

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100722\
 Data File : VN074822.D
 Acq On : 07 Oct 2022 19:33
 Operator : JC\MD
 Sample : N4974-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 257248-6

Quant Time: Oct 08 03:56:43 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)

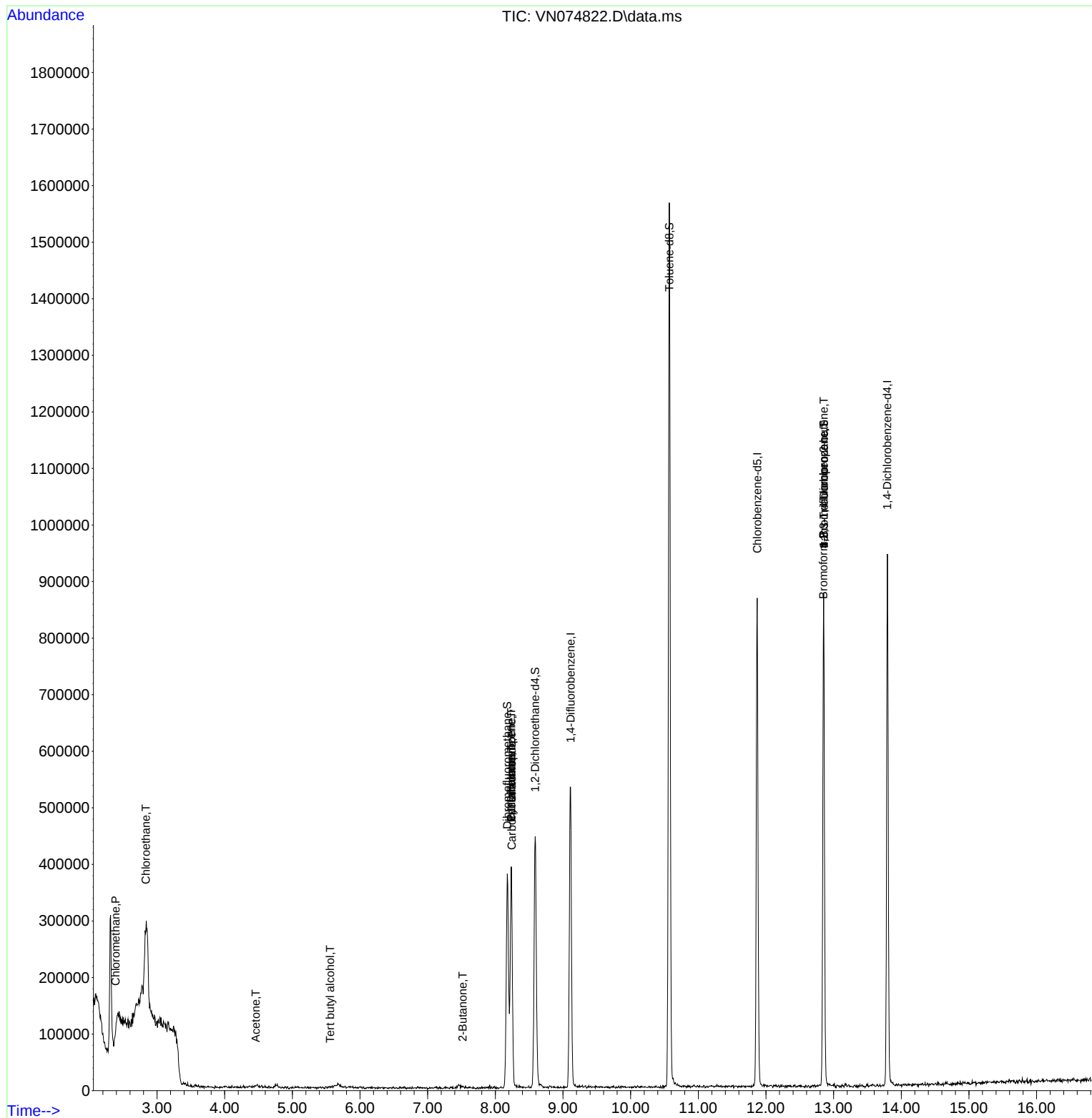
Internal Standards						
1) Pentafluorobenzene	8.236	168	263162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	470941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	468796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	226196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	333934	53.555	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 107.100%		
35) Dibromofluoromethane	8.177	113	258052	54.233	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 108.460%		
50) Toluene-d8	10.571	98	1063279	52.079	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 104.160%		
62) 4-Bromofluorobenzene	12.853	95	266645	42.963	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 85.920%		
Target Compounds						
						Qvalue
3) Chloromethane	2.389	50	2045	0.255	ug/l #	84
6) Chloroethane	2.836	64	256716	34.915	ug/l #	54
11) Tert butyl alcohol	5.559	59	684	0.328	ug/l #	92
13) Acrolein	4.195	56	271	Below Cal		91
16) Acetone	4.459	43	3417	0.967	ug/l #	68
20) Methylene Chloride	5.306	84	339	Below Cal	#	28
25) 2-Butanone	7.518	43	1557	0.243	ug/l	96
31) Cyclohexane	8.236	56	8095	0.751	ug/l #	15
36) 1,1-Dichloropropene	8.236	75	25466	3.307	ug/l #	42
38) Carbon Tetrachloride	8.241	117	29896	4.116	ug/l #	23
71) Bromoform	12.847	173	2457	0.614	ug/l #	29
75) 1,1,2,2-Tetrachloroethane	12.935	83	77	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	155315	23.005	ug/l #	1
77) Bromobenzene	12.865	156	139	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	155315	44.822	ug/l #	14

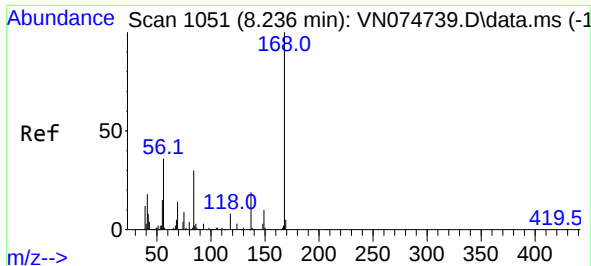
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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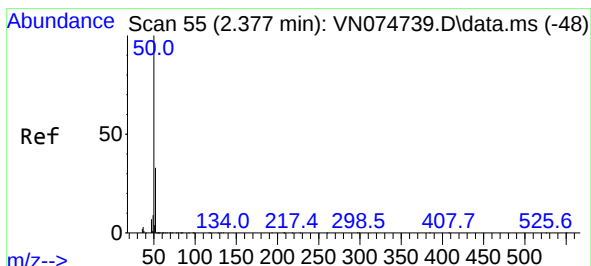
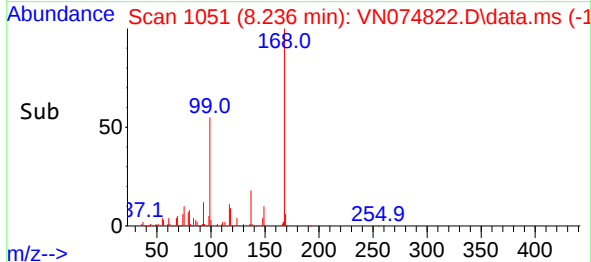
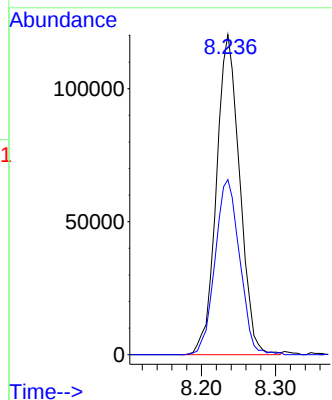
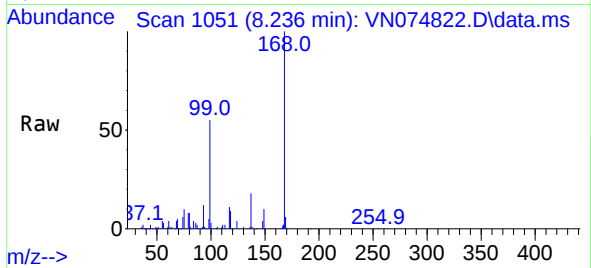




