

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101122\
 Data File : VN074856.D
 Acq On : 11 Oct 2022 19:02
 Operator : JC\MD
 Sample : PB148255ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#05

Quant Time: Oct 12 03:57:25 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)

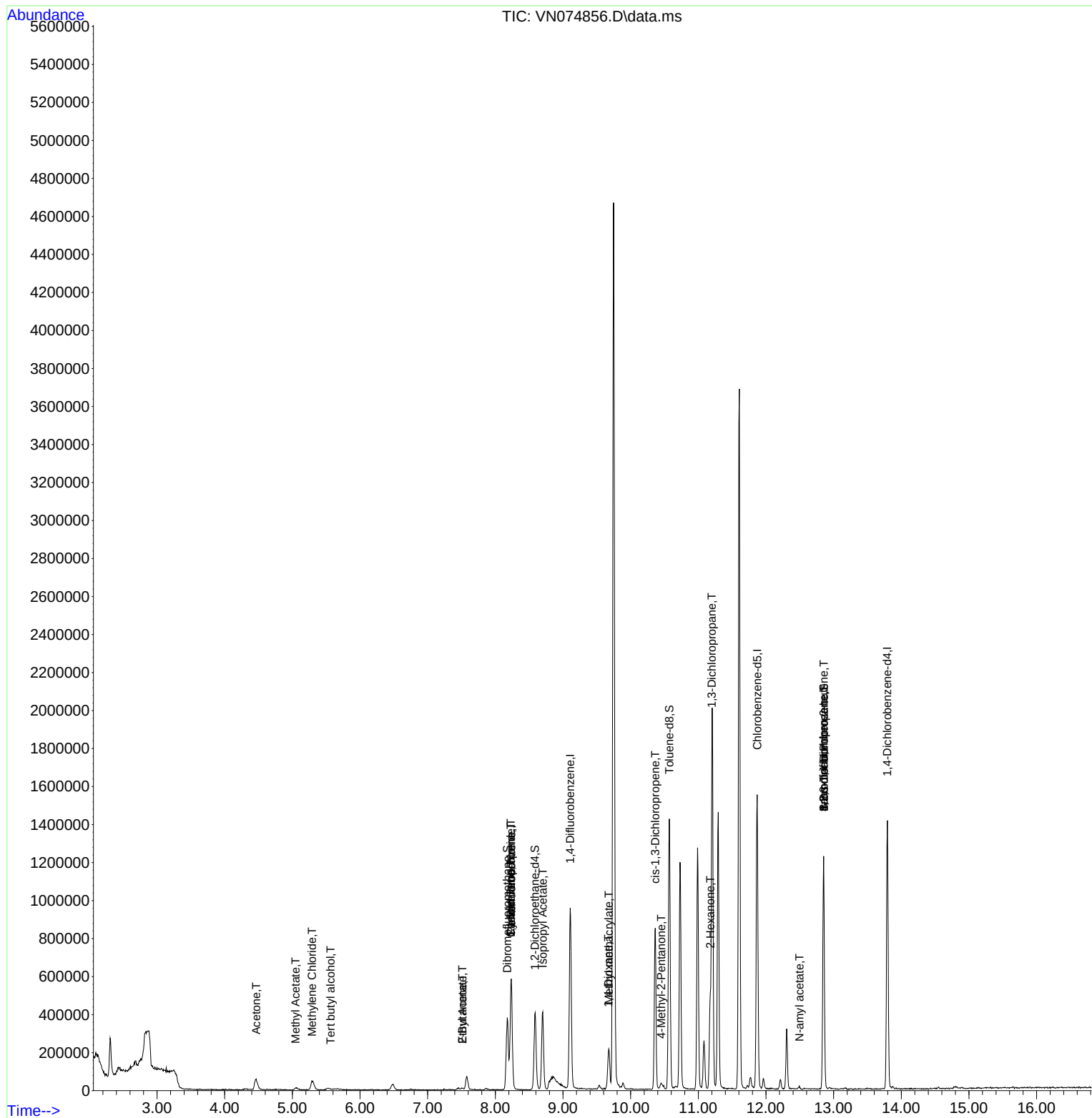
Internal Standards						
1) Pentafluorobenzene	8.236	168	402002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	802341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	850841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	354492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	296467	31.125	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	62.240%#		
35) Dibromofluoromethane	8.177	113	253206	31.235	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	62.460%#		
50) Toluene-d8	10.571	98	976590	28.076	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	56.160%#		
62) 4-Bromofluorobenzene	12.853	95	354066	33.485	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	66.980%#		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.565	59	974	0.305	ug/l #	12
13) Acrolein	4.189	56	55	Below Cal	#	15
16) Acetone	4.465	43	104751	19.406	ug/l	97
18) Methyl Acetate	5.048	43	11450	0.573	ug/l #	40
20) Methylene Chloride	5.289	84	34550	1.887	ug/l #	93
25) 2-Butanone	7.512	43	13300	1.358	ug/l	92
31) Cyclohexane	8.230	56	12236	0.743	ug/l #	66
36) 1,1-Dichloropropene	8.230	75	37784	2.880	ug/l #	46
37) Ethyl Acetate	7.512	43	13300	0.253	ug/l #	86
38) Carbon Tetrachloride	8.230	117	43668	3.529	ug/l #	16
43) Isopropyl Acetate	8.700	43	482532	14.836	ug/l #	90
48) Methyl methacrylate	9.677	41	14218	1.065	ug/l #	99
49) 1,4-Dioxane	9.671	88	97	0.335	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	18109	0.865	ug/l #	75
54) cis-1,3-Dichloropropene	10.365	75	150165	8.466	ug/l #	66
57) 1,3-Dichloropropane	11.200	76	21031	1.137	ug/l #	42
59) 2-Hexanone	11.177	43	430627	27.183	ug/l #	24
71) Bromoform	12.853	173	3493	0.481	ug/l #	1
74) N-amyl acetate	12.494	43	7006	0.340	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.906	83	73	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	215633	20.380	ug/l #	1
77) Bromobenzene	12.853	156	327	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	215633	39.708	ug/l #	14
96) 1,2,3-Trichlorobenzene	15.841	180	338	Below Cal	#	23

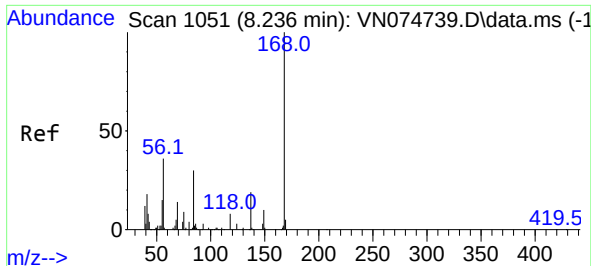
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 12 03:57:25 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

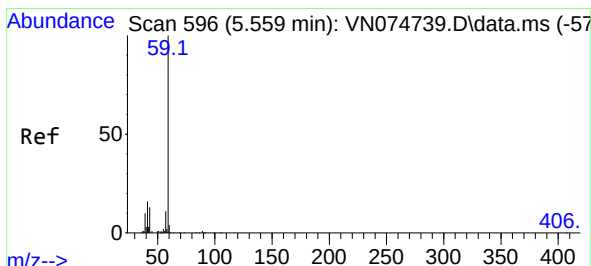
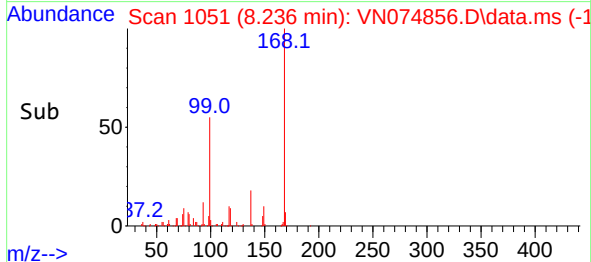
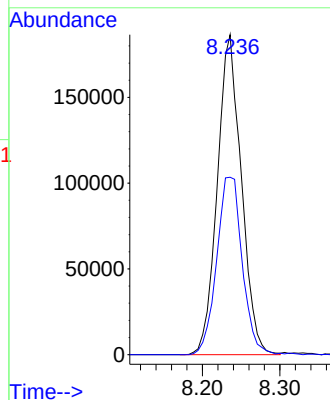
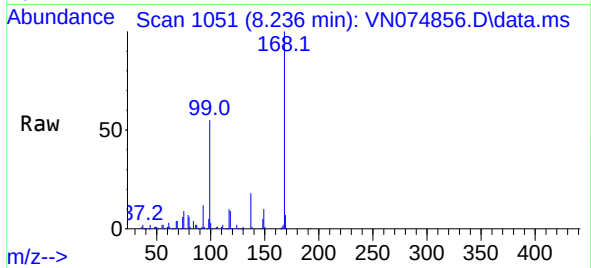




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.000 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

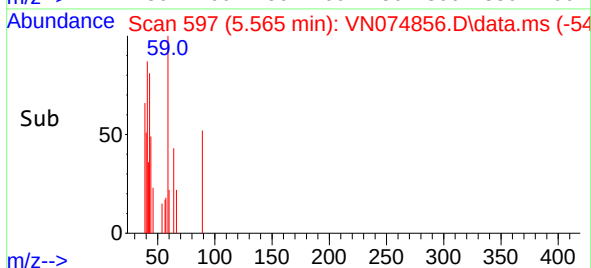
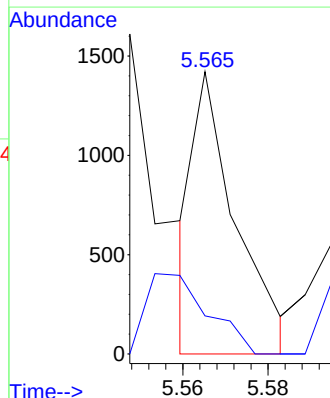
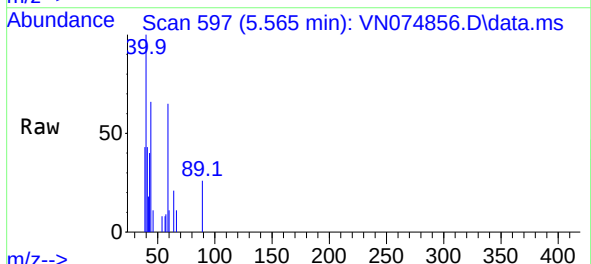
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#05

