

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081624\
 Data File : VN083359.D
 Acq On : 16 Aug 2024 17:16
 Operator : JC\MD
 Sample : PB162767ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 01:51:52 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)

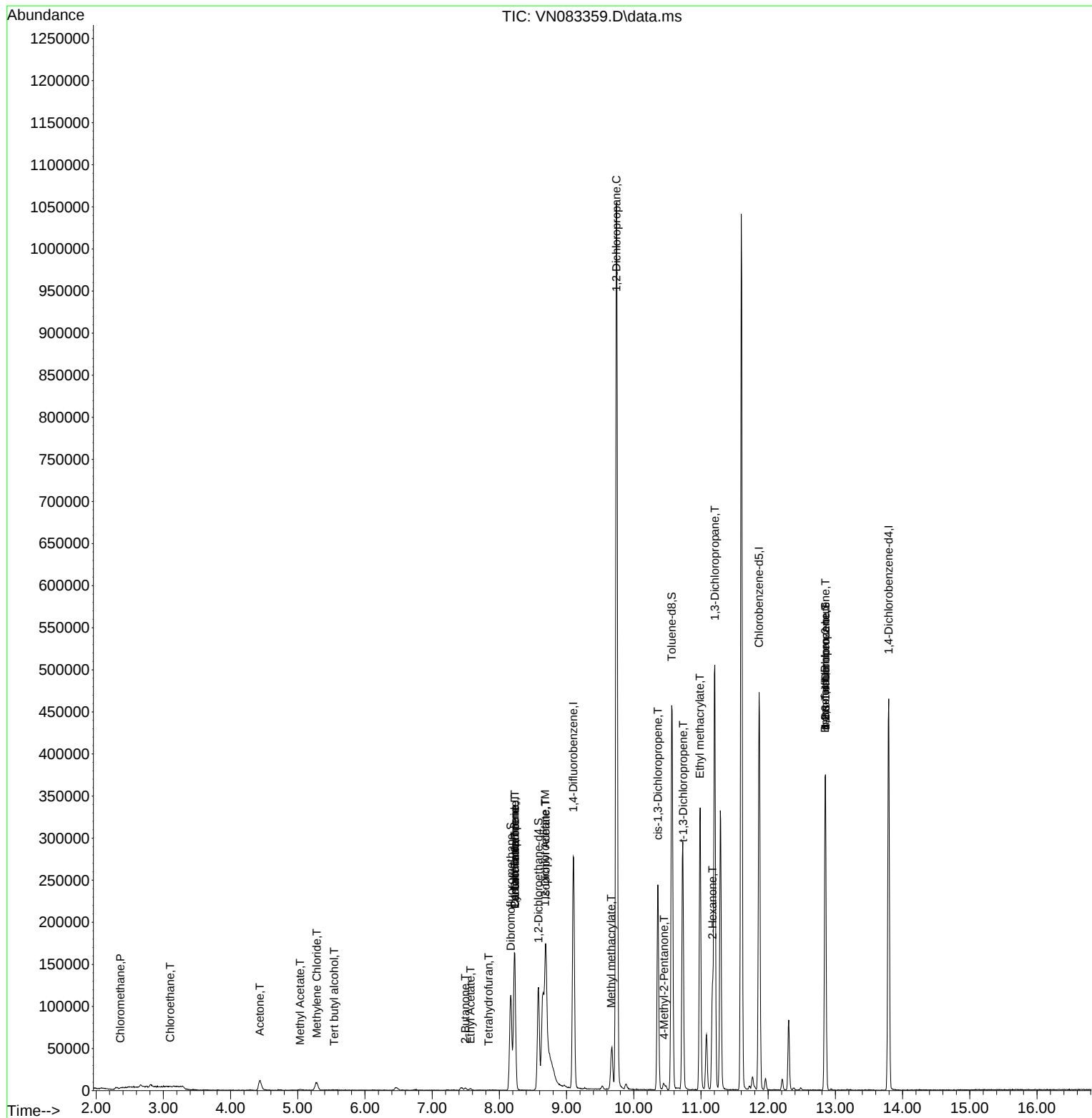
Internal Standards						
1) Pentafluorobenzene	8.230	168	113390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	230383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118073	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	104985	65.047	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 130.100%#	
35) Dibromofluoromethane	8.171	113	82590	57.434	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 114.860%	
50) Toluene-d8	10.565	98	317606	59.210	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 118.420%#	
62) 4-Bromofluorobenzene	12.853	95	134290	64.216	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 128.440%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	272	0.207	ug/l #	43
6) Chloroethane	3.101	64	237	0.282	ug/l #	41
11) Tert butyl alcohol	5.542	59	169	0.504	ug/l #	71
16) Acetone	4.436	43	23912	37.863	ug/l	95
18) Methyl Acetate	5.036	43	2103	1.118	ug/l #	68
20) Methylene Chloride	5.283	84	7640	5.256	ug/l #	79
25) 2-Butanone	7.494	43	4793	4.943	ug/l	93
29) Tetrahydrofuran	7.841	42	148	0.236	ug/l #	38
31) Cyclohexane	8.230	56	2985	1.248	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	10207	4.692	ug/l #	48
37) Ethyl Acetate	7.571	43	3230	1.326	ug/l #	86
38) Carbon Tetrachloride	8.230	117	12338	5.036	ug/l #	18
42) 1,2-Dichloroethane	8.683	62	1200	0.508	ug/l #	78
43) Isopropyl Acetate	8.688	43	386676	96.160	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	1477	0.960	ug/l #	44
48) Methyl methacrylate	9.665	41	3472	1.724	ug/l #	52
51) 4-Methyl-2-Pentanone	10.453	43	4852	2.107	ug/l	95
53) t-1,3-Dichloropropene	10.735	75	742	0.292	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	42428	15.708	ug/l #	58
56) Ethyl methacrylate	10.982	69	1033	0.373	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5338	2.041	ug/l #	43
59) 2-Hexanone	11.171	43	101356	56.883	ug/l #	28
71) Bromoform	12.847	173	839	0.548	ug/l #	29
76) 1,2,3-Trichloropropane	12.853	75	74038	28.571	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	74038	62.148	ug/l #	6

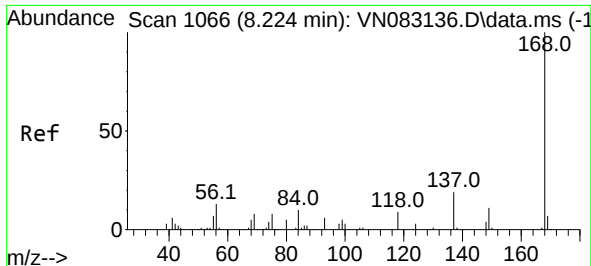
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081624\
Data File : VN083359.D
Acq On : 16 Aug 2024 17:16
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Instrument :
MSVOA_N
ClientSampleId :

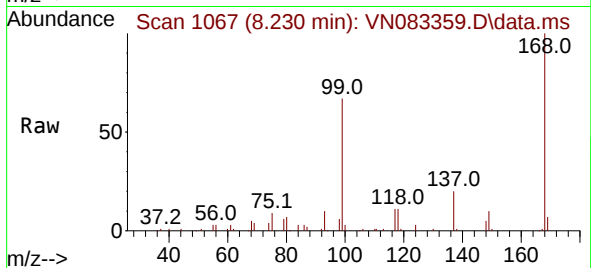
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QLast Update : Thu Aug 08 06:30:41 2024
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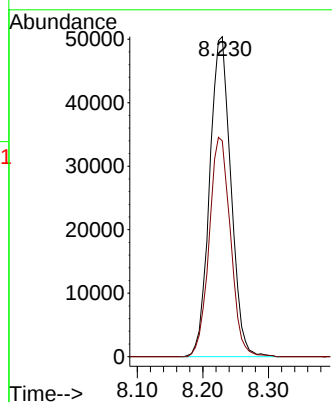
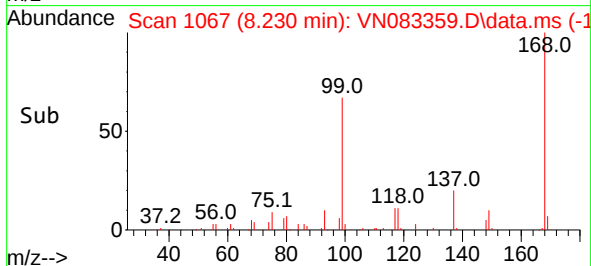


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :

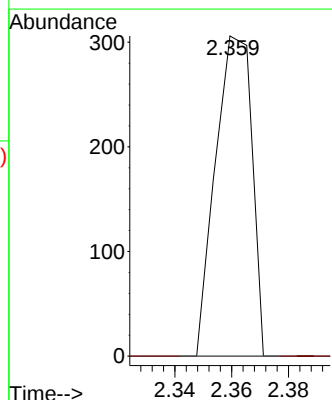
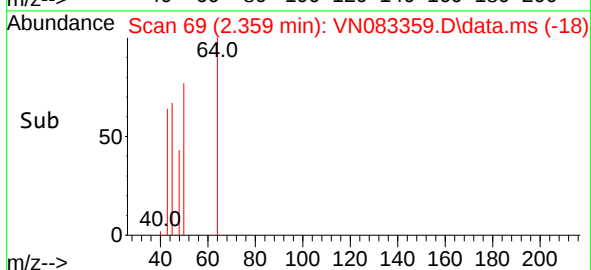
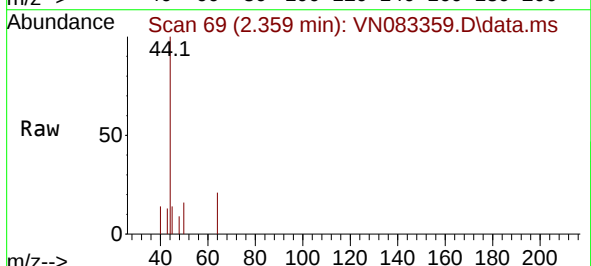


