower Upper
95 100
174 80.4 0.0 149.4
176 75.1 0.0 142.0

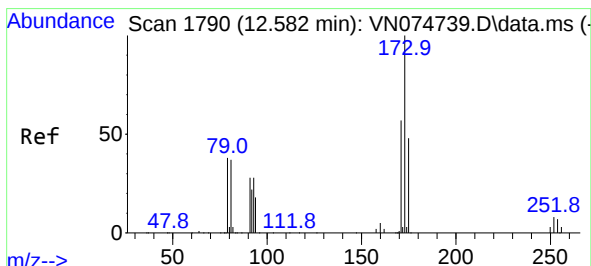
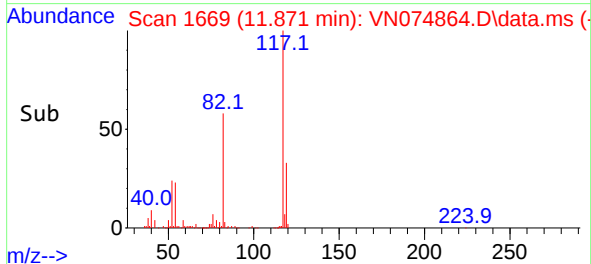
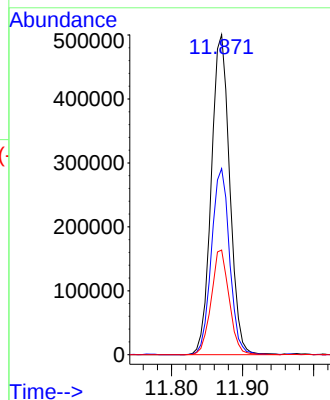
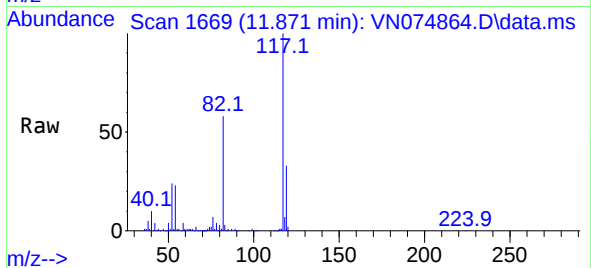




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

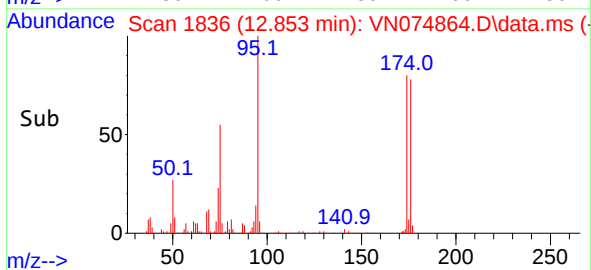
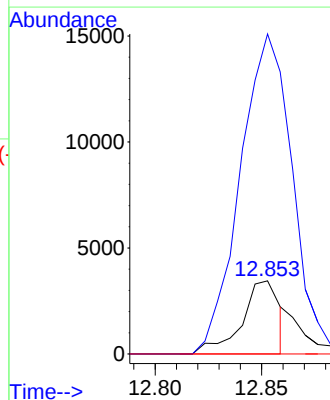
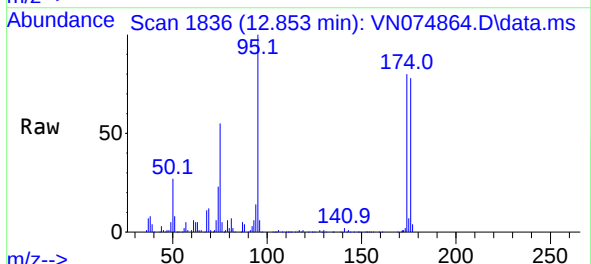
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#13