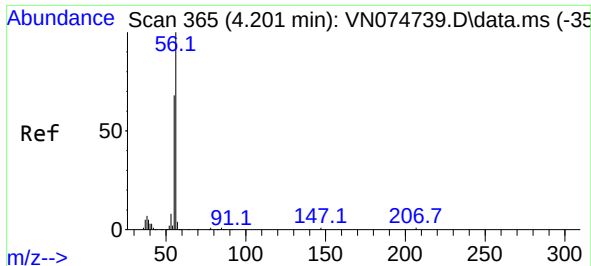
Tgt Ion:168 Resp: 402002
Ion Ratio Lower Upper
168 100
99 55.4 42.8 64.2



#11
Tert butyl alcohol
Concen: 0.305 ug/l
RT: 5.565 min Scan# 597
Delta R.T. 0.006 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Tgt Ion: 59 Resp: 974
Ion Ratio Lower Upper
59 100
57 42.0 7.7 11.5#

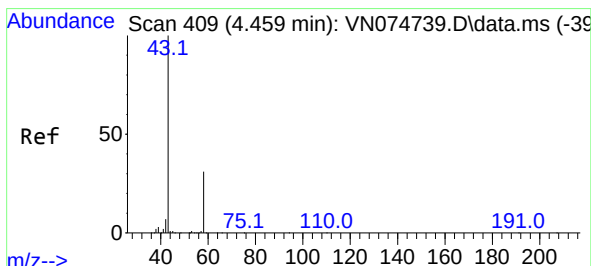
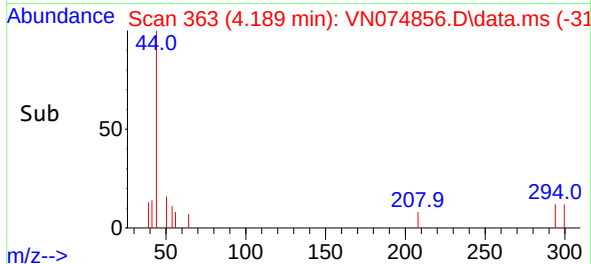
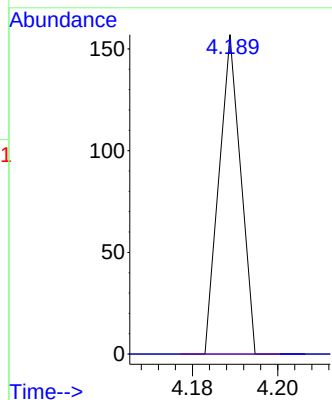
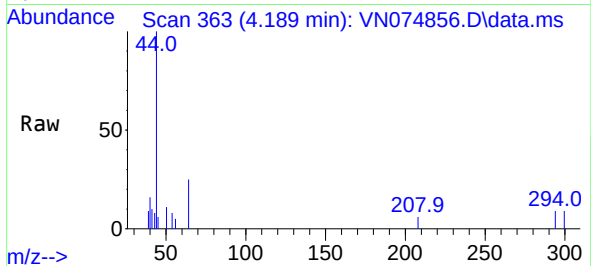




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 301
Delta R.T. -0.012 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

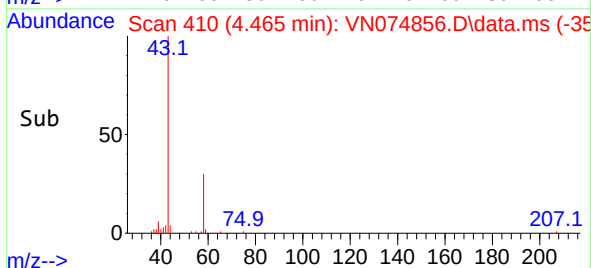
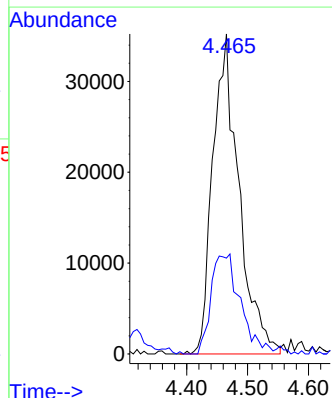
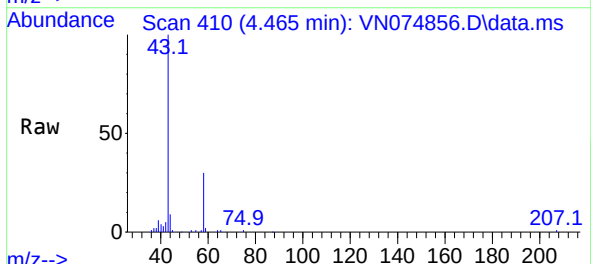
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#05

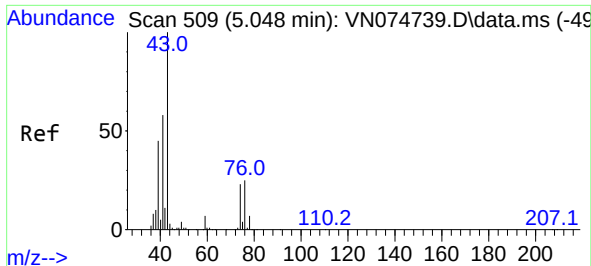
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#



#16
Acetone
Concen: 19.406 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Tgt Ion: 43 Resp: 104751
Ion Ratio Lower Upper
43 100
58 29.3 24.9 37.3

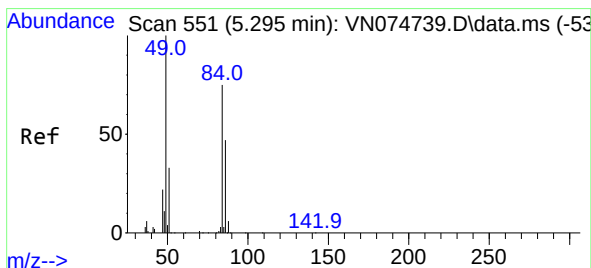
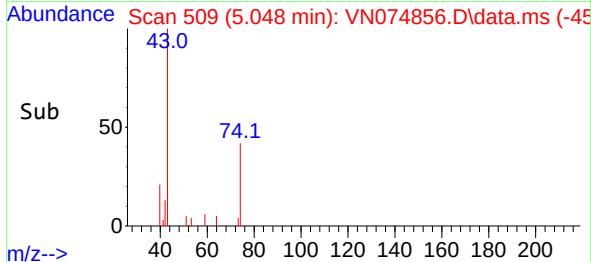
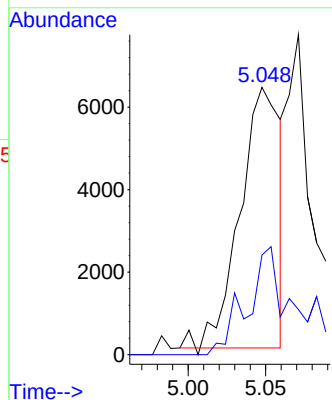
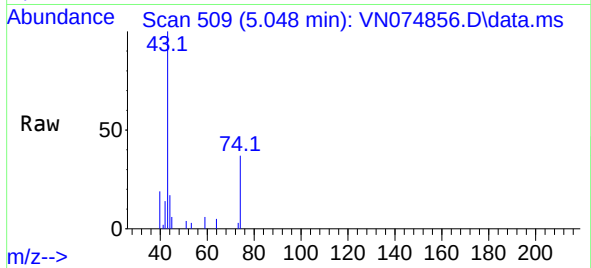




#18
Methyl Acetate
Concen: 0.573 ug/l
RT: 5.048 min Scan# 509
Delta R.T. -0.000 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

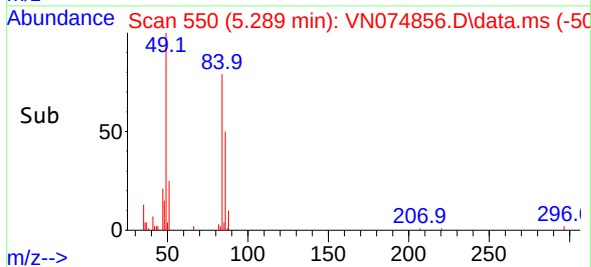
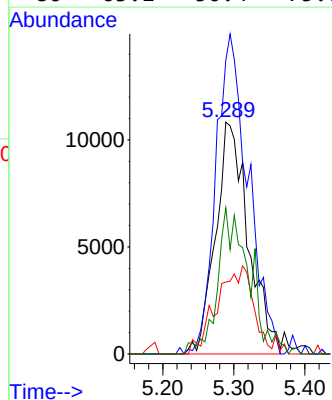
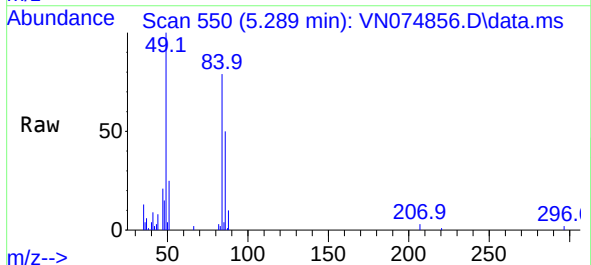
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#05

