

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081224\
 Data File : VN083235.D
 Acq On : 12 Aug 2024 14:11
 Operator : JC\MD
 Sample : PB162664ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 04:18:33 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)

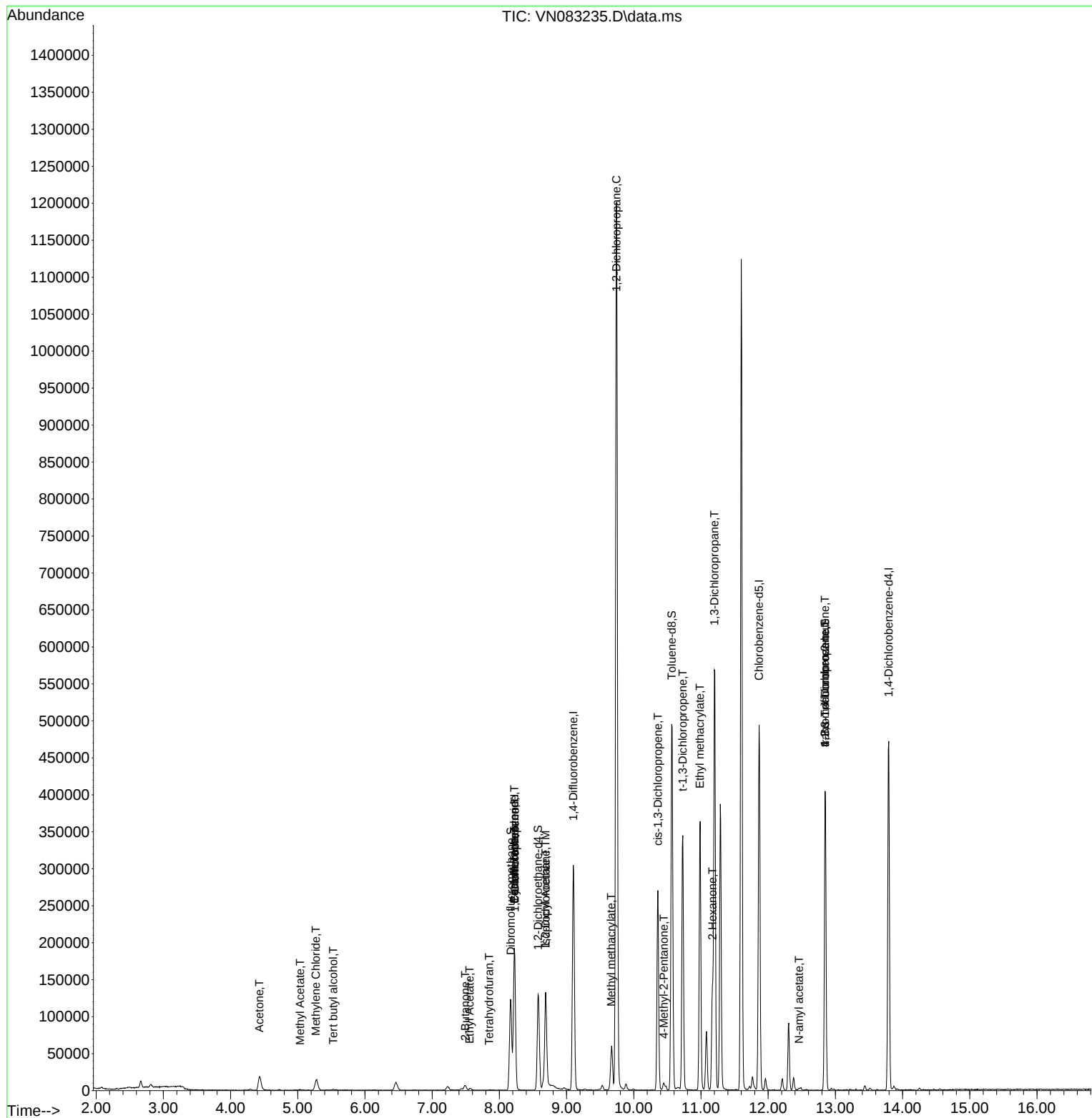
Internal Standards						
1) Pentafluorobenzene	8.224	168	130117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	256396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111782	60.355	ug/l	0.00
Spiked Amount 50.000	Range	74 - 125	Recovery	= 120.720%		
35) Dibromofluoromethane	8.171	113	89607	55.991	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	= 111.980%		
50) Toluene-d8	10.565	98	345411	57.860	ug/l	0.00
Spiked Amount 50.000	Range	86 - 113	Recovery	= 115.720%#		
62) 4-Bromofluorobenzene	12.847	95	146042	62.750	ug/l	0.00
Spiked Amount 50.000	Range	64 - 133	Recovery	= 125.500%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	1950	5.066	ug/l #	71
16) Acetone	4.430	43	36545	50.427	ug/l	95
18) Methyl Acetate	5.036	43	1918	0.888	ug/l #	63
20) Methylene Chloride	5.271	84	11139	6.679	ug/l #	76
25) 2-Butanone	7.494	43	11538	10.369	ug/l	97
29) Tetrahydrofuran	7.847	42	262	0.364	ug/l #	38
31) Cyclohexane	8.224	56	3455	1.259	ug/l #	20
36) 1,1-Dichloropropene	8.230	75	11680	4.825	ug/l #	53
37) Ethyl Acetate	7.559	43	4123	1.521	ug/l #	82
38) Carbon Tetrachloride	8.224	117	15008	5.504	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	824	0.314	ug/l #	78
43) Isopropyl Acetate	8.688	43	166224	34.483	ug/l #	91
45) 1,2-Dichloropropane	9.741	63	1503	0.878	ug/l #	44
48) Methyl methacrylate	9.665	41	4347	1.940	ug/l #	54
51) 4-Methyl-2-Pentanone	10.447	43	5983	2.334	ug/l	94
53) t-1,3-Dichloropropene	10.729	75	813	0.288	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	48204	16.036	ug/l #	56
56) Ethyl methacrylate	10.982	69	913	0.297	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6214	2.135	ug/l #	43
59) 2-Hexanone	11.171	43	114929	57.956	ug/l #	28
74) N-amyl acetate	12.459	43	3189	0.630	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	79275	29.203	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79275	63.523	ug/l #	6

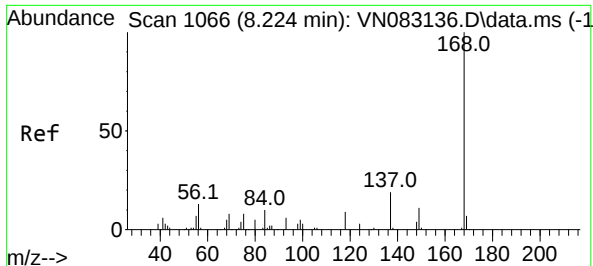
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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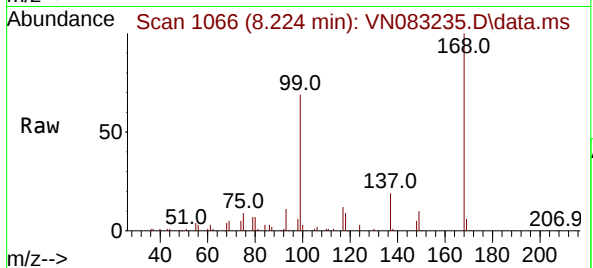
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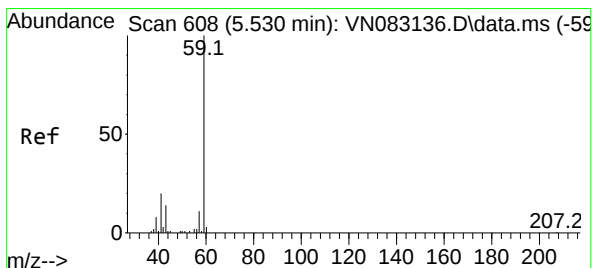
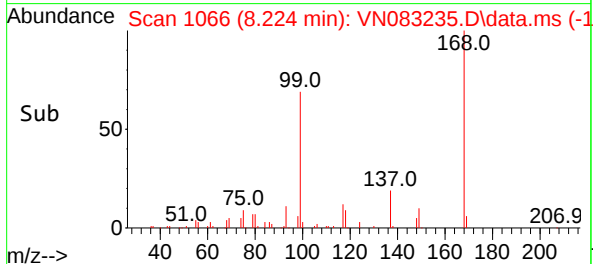
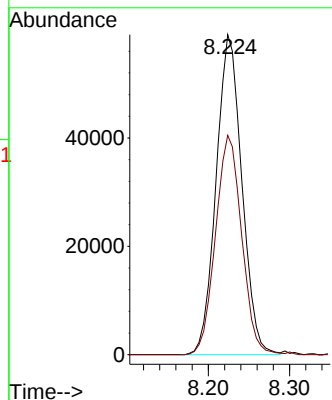


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

Instrument :
MSVOA_N
ClientSampleId :

