

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082924\
 Data File : VN083560.D
 Acq On : 29 Aug 2024 16:50
 Operator : JC\MD
 Sample : P3751-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 30 01:27:43 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)

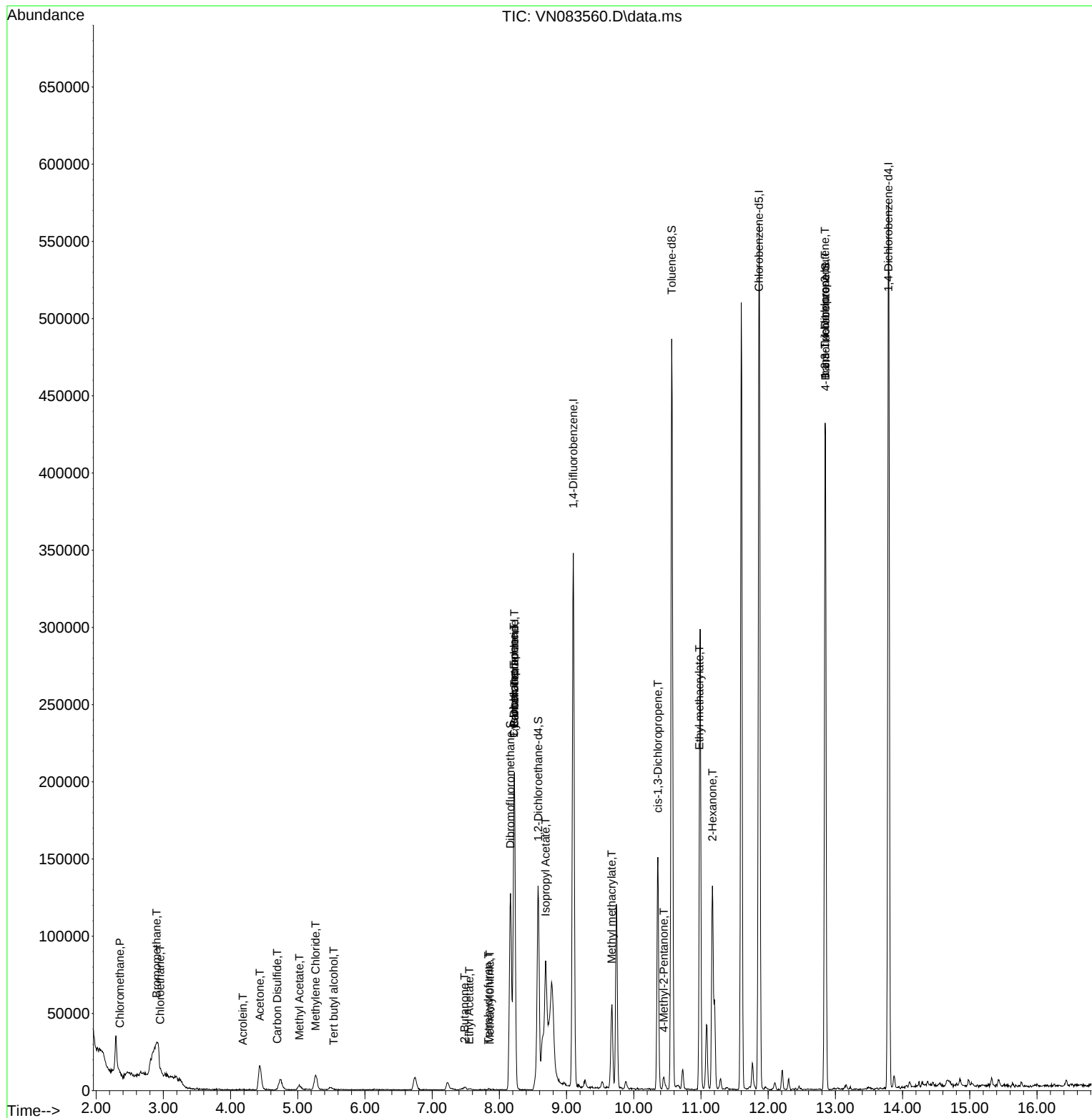
Internal Standards						
1) Pentafluorobenzene	8.224	168	140740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	287272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111205	55.512	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.020%	
35) Dibromofluoromethane	8.165	113	89736	50.045	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.100%	
50) Toluene-d8	10.565	98	322750	48.253	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.500%	
62) 4-Bromofluorobenzene	12.853	95	154519	59.257	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 118.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	691	0.423	ug/l	94
5) Bromomethane	2.901	94	303	0.293	ug/l	90
6) Chloroethane	2.953	64	509	0.488	ug/l #	41
11) Tert butyl alcohol	5.536	59	137	0.329	ug/l #	71
13) Acrolein	4.183	56	164	0.604	ug/l #	47
16) Acetone	4.436	43	28295	36.096	ug/l #	88
17) Carbon Disulfide	4.695	76	1131	0.248	ug/l #	75
18) Methyl Acetate	5.024	43	5784	2.477	ug/l #	91
20) Methylene Chloride	5.265	84	7426	4.116	ug/l	87
25) 2-Butanone	7.483	43	3107	2.581	ug/l #	90
29) Tetrahydrofuran	7.836	42	198	0.254	ug/l #	38
31) Cyclohexane	8.218	56	3531	1.189	ug/l #	21
36) 1,1-Dichloropropene	8.218	75	12509	4.612	ug/l #	52
37) Ethyl Acetate	7.553	43	1057	0.348	ug/l #	80
38) Carbon Tetrachloride	8.224	117	15623	5.114	ug/l #	15
41) Methacrylonitrile	7.859	41	357	0.207	ug/l #	25
43) Isopropyl Acetate	8.688	43	136961	24.753	ug/l #	76
48) Methyl methacrylate	9.671	41	4277	1.703	ug/l #	52
51) 4-Methyl-2-Pentanone	10.447	43	7221	2.514	ug/l	88
54) cis-1,3-Dichloropropene	10.359	75	27292	8.103	ug/l #	55
56) Ethyl methacrylate	10.977	69	815	0.236	ug/l #	1
59) 2-Hexanone	11.171	43	114401	51.489	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	84599	26.091	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	84599	56.753	ug/l #	6

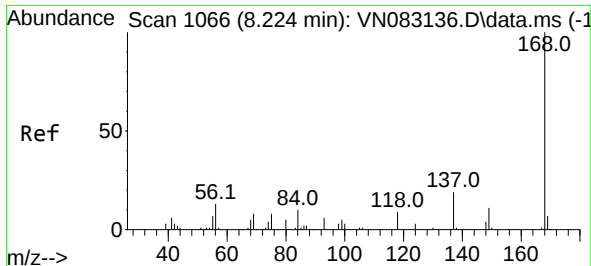
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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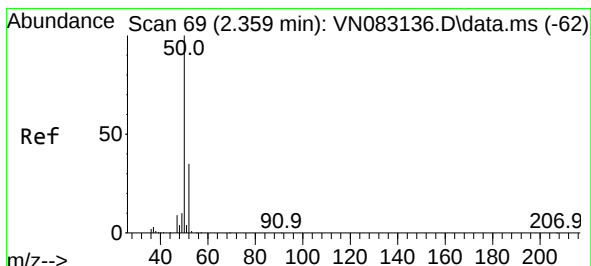
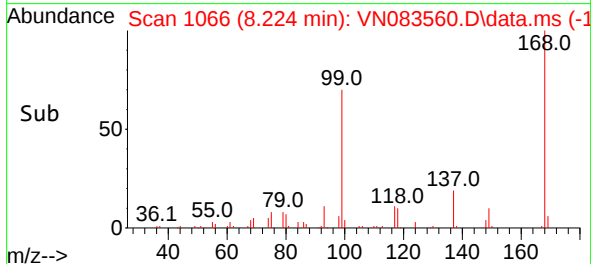
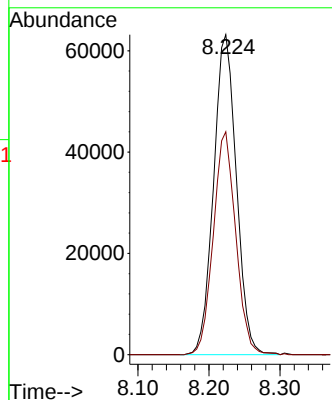
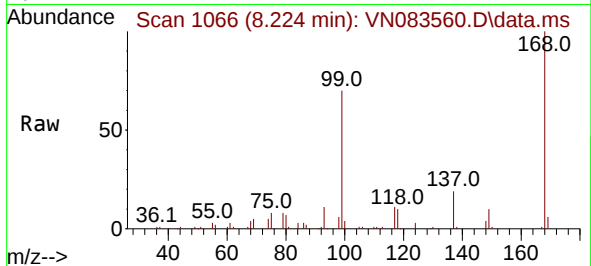




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

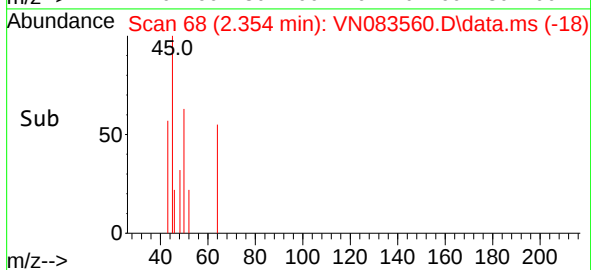
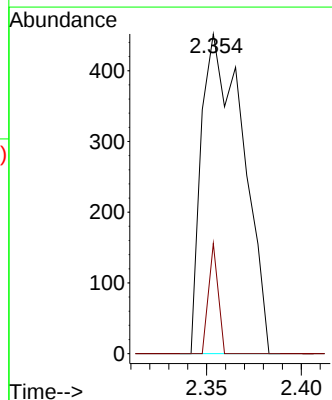
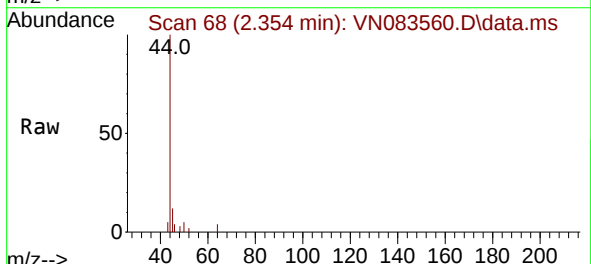
Instrument :
MSVOA_N
ClientSampleId :