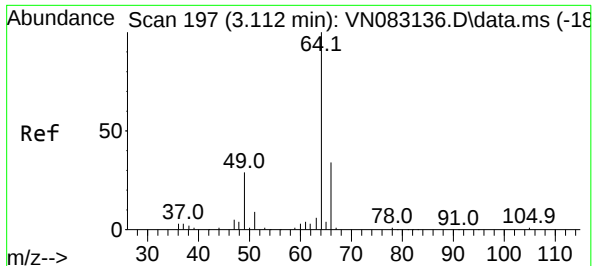
Tgt Ion:168 Resp: 113390
Ion Ratio Lower Upper
168 100
99 67.5 48.2 72.4



#3
Chloromethane
Concen: 0.207 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

Tgt Ion: 50 Resp: 272
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

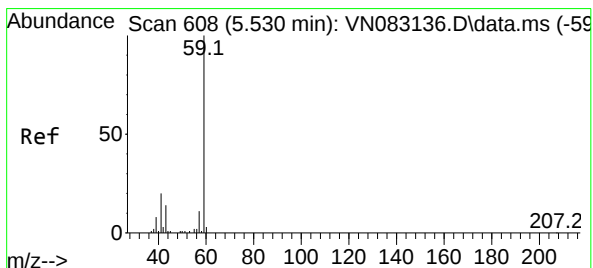
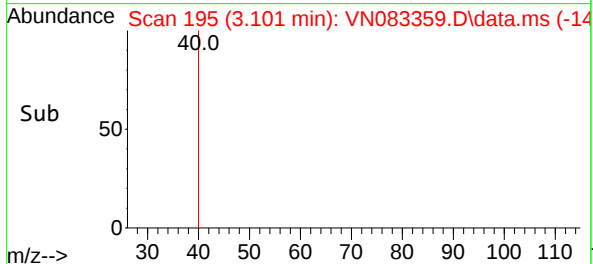
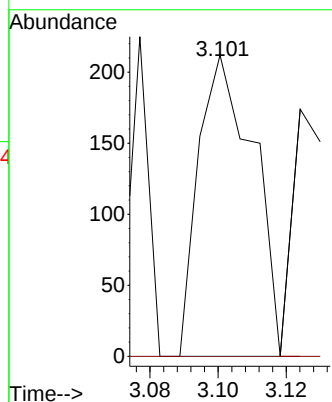
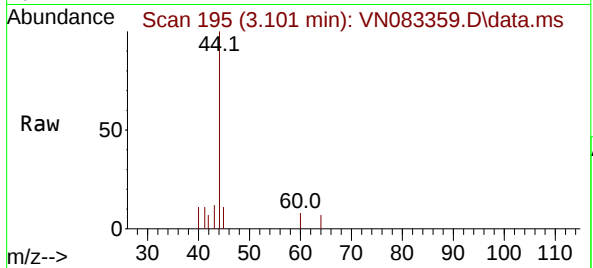




#6
Chloroethane
Concen: 0.282 ug/l
RT: 3.101 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

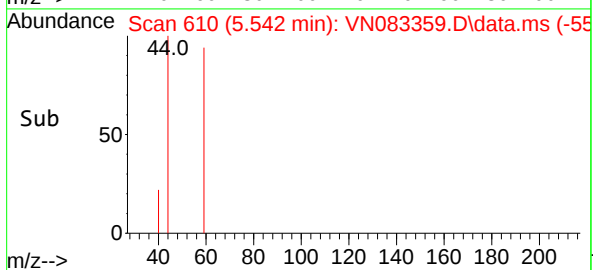
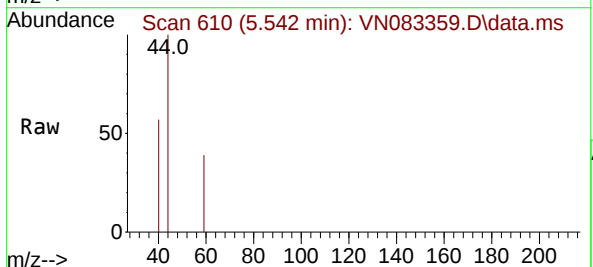
Instrument :
MSVOA_N
ClientSampleId :

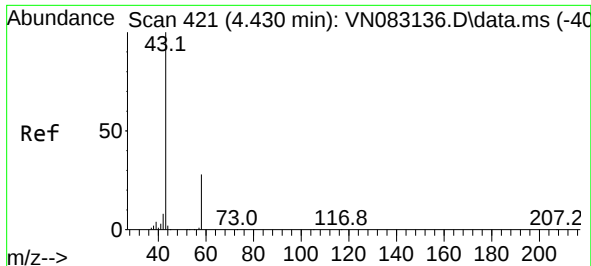
Tgt Ion: 64 Resp: 237
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#11
Tert butyl alcohol
Concen: 0.504 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

Tgt Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

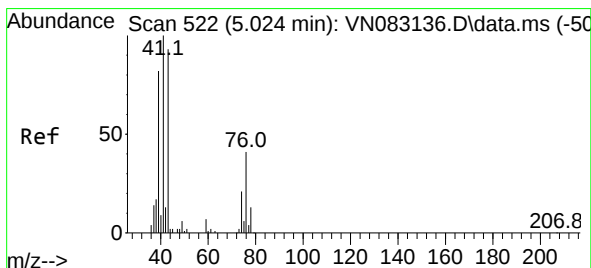
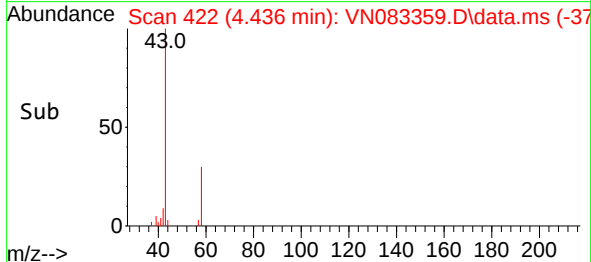
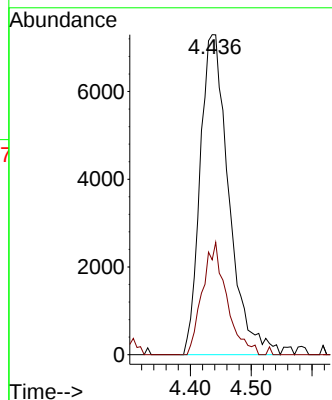
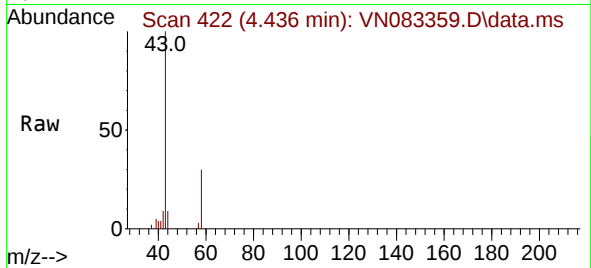




#16
Acetone
Concen: 37.863 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

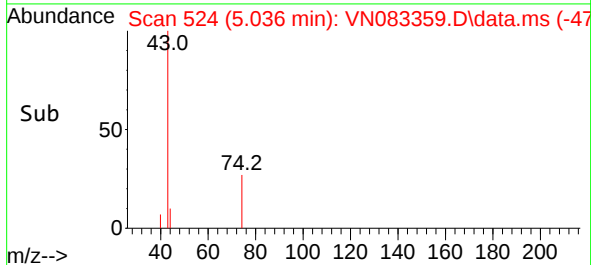
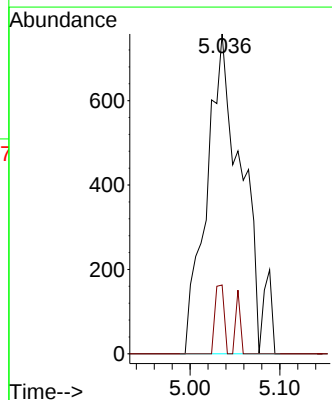
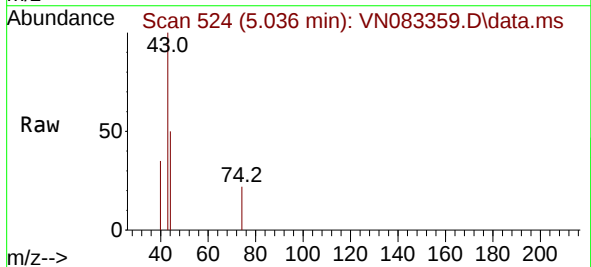
Instrument :
MSVOA_N
ClientSampleId :

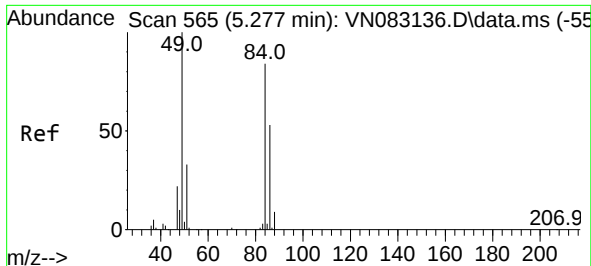
Tgt Ion: 43 Resp: 23912
Ion Ratio Lower Upper
43 100
58 29.6 21.8 32.6



#18
Methyl Acetate
Concen: 1.118 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

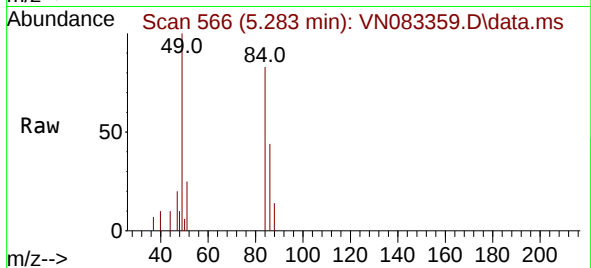
Tgt Ion: 43 Resp: 2103
Ion Ratio Lower Upper
43 100
74 5.4 16.3 24.5#