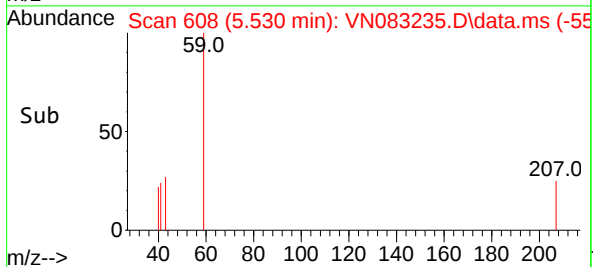
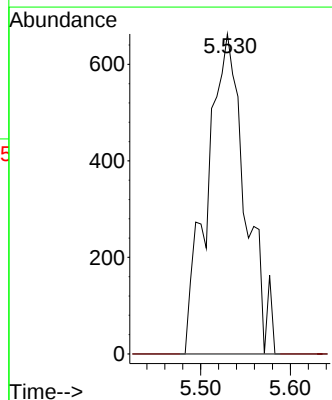
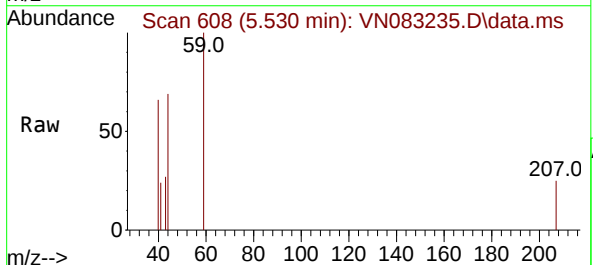


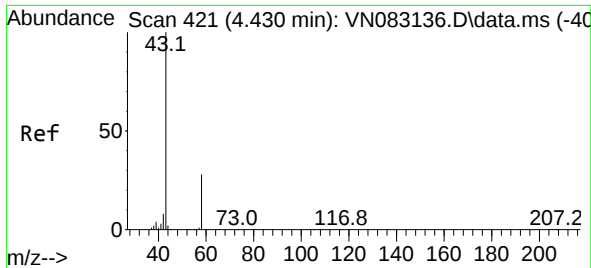
Tgt Ion:168 Resp: 130117
Ion Ratio Lower Upper
168 100
99 68.6 48.2 72.4



#11
Tert butyl alcohol
Concen: 5.066 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.000 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

Tgt Ion: 59 Resp: 1950
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

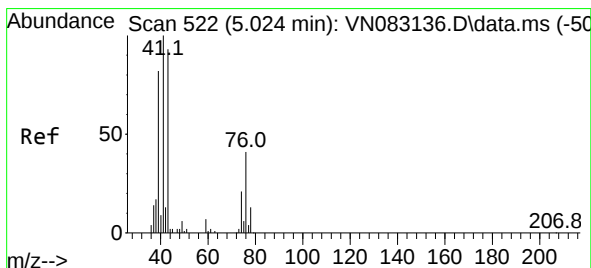
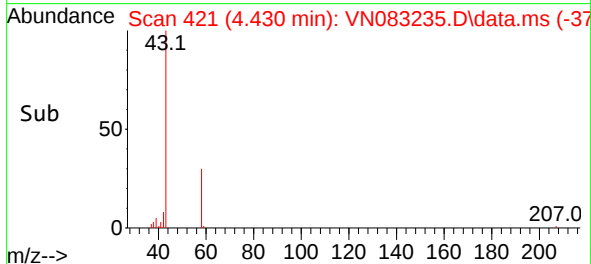
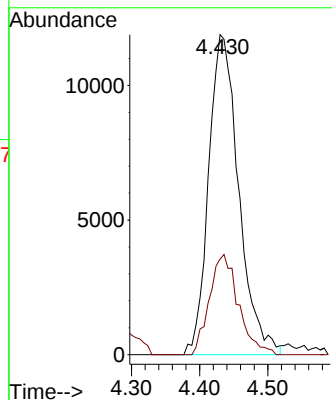
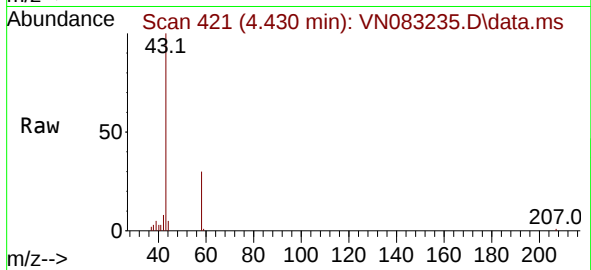




#16
Acetone
Concen: 50.427 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

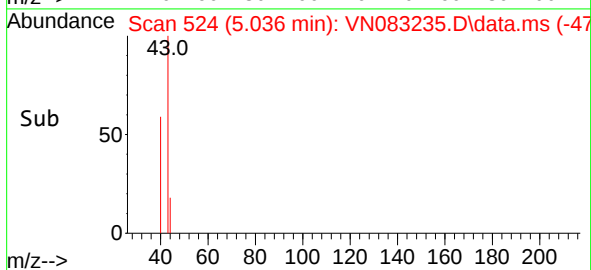
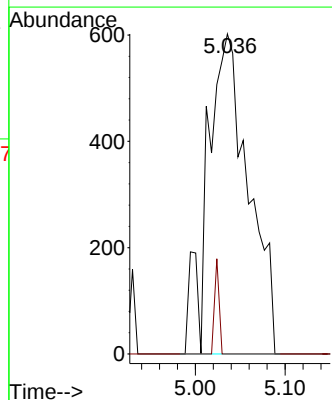
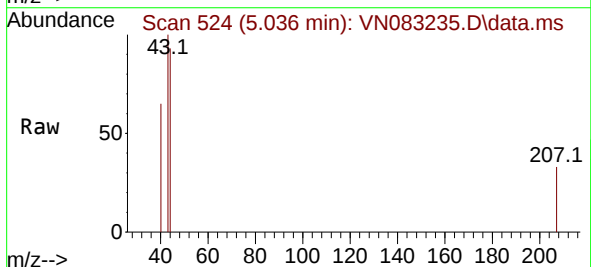
Instrument :
MSVOA_N
ClientSampleId :

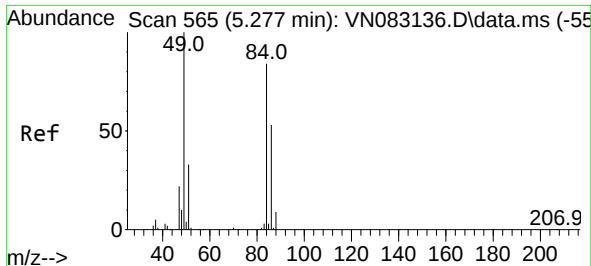
Tgt Ion: 43 Resp: 36545
Ion Ratio Lower Upper
43 100
58 29.9 21.8 32.6



#18
Methyl Acetate
Concen: 0.888 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

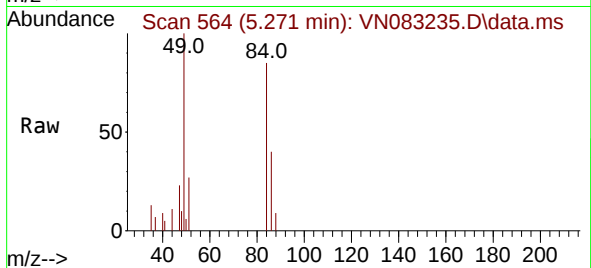
Tgt Ion: 43 Resp: 1918
Ion Ratio Lower Upper
43 100
74 3.3 16.3 24.5#



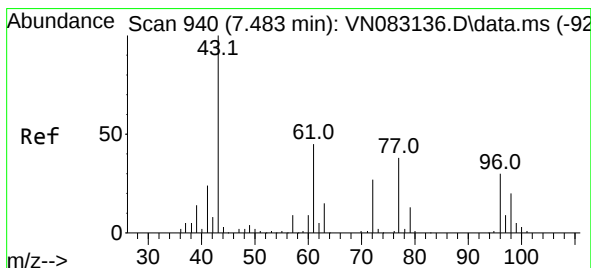
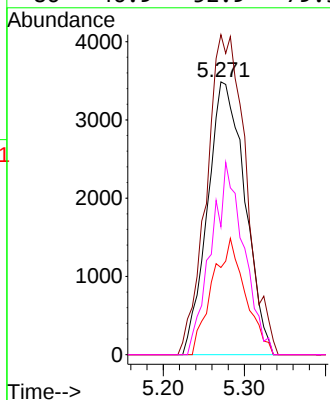
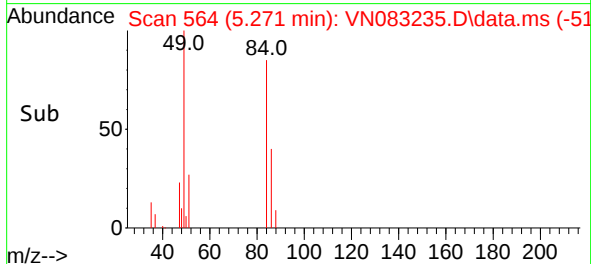


#20
Methylene Chloride
Concen: 6.679 ug/l
RT: 5.271 min Scan# 511
Delta R.T. -0.006 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

Instrument :
MSVOA_N
ClientSampleId :

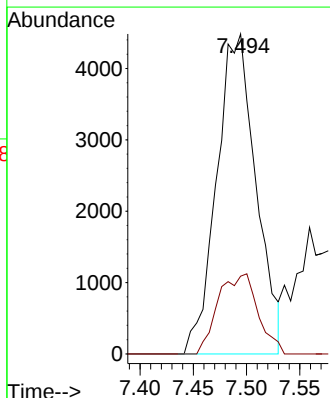
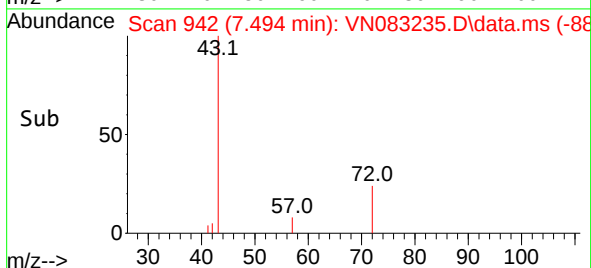
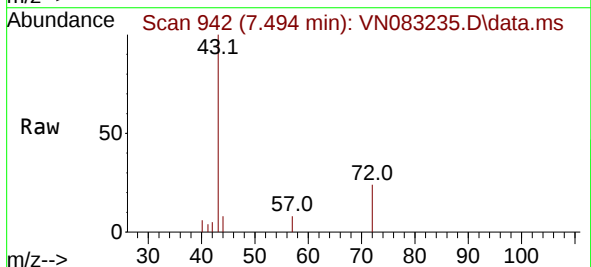


