

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121922\
 Data File : VN075873.D
 Acq On : 19 Dec 2022 15:58
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 01:30:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

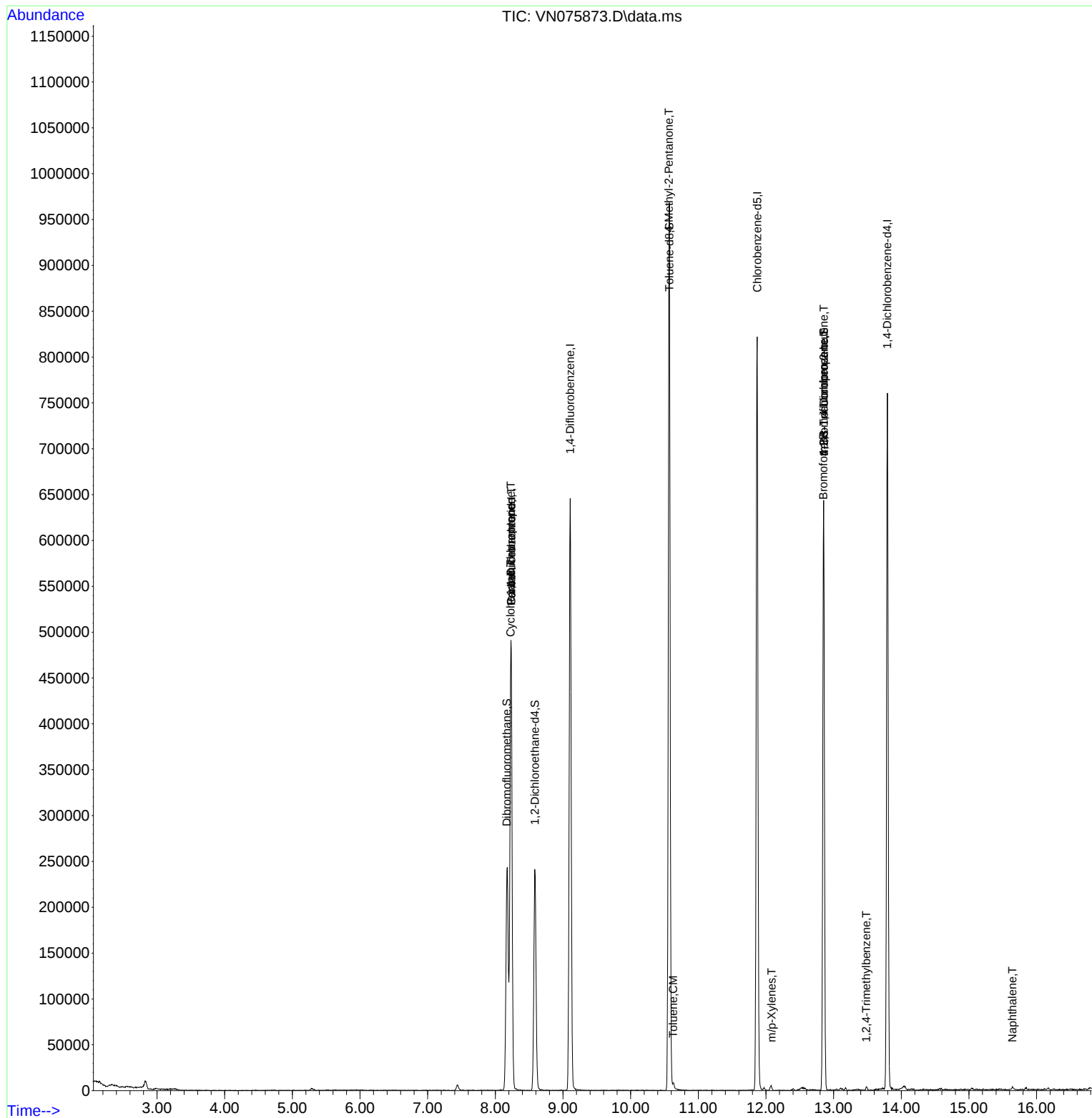
Internal Standards						
1) Pentafluorobenzene	8.236	168	387668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	599924	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	515226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	212736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	195360	46.322	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.640%		
35) Dibromofluoromethane	8.171	113	176255	47.441	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.880%		
50) Toluene-d8	10.571	98	688405	49.558	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.120%		
62) 4-Bromofluorobenzene	12.853	95	216598	47.078	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.160%		
Target Compounds						
					Qvalue	
20) Methylene Chloride	5.289	84	1702	Below Cal	#	69
31) Cyclohexane	8.224	56	7715	1.277	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	27109	5.493	ug/l #	49
38) Carbon Tetrachloride	8.236	117	37591	6.805	ug/l #	15
51) 4-Methyl-2-Pentanone	10.565	43	2392	0.605	ug/l #	1
52) Toluene	10.629	92	2551	0.257	ug/l	87
68) m/p-Xylenes	12.082	106	1982	0.281	ug/l	82
71) Bromoform	12.847	173	1324	0.465	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	110647	25.802	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	110647	92.876	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.482	105	2590	0.203	ug/l	89
95) Naphthalene	15.641	128	3985	2.507	ug/l #	86