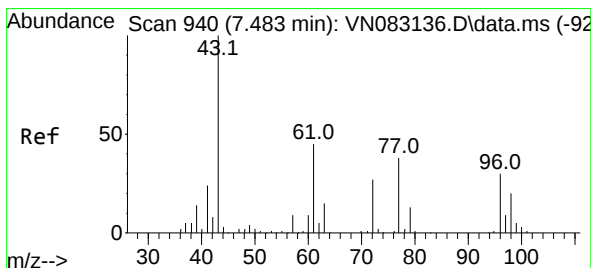
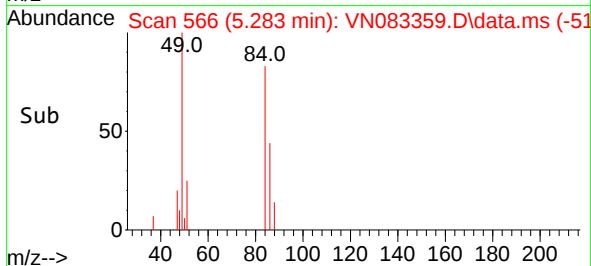
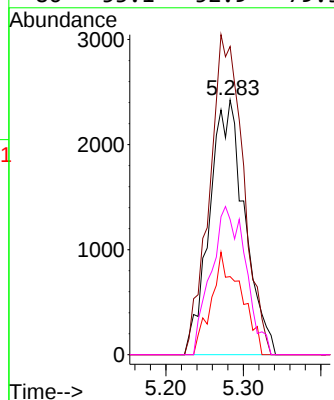


#20
Methylene Chloride
Concen: 5.256 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :

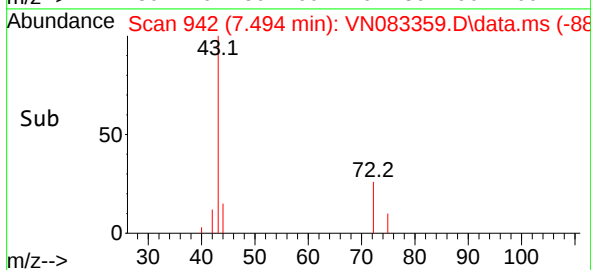
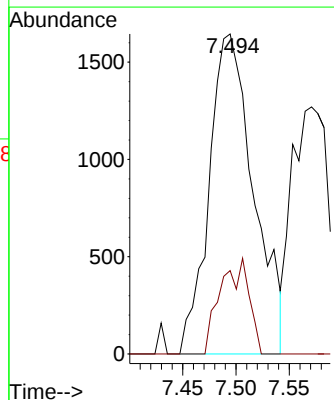
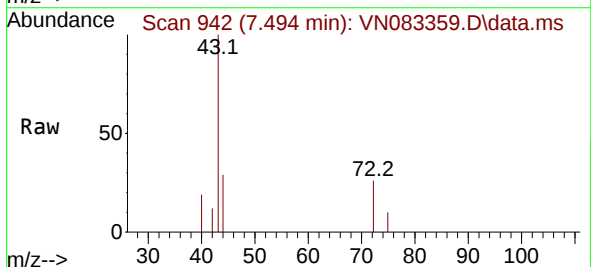


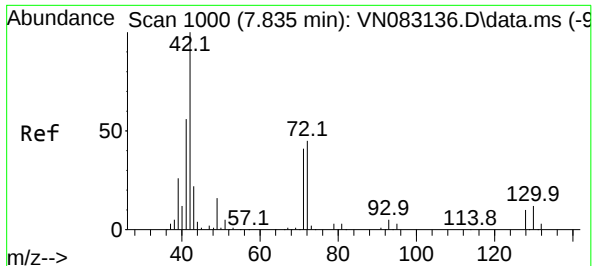
Tgt Ion:	84	Resp:	7640
Ion	Ratio	Lower	Upper
84	100		
49	121.0	119.6	179.4
51	30.7	34.8	52.2#
86	53.1	52.9	79.3



#25
2-Butanone
Concen: 4.943 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

Tgt Ion:	43	Resp:	4793
Ion	Ratio	Lower	Upper
43	100		
72	26.1	18.2	27.2





#29

Tetrahydrofuran

Concen: 0.236 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

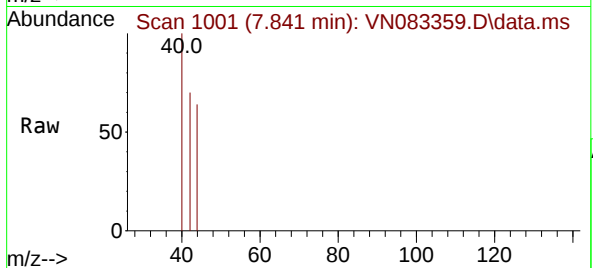
Lab File: VN083359.D

Acq: 16 Aug 2024 17:16

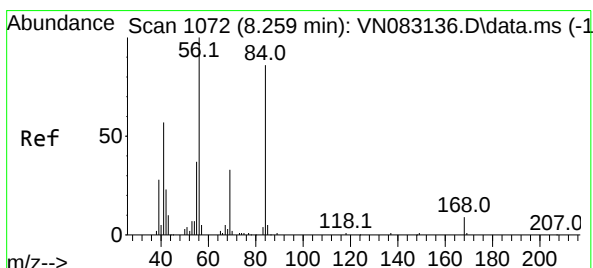
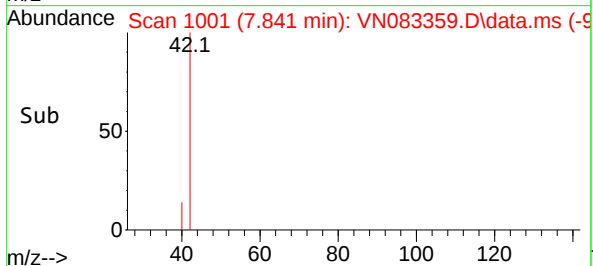
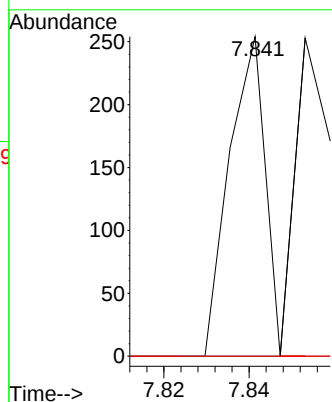
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	148
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.248 ug/l

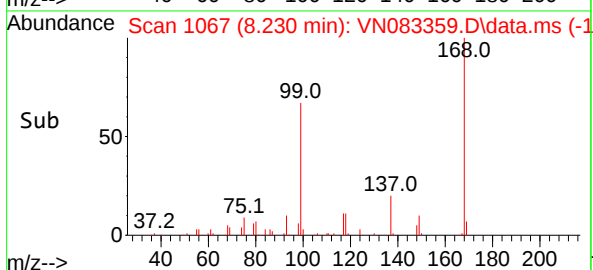
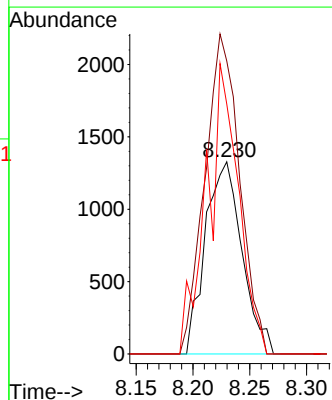
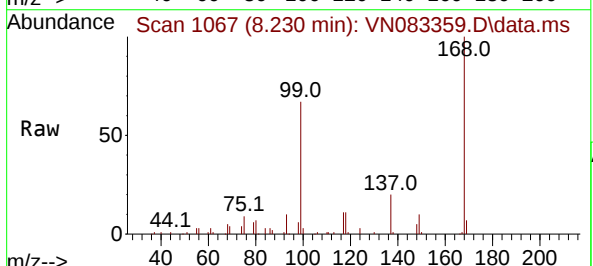
RT: 8.230 min Scan# 1067

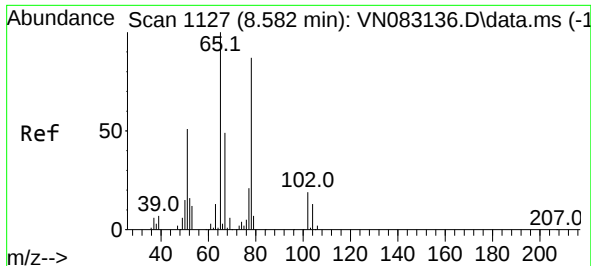
Delta R.T. -0.029 min

Lab File: VN083359.D

Acq: 16 Aug 2024 17:16

Tgt Ion:	56	Resp:	2985
Ion	Ratio	Lower	Upper
56	100		
69	152.4	24.5	36.7#
84	130.0	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 65.047 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN083359.D

Acq: 16 Aug 2024 17:16

Instrument :