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

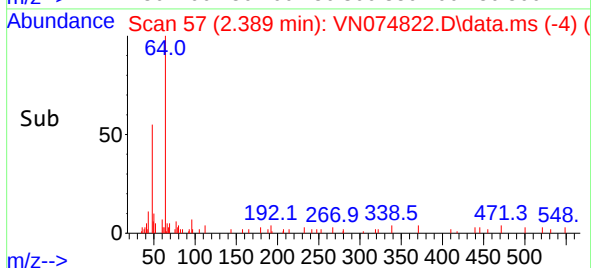
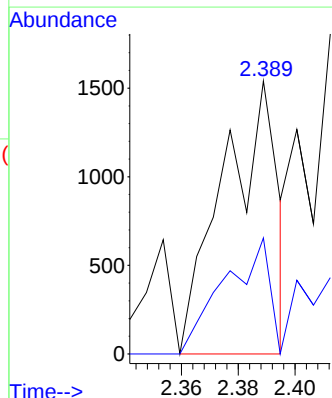
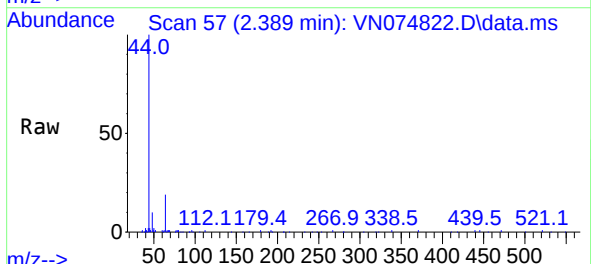
Instrument :
MSVOA_N
ClientSampleId :
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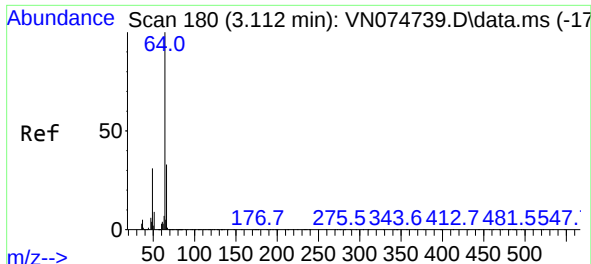
Tgt Ion:168 Resp: 263162
Ion Ratio Lower Upper
168 100
99 54.7 42.8 64.2



#3
Chloromethane
Concen: 0.255 ug/l
RT: 2.389 min Scan# 57
Delta R.T. 0.012 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

Tgt Ion: 50 Resp: 2045
Ion Ratio Lower Upper
50 100
52 42.5 26.7 40.1#

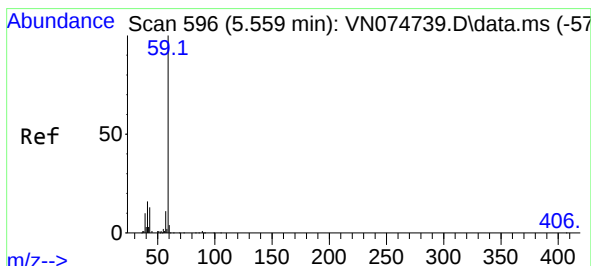
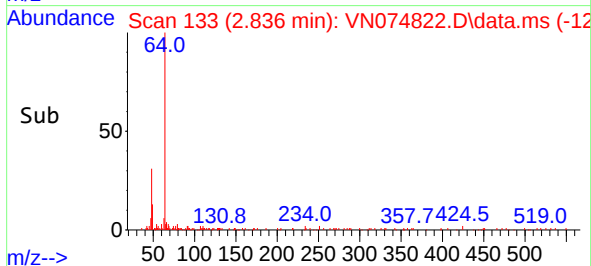
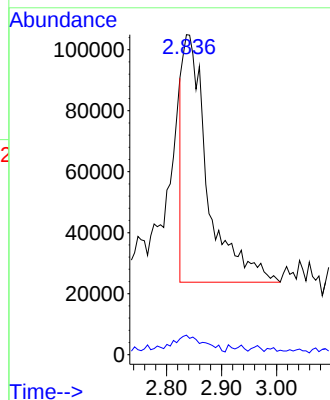
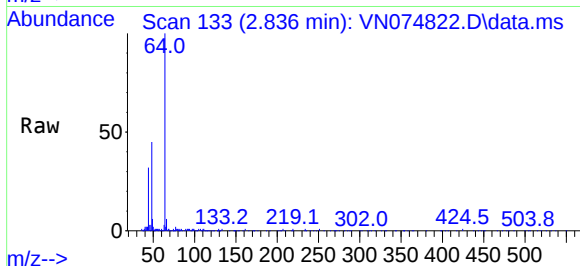




#6
Chloroethane
Concen: 34.915 ug/l
RT: 2.836 min Scan# 11
Delta R.T. -0.277 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

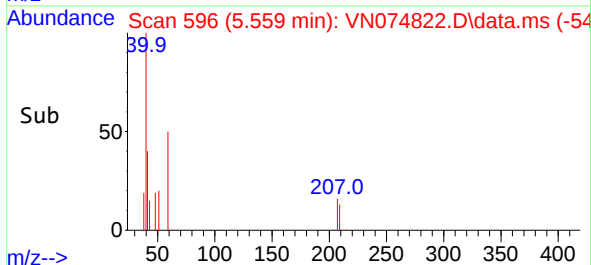
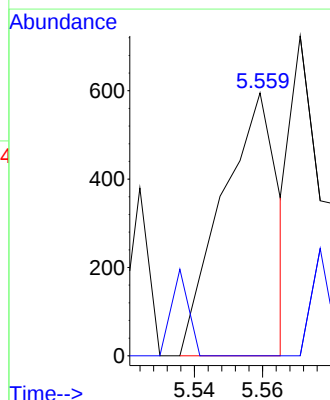
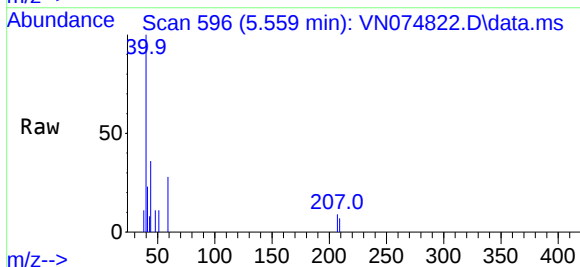
Instrument :
MSVOA_N
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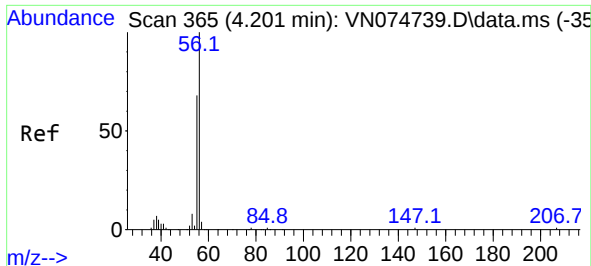
Tgt Ion: 64 Resp: 256716
Ion Ratio Lower Upper
64 100
66 6.1 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.328 ug/l
RT: 5.559 min Scan# 596
Delta R.T. -0.000 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