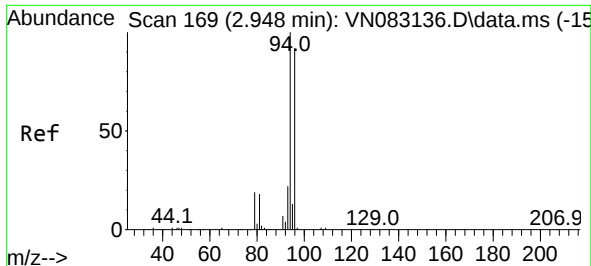
Tgt Ion:168 Resp: 140740
Ion Ratio Lower Upper
168 100
99 69.7 48.2 72.4



#3
Chloromethane
Concen: 0.423 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

Tgt Ion: 50 Resp: 691
Ion Ratio Lower Upper
50 100
52 34.5 25.0 37.4

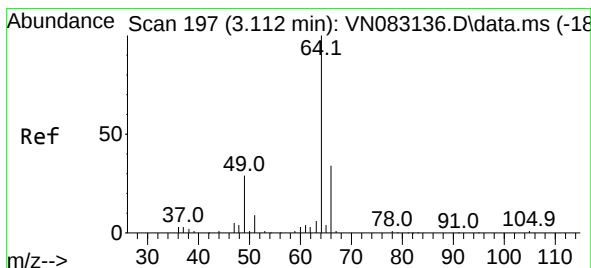
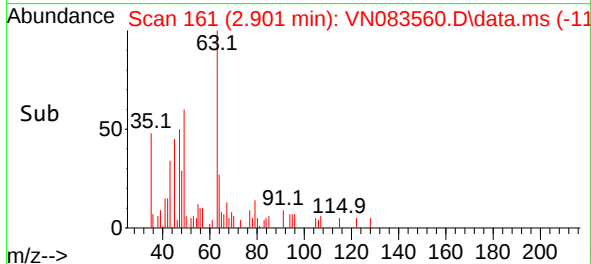
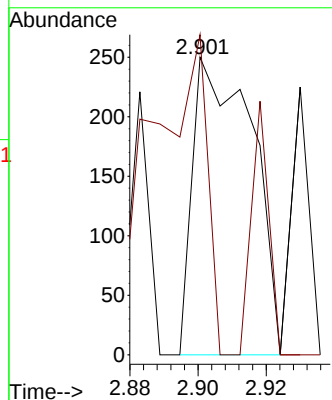
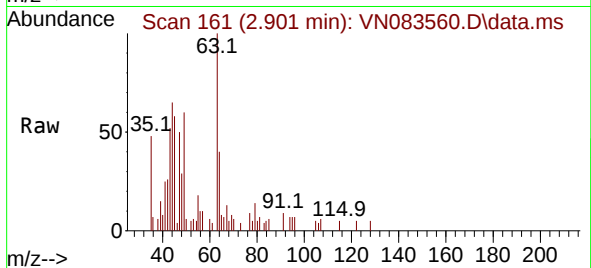




#5
Bromomethane
Concen: 0.293 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

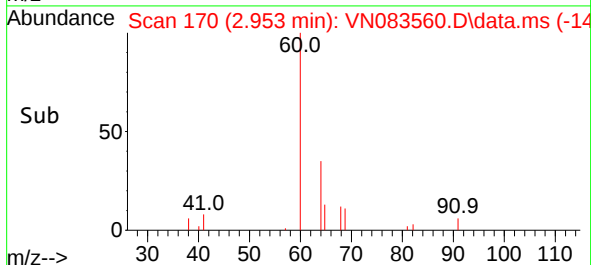
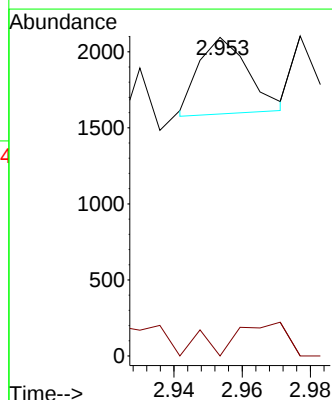
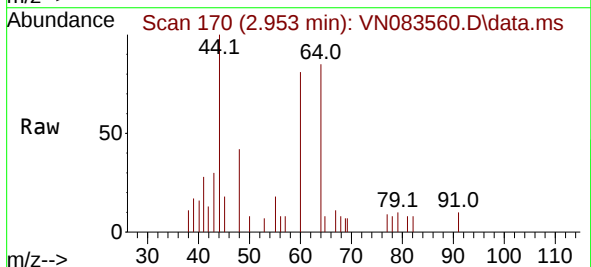
Instrument :
MSVOA_N
ClientSampleId :

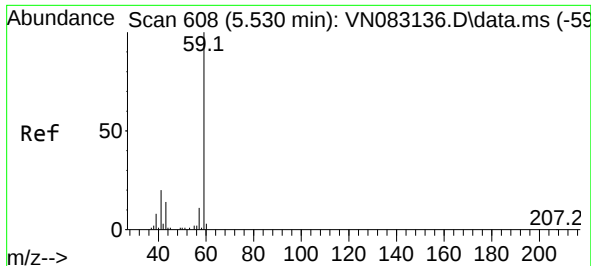
Tgt Ion: 94 Resp: 303
Ion Ratio Lower Upper
94 100
96 107.6 78.0 117.0



#6
Chloroethane
Concen: 0.488 ug/l
RT: 2.953 min Scan# 170
Delta R.T. -0.159 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

Tgt Ion: 64 Resp: 509
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#





#11

Tert butyl alcohol

Concen: 0.329 ug/l

RT: 5.536 min Scan# 608

Delta R.T. 0.006 min

Lab File: VN083560.D

Acq: 29 Aug 2024 16:50

Instrument :

MSVOA_N

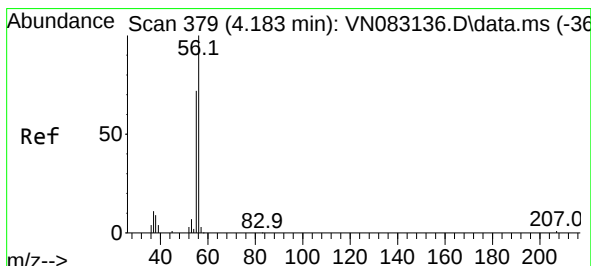
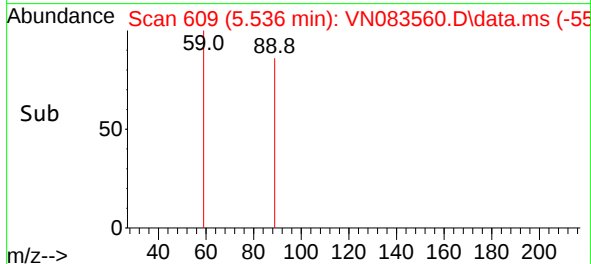
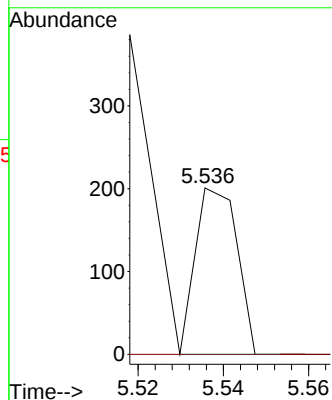
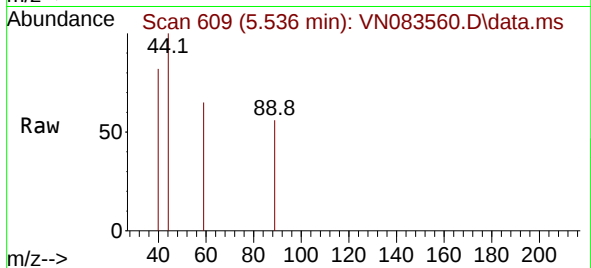
ClientSampleId :

Tgt Ion: 59 Resp: 137

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#13

Acrolein

Concen: 0.604 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.000 min

Lab File: VN083560.D

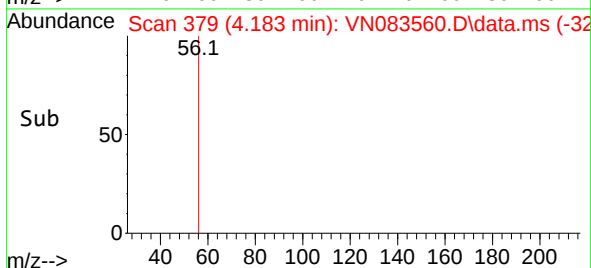
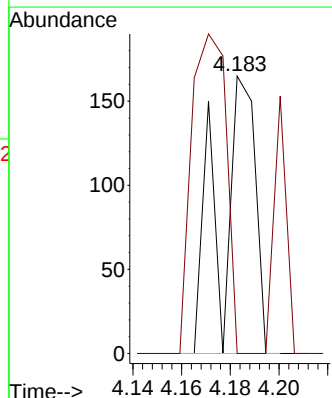
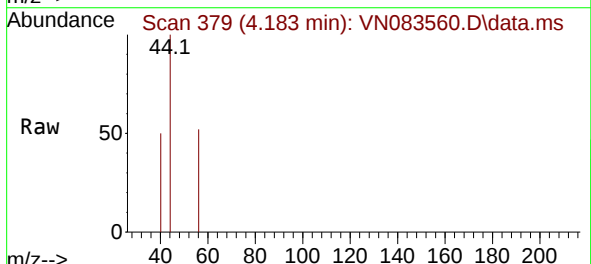
Acq: 29 Aug 2024 16:50

