

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081924\
 Data File : VN083384.D
 Acq On : 19 Aug 2024 19:55
 Operator : JC\MD
 Sample : P3646-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 04:51:22 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	134810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	268344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	281709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	122958	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	105905	55.191	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.380%	
35) Dibromofluoromethane	8.165	113	85294	50.923	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.840%	
50) Toluene-d8	10.571	98	312305	49.985	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.980%	
62) 4-Bromofluorobenzene	12.853	95	129453	53.146	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.300%	

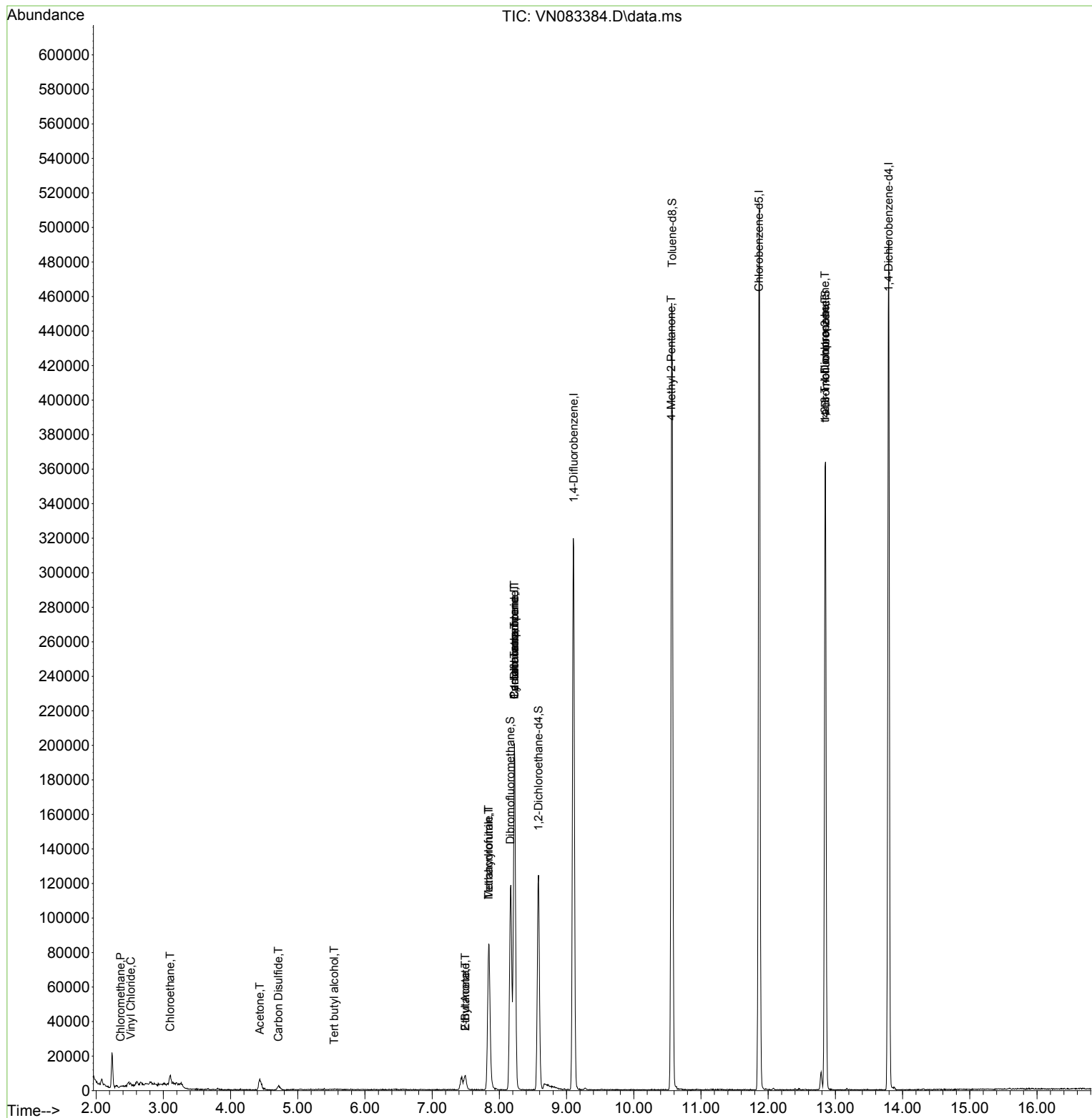
Target Compounds				Qvalue		
3) Chloromethane	2.365	50	566	0.362	ug/l #	43
4) Vinyl Chloride	2.518	62	336	0.210	ug/l #	69
6) Chloroethane	3.100	64	356	0.356	ug/l #	41
11) Tert butyl alcohol	5.542	59	123	0.308	ug/l #	71
16) Acetone	4.436	43	12297	16.377	ug/l #	86
17) Carbon Disulfide	4.712	76	4106	0.939	ug/l #	75
25) 2-Butanone	7.494	43	14433	12.519	ug/l	98
29) Tetrahydrofuran	7.841	42	66771	89.592	ug/l	91
31) Cyclohexane	8.224	56	3344	1.176	ug/l #	24
36) 1,1-Dichloropropene	8.224	75	12804	5.053	ug/l #	51
37) Ethyl Acetate	7.494	43	14433	5.088	ug/l #	72
38) Carbon Tetrachloride	8.224	117	15810	5.540	ug/l #	16
41) Methacrylonitrile	7.841	41	39452	24.458	ug/l #	50
43) Isopropyl Acetate	8.682	43	2836	Below Cal	#	60
51) 4-Methyl-2-Pentanone	10.559	43	1692	0.631	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	71558	26.516	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71558	57.680	ug/l #	6

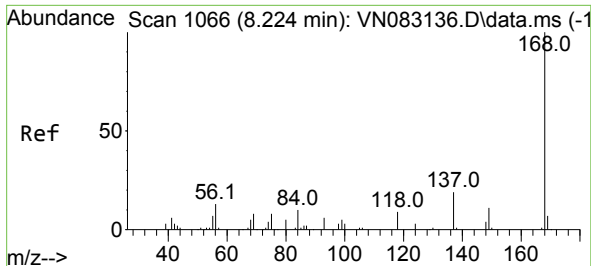
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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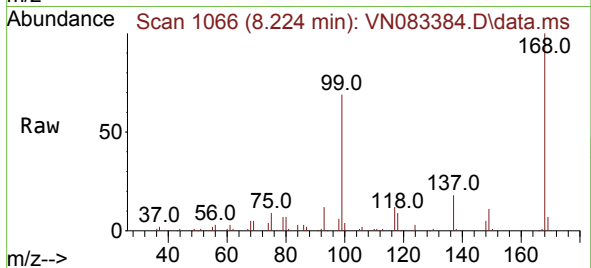
Quant Time: Aug 20 04:51:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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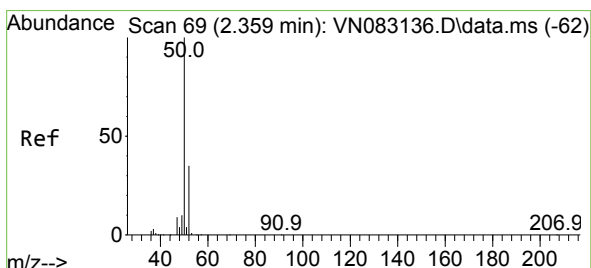
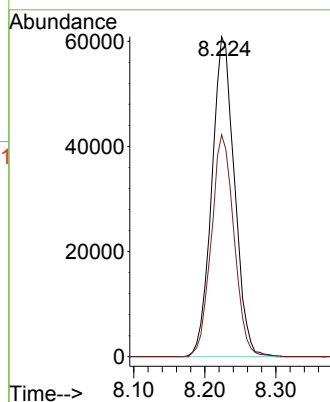
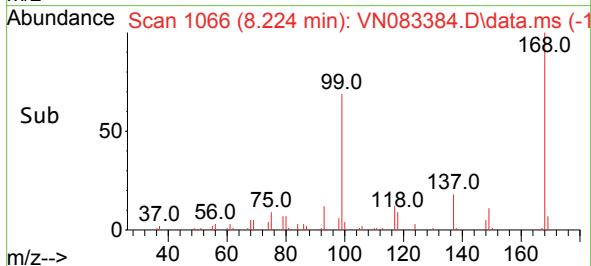