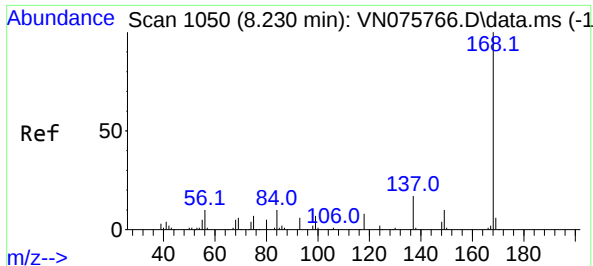
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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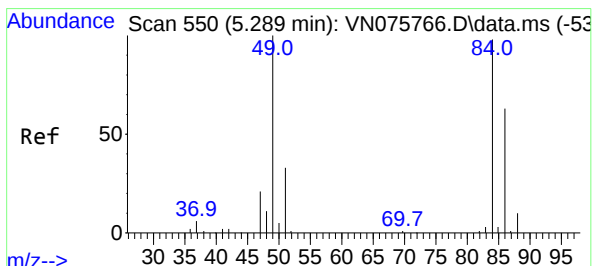
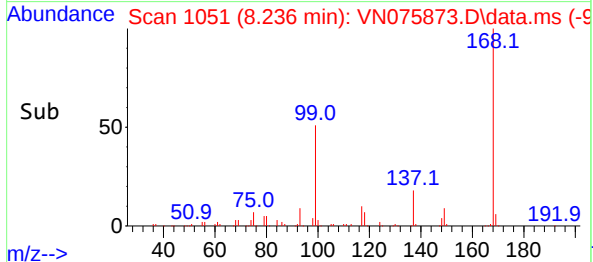
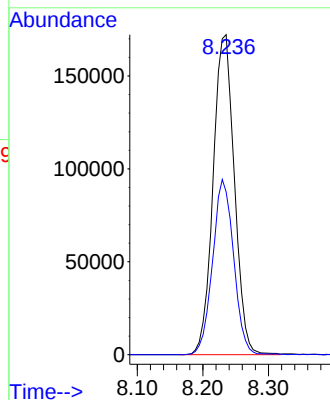
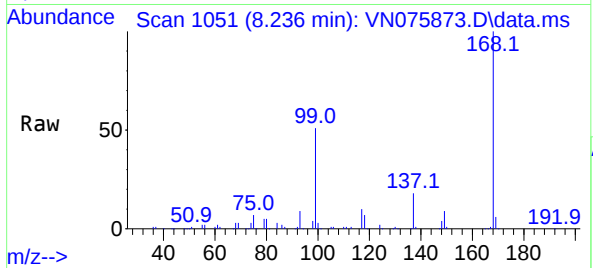




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

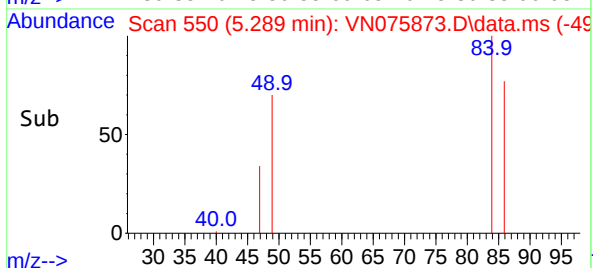
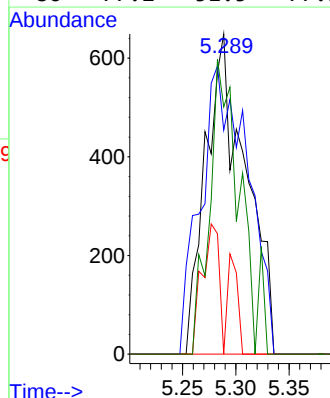
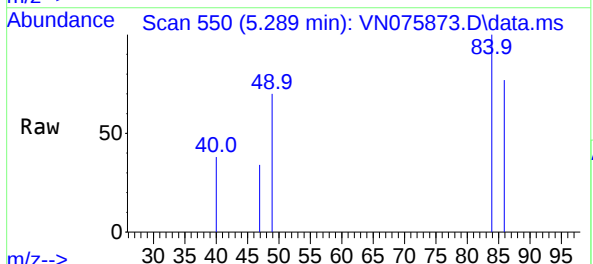
Instrument :
MSVOA_N
ClientSampleId :

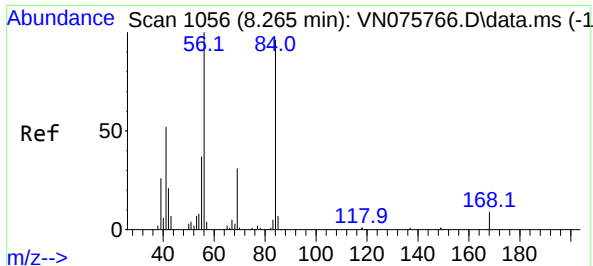
Tgt Ion:168 Resp: 387668
Ion Ratio Lower Upper
168 100
99 50.9 44.2 66.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

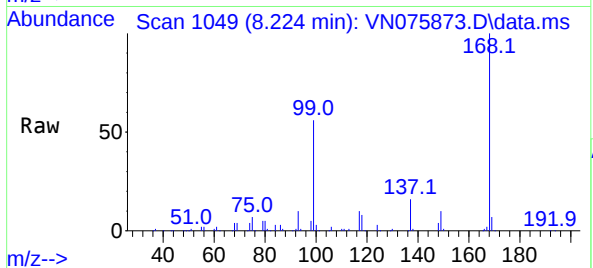
Tgt Ion: 84 Resp: 1702
Ion Ratio Lower Upper
84 100
49 70.0 81.8 122.6#
51 0.0 26.7 40.1#
86 77.2 51.5 77.3



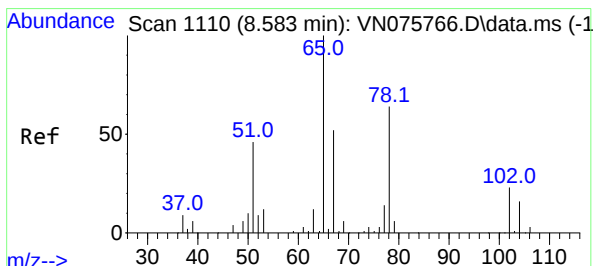
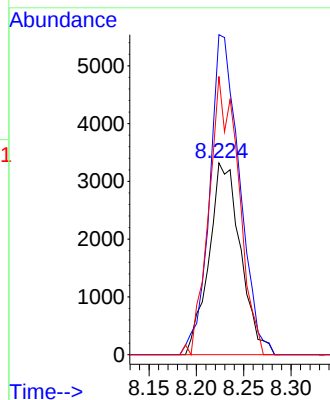
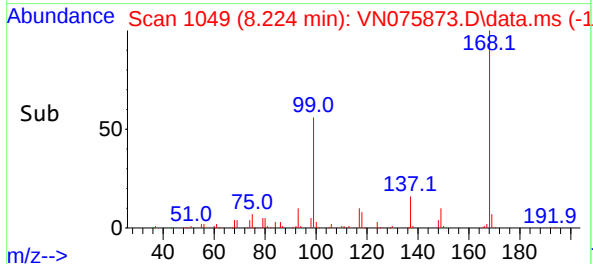