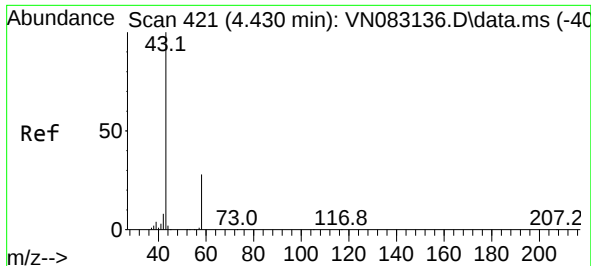
Tgt Ion: 56 Resp: 164

Ion Ratio Lower Upper

56 100

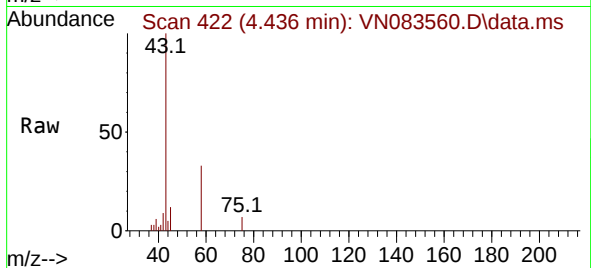
55 114.0 56.4 84.6#



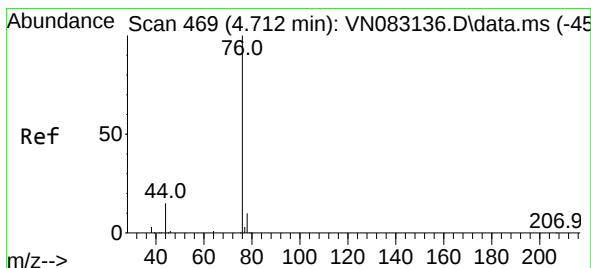
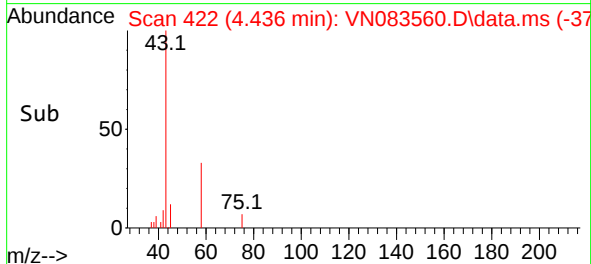
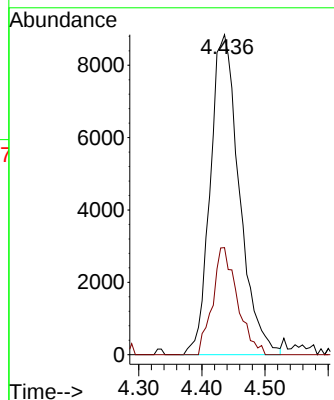


#16
Acetone
Concen: 36.096 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

Instrument :
MSVOA_N
ClientSampleId :

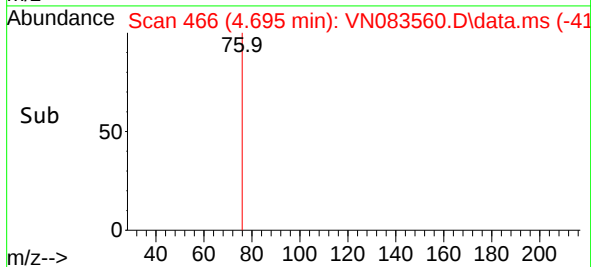
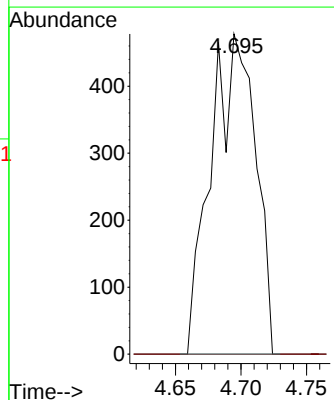
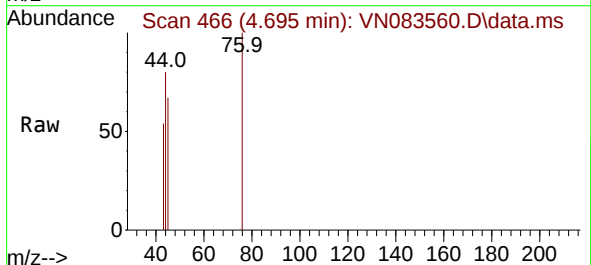


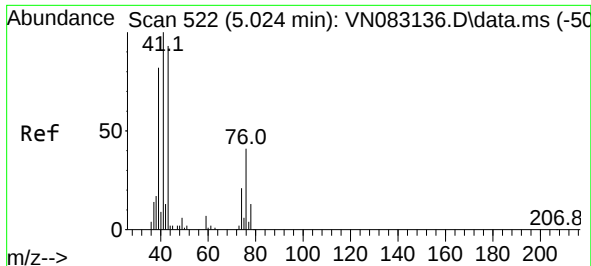
Tgt Ion: 43 Resp: 28295
Ion Ratio Lower Upper
43 100
58 33.5 21.8 32.6#



#17
Carbon Disulfide
Concen: 0.248 ug/l
RT: 4.695 min Scan# 466
Delta R.T. -0.018 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

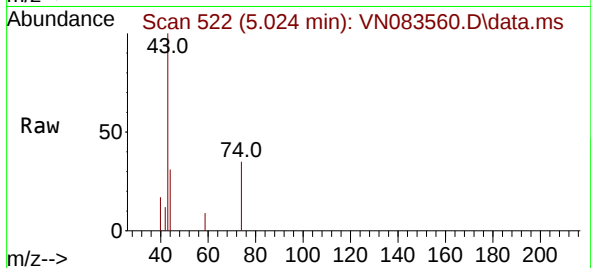
Tgt Ion: 76 Resp: 1131
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



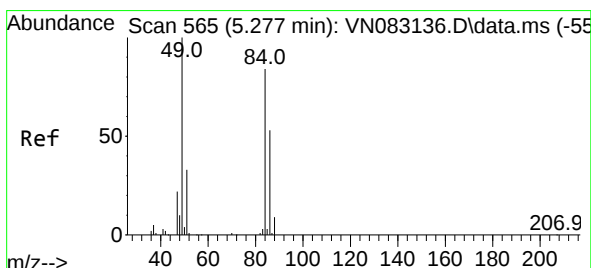
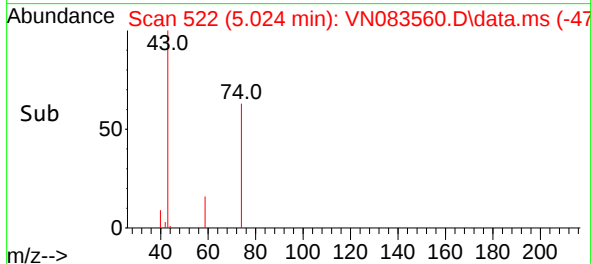
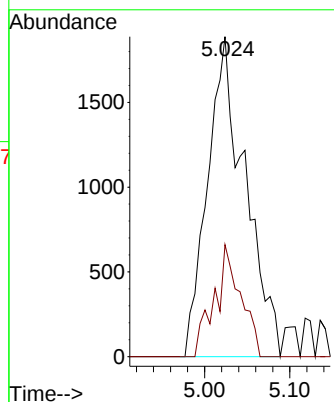


#18
Methyl Acetate
Concen: 2.477 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

Instrument :
MSVOA_N
ClientSampleId :

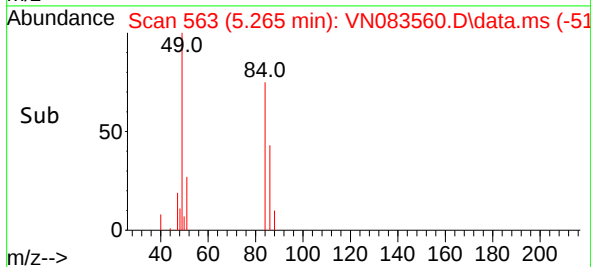
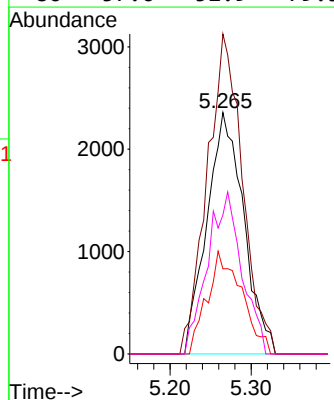
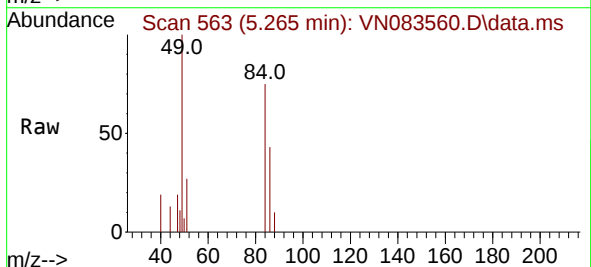


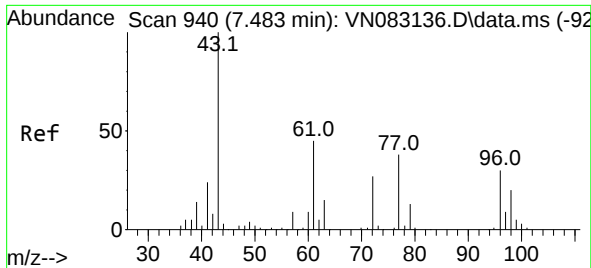
Tgt Ion: 43 Resp: 5784
Ion Ratio Lower Upper
43 100
74 24.5 16.3 24.5#



