

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081024\
 Data File : VN083202.D
 Acq On : 10 Aug 2024 12:56
 Operator : JC\MD
 Sample : PB162353TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 12 01:49:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	126834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	235765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104120	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	104137	57.683	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.360%	
35) Dibromofluoromethane	8.165	113	82452	56.029	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.060%	
50) Toluene-d8	10.565	98	305911	55.728	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.460%	
62) 4-Bromofluorobenzene	12.847	95	126007	58.879	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 117.760%	

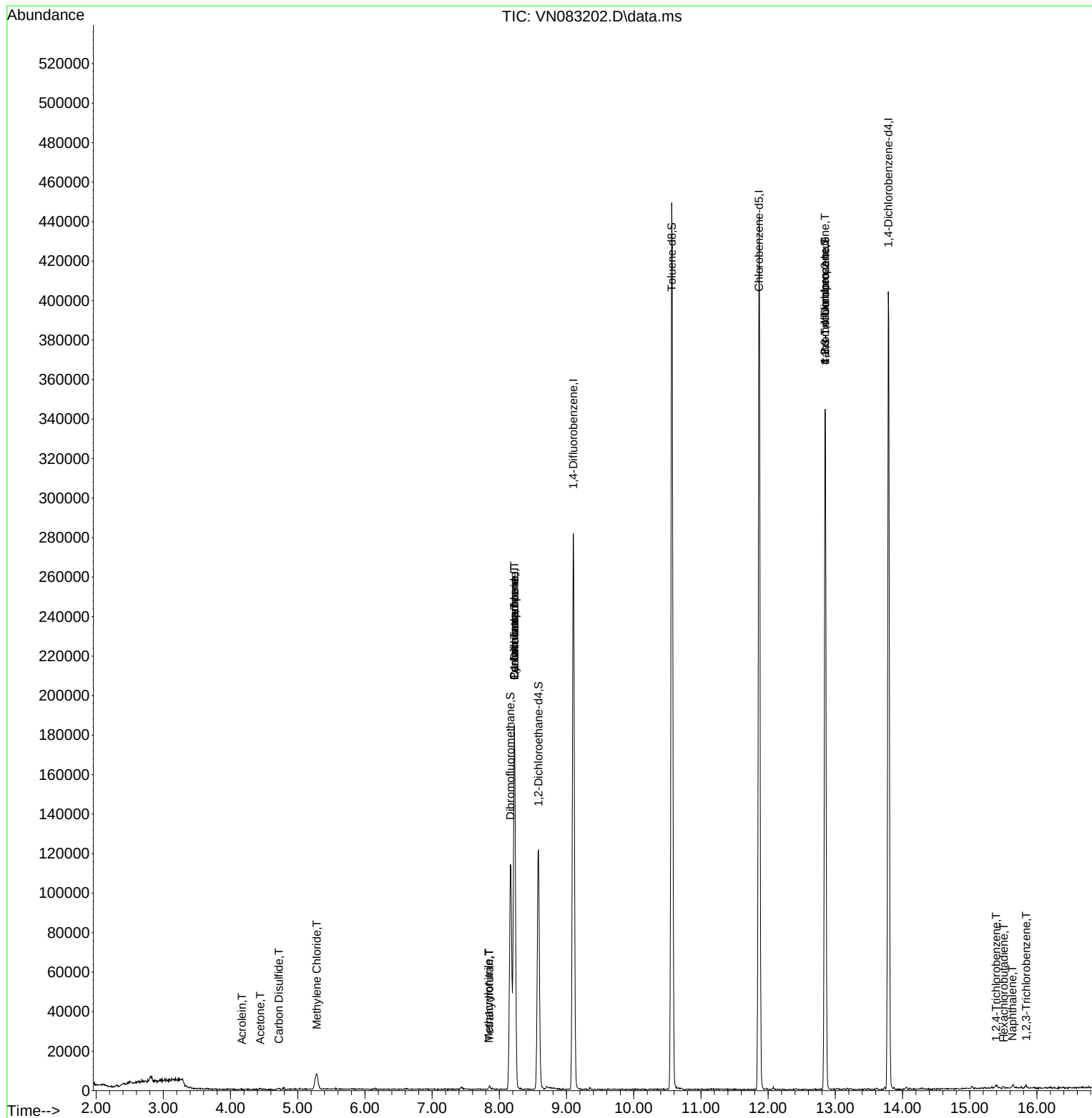
Target Compounds			Qvalue			
13) Acrolein	4.171	56	61	0.249	ug/l #	14
16) Acetone	4.442	43	671	0.950	ug/l #	48
17) Carbon Disulfide	4.718	76	1389	0.338	ug/l #	75
20) Methylene Chloride	5.283	84	6257	3.849	ug/l #	81
29) Tetrahydrofuran	7.853	42	991	1.413	ug/l #	74
31) Cyclohexane	8.224	56	3233	1.208	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11614	5.217	ug/l #	51
38) Carbon Tetrachloride	8.224	117	14146	5.642	ug/l #	17
41) Methacrylonitrile	7.841	41	507	0.358	ug/l #	38
43) Isopropyl Acetate	8.724	43	1460	Below Cal	#	60
76) 1,2,3-Trichloropropane	12.847	75	68472	29.964	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68472	65.178	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.394	180	612	0.310	ug/l #	83
94) Hexachlorobutadiene	15.506	225	327	0.373	ug/l #	46
95) Naphthalene	15.635	128	2341	0.335	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.841	180	745	0.382	ug/l #	73

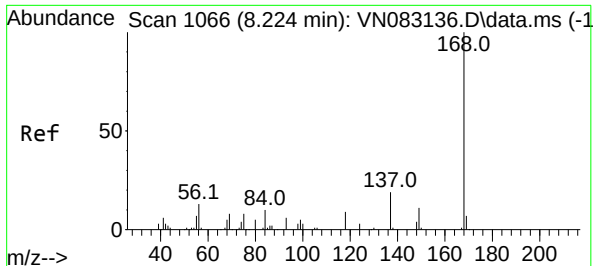
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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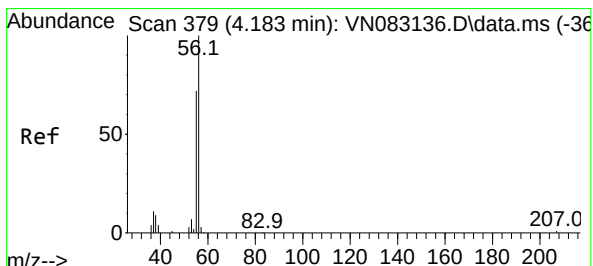
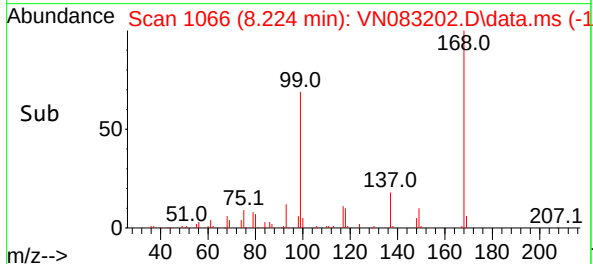
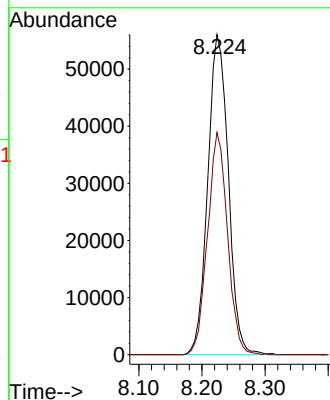
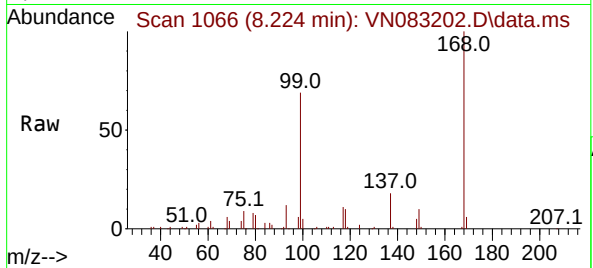