#31
Cyclohexane
Concen: 1.277 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.041 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :

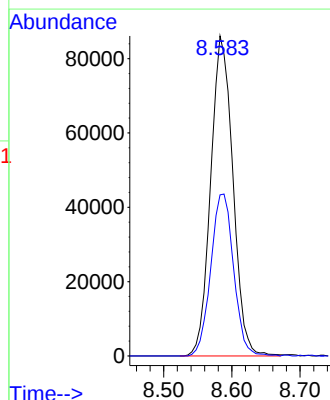
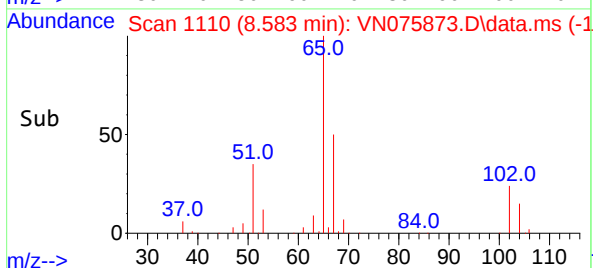
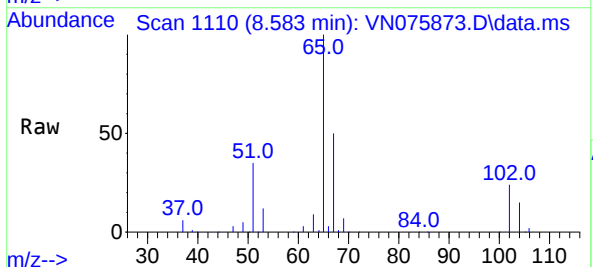


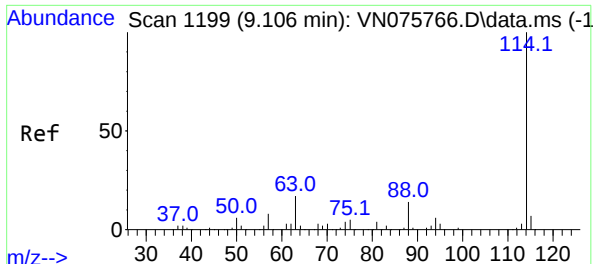
Tgt Ion: 56 Resp: 7715
Ion Ratio Lower Upper
56 100
69 166.9 24.7 37.1#
84 145.2 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 46.322 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

Tgt Ion: 65 Resp: 195360
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

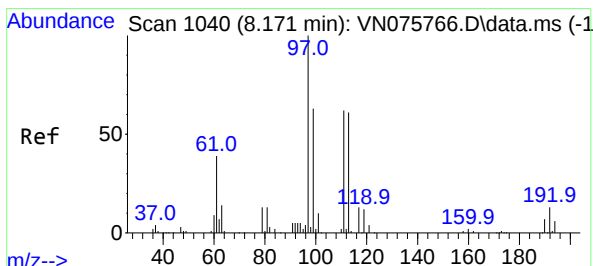
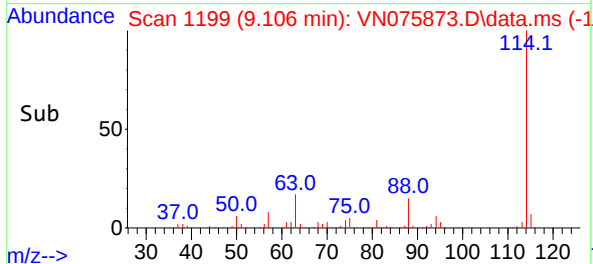
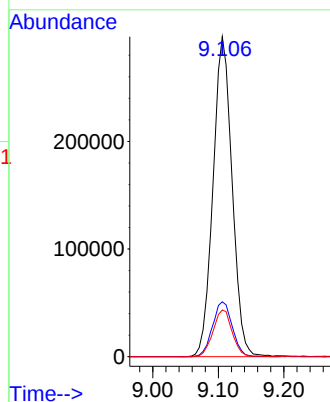
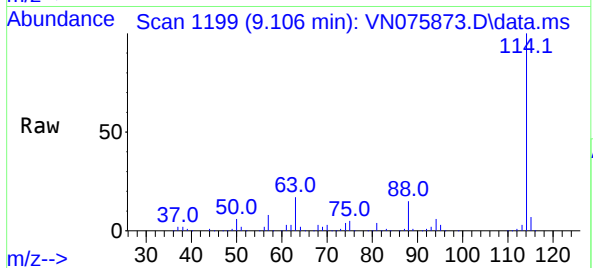




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

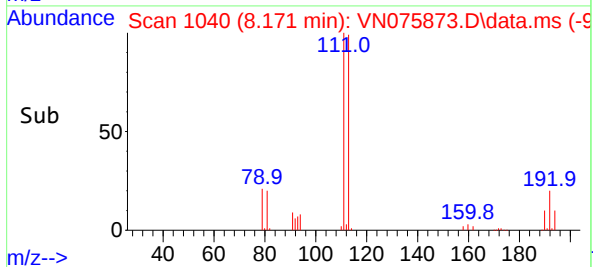
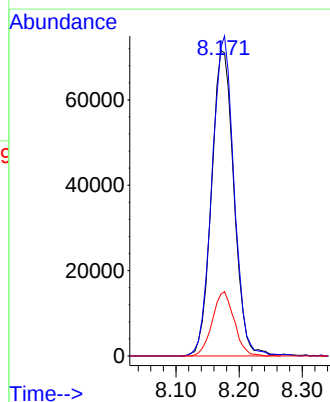
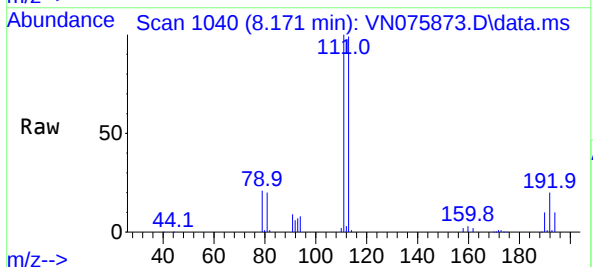
Instrument :
MSVOA_N
ClientSampleId :