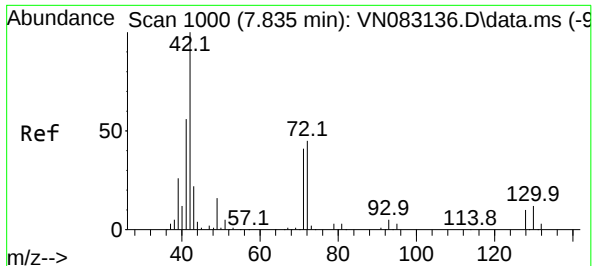
Tgt Ion:	84	Resp:	11139
Ion	Ratio	Lower	Upper
84	100		
49	117.3	119.6	179.4#
51	32.0	34.8	52.2#
86	46.9	52.9	79.3#



#25
2-Butanone
Concen: 10.369 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

Tgt Ion:	43	Resp:	11538
Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.2	27.2





#29

Tetrahydrofuran

Concen: 0.364 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.012 min

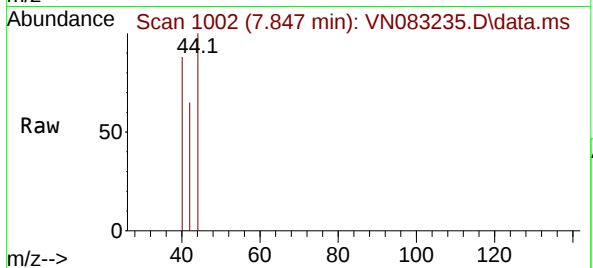
Lab File: VN083235.D

Acq: 12 Aug 2024 14:11

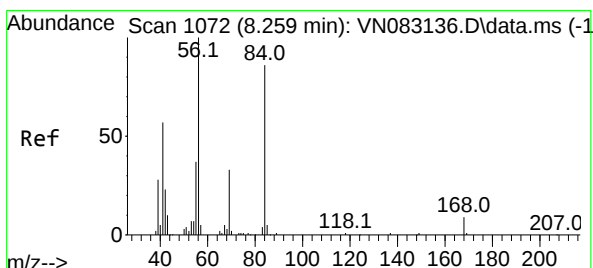
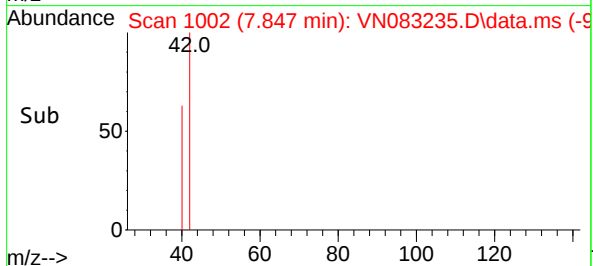
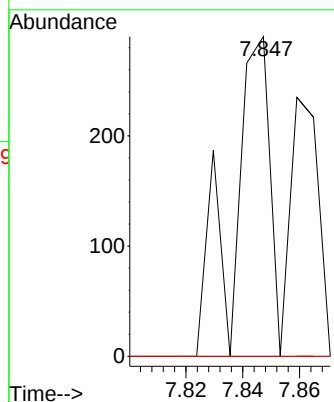
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	262
Ion Ratio	Lower	Upper	
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.259 ug/l

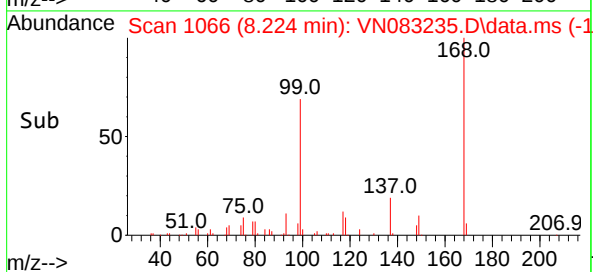
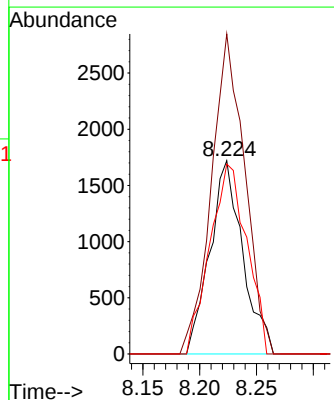
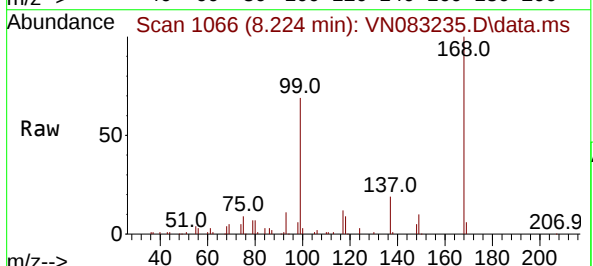
RT: 8.224 min Scan# 1066

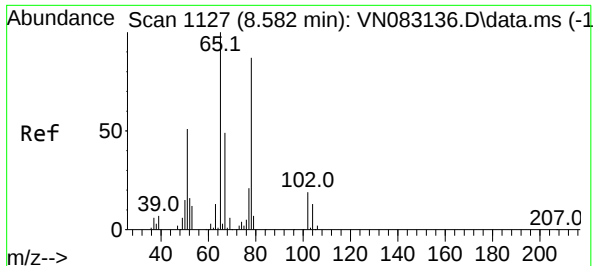
Delta R.T. -0.035 min

Lab File: VN083235.D

Acq: 12 Aug 2024 14:11

Tgt Ion:	56	Resp:	3455
Ion Ratio	Lower	Upper	
56	100		
69	165.5	24.5	36.7#
84	98.2	66.0	99.0





#33

1,2-Dichloroethane-d4

Concen: 60.355 ug/l

RT: 8.577 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN083235.D

Acq: 12 Aug 2024 14:11

Instrument :

MSVOA_N

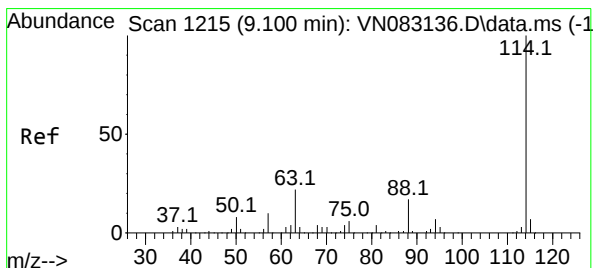
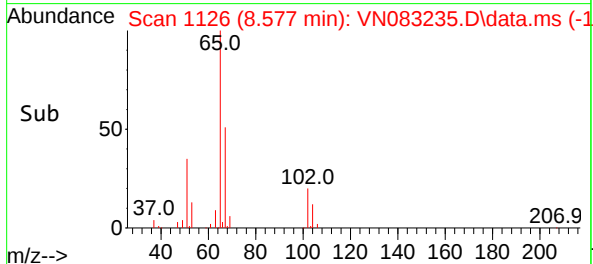
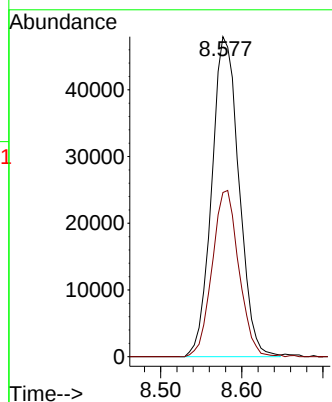
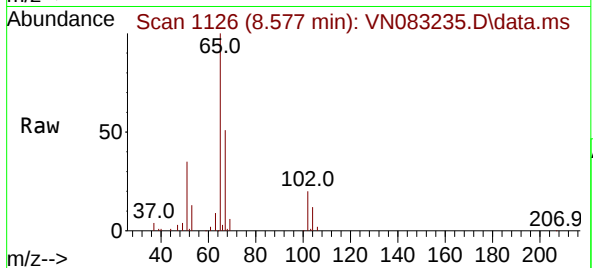
ClientSampleId :

Tgt Ion: 65 Resp: 111782

Ion Ratio Lower Upper

65 100

67 50.9 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: VN083235.D

Acq: 12 Aug 2024 14:11

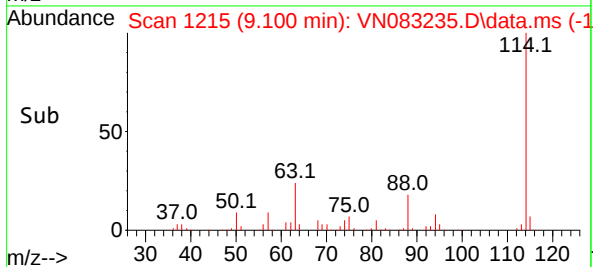
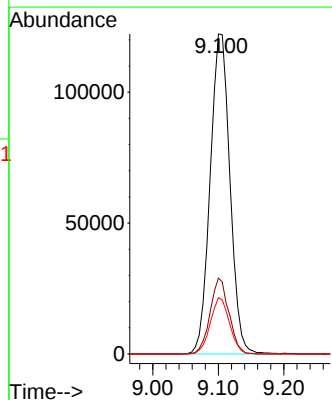
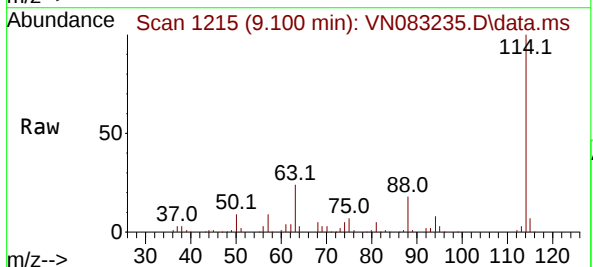
Tgt Ion: 114 Resp: 256396