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083384.D
Acq: 19 Aug 2024 19:55

Instrument :
MSVOA_N
ClientSampleId :

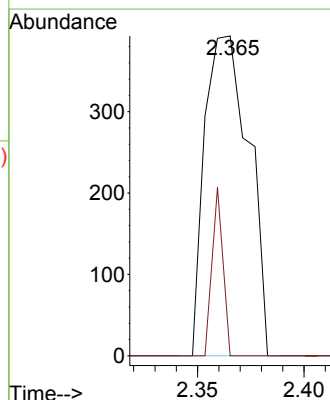
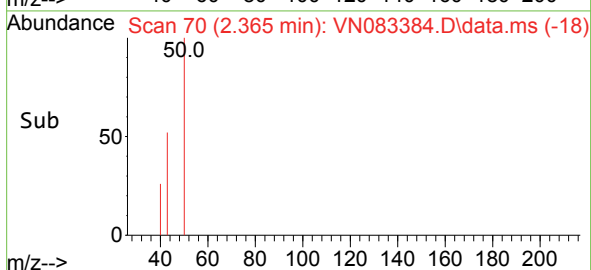
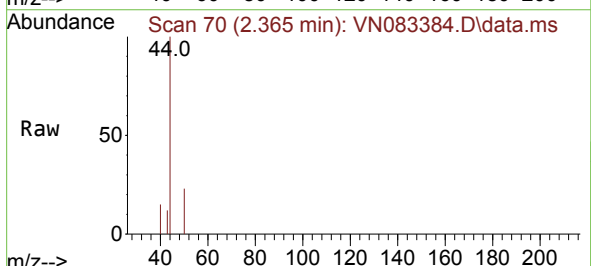


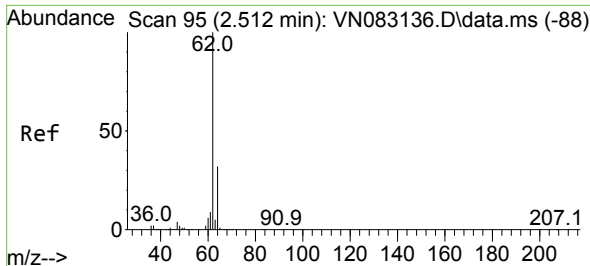
Tgt Ion:168 Resp: 134810
Ion Ratio Lower Upper
168 100
99 69.4 48.2 72.4



#3
Chloromethane
Concen: 0.362 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083384.D
Acq: 19 Aug 2024 19:55

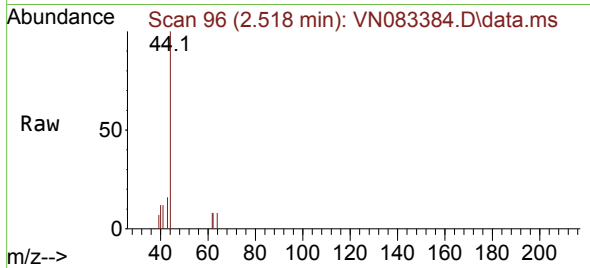
Tgt Ion: 50 Resp: 566
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



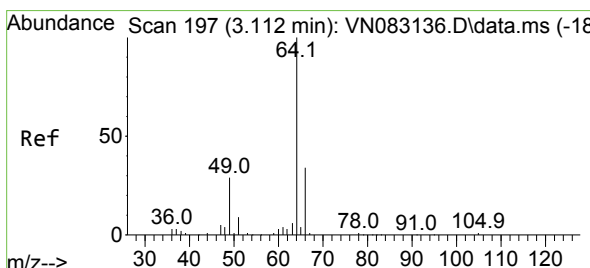
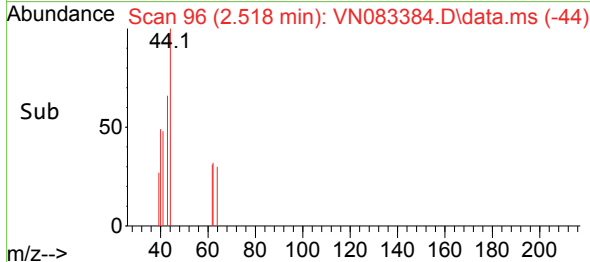
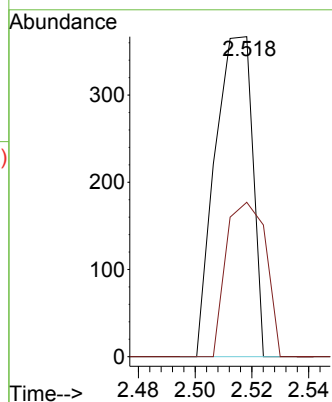


#4
 Vinyl Chloride
 Concen: 0.210 ug/l
 RT: 2.518 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VN083384.D
 Acq: 19 Aug 2024 19:55

Instrument :
 MSVOA_N
 ClientSampleId :

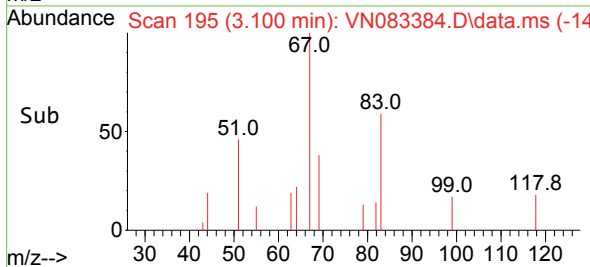
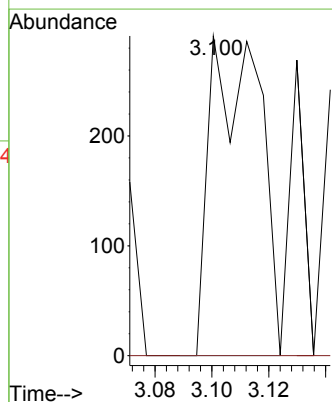
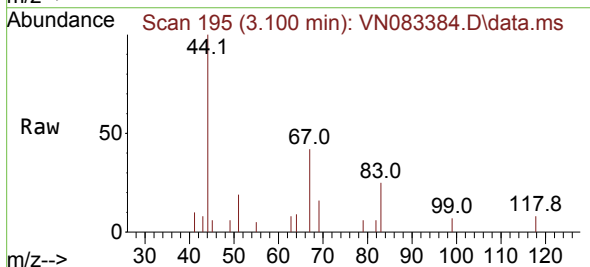