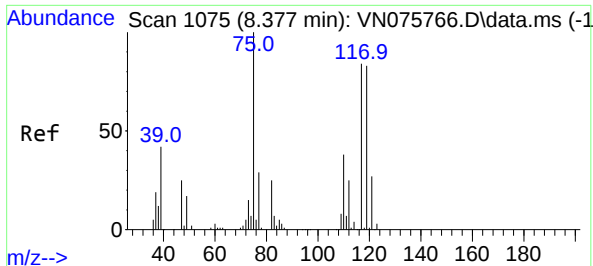
Tgt Ion:114 Resp: 599924
Ion Ratio Lower Upper
114 100
63 17.2 0.0 34.4
88 14.6 0.0 28.8



#35
Dibromofluoromethane
Concen: 47.441 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

Tgt Ion:113 Resp: 176255
Ion Ratio Lower Upper
113 100
111 103.3 83.4 125.2
192 20.5 16.1 24.1

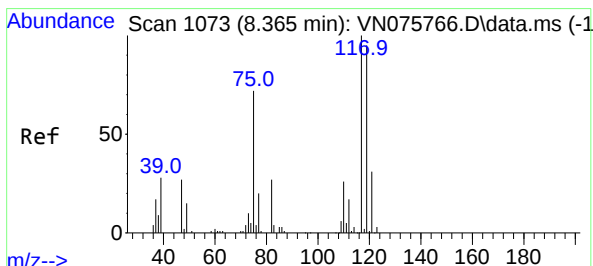
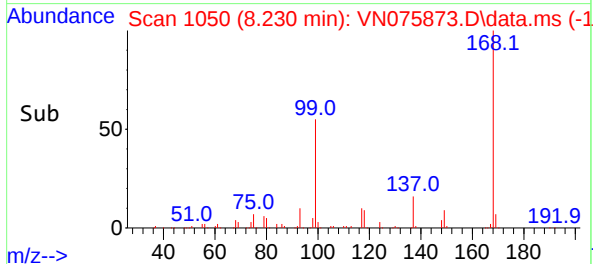
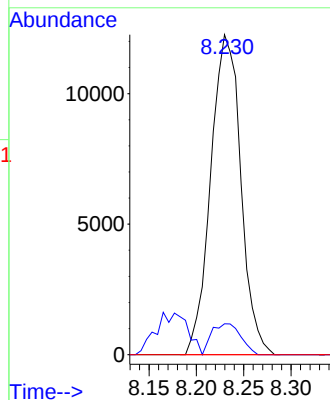
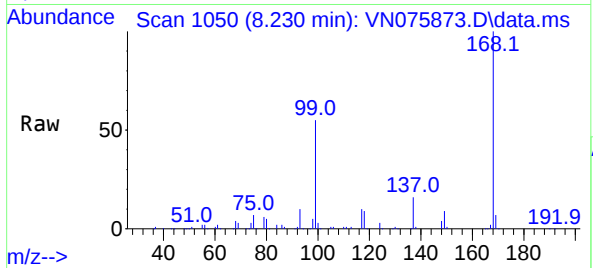




#36
1,1-Dichloropropene
Concen: 5.493 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

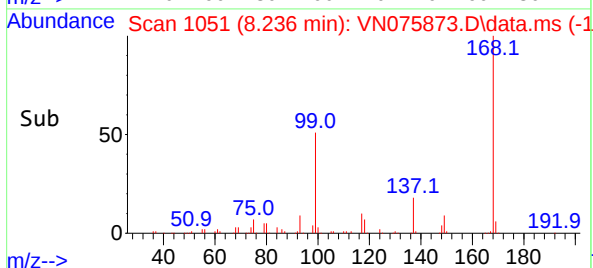
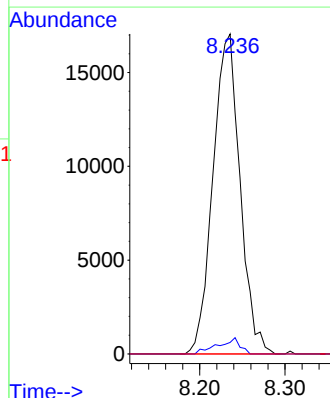
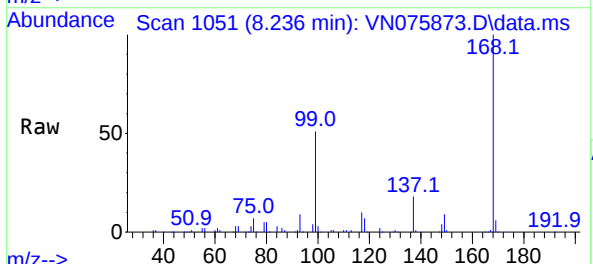
Instrument :
MSVOA_N
ClientSampleId :

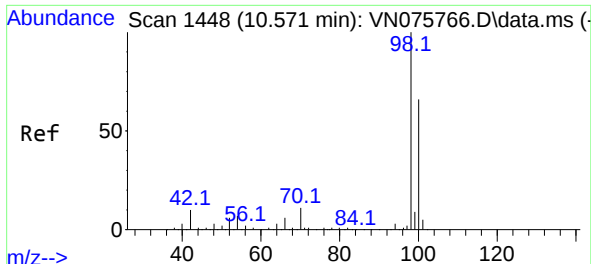
Tgt Ion: 75 Resp: 27109
Ion Ratio Lower Upper
75 100
110 9.4 18.8 56.4#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 6.805 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

Tgt Ion: 117 Resp: 37591
Ion Ratio Lower Upper
117 100
119 3.6 76.1 114.1#
121 0.0 24.5 36.7#

