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 Data File : VN083231.D
 Acq On : 12 Aug 2024 12:35
 Operator : JC\MD
 Sample : P3506-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

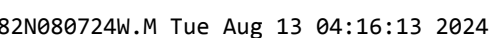
Instrument :
 MSVOA_N
 ClientSampleId :

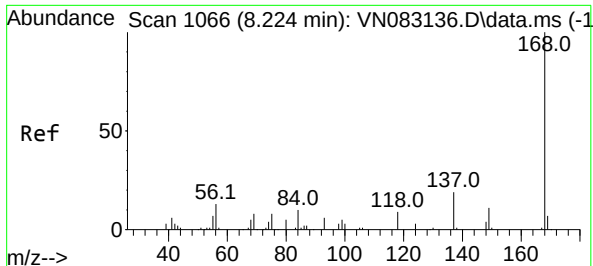
Quant Time: Aug 13 04:16:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	160870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	323138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	127595	55.723	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.440%	
35) Dibromofluoromethane	8.171	113	101185	52.975	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.960%	
50) Toluene-d8	10.565	98	391269	54.915	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.840%	
62) 4-Bromofluorobenzene	12.847	95	166836	60.062	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 120.120%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.524	59	3440	7.229	ug/l #	71
13) Acrolein	4.189	56	68	0.219	ug/l #	14
16) Acetone	4.436	43	25560	28.527	ug/l #	88
18) Methyl Acetate	5.036	43	1532	0.574	ug/l #	64
20) Methylene Chloride	5.277	84	13347	6.473	ug/l #	83
25) 2-Butanone	7.483	43	17651	12.830	ug/l	91
29) Tetrahydrofuran	7.847	42	540	0.607	ug/l #	47
31) Cyclohexane	8.224	56	4068	1.199	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	14637	5.066	ug/l #	50
37) Ethyl Acetate	7.571	43	3821	1.181	ug/l #	77
38) Carbon Tetrachloride	8.224	117	18427	5.662	ug/l #	17
40) Benzene	8.612	78	2117	0.246	ug/l	92
43) Isopropyl Acetate	8.688	43	131342	22.080	ug/l #	92
45) 1,2-Dichloropropane	9.735	63	1360	0.666	ug/l #	44
48) Methyl methacrylate	9.671	41	5261	1.967	ug/l #	54
51) 4-Methyl-2-Pentanone	10.447	43	6037	1.973	ug/l	99
52) Toluene	10.624	92	2064	0.380	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	44678	12.453	ug/l #	55
57) 1,3-Dichloropropane	11.200	76	4653	1.339	ug/l #	43
59) 2-Hexanone	11.171	43	110285	46.597	ug/l #	28
74) N-amyl acetate	12.459	43	5951	0.994	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	90979	28.322	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	90979	61.607	ug/l #	6
95) Naphthalene	15.635	128	7176	0.730	ug/l #	95

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

Quant Time: Aug 13 04:16:00 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

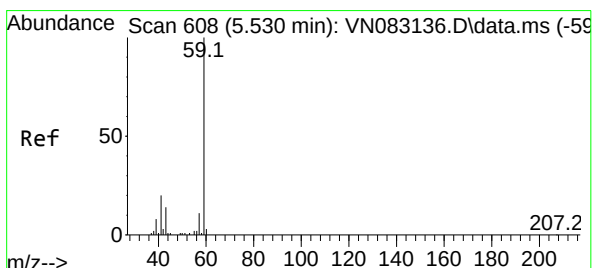
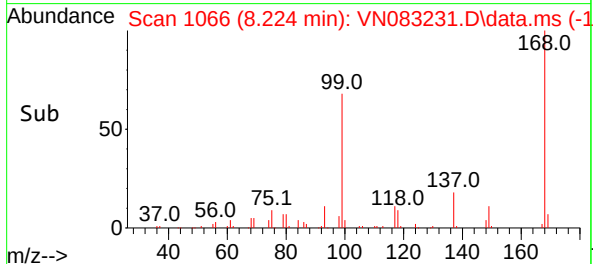
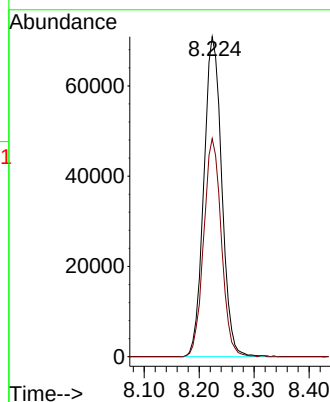
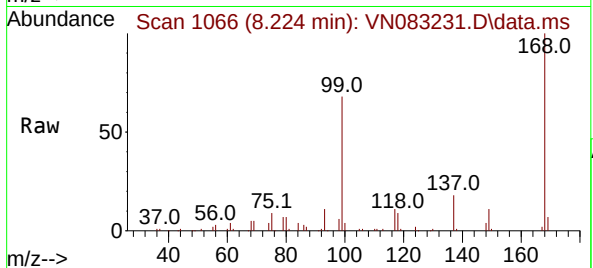




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

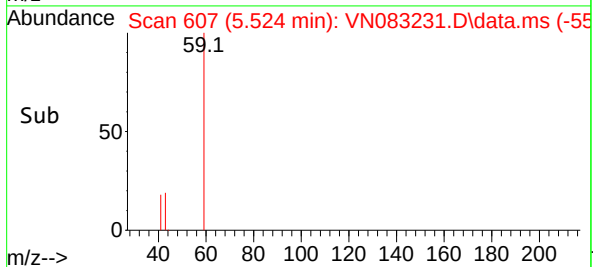
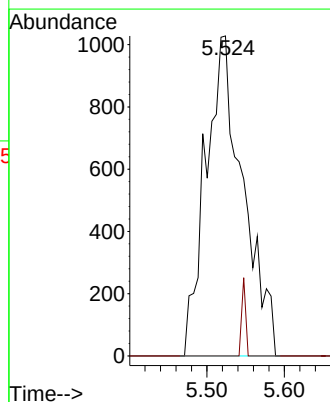
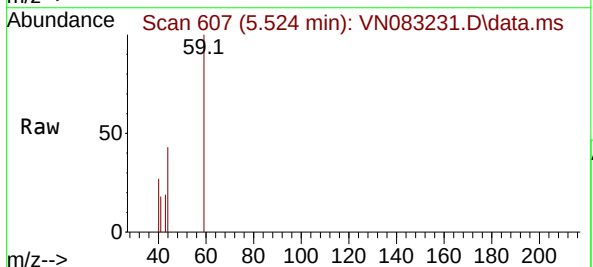
Instrument :
MSVOA_N
ClientSampleId :

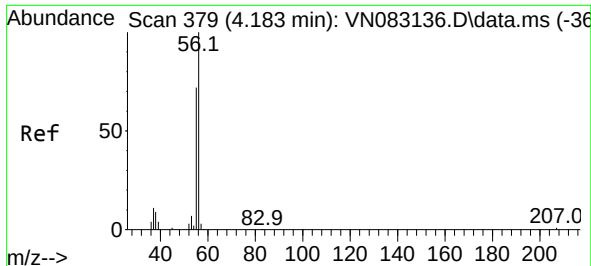
Tgt Ion:168 Resp: 160870
Ion Ratio Lower Upper
168 100
99 68.2 48.2 72.4



#11
Tert butyl alcohol
Concen: 7.229 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

Tgt Ion: 59 Resp: 3440
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

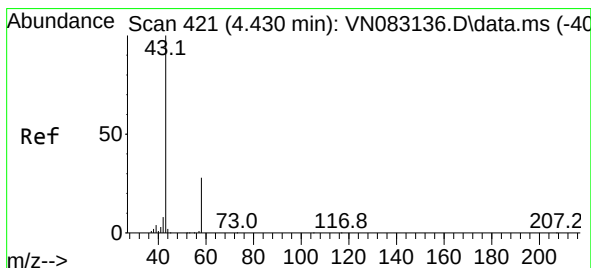
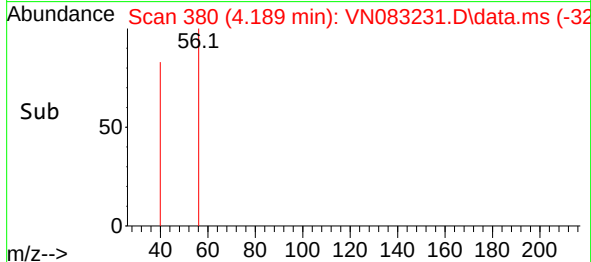
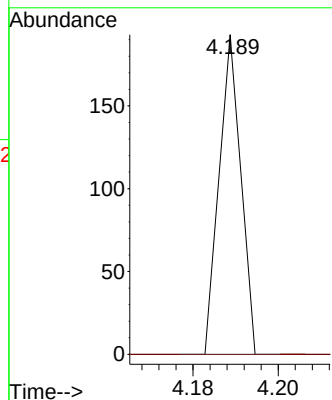
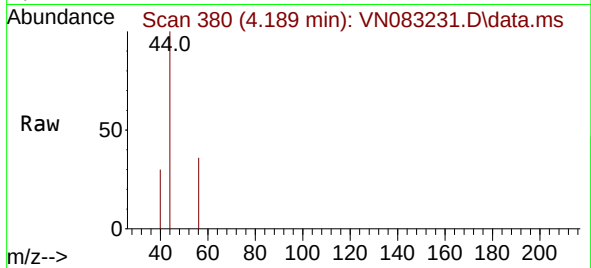




