

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073024\
 Data File : VN083085.D
 Acq On : 30 Jul 2024 22:19
 Operator : JC\MD
 Sample : P3376-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 31 06:11:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

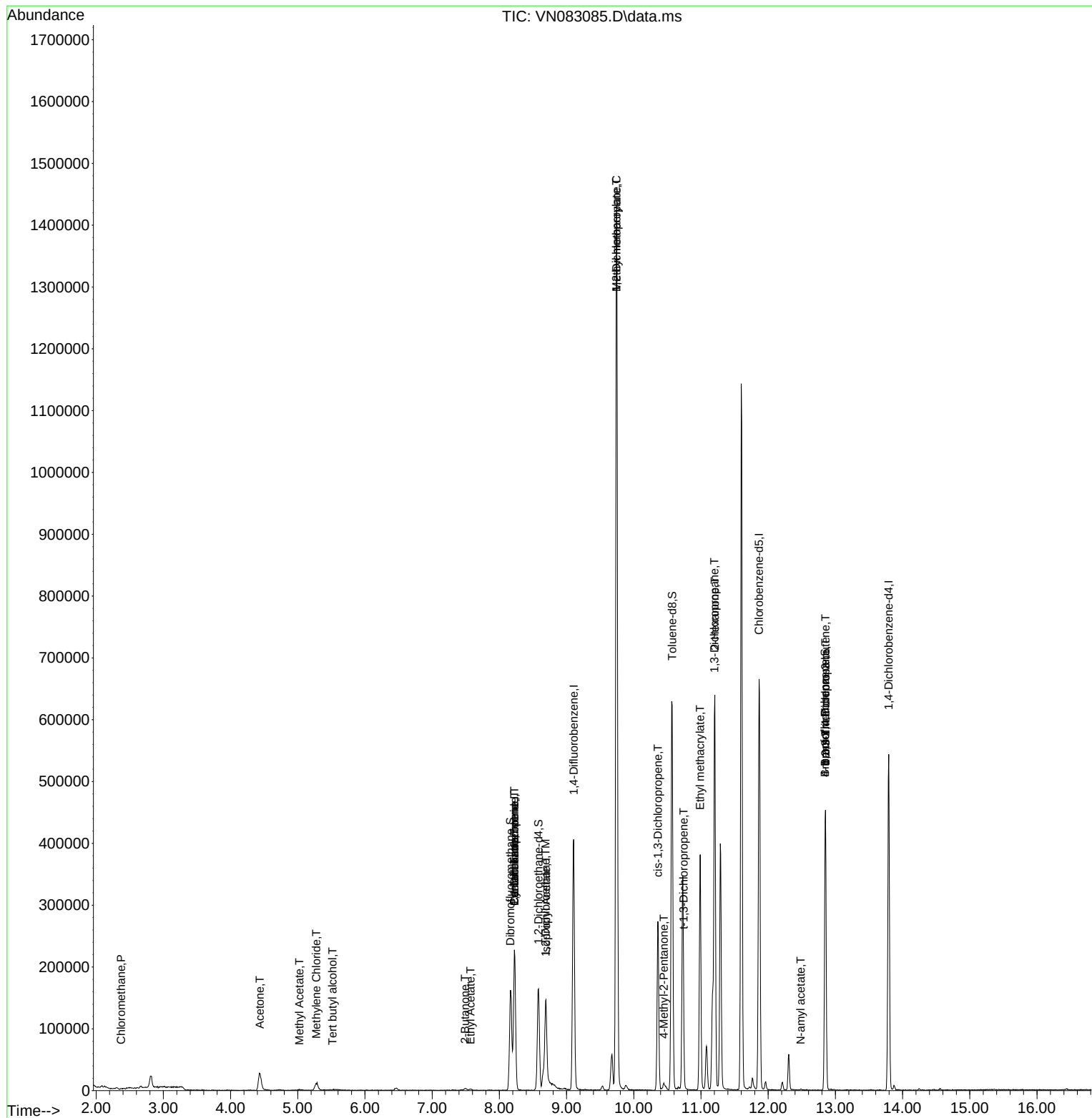
Internal Standards						
1) Pentafluorobenzene	8.224	168	151732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	324858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	375363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	137358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	134965	63.454	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 126.900%#	
35) Dibromofluoromethane	8.165	113	115361	55.341	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.680%	
50) Toluene-d8	10.570	98	423652	55.026	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.060%	
62) 4-Bromofluorobenzene	12.847	95	141483	51.158	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 102.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	452	0.243	ug/l #	43
11) Tert butyl alcohol	5.518	59	320	0.894	ug/l #	71
16) Acetone	4.436	43	53734	71.755	ug/l	93
18) Methyl Acetate	5.024	43	1396	0.705	ug/l #	73
20) Methylene Chloride	5.277	84	9234	5.106	ug/l #	89
25) 2-Butanone	7.488	43	5685	5.028	ug/l #	83
31) Cyclohexane	8.224	56	4697	1.689	ug/l #	47
36) 1,1-Dichloropropene	8.224	75	13877	4.828	ug/l #	52
37) Ethyl Acetate	7.571	43	3691	1.261	ug/l #	87
38) Carbon Tetrachloride	8.224	117	17318	5.005	ug/l #	20
42) 1,2-Dichloroethane	8.688	62	990	0.311	ug/l #	78
43) Isopropyl Acetate	8.694	43	186658	32.812	ug/l #	88
45) 1,2-Dichloropropane	9.741	63	1819	0.881	ug/l #	44
48) Methyl methacrylate	9.741	41	143494	62.543	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	6308	2.175	ug/l #	87
53) t-1,3-Dichloropropene	10.741	75	773	0.226	ug/l #	33
54) cis-1,3-Dichloropropene	10.359	75	44213	12.204	ug/l #	69
56) Ethyl methacrylate	10.988	69	2864	0.907	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6198	1.724	ug/l #	43
59) 2-Hexanone	11.206	43	84274	39.076	ug/l #	61
71) Bromoform	12.847	173	1713	0.761	ug/l #	1
74) N-amyl acetate	12.482	43	1025	0.248	ug/l #	49
76) 1,2,3-Trichloropropane	12.853	75	79738	33.671	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	79738	66.222	ug/l #	6

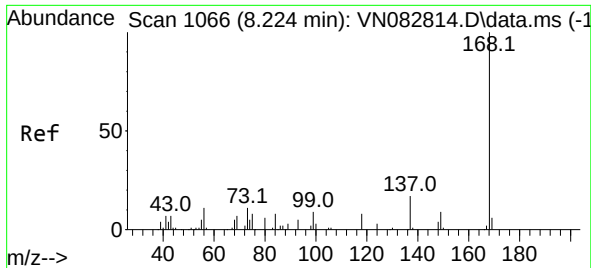
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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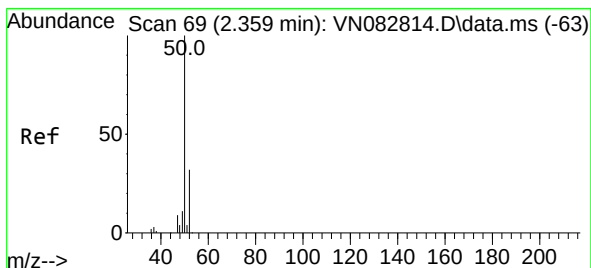
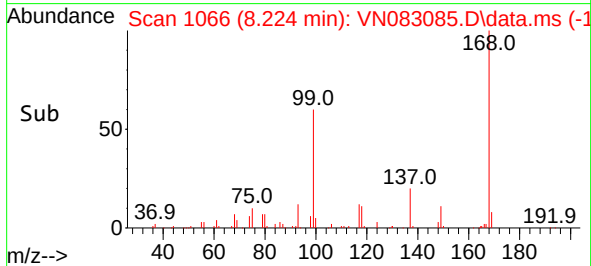
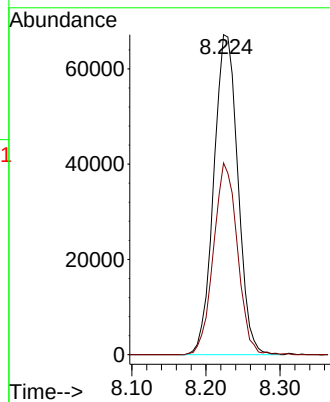
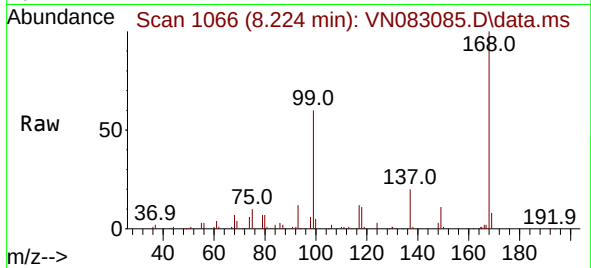




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN083085.D
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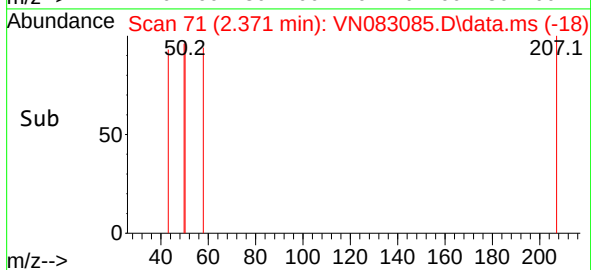
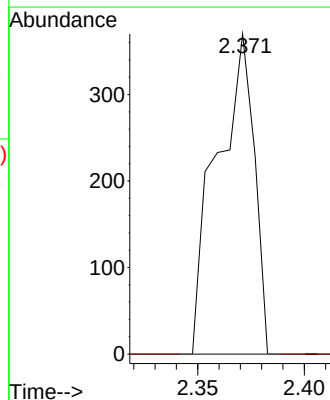
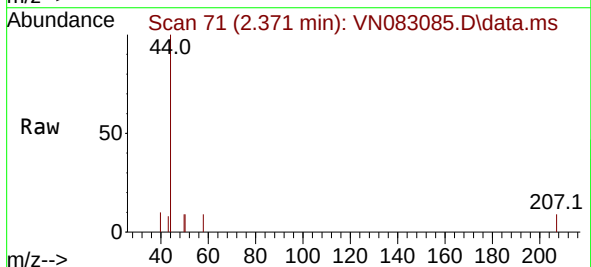
Instrument :
MSVOA_N
ClientSampleId :