#20
Methylene Chloride
Concen: 4.116 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

Tgt Ion: 84 Resp: 7426
Ion Ratio Lower Upper
84 100
49 132.5 119.6 179.4
51 35.3 34.8 52.2
86 57.6 52.9 79.3

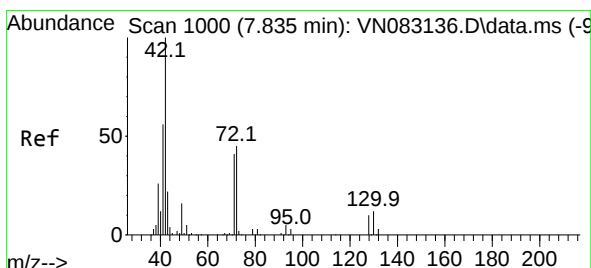
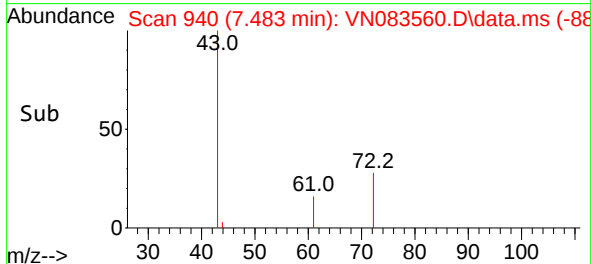
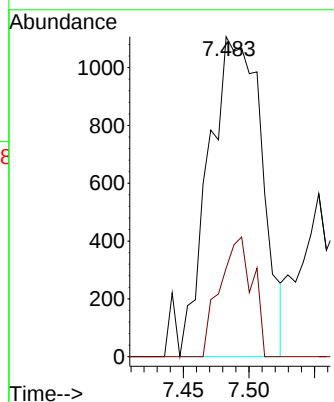
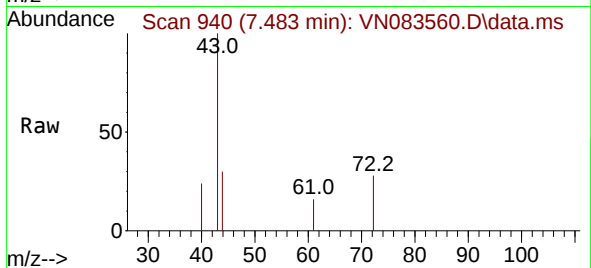




#25
2-Butanone
Concen: 2.581 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

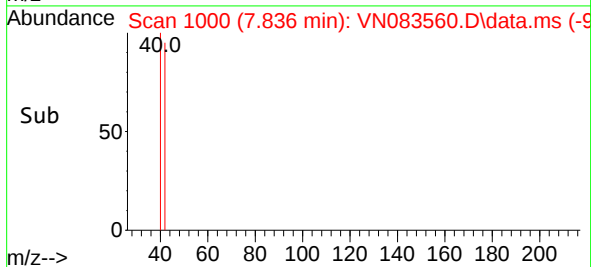
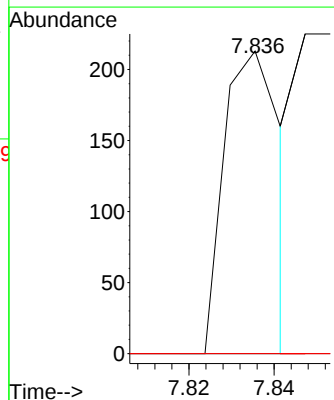
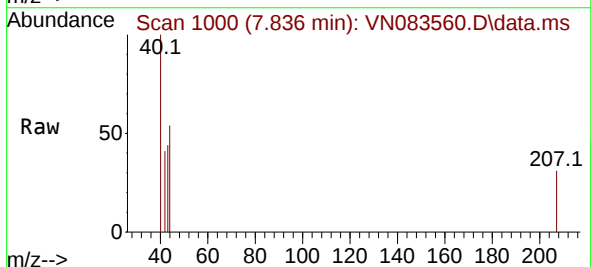
Instrument :
MSVOA_N
ClientSampleId :

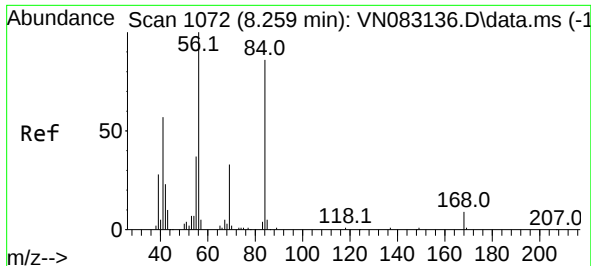
Tgt Ion: 43 Resp: 3107
Ion Ratio Lower Upper
43 100
72 27.6 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.254 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

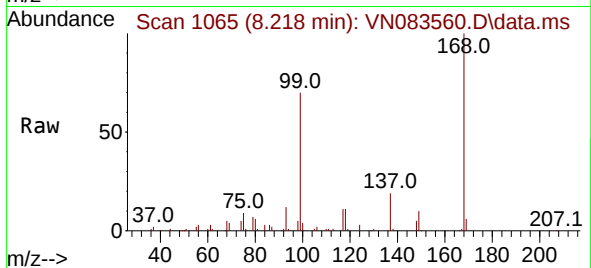
Tgt Ion: 42 Resp: 198
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



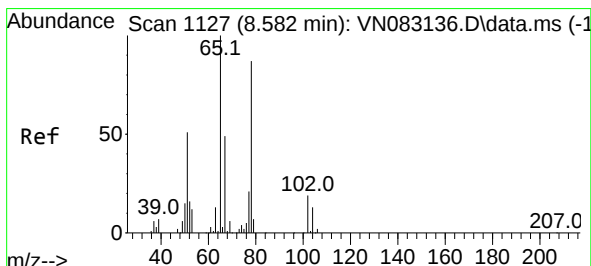
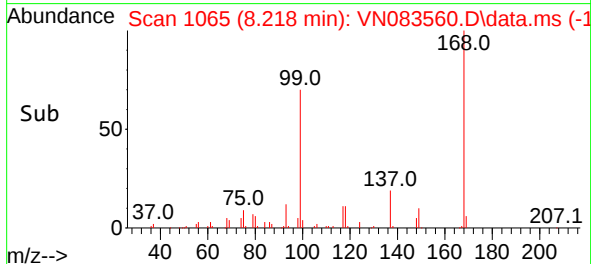
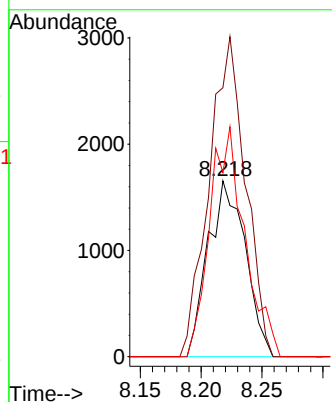


#31
Cyclohexane
Concen: 1.189 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

Instrument :
MSVOA_N
ClientSampleId :

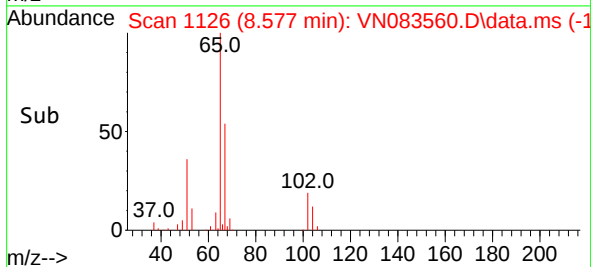
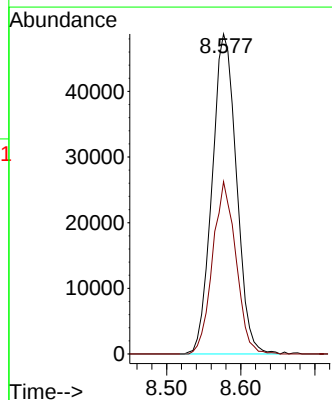
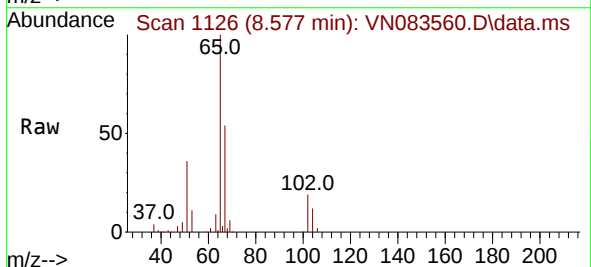


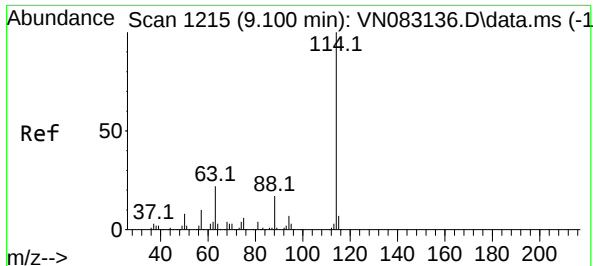
Tgt Ion: 56 Resp: 3531
Ion Ratio Lower Upper
56 100
69 153.0 24.5 36.7#
84 104.7 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 55.512 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

Tgt Ion: 65 Resp: 111205
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083560.D

Acq: 29 Aug 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :

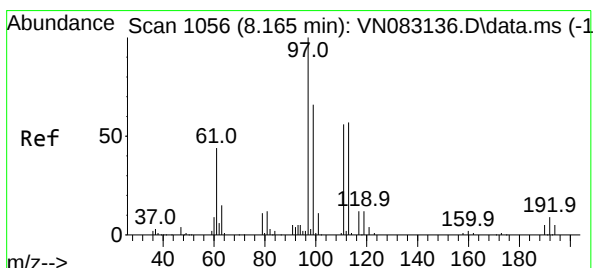
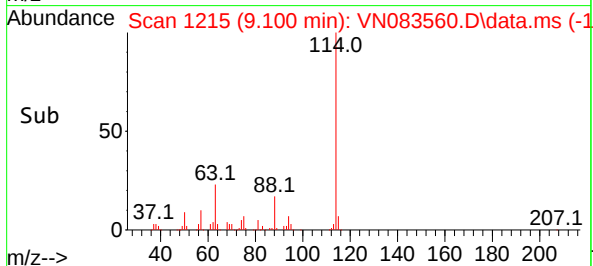
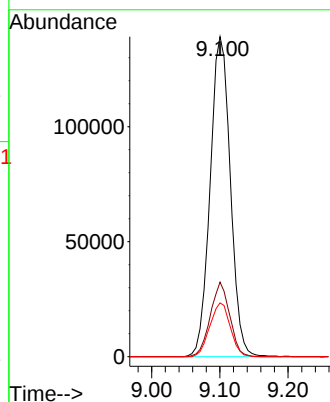
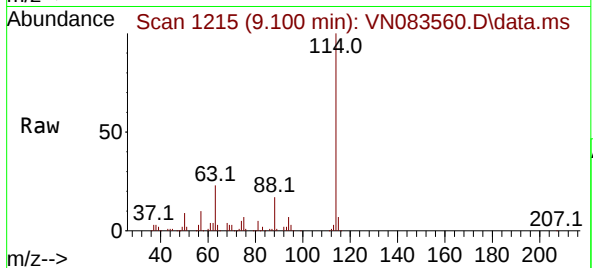
Tgt Ion:114 Resp: 287272

Ion Ratio Lower Upper

114 100

63 23.3 0.0 44.6

88 16.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.045 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083560.D

Acq: 29 Aug 2024 16:50

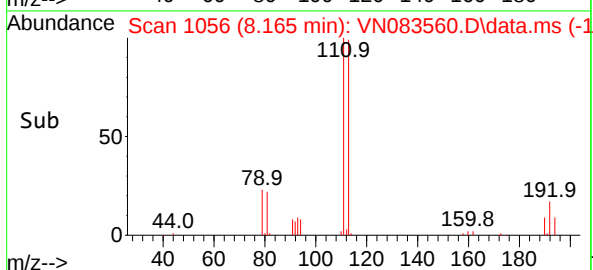
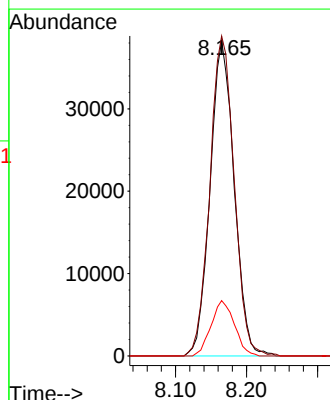
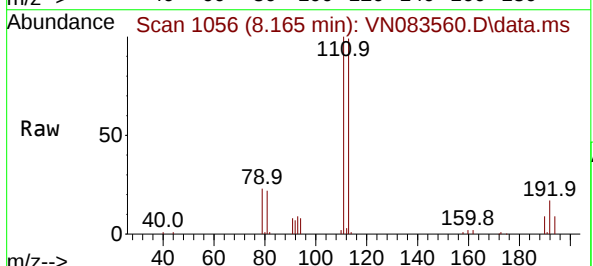
Tgt Ion:113 Resp: 89736

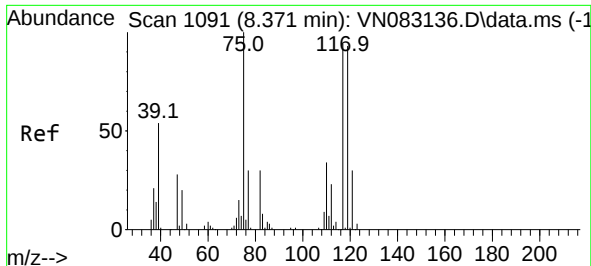
Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

192 17.1 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.612 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

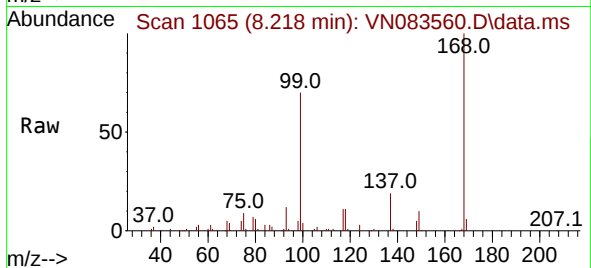
Lab File: VN083560.D

Acq: 29 Aug 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :



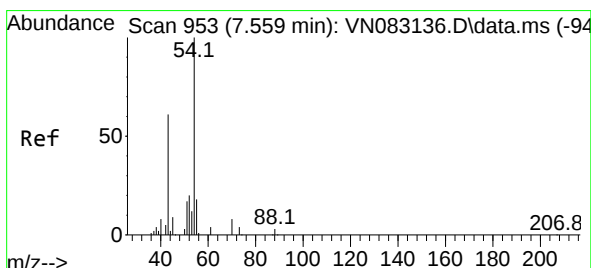
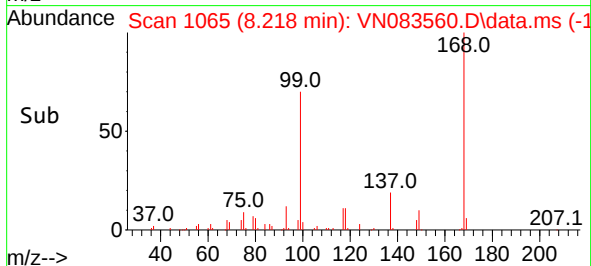
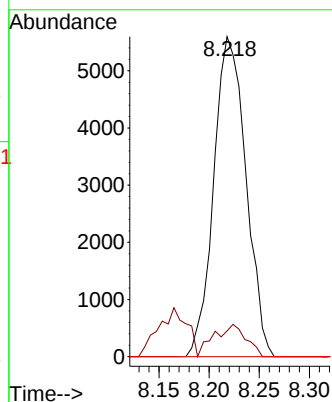
Tgt Ion: 75 Resp: 12509

Ion Ratio Lower Upper

75 100

110 10.0 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.348 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.006 min

Lab File: VN083560.D

Acq: 29 Aug 2024 16:50

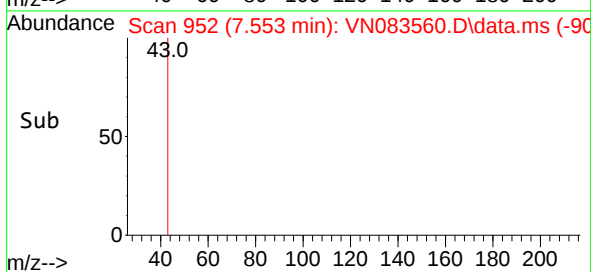
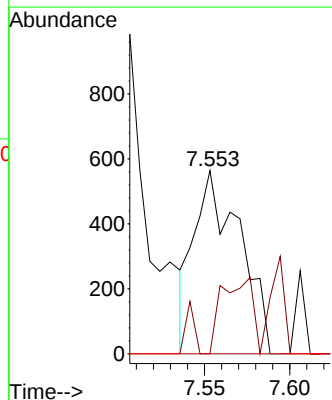
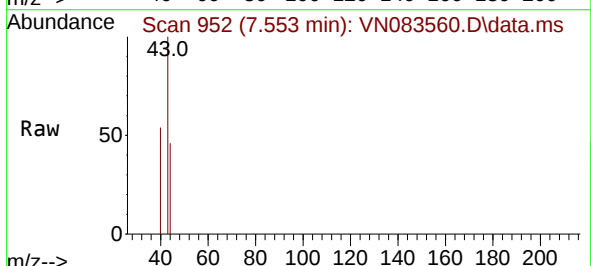
Tgt Ion: 43 Resp: 1057

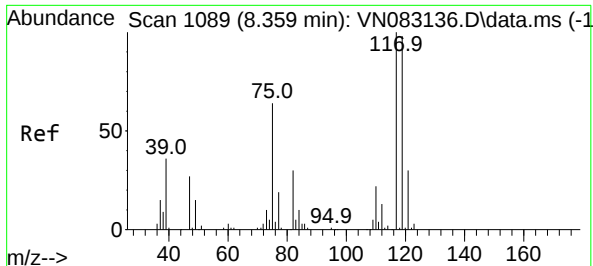
Ion Ratio Lower Upper

43 100

61 5.4 9.3 13.9#

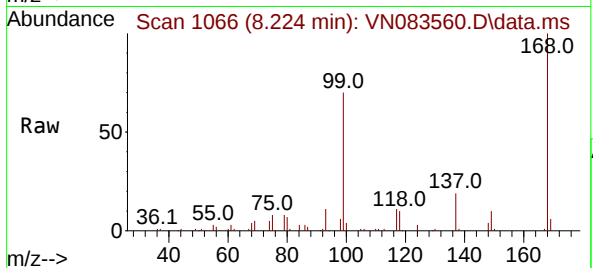
70 0.0 7.0 10.6#



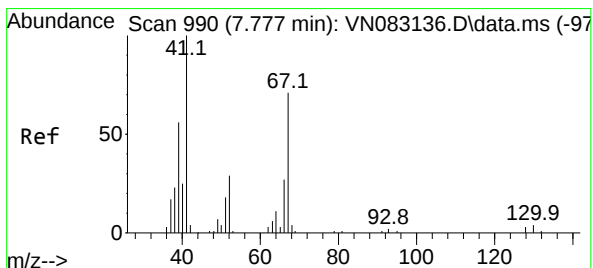
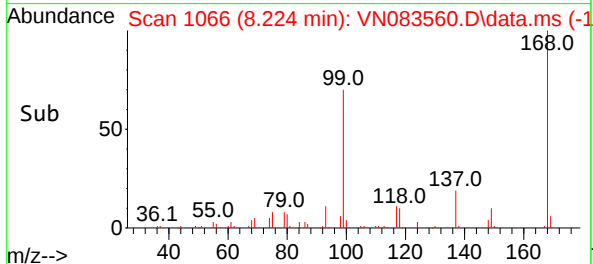
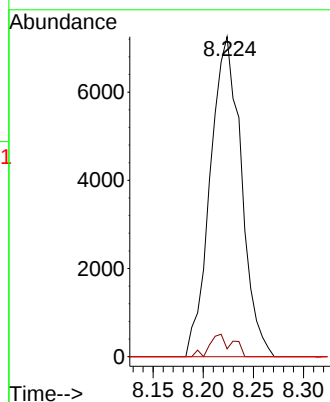