#13
Acrolein
Concen: 0.219 ug/l
RT: 4.189 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

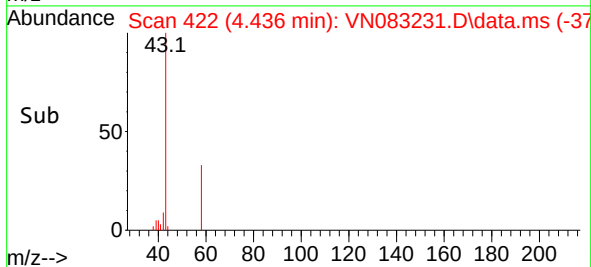
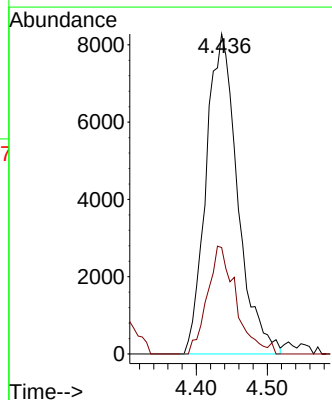
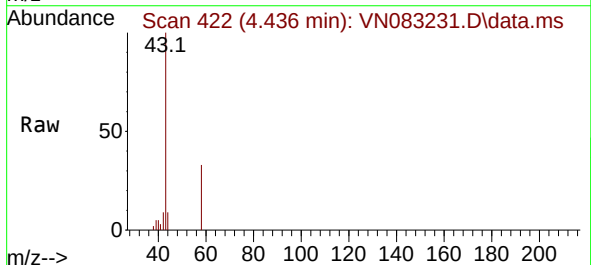
Instrument :
MSVOA_N
ClientSampleId :

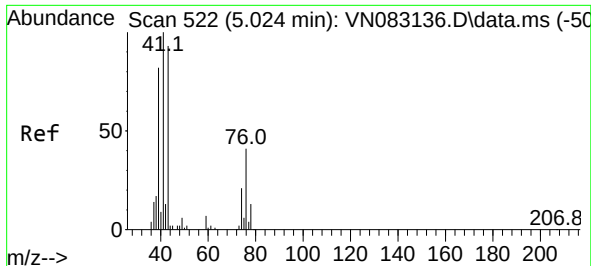
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 28.527 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

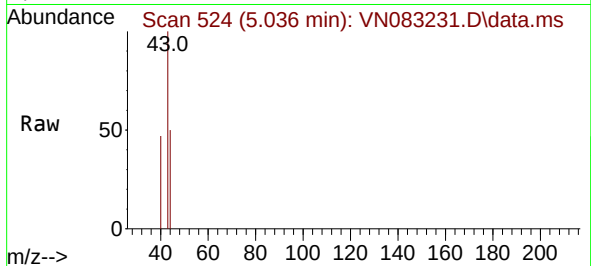
Tgt Ion: 43 Resp: 25560
Ion Ratio Lower Upper
43 100
58 33.3 21.8 32.6#



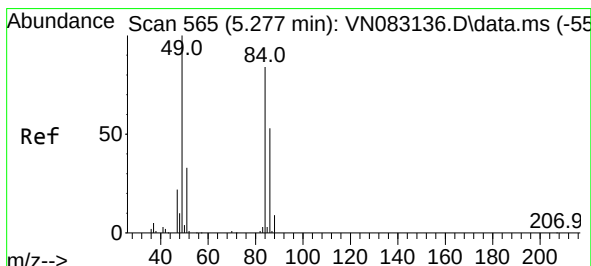
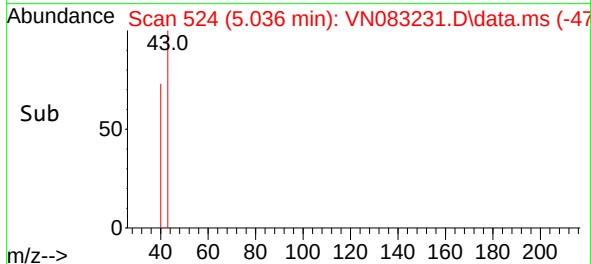
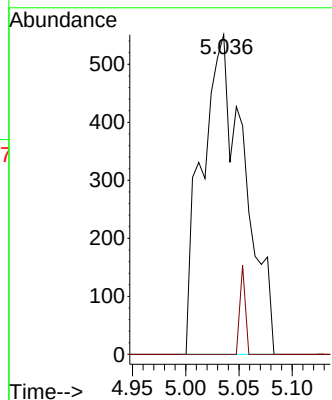


#18
Methyl Acetate
Concen: 0.574 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

Instrument :
MSVOA_N
ClientSampleId :

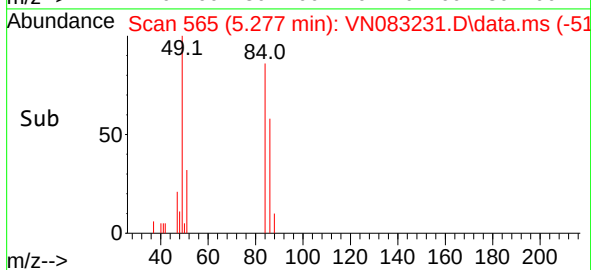
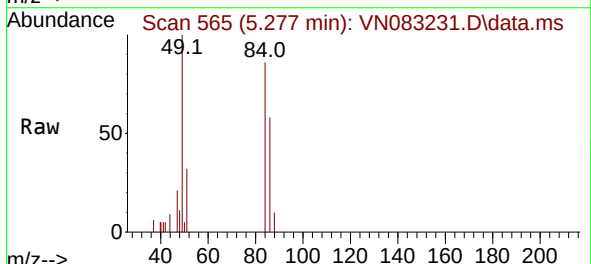
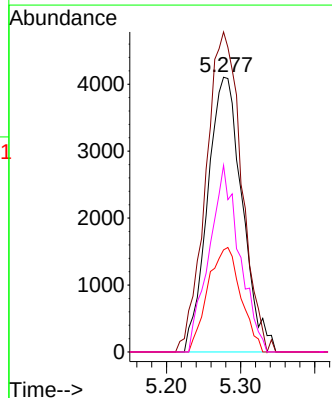


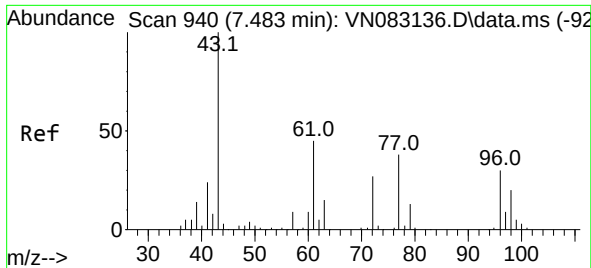
Tgt Ion: 43 Resp: 1532
Ion Ratio Lower Upper
43 100
74 3.5 16.3 24.5#



#20
Methylene Chloride
Concen: 6.473 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

Tgt Ion: 84 Resp: 13347
Ion Ratio Lower Upper
84 100
49 116.5 119.6 179.4#
51 37.1 34.8 52.2
86 67.9 52.9 79.3

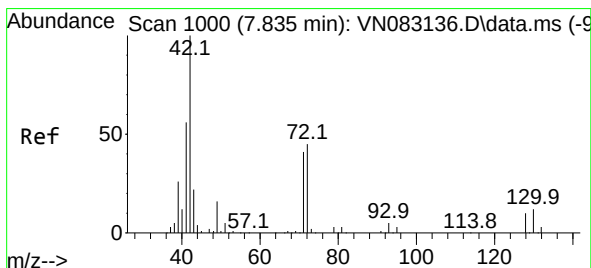
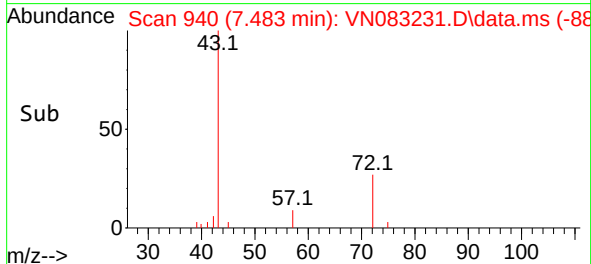
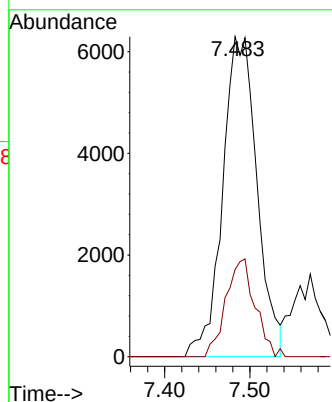
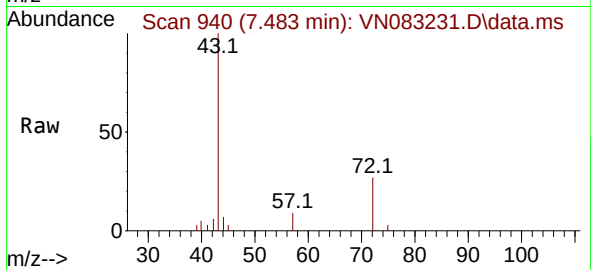