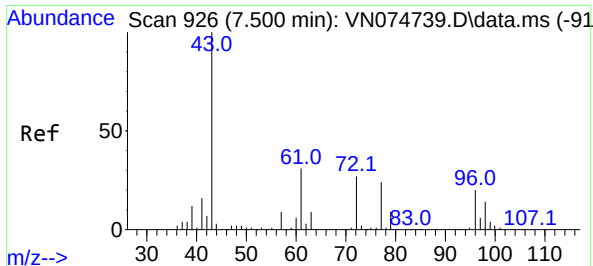
Tgt Ion: 43 Resp: 11450
Ion Ratio Lower Upper
43 100
74 52.4 18.5 27.7#



#20
Methylene Chloride
Concen: 1.887 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.006 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Tgt Ion: 84 Resp: 34550
Ion Ratio Lower Upper
84 100
49 126.6 107.4 161.0
51 31.1 35.1 52.7#
86 63.1 50.4 75.6

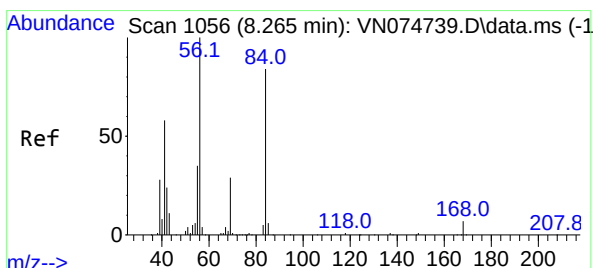
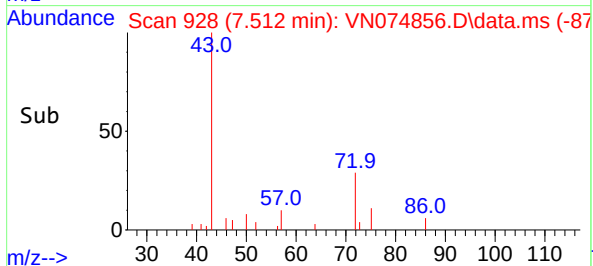
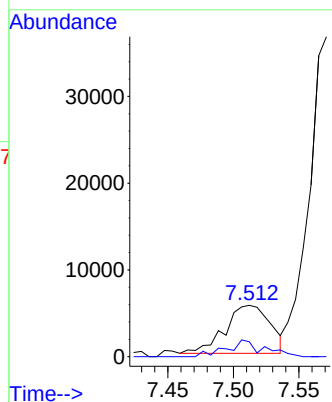
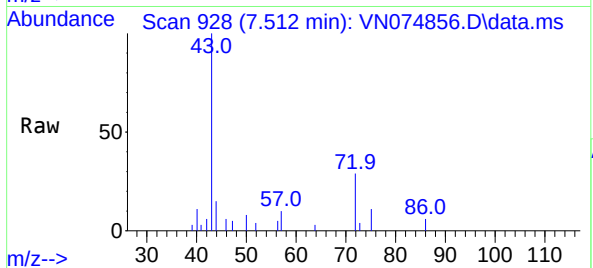




#25
2-Butanone
Concen: 1.358 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

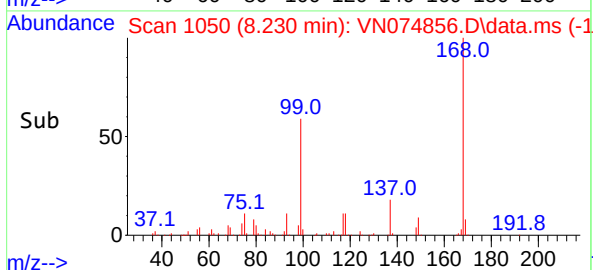
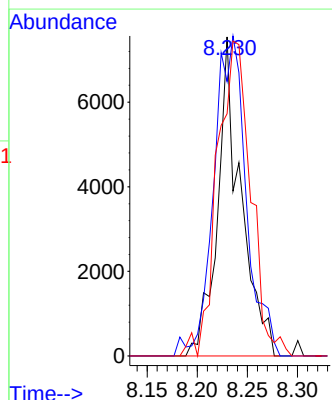
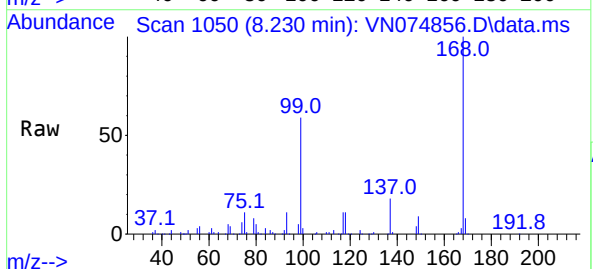
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#05

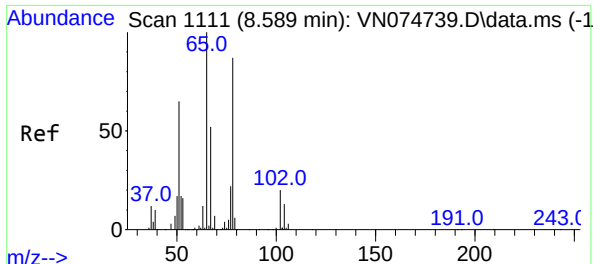
Tgt Ion: 43 Resp: 13300
Ion Ratio Lower Upper
43 100
72 30.9 21.4 32.0



#31
Cyclohexane
Concen: 0.743 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Tgt Ion: 56 Resp: 12236
Ion Ratio Lower Upper
56 100
69 86.0 23.1 34.7#
84 75.9 67.1 100.7

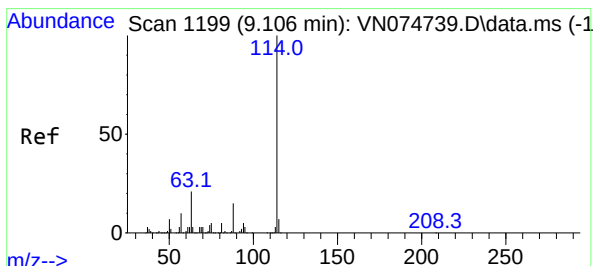
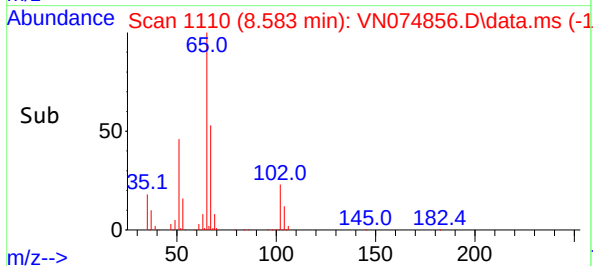
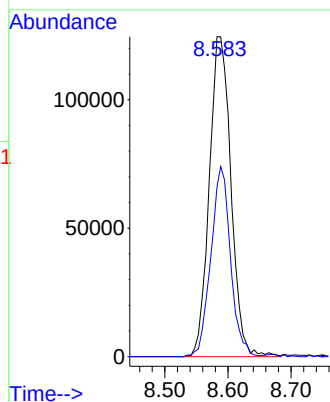
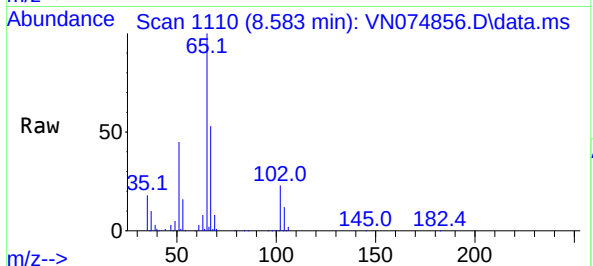




#33
1,2-Dichloroethane-d4
Concen: 31.125 ug/l
RT: 8.583 min Scan# 1111
Delta R.T. -0.006 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

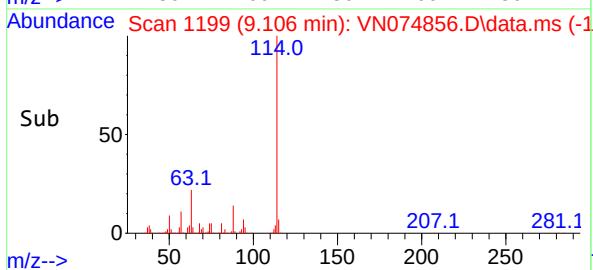
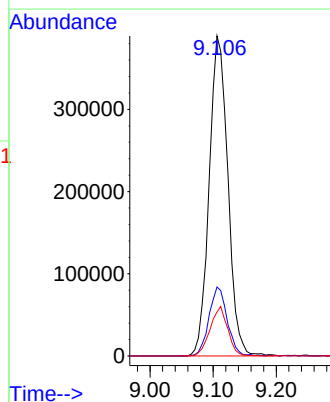
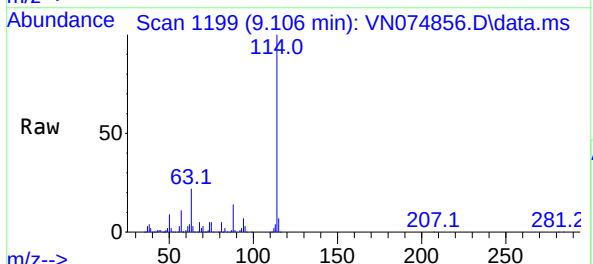
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#05

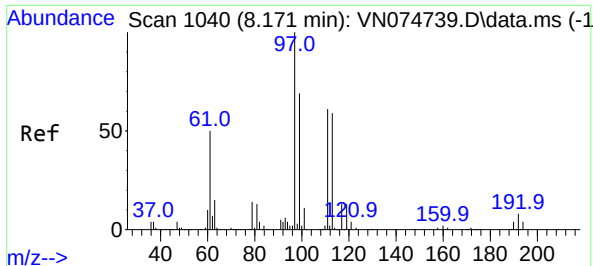
Tgt Ion: 65 Resp: 296467
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Tgt Ion:114 Resp: 802341
Ion Ratio Lower Upper
114 100
63 21.5 0.0 41.2
88 13.7 0.0 30.2