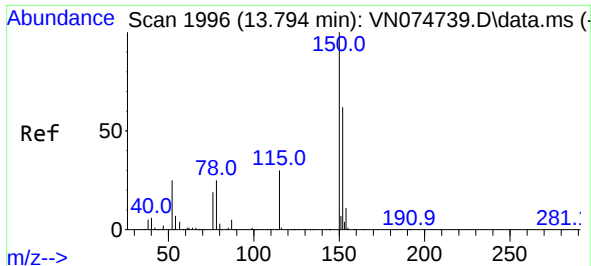
Tgt Ion:117 Resp: 899938
Ion Ratio Lower Upper
117 100
82 58.1 45.4 68.2
119 32.7 25.1 37.7



#71
Bromoform
Concen: 0.555 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

Tgt Ion:173 Resp: 4261
Ion Ratio Lower Upper
173 100
175 486.2 23.9 71.7#
254 0.0 0.1 0.1#

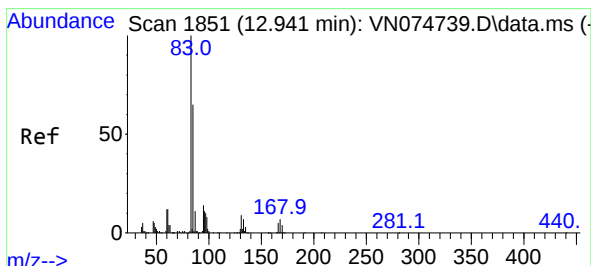
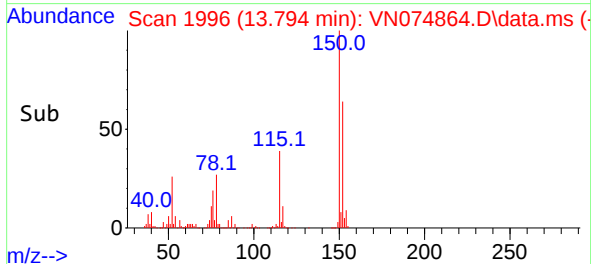
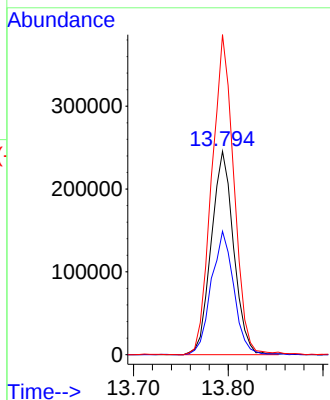
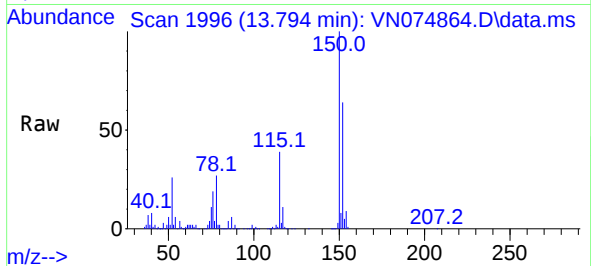




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

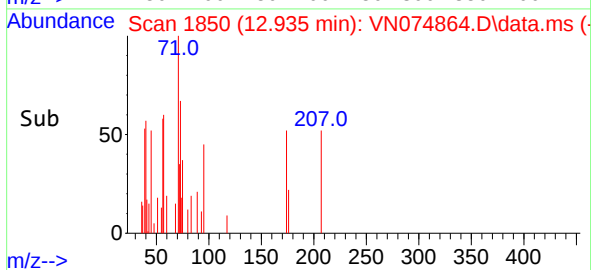
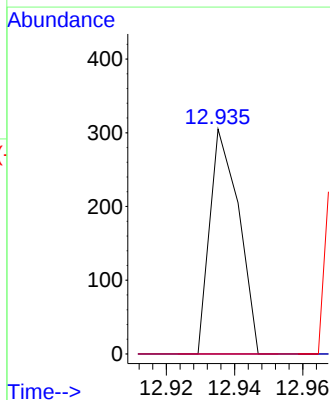
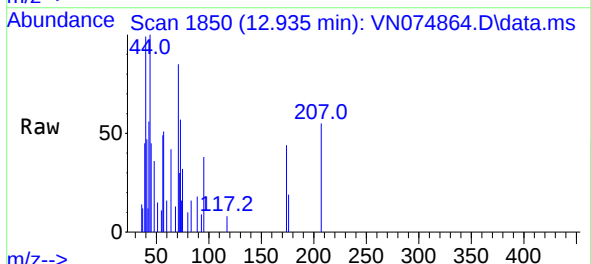
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#13