#25
2-Butanone
Concen: 12.830 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

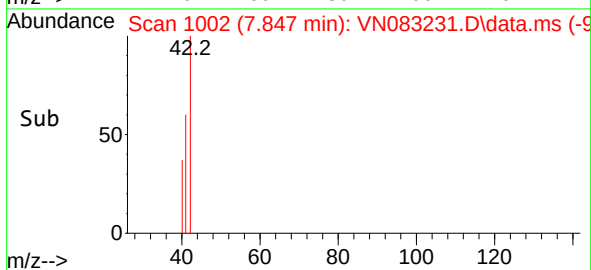
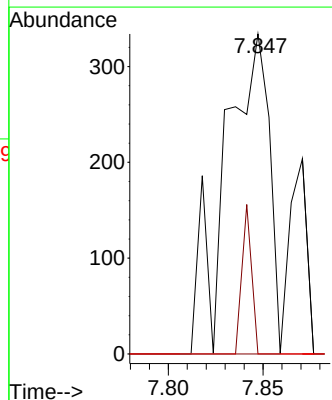
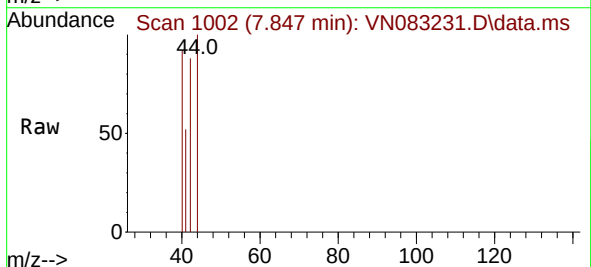
Instrument :
MSVOA_N
ClientSampleId :

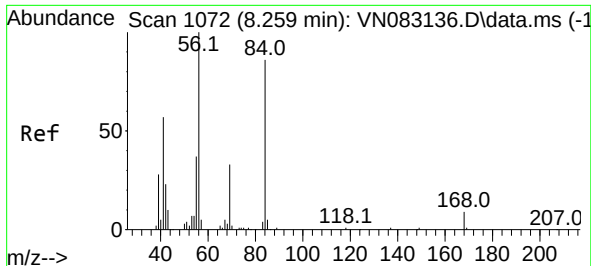
Tgt Ion: 43 Resp: 17651
Ion Ratio Lower Upper
43 100
72 27.2 18.2 27.2



#29
Tetrahydrofuran
Concen: 0.607 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

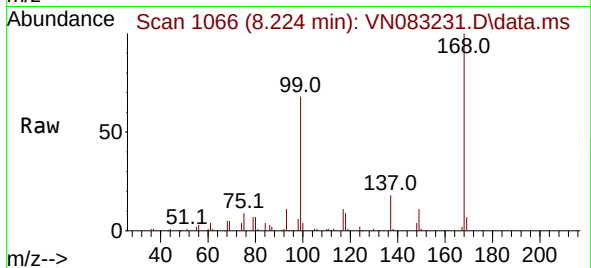
Tgt Ion: 42 Resp: 540
Ion Ratio Lower Upper
42 100
72 10.2 30.0 45.0#
71 0.0 28.3 42.5#



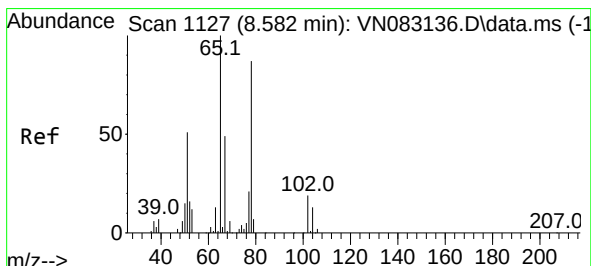
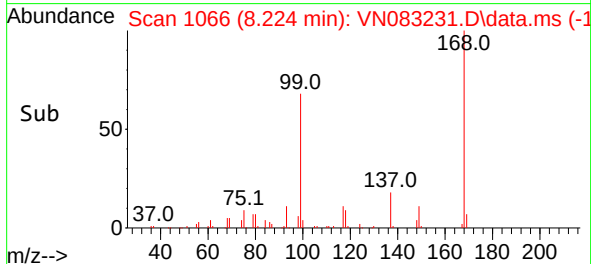
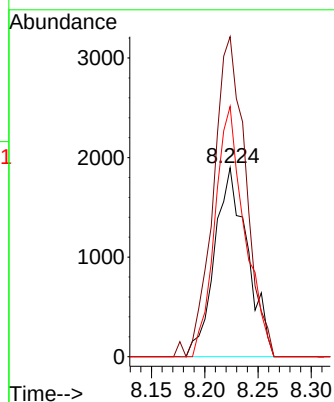


#31
Cyclohexane
Concen: 1.199 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

Instrument :
MSVOA_N
ClientSampleId :

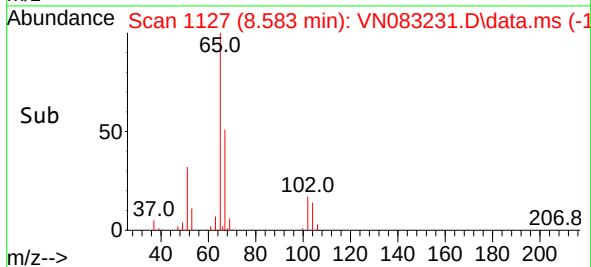
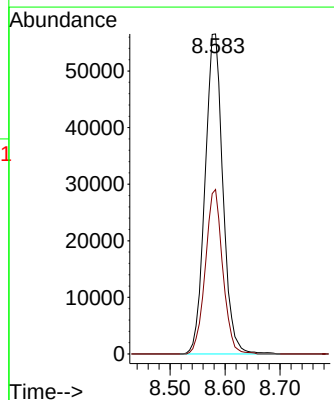
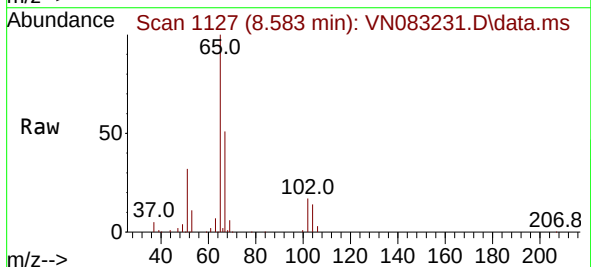


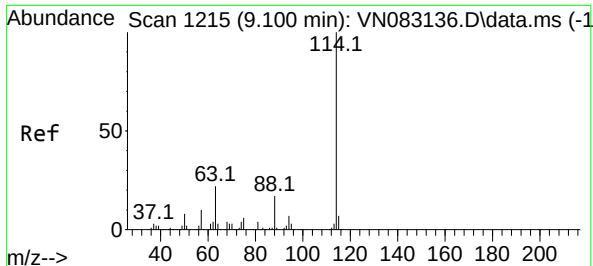
Tgt Ion: 56 Resp: 4068
Ion Ratio Lower Upper
56 100
69 169.3 24.5 36.7#
84 132.5 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 55.723 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

Tgt Ion: 65 Resp: 127595
Ion Ratio Lower Upper
65 100
67 49.9 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: VN083231.D

Acq: 12 Aug 2024 12:35

Instrument :

MSVOA_N

ClientSampleId :

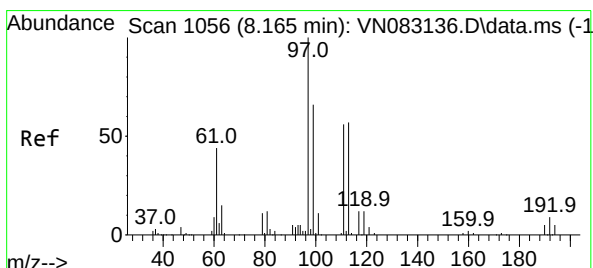
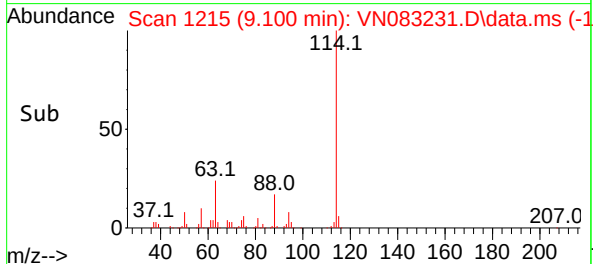
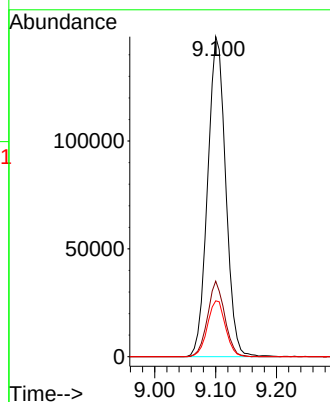
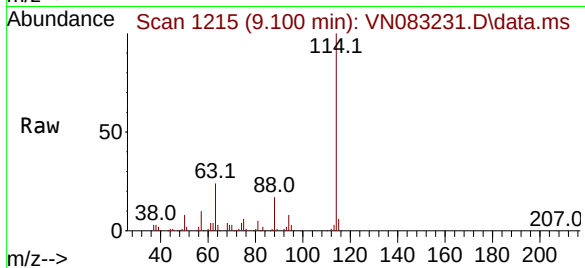
Tgt Ion:114 Resp: 306010