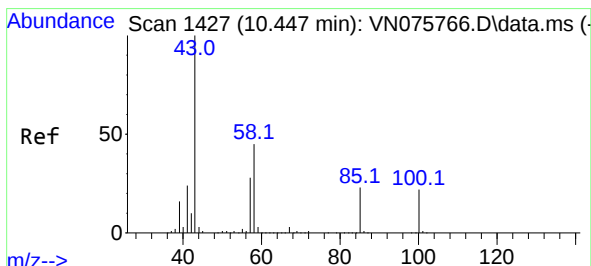
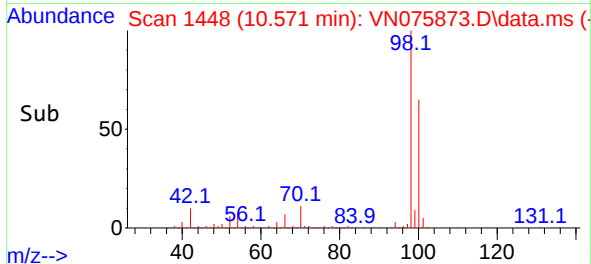
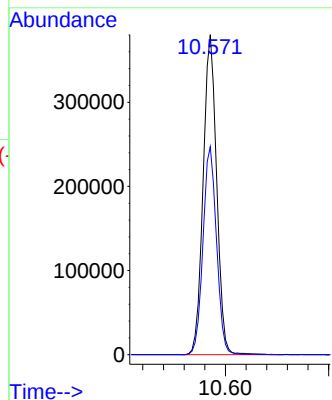
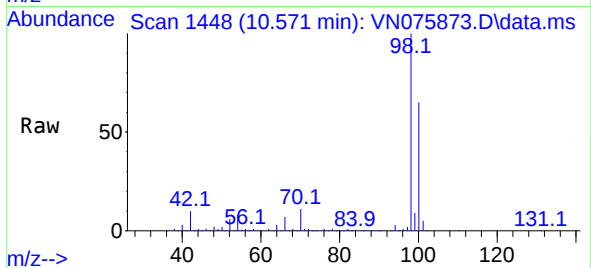




#50
Toluene-d8
Concen: 49.558 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

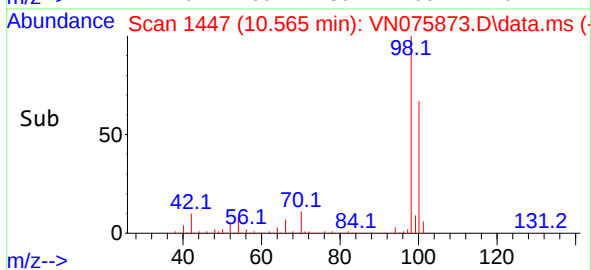
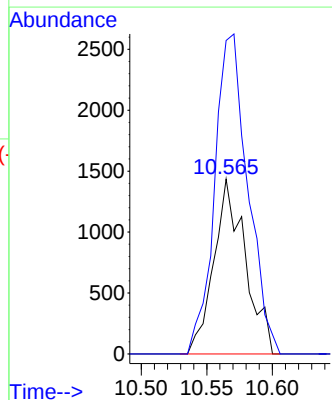
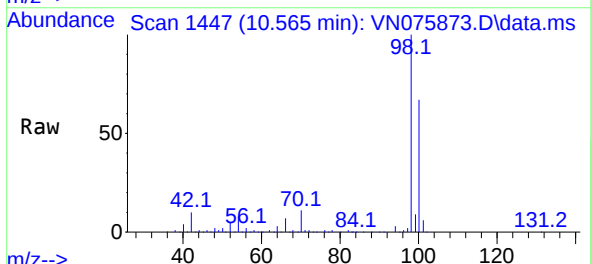
Instrument :
MSVOA_N
ClientSampleId :

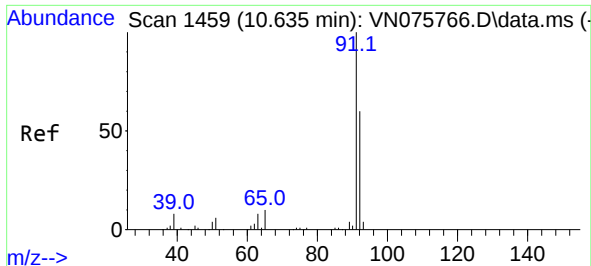
Tgt Ion: 98 Resp: 688405
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.605 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

Tgt Ion: 43 Resp: 2392
Ion Ratio Lower Upper
43 100
58 193.4 35.5 53.3#

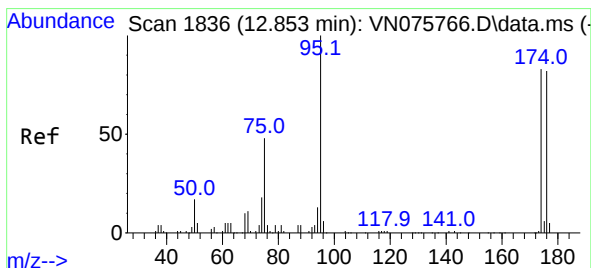
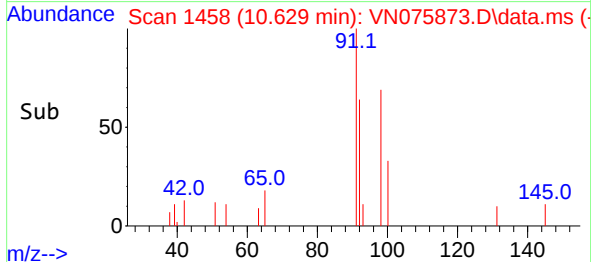
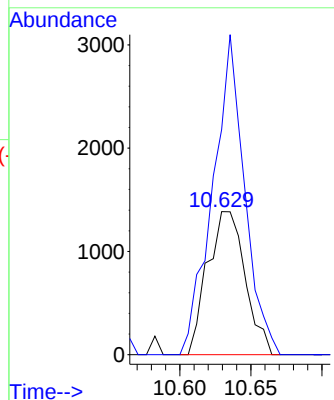
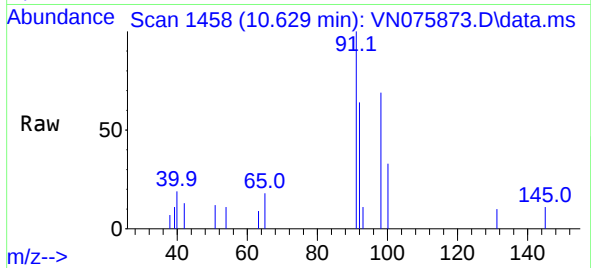




#52
Toluene
Concen: 0.257 ug/l
RT: 10.629 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