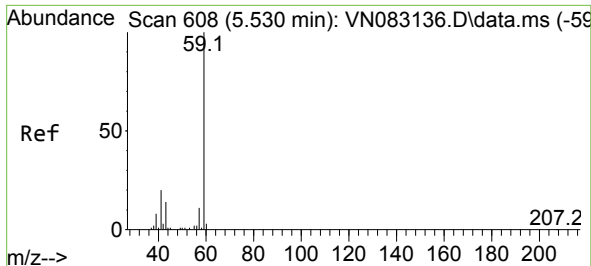
Tgt Ion: 62 Resp: 336
 Ion Ratio Lower Upper
 62 100
 64 48.2 25.0 37.6#



#6
 Chloroethane
 Concen: 0.356 ug/l
 RT: 3.100 min Scan# 195
 Delta R.T. -0.012 min
 Lab File: VN083384.D
 Acq: 19 Aug 2024 19:55

Tgt Ion: 64 Resp: 356
 Ion Ratio Lower Upper
 64 100
 66 0.0 26.6 40.0#





#11

Tert butyl alcohol

Concen: 0.308 ug/l

RT: 5.542 min Scan# 610

Delta R.T. 0.012 min

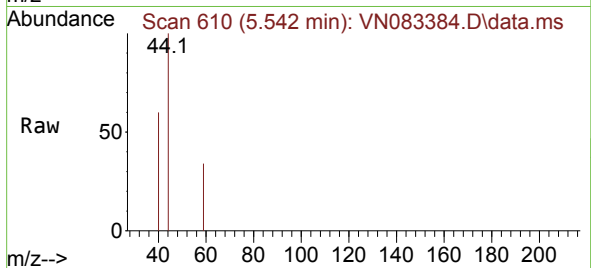
Lab File: VN083384.D

Acq: 19 Aug 2024 19:55

Instrument :

MSVOA_N

ClientSampleId :

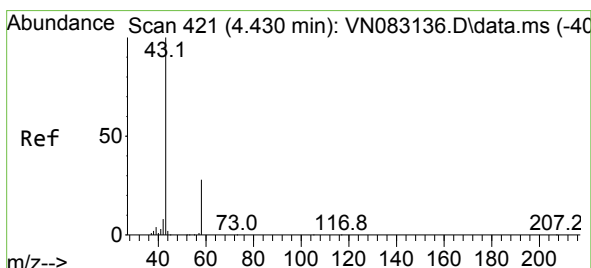
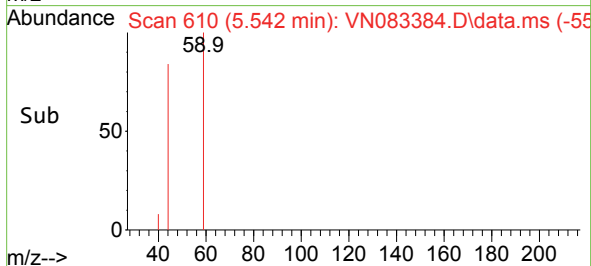
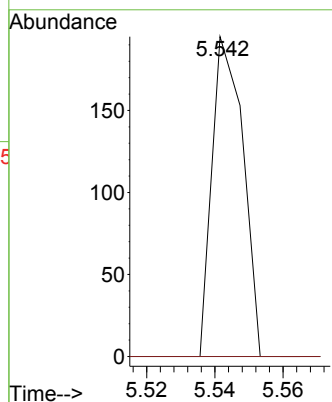


Tgt Ion: 59 Resp: 123

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#16

Acetone

Concen: 16.377 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN083384.D

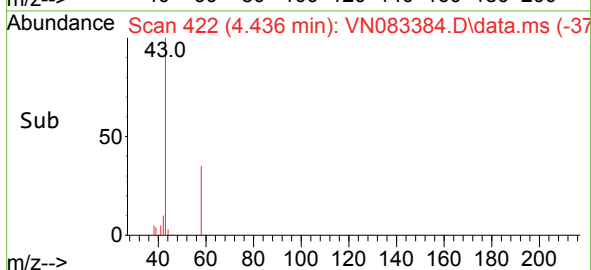
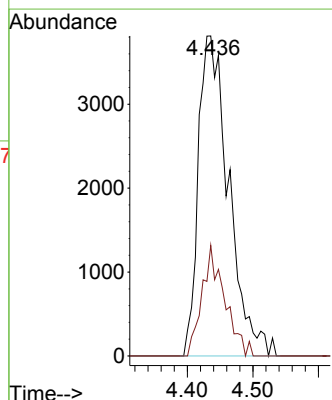
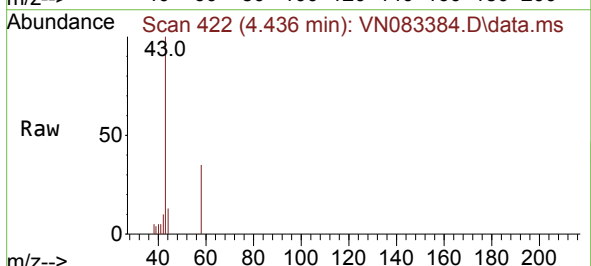
Acq: 19 Aug 2024 19:55

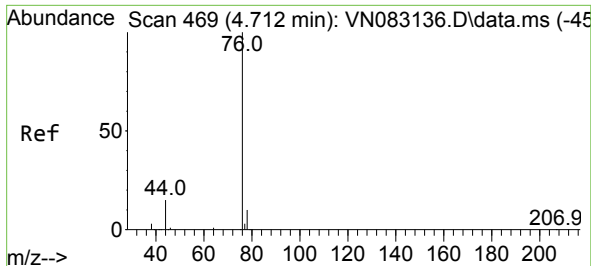
Tgt Ion: 43 Resp: 12297

Ion Ratio Lower Upper

43 100

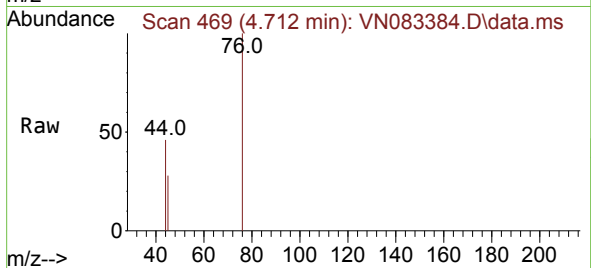
58 34.6 21.8 32.6#



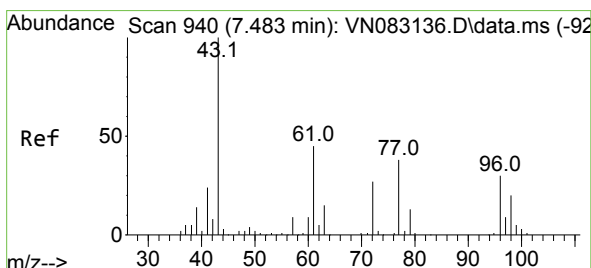
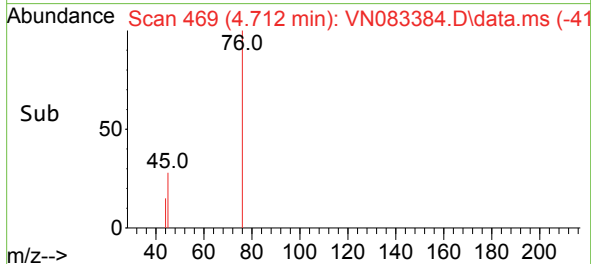
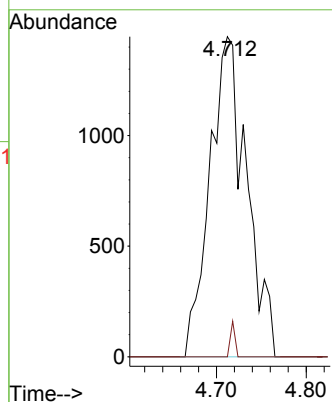