Ion Ratio Lower Upper

114 100

63 23.6 0.0 44.6

88 17.5 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.975 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083231.D

Acq: 12 Aug 2024 12:35

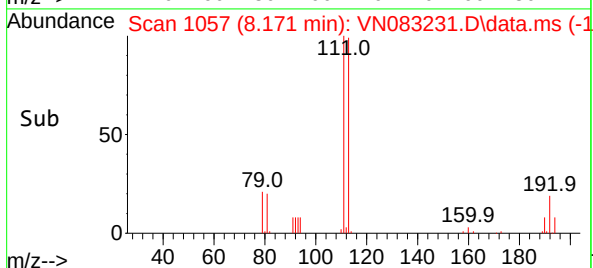
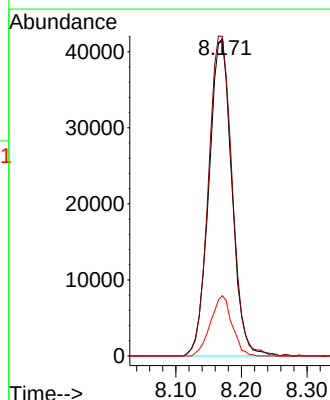
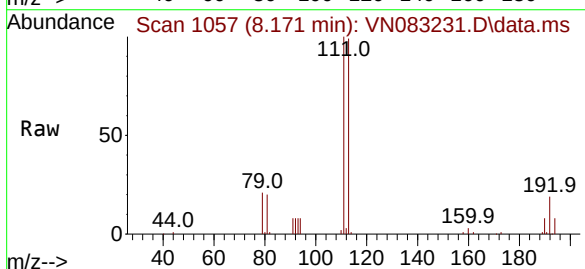
Tgt Ion:113 Resp: 101185

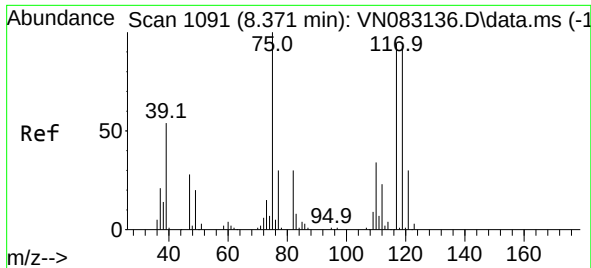
Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

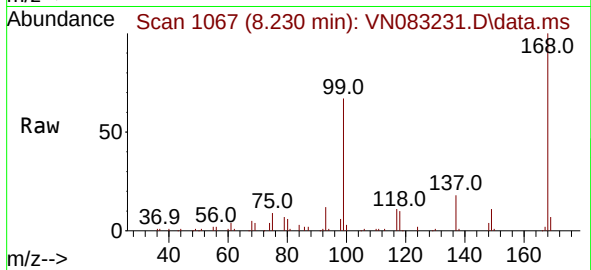
192 17.8 14.9 22.3



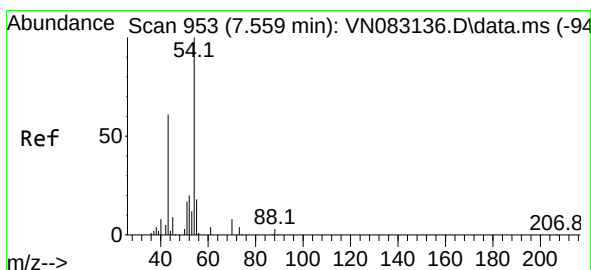
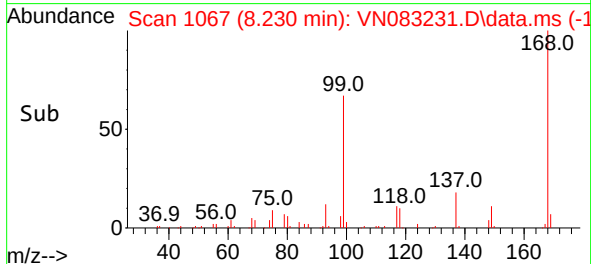
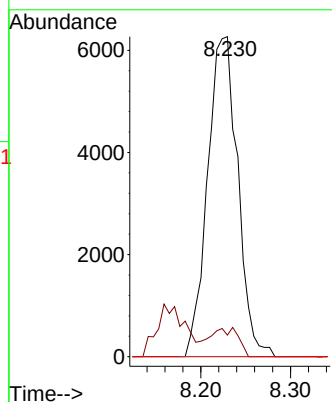


#36
1,1-Dichloropropene
Concen: 5.066 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

Instrument :
MSVOA_N
ClientSampleId :

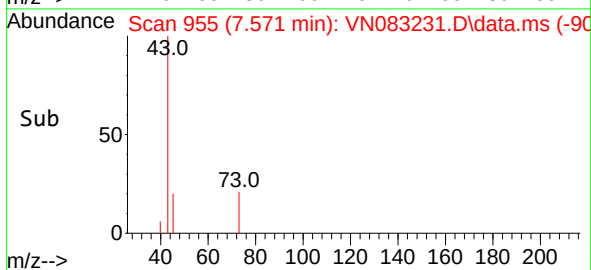
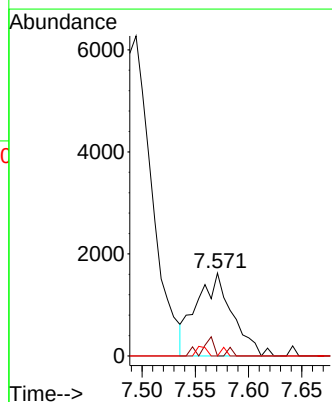
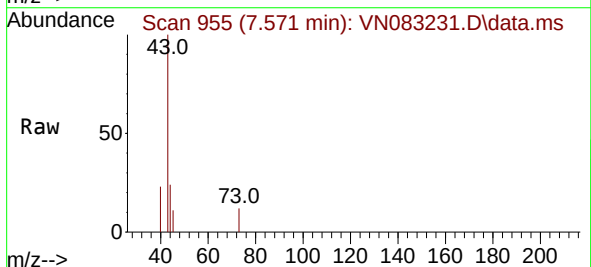


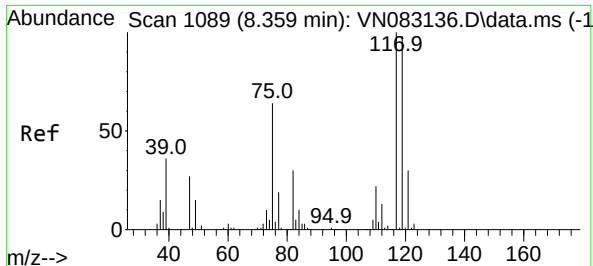
Tgt Ion: 75 Resp: 14637
Ion Ratio Lower Upper
75 100
110 8.3 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.181 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

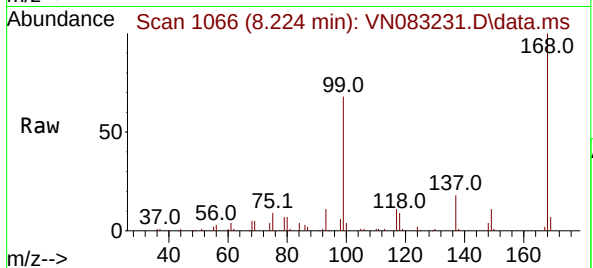
Tgt Ion: 43 Resp: 3821
Ion Ratio Lower Upper
43 100
61 1.6 9.3 13.9#
70 1.6 7.0 10.6#



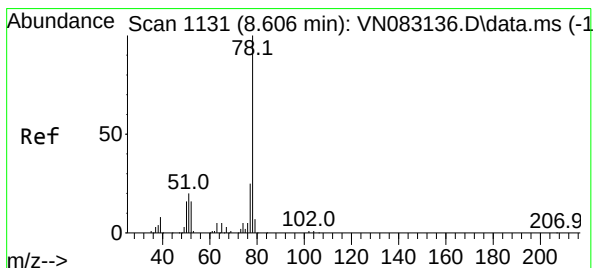
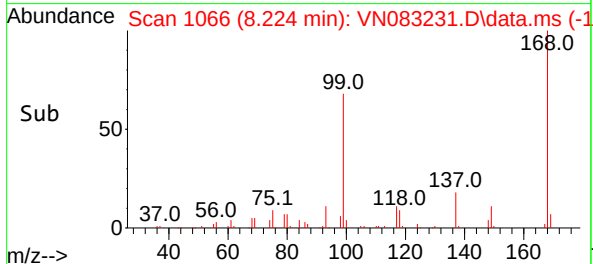
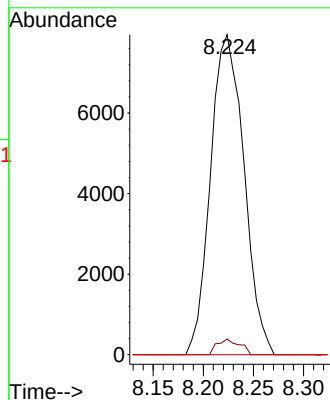


#38
Carbon Tetrachloride
Concen: 5.662 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

Instrument :
MSVOA_N
ClientSampleId :