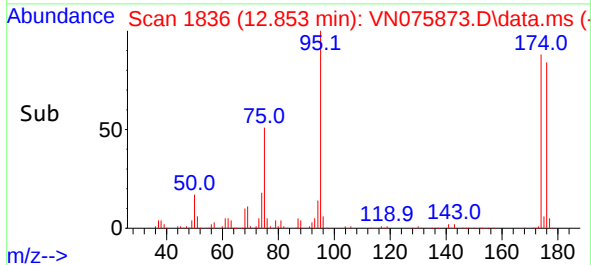
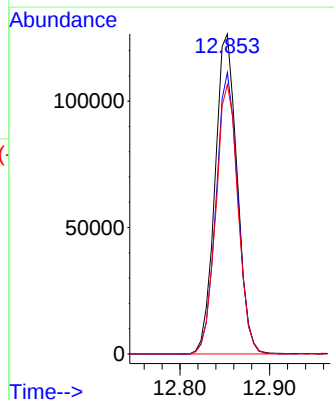
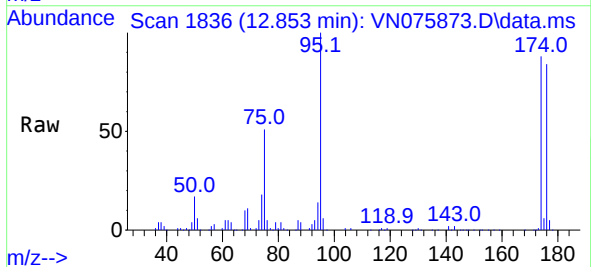
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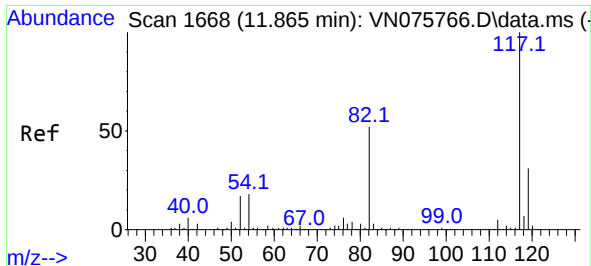
Tgt Ion: 92 Resp: 2551
Ion Ratio Lower Upper
92 100
91 189.7 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 47.078 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

Tgt Ion: 95 Resp: 216598
Ion Ratio Lower Upper
95 100
174 87.0 0.0 171.6
176 84.4 0.0 169.2

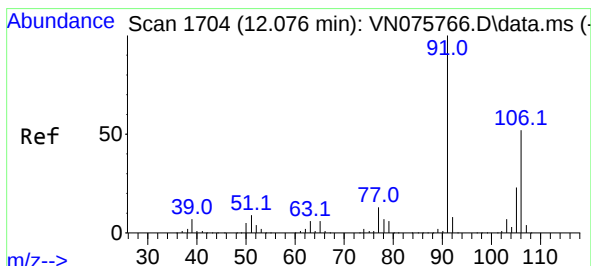
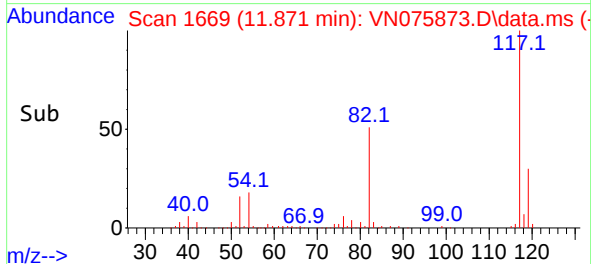
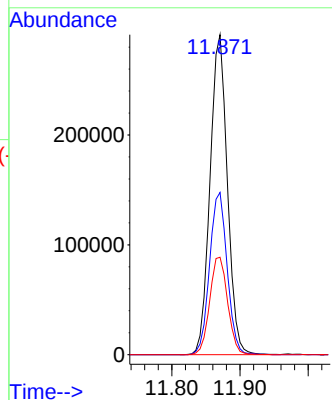
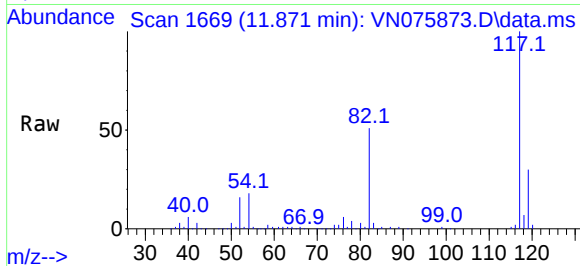




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

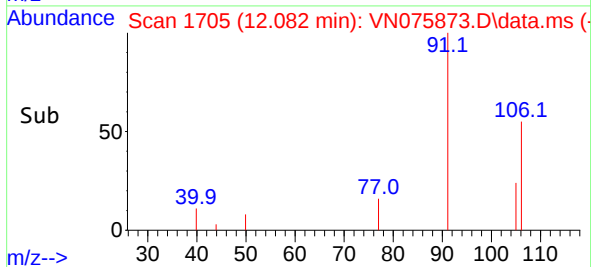
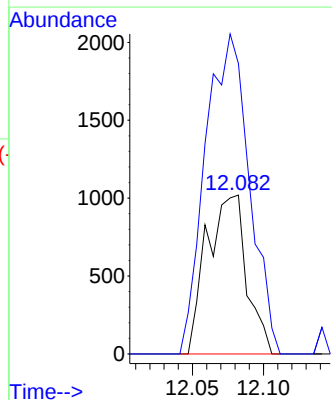
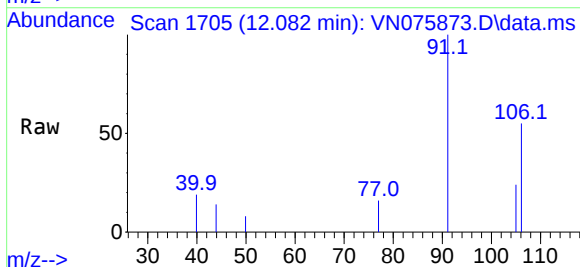
Instrument :
MSVOA_N
ClientSampleId :

