

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083986.D
 Acq On : 18 Sep 2024 16:39
 Operator : JC\MD
 Sample : PB163447ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

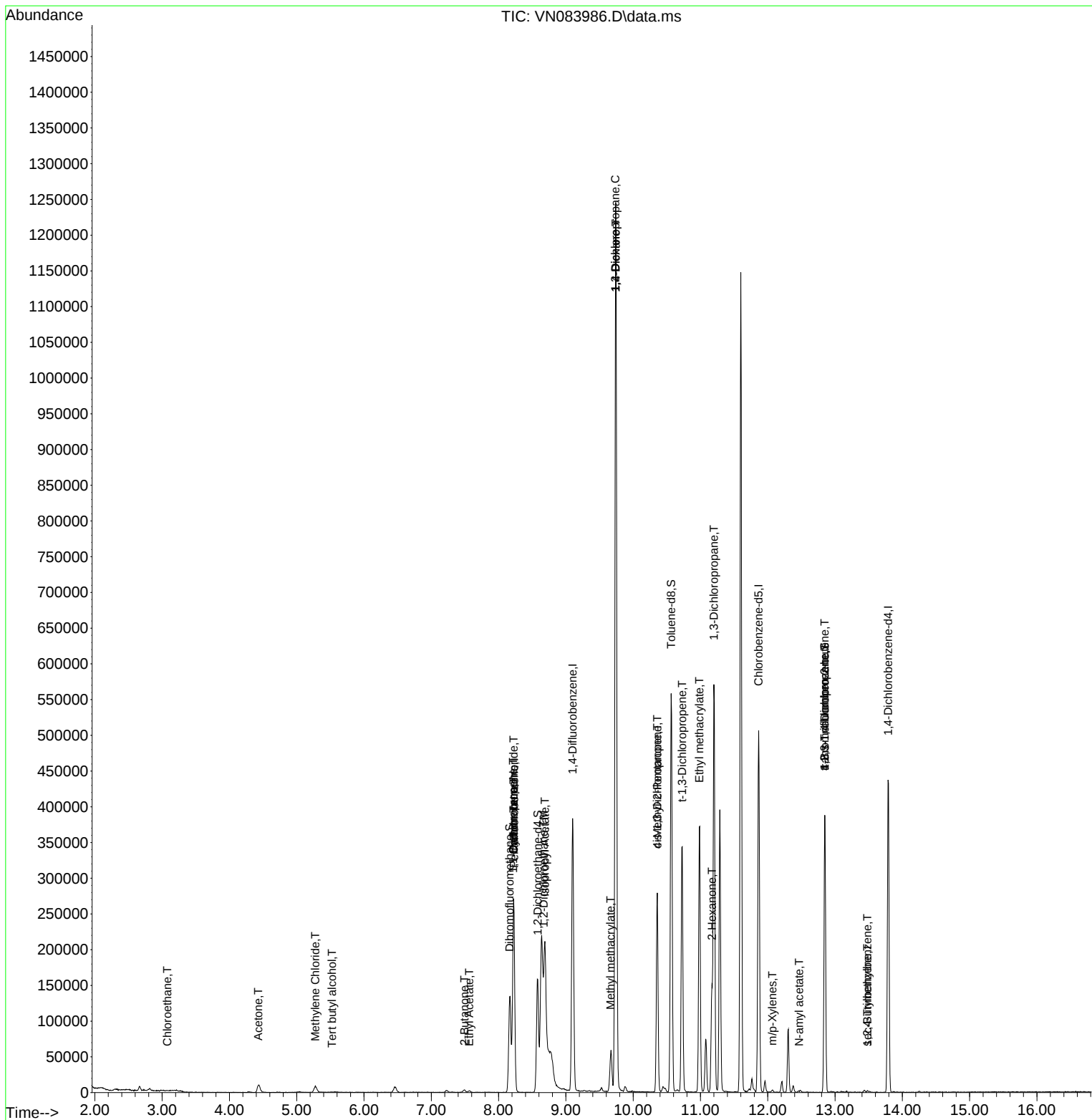
Quant Time: Sep 19 01:36:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

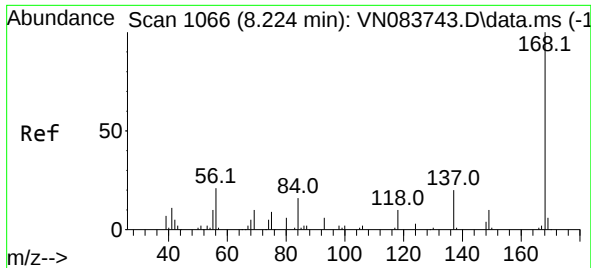
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	178299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	312013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	136283	50.691	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.380%			
35) Dibromofluoromethane	8.165	113	96651	48.387	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.780%			
50) Toluene-d8	10.565	98	374694	54.261	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.520%			
62) 4-Bromofluorobenzene	12.847	95	132356	46.457	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.920%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	88	Below Cal	#	41
6) Chloroethane	3.077	64	453	0.285	ug/l #	45
11) Tert butyl alcohol	5.524	59	411	1.142	ug/l #	71
16) Acetone	4.430	43	21416	19.871	ug/l #	89
18) Methyl Acetate	5.030	43	1789	Below Cal	#	58
20) Methylene Chloride	5.277	84	6721	3.047	ug/l	93
25) 2-Butanone	7.494	43	6239	4.404	ug/l	99
31) Cyclohexane	8.224	56	4930	1.269	ug/l #	13
36) 1,1-Dichloropropene	8.218	75	17207	5.723	ug/l #	51
37) Ethyl Acetate	7.565	43	3637	1.333	ug/l #	80
38) Carbon Tetrachloride	8.224	117	20750	6.084	ug/l #	16
42) 1,2-Dichloroethane	8.671	62	1057	0.313	ug/l #	77
43) Isopropyl Acetate	8.688	43	198882	40.216	ug/l #	86
45) 1,2-Dichloropropane	9.735	63	1437	0.657	ug/l #	42
48) Methyl methacrylate	9.665	41	4519	1.926	ug/l #	44
49) 1,4-Dioxane	9.741	88	63	1.632	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	108224	40.202	ug/l #	45
53) t-1,3-Dichloropropene	10.729	75	925	0.275	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	48263	13.672	ug/l #	62
56) Ethyl methacrylate	10.982	69	829	0.261	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5579	1.571	ug/l #	42
59) 2-Hexanone	11.170	43	120248	60.386	ug/l #	24
68) m/p-Xylenes	12.070	106	1067	0.274	ug/l	90
74) N-amyl acetate	12.464	43	2442	0.658	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	76224	33.587	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76224	87.966	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.482	105	2078	0.282	ug/l	91
85) sec-Butylbenzene	13.482	105	2078	0.244	ug/l #	57

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

Quant Time: Sep 19 01:36:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

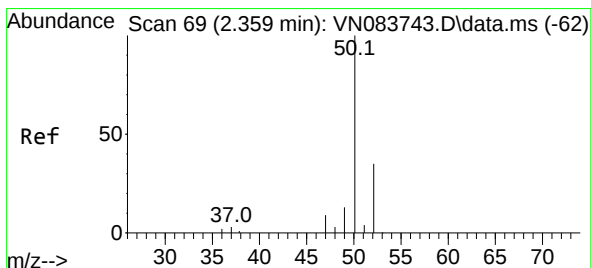
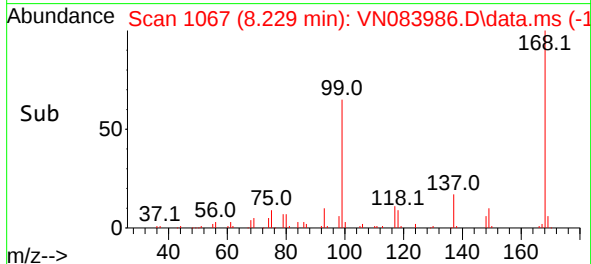
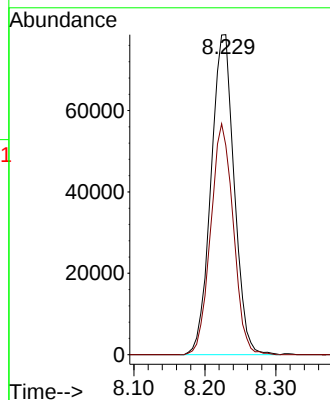
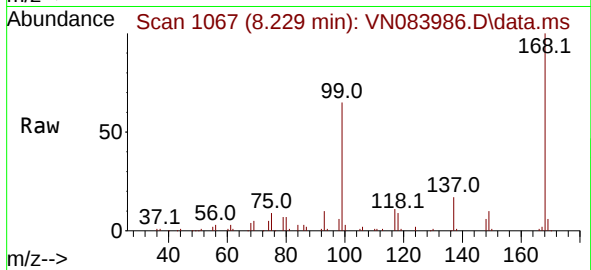




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

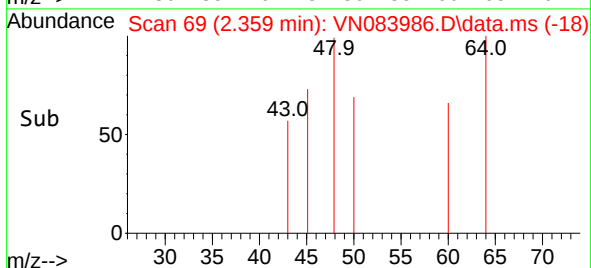
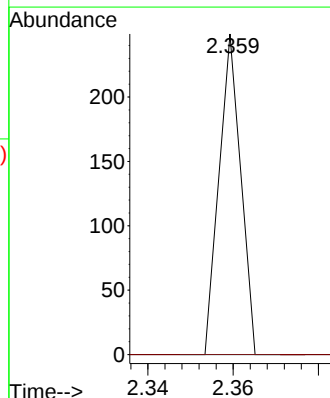
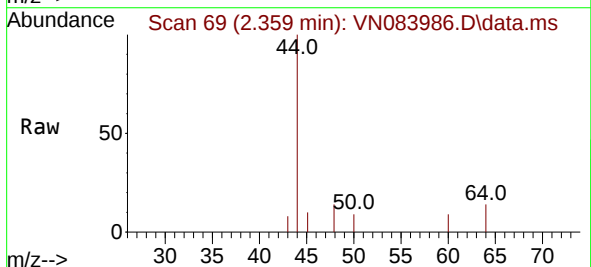
Instrument :
MSVOA_N
ClientSampleId :

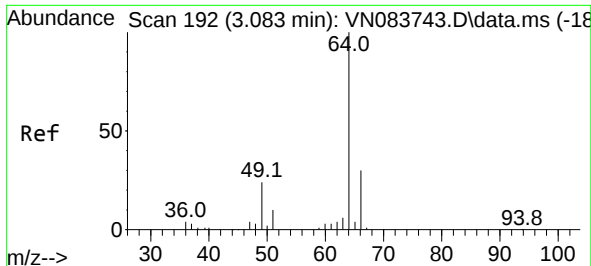
Tgt Ion:168 Resp: 178299
Ion Ratio Lower Upper
168 100
99 65.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