Tgt Ion: 59 Resp: 684
Ion Ratio Lower Upper
59 100
57 12.6 7.7 11.5#

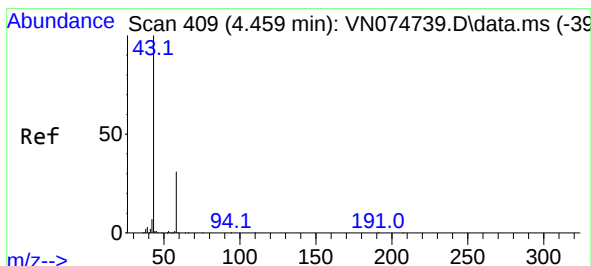
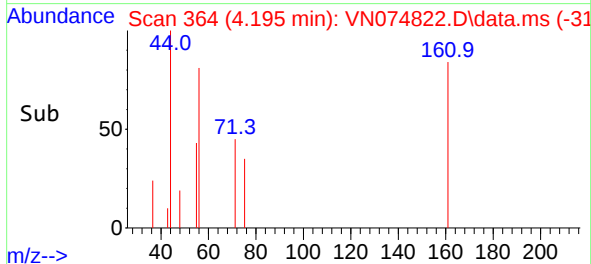
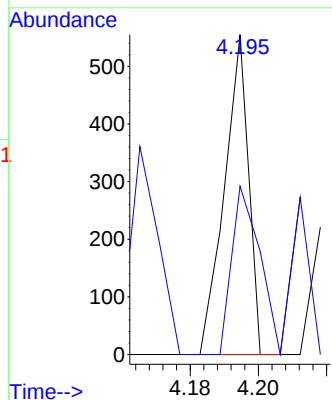
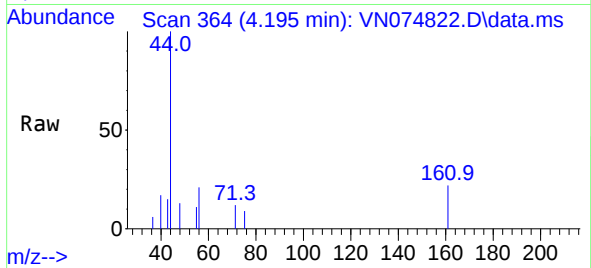




#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 30
Delta R.T. -0.006 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

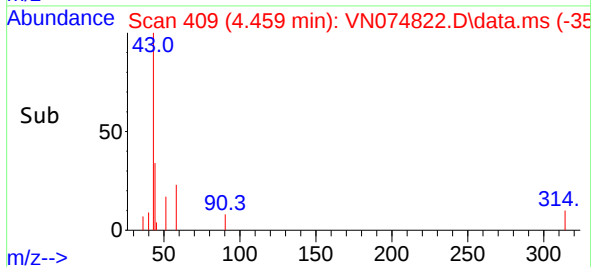
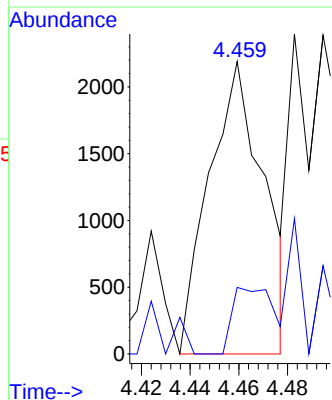
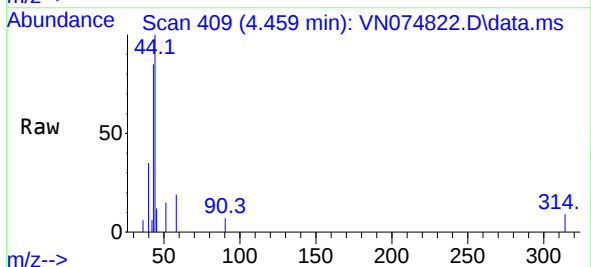
Instrument :
MSVOA_N
ClientSampleId :
257248-6

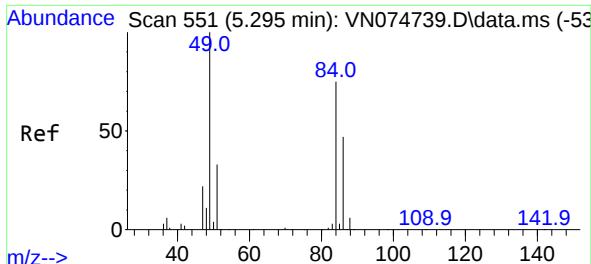
Tgt Ion: 56 Resp: 271
Ion Ratio Lower Upper
56 100
55 61.3 54.9 82.3



#16
Acetone
Concen: 0.967 ug/l
RT: 4.459 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

Tgt Ion: 43 Resp: 3417
Ion Ratio Lower Upper
43 100
58 13.4 24.9 37.3#

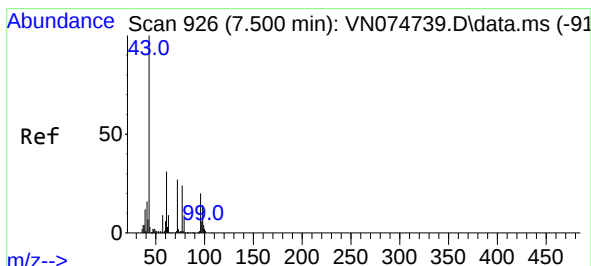
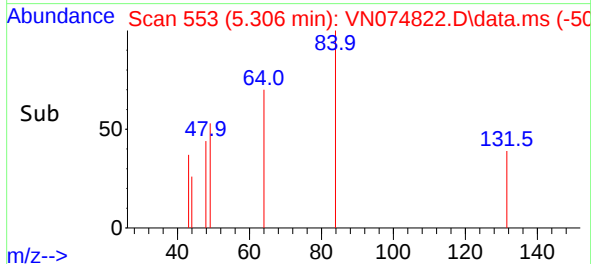
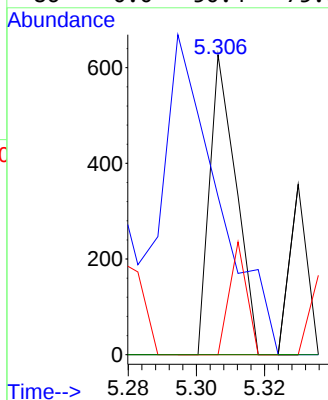
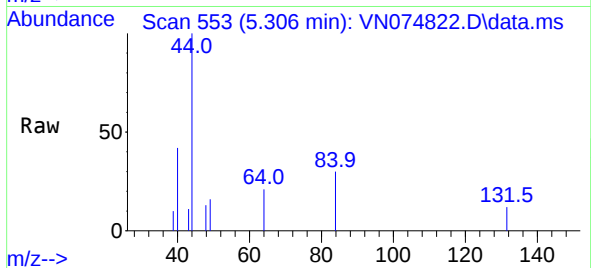