#38
Carbon Tetrachloride
Concen: 5.114 ug/l
RT: 8.224 min Scan# 1000
Delta R.T. -0.135 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

Instrument :
MSVOA_N
ClientSampleId :

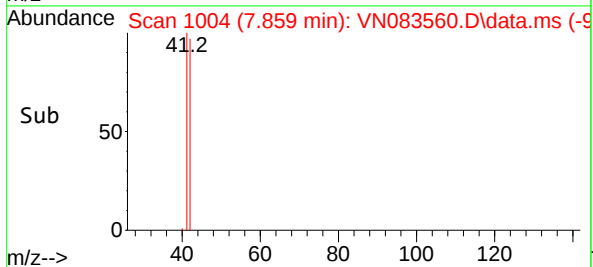
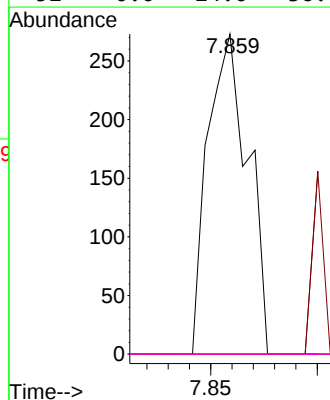
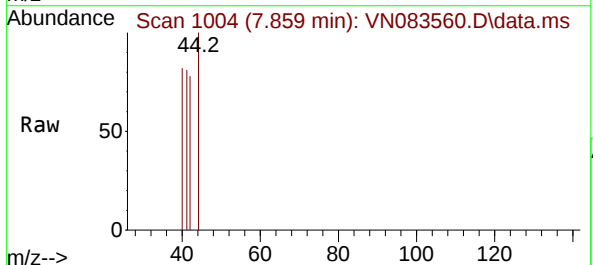


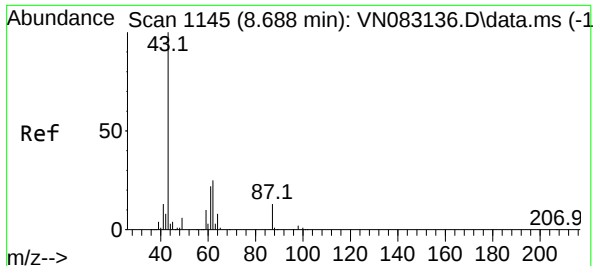
Tgt Ion:117 Resp: 15623
Ion Ratio Lower Upper
117 100
119 2.5 74.9 112.3#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 0.207 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.082 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

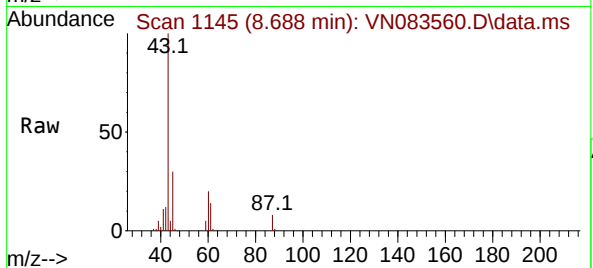
Tgt Ion: 41 Resp: 357
Ion Ratio Lower Upper
41 100
39 0.0 45.5 68.3#
67 0.0 50.5 75.7#
52 0.0 24.0 36.0#



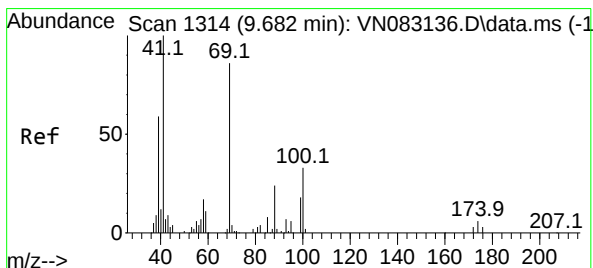
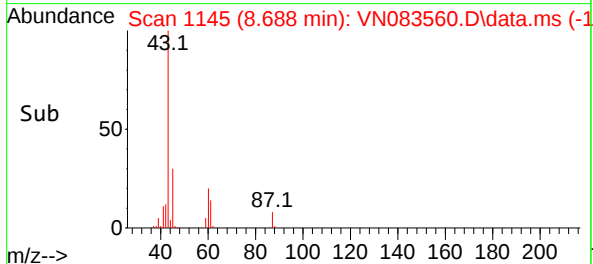
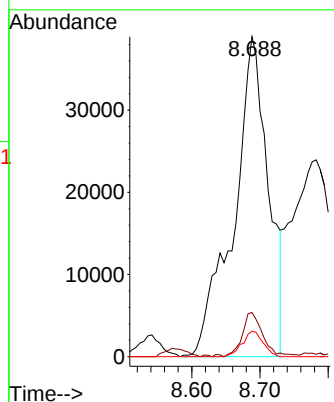


#43
Isopropyl Acetate
Concen: 24.753 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

Instrument :
MSVOA_N
ClientSampleId :

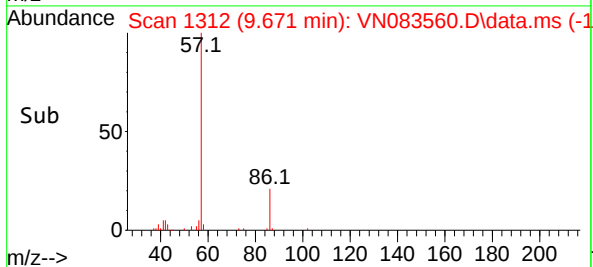
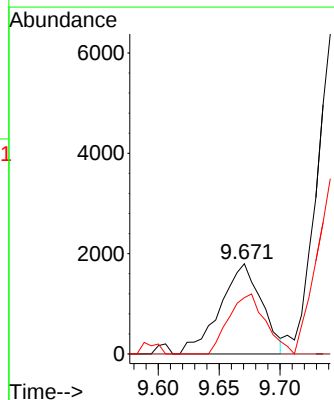
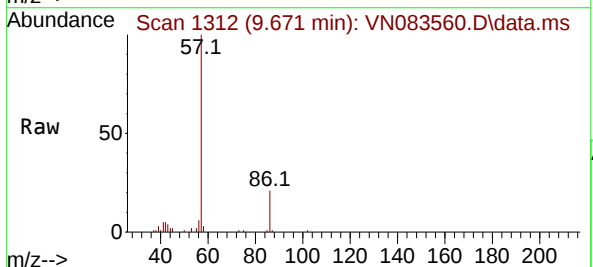


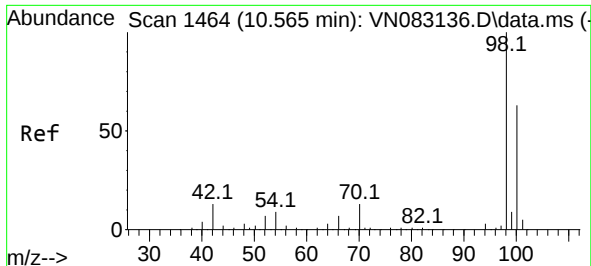
Tgt Ion: 43 Resp: 136961
Ion Ratio Lower Upper
43 100
61 8.3 17.8 26.6#
87 4.8 8.2 12.2#



#48
Methyl methacrylate
Concen: 1.703 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

Tgt Ion: 41 Resp: 4277
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 58.7 50.3 75.5

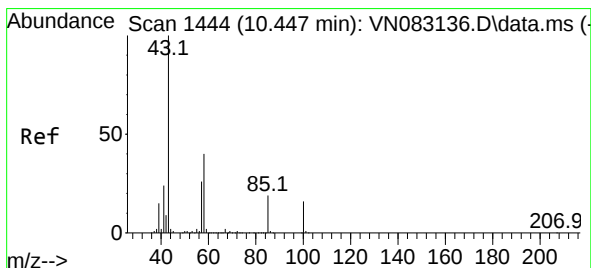
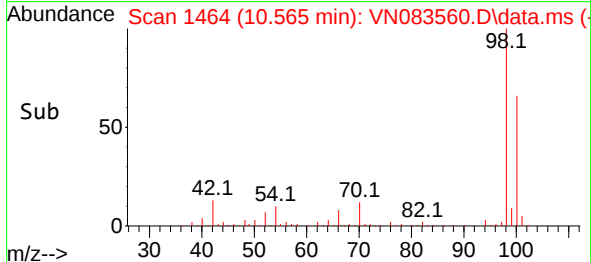
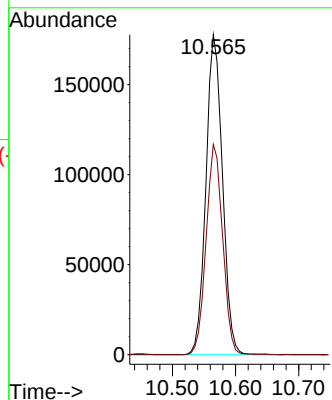
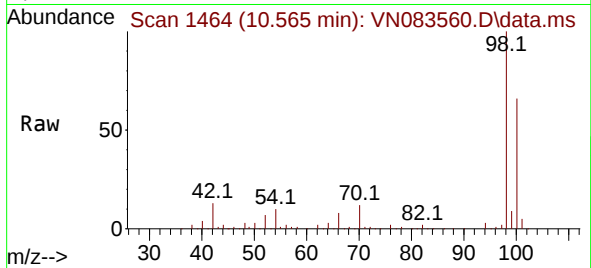