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

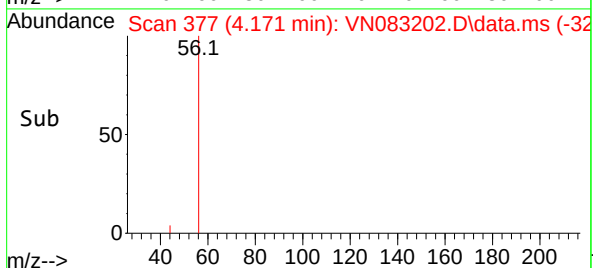
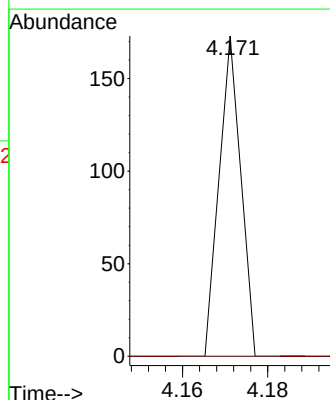
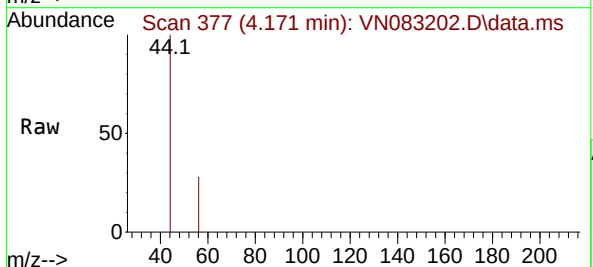
Instrument :
MSVOA_N
ClientSampleId :

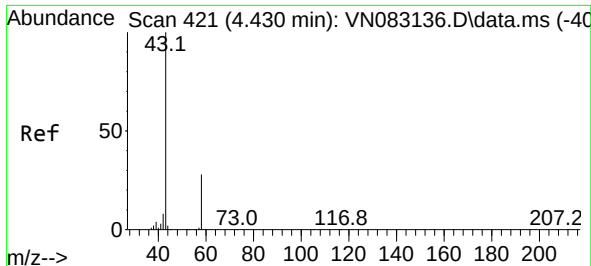
Tgt Ion:168 Resp: 126834
Ion Ratio Lower Upper
168 100
99 69.4 48.2 72.4



#13
Acrolein
Concen: 0.249 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.012 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

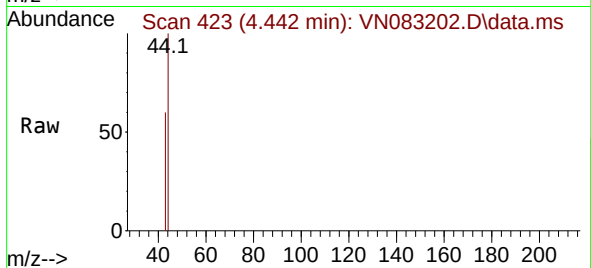
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



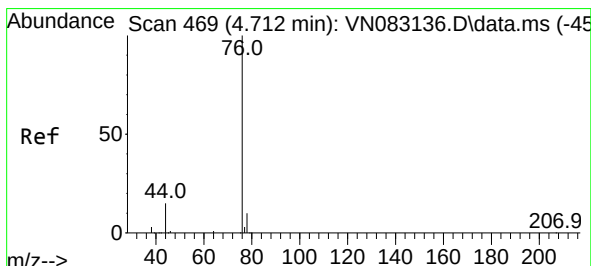
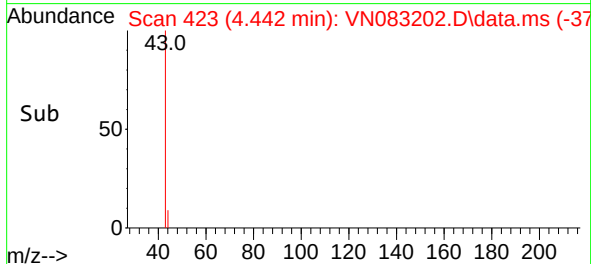
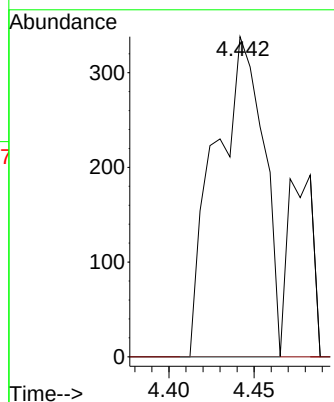


#16
Acetone
Concen: 0.950 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

Instrument :
MSVOA_N
ClientSampleId :

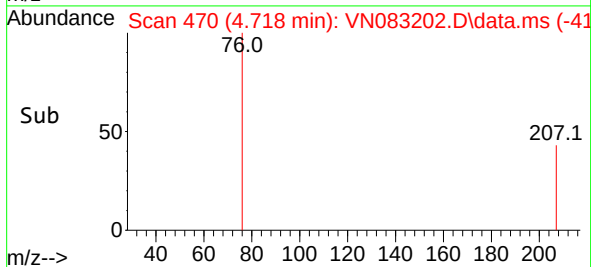
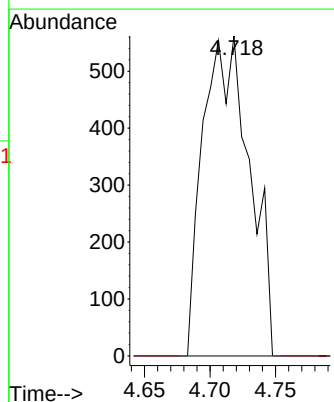
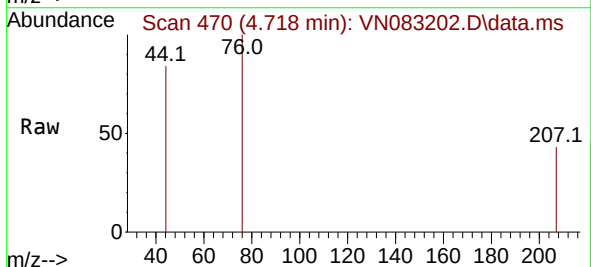


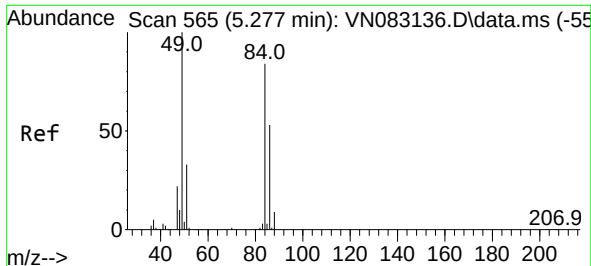
Tgt Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.6#



#17
Carbon Disulfide
Concen: 0.338 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