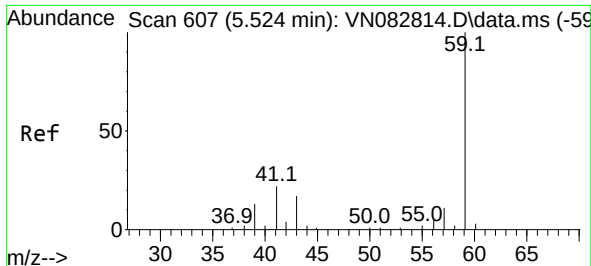
Tgt Ion:168 Resp: 151732
Ion Ratio Lower Upper
168 100
99 59.9 48.2 72.4



#3
Chloromethane
Concen: 0.243 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

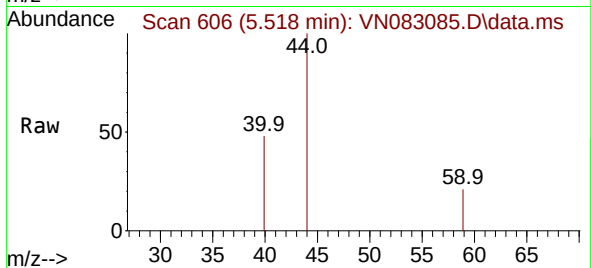
Tgt Ion: 50 Resp: 452
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



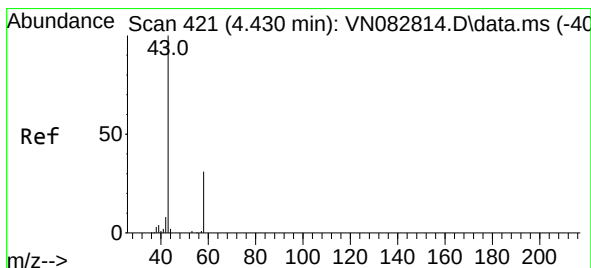
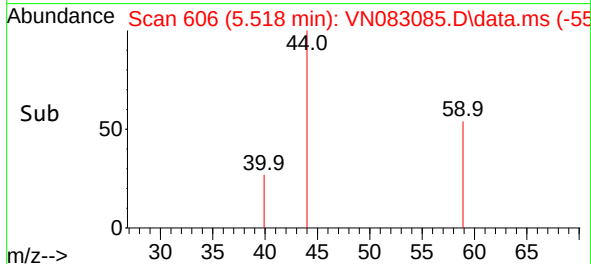
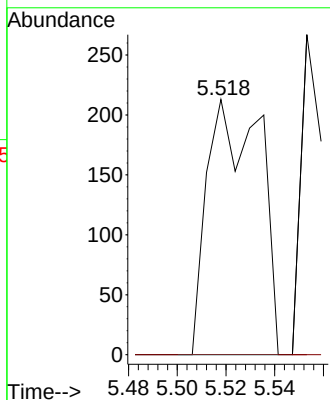


#11
Tert butyl alcohol
Concen: 0.894 ug/l
RT: 5.518 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

Instrument :
MSVOA_N
ClientSampleId :

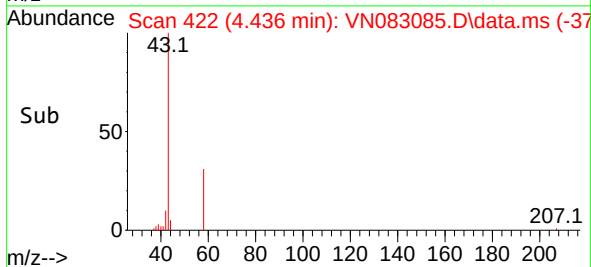
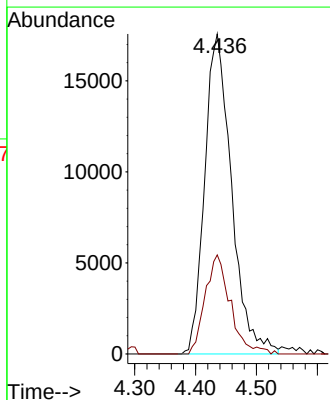
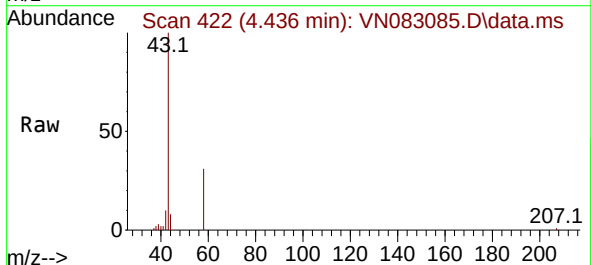


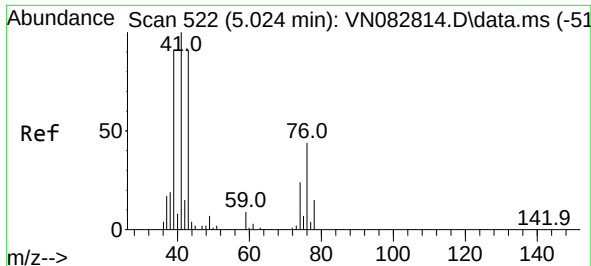
Tgt Ion: 59 Resp: 320
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 71.755 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

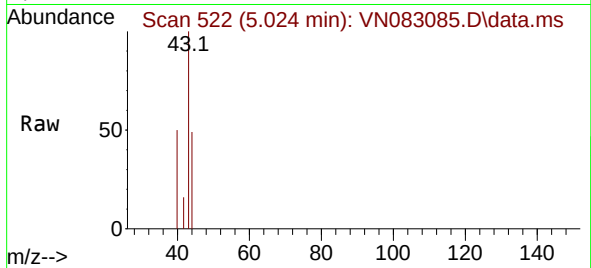
Tgt Ion: 43 Resp: 53734
Ion Ratio Lower Upper
43 100
58 31.0 21.8 32.6



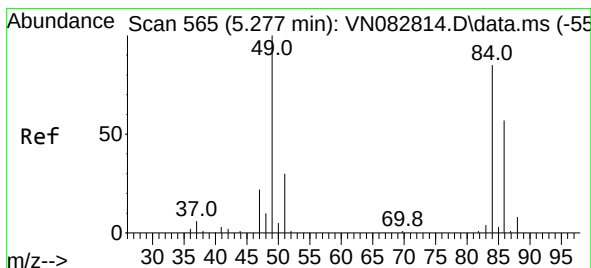
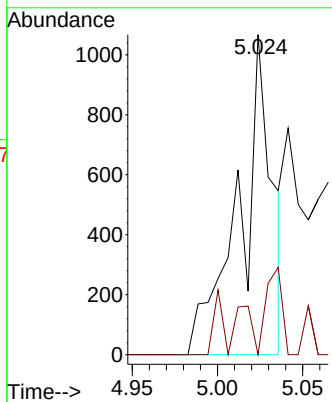
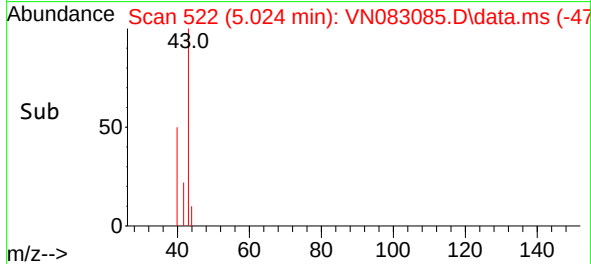


#18
Methyl Acetate
Concen: 0.705 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

Instrument :
MSVOA_N
ClientSampleId :

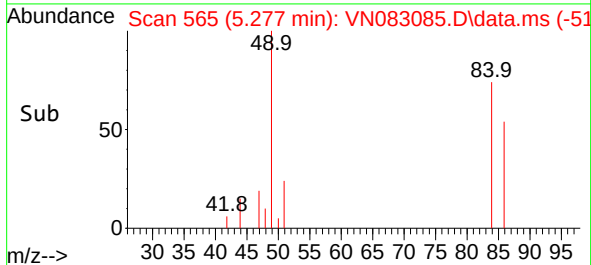
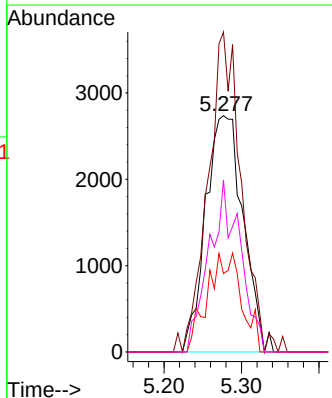
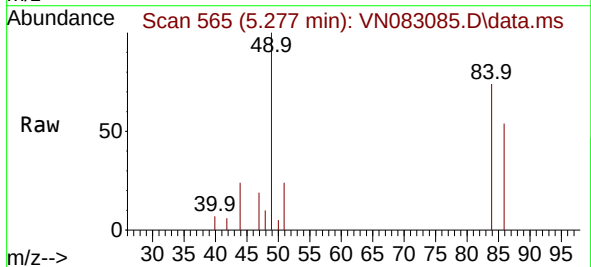