#20
Methylene Chloride
Concen: Below Cal
RT: 5.306 min Scan# 511
Delta R.T. 0.011 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

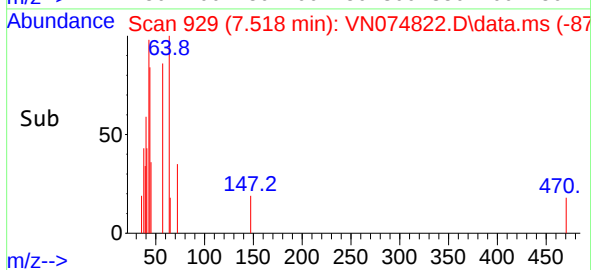
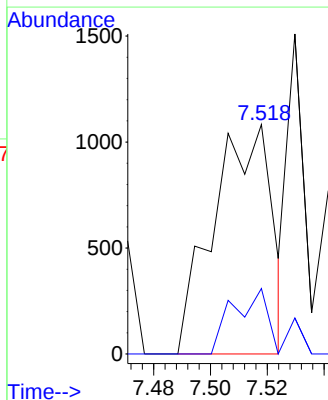
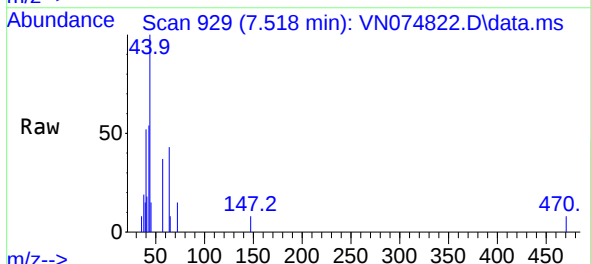
Instrument :
MSVOA_N
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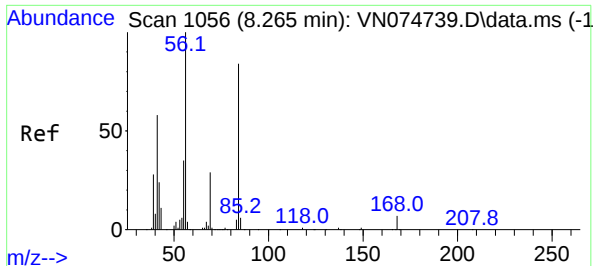
Tgt Ion:	84	Resp:	339
Ion	Ratio	Lower	Upper
84	100		
49	52.8	107.4	161.0#
51	0.0	35.1	52.7#
86	0.0	50.4	75.6#



#25
2-Butanone
Concen: 0.243 ug/l
RT: 7.518 min Scan# 929
Delta R.T. 0.018 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

Tgt Ion:	43	Resp:	1557
Ion	Ratio	Lower	Upper
43	100		
72	28.5	21.4	32.0

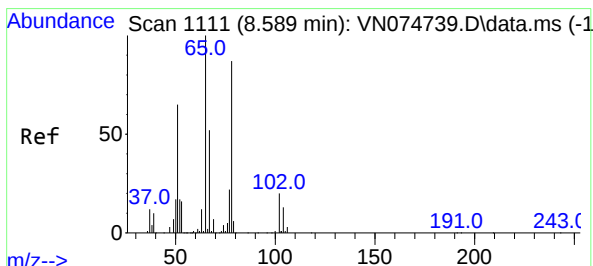
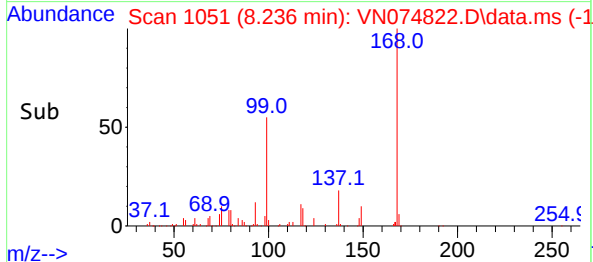
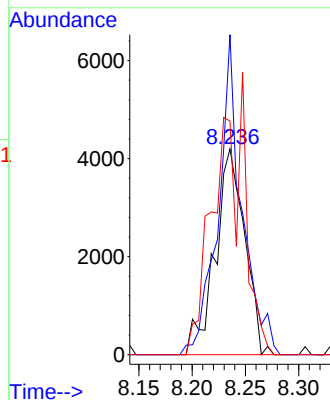
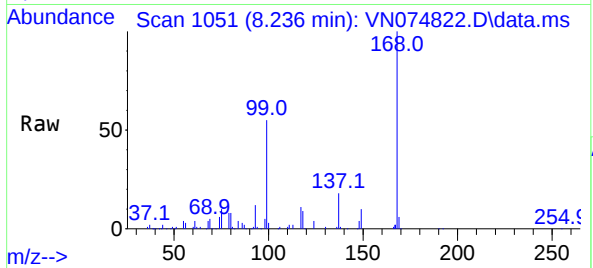




#31
Cyclohexane
Concen: 0.751 ug/l
RT: 8.236 min Scan# 1105
Delta R.T. -0.030 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

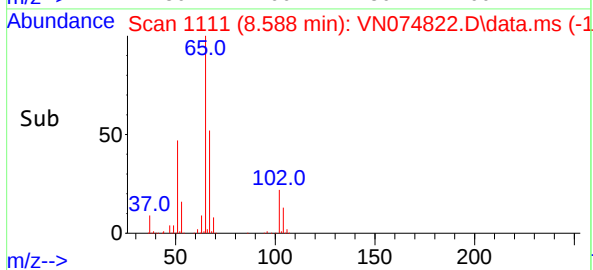
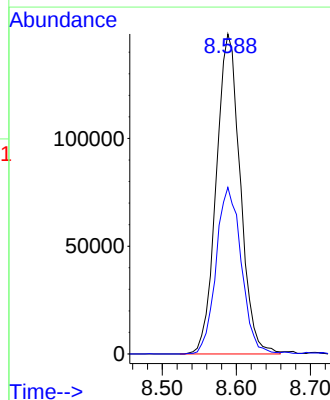
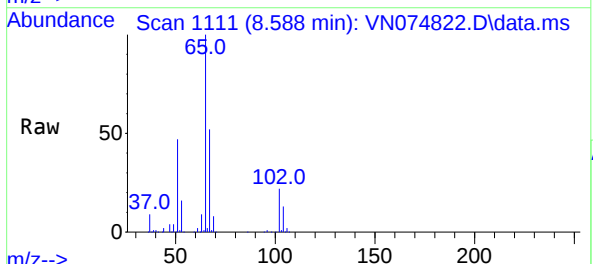
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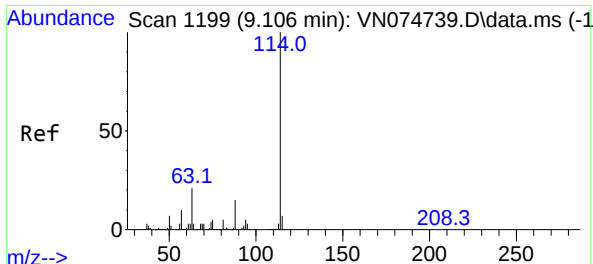
Tgt Ion: 56 Resp: 8095
Ion Ratio Lower Upper
56 100
69 155.6 23.1 34.7#
84 113.6 67.1 100.7#