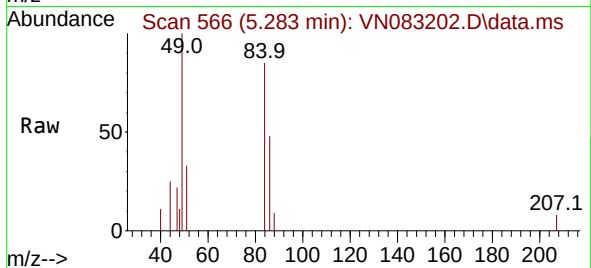
Tgt Ion: 76 Resp: 1389
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



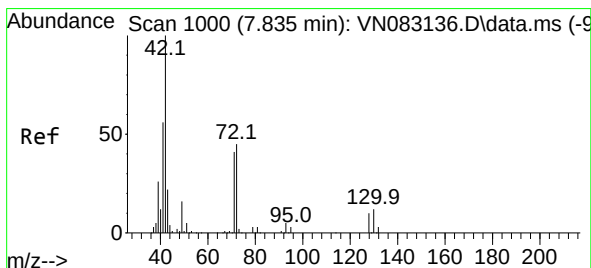
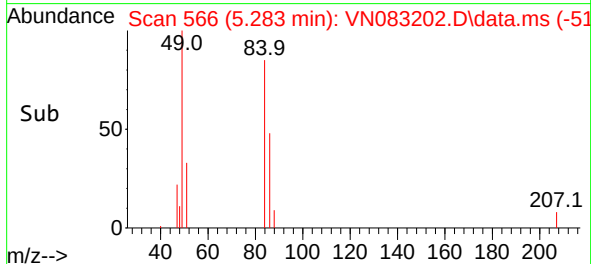
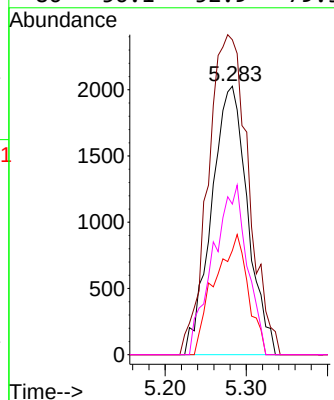


#20
Methylene Chloride
Concen: 3.849 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

Instrument :
MSVOA_N
ClientSampleId :

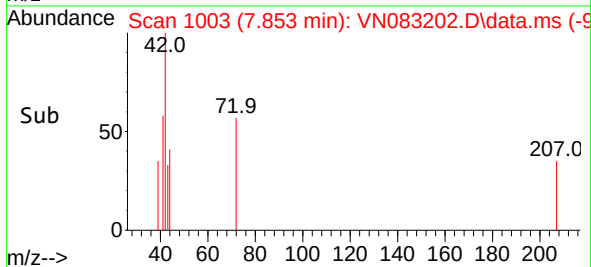
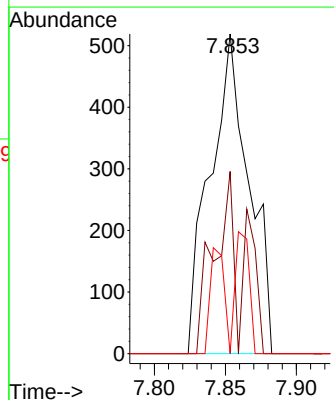
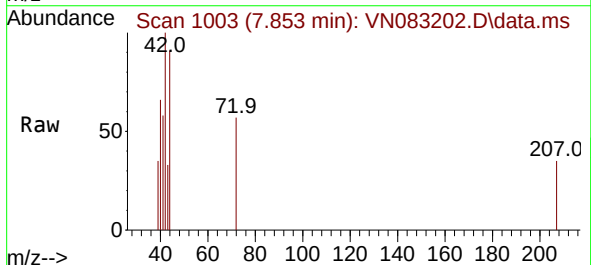


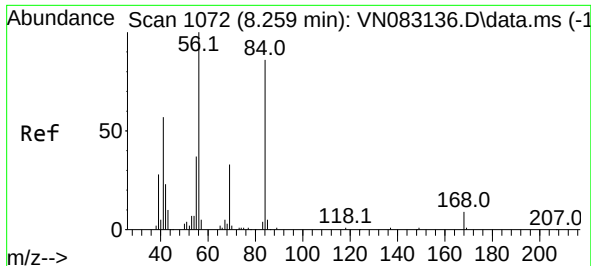
Tgt Ion:	84	Resp:	6257
Ion	Ratio	Lower	Upper
84	100		
49	117.3	119.6	179.4#
51	38.8	34.8	52.2
86	56.1	52.9	79.3



#29
Tetrahydrofuran
Concen: 1.413 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

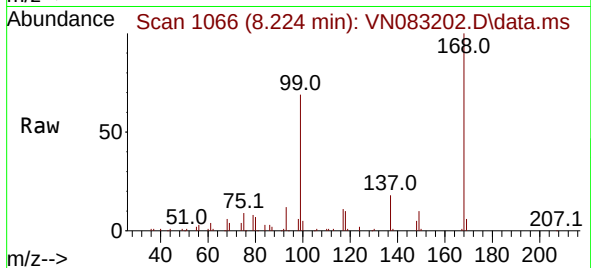
Tgt Ion:	42	Resp:	991
Ion	Ratio	Lower	Upper
42	100		
72	28.0	30.0	45.0#
71	13.6	28.3	42.5#



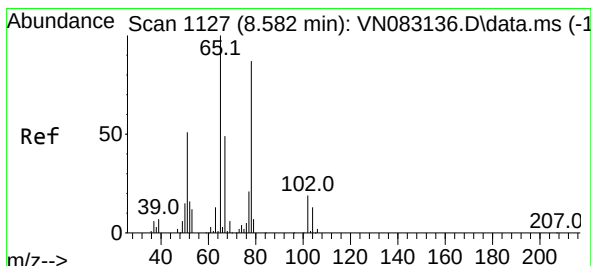
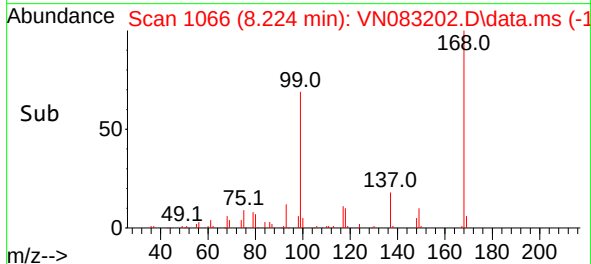
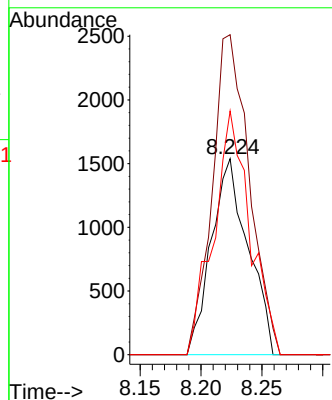


#31
Cyclohexane
Concen: 1.208 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

Instrument :
MSVOA_N
ClientSampleId :