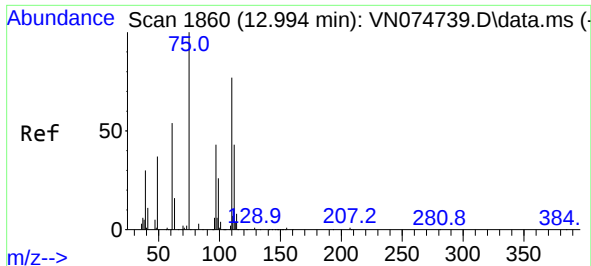
Tgt Ion:152 Resp: 403461
Ion Ratio Lower Upper
152 100
115 61.3 30.0 90.0
150 156.3 0.0 356.4



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

Tgt Ion: 83 Resp: 180
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 0.0 32.9 98.6#

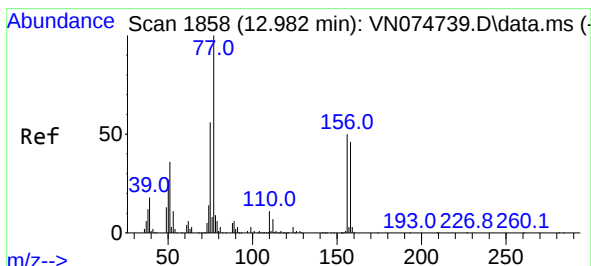
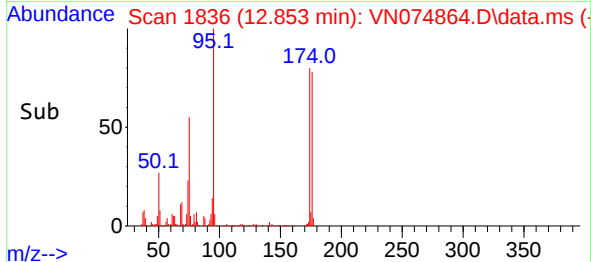
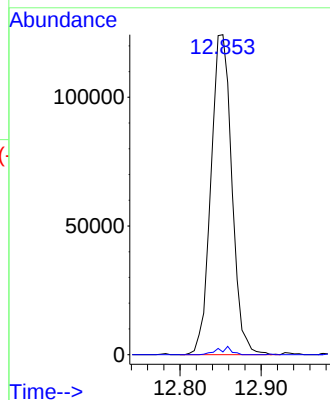
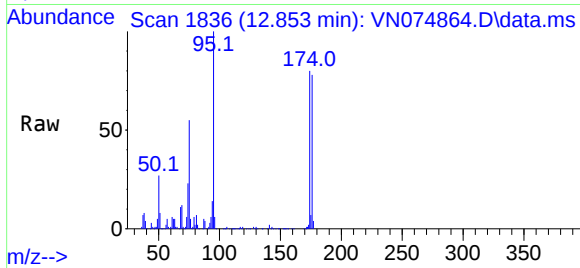




#76
1,2,3-Trichloropropane
Concen: 18.487 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

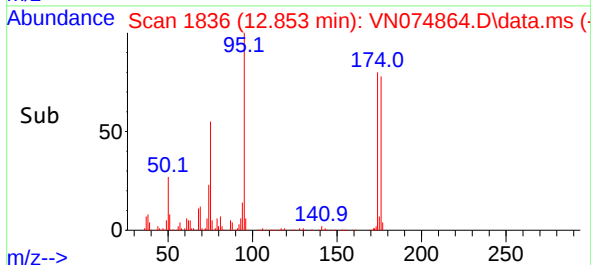
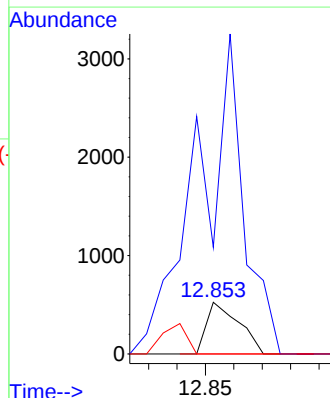
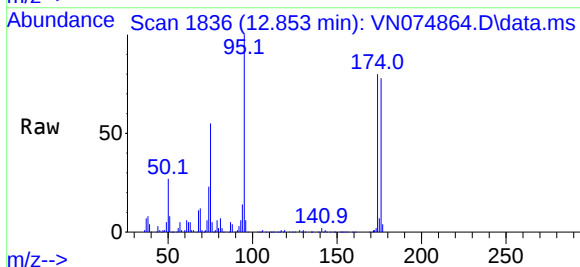
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#13