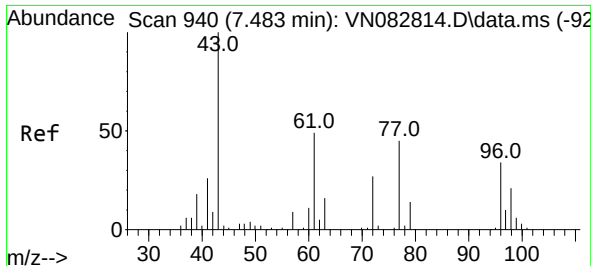
Tgt Ion: 43 Resp: 1396
Ion Ratio Lower Upper
43 100
74 8.1 16.3 24.5#



#20
Methylene Chloride
Concen: 5.106 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

Tgt Ion: 84 Resp: 9234
Ion Ratio Lower Upper
84 100
49 135.4 119.6 179.4
51 33.2 34.8 52.2#
86 72.8 52.9 79.3

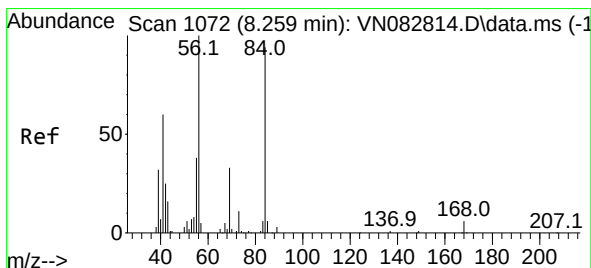
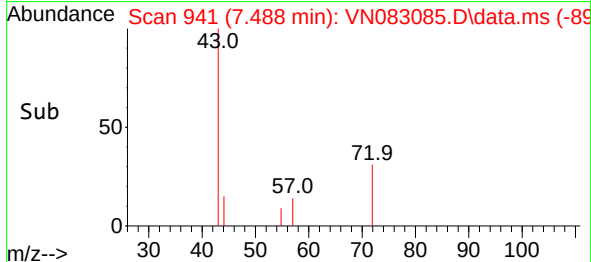
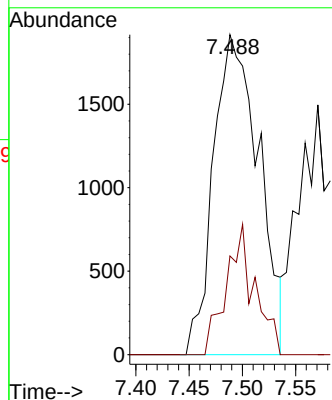
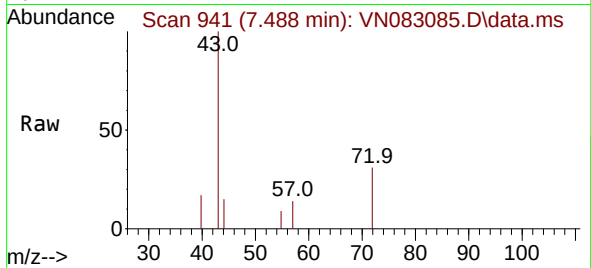




#25
2-Butanone
Concen: 5.028 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

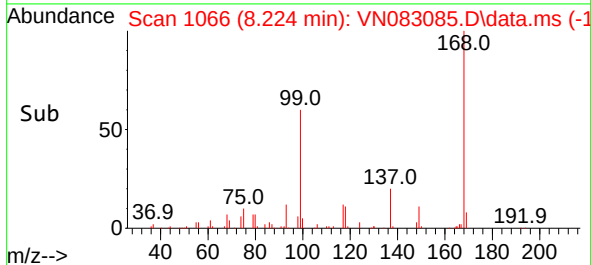
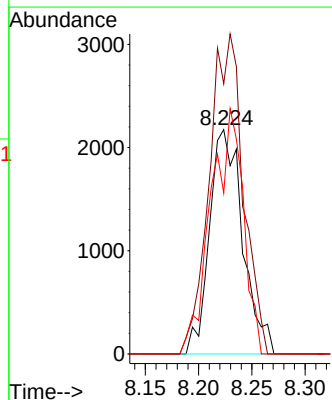
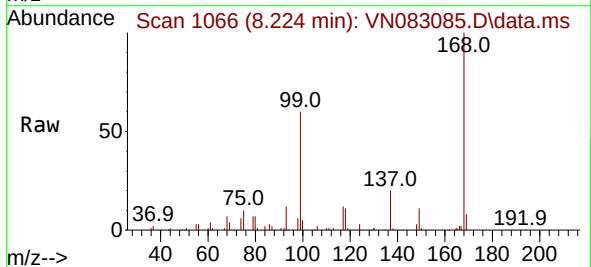
Instrument :
MSVOA_N
ClientSampleId :

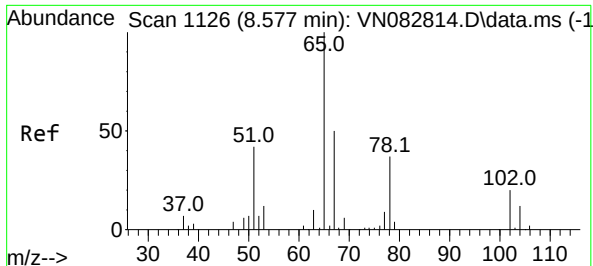
Tgt Ion: 43 Resp: 5685
Ion Ratio Lower Upper
43 100
72 30.8 18.2 27.2#



#31
Cyclohexane
Concen: 1.689 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

Tgt Ion: 56 Resp: 4697
Ion Ratio Lower Upper
56 100
69 120.5 24.5 36.7#
84 71.8 66.0 99.0





#33

1,2-Dichloroethane-d4

Concen: 63.454 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083085.D

Acq: 30 Jul 2024 22:19

Instrument :

MSVOA_N

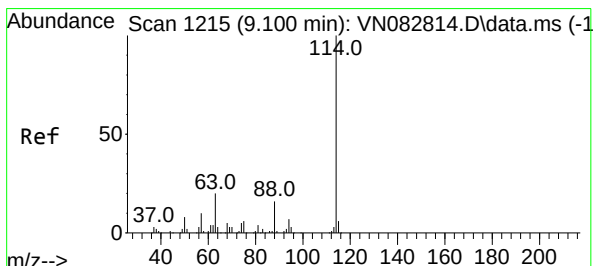
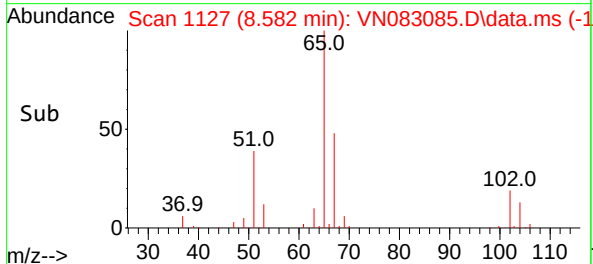
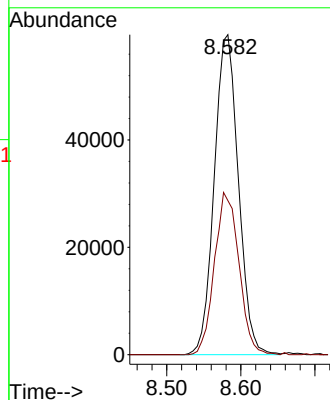
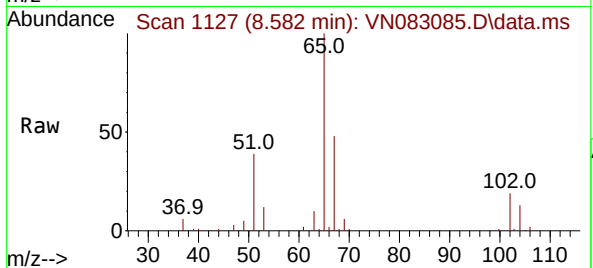
ClientSampleId :

Tgt Ion: 65 Resp: 134965

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN083085.D

Acq: 30 Jul 2024 22:19

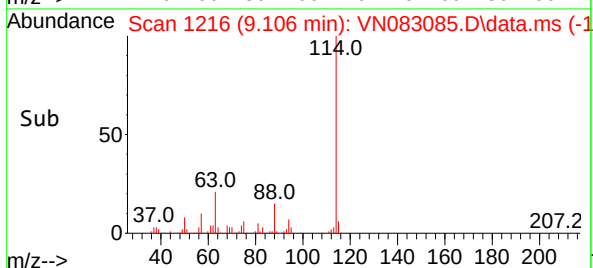
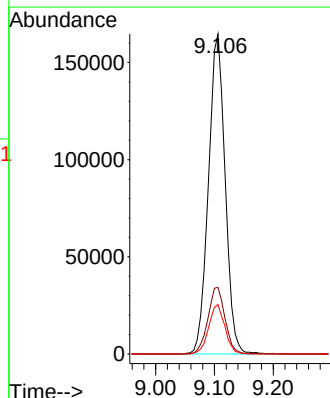
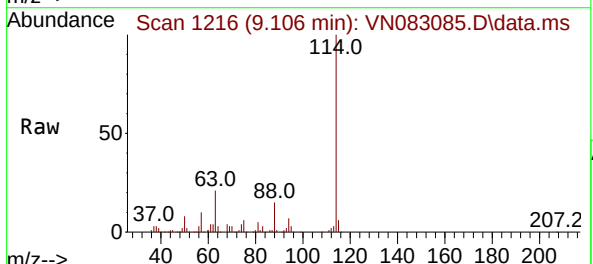
Tgt Ion: 114 Resp: 324858

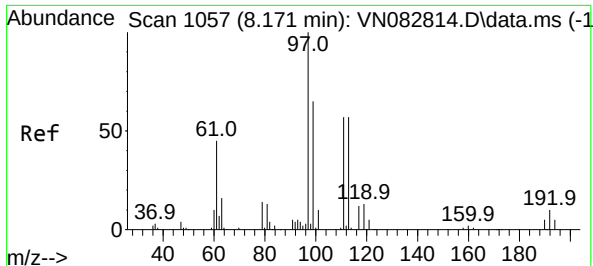
Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.6