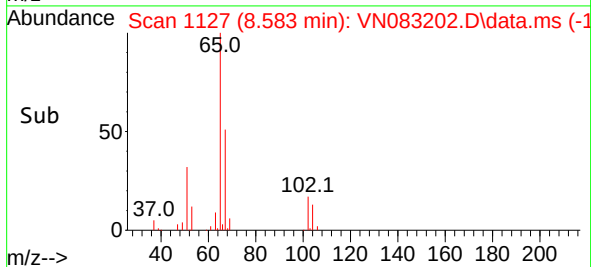
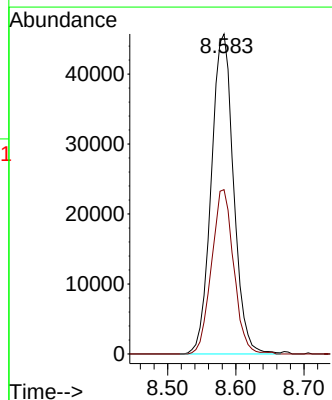
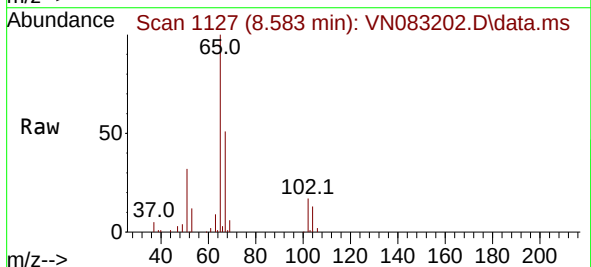


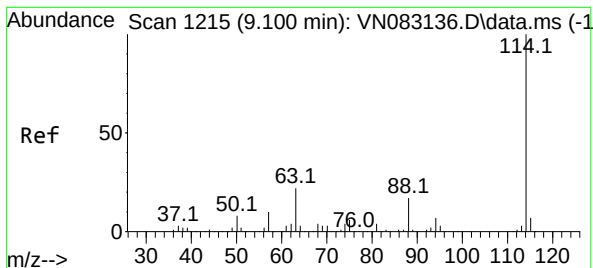
Tgt Ion: 56 Resp: 3233
Ion Ratio Lower Upper
56 100
69 163.2 24.5 36.7#
84 124.3 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 57.683 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

Tgt Ion: 65 Resp: 104137
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083202.D

Acq: 10 Aug 2024 12:56

Instrument :

MSVOA_N

ClientSampleId :

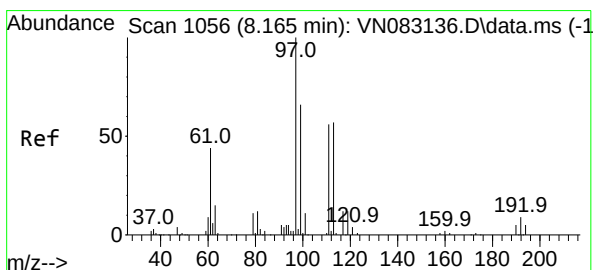
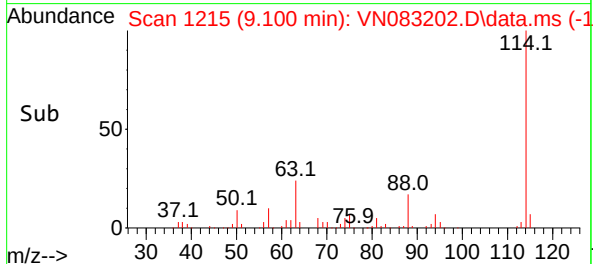
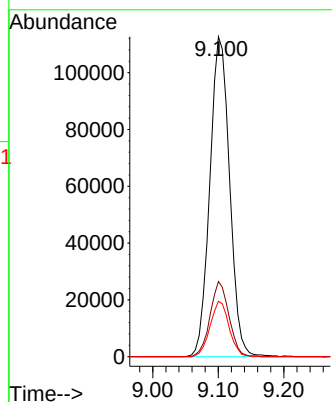
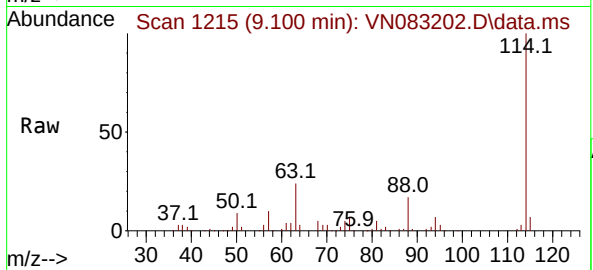
Tgt Ion:114 Resp: 235765

Ion Ratio Lower Upper

114 100

63 23.5 0.0 44.6

88 17.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 56.029 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083202.D

Acq: 10 Aug 2024 12:56

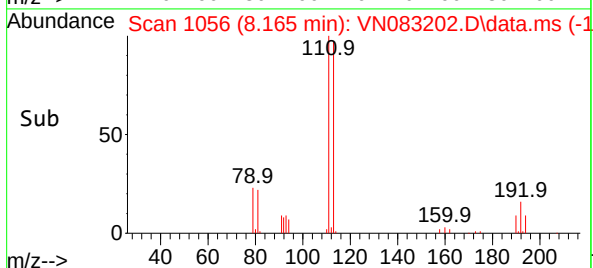
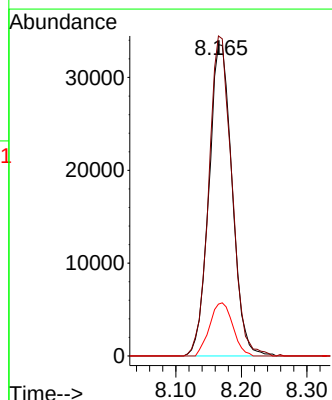
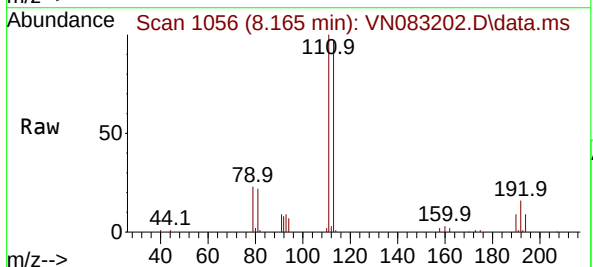
Tgt Ion:113 Resp: 82452

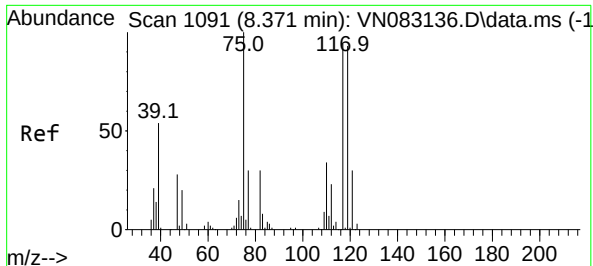
Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

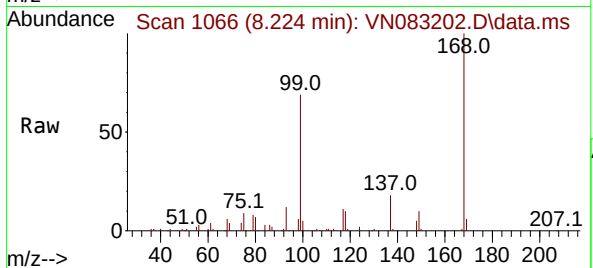
192 17.0 14.9 22.3



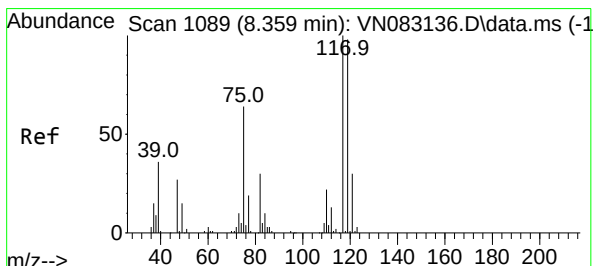
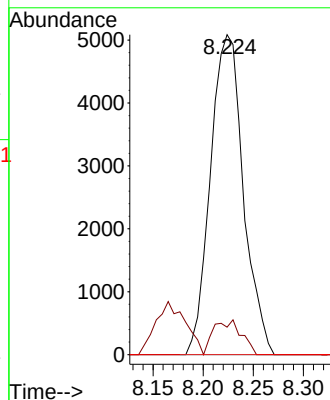
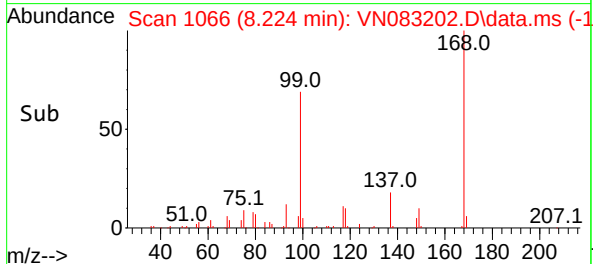