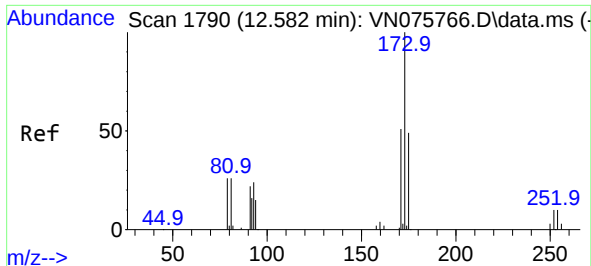
Tgt Ion:117 Resp: 515226
Ion Ratio Lower Upper
117 100
82 50.7 41.3 61.9
119 30.5 24.6 37.0



#68
m/p-Xylenes
Concen: 0.281 ug/l
RT: 12.082 min Scan# 1705
Delta R.T. 0.006 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

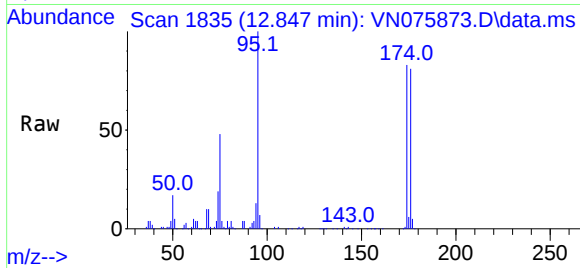
Tgt Ion:106 Resp: 1982
Ion Ratio Lower Upper
106 100
91 222.9 156.6 235.0



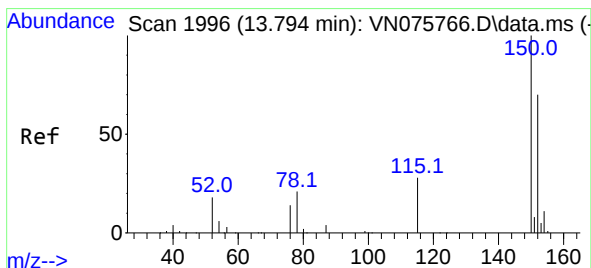
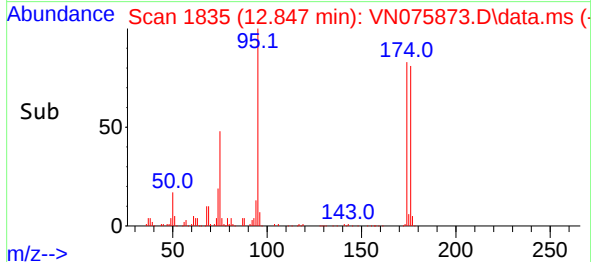
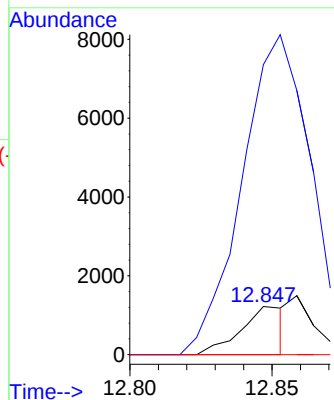


#71
Bromoform
Concen: 0.465 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :

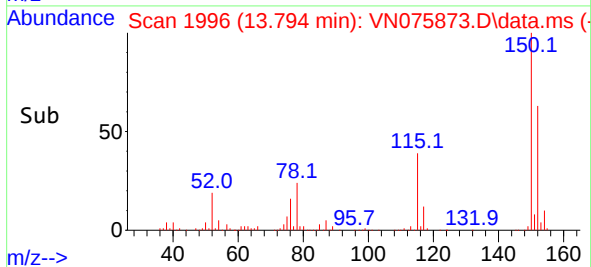
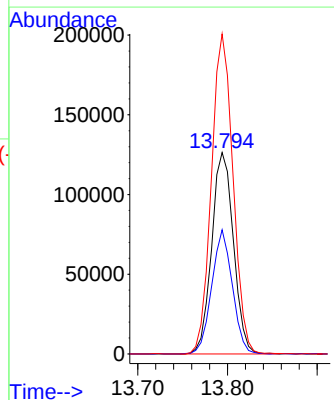
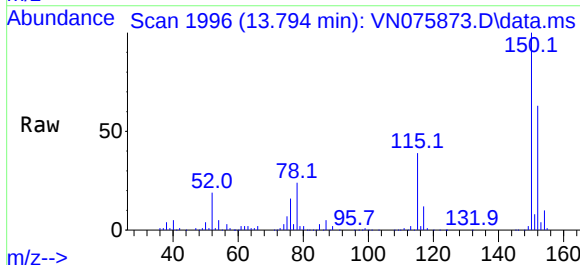


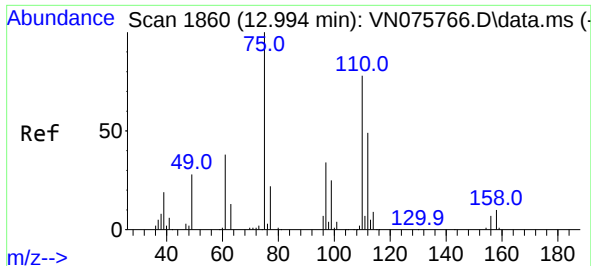
Tgt Ion:173 Resp: 1324
Ion Ratio Lower Upper
173 100
175 847.4 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

Tgt Ion:152 Resp: 212736
Ion Ratio Lower Upper
152 100
115 58.4 29.1 87.4
150 157.8 0.0 347.0