MSVOA_N

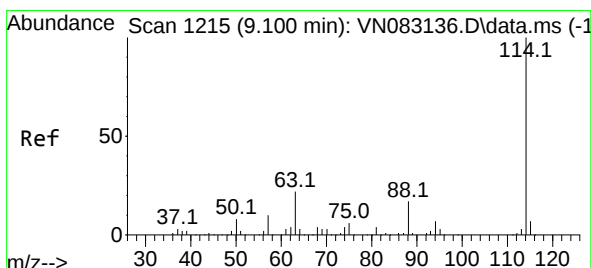
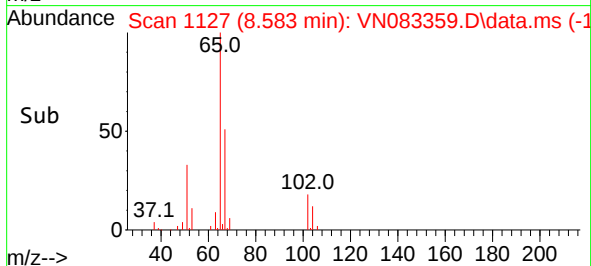
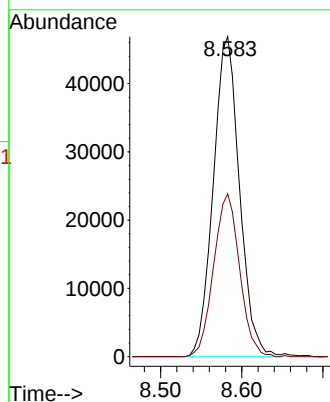
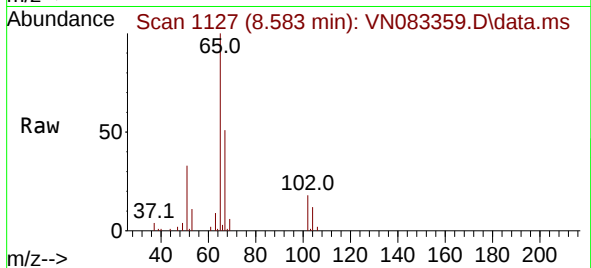
ClientSampleId :

Tgt Ion: 65 Resp: 104985

Ion Ratio Lower Upper

65 100

67 50.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083359.D

Acq: 16 Aug 2024 17:16

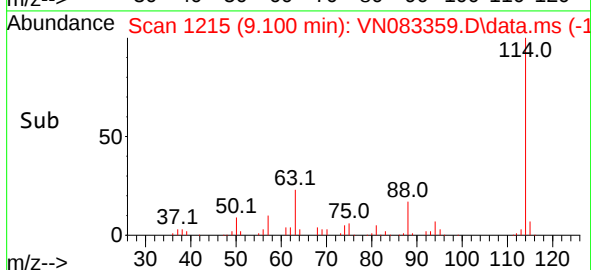
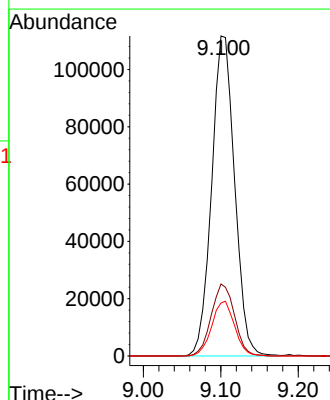
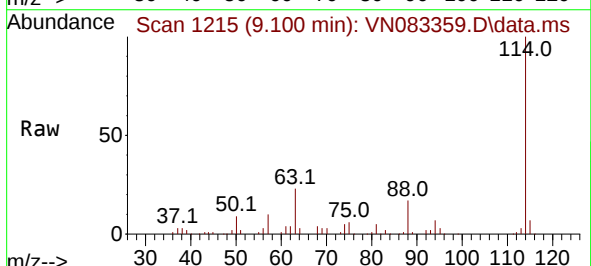
Tgt Ion: 114 Resp: 230383

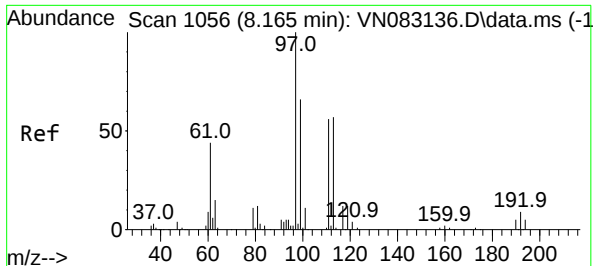
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.6

88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 57.434 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN083359.D

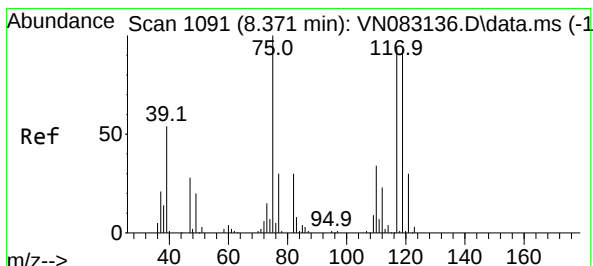
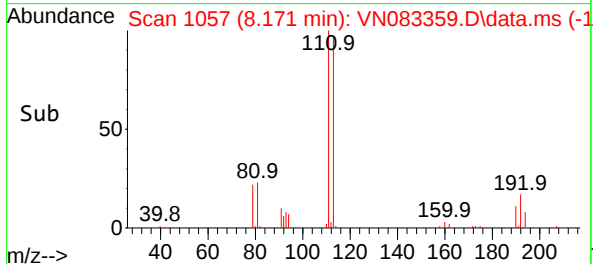
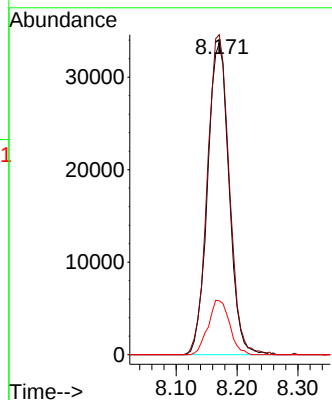
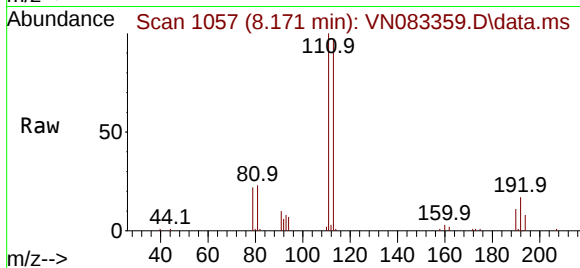
Acq: 16 Aug 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:113	Resp:	82590
Ion	Ratio	Lower Upper
113	100	
111	104.2	82.4 123.6
192	17.4	14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.692 ug/l

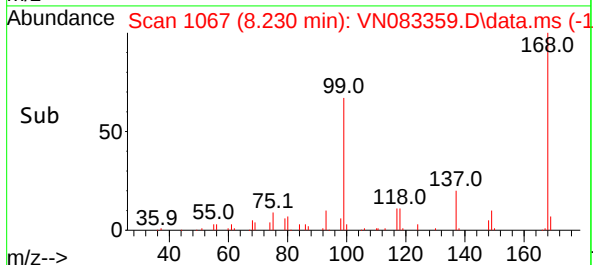
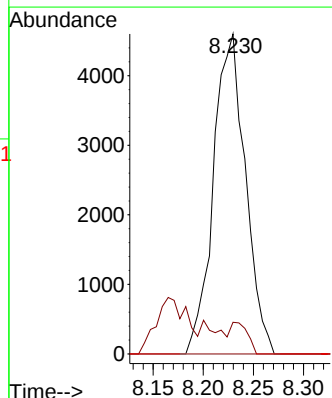
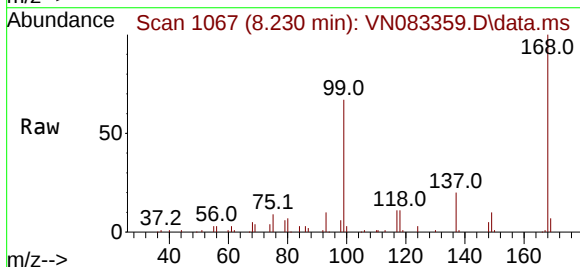
RT: 8.230 min Scan# 1067

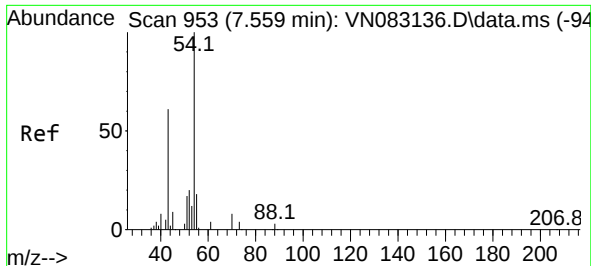
Delta R.T. -0.141 min

Lab File: VN083359.D

Acq: 16 Aug 2024 17:16

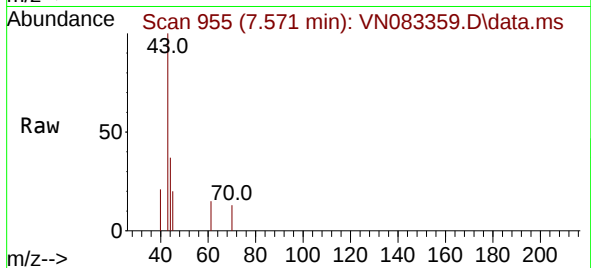
Tgt Ion: 75	Resp:	10207
Ion	Ratio	Lower Upper
75	100	
110	5.1	16.3 48.9#
77	0.0	24.6 37.0#



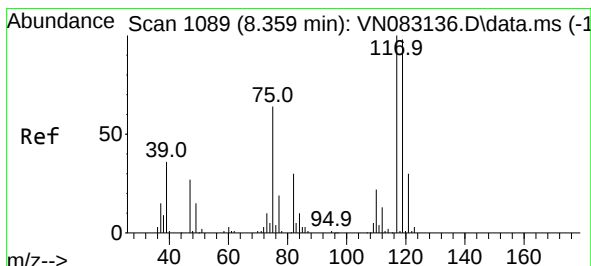
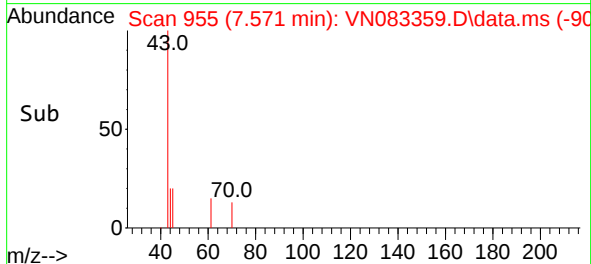
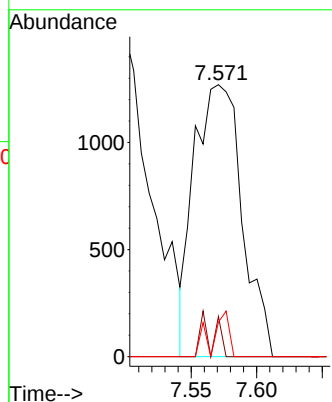