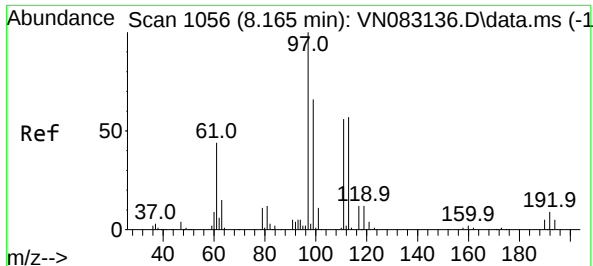
Ion Ratio Lower Upper

114 100

63 23.7 0.0 44.6

88 17.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.991 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

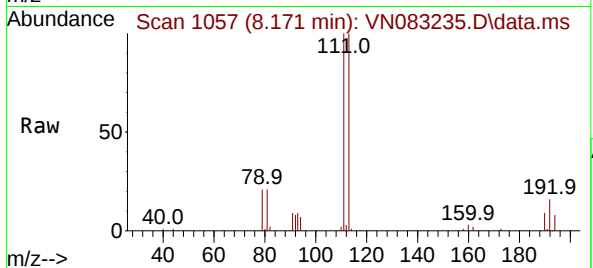
Lab File: VN083235.D

Acq: 12 Aug 2024 14:11

Instrument :

MSVOA_N

ClientSampleId :



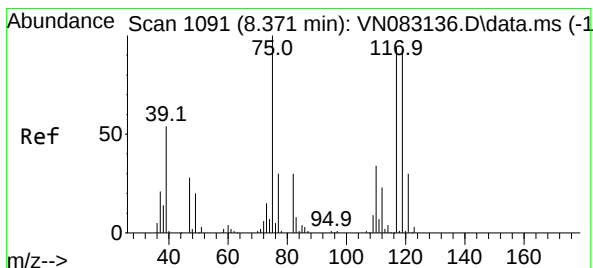
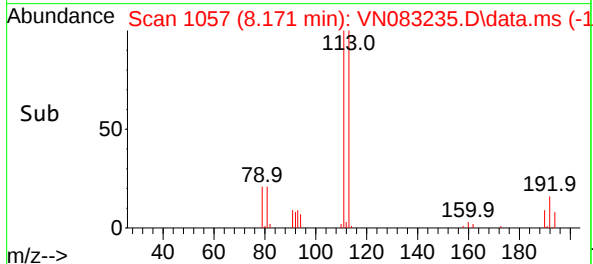
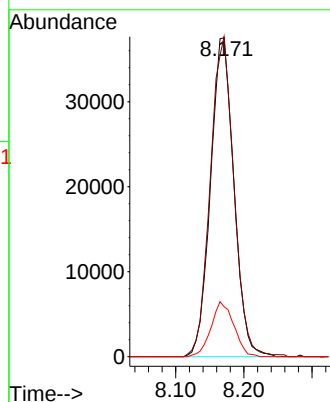
Tgt Ion:113 Resp: 89607

Ion Ratio Lower Upper

113 100

111 101.4 82.4 123.6

192 16.9 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.825 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN083235.D

Acq: 12 Aug 2024 14:11

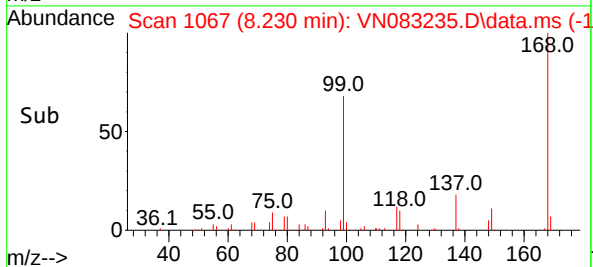
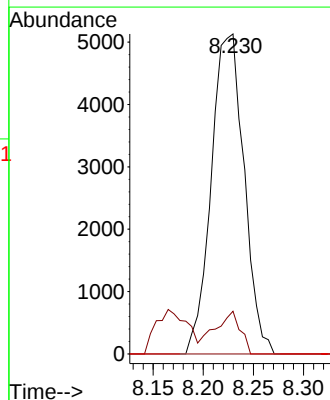
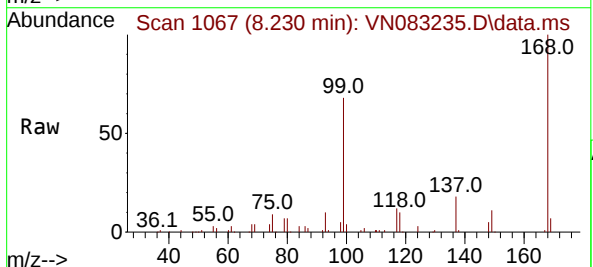
Tgt Ion: 75 Resp: 11680

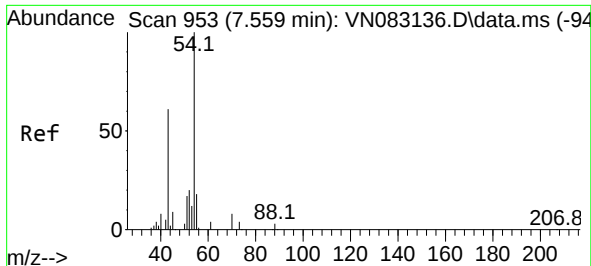
Ion Ratio Lower Upper

75 100

110 10.5 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.521 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

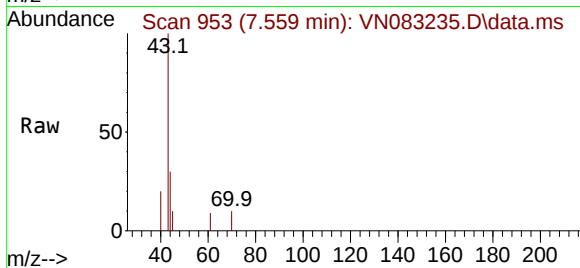
Lab File: VN083235.D

Acq: 12 Aug 2024 14:11

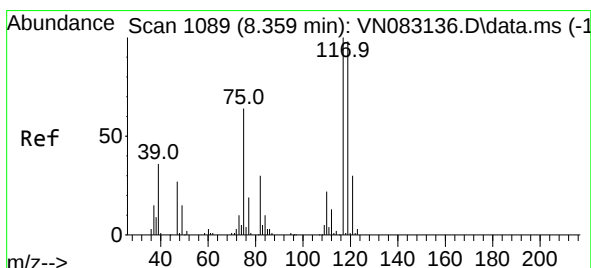
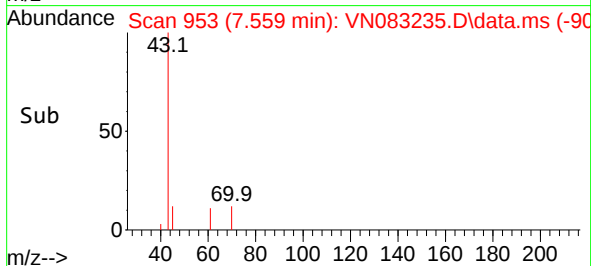
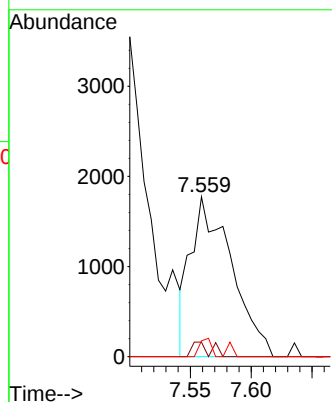
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4123
Ion	Ratio	Lower	Upper
43	100		
61	4.1	9.3	13.9#
70	3.3	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 5.504 ug/l

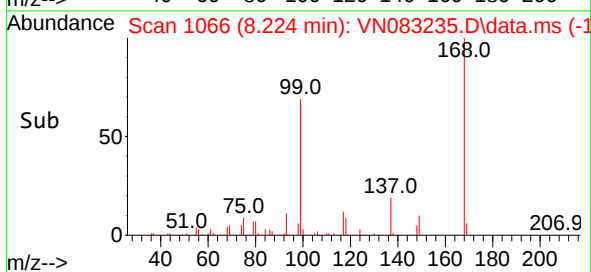
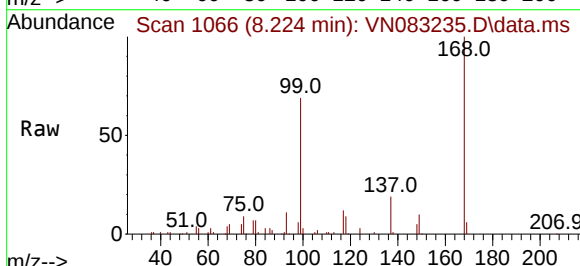
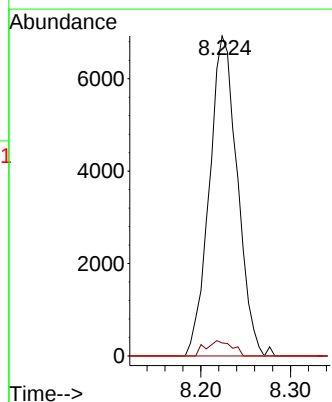
RT: 8.224 min Scan# 1066