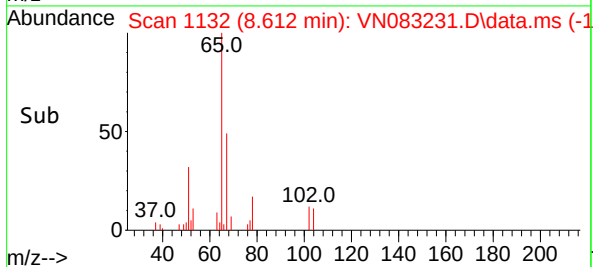
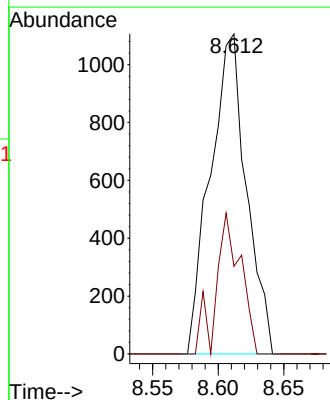
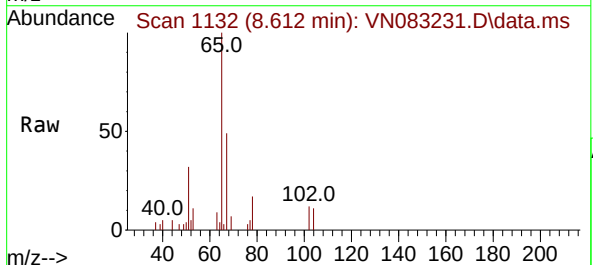


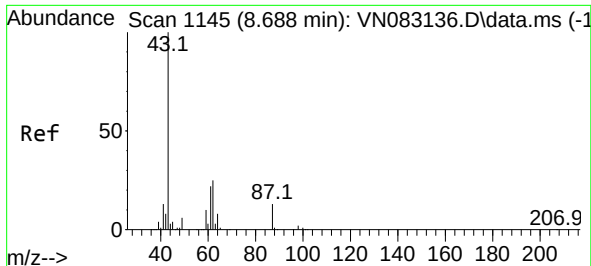
Tgt Ion:117 Resp: 18427
Ion Ratio Lower Upper
117 100
119 4.9 74.9 112.3#
121 0.0 24.3 36.5#



#40
Benzene
Concen: 0.246 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

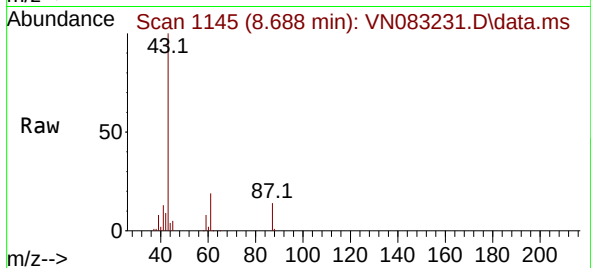
Tgt Ion: 78 Resp: 2117
Ion Ratio Lower Upper
78 100
77 27.4 19.0 28.4



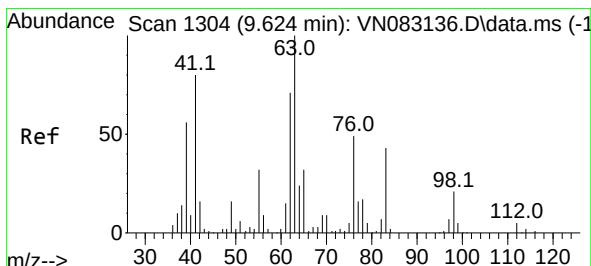
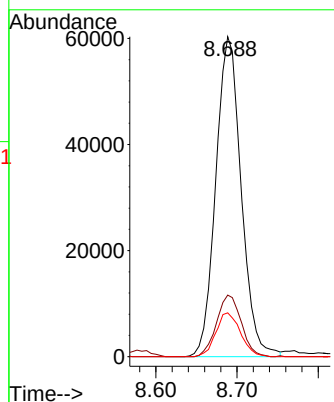
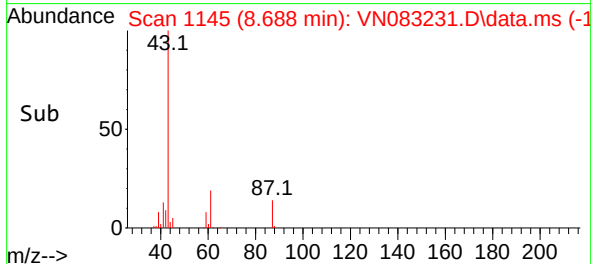


#43
Isopropyl Acetate
Concen: 22.080 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

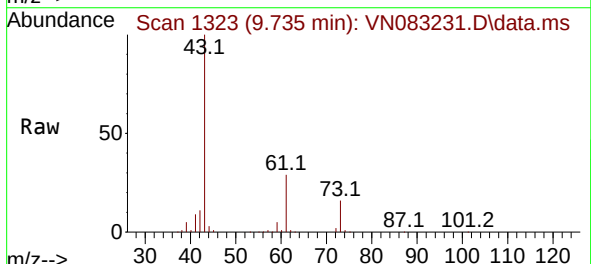
Instrument :
MSVOA_N
ClientSampleId :



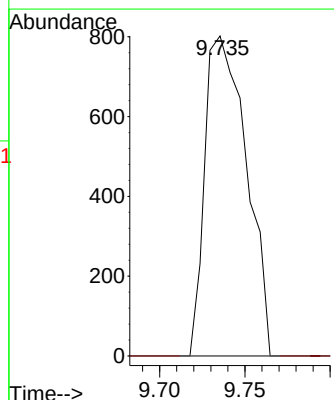
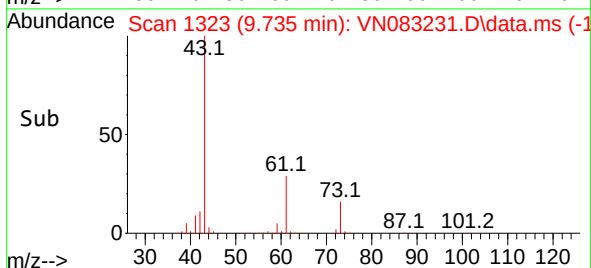
Tgt Ion: 43 Resp: 131342
Ion Ratio Lower Upper
43 100
61 18.7 17.8 26.6
87 13.3 8.2 12.2#

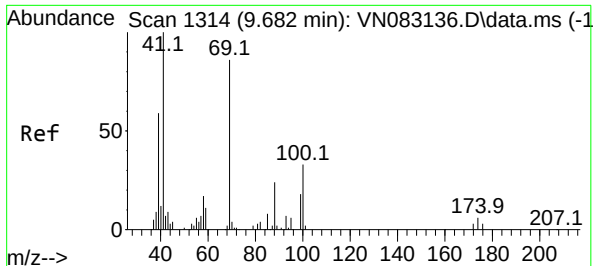


#45
1,2-Dichloropropane
Concen: 0.666 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35



Tgt Ion: 63 Resp: 1360
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#





#48

Methyl methacrylate

Concen: 1.967 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.012 min

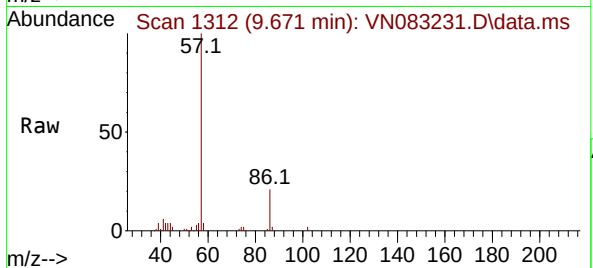
Lab File: VN083231.D

Acq: 12 Aug 2024 12:35

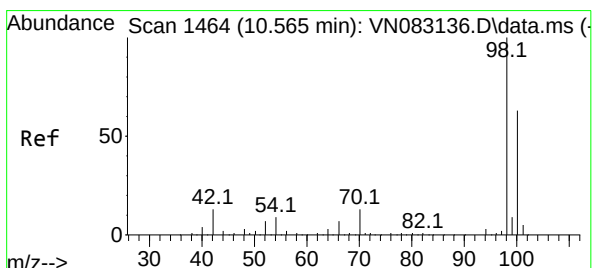
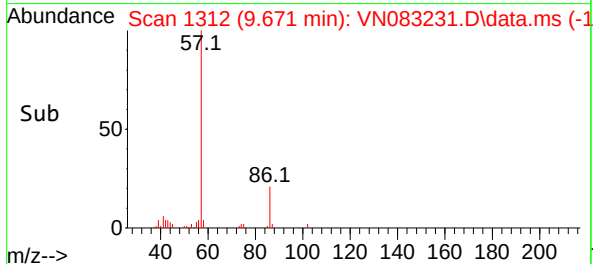
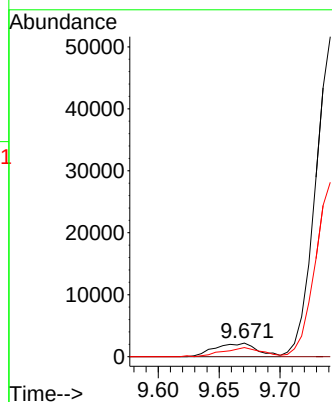
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	41	Resp:	5261
Ion	Ratio	Lower	Upper
41	100		
69	0.0	56.3	84.5#
39	62.3	50.3	75.5