#37
Ethyl Acetate
Concen: 1.326 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :

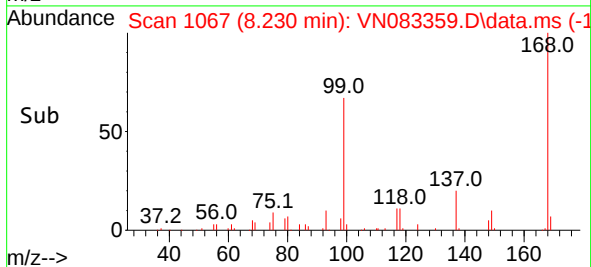
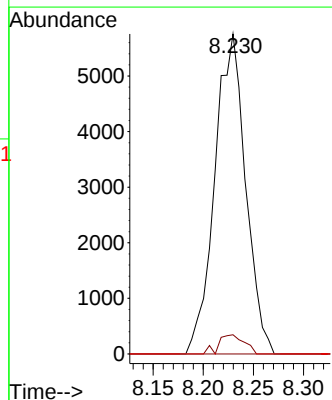
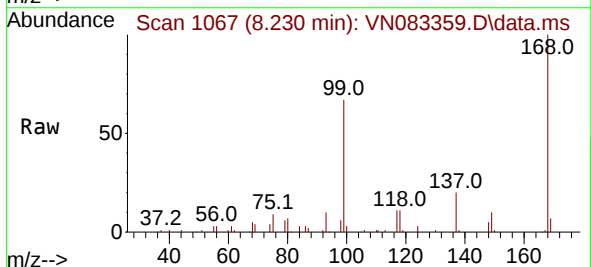


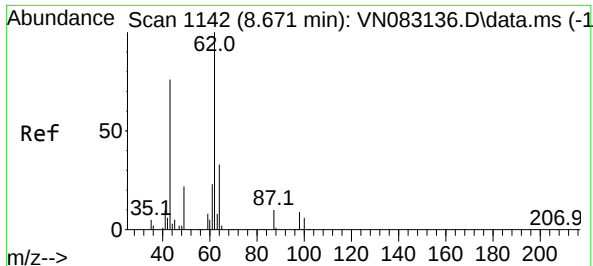
Tgt Ion: 43 Resp: 3230
Ion Ratio Lower Upper
43 100
61 4.4 9.3 13.9#
70 5.8 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.036 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

Tgt Ion: 117 Resp: 12338
Ion Ratio Lower Upper
117 100
119 6.0 74.9 112.3#
121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.508 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083359.D

Acq: 16 Aug 2024 17:16

Instrument :

MSVOA_N

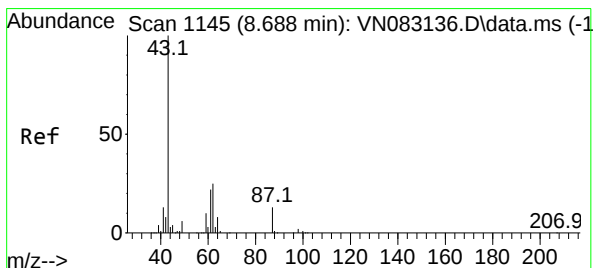
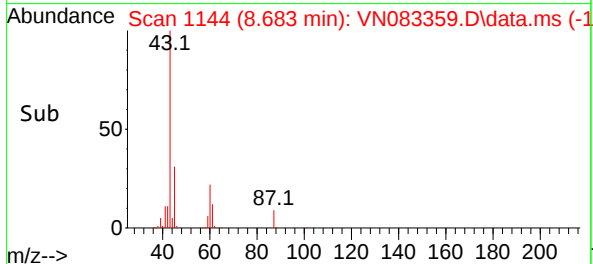
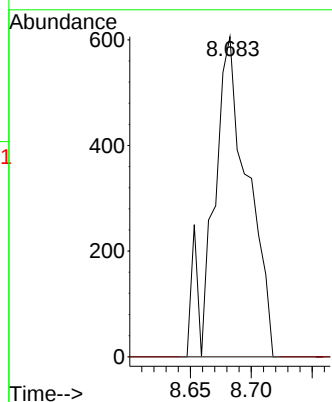
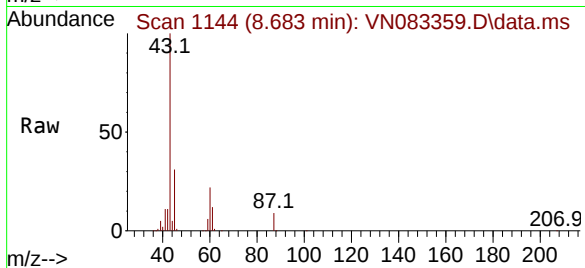
ClientSampleId :

Tgt Ion: 62 Resp: 1200

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 96.160 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083359.D

Acq: 16 Aug 2024 17:16

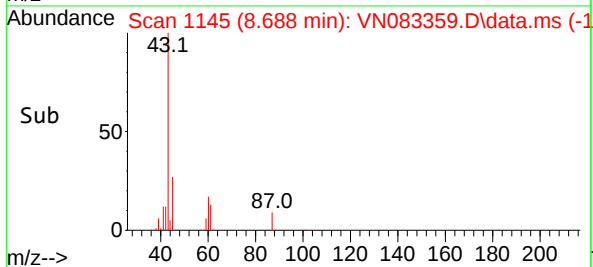
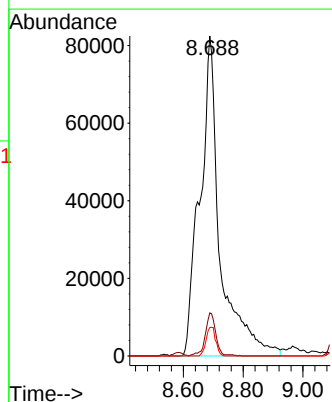
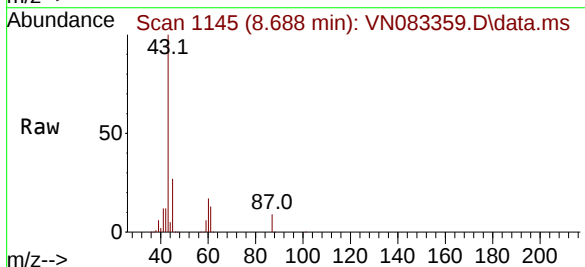
Tgt Ion: 43 Resp: 386676

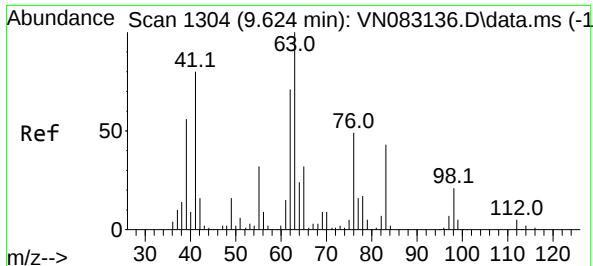
Ion Ratio Lower Upper

43 100

61 6.9 17.8 26.6#

87 4.2 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.960 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN083359.D

Acq: 16 Aug 2024 17:16

Instrument :

MSVOA_N

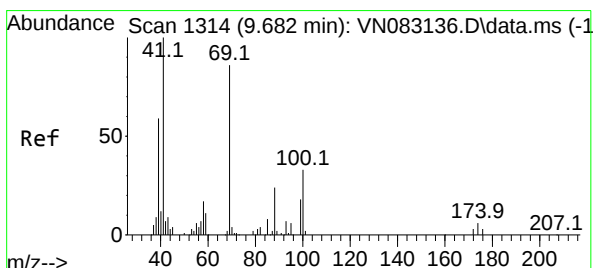
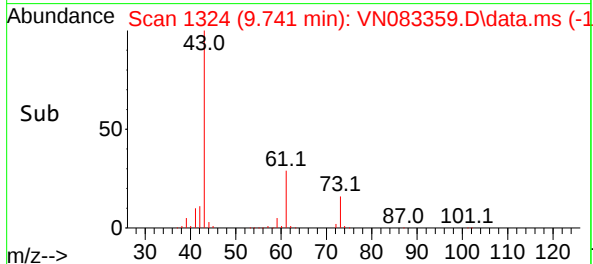
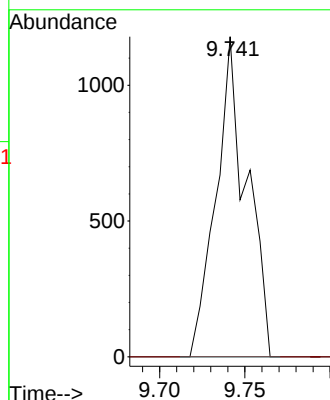
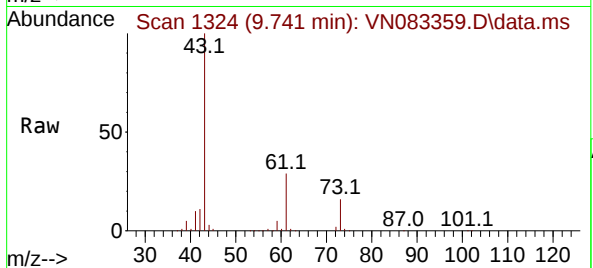
ClientSampleId :

Tgt Ion: 63 Resp: 1477

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.724 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN083359.D