Tgt Ion: 50 Resp: 88
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

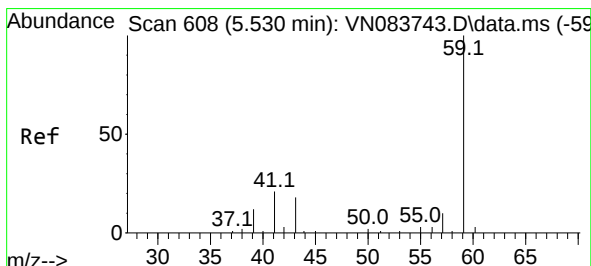
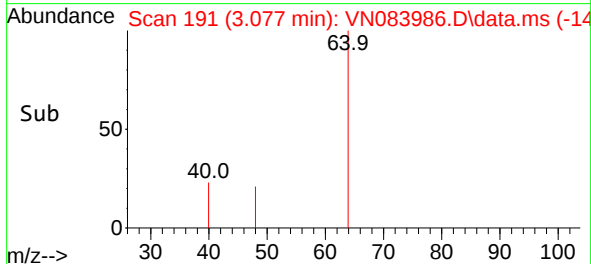
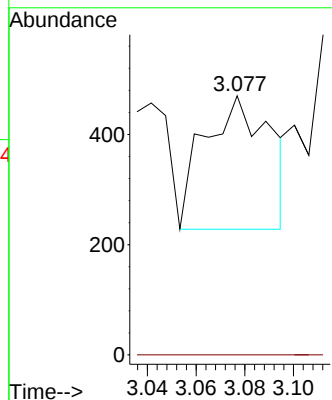
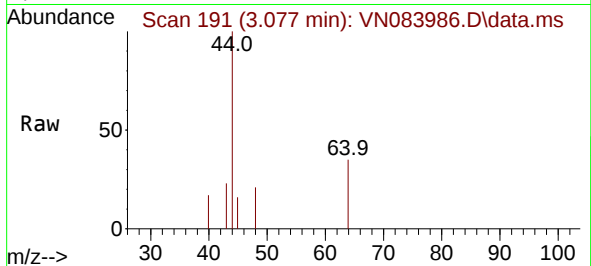




#6
Chloroethane
Concen: 0.285 ug/l
RT: 3.077 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

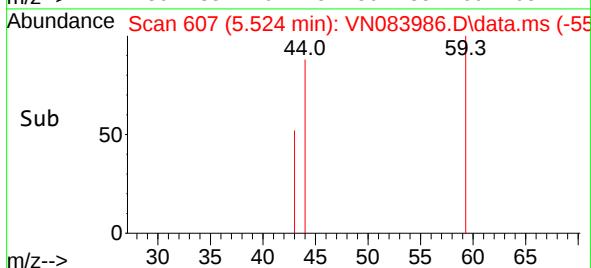
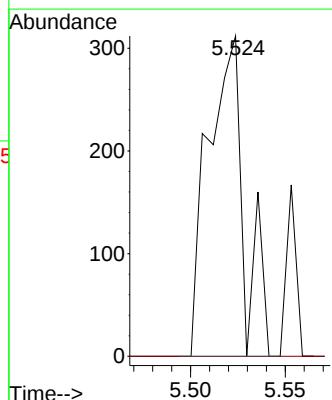
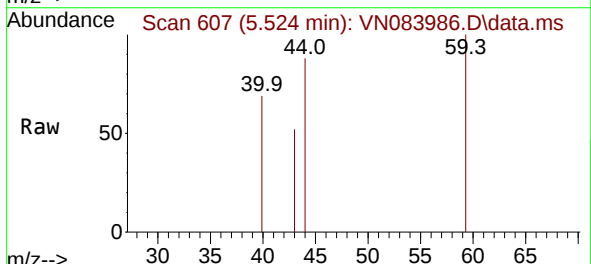
Instrument :
MSVOA_N
ClientSampleId :

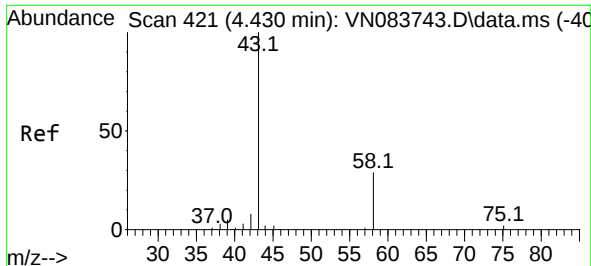
Tgt Ion: 64 Resp: 453
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#11
Tert butyl alcohol
Concen: 1.142 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

Tgt Ion: 59 Resp: 411
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

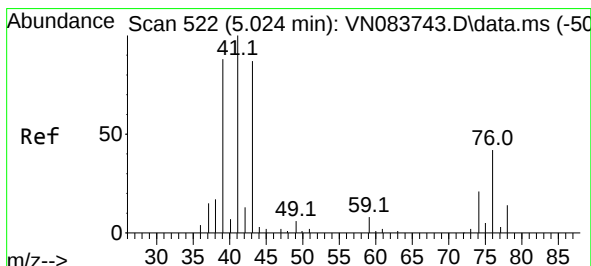
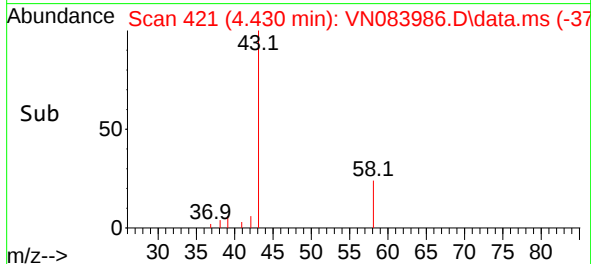
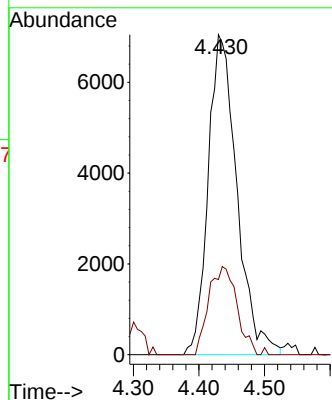
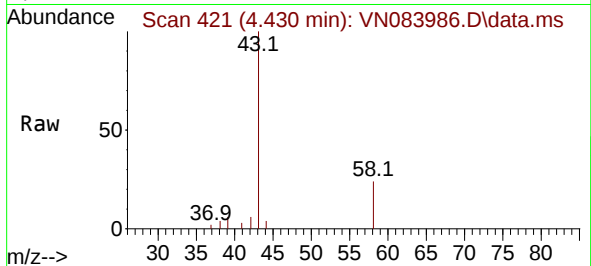




#16
Acetone
Concen: 19.871 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

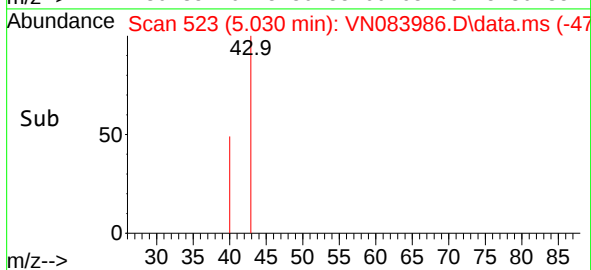
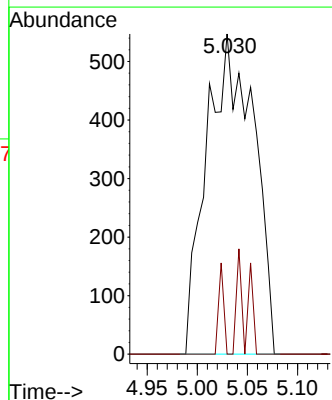
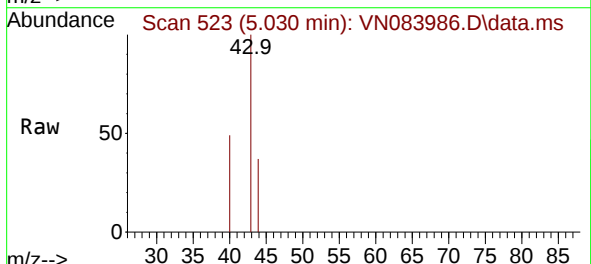
Instrument :
MSVOA_N
ClientSampleId :

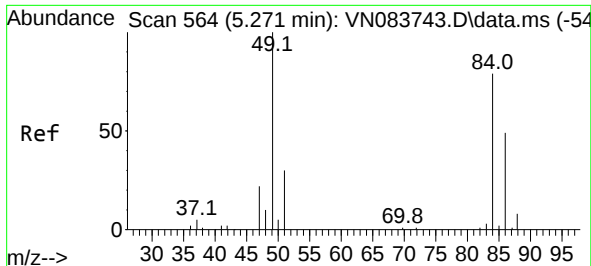
Tgt Ion: 43 Resp: 21416
Ion Ratio Lower Upper
43 100
58 23.5 23.7 35.5#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

Tgt Ion: 43 Resp: 1789
Ion Ratio Lower Upper
43 100
74 3.1 19.0 28.4#





#20

Methylene Chloride

Concen: 3.047 ug/l

RT: 5.277 min Scan# 5

Delta R.T. 0.006 min

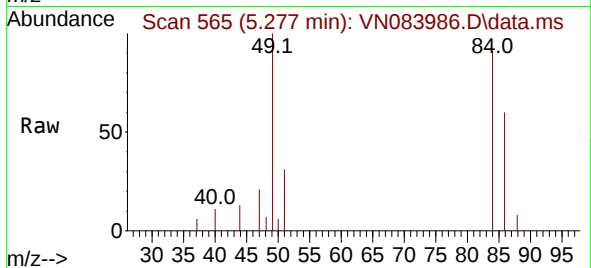
Lab File: VN083986.D

Acq: 18 Sep 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 6721

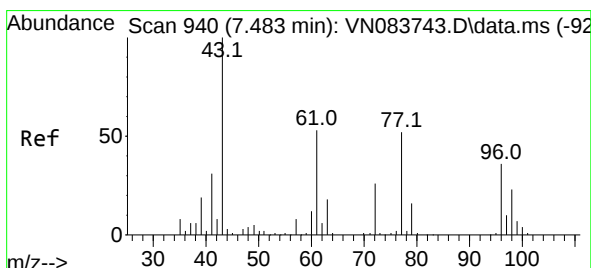
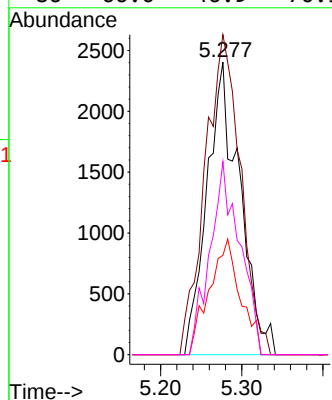
Ion Ratio Lower Upper