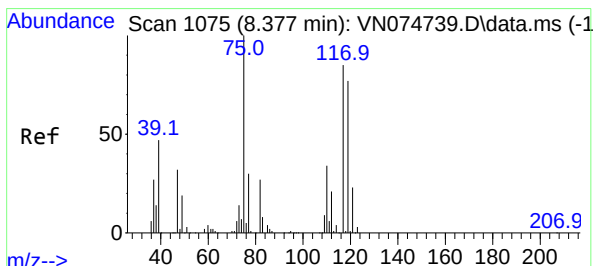
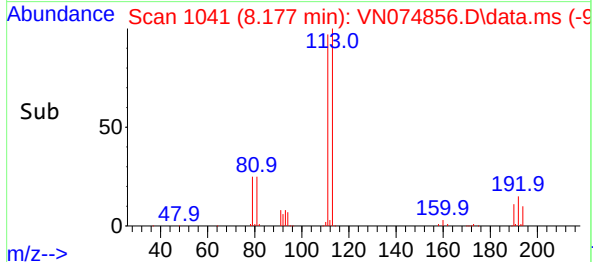
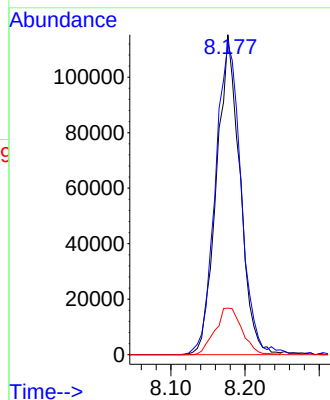
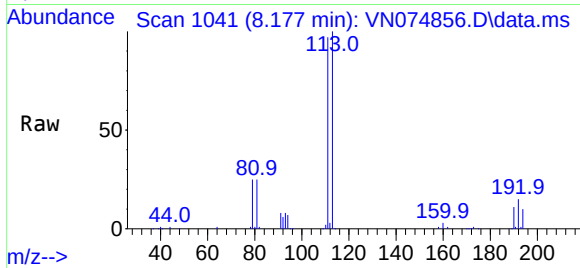




#35
Dibromofluoromethane
Concen: 31.235 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

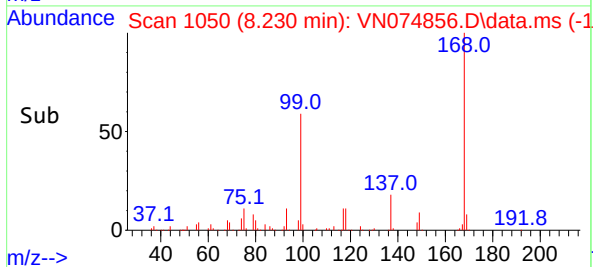
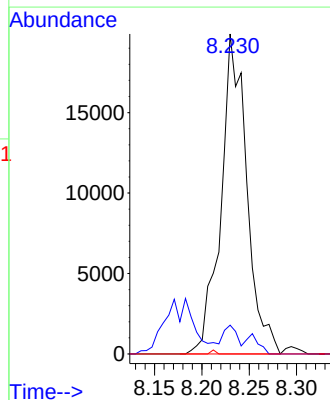
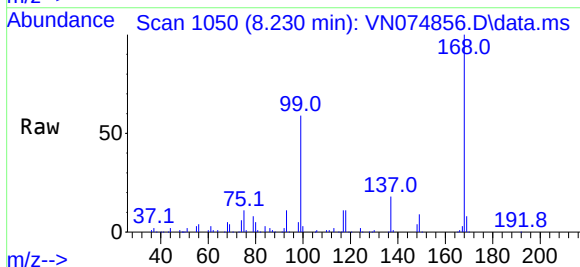
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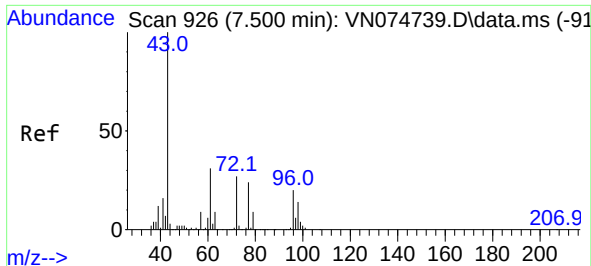
Tgt Ion:113 Resp: 253206
Ion Ratio Lower Upper
113 100
111 107.3 83.0 124.6
192 16.7 12.6 18.8



#36
1,1-Dichloropropene
Concen: 2.880 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Tgt Ion: 75 Resp: 37784
Ion Ratio Lower Upper
75 100
110 3.7 17.2 51.5#
77 0.2 24.3 36.5#

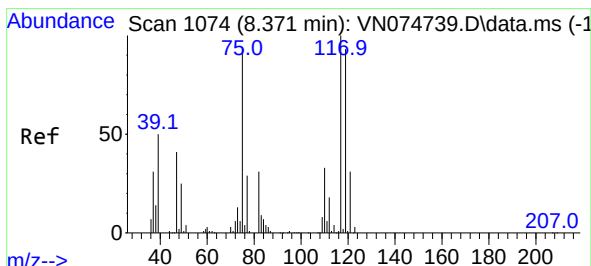
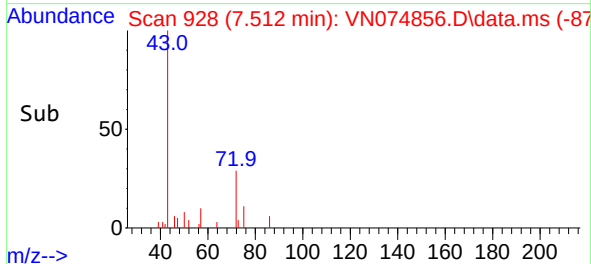
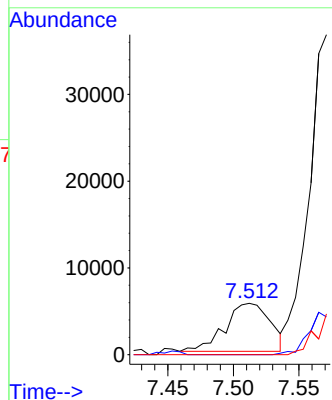
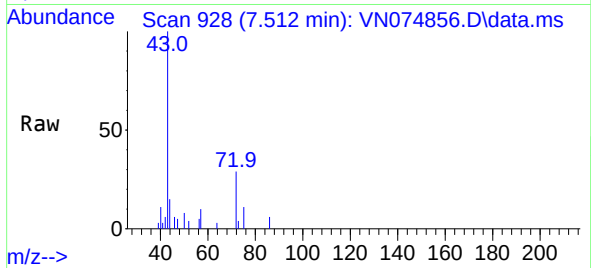




#37
Ethyl Acetate
Concen: 0.253 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

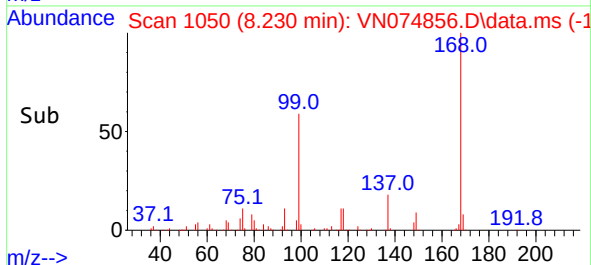
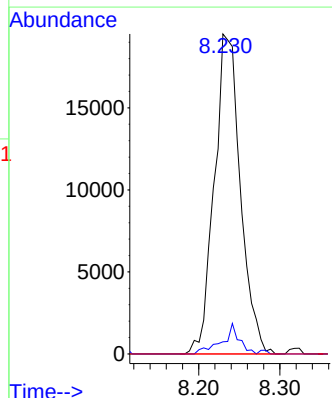
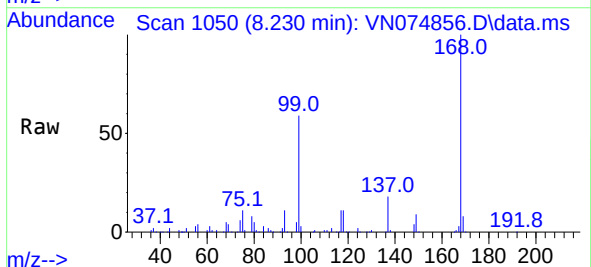
Instrument :
MSVOA_N
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PB148255ZHE#05

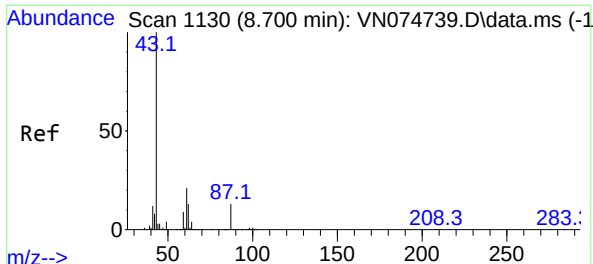
Tgt Ion: 43 Resp: 13300
Ion Ratio Lower Upper
43 100
61 0.0 4.3 6.5#
70 0.0 3.0 4.4#



#38
Carbon Tetrachloride
Concen: 3.529 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Tgt Ion: 117 Resp: 43668
Ion Ratio Lower Upper
117 100
119 3.8 74.3 111.5#
121 0.0 25.0 37.4#