#50
Toluene-d8
Concen: 48.253 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

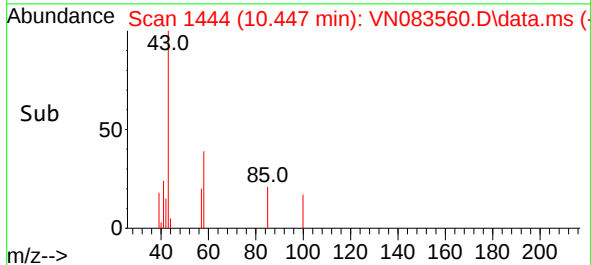
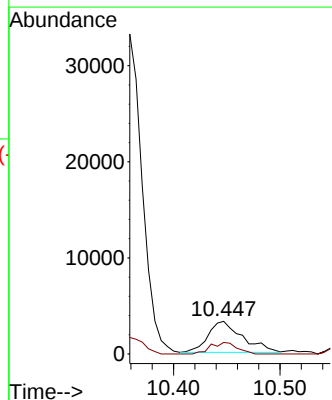
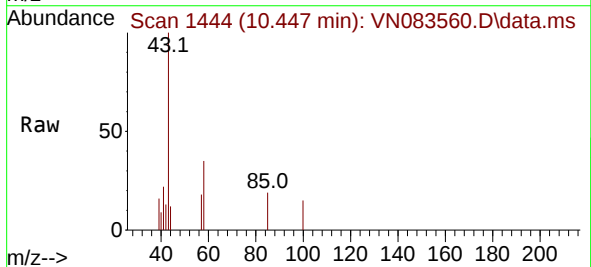
Instrument :
MSVOA_N
ClientSampleId :

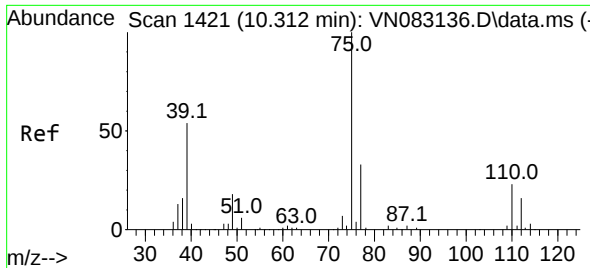
Tgt Ion: 98 Resp: 322750
Ion Ratio Lower Upper
98 100
100 65.8 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.514 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

Tgt Ion: 43 Resp: 7221
Ion Ratio Lower Upper
43 100
58 28.4 28.2 42.4

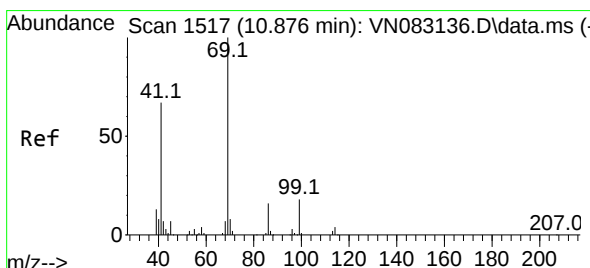
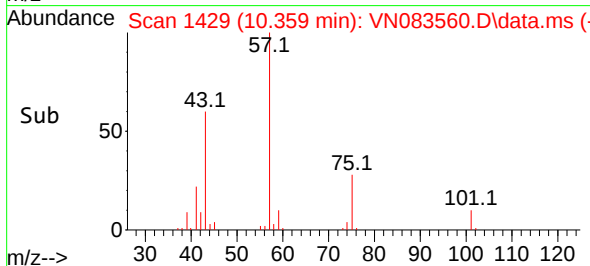
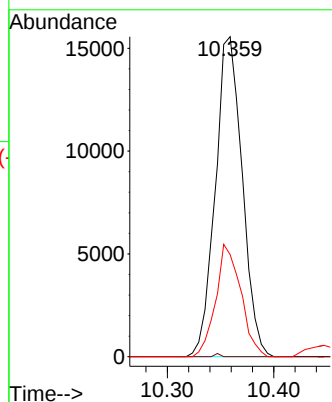
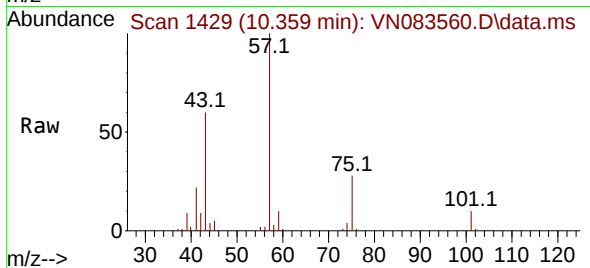




#54
 cis-1,3-Dichloropropene
 Concen: 8.103 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083560.D
 Acq: 29 Aug 2024 16:50

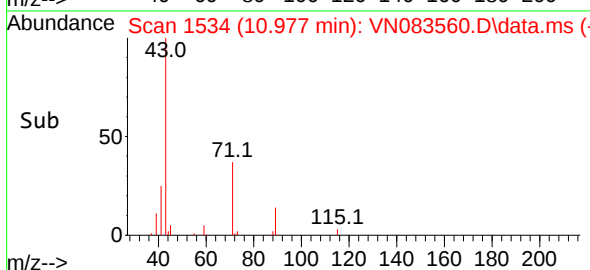
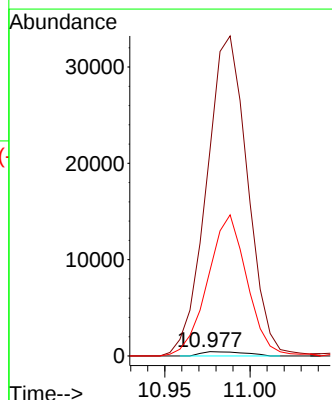
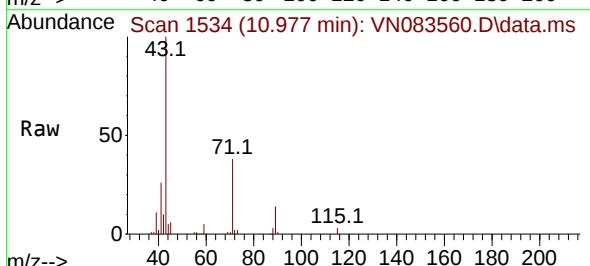
Instrument :
 MSVOA_N
 ClientSampleId :

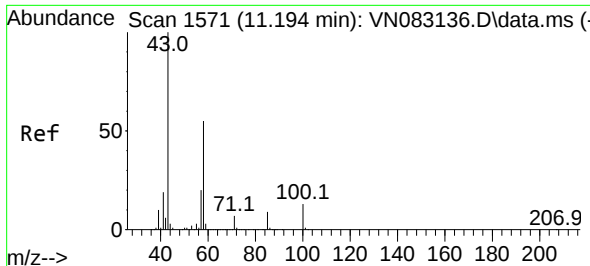
Tgt Ion: 75 Resp: 27292
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 31.9 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.236 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.100 min
 Lab File: VN083560.D
 Acq: 29 Aug 2024 16:50

Tgt Ion: 69 Resp: 815
 Ion Ratio Lower Upper
 69 100
 41 6841.2 63.4 95.2#
 39 2894.1 37.4 56.0#

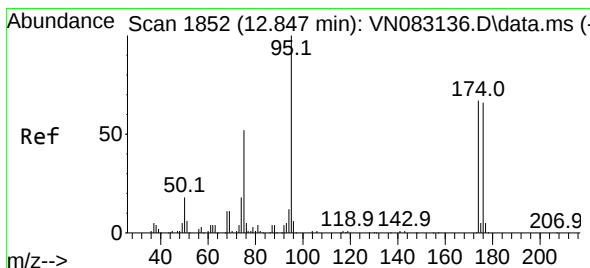
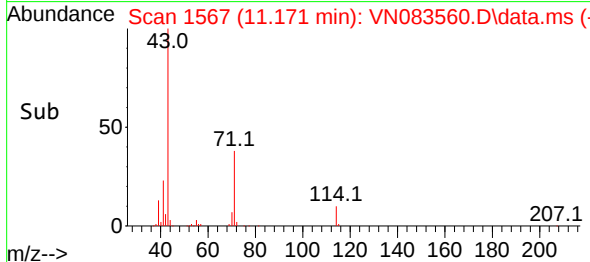
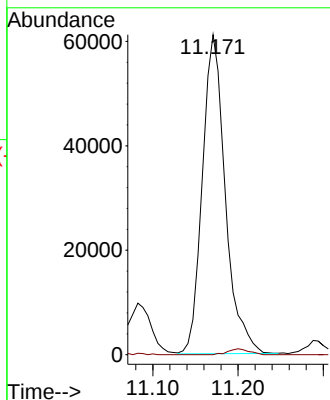
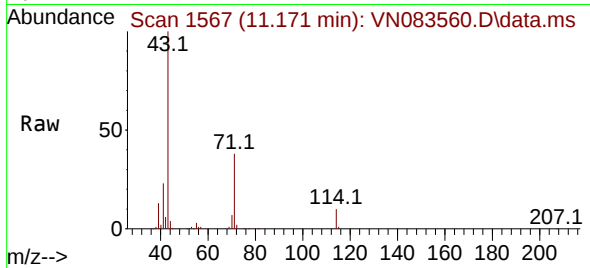