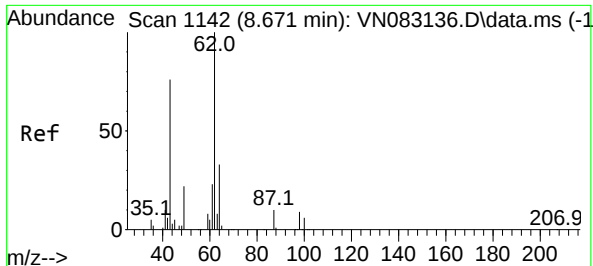
Delta R.T. -0.135 min

Lab File: VN083235.D

Acq: 12 Aug 2024 14:11

Tgt Ion:	117	Resp:	15008
Ion	Ratio	Lower	Upper
117	100		
119	4.1	74.9	112.3#
121	0.0	24.3	36.5#





#42

1,2-Dichloroethane

Concen: 0.314 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN083235.D

Acq: 12 Aug 2024 14:11

Instrument :

MSVOA_N

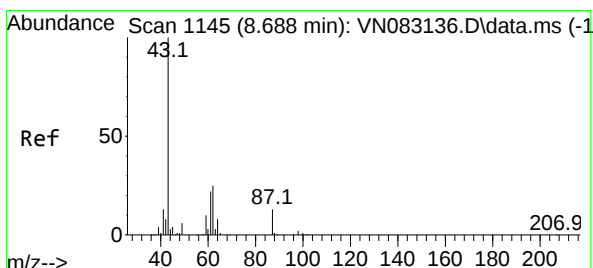
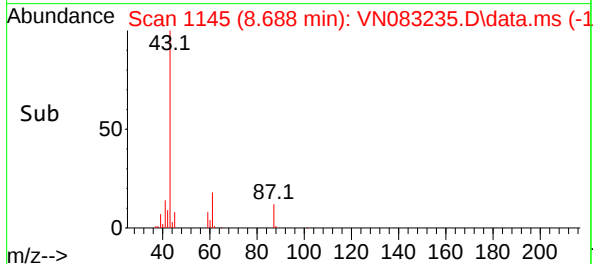
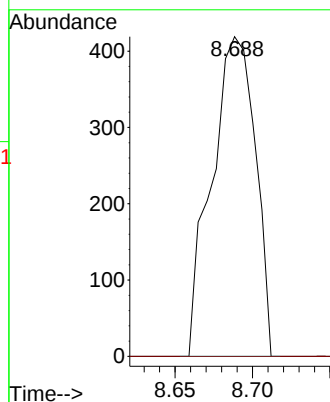
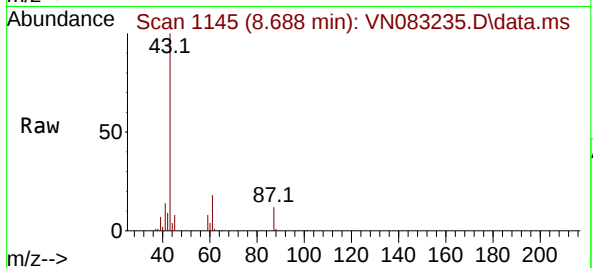
ClientSampleId :

Tgt Ion: 62 Resp: 824

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 34.483 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083235.D

Acq: 12 Aug 2024 14:11

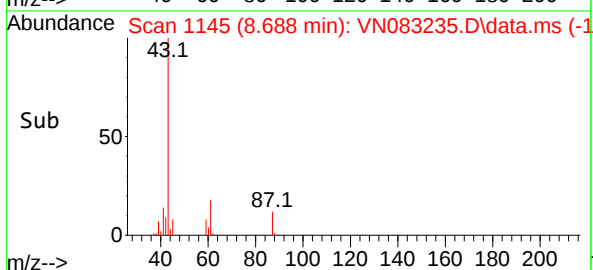
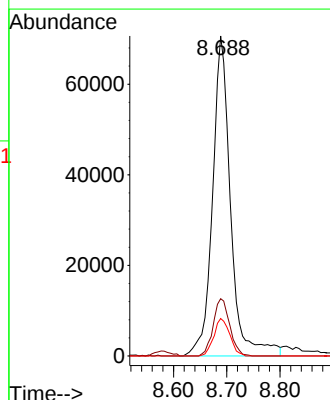
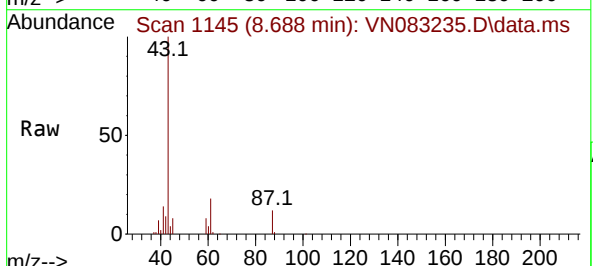
Tgt Ion: 43 Resp: 166224

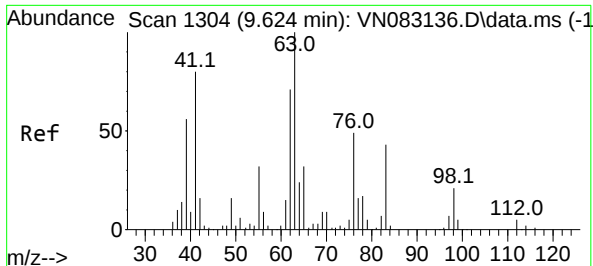
Ion Ratio Lower Upper

43 100

61 16.3 17.8 26.6#

87 10.4 8.2 12.2

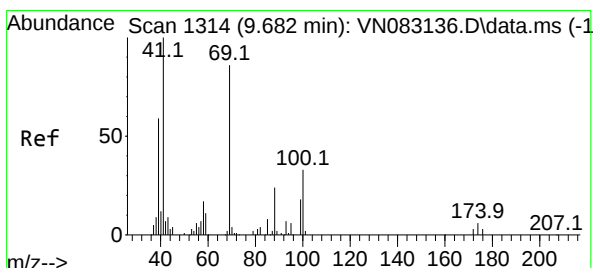
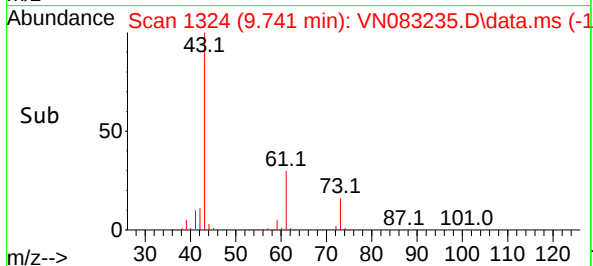
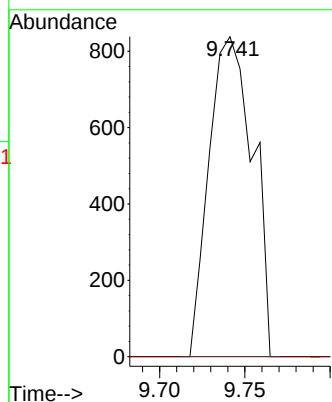
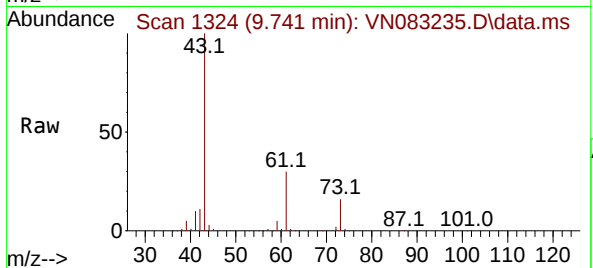




#45
1,2-Dichloropropane
Concen: 0.878 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

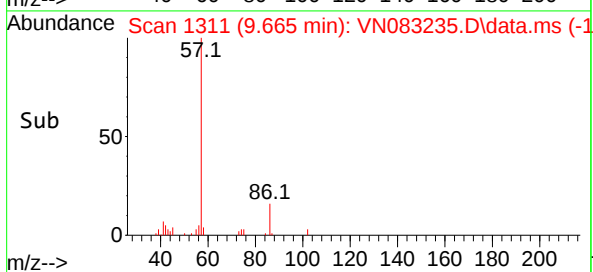
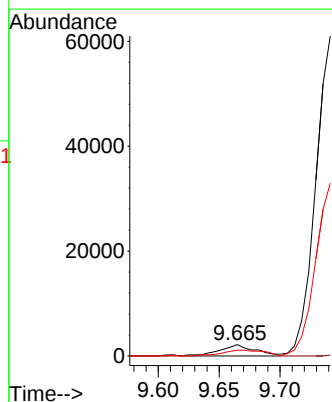
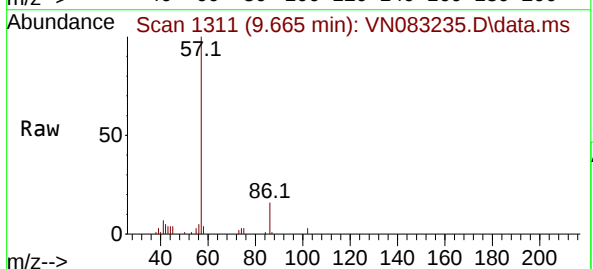
Instrument :
MSVOA_N
ClientSampleId :