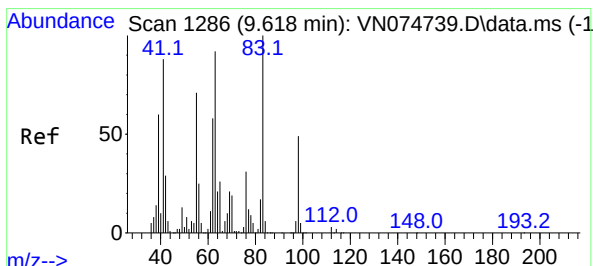
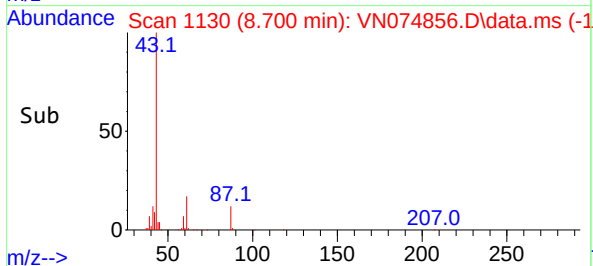
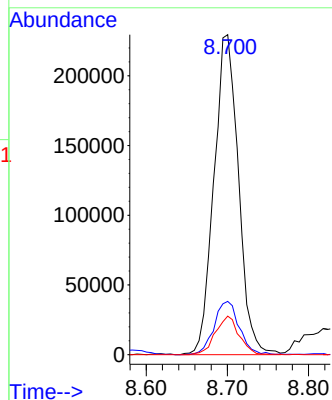
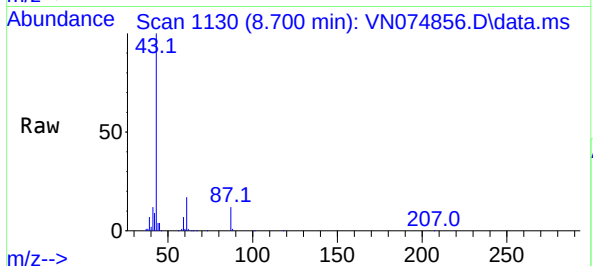




#43
Isopropyl Acetate
Concen: 14.836 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

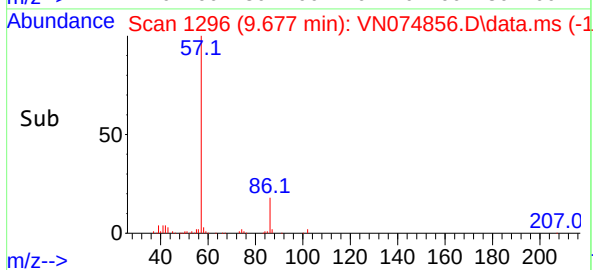
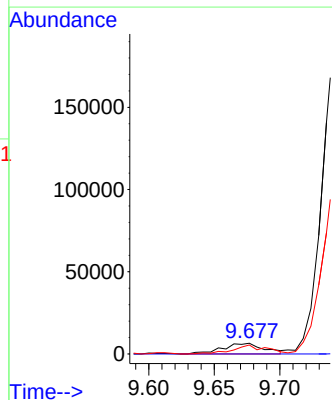
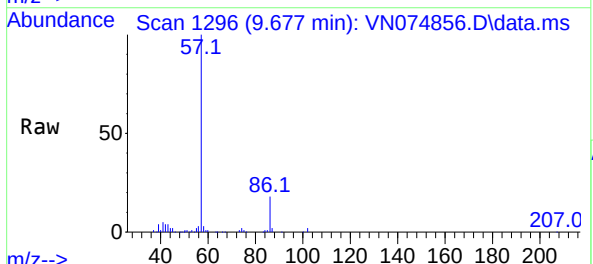
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#05

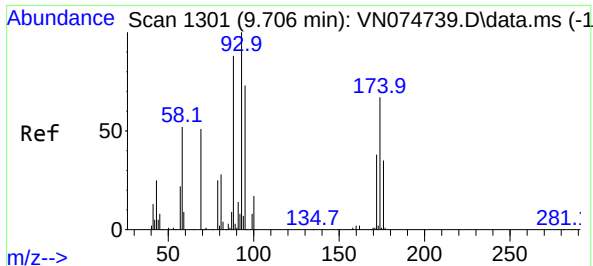
Tgt Ion: 43 Resp: 482532
Ion Ratio Lower Upper
43 100
61 17.2 19.4 29.0#
87 11.6 10.1 15.1



#48
Methyl methacrylate
Concen: 1.065 ug/l
RT: 9.677 min Scan# 1296
Delta R.T. 0.059 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

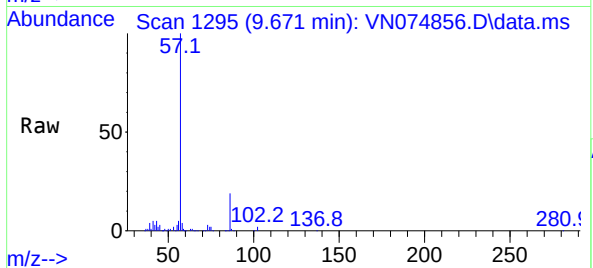
Tgt Ion: 41 Resp: 14218
Ion Ratio Lower Upper
41 100
69 0.0 0.0 0.0
39 69.1 54.4 81.6



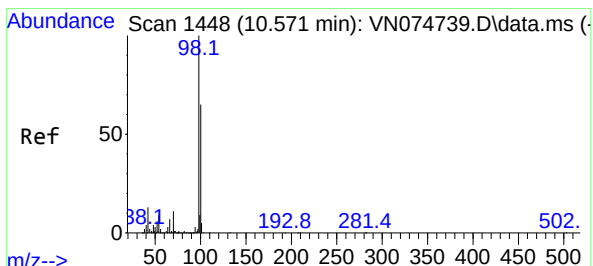
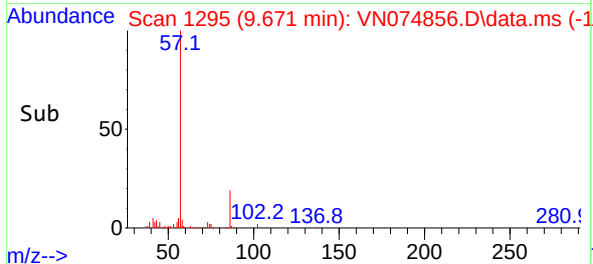
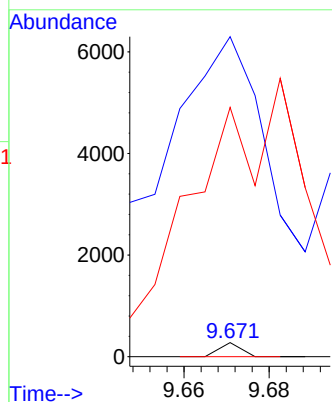


#49
1,4-Dioxane
Concen: 0.335 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#05

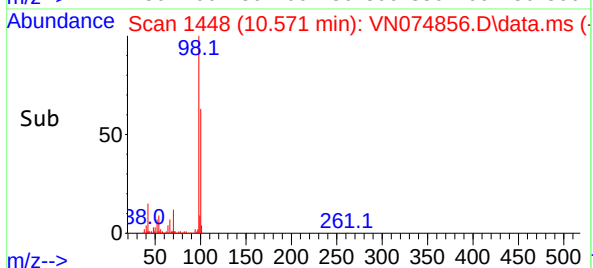
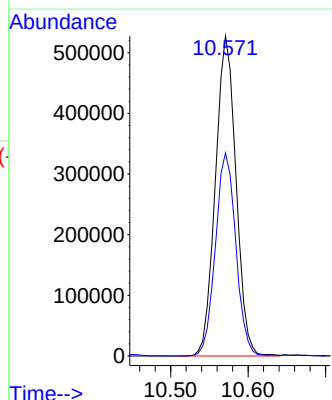
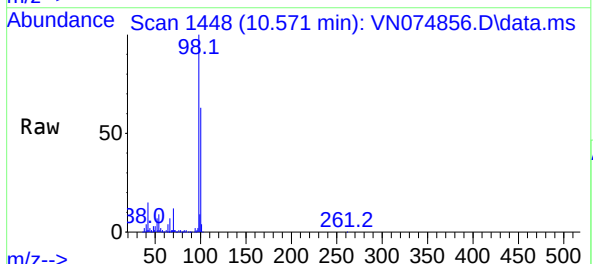


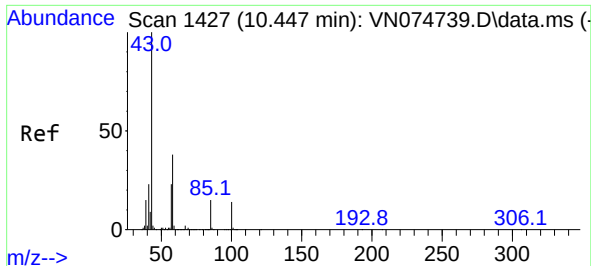
Tgt Ion: 88 Resp: 97
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 10625.8 54.9 82.3#



#50
Toluene-d8
Concen: 28.076 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Tgt Ion: 98 Resp: 976590
Ion Ratio Lower Upper
98 100
100 63.0 50.7 76.1