84 100

49 109.4 93.4 140.0

51 34.0 29.2 43.8

86 66.0 46.9 70.3



#25

2-Butanone

Concen: 4.404 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN083986.D

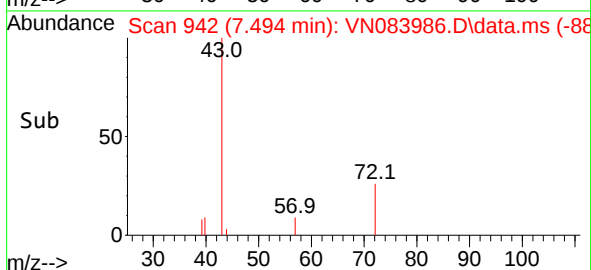
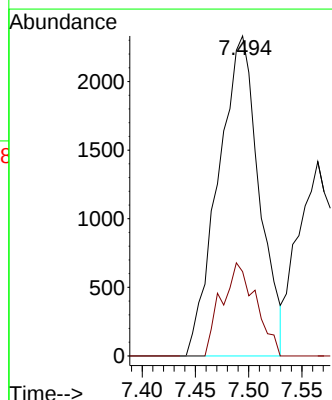
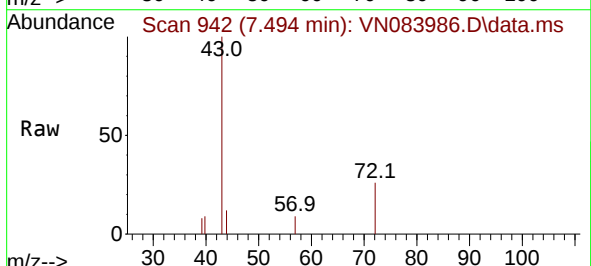
Acq: 18 Sep 2024 16:39

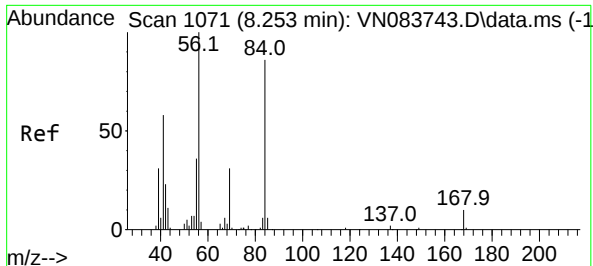
Tgt Ion: 43 Resp: 6239

Ion Ratio Lower Upper

43 100

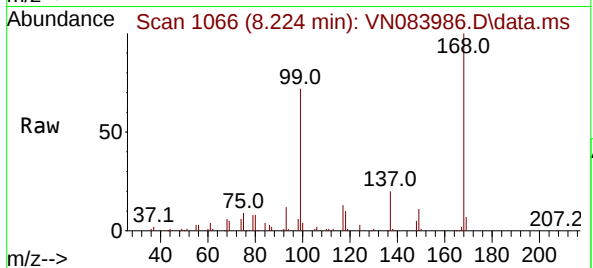
72 26.4 20.8 31.2



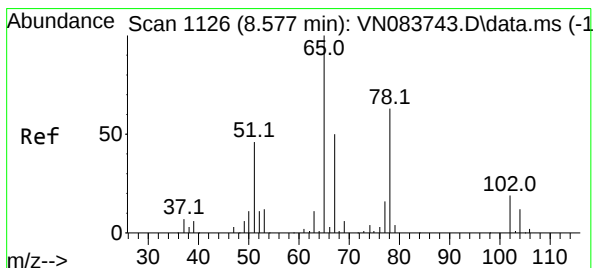
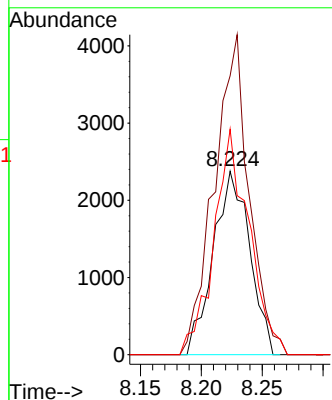
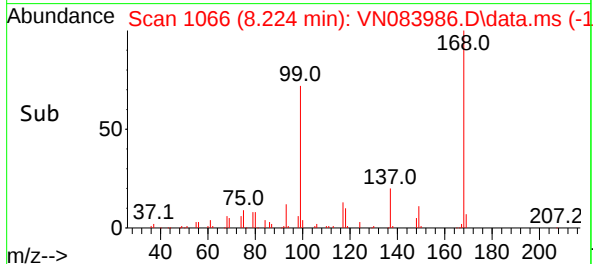


#31
Cyclohexane
Concen: 1.269 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

Instrument :
MSVOA_N
ClientSampleId :

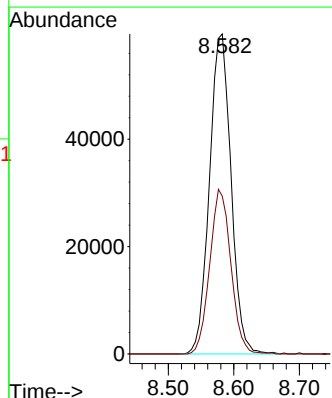
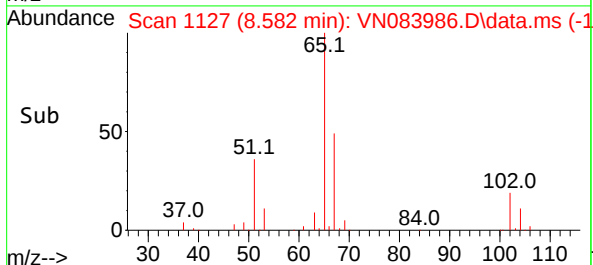
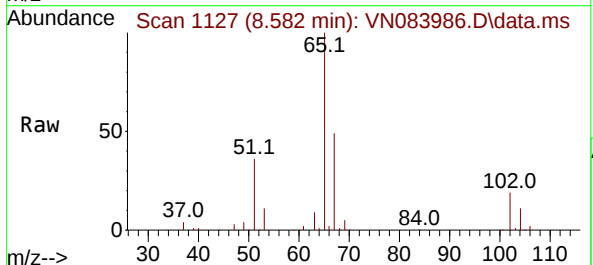


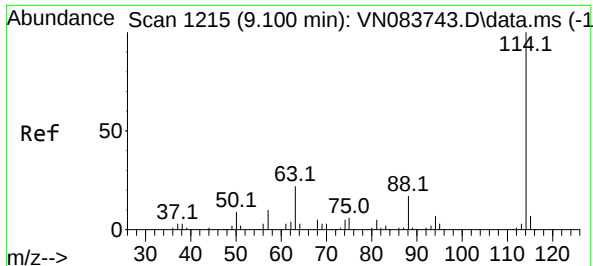
Tgt Ion: 56 Resp: 4930
Ion Ratio Lower Upper
56 100
69 152.1 26.9 40.3#
84 122.9 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 50.691 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

Tgt Ion: 65 Resp: 136283
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083986.D

Acq: 18 Sep 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :

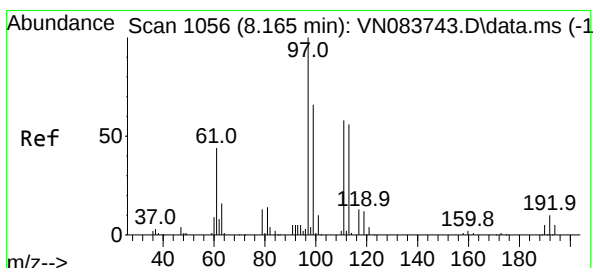
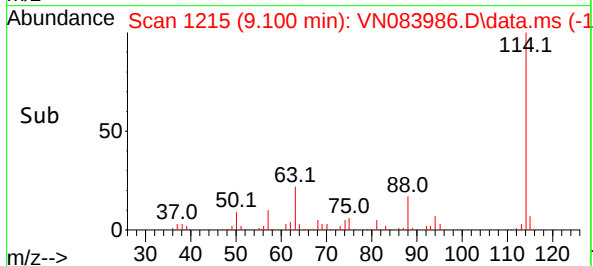
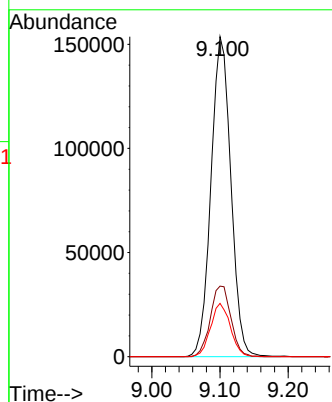
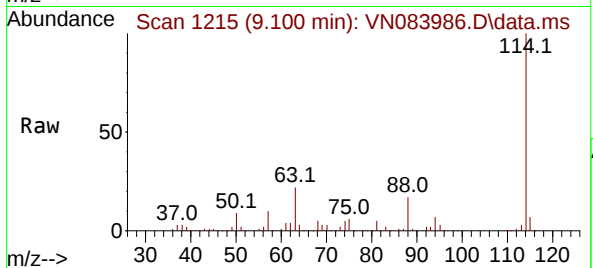
Tgt Ion:114 Resp: 312013

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.4

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.387 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083986.D

Acq: 18 Sep 2024 16:39

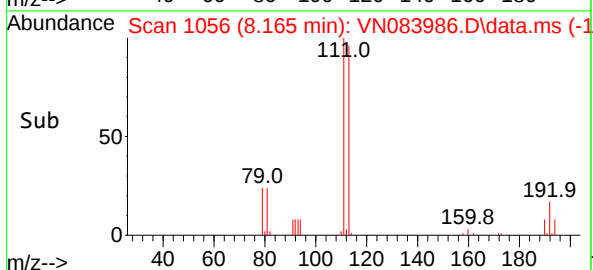
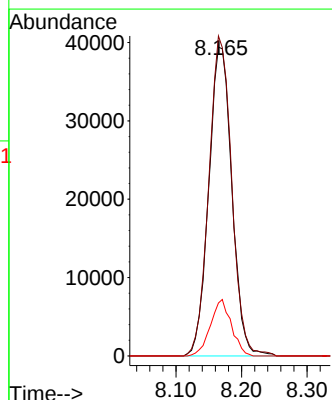
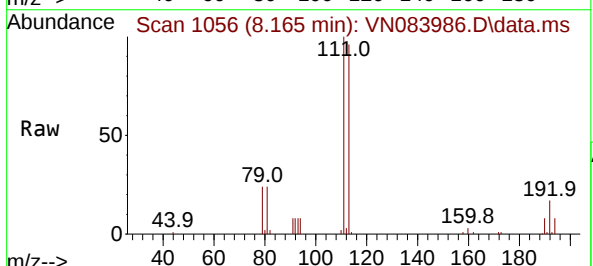
Tgt Ion:113 Resp: 96651