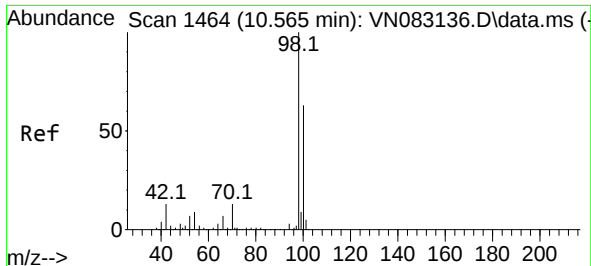
Tgt Ion: 63 Resp: 1503
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



#48
Methyl methacrylate
Concen: 1.940 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

Tgt Ion: 41 Resp: 4347
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 61.5 50.3 75.5

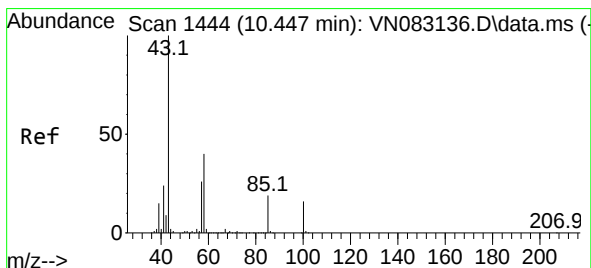
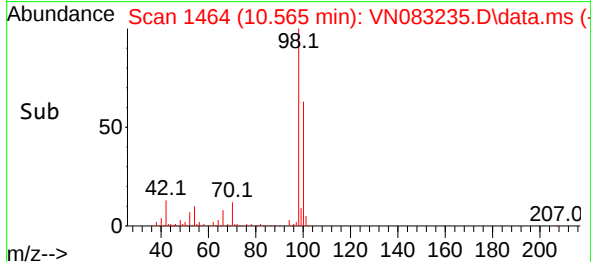
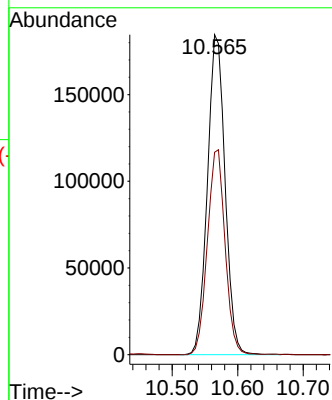
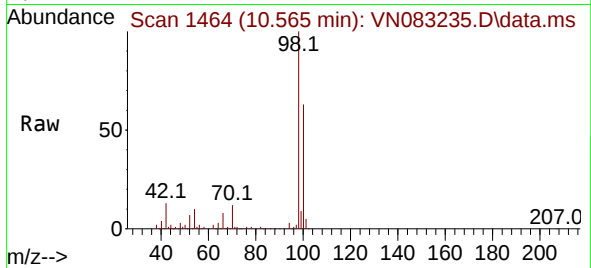




#50
Toluene-d8
Concen: 57.860 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

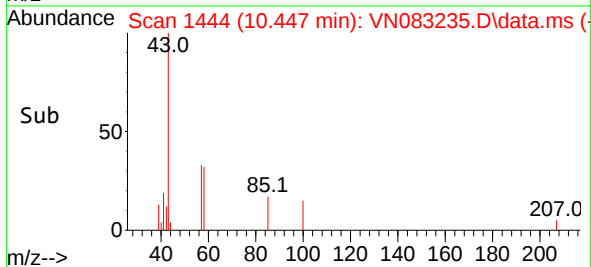
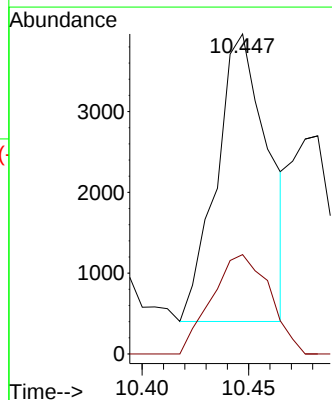
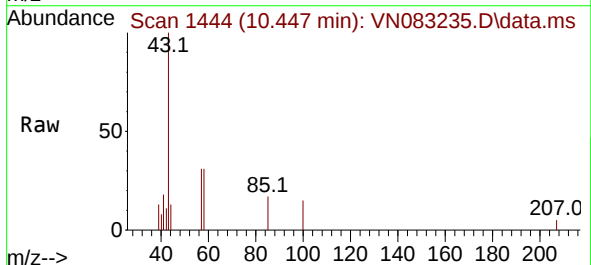
Instrument :
MSVOA_N
ClientSampleId :

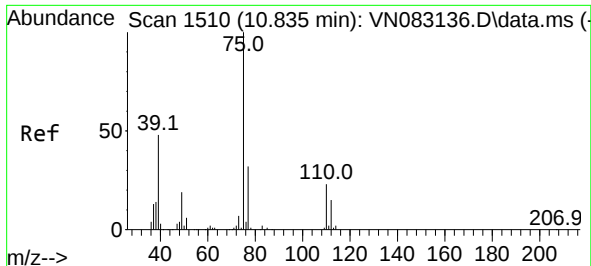
Tgt Ion: 98 Resp: 345411
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.334 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

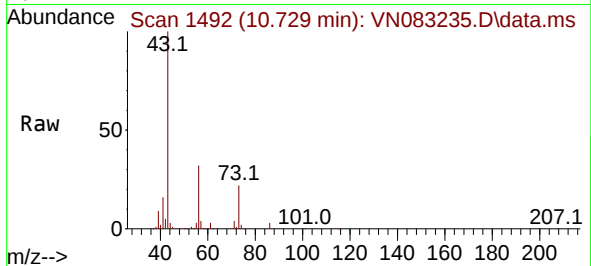
Tgt Ion: 43 Resp: 5983
Ion Ratio Lower Upper
43 100
58 38.9 28.2 42.4



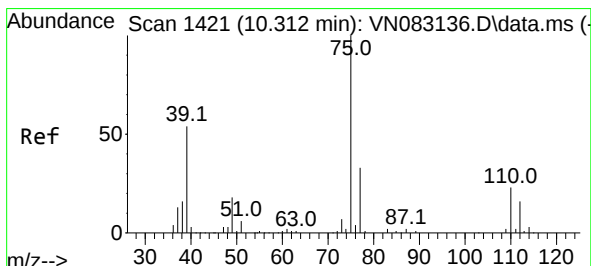
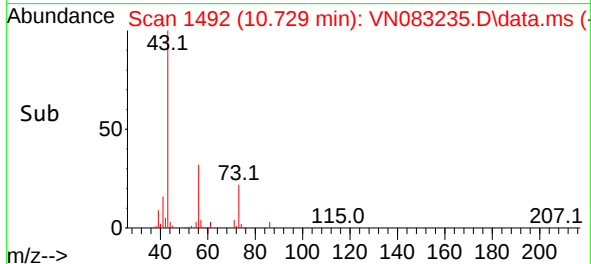
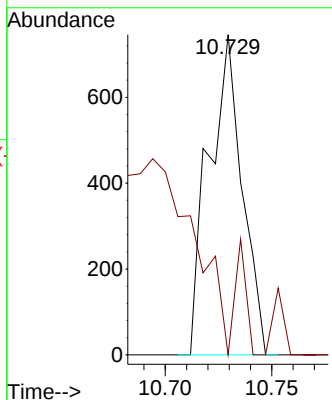


#53
 t-1,3-Dichloropropene
 Concen: 0.288 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN083235.D
 Acq: 12 Aug 2024 14:11

Instrument :
 MSVOA_N
 ClientSampleId :

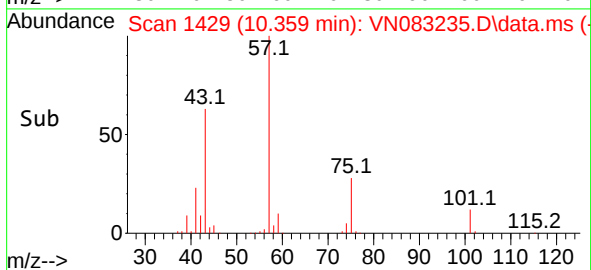
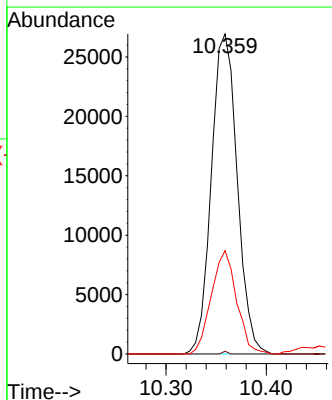
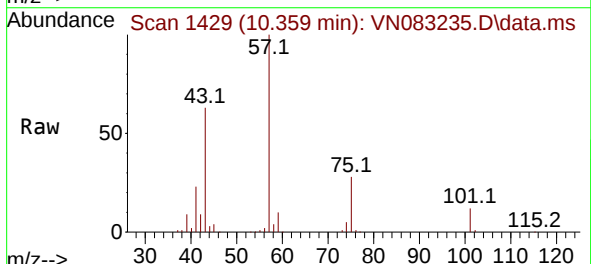


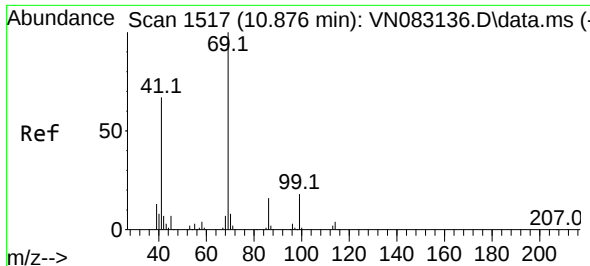
Tgt Ion: 75 Resp: 813
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 16.036 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083235.D
 Acq: 12 Aug 2024 14:11