88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.341 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

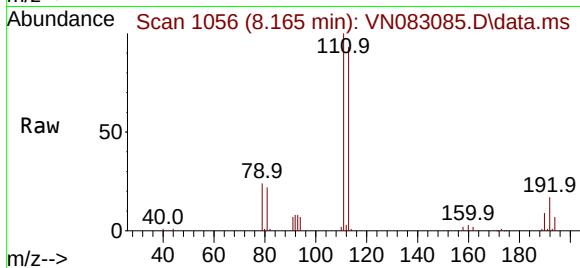
Lab File: VN083085.D

Acq: 30 Jul 2024 22:19

Instrument :

MSVOA_N

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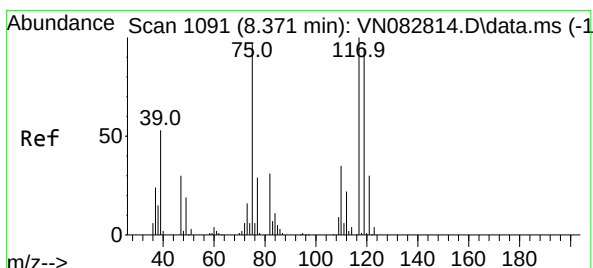
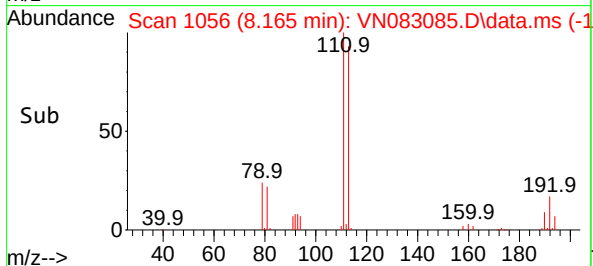
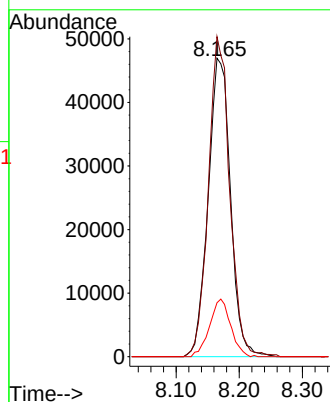
Tgt Ion:113 Resp: 115361

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

192 18.2 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.828 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083085.D

Acq: 30 Jul 2024 22:19

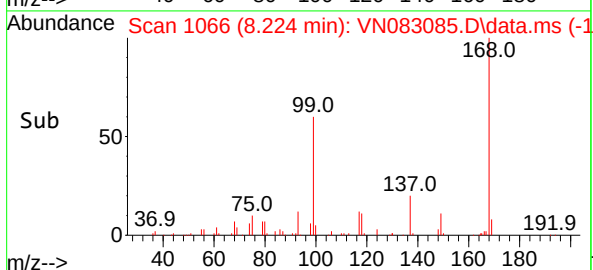
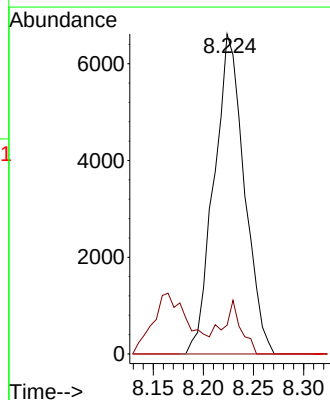
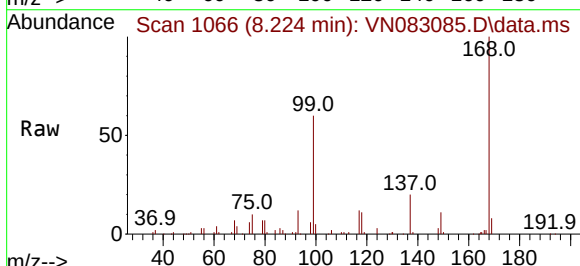
Tgt Ion: 75 Resp: 13877

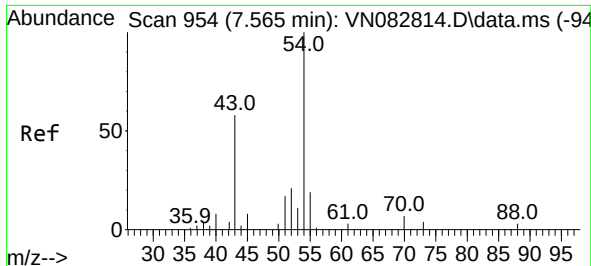
Ion Ratio Lower Upper

75 100

110 10.3 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.261 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

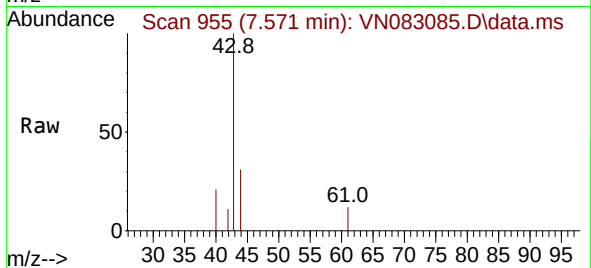
Lab File: VN083085.D

Acq: 30 Jul 2024 22:19

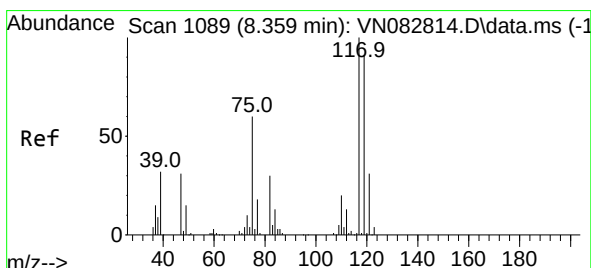
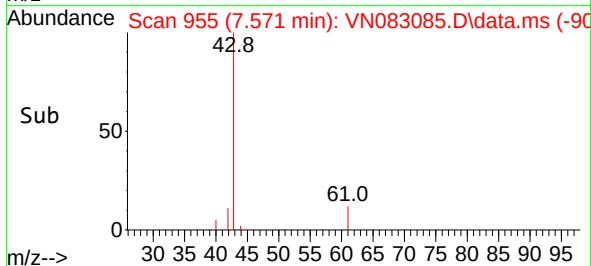
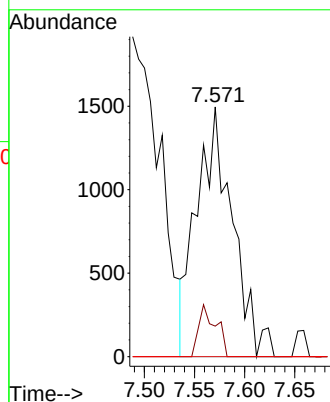
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3691
Ion	Ratio	Lower	Upper
43	100		
61	10.1	9.3	13.9
70	0.0	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 5.005 ug/l

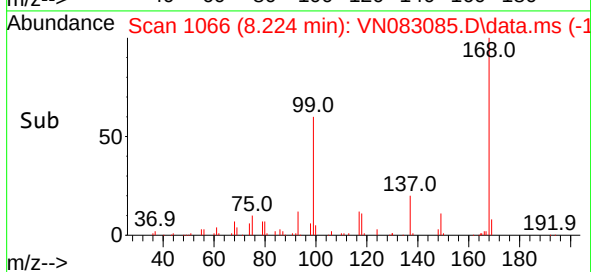
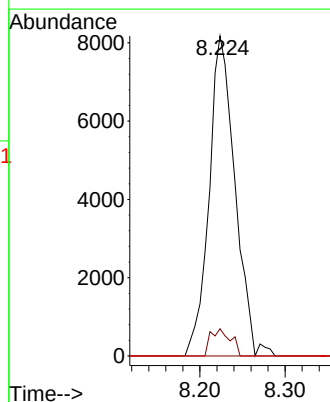
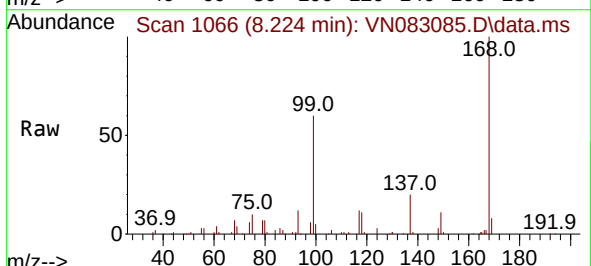
RT: 8.224 min Scan# 1066

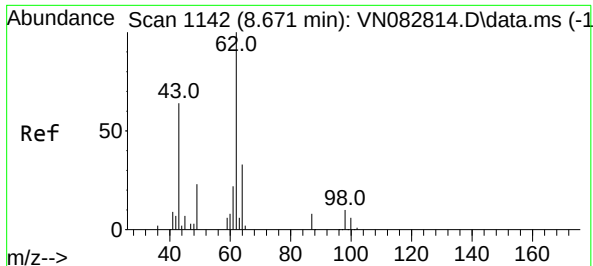
Delta R.T. -0.141 min

Lab File: VN083085.D

Acq: 30 Jul 2024 22:19

Tgt Ion:	117	Resp:	17318
Ion	Ratio	Lower	Upper
117	100		
119	8.5	74.9	112.3#
121	0.0	24.3	36.5#





#42

1,2-Dichloroethane

Concen: 0.311 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN083085.D

Acq: 30 Jul 2024 22:19

Instrument :