#17
Carbon Disulfide
Concen: 0.939 ug/l
RT: 4.712 min Scan# 4106
Delta R.T. -0.000 min
Lab File: VN083384.D
Acq: 19 Aug 2024 19:55

Instrument :
MSVOA_N
ClientSampleId :

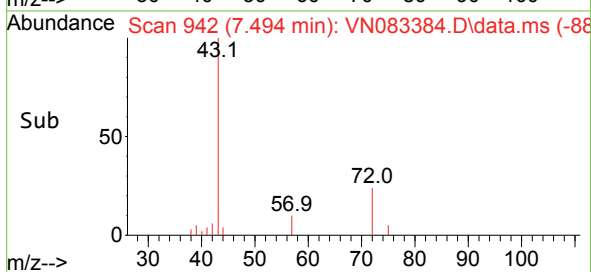
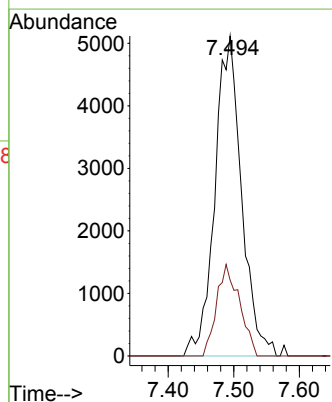
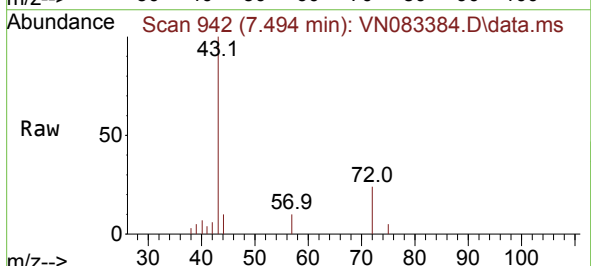


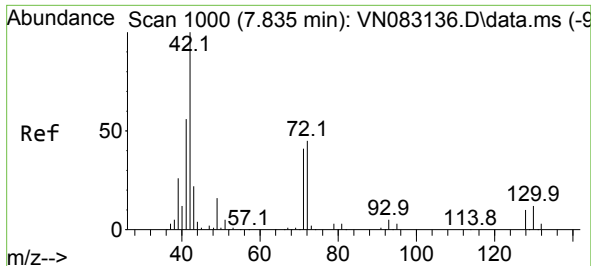
Tgt Ion: 76 Resp: 4106
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#25
2-Butanone
Concen: 12.519 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083384.D
Acq: 19 Aug 2024 19:55

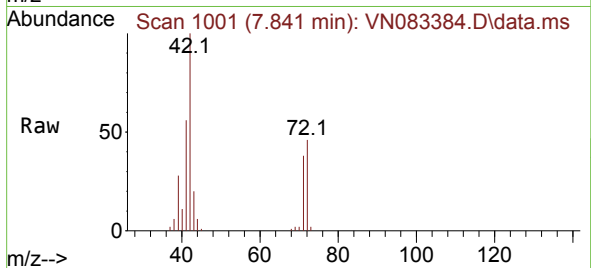
Tgt Ion: 43 Resp: 14433
Ion Ratio Lower Upper
43 100
72 23.7 18.2 27.2



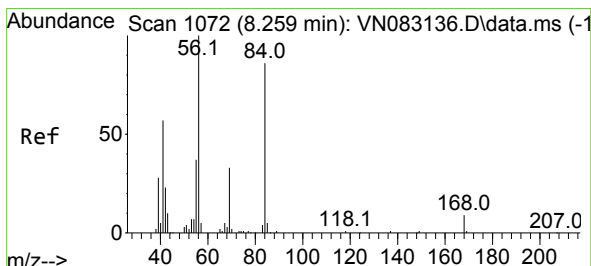
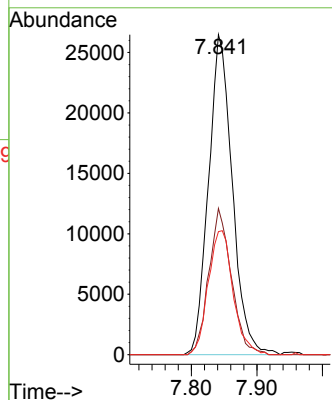
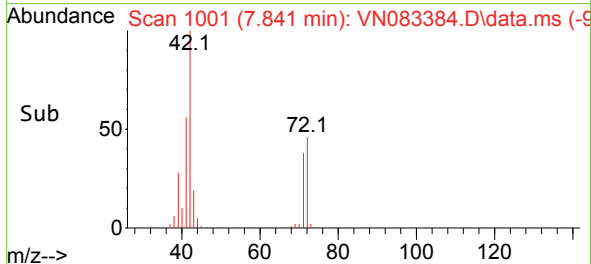


#29
Tetrahydrofuran
Concen: 89.592 ug/l
RT: 7.841 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VN083384.D
Acq: 19 Aug 2024 19:55

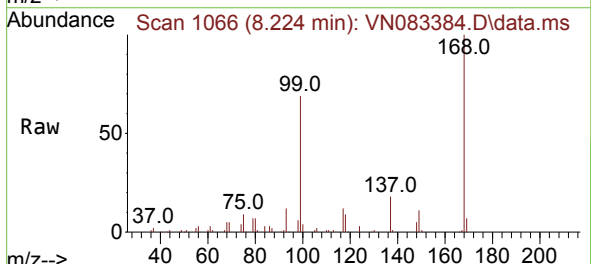
Instrument :
MSVOA_N
ClientSampleId :



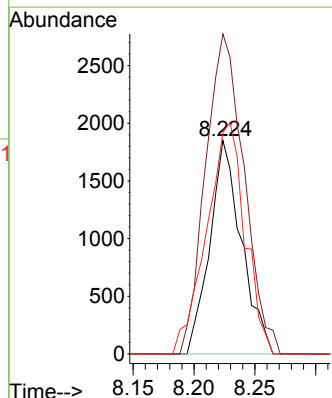
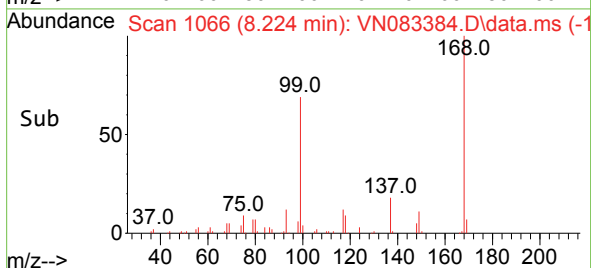
Tgt Ion: 42 Resp: 66771
Ion Ratio Lower Upper
42 100
72 43.4 30.0 45.0
71 40.4 28.3 42.5

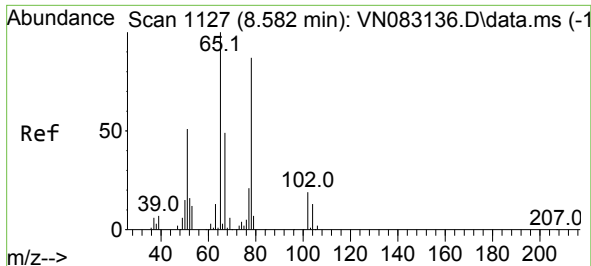


#31
Cyclohexane
Concen: 1.176 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083384.D
Acq: 19 Aug 2024 19:55