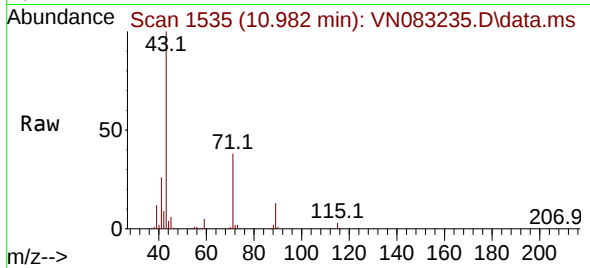
Tgt Ion: 75 Resp: 48204
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.3 36.5#
 39 32.3 50.5 75.7#



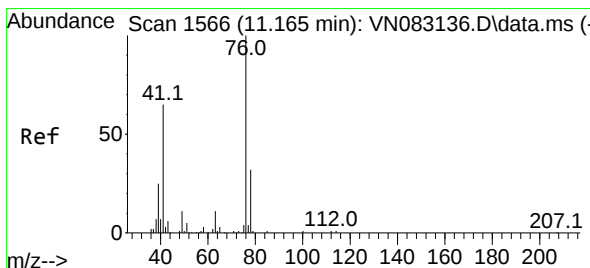
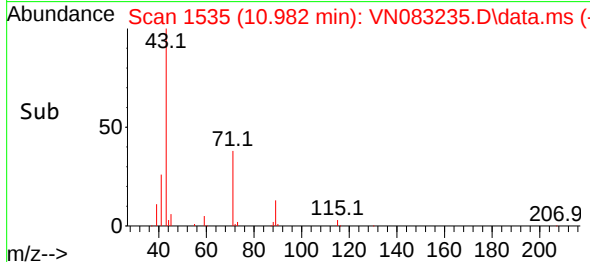
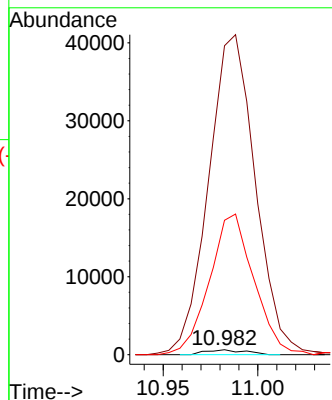


#56
Ethyl methacrylate
Concen: 0.297 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

Instrument :
MSVOA_N
ClientSampleId :

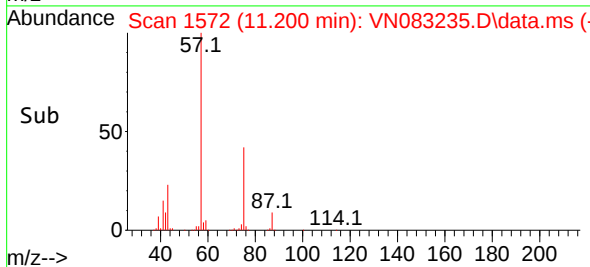
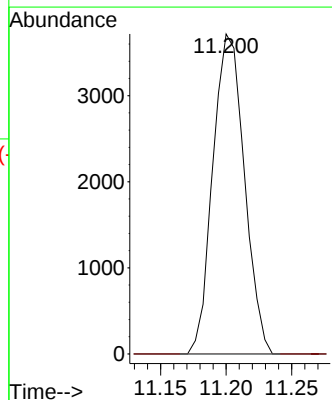
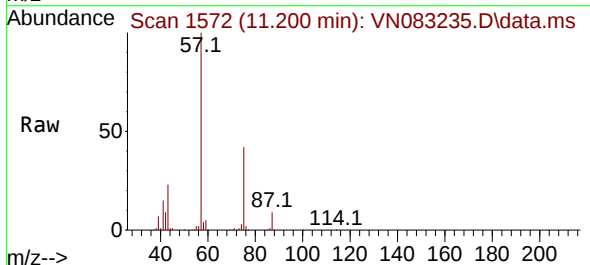


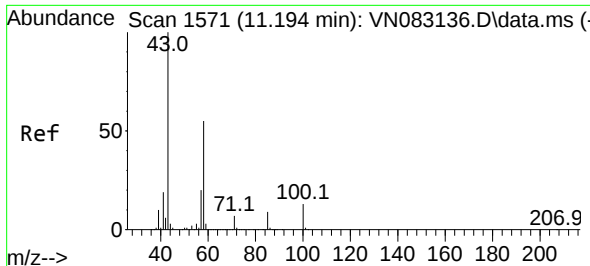
Tgt Ion: 69 Resp: 913
Ion Ratio Lower Upper
69 100
41 7769.0 63.4 95.2#
39 3225.0 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 2.135 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

Tgt Ion: 76 Resp: 6214
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

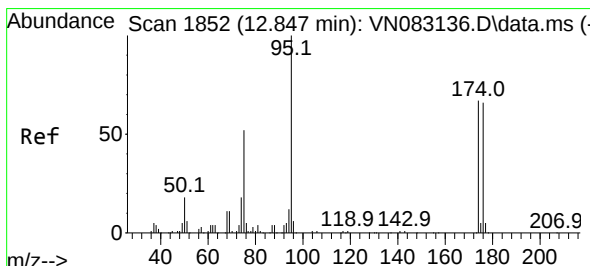
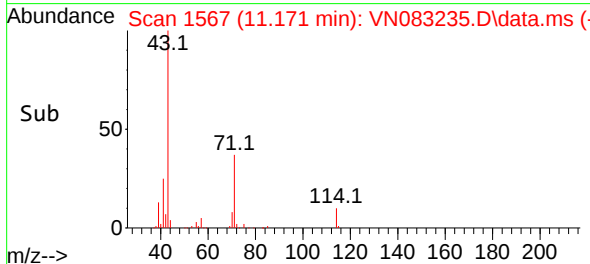
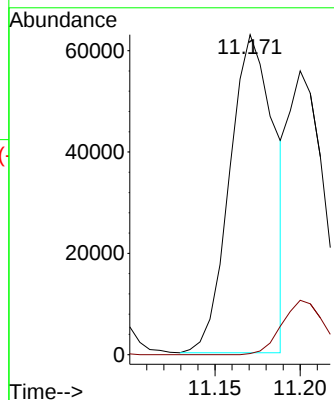
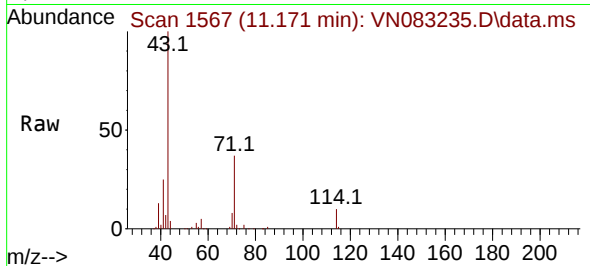




#59
2-Hexanone
Concen: 57.956 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

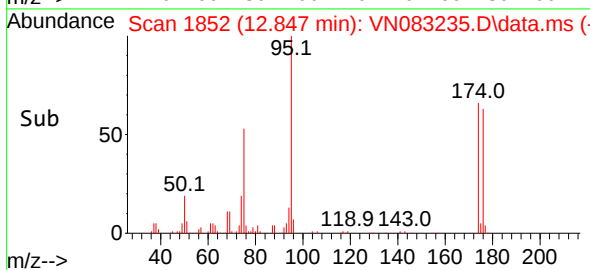
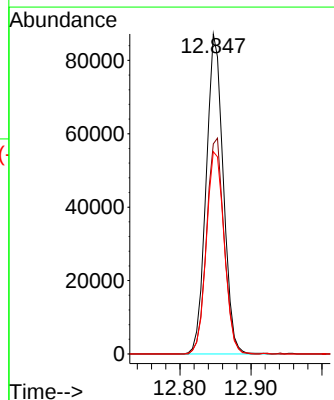
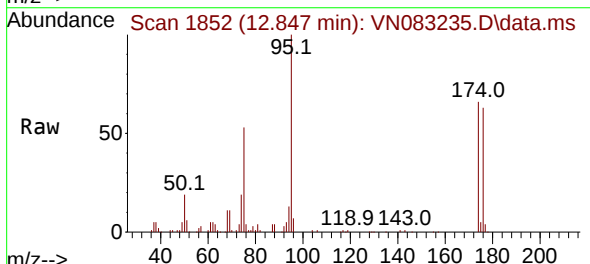
Instrument :
MSVOA_N
ClientSampleId :

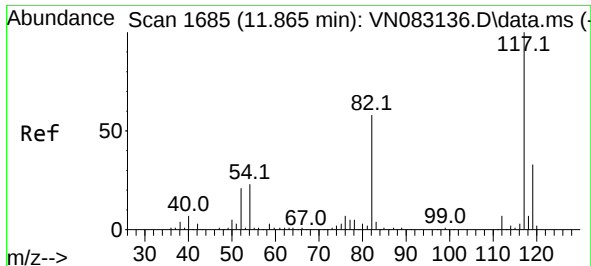
Tgt Ion: 43 Resp: 114929
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 62.750 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

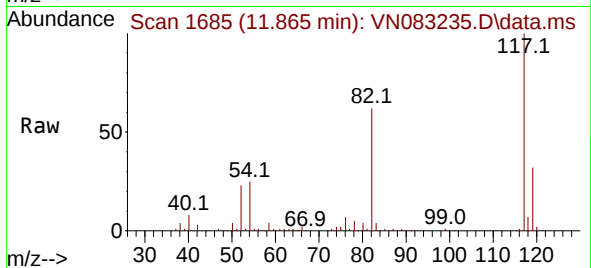
Tgt Ion: 95 Resp: 146042
Ion Ratio Lower Upper
95 100
174 68.9 0.0 159.2
176 66.0 0.0 147.6