MSVOA_N

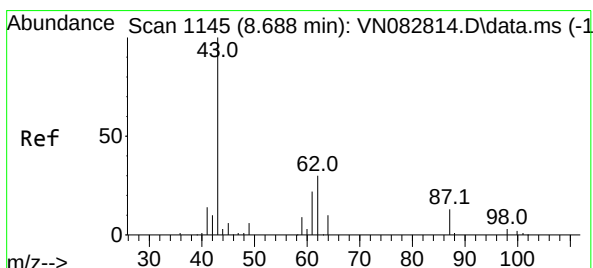
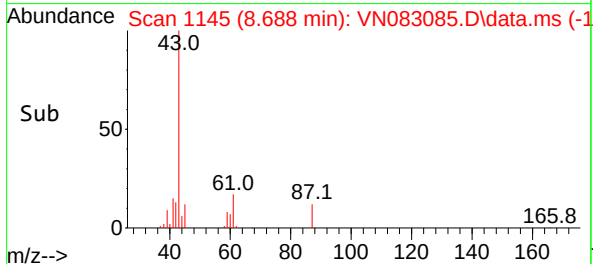
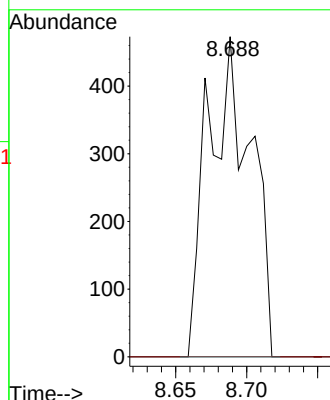
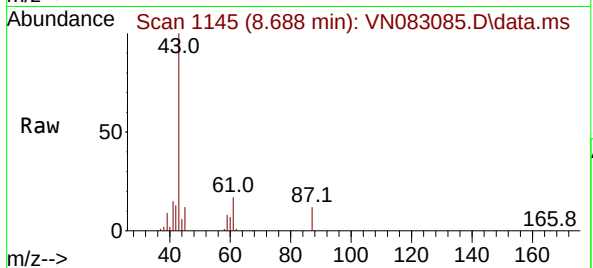
ClientSampleId :

Tgt Ion: 62 Resp: 990

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 32.812 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN083085.D

Acq: 30 Jul 2024 22:19

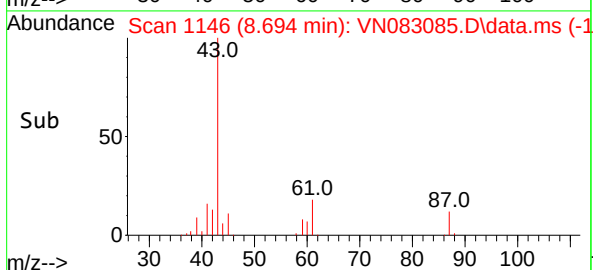
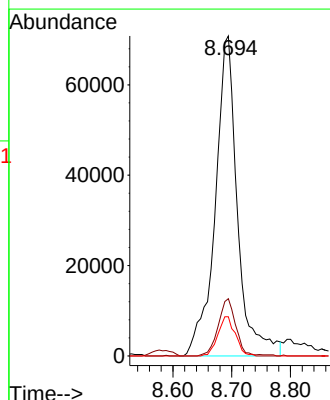
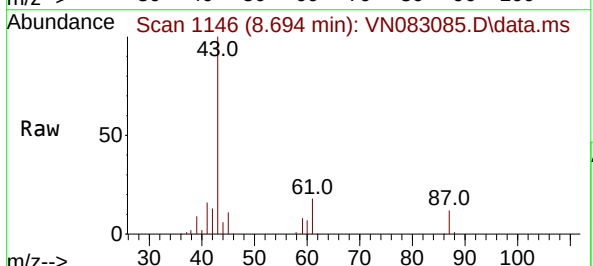
Tgt Ion: 43 Resp: 186658

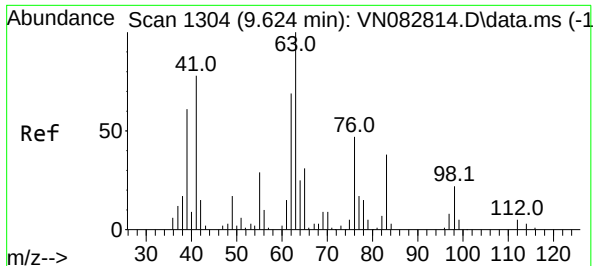
Ion Ratio Lower Upper

43 100

61 14.0 17.8 26.6

87 9.6 8.2 12.2





#45

1,2-Dichloropropane

Concen: 0.881 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN083085.D

Acq: 30 Jul 2024 22:19

Instrument :

MSVOA_N

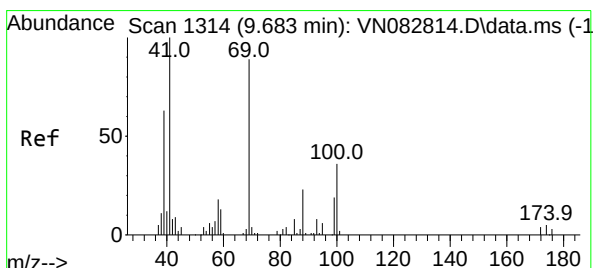
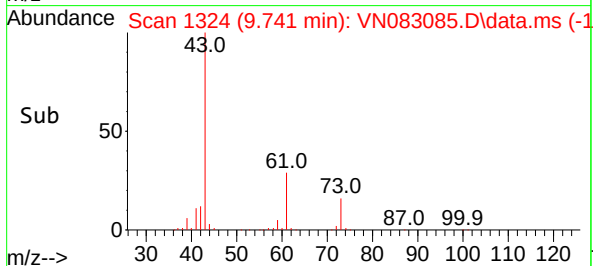
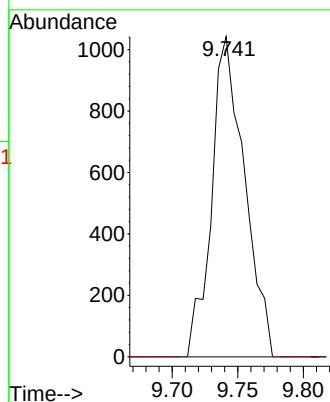
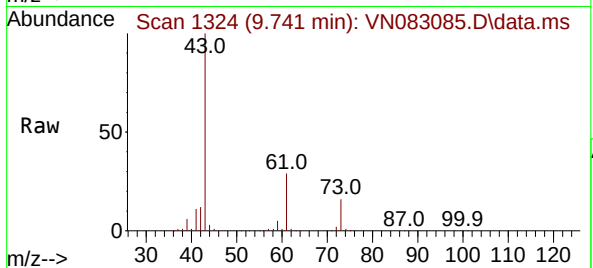
ClientSampleId :

Tgt Ion: 63 Resp: 1819

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 62.543 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN083085.D

Acq: 30 Jul 2024 22:19

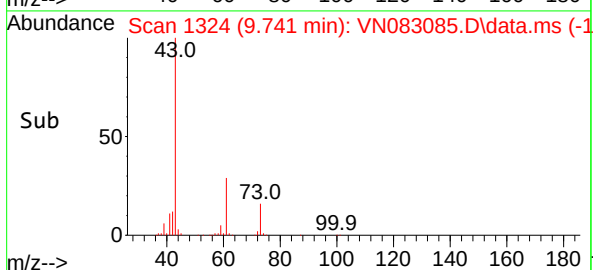
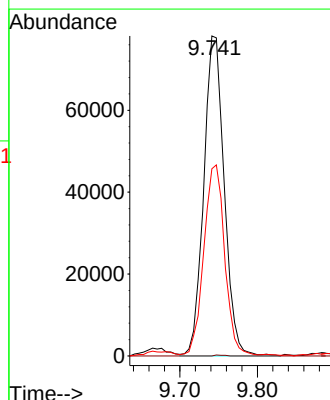
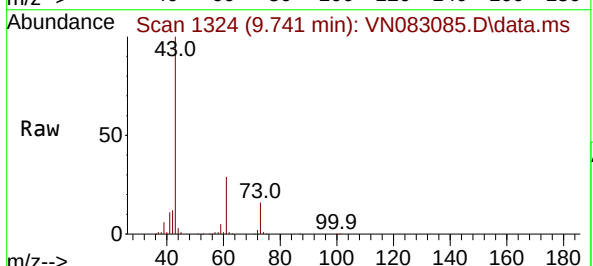
Tgt Ion: 41 Resp: 143494

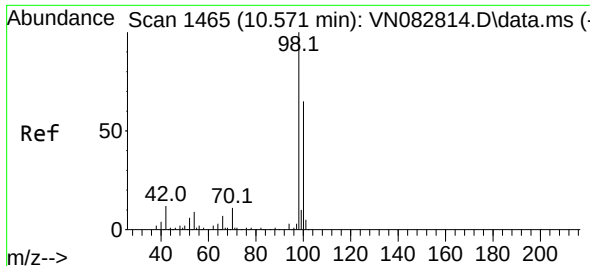
Ion Ratio Lower Upper

41 100

69 0.1 56.3 84.5#

39 60.2 50.3 75.5

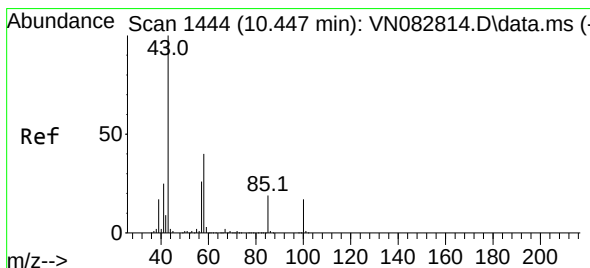
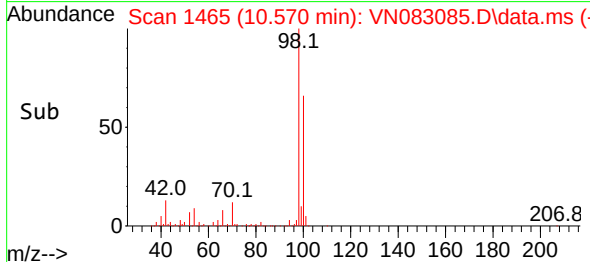
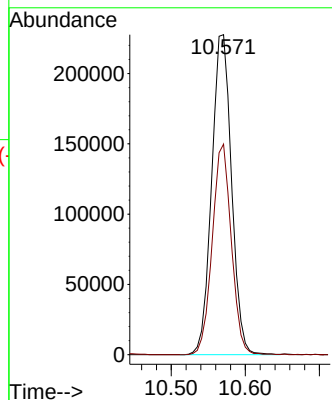
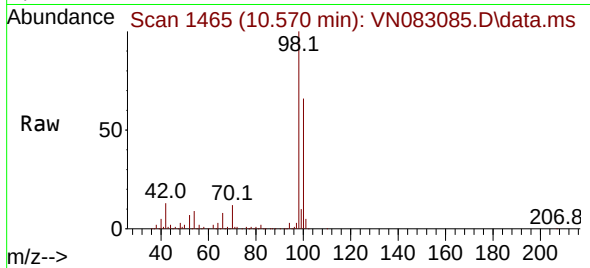