#50

Toluene-d8

Concen: 54.915 ug/l

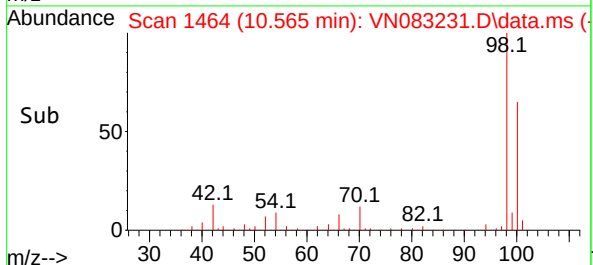
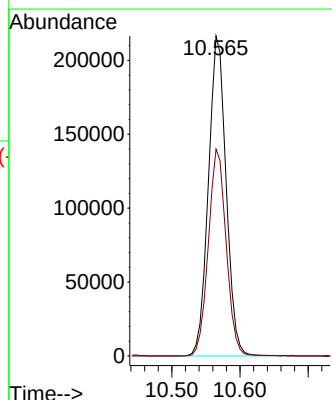
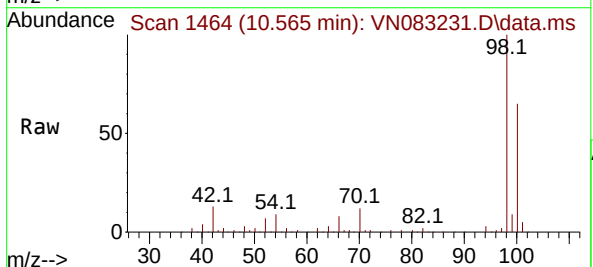
RT: 10.565 min Scan# 1464

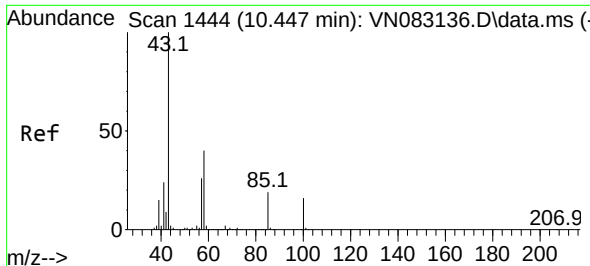
Delta R.T. 0.000 min

Lab File: VN083231.D

Acq: 12 Aug 2024 12:35

Tgt Ion:	98	Resp:	391269
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.5	77.3

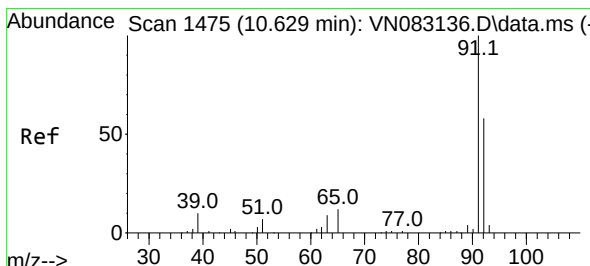
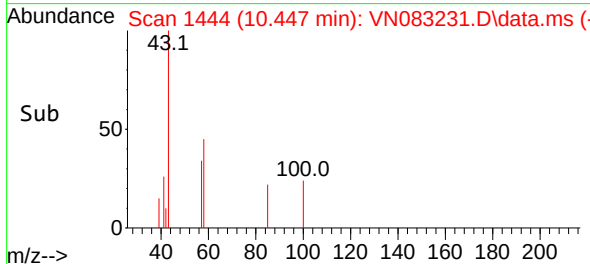
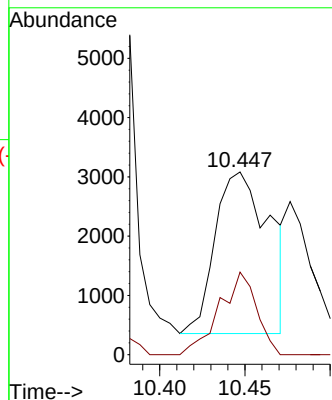
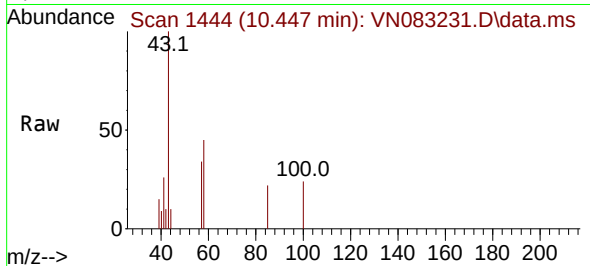




#51
4-Methyl-2-Pentanone
Concen: 1.973 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

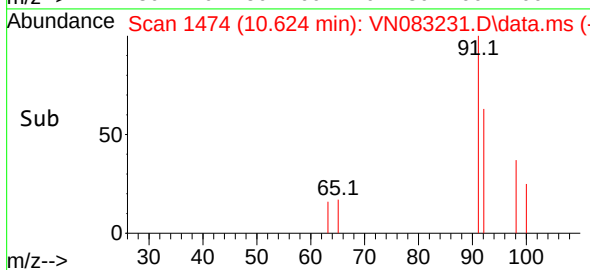
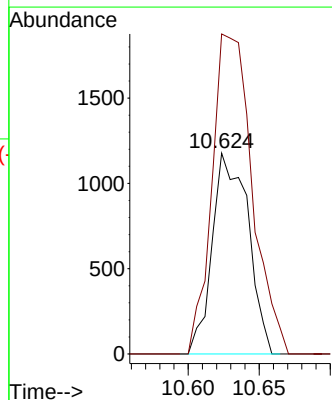
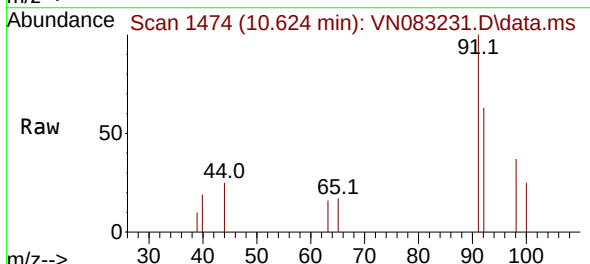
Instrument :
MSVOA_N
ClientSampleId :

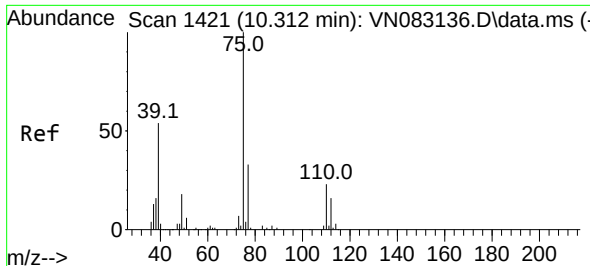
Tgt Ion: 43 Resp: 6037
Ion Ratio Lower Upper
43 100
58 34.9 28.2 42.4



#52
Toluene
Concen: 0.380 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

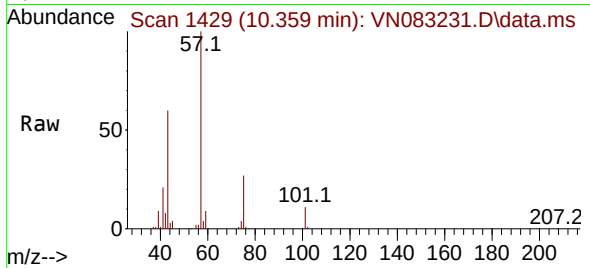
Tgt Ion: 92 Resp: 2064
Ion Ratio Lower Upper
92 100
91 178.9 139.4 209.0



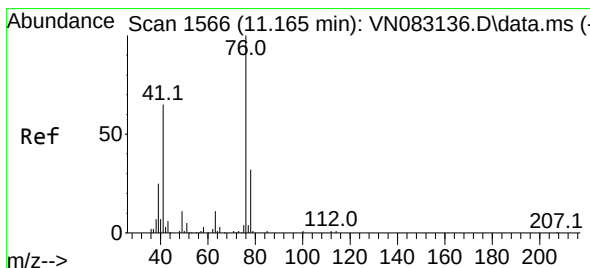
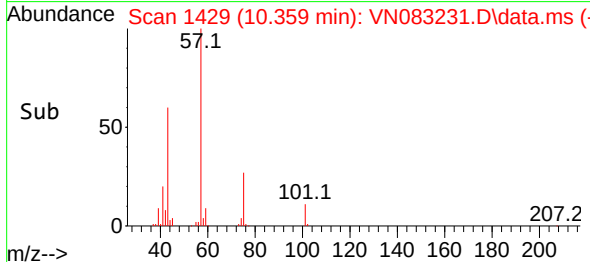
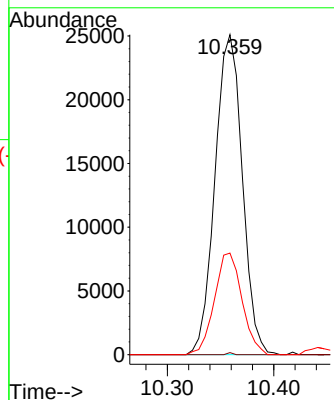


#54
cis-1,3-Dichloropropene
Concen: 12.453 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