Acq: 16 Aug 2024 17:16

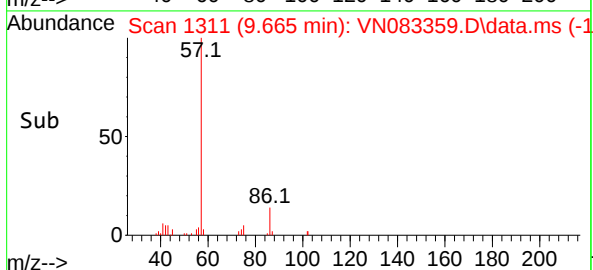
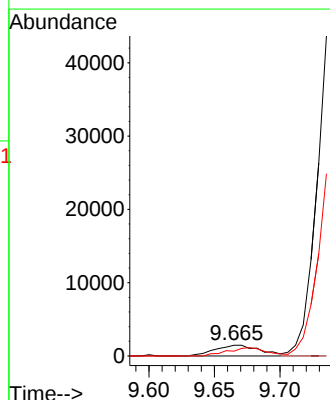
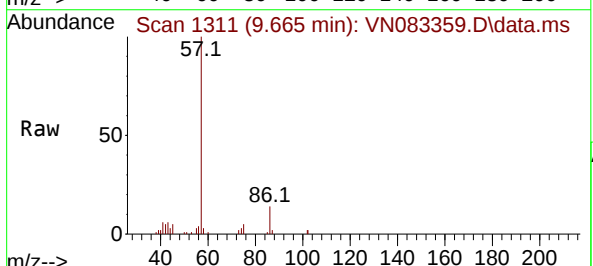
Tgt Ion: 41 Resp: 3472

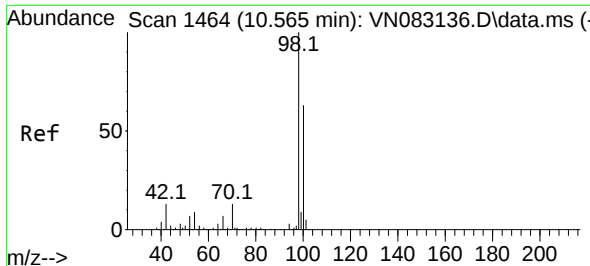
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 67.1 50.3 75.5

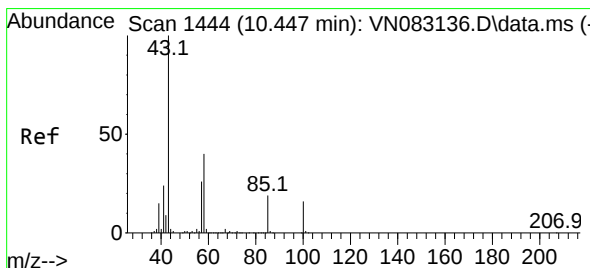
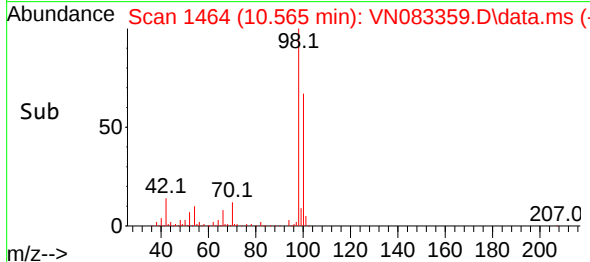
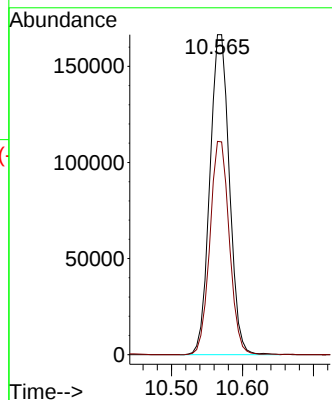
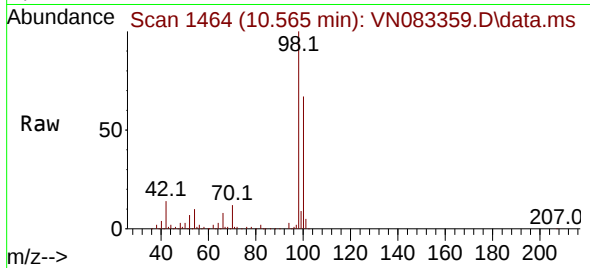




#50
Toluene-d8
Concen: 59.210 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

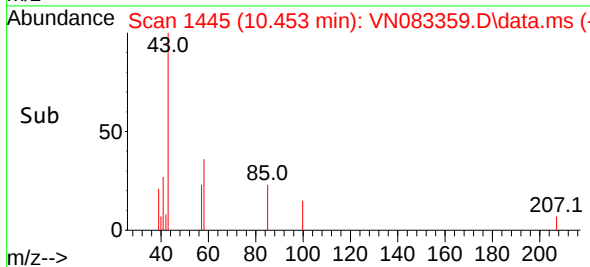
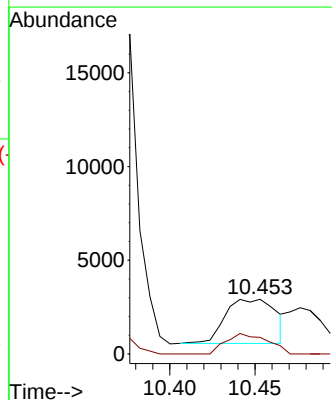
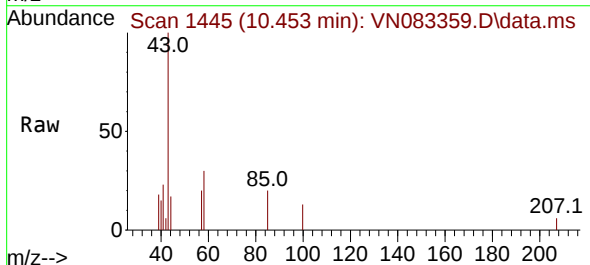
Instrument :
MSVOA_N
ClientSampleId :

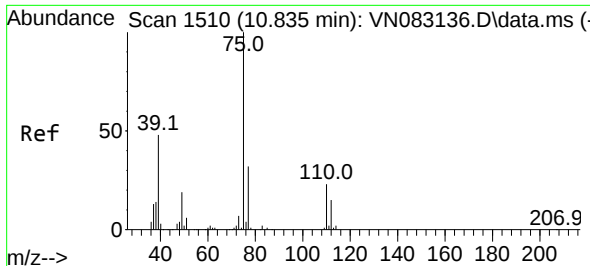
Tgt Ion: 98 Resp: 317606
Ion Ratio Lower Upper
98 100
100 66.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.107 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

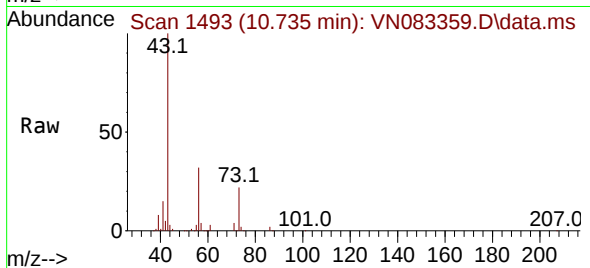
Tgt Ion: 43 Resp: 4852
Ion Ratio Lower Upper
43 100
58 38.3 28.2 42.4



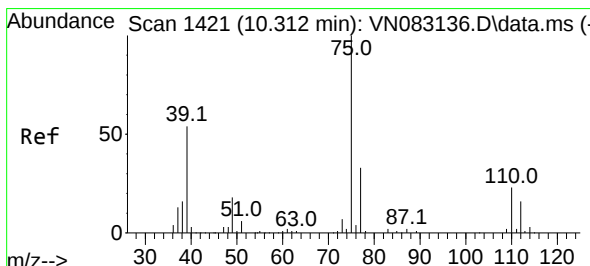
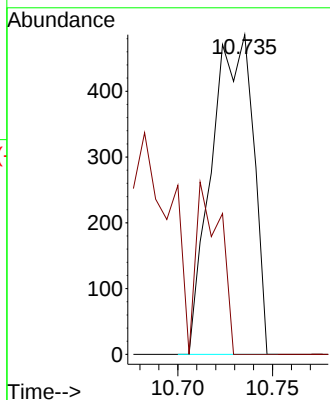
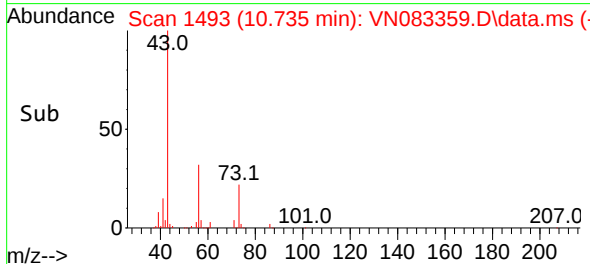


#53
t-1,3-Dichloropropene
Concen: 0.292 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :

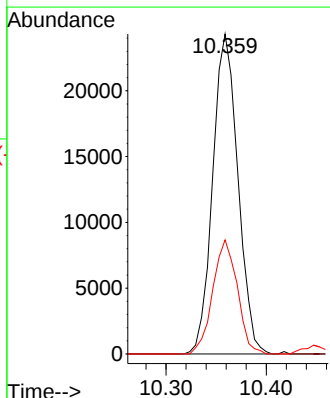
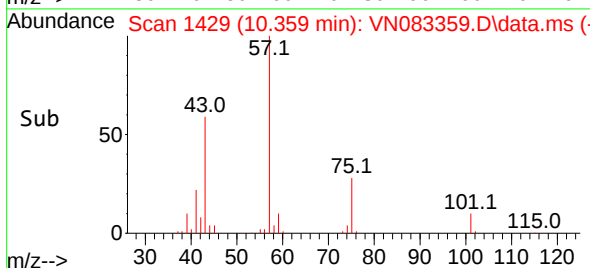
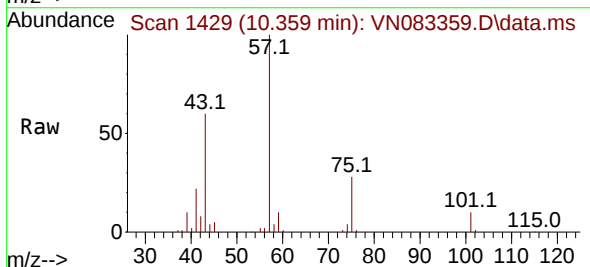