Tgt Ion: 56 Resp: 3344
Ion Ratio Lower Upper
56 100
69 149.9 24.5 36.7#
84 103.8 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 55.191 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083384.D

Acq: 19 Aug 2024 19:55

Instrument :

MSVOA_N

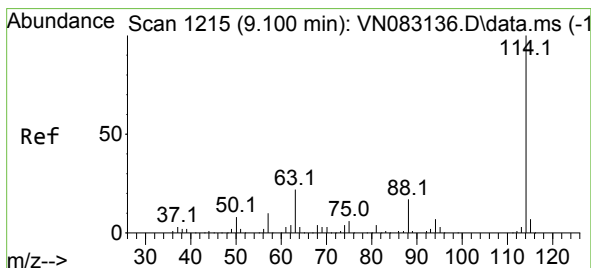
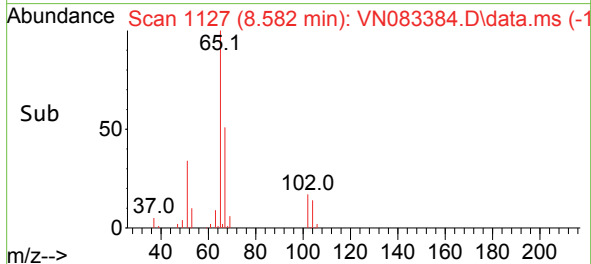
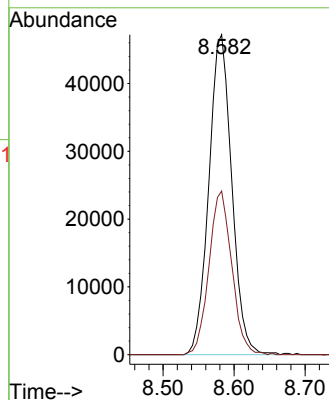
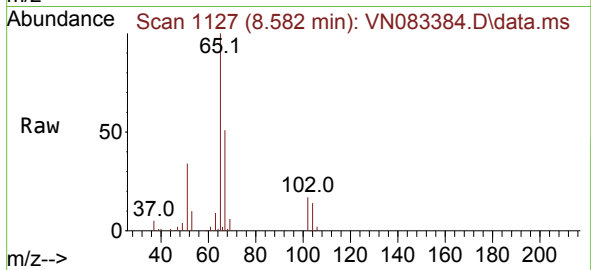
ClientSampleId :

Tgt Ion: 65 Resp: 105905

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN083384.D

Acq: 19 Aug 2024 19:55

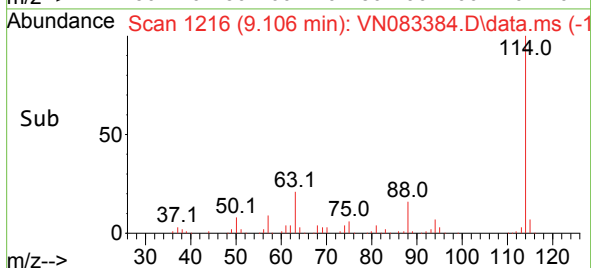
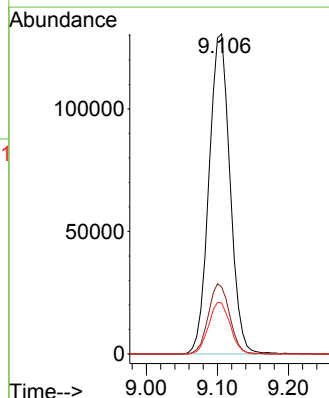
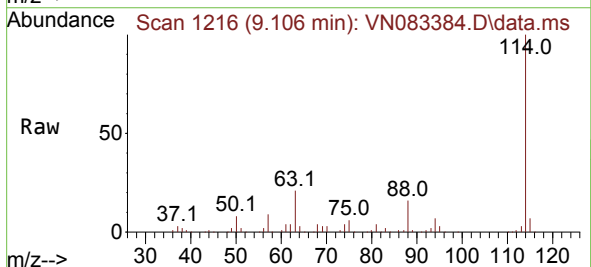
Tgt Ion: 114 Resp: 268344

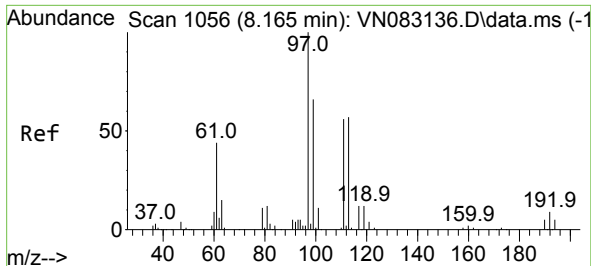
Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.6

88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.923 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083384.D

Acq: 19 Aug 2024 19:55

Instrument :

MSVOA_N

ClientSampleId :

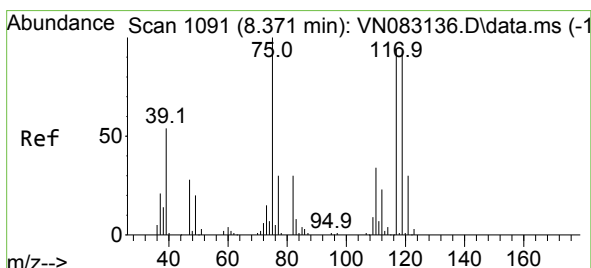
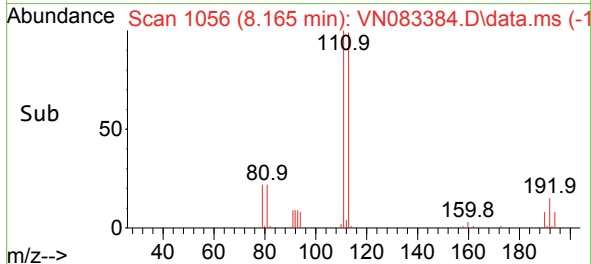
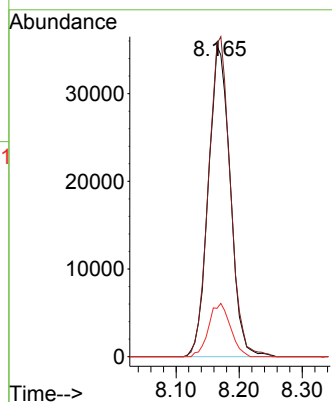
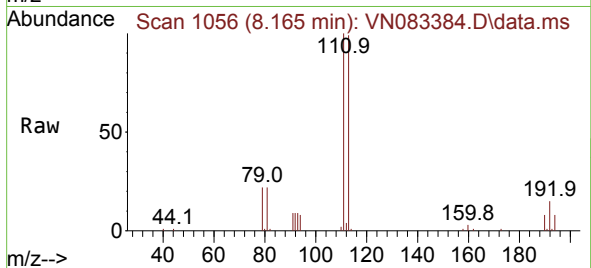
Tgt Ion:113 Resp: 85294