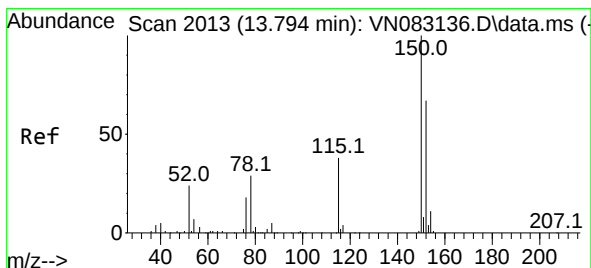
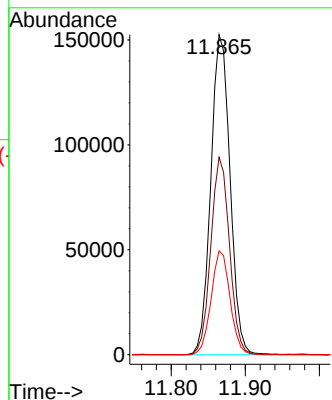
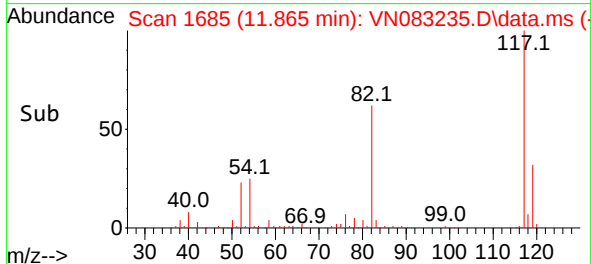


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

Instrument :
MSVOA_N
ClientSampleId :

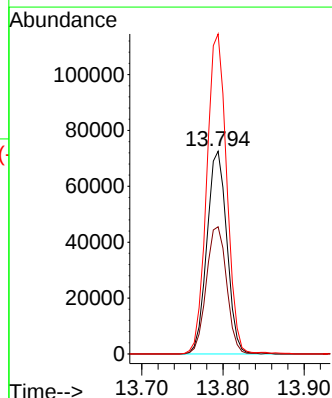
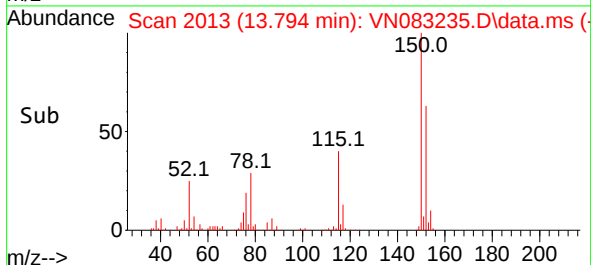
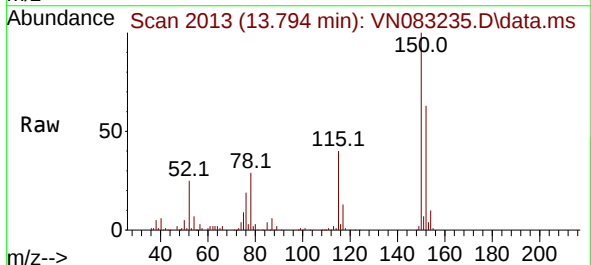


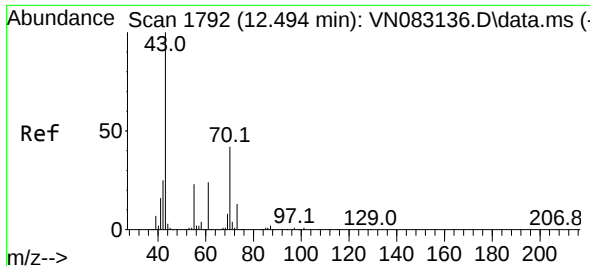
Tgt Ion:117 Resp: 275391
Ion Ratio Lower Upper
117 100
82 61.7 47.5 71.3
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

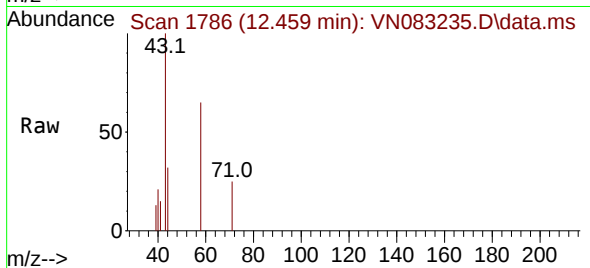
Tgt Ion:152 Resp: 123688
Ion Ratio Lower Upper
152 100
115 64.1 30.6 91.6
150 158.1 0.0 348.6



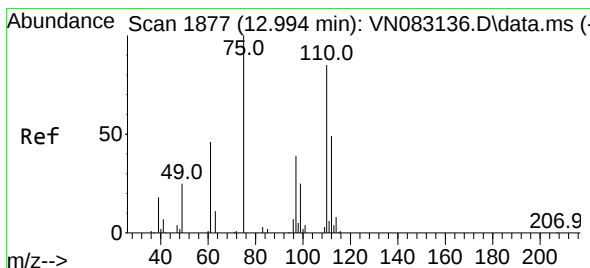
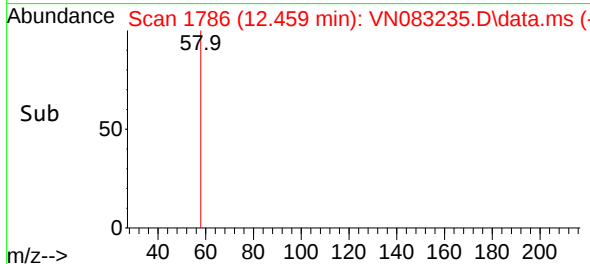
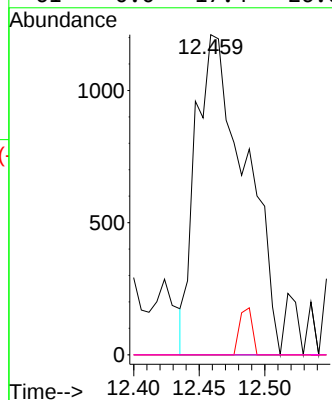


#74
N-amy1 acetate
Concen: 0.630 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

Instrument :
MSVOA_N
ClientSampleId :

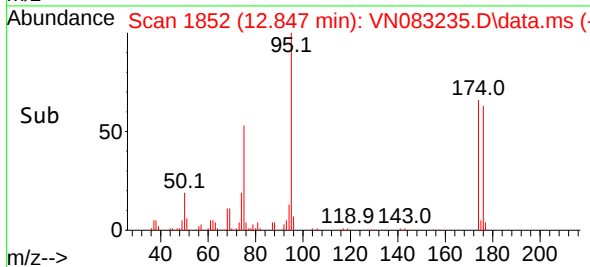
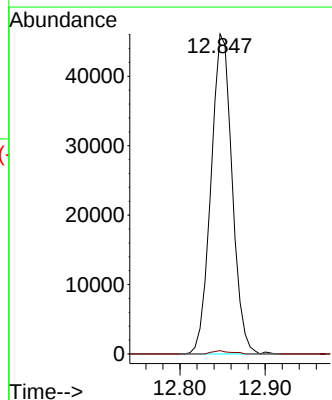
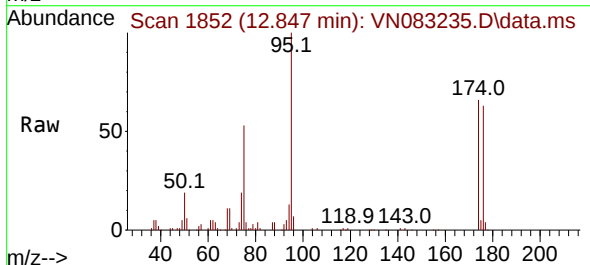


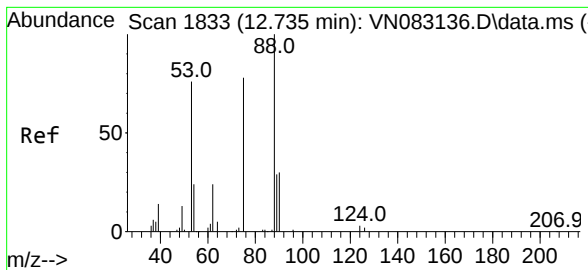
Tgt Ion: 43	Resp: 3189
Ion Ratio	Lower Upper
43	100
70	0.0 29.8 44.6#
55	0.0 18.7 28.1#
61	0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 29.203 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083235.D
Acq: 12 Aug 2024 14:11

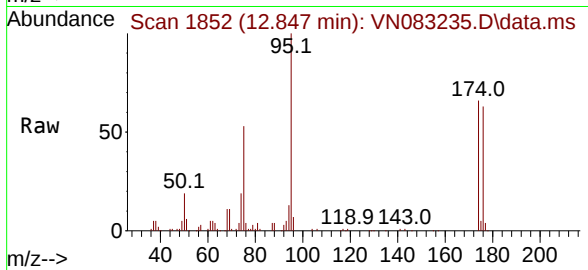
Tgt Ion: 75	Resp: 79275
Ion Ratio	Lower Upper
75	100
77	0.9 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.523 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083235.D
 Acq: 12 Aug 2024 14:11

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#