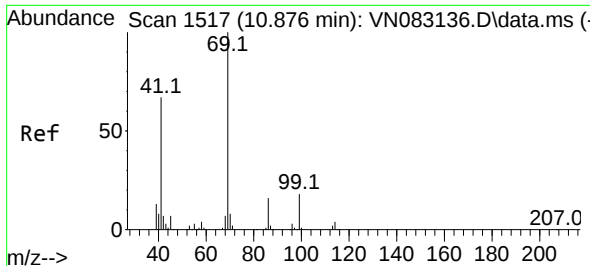
Tgt Ion: 75 Resp: 742
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 15.708 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

Tgt Ion: 75 Resp: 42428
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 35.7 50.5 75.7#

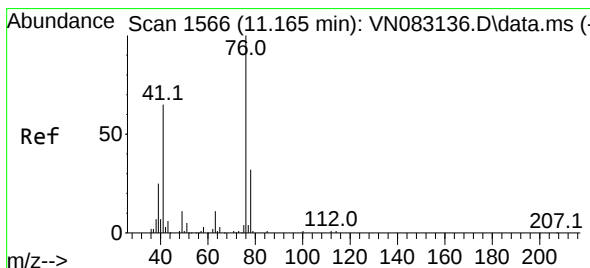
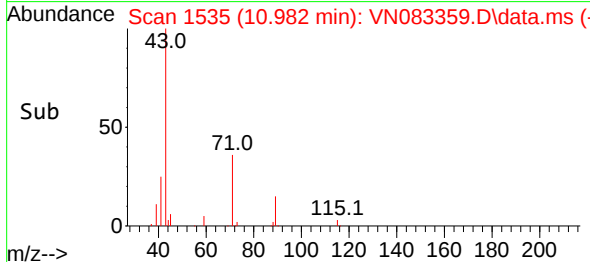
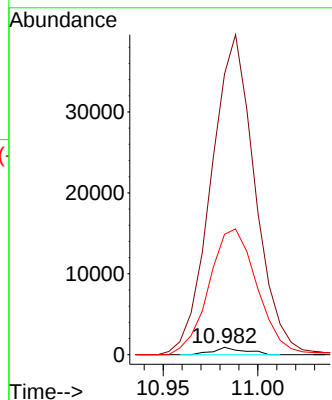
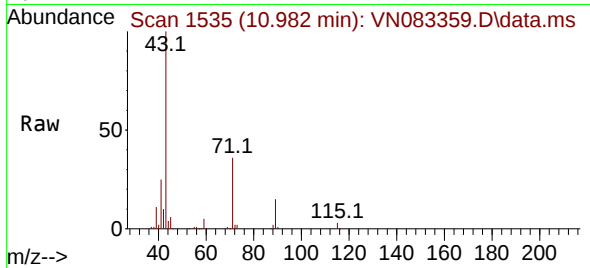




#56
Ethyl methacrylate
Concen: 0.373 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

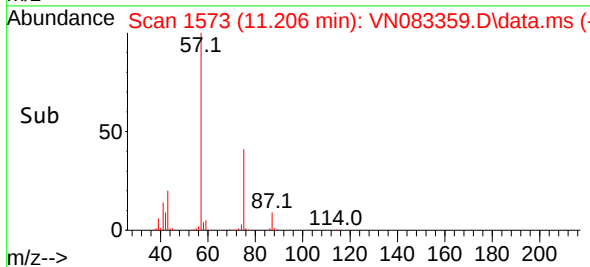
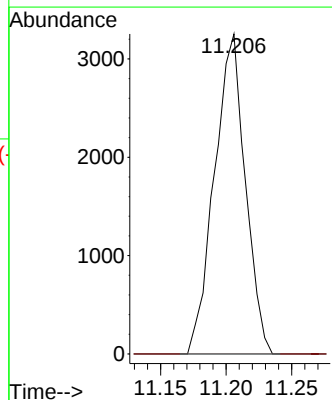
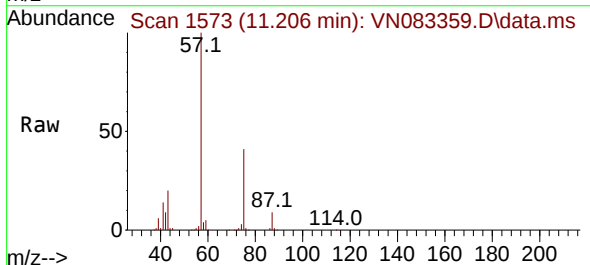
Instrument :
MSVOA_N
ClientSampleId :

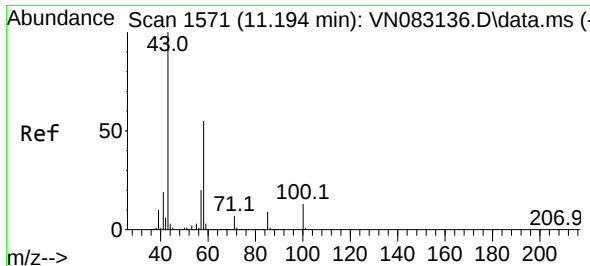
Tgt Ion: 69 Resp: 1033
Ion Ratio Lower Upper
69 100
41 6210.6 63.4 95.2#
39 2683.5 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 2.041 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

Tgt Ion: 76 Resp: 5338
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

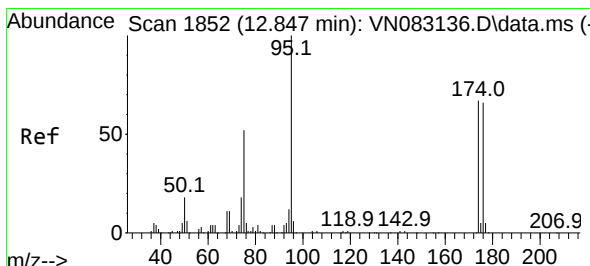
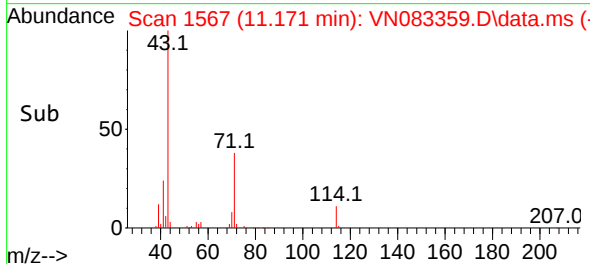
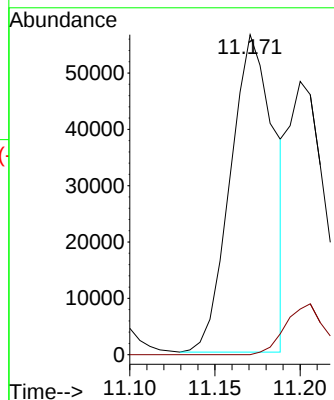
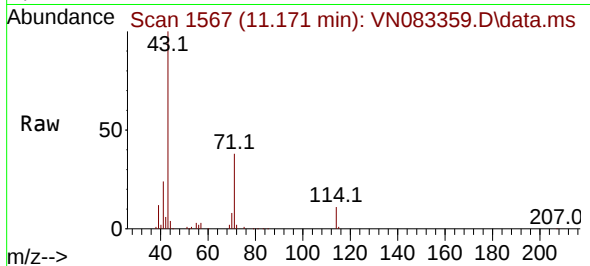




#59
2-Hexanone
Concen: 56.883 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

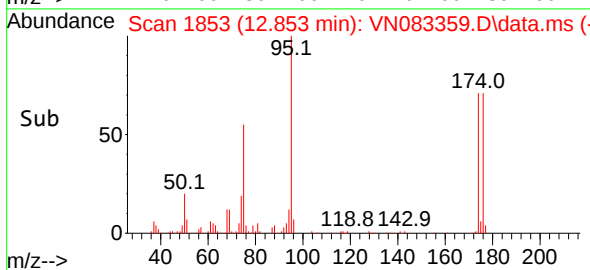
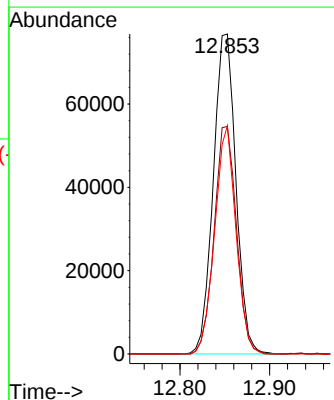
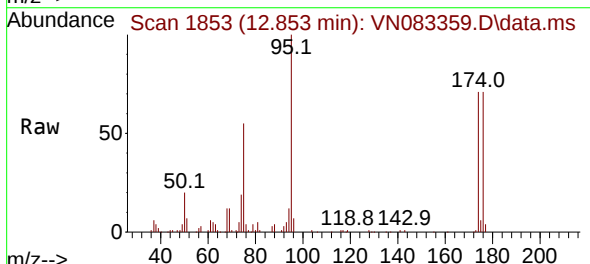
Instrument :
MSVOA_N
ClientSampleId :

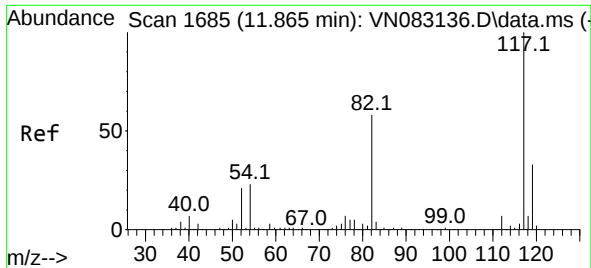
Tgt Ion: 43 Resp: 101356
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 64.216 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