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

192 17.1 14.9 22.3



#36

1,1-Dichloropropene

Concen: 5.053 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083384.D

Acq: 19 Aug 2024 19:55

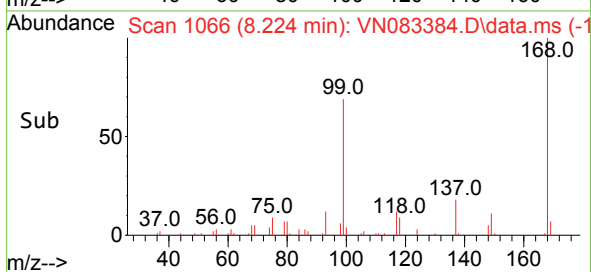
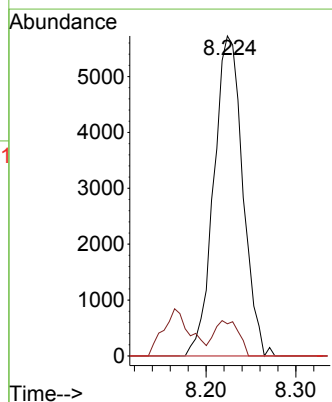
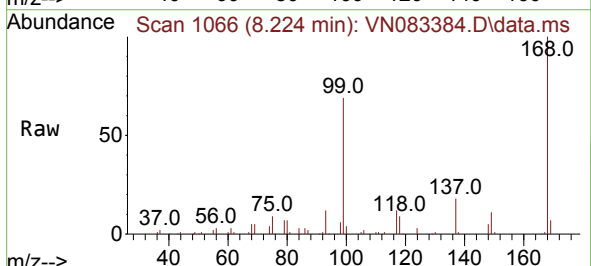
Tgt Ion: 75 Resp: 12804

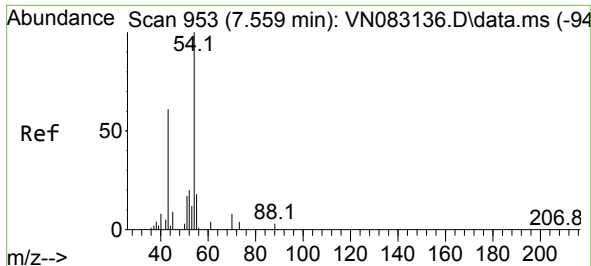
Ion Ratio Lower Upper

75 100

110 9.4 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 5.088 ug/l

RT: 7.494 min Scan# 94

Delta R.T. -0.065 min

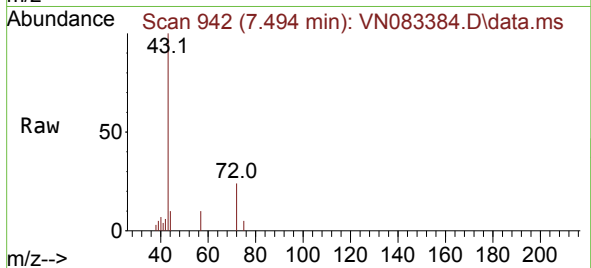
Lab File: VN083384.D

Acq: 19 Aug 2024 19:55

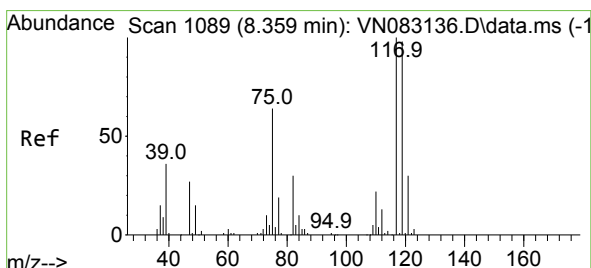
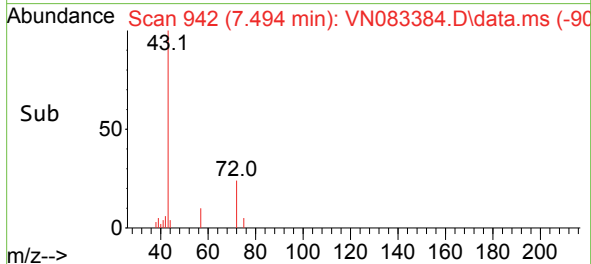
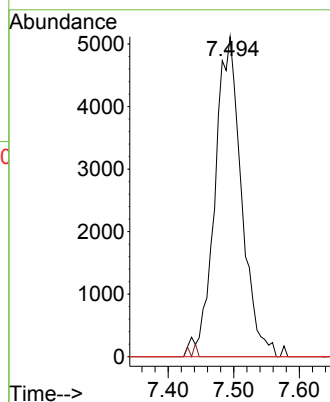
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 14433
Ion Ratio	Lower Upper
43	100
61	0.0 9.3 13.9#
70	0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.540 ug/l

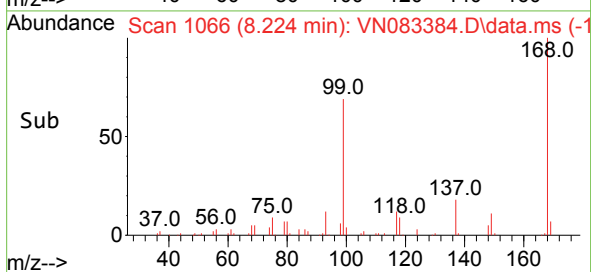
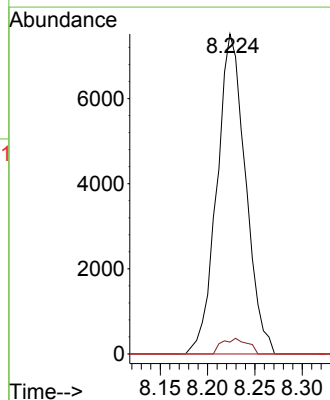
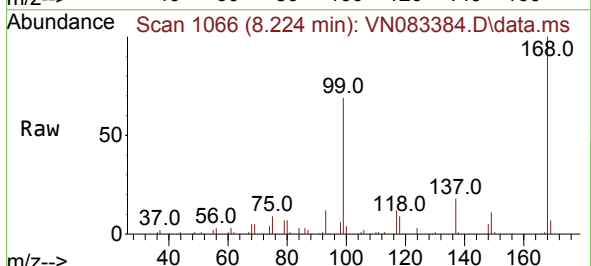
RT: 8.224 min Scan# 1066

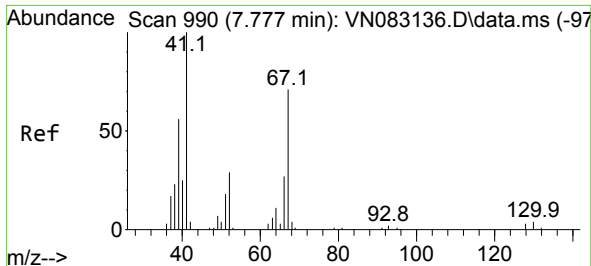
Delta R.T. -0.135 min

Lab File: VN083384.D

Acq: 19 Aug 2024 19:55

Tgt Ion: 117	Resp: 15810
Ion Ratio	Lower Upper
117	100
119	3.7 74.9 112.3#
121	0.0 24.3 36.5#