Instrument :
MSVOA_N
ClientSampleId :

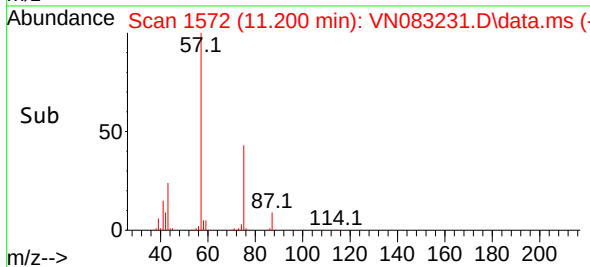
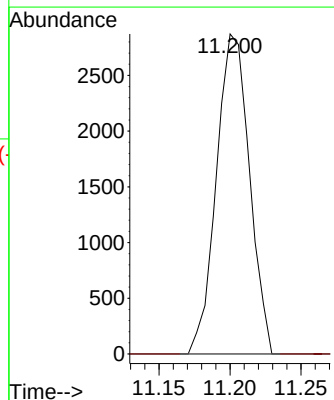
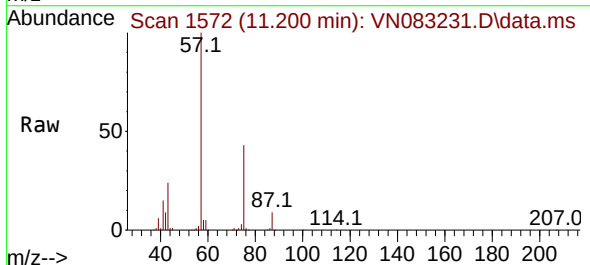


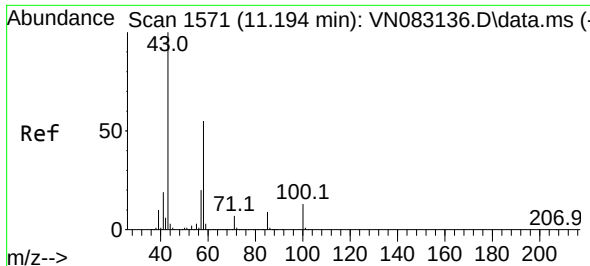
Tgt Ion: 75 Resp: 44678
Ion Ratio Lower Upper
75 100
77 0.6 24.3 36.5#
39 31.7 50.5 75.7#



#57
1,3-Dichloropropane
Concen: 1.339 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

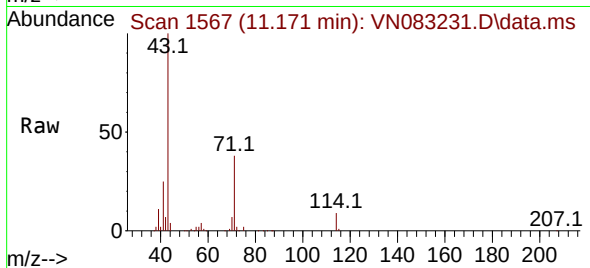
Tgt Ion: 76 Resp: 4653
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



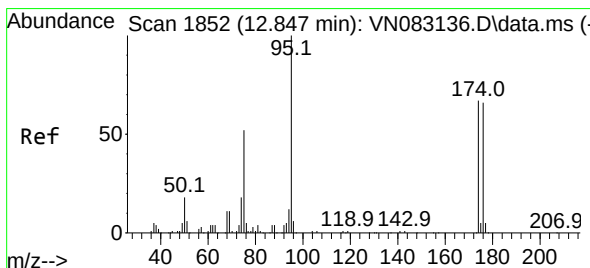
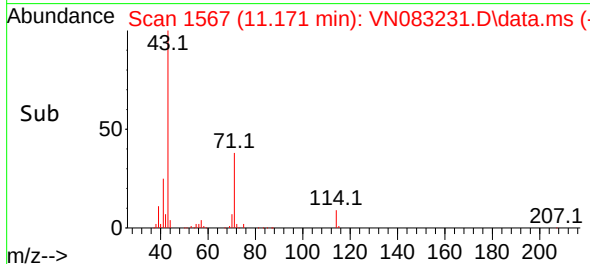
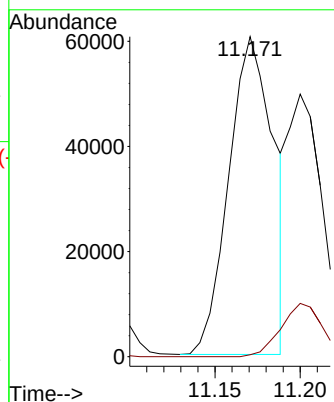


#59
2-Hexanone
Concen: 46.597 ug/l
RT: 11.171 min Scan# 110285
Delta R.T. -0.024 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

Instrument :
MSVOA_N
ClientSampleId :

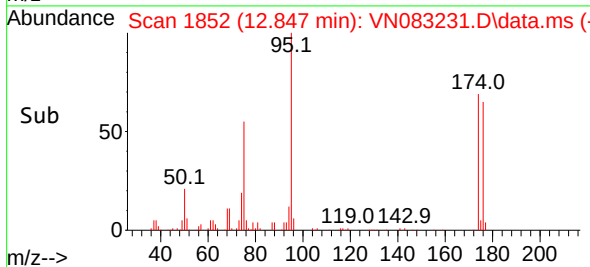
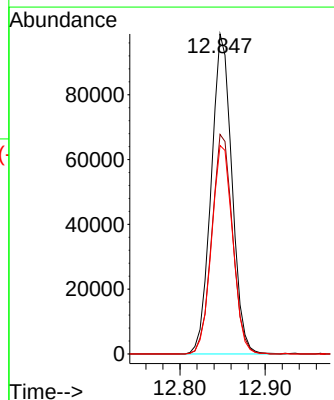
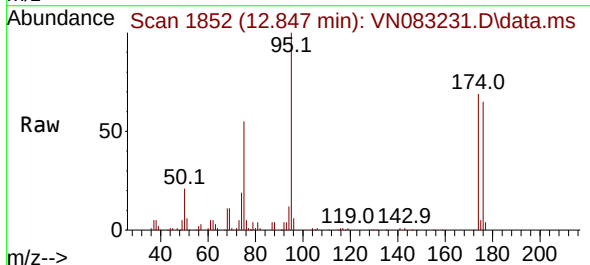


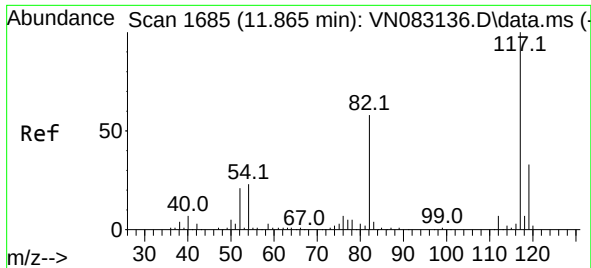
Tgt Ion: 43 Resp: 110285
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 60.062 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

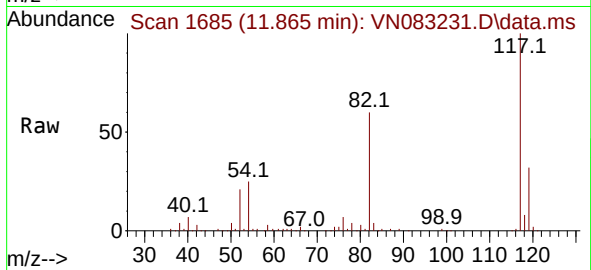
Tgt Ion: 95 Resp: 166836
Ion Ratio Lower Upper
95 100
174 69.0 0.0 159.2
176 66.5 0.0 147.6



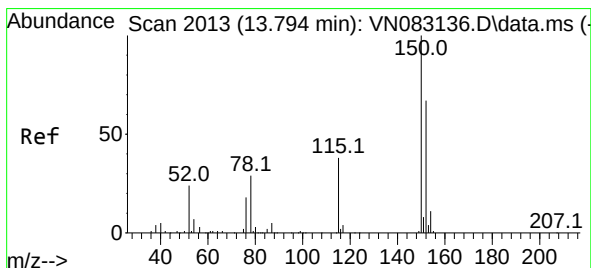
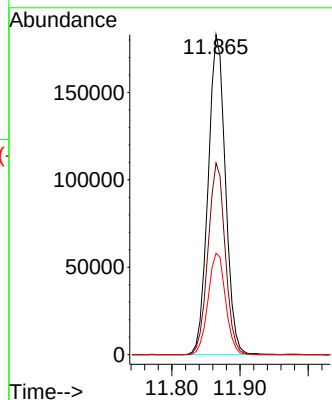
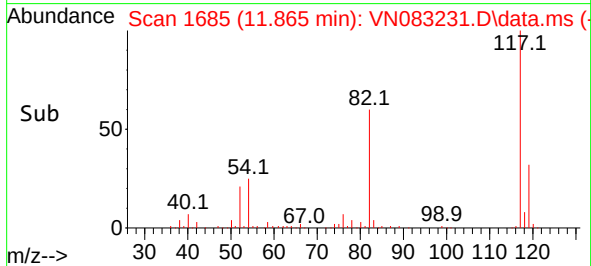