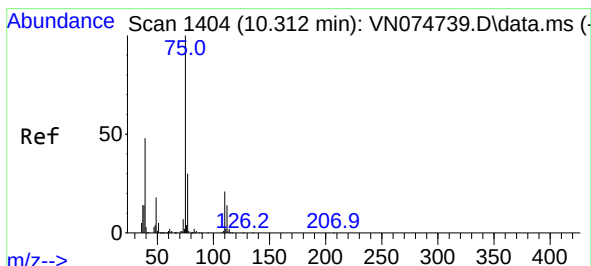
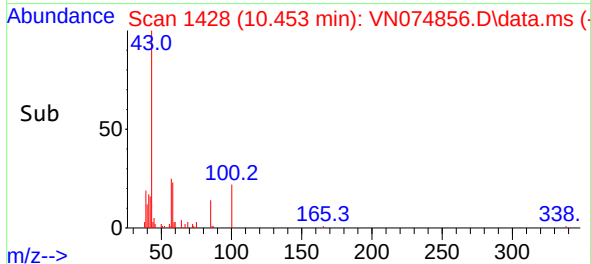
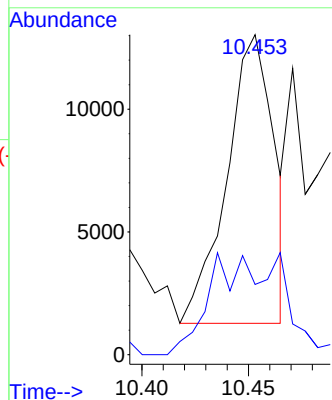
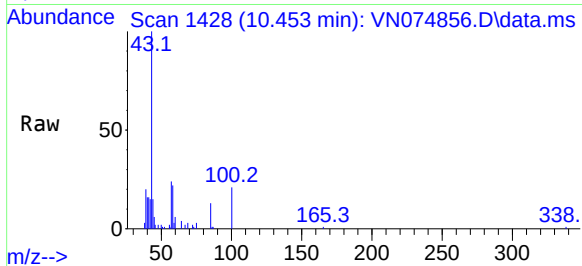




#51
4-Methyl-2-Pentanone
Concen: 0.865 ug/l
RT: 10.453 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

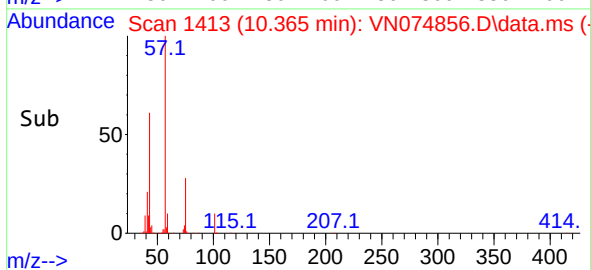
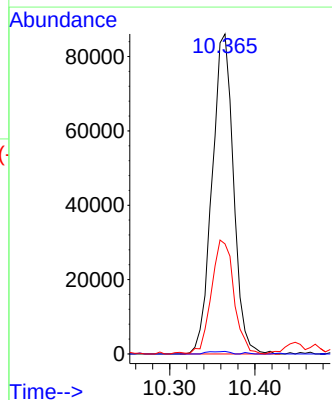
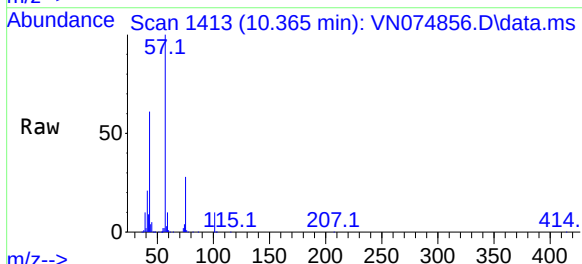
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#05

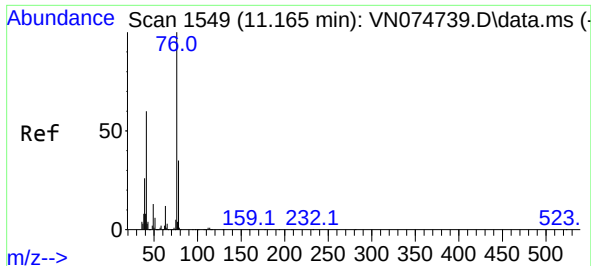
Tgt Ion: 43 Resp: 18109
Ion Ratio Lower Upper
43 100
58 53.4 30.6 45.8#



#54
cis-1,3-Dichloropropene
Concen: 8.466 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.053 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Tgt Ion: 75 Resp: 150165
Ion Ratio Lower Upper
75 100
77 0.8 24.4 36.6#
39 33.9 38.6 57.8#





#57

1,3-Dichloropropane

Concen: 1.137 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN074856.D

Acq: 11 Oct 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

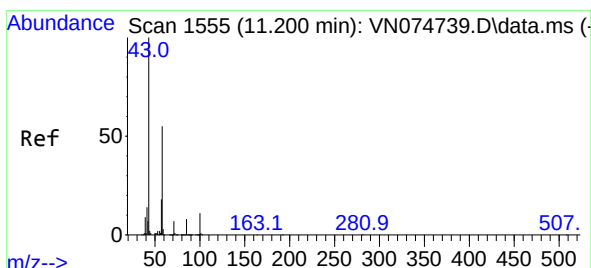
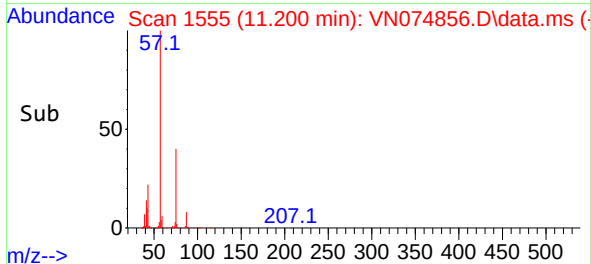
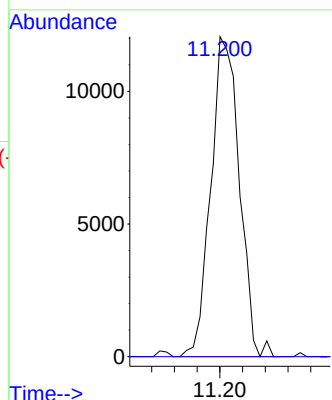
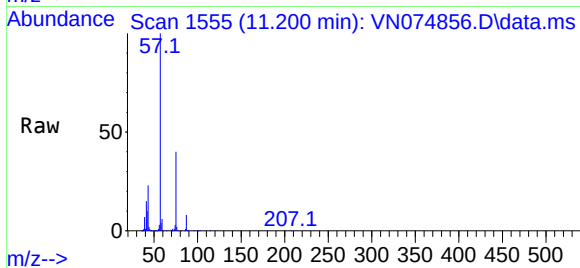
PB148255ZHE#05

Tgt Ion: 76 Resp: 21031

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 27.183 ug/l

RT: 11.177 min Scan# 1551

Delta R.T. -0.024 min

Lab File: VN074856.D

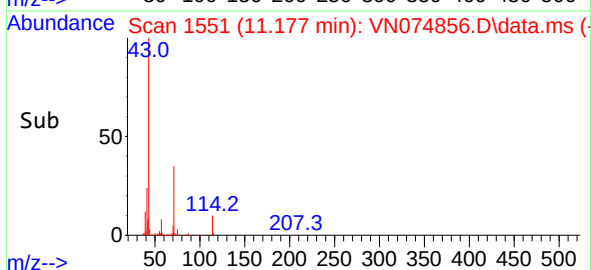
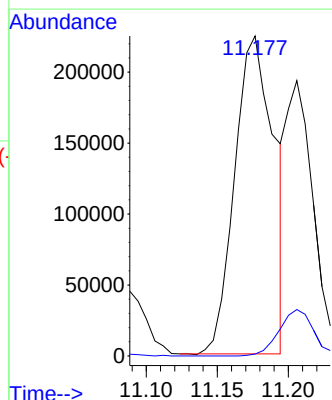
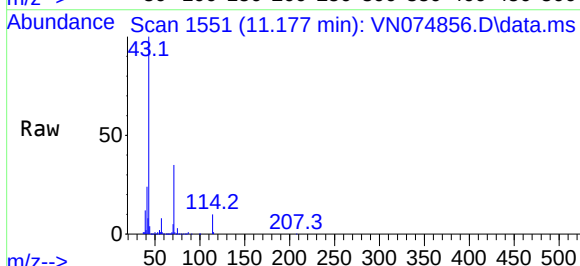
Acq: 11 Oct 2022 19:02

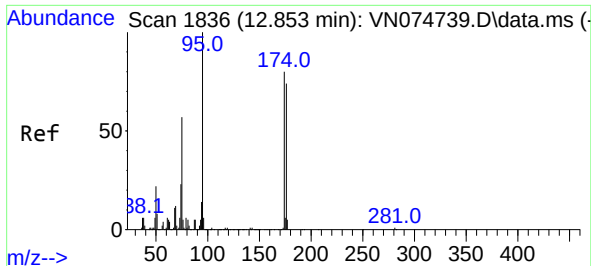
Tgt Ion: 43 Resp: 430627

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.9#

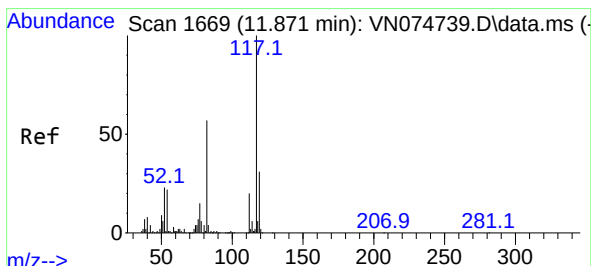
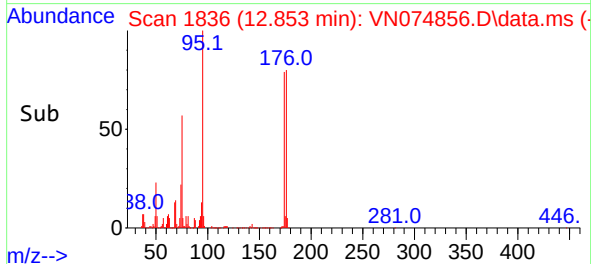
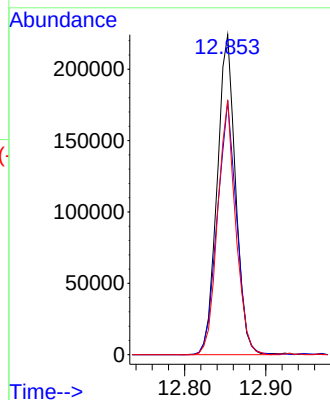
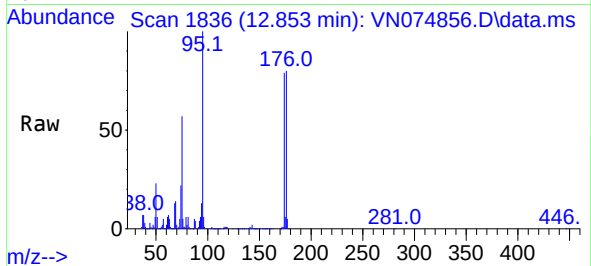