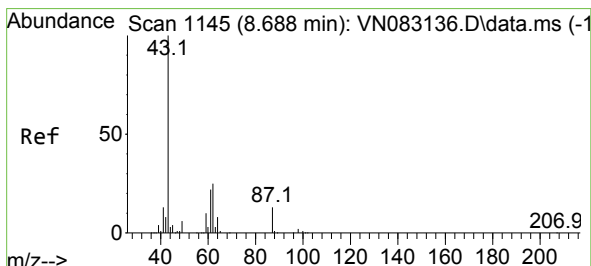
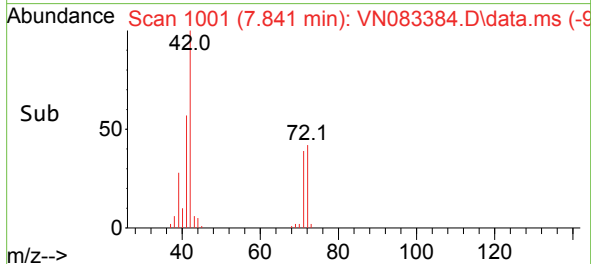
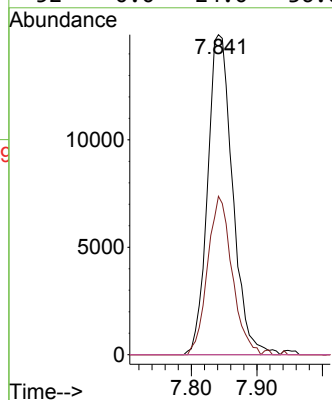
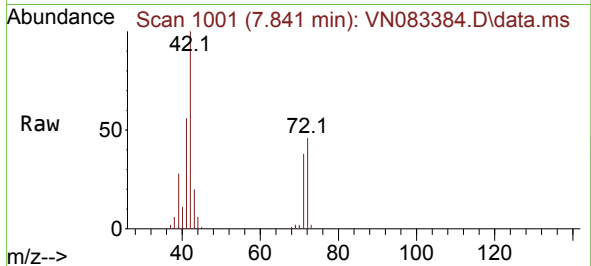




#41
Methacrylonitrile
Concen: 24.458 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.065 min
Lab File: VN083384.D
Acq: 19 Aug 2024 19:55

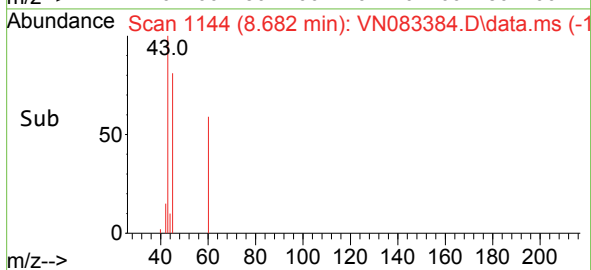
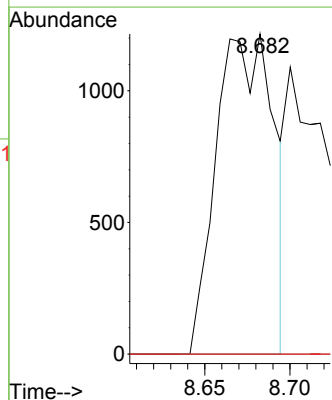
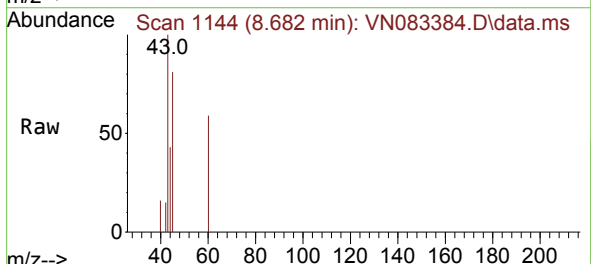
Instrument :
MSVOA_N
ClientSampleId :

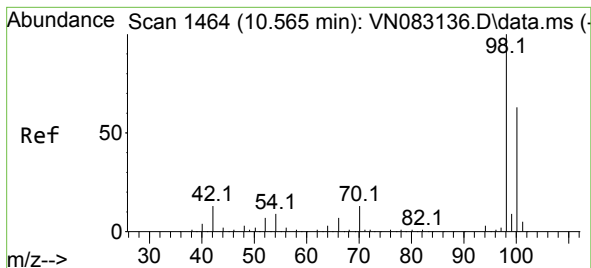
Tgt Ion: 41 Resp: 39452
Ion Ratio Lower Upper
41 100
39 48.6 45.5 68.3
67 0.0 50.5 75.7#
52 0.0 24.0 36.0#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN083384.D
Acq: 19 Aug 2024 19:55

Tgt Ion: 43 Resp: 2836
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#





#50

Toluene-d8

Concen: 49.985 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN083384.D

Acq: 19 Aug 2024 19:55

Instrument :

MSVOA_N

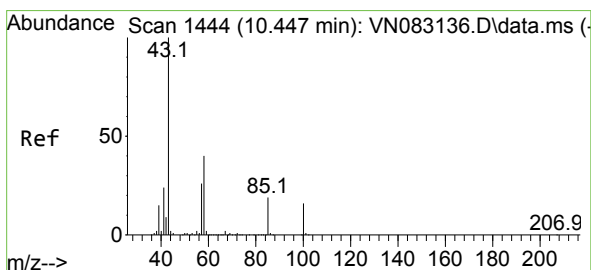
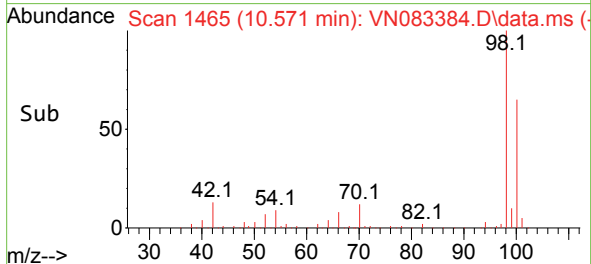
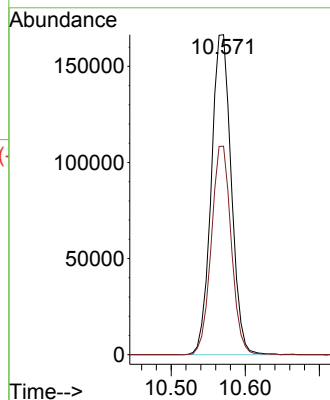
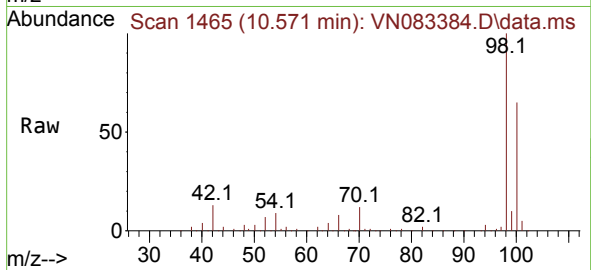
ClientSampleId :

Tgt Ion: 98 Resp: 312305

Ion Ratio Lower Upper

98 100

100 65.0 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 0.631 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. 0.112 min

Lab File: VN083384.D

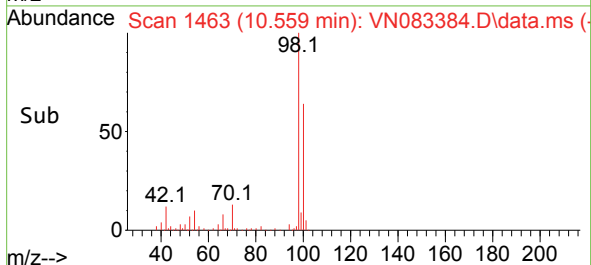
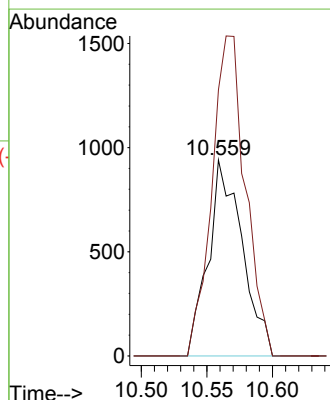
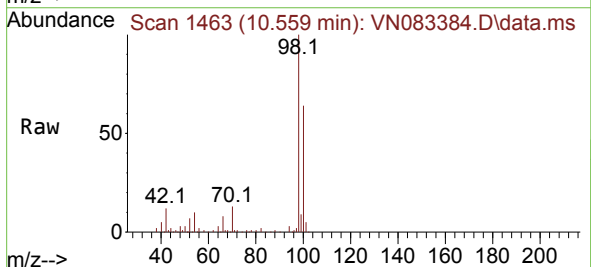
Acq: 19 Aug 2024 19:55