#33
1,2-Dichloroethane-d4
Concen: 53.555 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

Tgt Ion: 65 Resp: 333934
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1199

Delta R.T. 0.006 min

Lab File: VN074822.D

Acq: 07 Oct 2022 19:33

Instrument :

MSVOA_N

ClientSampleId :

257248-6

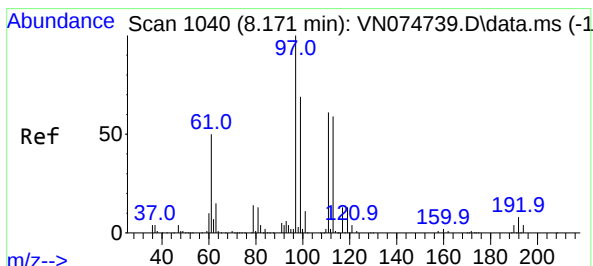
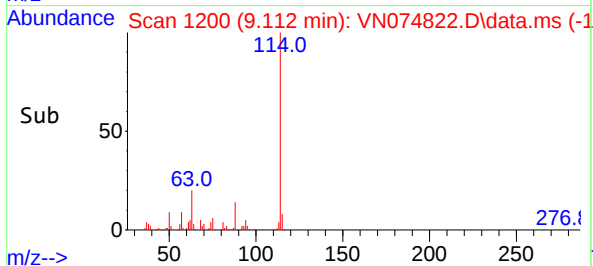
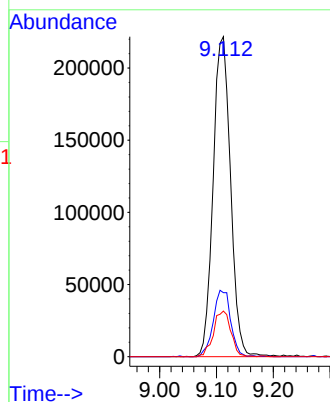
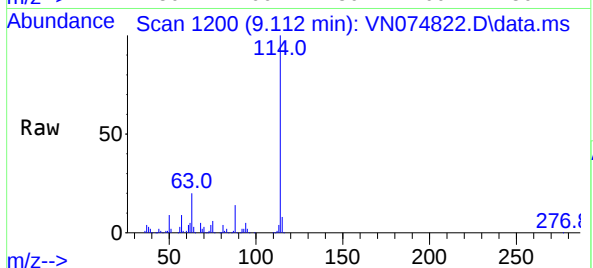
Tgt Ion:114 Resp: 470941

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.2

88 14.3 0.0 30.2



#35

Dibromofluoromethane

Concen: 54.233 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN074822.D

Acq: 07 Oct 2022 19:33

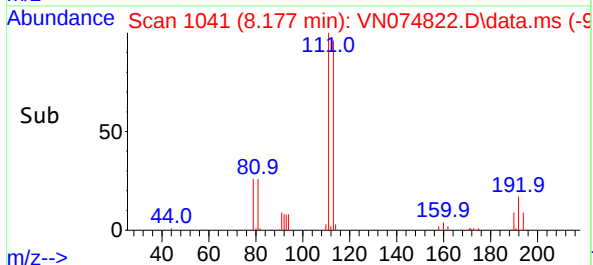
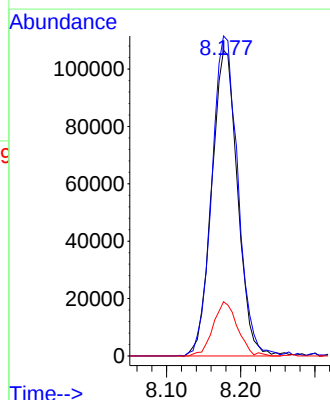
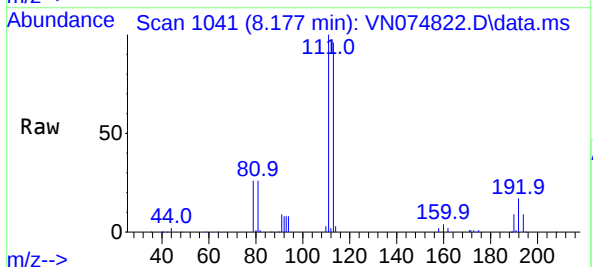
Tgt Ion:113 Resp: 258052

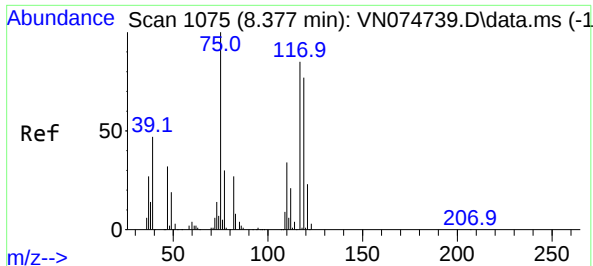
Ion Ratio Lower Upper

113 100

111 104.9 83.0 124.6

192 16.7 12.6 18.8

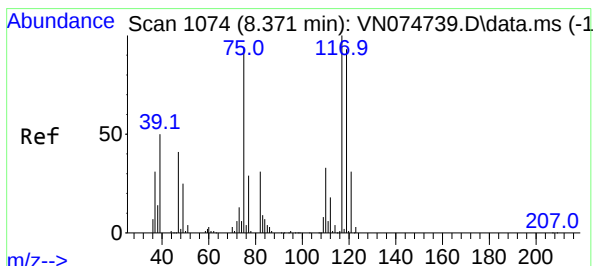
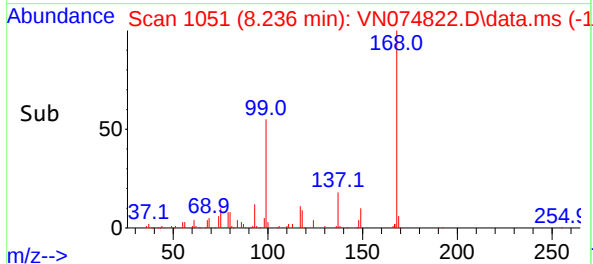
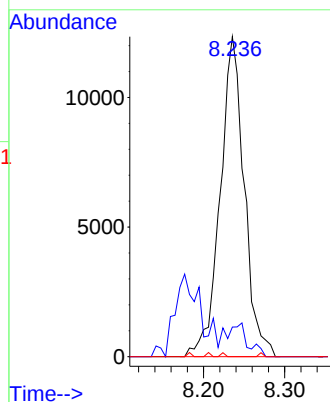
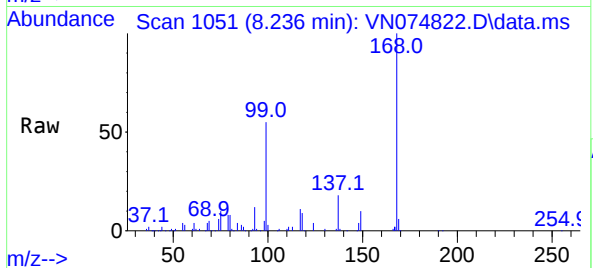