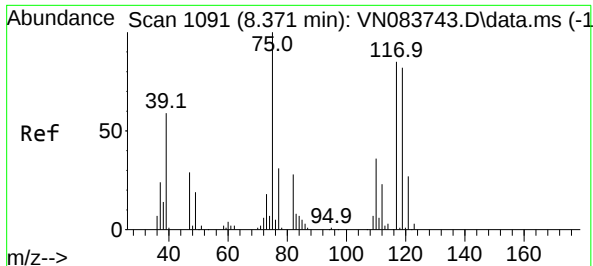
Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 16.6 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.723 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.153 min

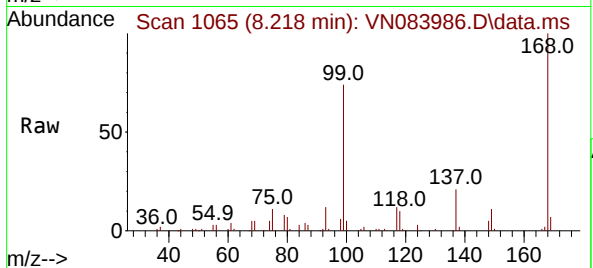
Lab File: VN083986.D

Acq: 18 Sep 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :



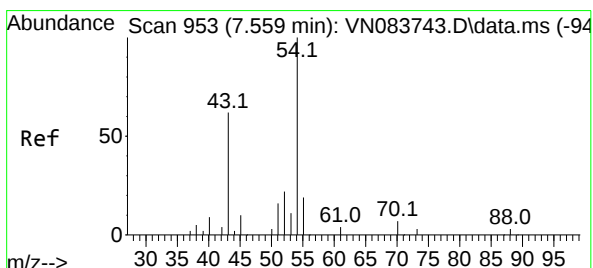
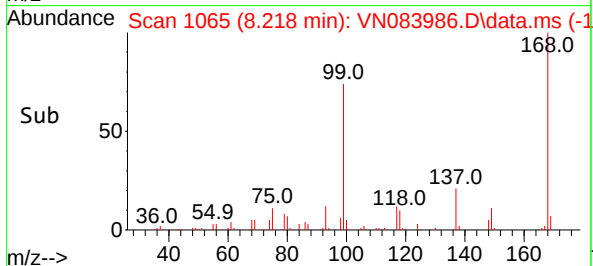
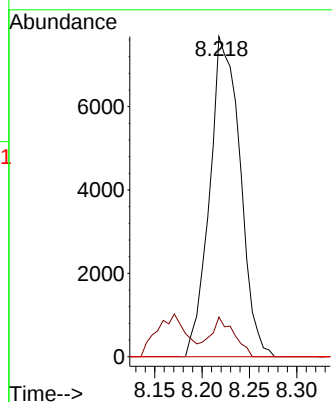
Tgt Ion: 75 Resp: 17207

Ion Ratio Lower Upper

75 100

110 9.8 16.7 50.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 1.333 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN083986.D

Acq: 18 Sep 2024 16:39

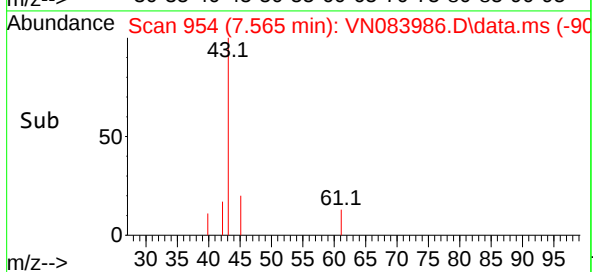
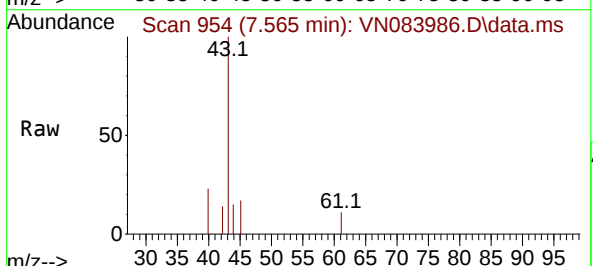
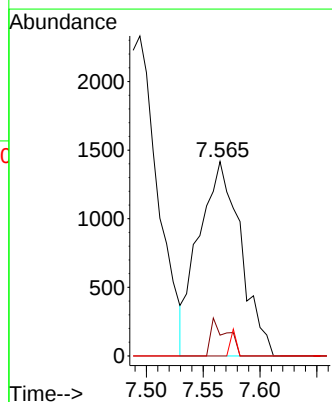
Tgt Ion: 43 Resp: 3637

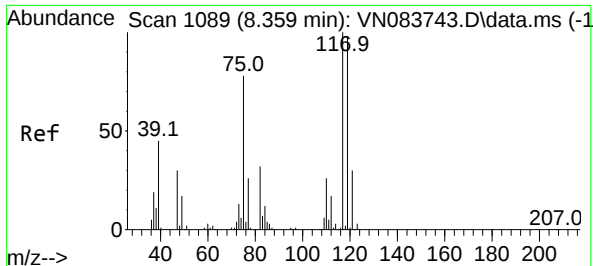
Ion Ratio Lower Upper

43 100

61 7.4 11.1 16.7#

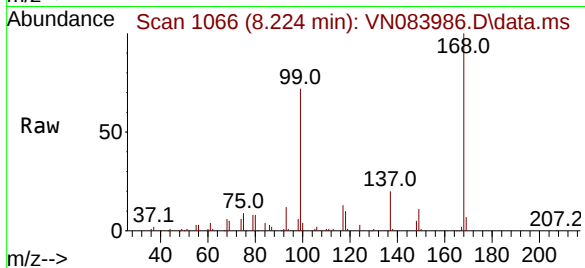
70 1.9 8.8 13.2#



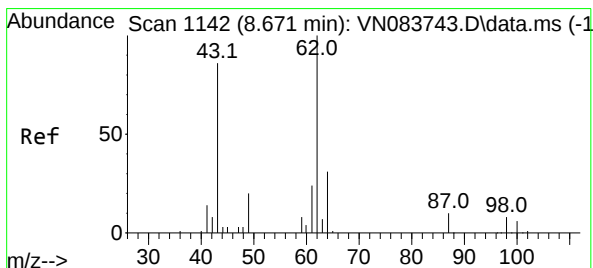
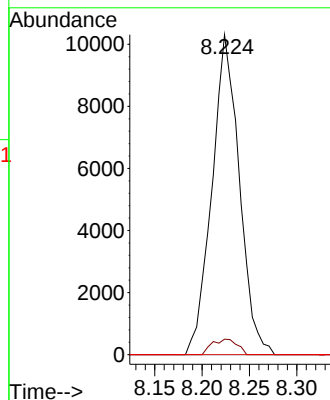
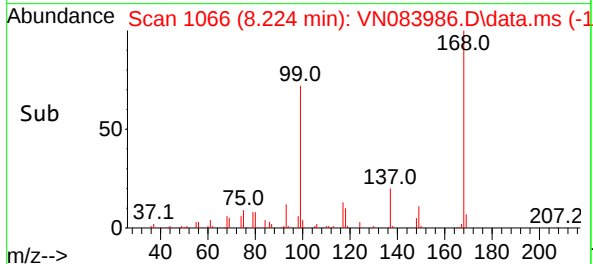


#38
Carbon Tetrachloride
Concen: 6.084 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

Instrument :
MSVOA_N
ClientSampleId :

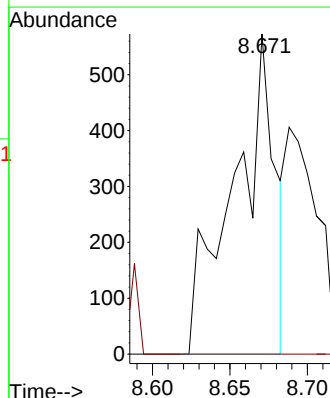
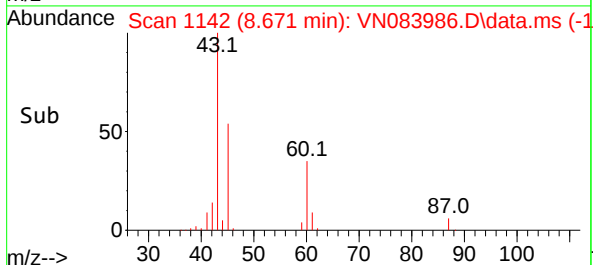
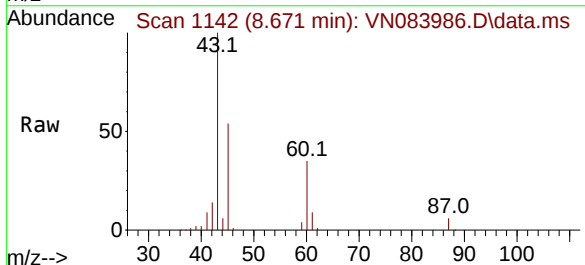


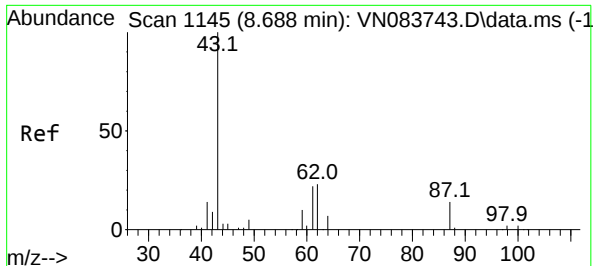
Tgt Ion:117 Resp: 20750
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.313 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

Tgt Ion: 62 Resp: 1057
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6





#43

Isopropyl Acetate

Concen: 40.216 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN083986.D

Acq: 18 Sep 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :

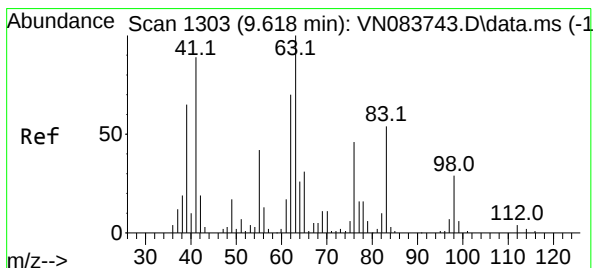
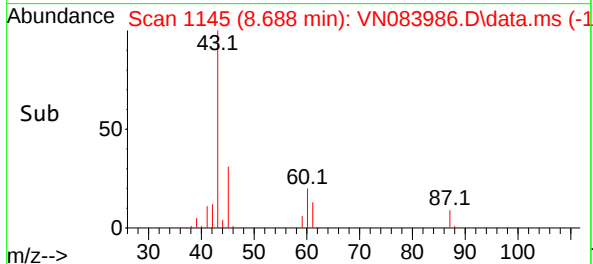
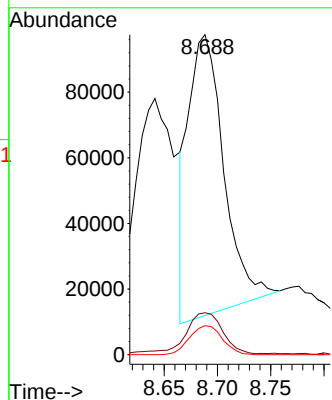
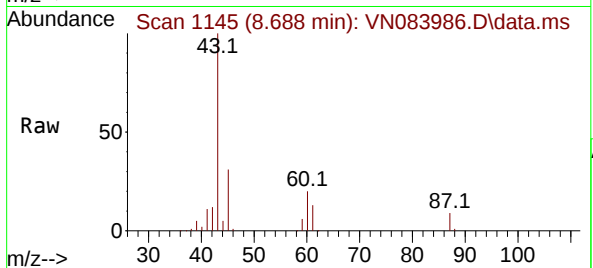
Tgt Ion: 43 Resp: 198882

Ion Ratio Lower Upper

43 100

61 15.4 19.4 29.0#

87 9.5 9.8 14.6#



#45

1,2-Dichloropropane

Concen: 0.657 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN083986.D

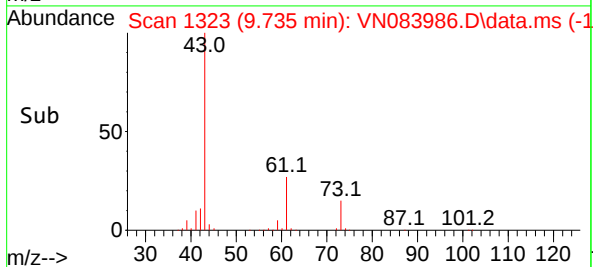
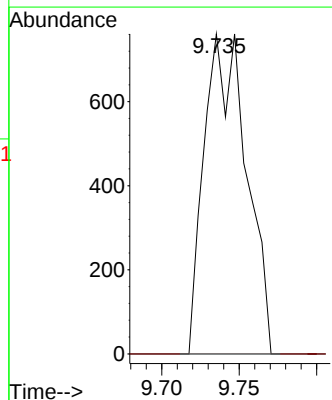
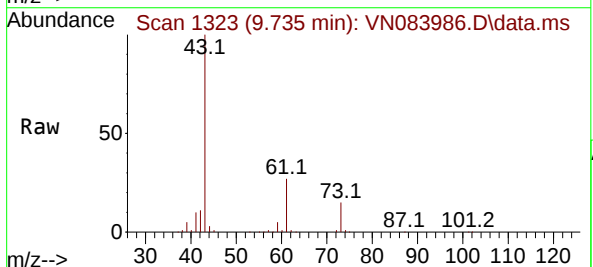
Acq: 18 Sep 2024 16:39

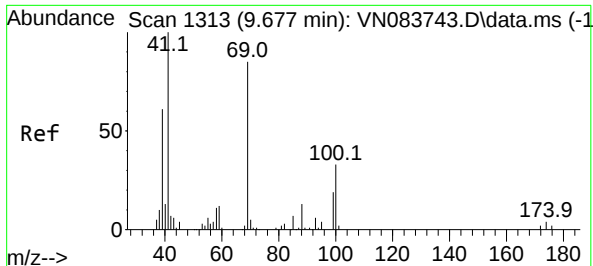
Tgt Ion: 63 Resp: 1437

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#

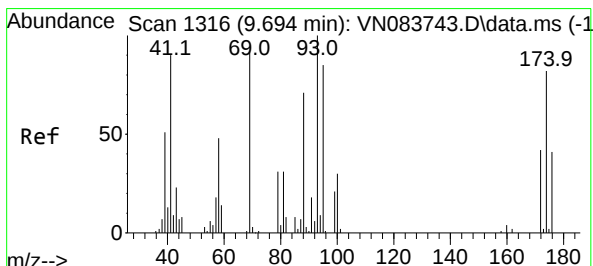
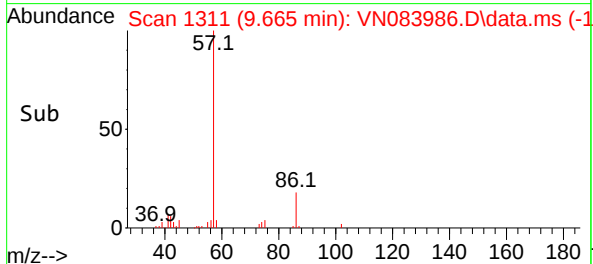
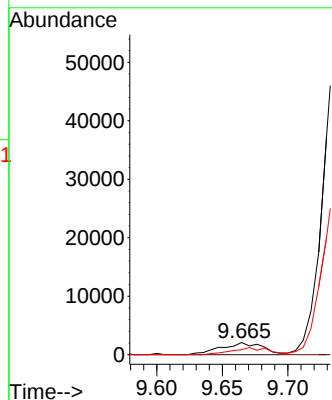
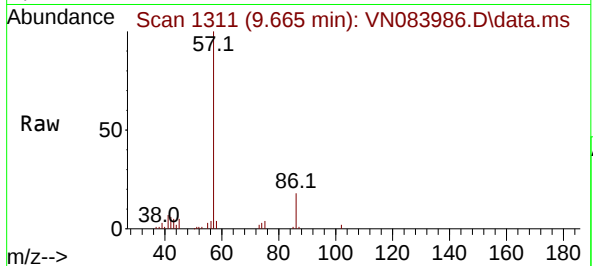




#48
Methyl methacrylate
Concen: 1.926 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

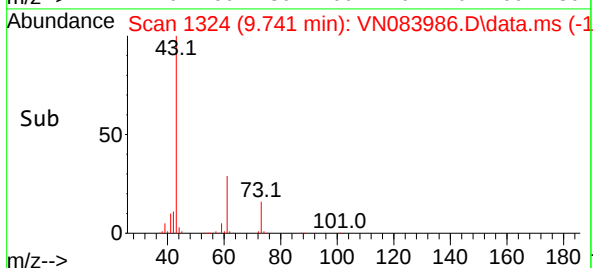
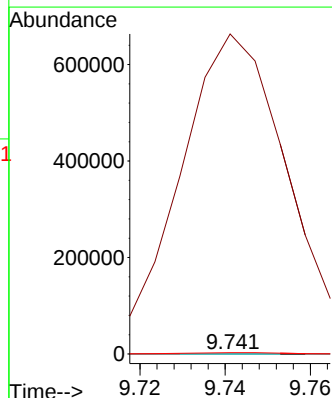
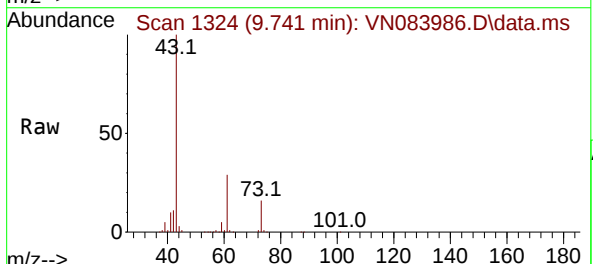
Instrument :
MSVOA_N
ClientSampleId :

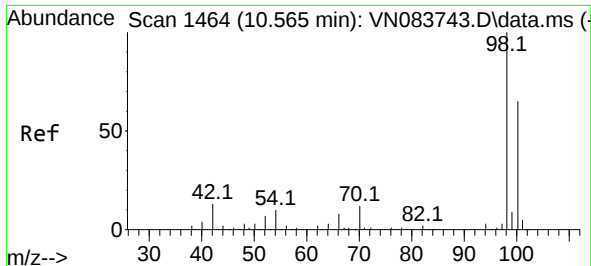
Tgt Ion: 41 Resp: 4519
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 53.1 48.9 73.3



#49
1,4-Dioxane
Concen: 1.632 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 1896490.5 0.0 0.0#
58 7139.7 57.1 85.7#

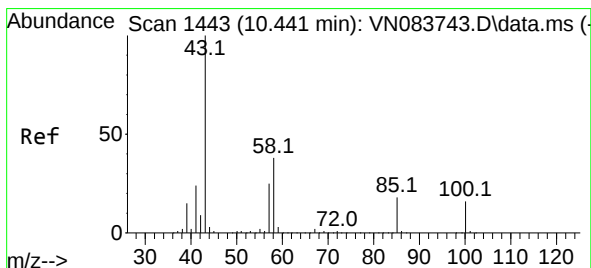
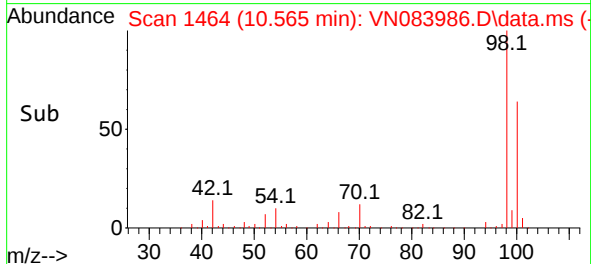
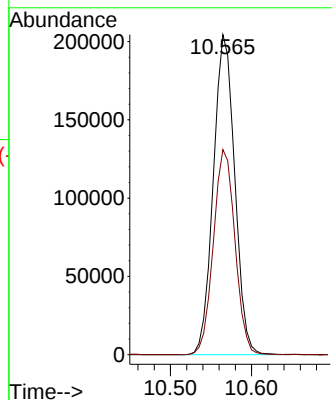
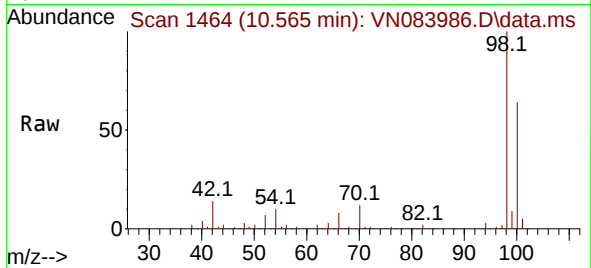




#50
Toluene-d8
Concen: 54.261 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