#50
Toluene-d8
Concen: 55.026 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

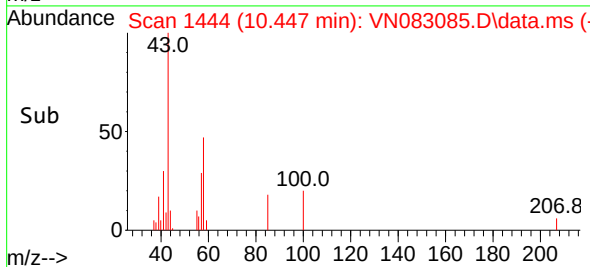
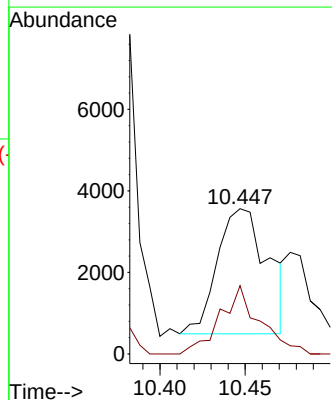
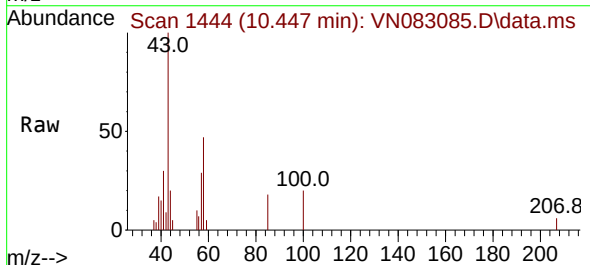
Instrument :
MSVOA_N
ClientSampleId :

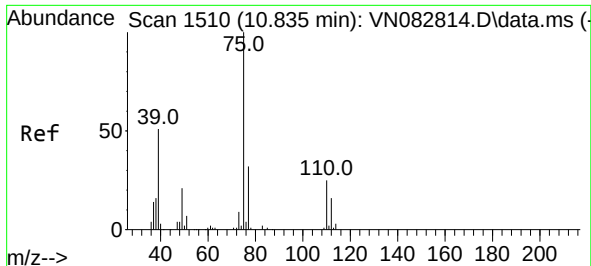
Tgt Ion: 98 Resp: 423652
Ion Ratio Lower Upper
98 100
100 63.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.175 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

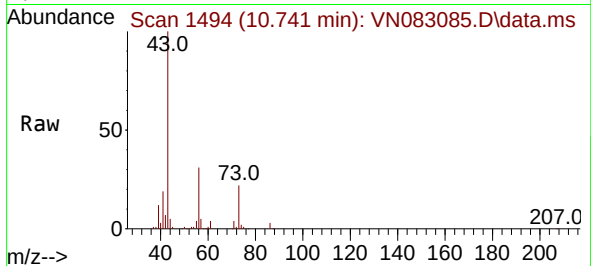
Tgt Ion: 43 Resp: 6308
Ion Ratio Lower Upper
43 100
58 42.9 28.2 42.4#



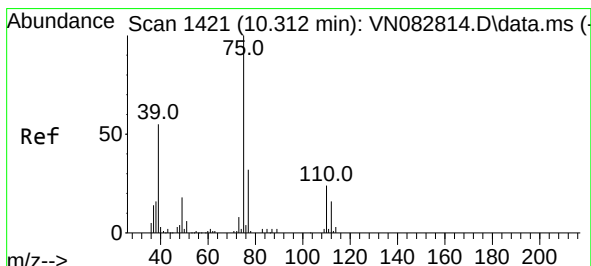
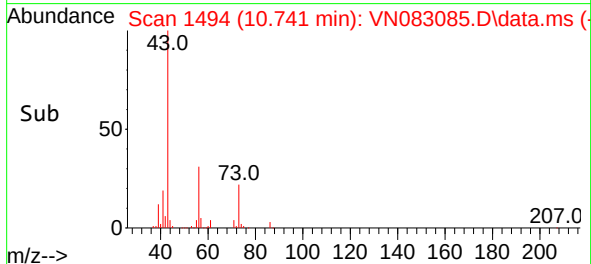
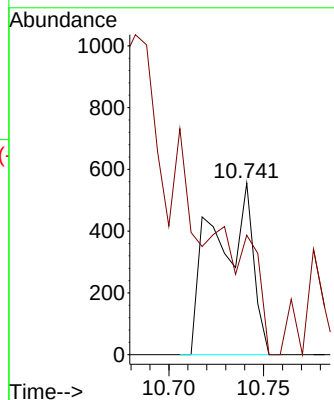


#53
 t-1,3-Dichloropropene
 Concen: 0.226 ug/l
 RT: 10.741 min Scan# 1494
 Delta R.T. -0.094 min
 Lab File: VN083085.D
 Acq: 30 Jul 2024 22:19

Instrument :
 MSVOA_N
 ClientSampleId :

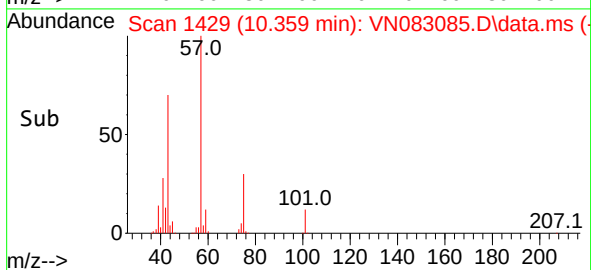
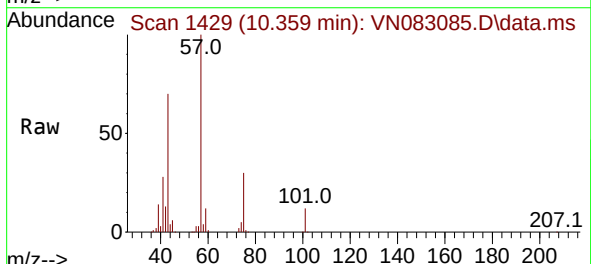
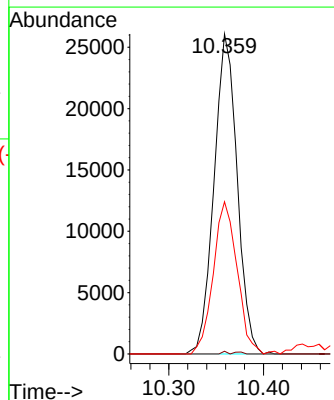


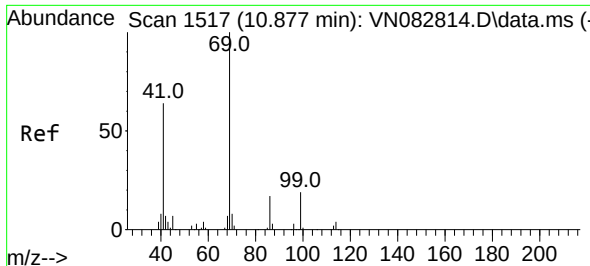
Tgt Ion: 75 Resp: 773
 Ion Ratio Lower Upper
 75 100
 77 69.6 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.204 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN083085.D
 Acq: 30 Jul 2024 22:19

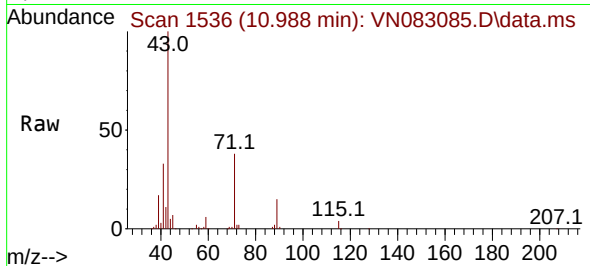
Tgt Ion: 75 Resp: 44213
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.3 36.5#
 39 47.5 50.5 75.7#