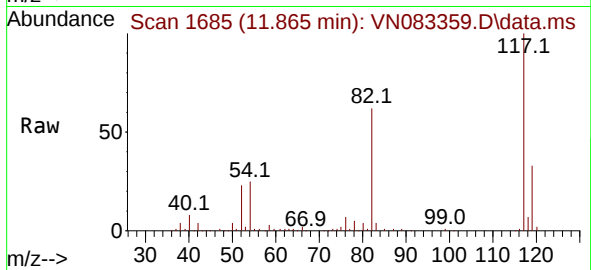
Tgt Ion: 95 Resp: 134290
Ion Ratio Lower Upper
95 100
174 70.3 0.0 159.2
176 67.0 0.0 147.6



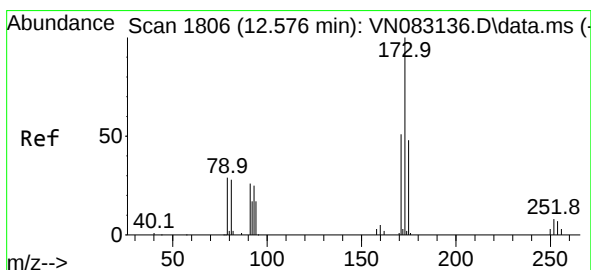
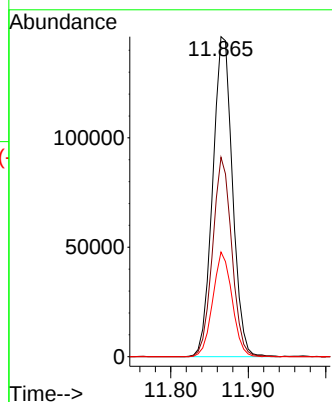
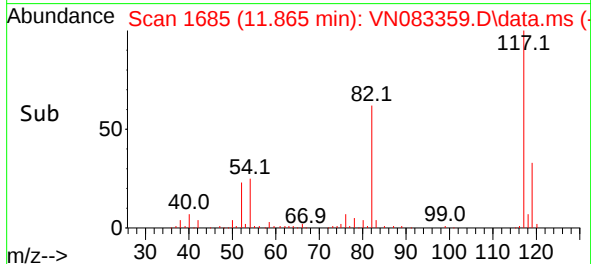


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :

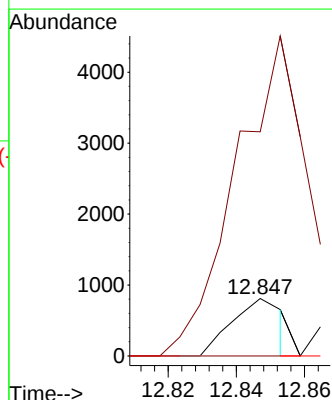
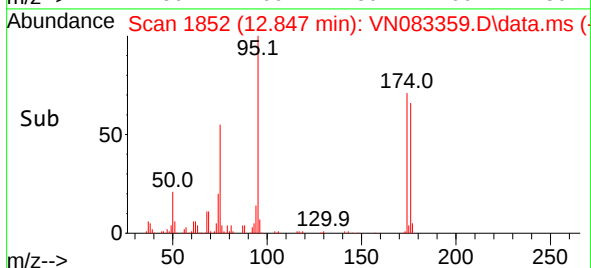
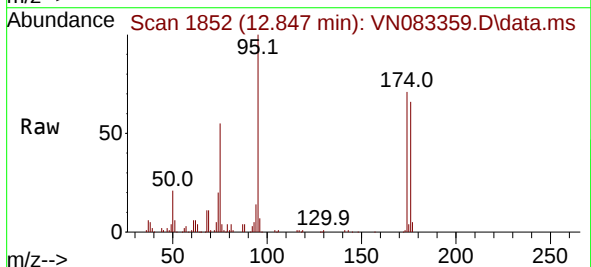


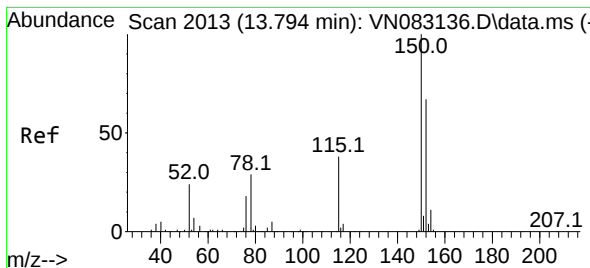
Tgt Ion:117 Resp: 259297
Ion Ratio Lower Upper
117 100
82 62.3 47.5 71.3
119 32.7 25.6 38.4



#71
Bromoform
Concen: 0.548 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083359.D
Acq: 16 Aug 2024 17:16

Tgt Ion:173 Resp: 839
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

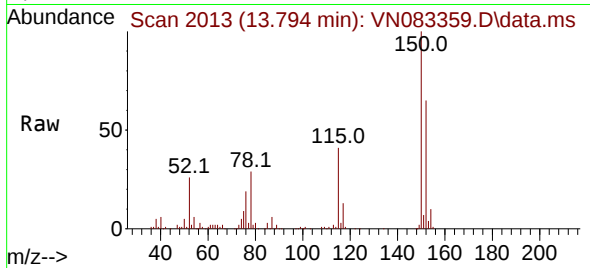
Lab File: VN083359.D

Acq: 16 Aug 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :



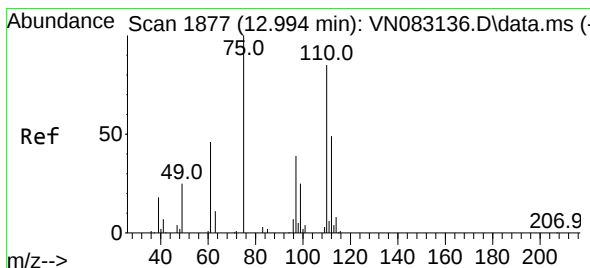
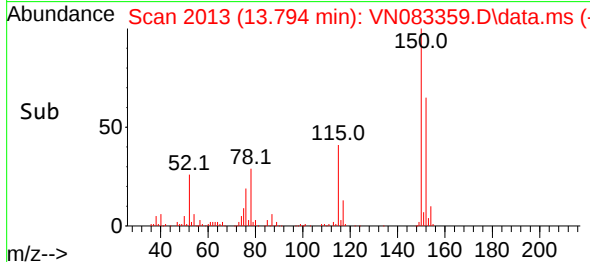
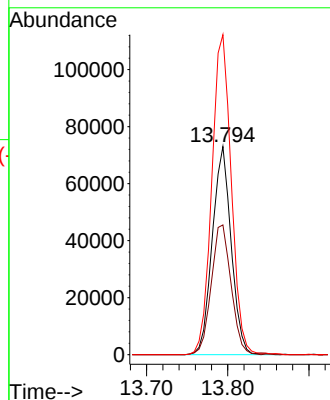
Tgt Ion:152 Resp: 118073

Ion Ratio Lower Upper

152 100

115 65.3 30.6 91.6

150 158.3 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 28.571 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN083359.D

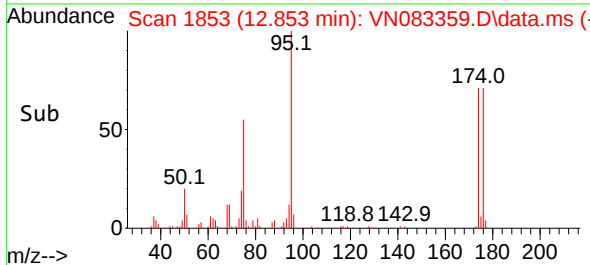
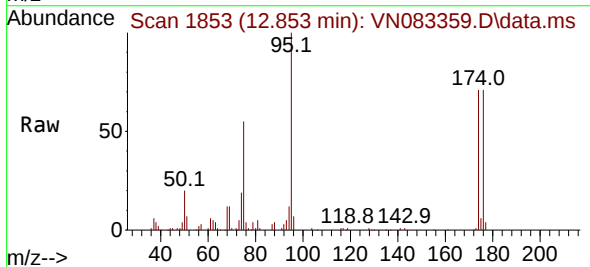
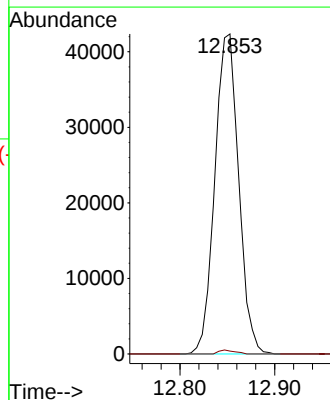
Acq: 16 Aug 2024 17:16

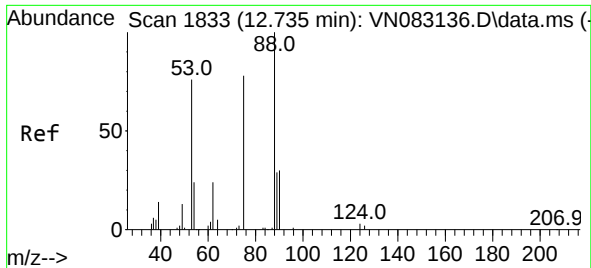
Tgt Ion: 75 Resp: 74038

Ion Ratio Lower Upper

75 100

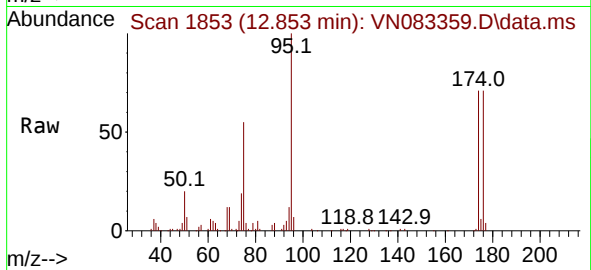
77 0.8 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.148 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN083359.D
 Acq: 16 Aug 2024 17:16

Instrument :
 MSVOA_N
 ClientSampleId :



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