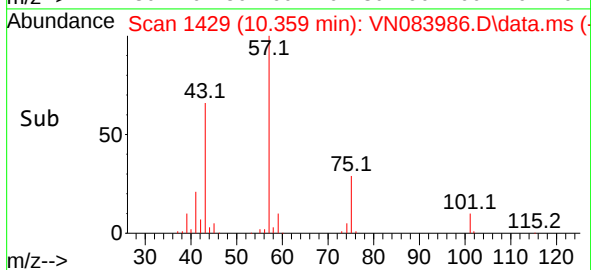
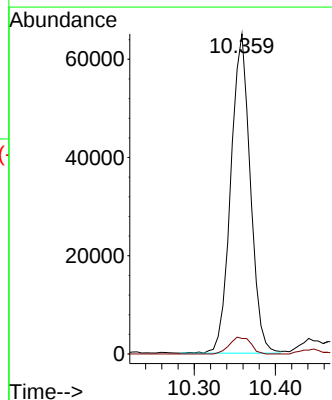
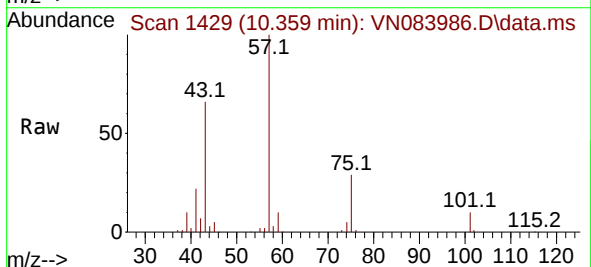
Instrument :
MSVOA_N
ClientSampleId :

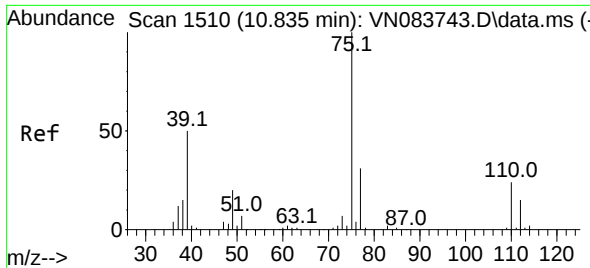
Tgt Ion: 98 Resp: 374694
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 40.202 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.082 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

Tgt Ion: 43 Resp: 108224
Ion Ratio Lower Upper
43 100
58 5.7 31.6 47.4#

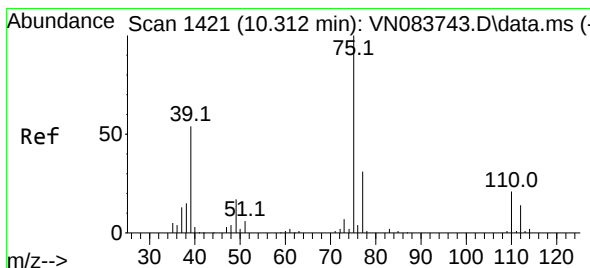
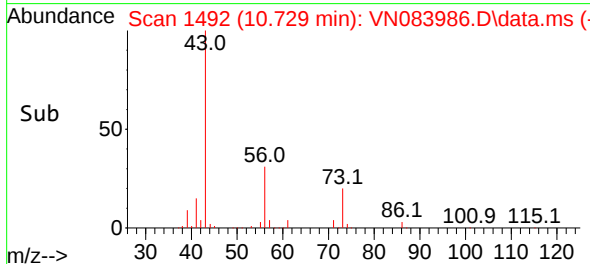
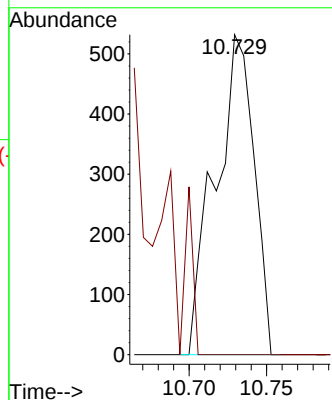
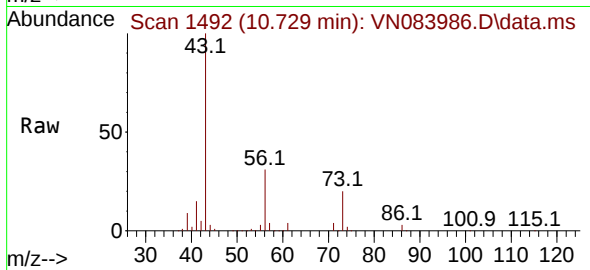




#53
 t-1,3-Dichloropropene
 Concen: 0.275 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN083986.D
 Acq: 18 Sep 2024 16:39

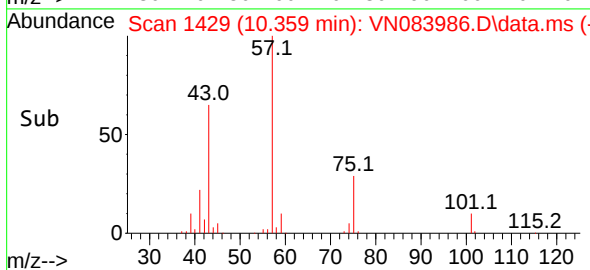
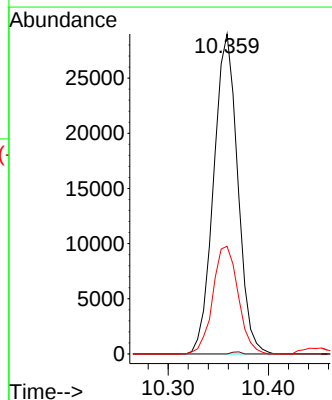
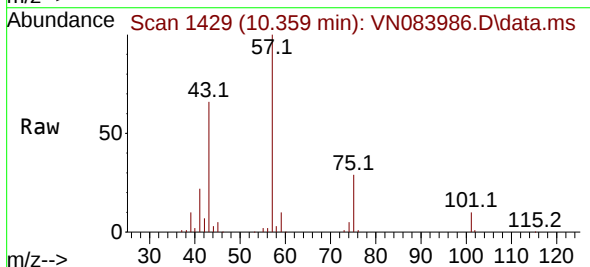
Instrument :
 MSVOA_N
 ClientSampleId :

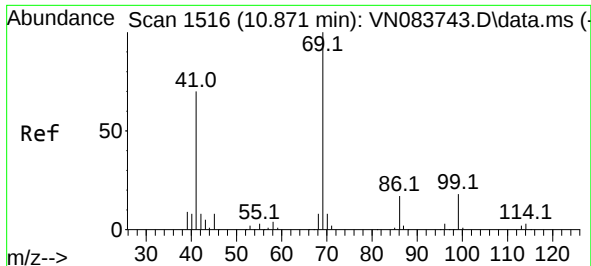
Tgt Ion: 75 Resp: 925
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 13.672 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083986.D
 Acq: 18 Sep 2024 16:39

Tgt Ion: 75 Resp: 48263
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 33.6 42.6 64.0#

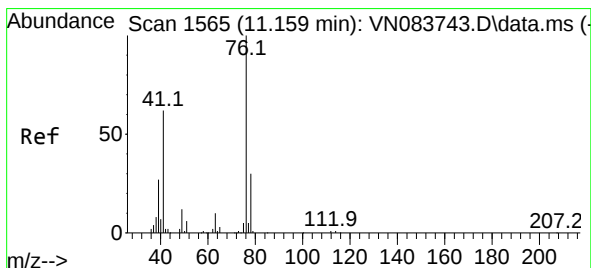
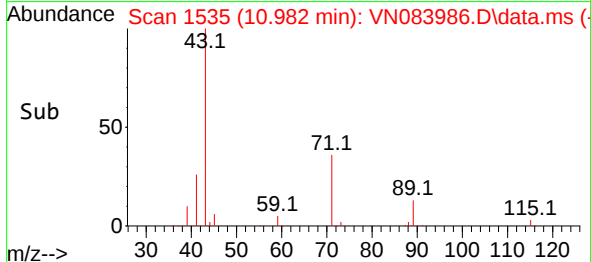
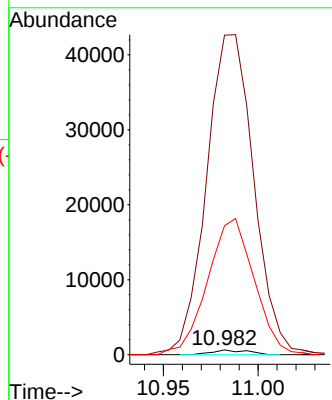
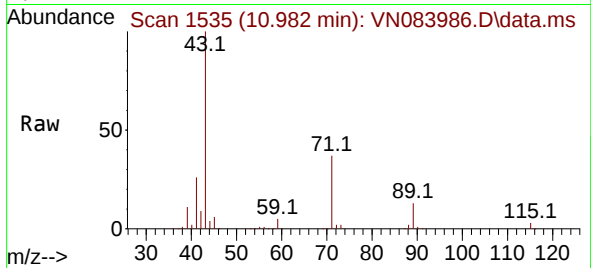




#56
Ethyl methacrylate
Concen: 0.261 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

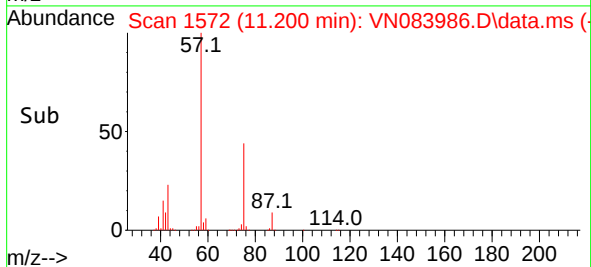
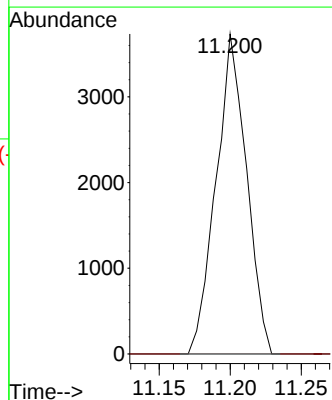
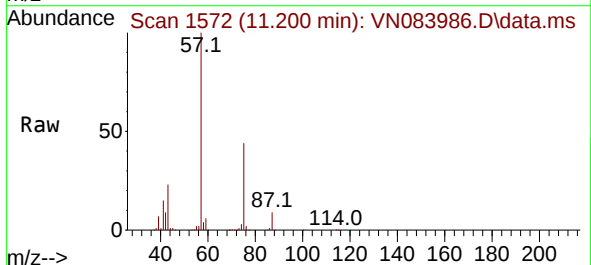
Instrument :
MSVOA_N
ClientSampleId :

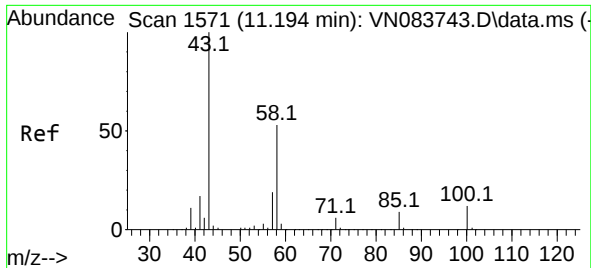
Tgt Ion: 69 Resp: 829
Ion Ratio Lower Upper
69 100
41 8968.0 53.9 80.9#
39 3752.7 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.571 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