#62
4-Bromofluorobenzene
Concen: 33.485 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

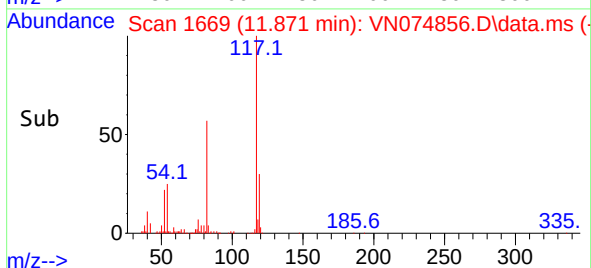
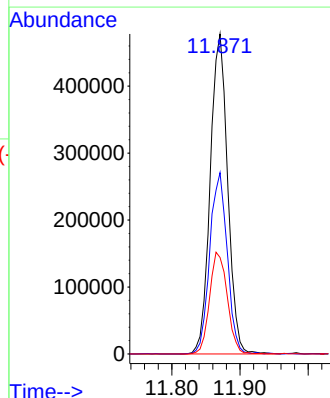
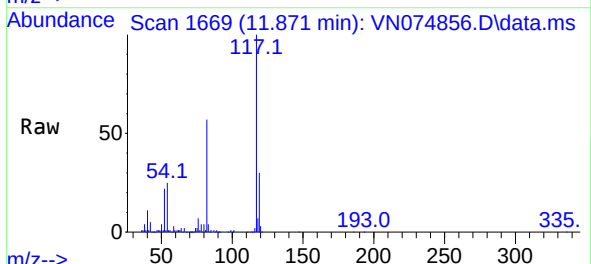
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#05

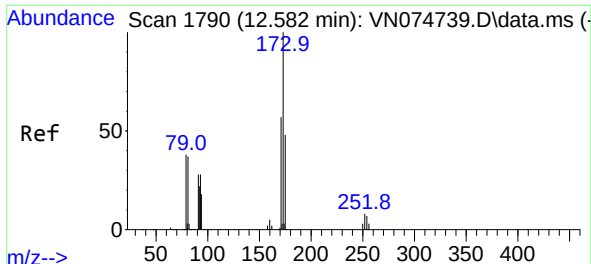
Tgt Ion: 95 Resp: 354066
Ion Ratio Lower Upper
95 100
174 82.5 0.0 149.4
176 77.7 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Tgt Ion: 117 Resp: 850841
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.2
119 30.1 25.1 37.7

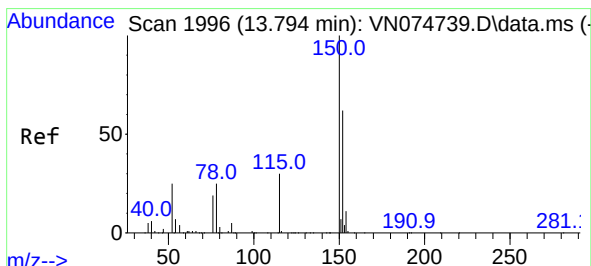
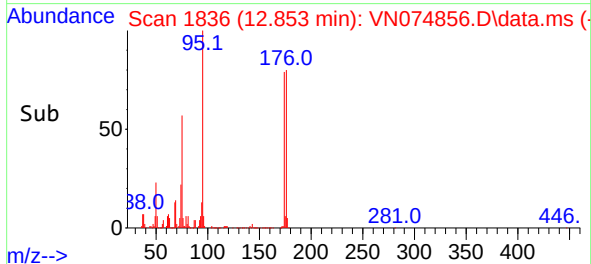
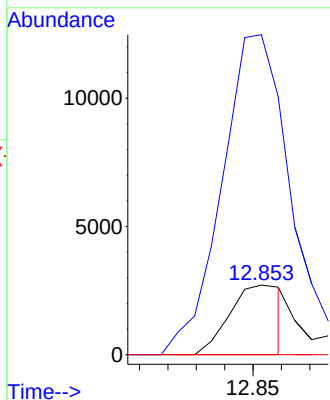
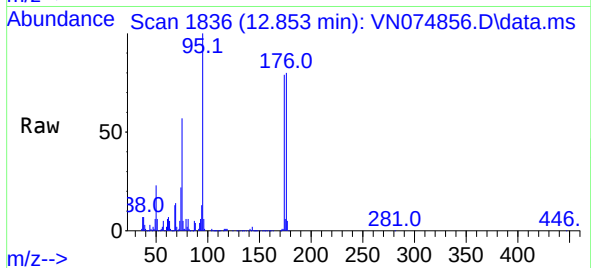




#71
Bromoform
Concen: 0.481 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

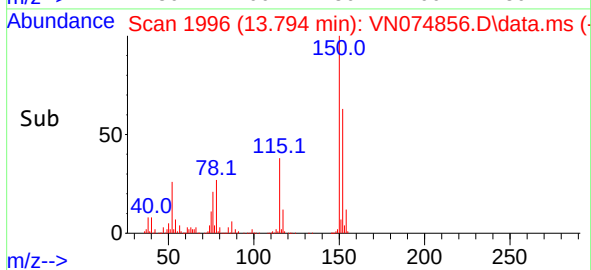
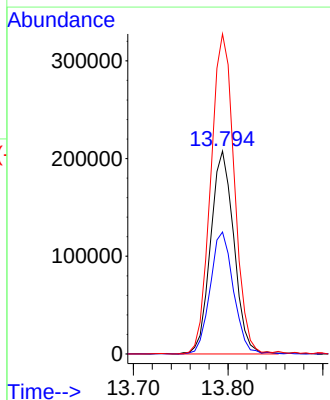
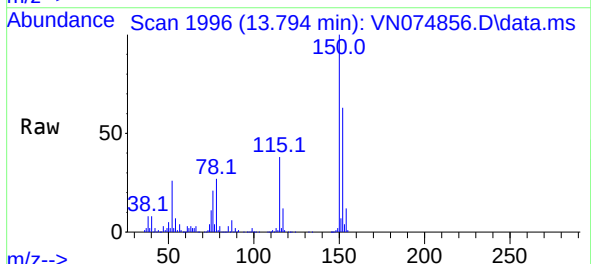
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#05

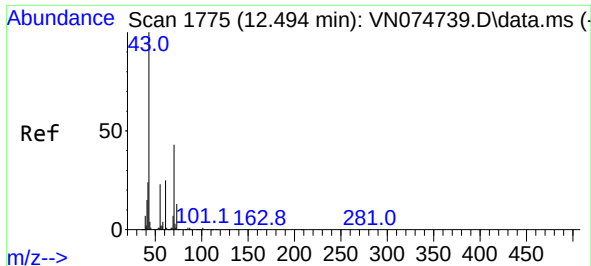
Tgt Ion:173 Resp: 3493
Ion Ratio Lower Upper
173 100
175 501.8 23.9 71.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Tgt Ion:152 Resp: 354492
Ion Ratio Lower Upper
152 100
115 60.1 30.0 90.0
150 160.1 0.0 356.4

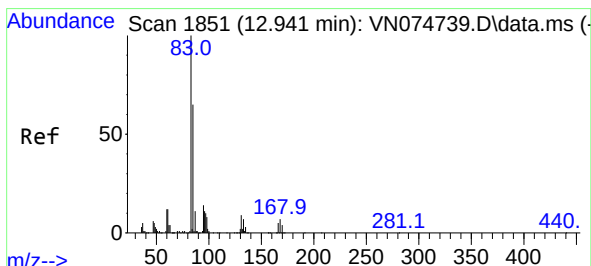
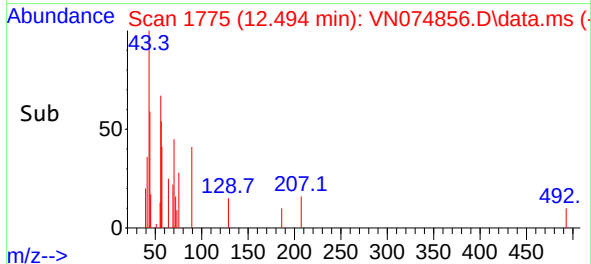
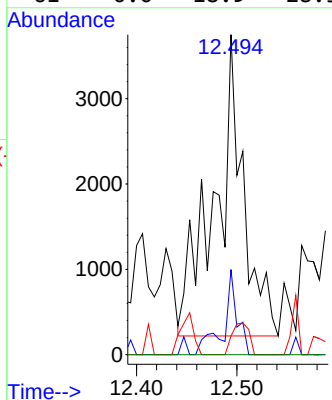
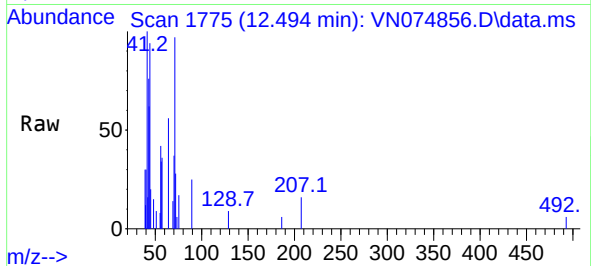