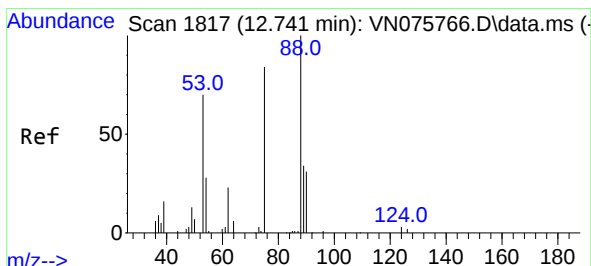
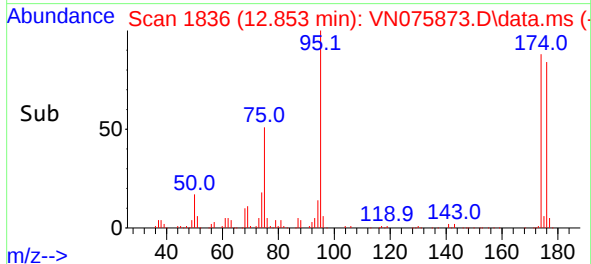
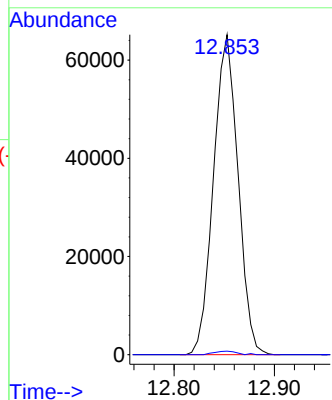
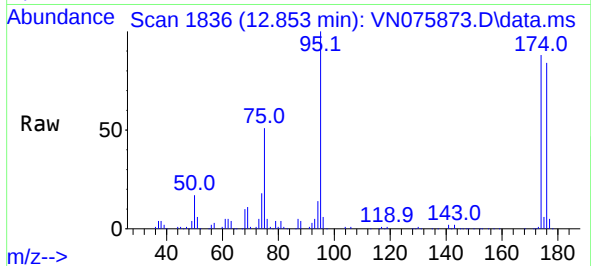




#76
1,2,3-Trichloropropane
Concen: 25.802 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

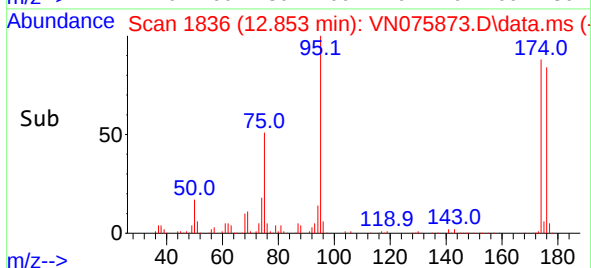
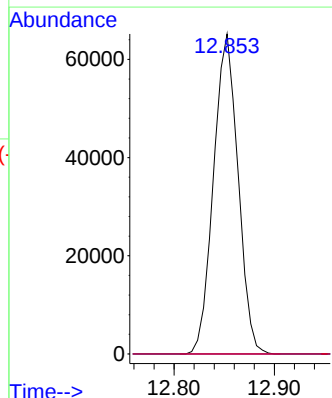
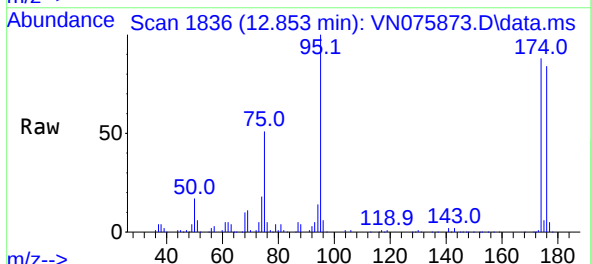
Instrument :
MSVOA_N
ClientSampleId :

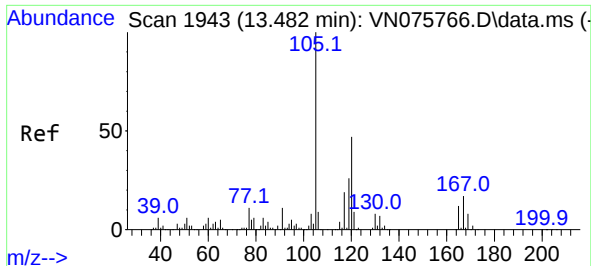
Tgt Ion: 75 Resp: 110647
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.876 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

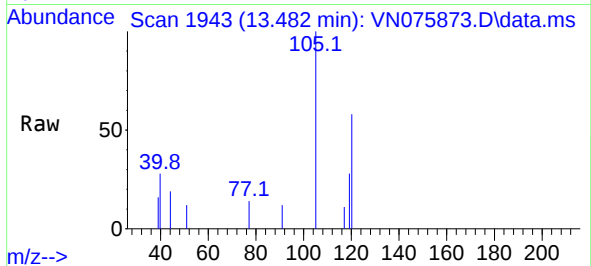
Tgt Ion: 75 Resp: 110647
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



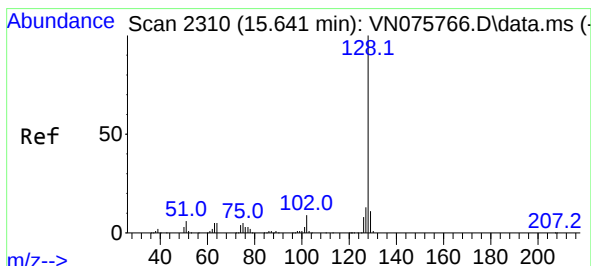
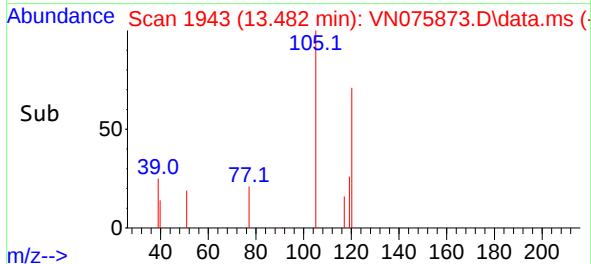
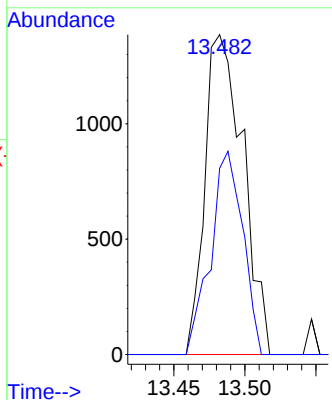


#84
1,2,4-Trimethylbenzene
Concen: 0.203 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:105 Resp: 2590
Ion Ratio Lower Upper
105 100
120 53.7 23.3 69.8



#95
Naphthalene
Concen: 2.507 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075873.D
Acq: 19 Dec 2022 15:58

Tgt Ion:128 Resp: 3985
Ion Ratio Lower Upper
128 100
127 5.8 10.4 15.6#
129 7.7 8.7 13.1#