#36
 1,1-Dichloropropene
 Concen: 5.217 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN083202.D
 Acq: 10 Aug 2024 12:56

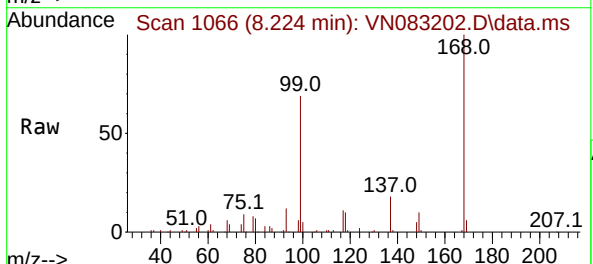
Instrument :
 MSVOA_N
 ClientSampleId :



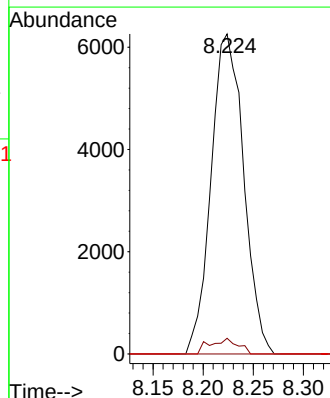
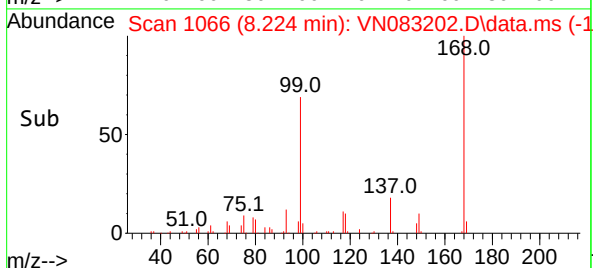
Tgt Ion: 75 Resp: 11614
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.3 48.9#
 77 0.0 24.6 37.0#

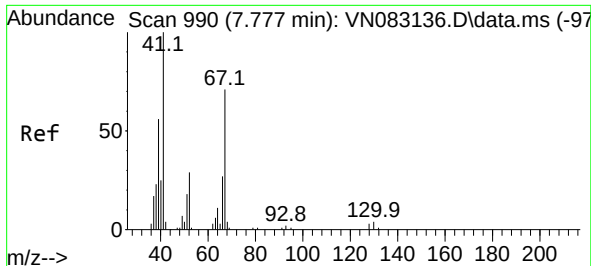


#38
 Carbon Tetrachloride
 Concen: 5.642 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.135 min
 Lab File: VN083202.D
 Acq: 10 Aug 2024 12:56



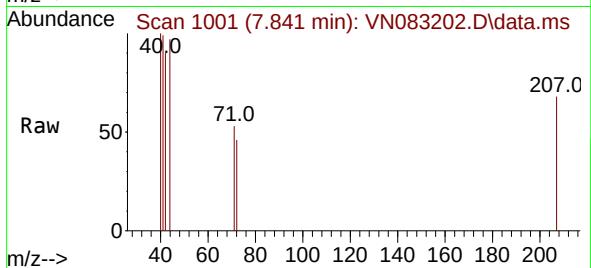
Tgt Ion: 117 Resp: 14146
 Ion Ratio Lower Upper
 117 100
 119 4.9 74.9 112.3#
 121 0.0 24.3 36.5#



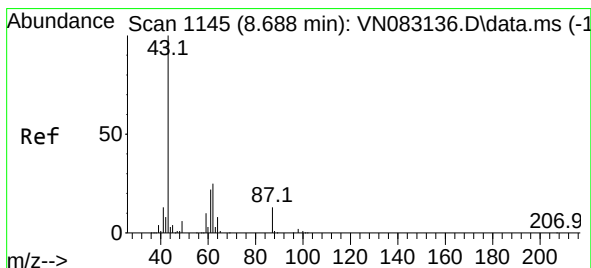
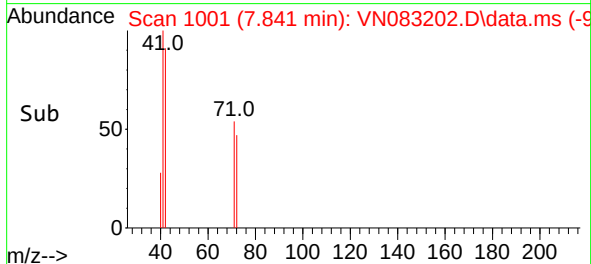
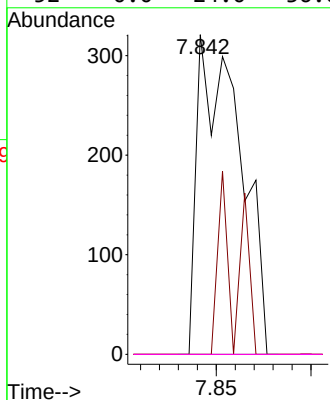


#41
Methacrylonitrile
Concen: 0.358 ug/l
RT: 7.841 min Scan# 1101
Delta R.T. 0.065 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

Instrument :
MSVOA_N
ClientSampleId :

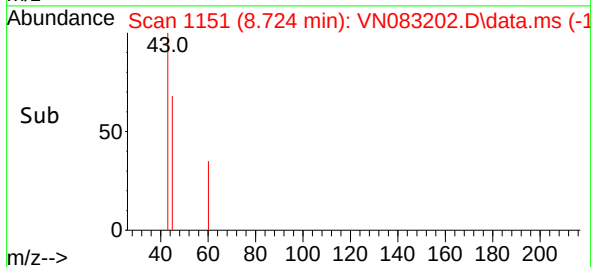
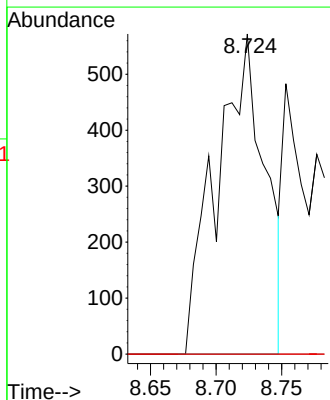
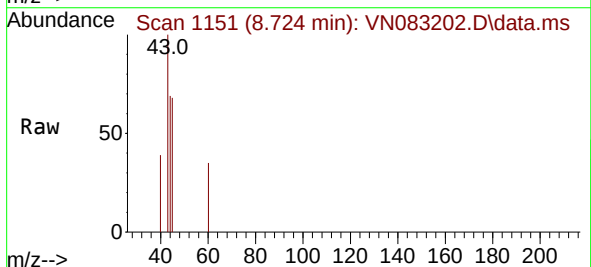