#36
1,1-Dichloropropene
Concen: 3.307 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

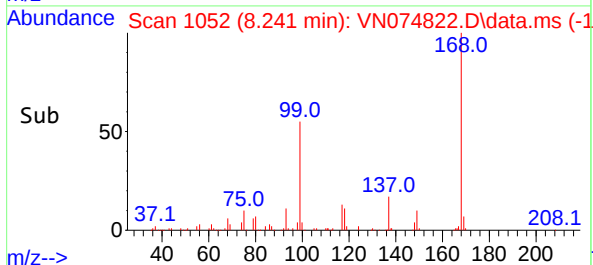
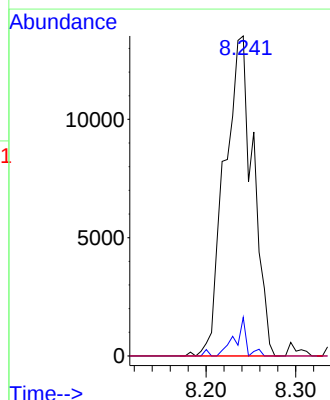
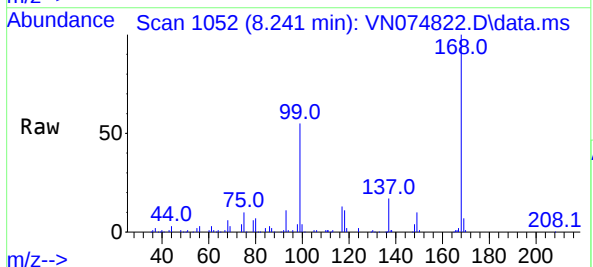
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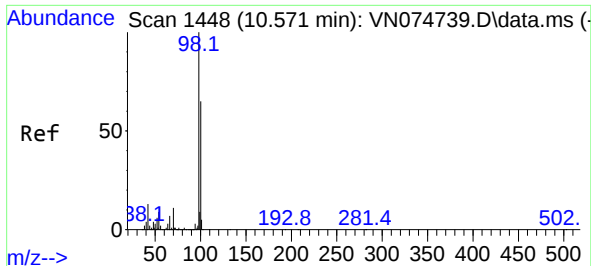
Tgt Ion: 75 Resp: 25466
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.5#
77 0.2 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.116 ug/l
RT: 8.241 min Scan# 1052
Delta R.T. -0.129 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

Tgt Ion: 117 Resp: 29896
Ion Ratio Lower Upper
117 100
119 12.0 74.3 111.5#
121 0.0 25.0 37.4#

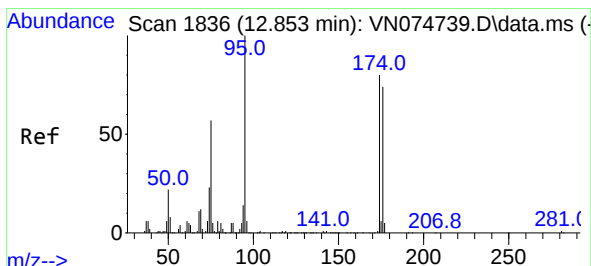
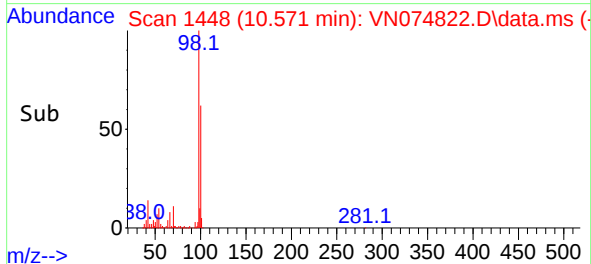
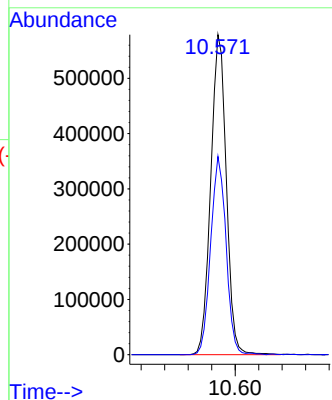
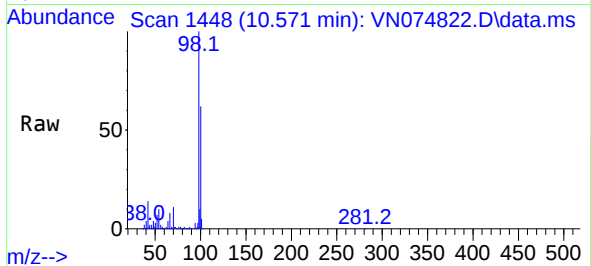




#50
Toluene-d8
Concen: 52.079 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

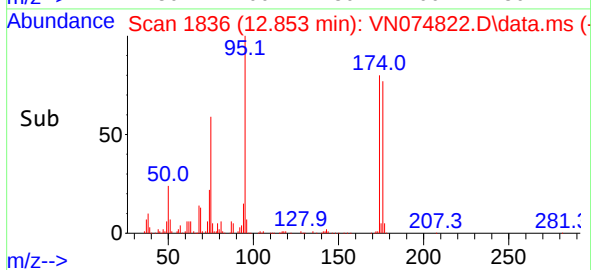
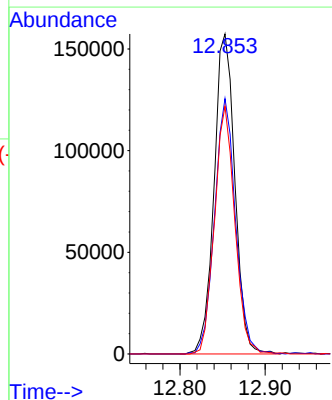
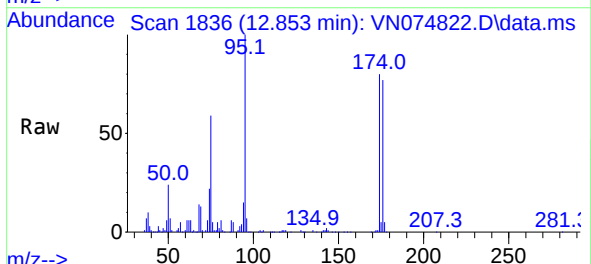
Instrument :
MSVOA_N
ClientSampleId :
257248-6

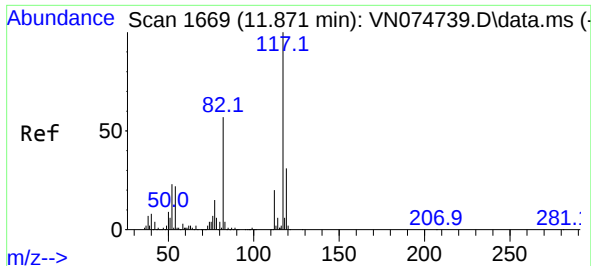
Tgt Ion: 98 Resp: 1063279
Ion Ratio Lower Upper
98 100
100 61.3 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 42.963 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

Tgt Ion: 95 Resp: 266645
Ion Ratio Lower Upper
95 100
174 80.7 0.0 149.4
176 75.8 0.0 142.0