#74
N-amy1 acetate
Concen: 0.340 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

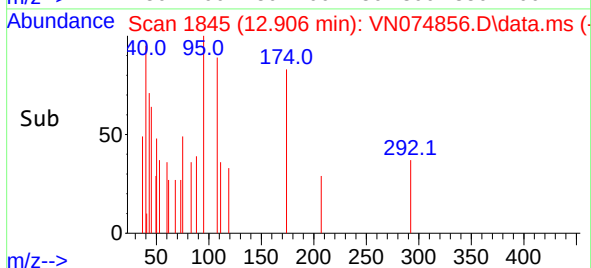
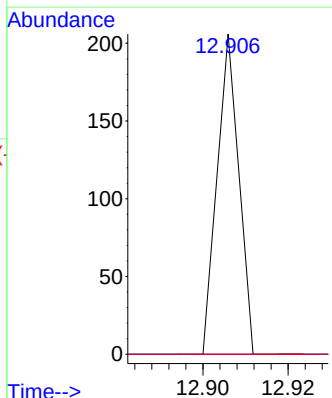
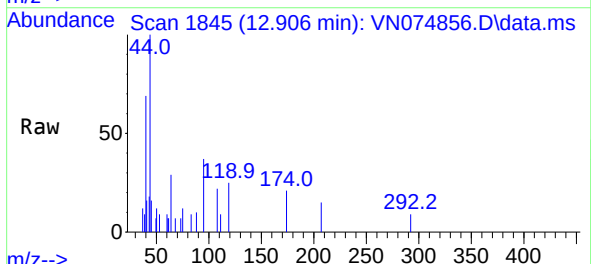
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#05

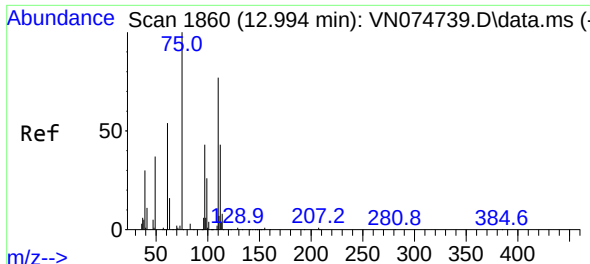
Tgt Ion:	43	Resp:	7006
Ion	Ratio	Lower	Upper
43	100		
70	9.4	32.9	49.3#
55	6.3	17.8	26.6#
61	0.0	18.9	28.3#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.906 min Scan# 1845
Delta R.T. -0.035 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Tgt Ion:	83	Resp:	73
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.3	12.8#
85	0.0	32.9	98.6#

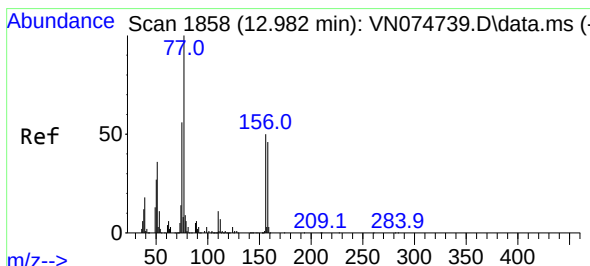
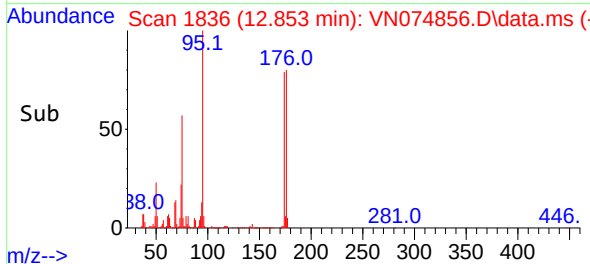
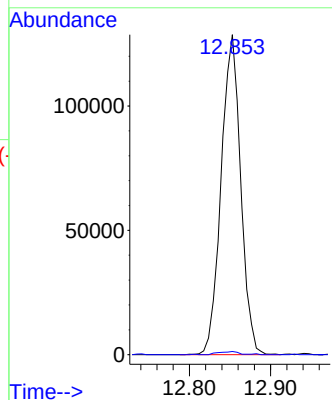
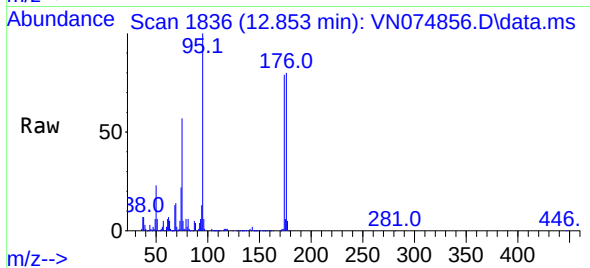




#76
1,2,3-Trichloropropane
Concen: 20.380 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

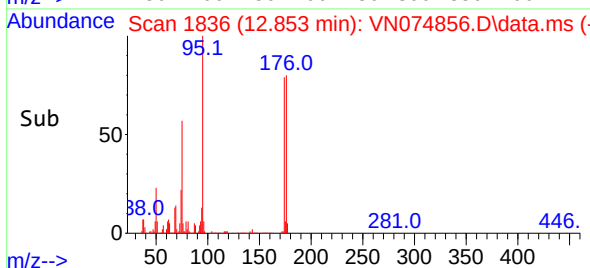
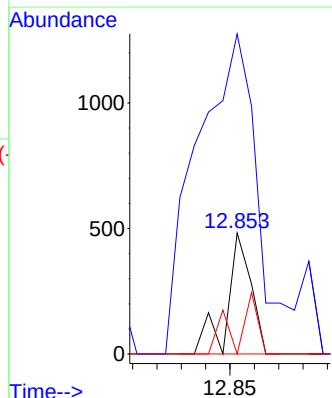
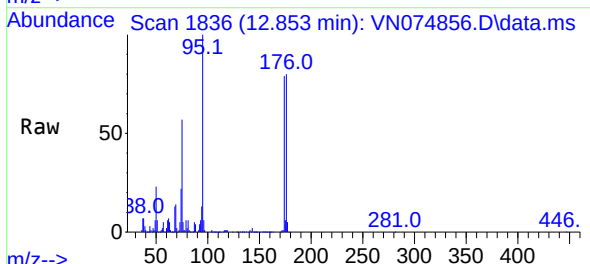
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#05

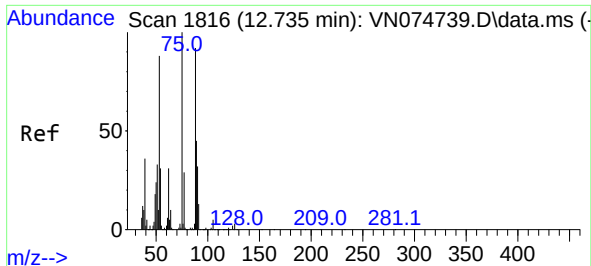
Tgt Ion: 75 Resp: 215633
Ion Ratio Lower Upper
75 100
77 1.0 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.853 min Scan# 1836
Delta R.T. -0.129 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Tgt Ion:156 Resp: 327
Ion Ratio Lower Upper
156 100
77 676.8 124.7 374.1#
158 19.0 48.3 144.9#

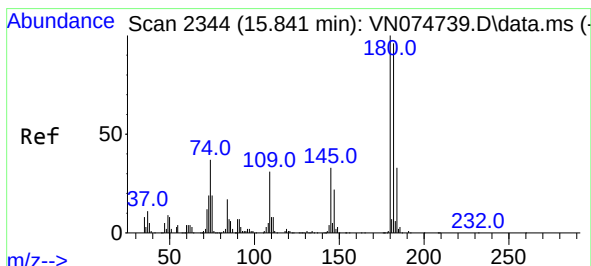
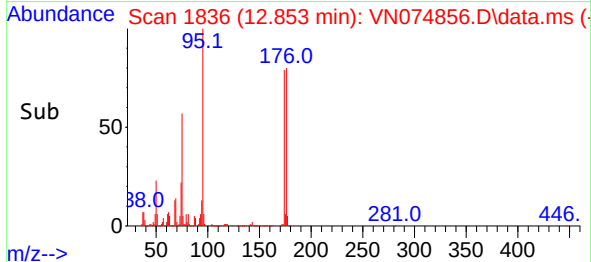
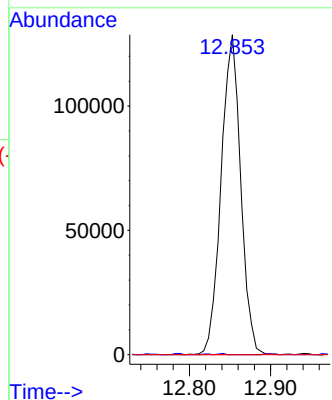
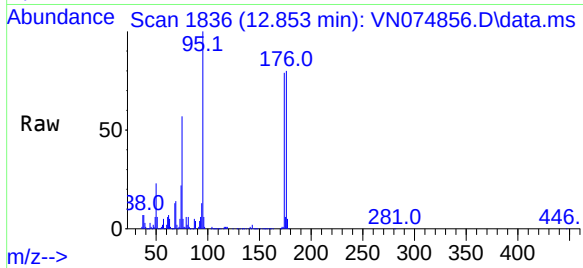




#81
trans-1,4-Dichloro-2-butene
Concen: 39.708 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN074856.D
Acq: 11 Oct 2022 19:02

Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#05

Tgt Ion: 75 Resp: 215633
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.0#
89 0.0 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: VN074856.D
Acq: 11 Oct 2022 19:02

Tgt Ion:180 Resp: 338
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 21.9 17.1 51.2