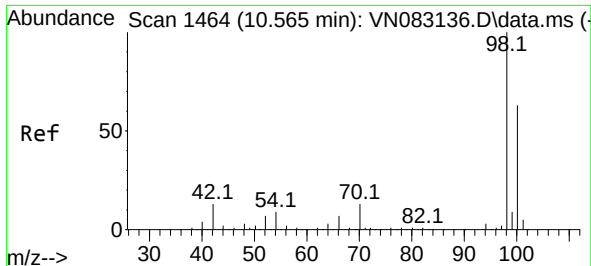
Tgt Ion:	41	Resp:	507
Ion	Ratio	Lower	Upper
41	100		
39	24.1	45.5	68.3#
67	0.0	50.5	75.7#
52	0.0	24.0	36.0#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.724 min Scan# 1151
Delta R.T. 0.036 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

Tgt Ion:	43	Resp:	1460
Ion	Ratio	Lower	Upper
43	100		
61	0.0	17.8	26.6#
87	0.0	8.2	12.2#

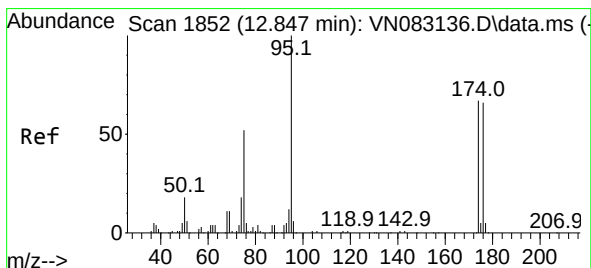
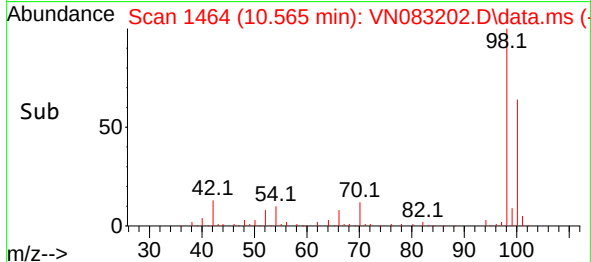
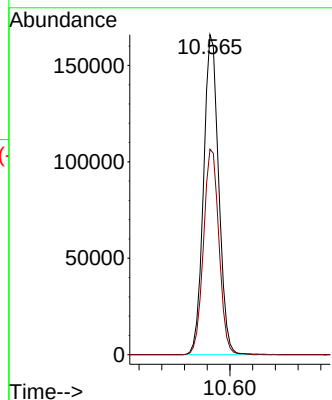
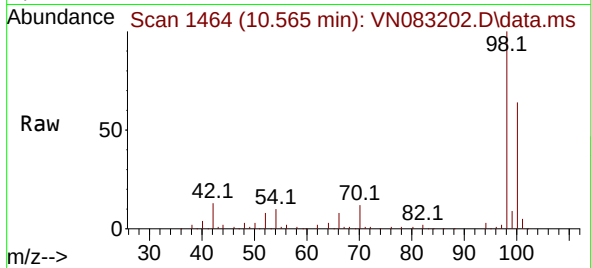




#50
Toluene-d8
Concen: 55.728 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

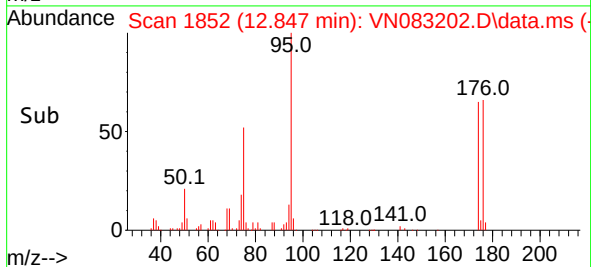
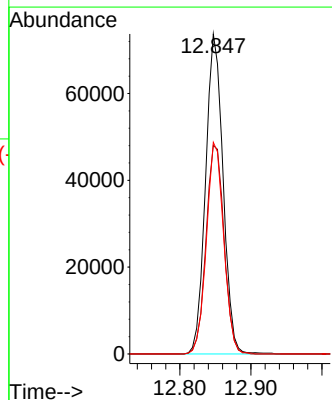
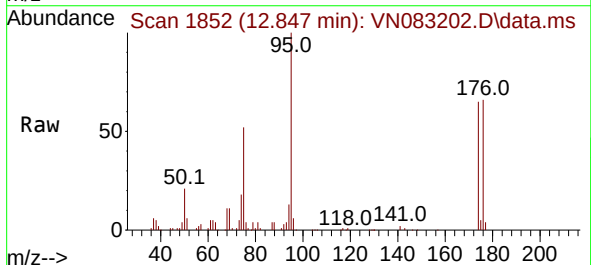
Instrument :
MSVOA_N
ClientSampleId :

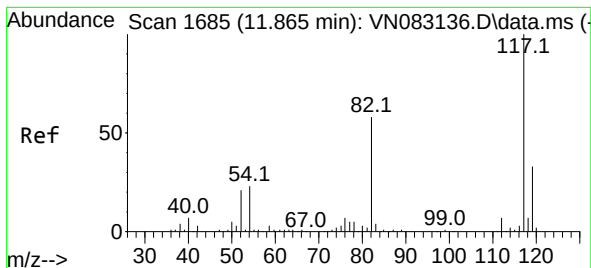
Tgt Ion: 98 Resp: 305911
Ion Ratio Lower Upper
98 100
100 65.6 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 58.879 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

Tgt Ion: 95 Resp: 126007
Ion Ratio Lower Upper
95 100
174 67.4 0.0 159.2
176 65.5 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083202.D

Acq: 10 Aug 2024 12:56

Instrument :

MSVOA_N

ClientSampleId :

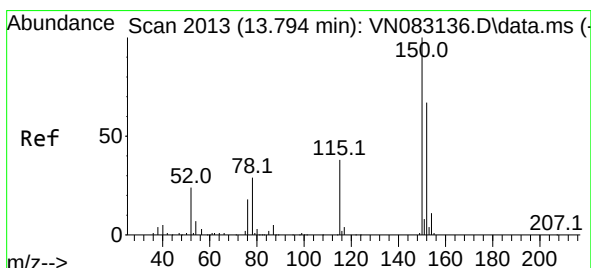
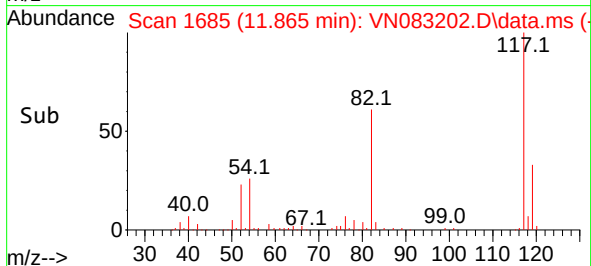
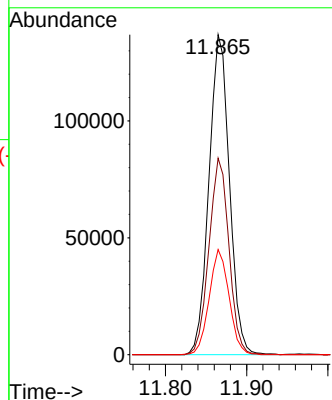
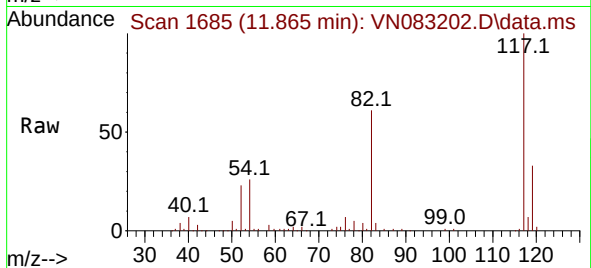
Tgt Ion:117 Resp: 239235