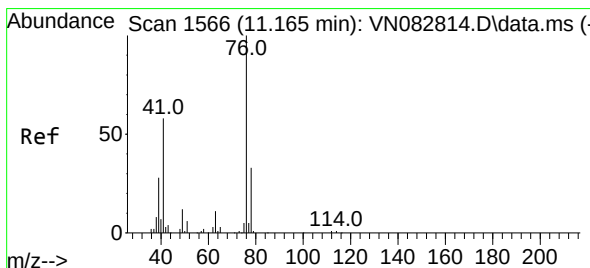
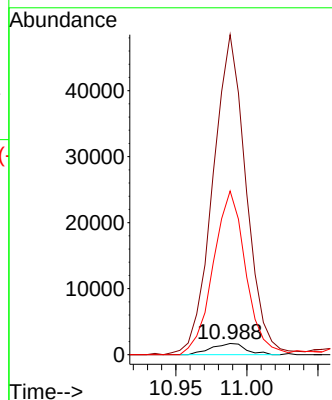
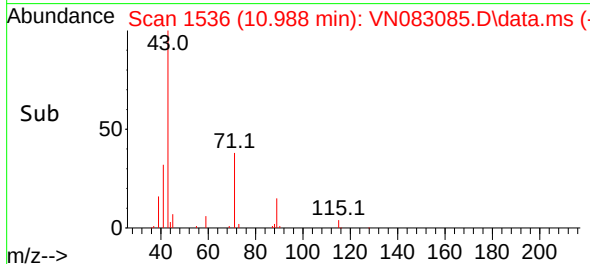


#56
Ethyl methacrylate
Concen: 0.907 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

Instrument :
MSVOA_N
ClientSampleId :

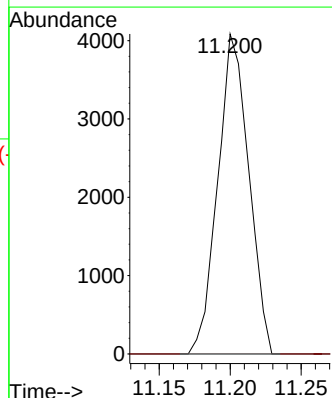
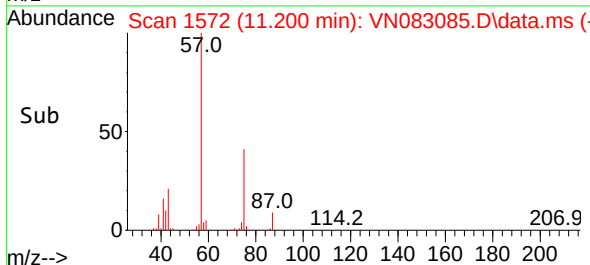
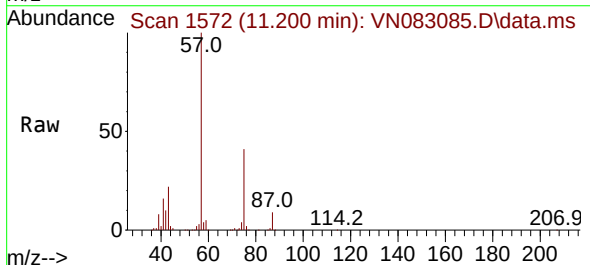


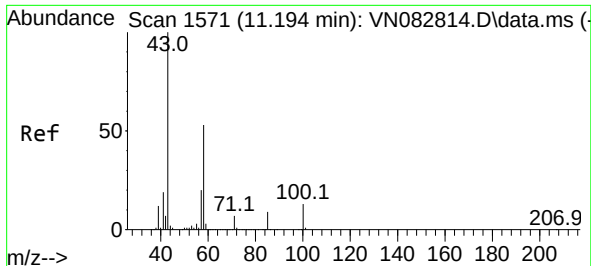
Tgt Ion: 69 Resp: 2864
Ion Ratio Lower Upper
69 100
41 2762.7 63.4 95.2#
39 1376.3 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.724 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

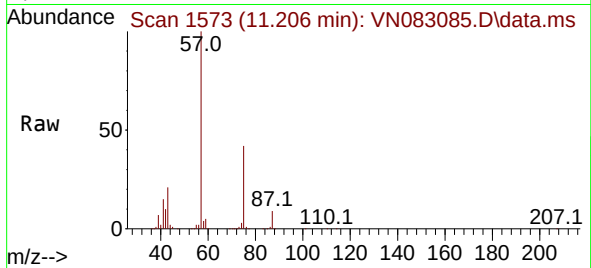
Tgt Ion: 76 Resp: 6198
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



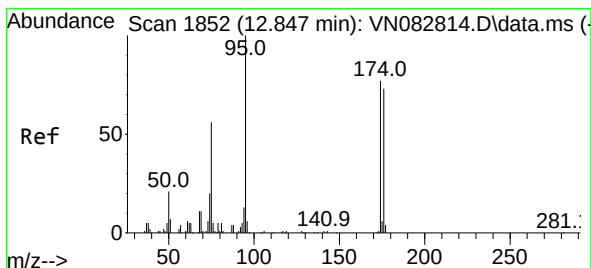
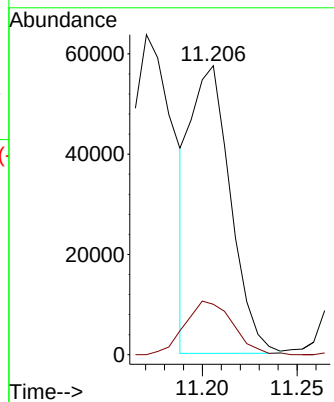
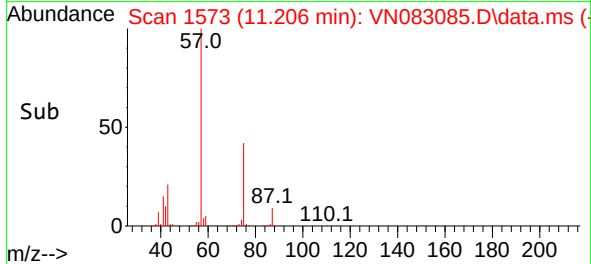


#59
2-Hexanone
Concen: 39.076 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

Instrument :
MSVOA_N
ClientSampleId :

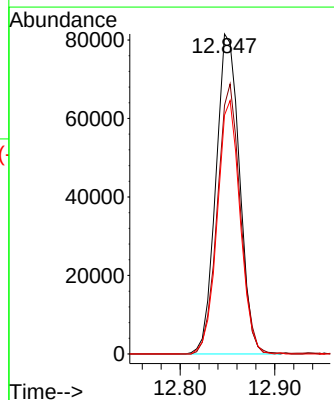
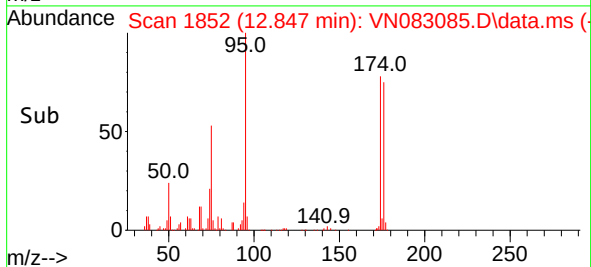
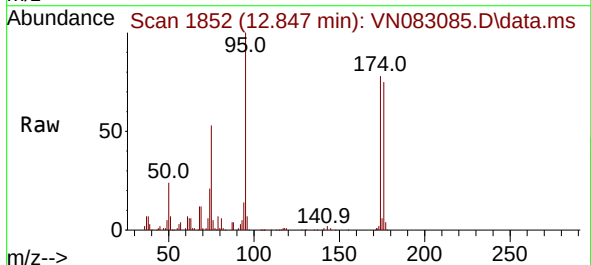


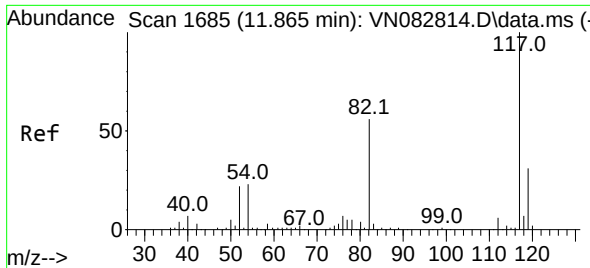
Tgt Ion: 43 Resp: 84274
Ion Ratio Lower Upper
43 100
58 22.4 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 51.158 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

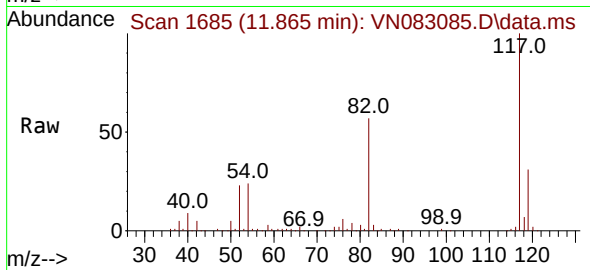
Tgt Ion: 95 Resp: 141483
Ion Ratio Lower Upper
95 100
174 82.1 0.0 159.2
176 76.5 0.0 147.6



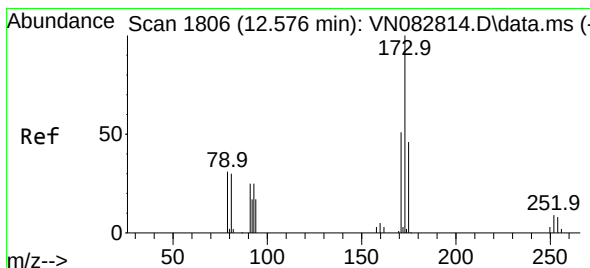
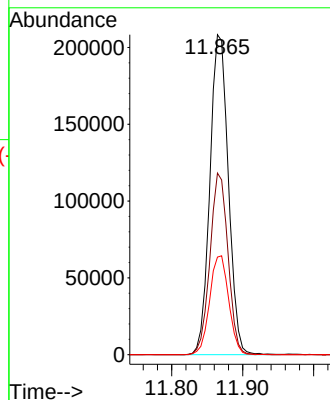
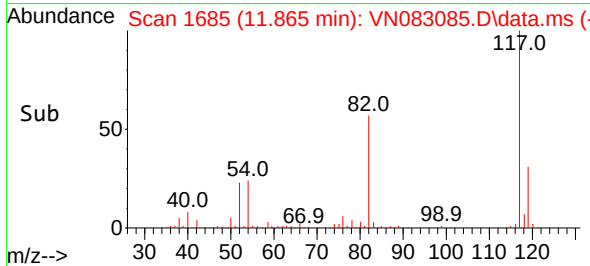