#59
2-Hexanone
Concen: 51.489 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

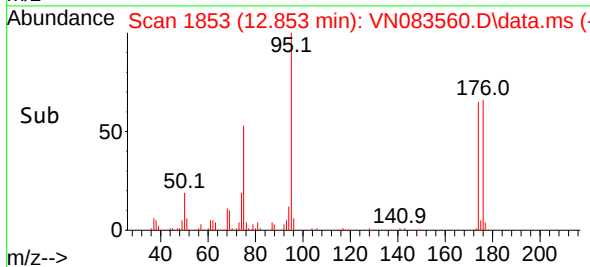
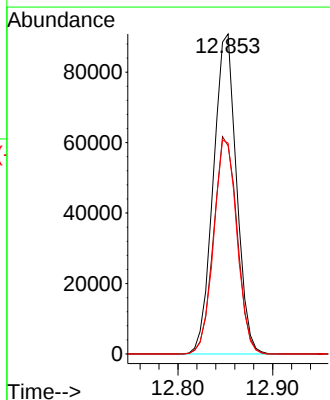
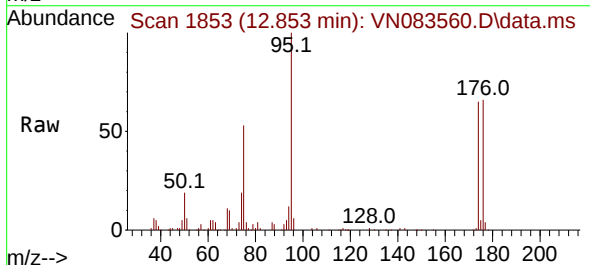
Instrument :
MSVOA_N
ClientSampleId :

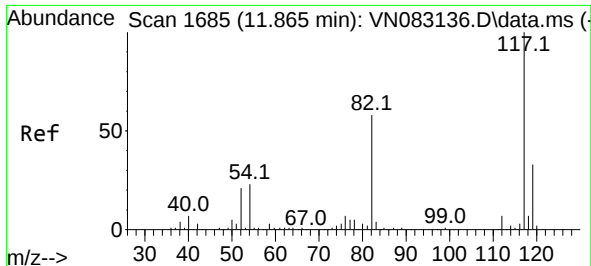
Tgt Ion: 43 Resp: 114401
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 59.257 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

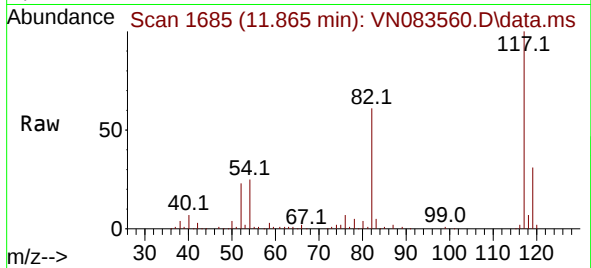
Tgt Ion: 95 Resp: 154519
Ion Ratio Lower Upper
95 100
174 68.8 0.0 159.2
176 67.4 0.0 147.6



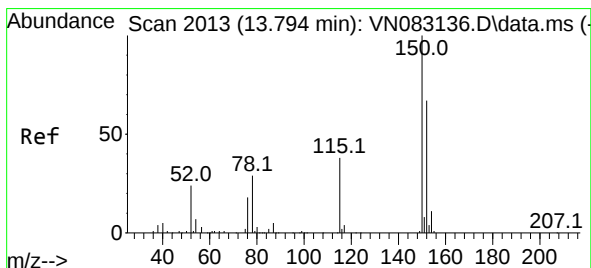
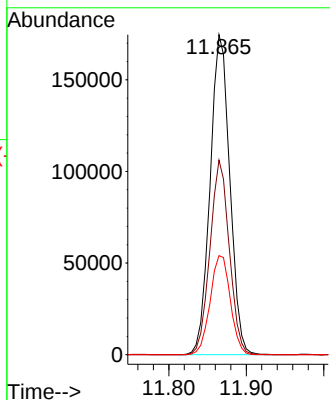
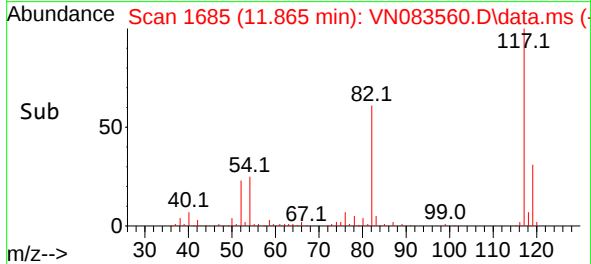


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50

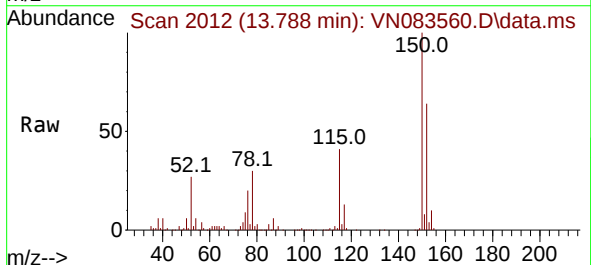
Instrument :
MSVOA_N
ClientSampleId :



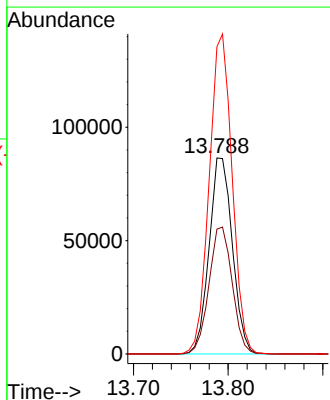
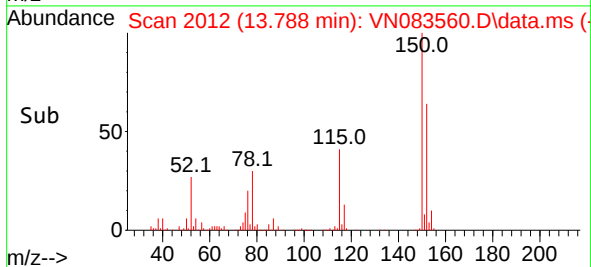
Tgt Ion:117 Resp: 309105
Ion Ratio Lower Upper
117 100
82 60.8 47.5 71.3
119 30.9 25.6 38.4

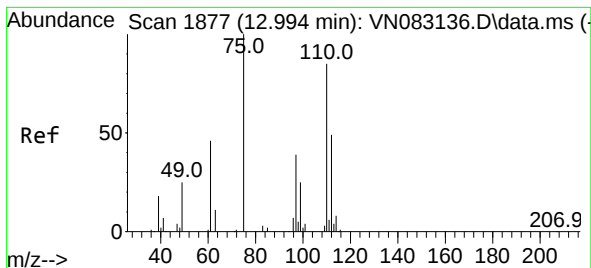


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN083560.D
Acq: 29 Aug 2024 16:50



Tgt Ion:152 Resp: 147739
Ion Ratio Lower Upper
152 100
115 64.7 30.6 91.6
150 160.3 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 26.091 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083560.D

Acq: 29 Aug 2024 16:50

Instrument :

MSVOA_N

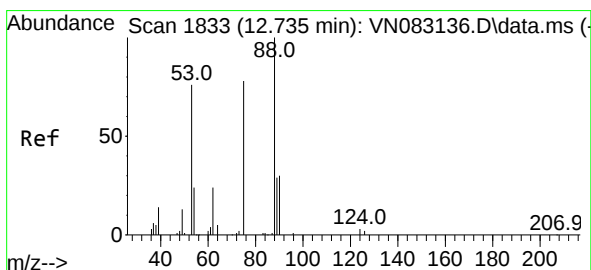
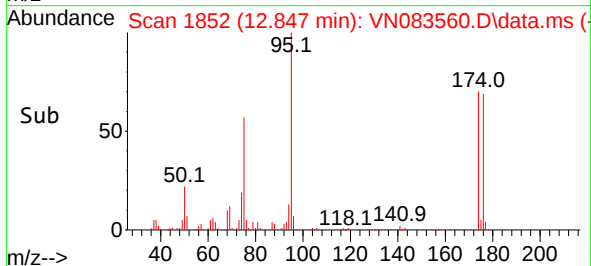
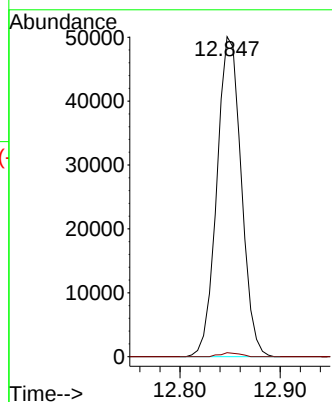
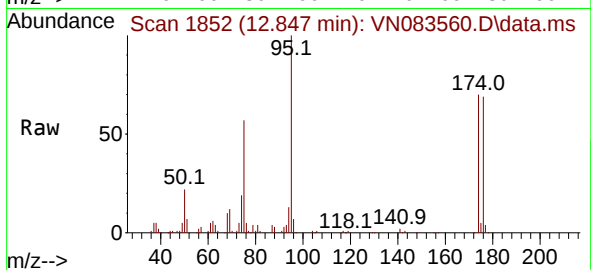
ClientSampleId :

Tgt Ion: 75 Resp: 84599

Ion Ratio Lower Upper

75 100

77 1.0 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.753 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083560.D

Acq: 29 Aug 2024 16:50

Tgt Ion: 75 Resp: 84599

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.1 36.3 54.5#