Tgt Ion: 76 Resp: 5579
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

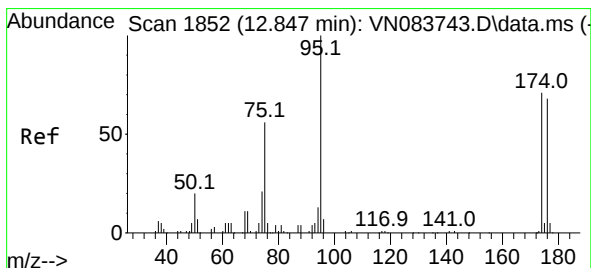
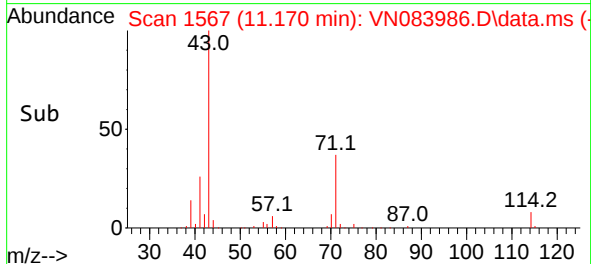
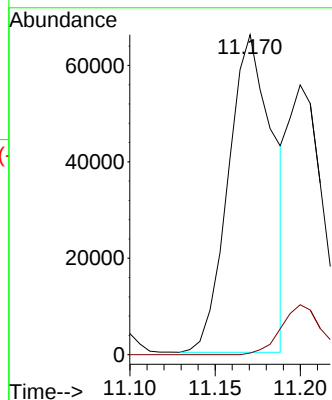
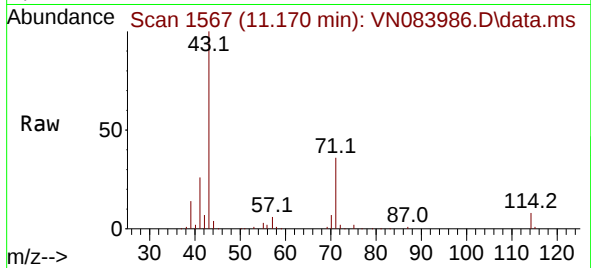




#59
2-Hexanone
Concen: 60.386 ug/l
RT: 11.170 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

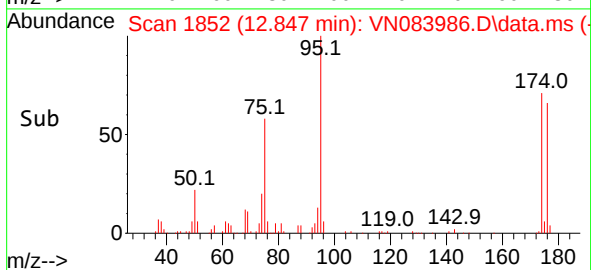
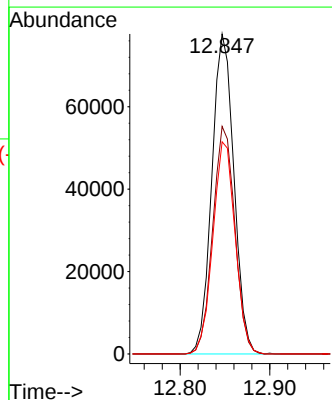
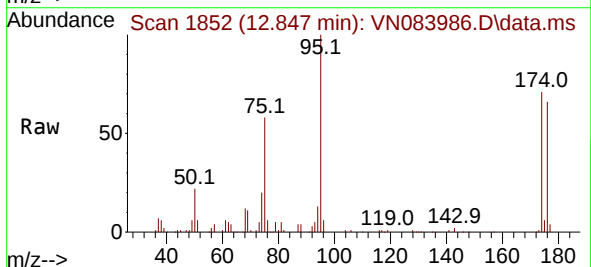
Instrument :
MSVOA_N
ClientSampleId :

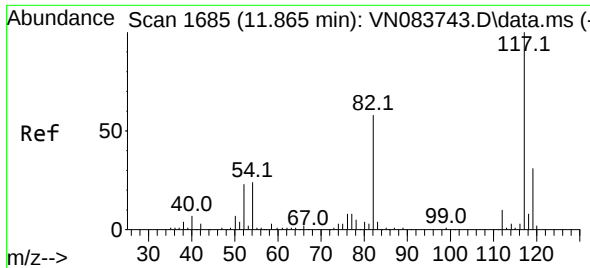
Tgt Ion: 43 Resp: 120248
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 46.457 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

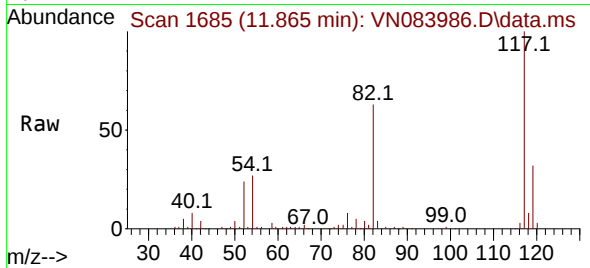
Tgt Ion: 95 Resp: 132356
Ion Ratio Lower Upper
95 100
174 71.2 0.0 139.8
176 67.3 0.0 131.4



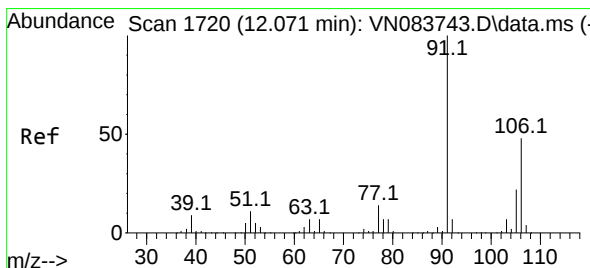
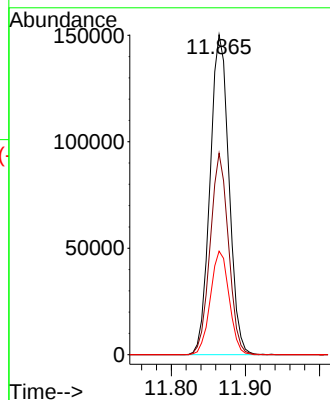
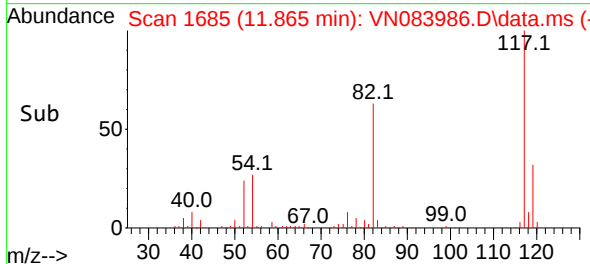


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

Instrument :
MSVOA_N
ClientSampleId :

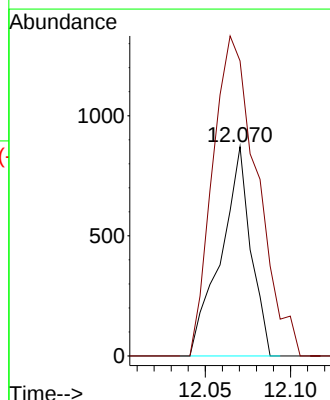
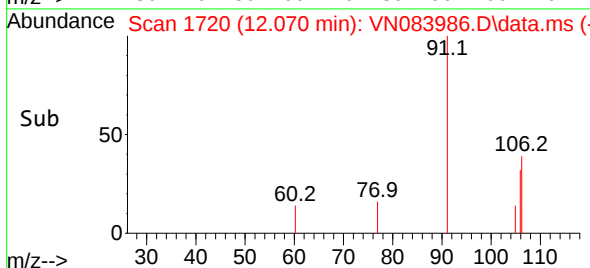
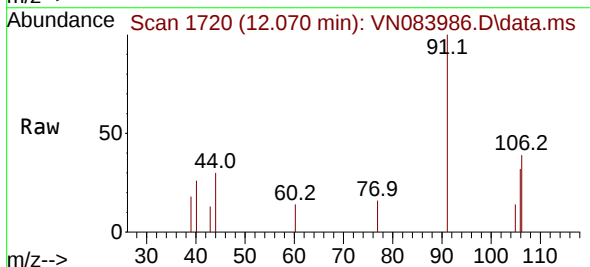


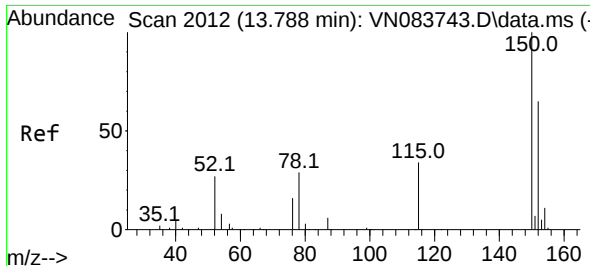
Tgt Ion:117 Resp: 265412
Ion Ratio Lower Upper
117 100
82 62.9 47.4 71.0
119 32.4 26.3 39.5



#68
m/p-Xylenes
Concen: 0.274 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

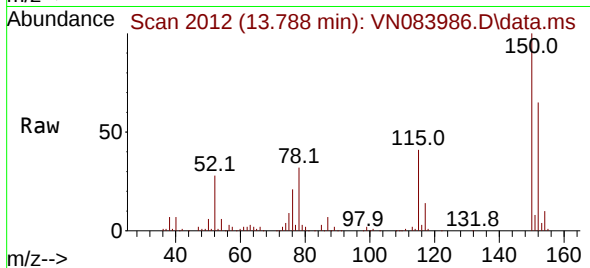
Tgt Ion:106 Resp: 1067
Ion Ratio Lower Upper
106 100
91 226.8 169.2 253.8