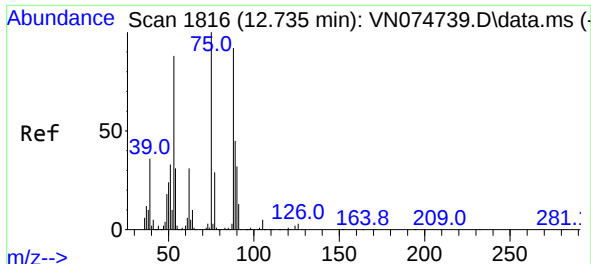
Tgt Ion: 75 Resp: 222629
Ion Ratio Lower Upper
75 100
77 1.6 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.853 min Scan# 1836
Delta R.T. -0.129 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

Tgt Ion: 156 Resp: 413
Ion Ratio Lower Upper
156 100
77 880.9 124.7 374.1#
158 44.6 48.3 144.9#

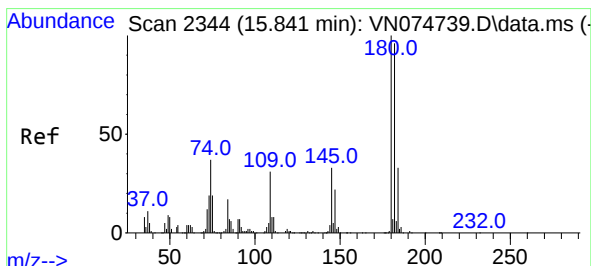
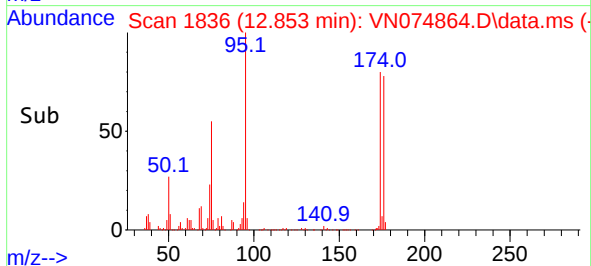
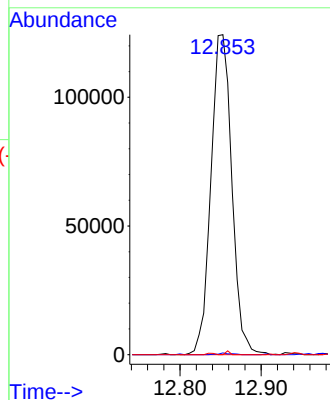
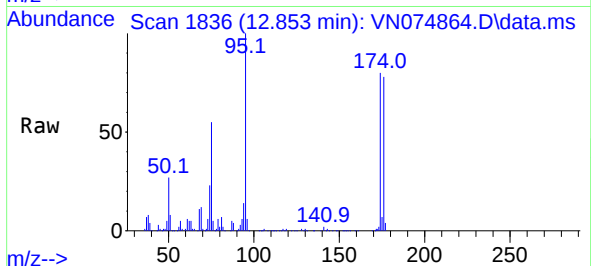




#81
trans-1,4-Dichloro-2-butene
Concen: 36.020 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#13

Tgt Ion: 75 Resp: 222629
Ion Ratio Lower Upper
75 100
53 0.3 71.4 107.0#
89 0.2 32.1 48.1#



#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 15.858 min Scan# 2347
Delta R.T. 0.017 min
Lab File: VN074864.D
Acq: 11 Oct 2022 22:15

Tgt Ion:180 Resp: 206
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 0.0 17.1 51.2#