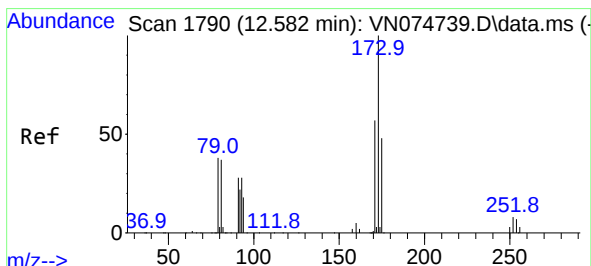
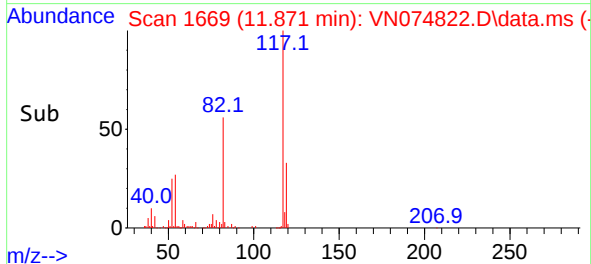
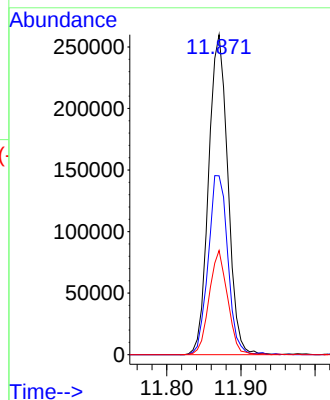
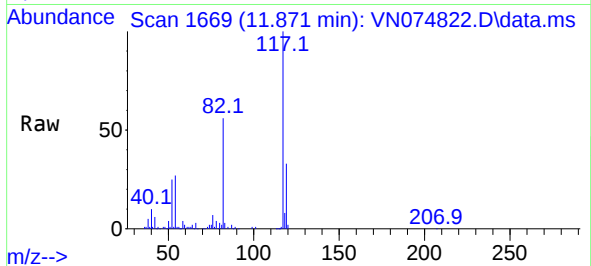




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

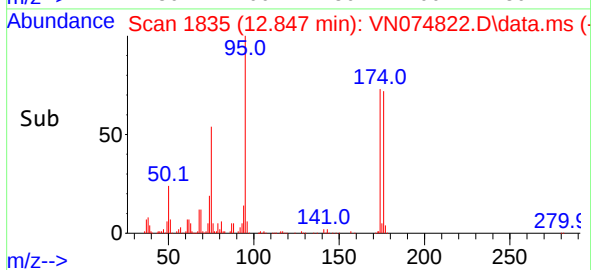
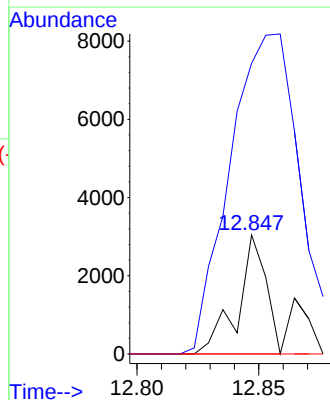
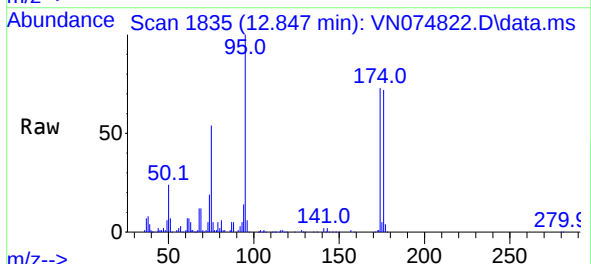
Instrument :
MSVOA_N
ClientSampleId :
257248-6

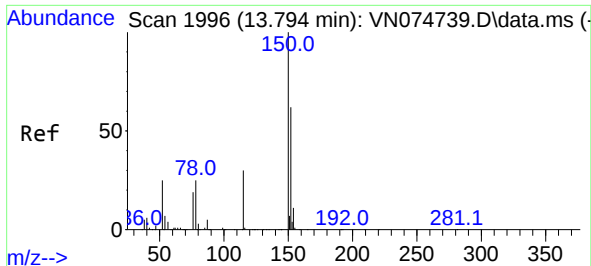
Tgt Ion:117 Resp: 468796
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.2
119 32.6 25.1 37.7



#71
Bromoform
Concen: 0.614 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

Tgt Ion:173 Resp: 2457
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.7#
254 0.0 0.1 0.1#

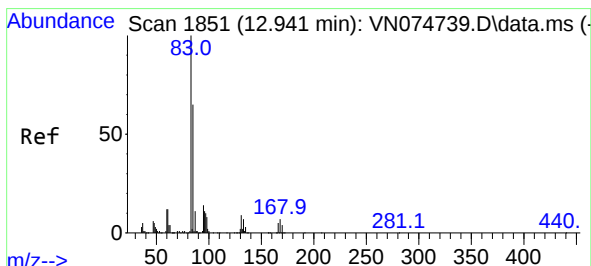
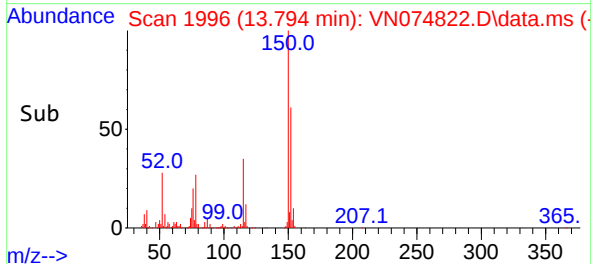
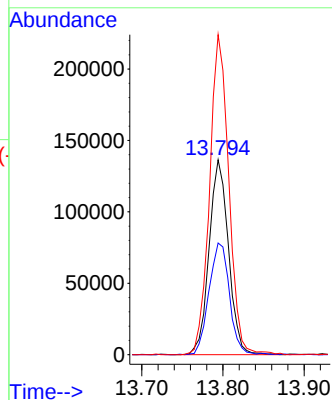
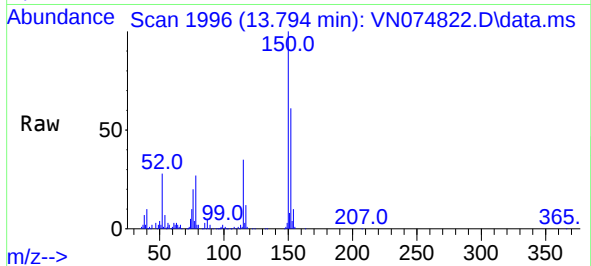




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN074822.D
 Acq: 07 Oct 2022 19:33