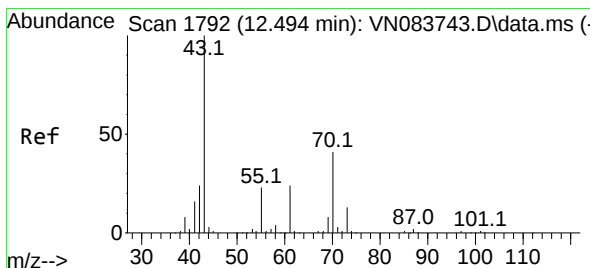
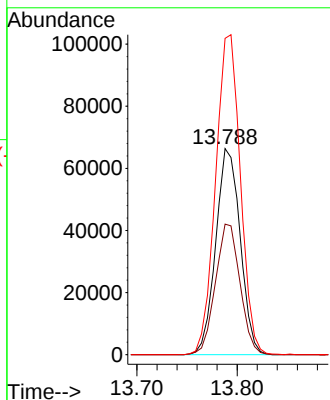
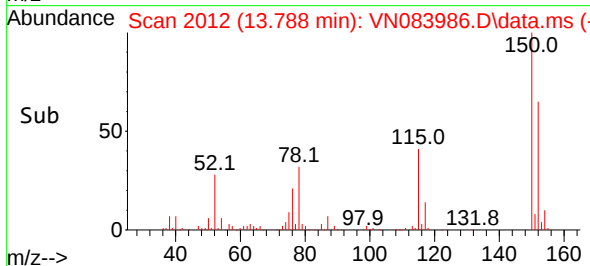


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN083986.D
 Acq: 18 Sep 2024 16:39

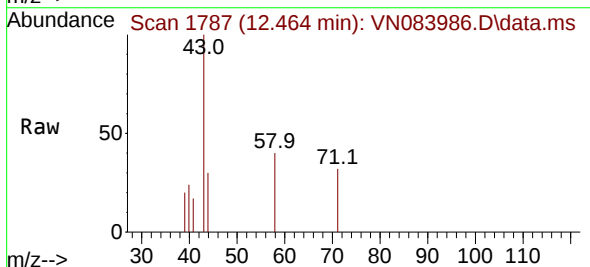
Instrument :
 MSVOA_N
 ClientSampleId :



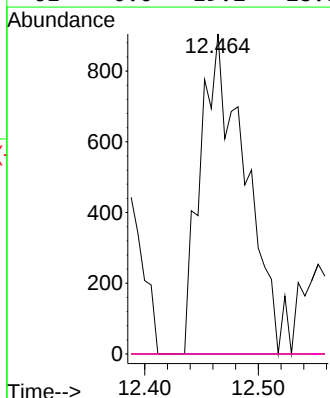
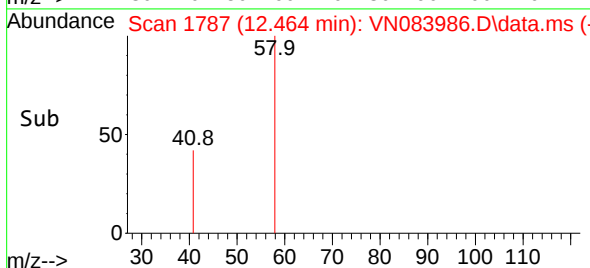
Tgt Ion:152 Resp: 112472
 Ion Ratio Lower Upper
 152 100
 115 63.6 32.2 96.6
 150 157.4 0.0 348.6

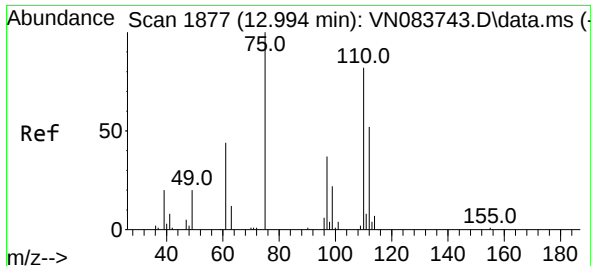


#74
 N-ethyl acetate
 Concen: 0.658 ug/l
 RT: 12.464 min Scan# 1787
 Delta R.T. -0.030 min
 Lab File: VN083986.D
 Acq: 18 Sep 2024 16:39



Tgt Ion: 43 Resp: 2442
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.5 51.7#
 55 0.0 18.6 28.0#
 61 0.0 19.2 28.8#

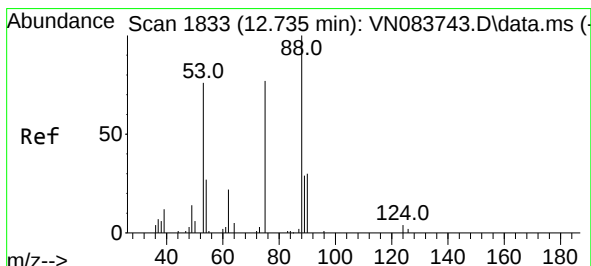
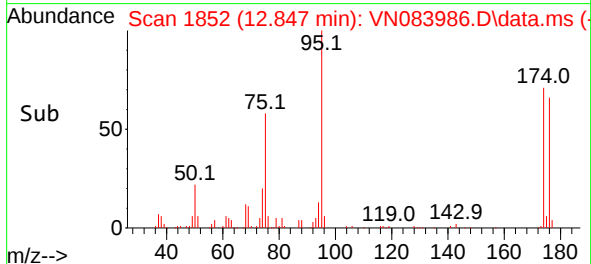
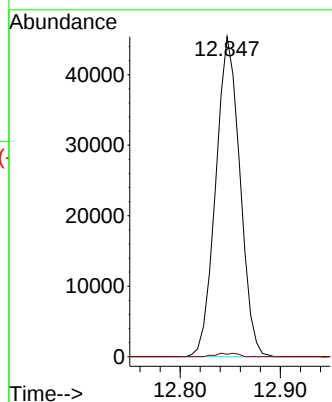
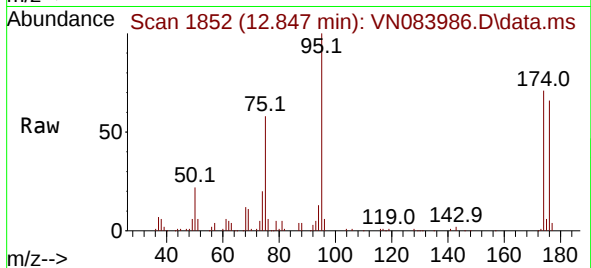




#76
1,2,3-Trichloropropane
Concen: 33.587 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

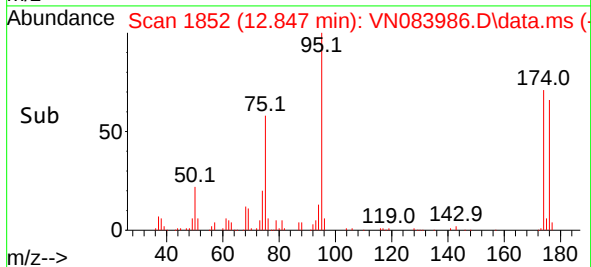
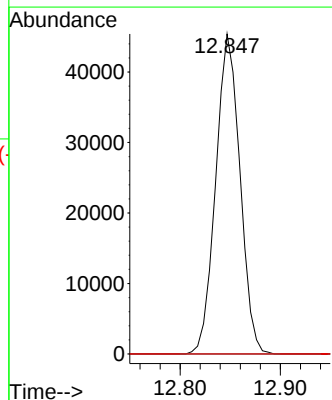
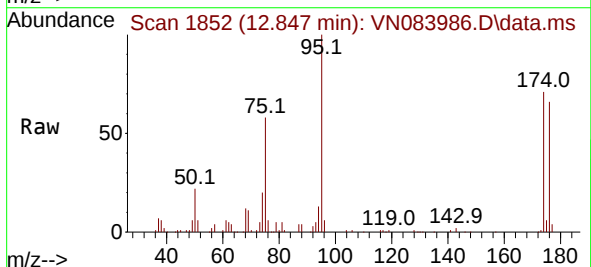
Instrument :
MSVOA_N
ClientSampleId :

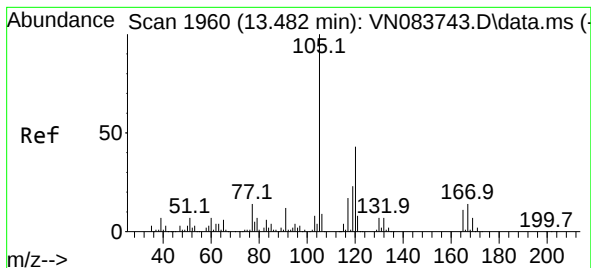
Tgt Ion: 75 Resp: 76224
Ion Ratio Lower Upper
75 100
77 1.0 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.966 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083986.D
Acq: 18 Sep 2024 16:39

Tgt Ion: 75 Resp: 76224
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#





#84

1,2,4-Trimethylbenzene

Concen: 0.282 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN083986.D

Acq: 18 Sep 2024 16:39

Instrument :

MSVOA_N

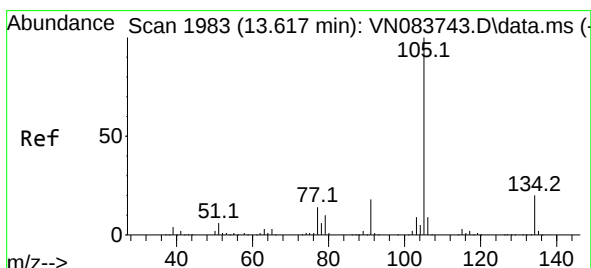
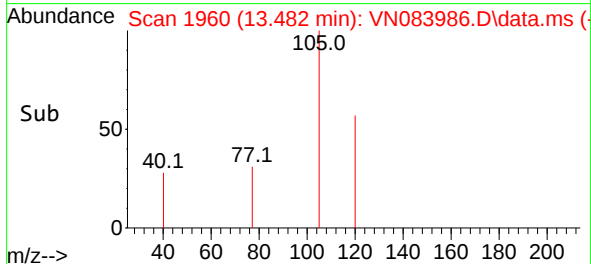
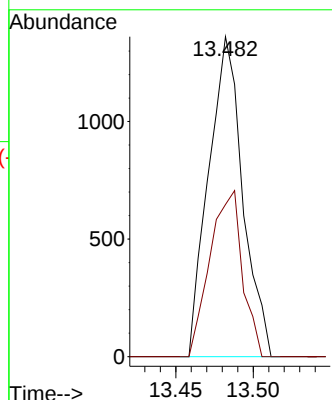
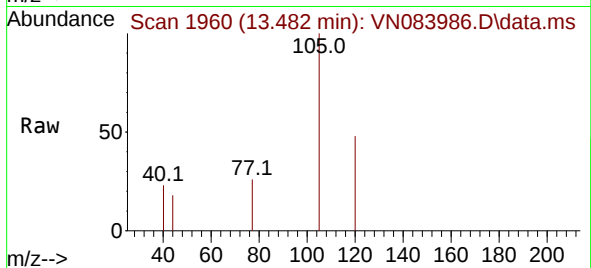
ClientSampleId :

Tgt Ion:105 Resp: 2078

Ion Ratio Lower Upper

105 100

120 49.4 21.8 65.4



#85

sec-Butylbenzene

Concen: 0.244 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.135 min

Lab File: VN083986.D

Acq: 18 Sep 2024 16:39

Tgt Ion:105 Resp: 2078

Ion Ratio Lower Upper

105 100

134 0.0 9.7 29.1#