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

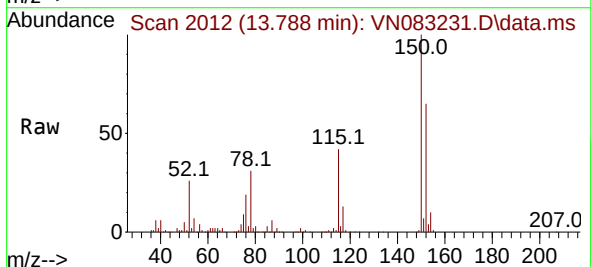
Instrument :
MSVOA_N
ClientSampleId :



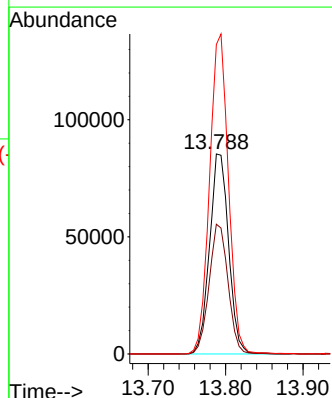
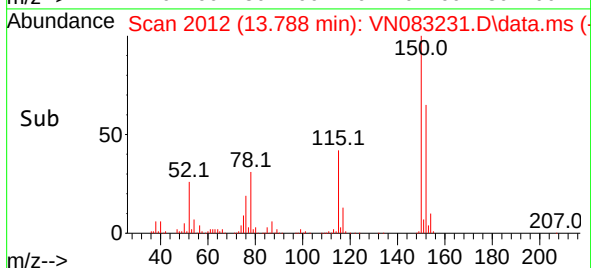
Tgt Ion:117 Resp: 323138
Ion Ratio Lower Upper
117 100
82 59.8 47.5 71.3
119 31.7 25.6 38.4

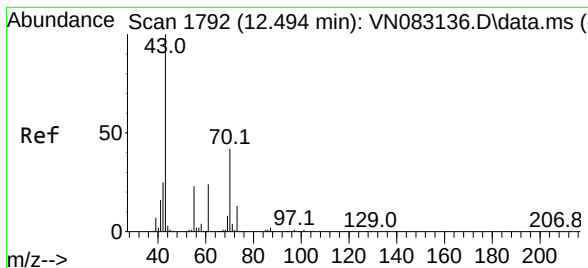


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35



Tgt Ion:152 Resp: 146363
Ion Ratio Lower Upper
152 100
115 64.4 30.6 91.6
150 158.4 0.0 348.6





#74

N-amy1 acetate

Concen: 0.994 ug/l

RT: 12.459 min Scan# 1

Delta R.T. -0.035 min

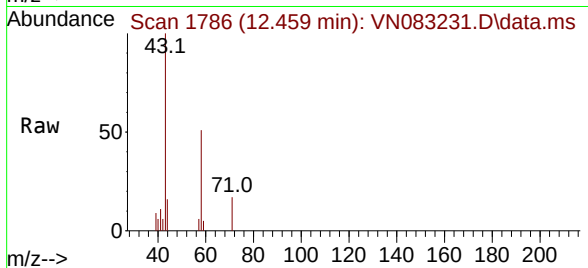
Lab File: VN083231.D

Acq: 12 Aug 2024 12:35

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 5951

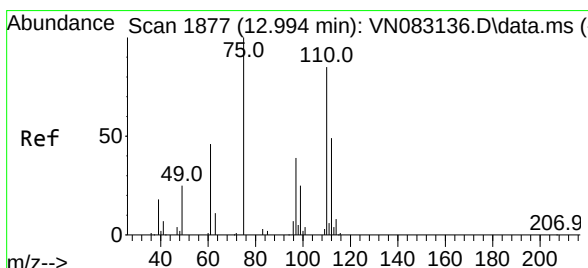
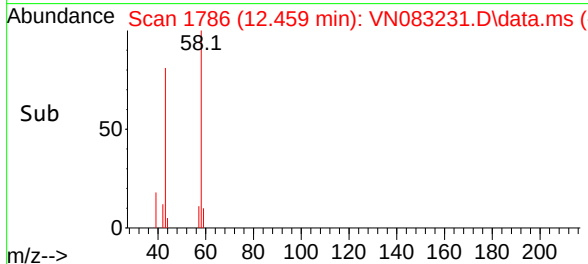
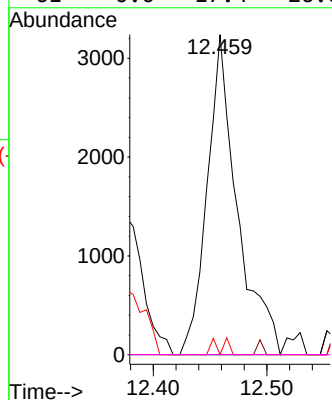
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.6#

55 2.0 18.7 28.1#

61 0.0 17.4 26.0#



#76

1,2,3-Trichloropropane

Concen: 28.322 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083231.D

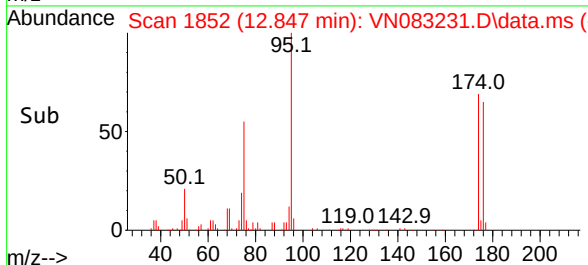
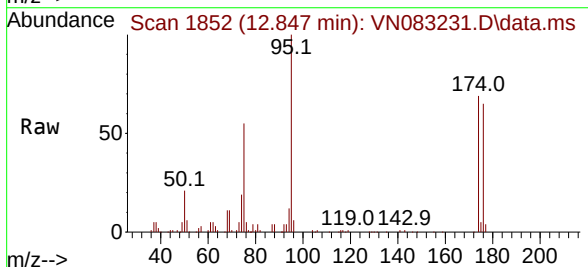
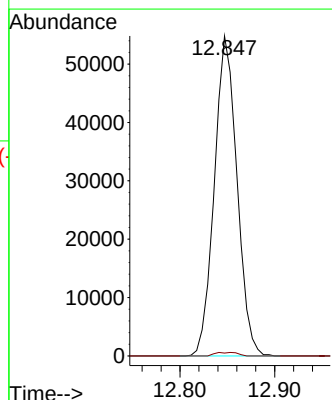
Acq: 12 Aug 2024 12:35

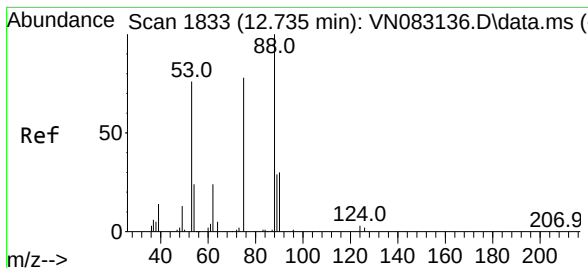
Tgt Ion: 75 Resp: 90979

Ion Ratio Lower Upper

75 100

77 1.1 110.9 332.6#

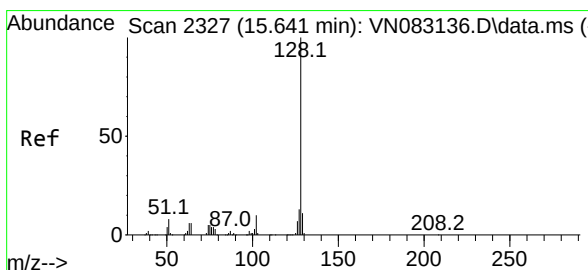
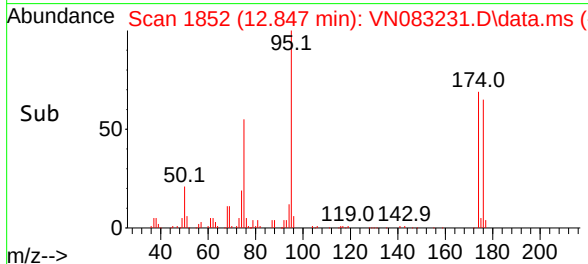
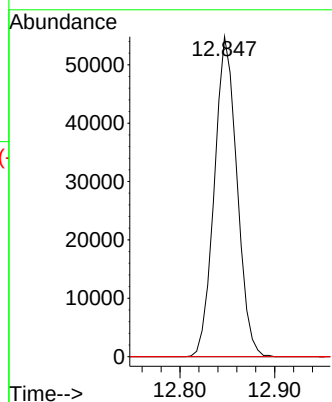
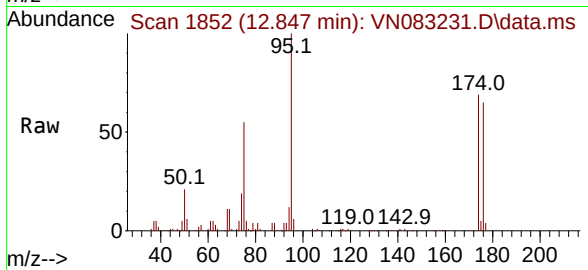




#81
trans-1,4-Dichloro-2-butene
Concen: 61.607 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 90979
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



#95
Naphthalene
Concen: 0.730 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN083231.D
Acq: 12 Aug 2024 12:35

Tgt Ion: 128 Resp: 7176
Ion Ratio Lower Upper
128 100
127 9.9 10.6 16.0#
129 11.1 8.6 12.8