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

Instrument :
MSVOA_N
ClientSampleId :

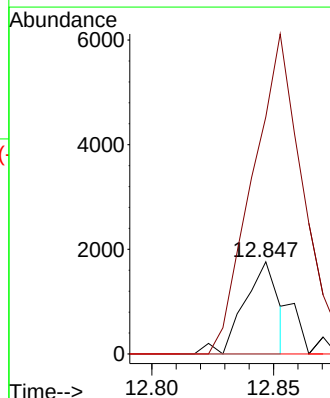
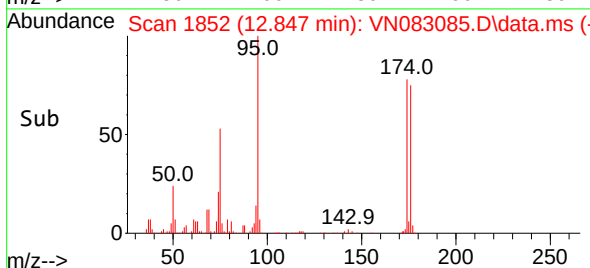
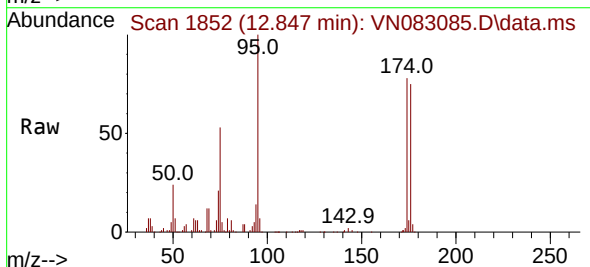


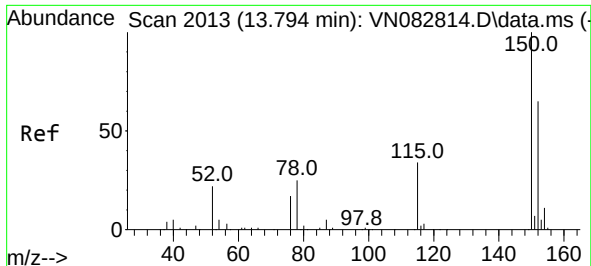
Tgt Ion:117 Resp: 375363
Ion Ratio Lower Upper
117 100
82 56.8 47.5 71.3
119 30.5 25.6 38.4



#71
Bromoform
Concen: 0.761 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

Tgt Ion:173 Resp: 1713
Ion Ratio Lower Upper
173 100
175 426.2 24.0 72.0#
254 0.0 0.0 0.0

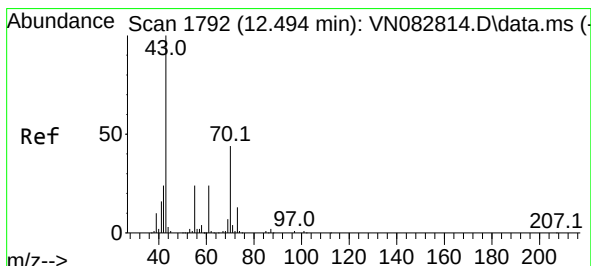
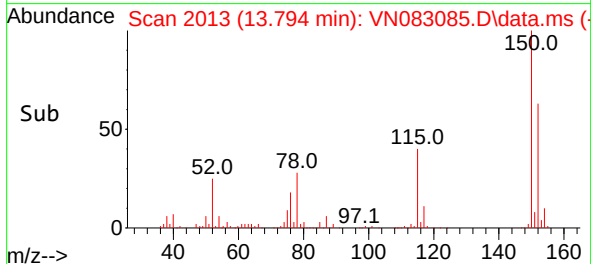
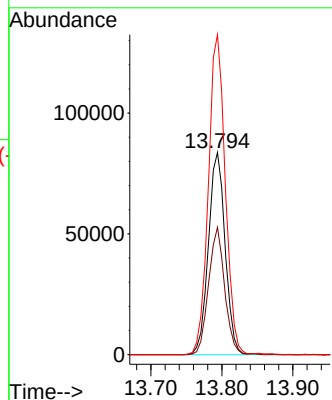
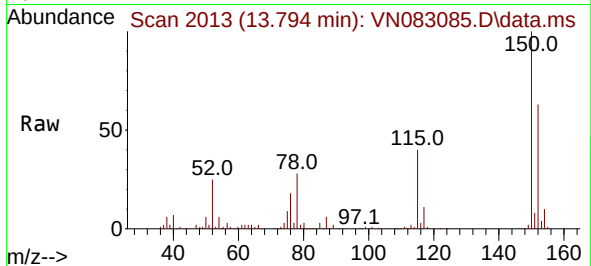




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

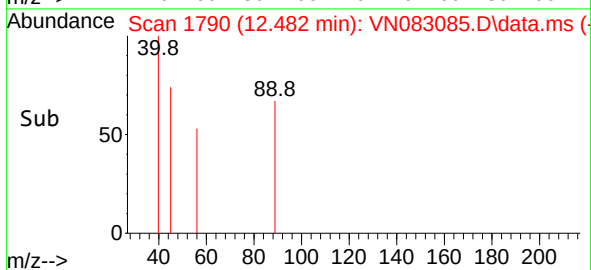
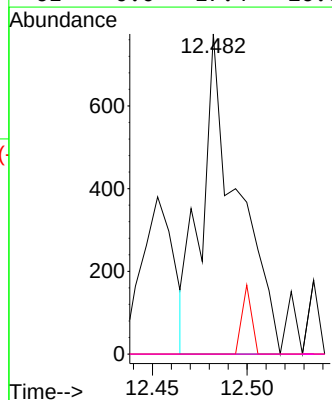
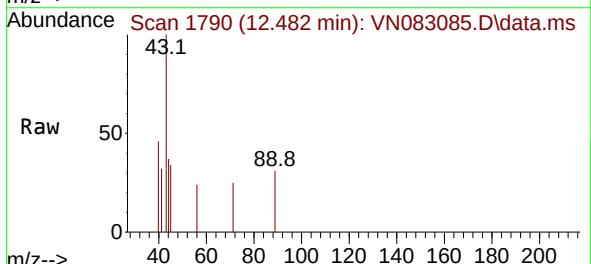
Instrument :
MSVOA_N
ClientSampleId :

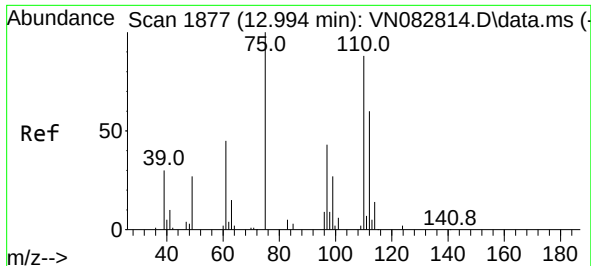
Tgt Ion:152 Resp: 137358
Ion Ratio Lower Upper
152 100
115 60.6 30.6 91.6
150 159.3 0.0 348.6



#74
N-ethyl acetate
Concen: 0.248 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

Tgt Ion: 43 Resp: 1025
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 5.8 18.7 28.1#
61 0.0 17.4 26.0#

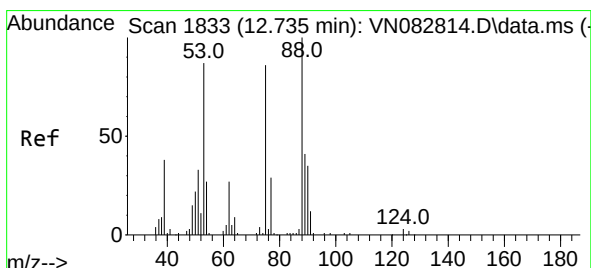
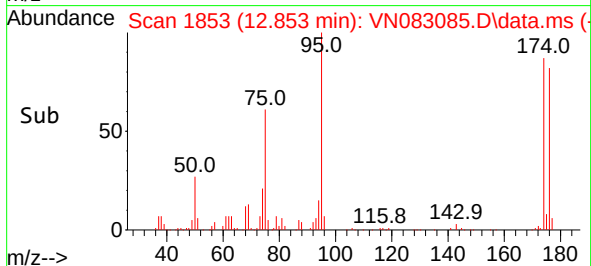
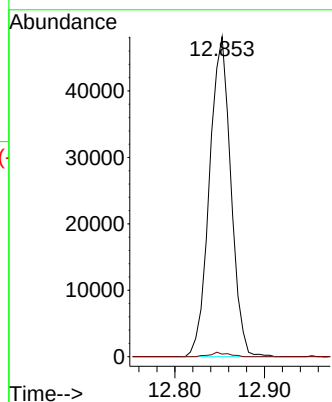
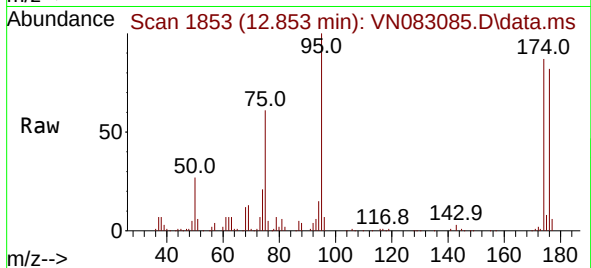




#76
1,2,3-Trichloropropane
Concen: 33.671 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 79738
Ion Ratio Lower Upper
75 100
77 1.1 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.222 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN083085.D
Acq: 30 Jul 2024 22:19

Tgt Ion: 75 Resp: 79738
Ion Ratio Lower Upper
75 100
53 0.4 88.4 132.6#
89 0.0 36.3 54.5#