Ion Ratio Lower Upper

117 100

82 61.4 47.5 71.3

119 32.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN083202.D

Acq: 10 Aug 2024 12:56

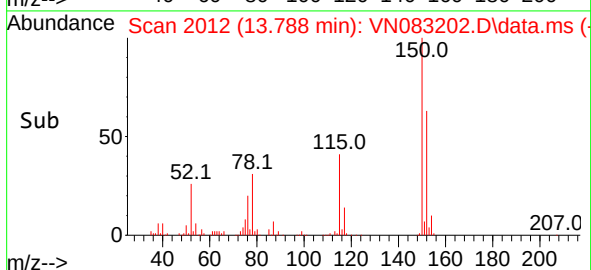
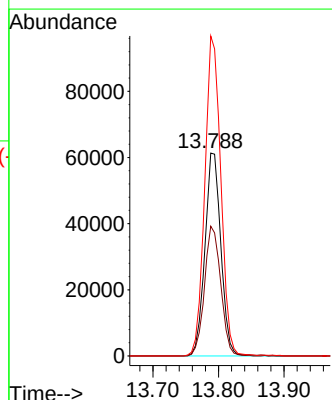
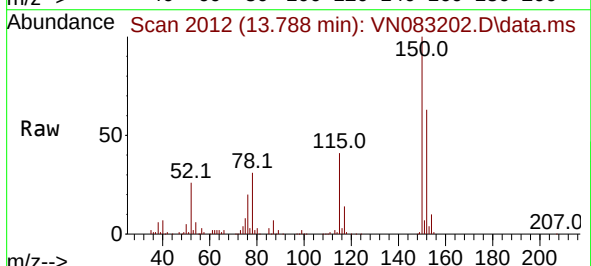
Tgt Ion:152 Resp: 104120

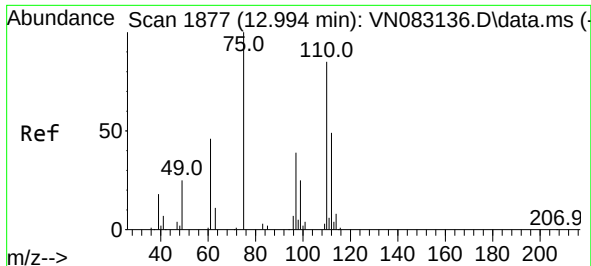
Ion Ratio Lower Upper

152 100

115 64.9 30.6 91.6

150 158.0 0.0 348.6

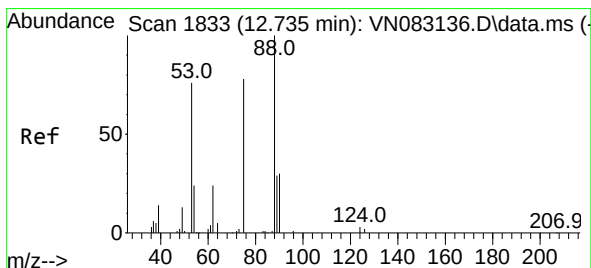
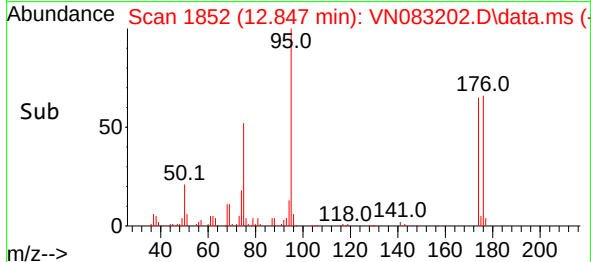
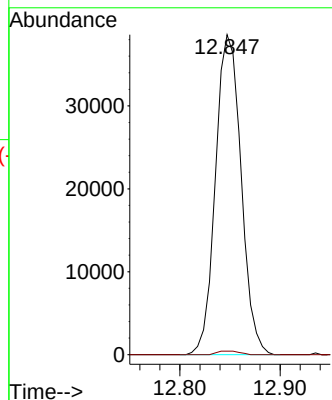
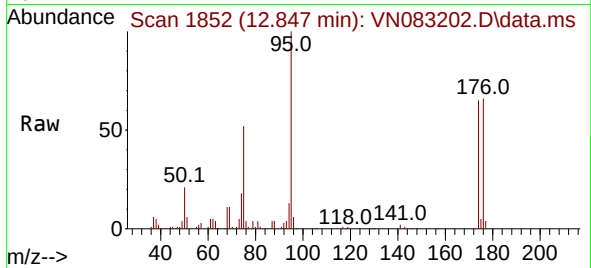




#76
1,2,3-Trichloropropane
Concen: 29.964 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

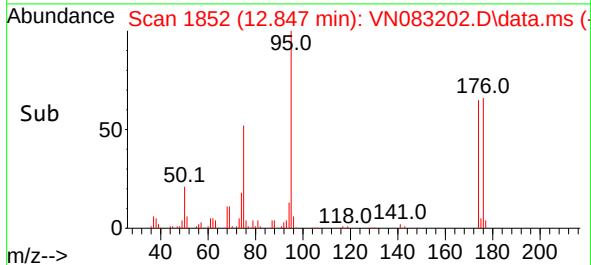
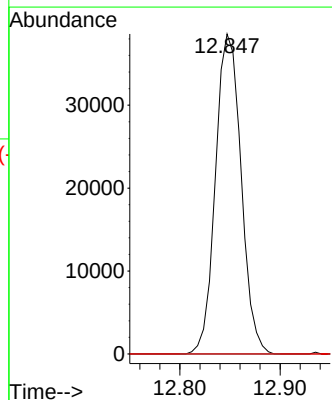
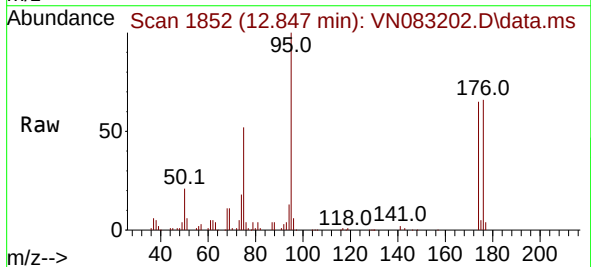
Instrument :
MSVOA_N
ClientSampleId :

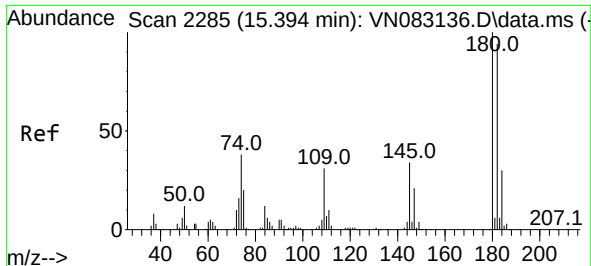
Tgt Ion: 75 Resp: 68472
Ion Ratio Lower Upper
75 100
77 1.0 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.178 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