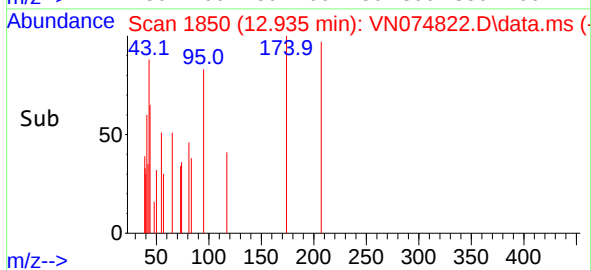
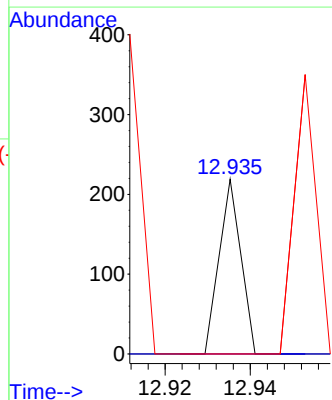
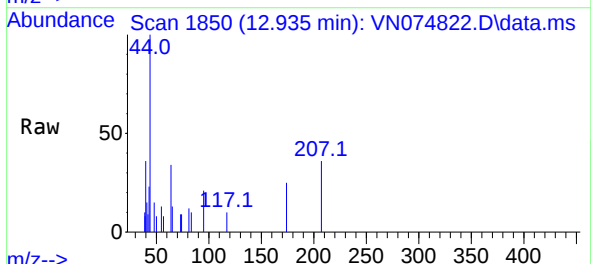
Instrument :
 MSVOA_N
 ClientSampleId :
 257248-6

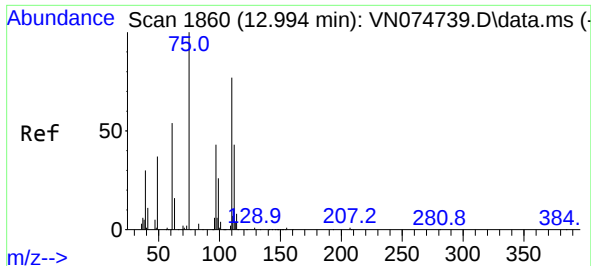
Tgt Ion:152 Resp: 226196
 Ion Ratio Lower Upper
 152 100
 115 61.0 30.0 90.0
 150 162.9 0.0 356.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.935 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: VN074822.D
 Acq: 07 Oct 2022 19:33

Tgt Ion: 83 Resp: 77
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.3 12.8#
 85 161.0 32.9 98.6#

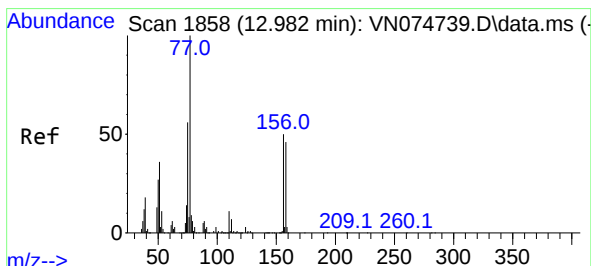
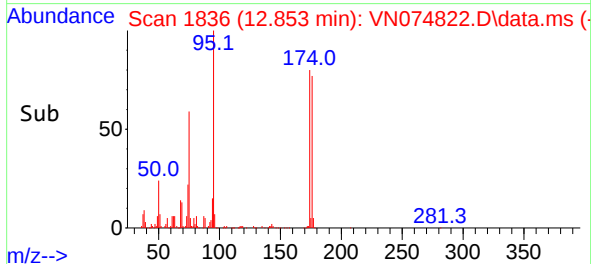
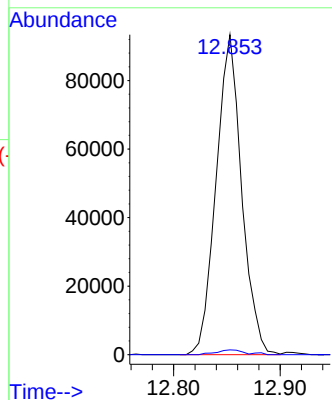
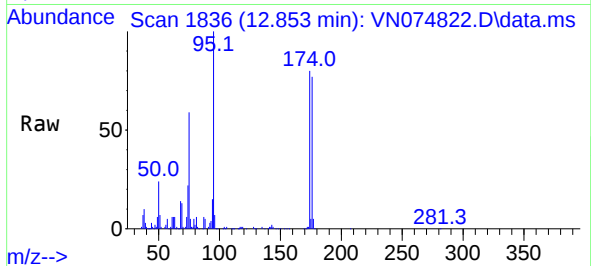




#76
1,2,3-Trichloropropane
Concen: 23.005 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

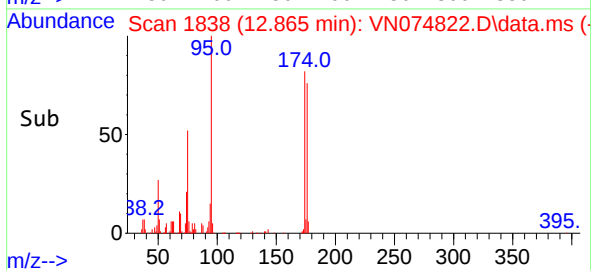
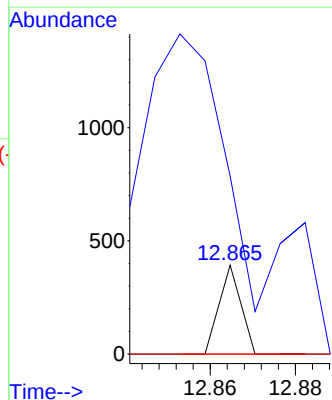
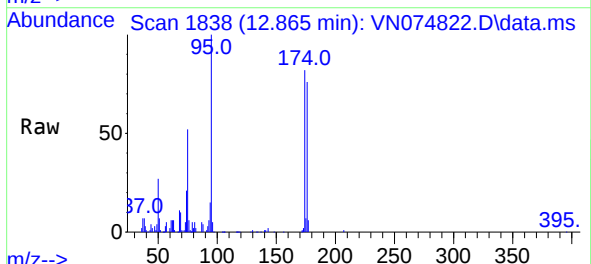
Instrument :
MSVOA_N
ClientSampleId :
257248-6

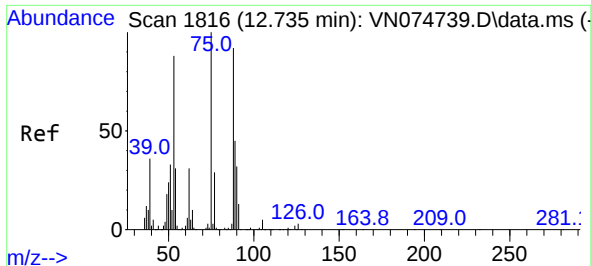
Tgt Ion: 75 Resp: 155315
Ion Ratio Lower Upper
75 100
77 1.7 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.865 min Scan# 1838
Delta R.T. -0.117 min
Lab File: VN074822.D
Acq: 07 Oct 2022 19:33

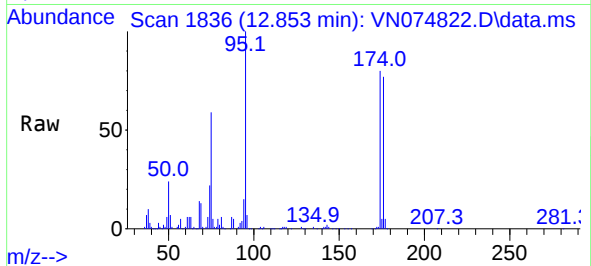
Tgt Ion:156 Resp: 139
Ion Ratio Lower Upper
156 100
77 1905.8 124.7 374.1#
158 0.0 48.3 144.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.822 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN074822.D
 Acq: 07 Oct 2022 19:33

Instrument :
 MSVOA_N
 ClientSampleId :
 257248-6



Tgt Ion: 75 Resp: 155315
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.0#
 89 0.0 32.1 48.1#