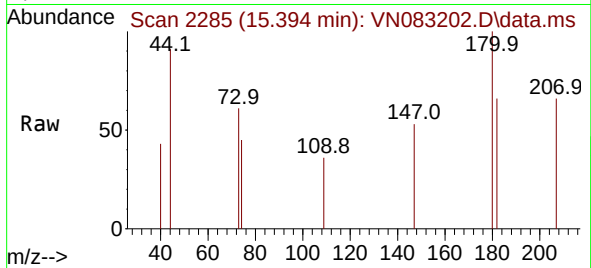
Tgt Ion: 75 Resp: 68472
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



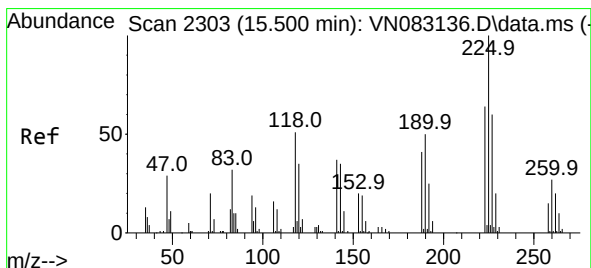
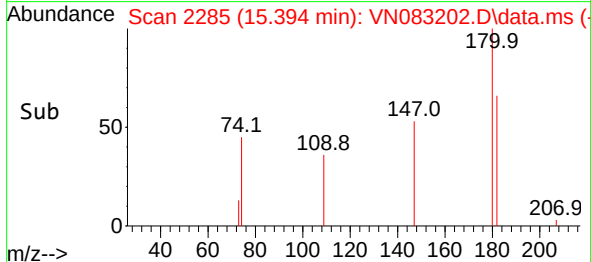
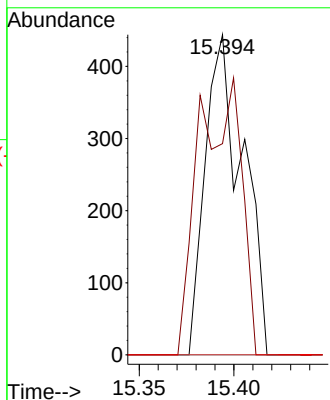


#93
 1,2,4-Trichlorobenzene
 Concen: 0.310 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN083202.D
 Acq: 10 Aug 2024 12:56

Instrument :
 MSVOA_N
 ClientSampleId :

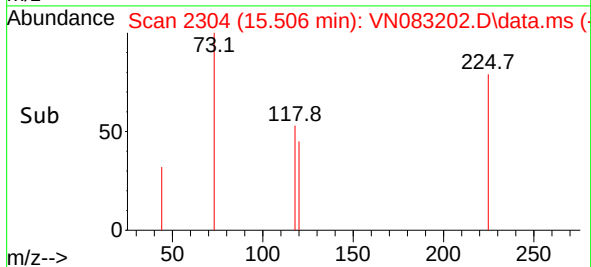
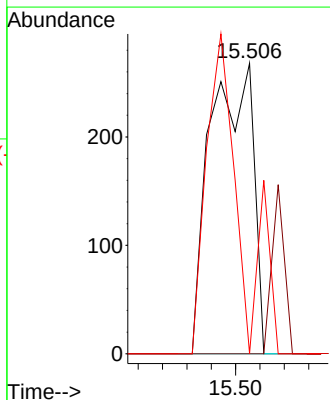
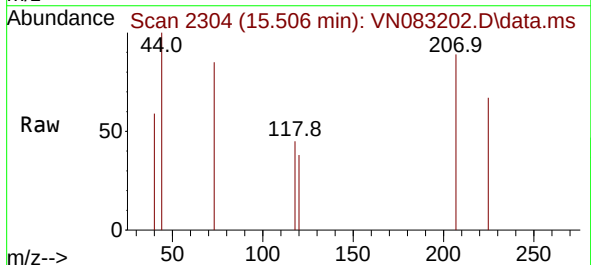


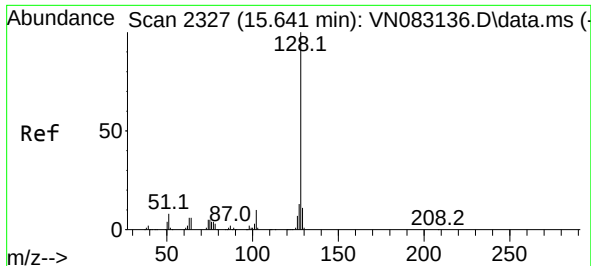
Tgt Ion:180 Resp: 612
 Ion Ratio Lower Upper
 180 100
 182 97.5 47.3 141.8
 145 0.0 15.7 47.1#



#94
 Hexachlorobutadiene
 Concen: 0.373 ug/l
 RT: 15.506 min Scan# 2304
 Delta R.T. 0.006 min
 Lab File: VN083202.D
 Acq: 10 Aug 2024 12:56

Tgt Ion:225 Resp: 327
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.9 95.7#
 227 86.9 32.5 97.5

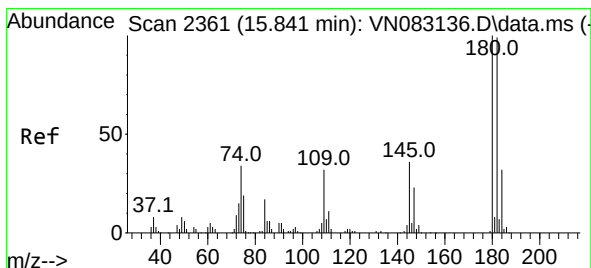
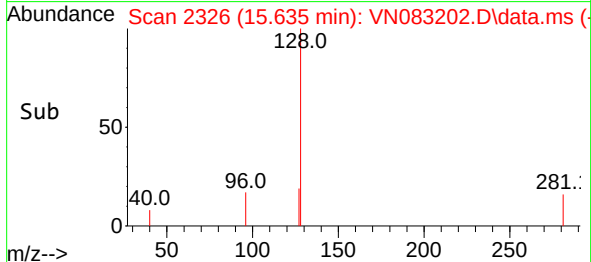
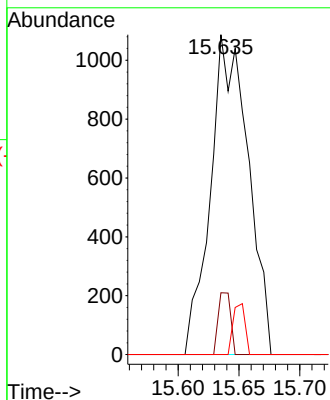
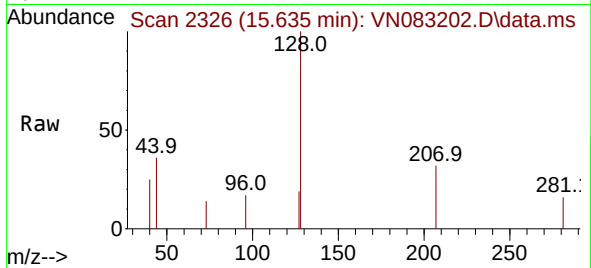




#95
Naphthalene
Concen: 0.335 ug/l
RT: 15.635 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 2341
Ion Ratio Lower Upper
128 100
127 6.3 10.6 16.0#
129 5.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.382 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN083202.D
Acq: 10 Aug 2024 12:56

Tgt Ion:180 Resp: 745
Ion Ratio Lower Upper
180 100
182 77.6 48.9 146.8
145 8.2 16.8 50.4#