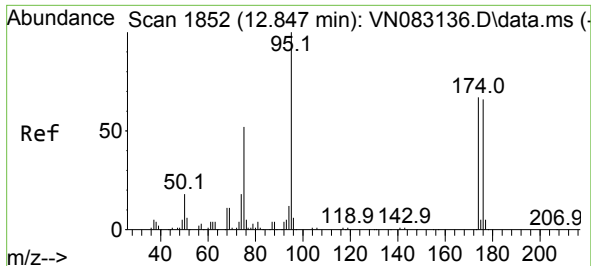
Tgt Ion: 43 Resp: 1692

Ion Ratio Lower Upper

43 100

58 161.7 28.2 42.4#

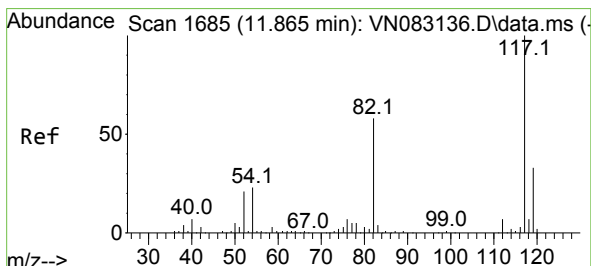
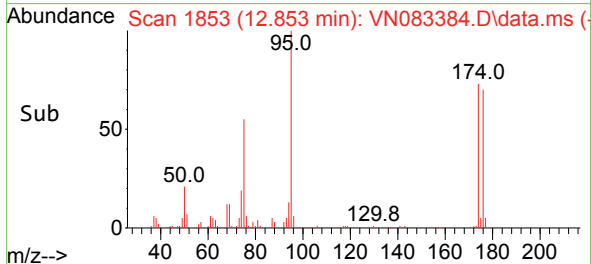
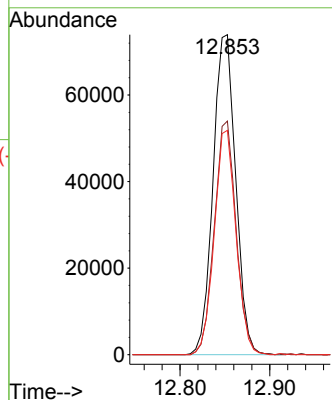
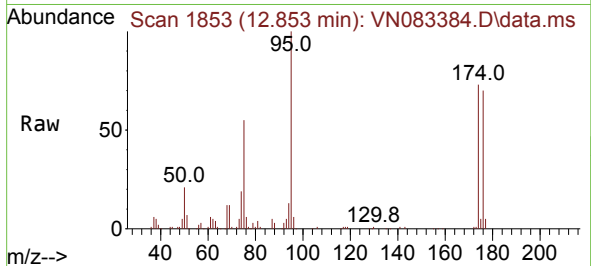




#62
4-Bromofluorobenzene
Concen: 53.146 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083384.D
Acq: 19 Aug 2024 19:55

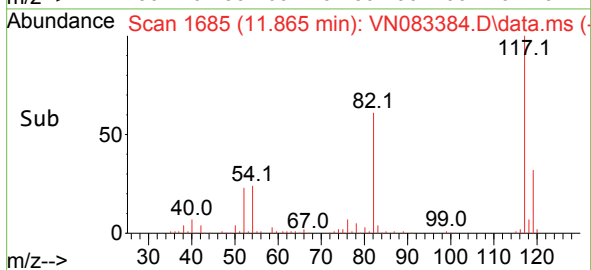
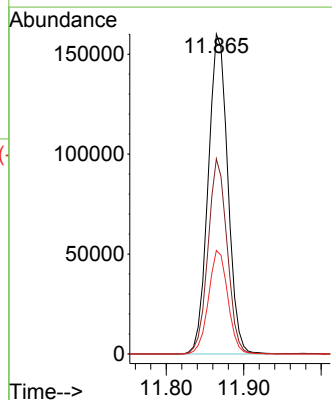
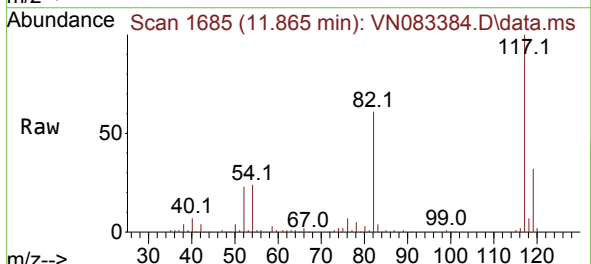
Instrument :
MSVOA_N
ClientSampleId :

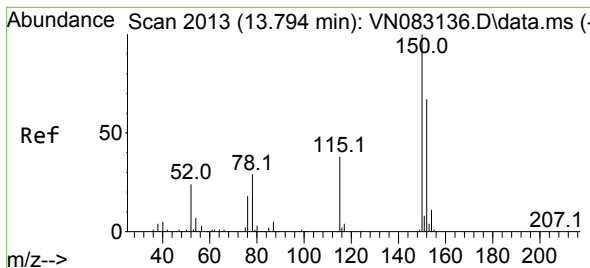
Tgt Ion: 95 Resp: 129453
Ion Ratio Lower Upper
95 100
174 70.4 0.0 159.2
176 67.5 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083384.D
Acq: 19 Aug 2024 19:55

Tgt Ion: 117 Resp: 281709
Ion Ratio Lower Upper
117 100
82 61.0 47.5 71.3
119 32.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

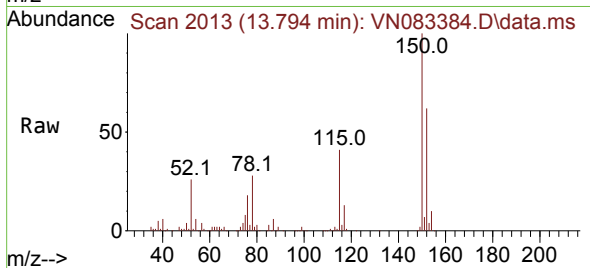
Lab File: VN083384.D

Acq: 19 Aug 2024 19:55

Instrument :

MSVOA_N

ClientSampleId :



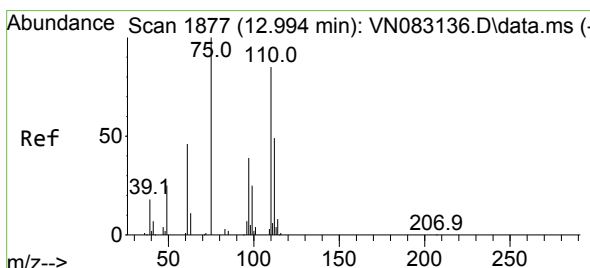
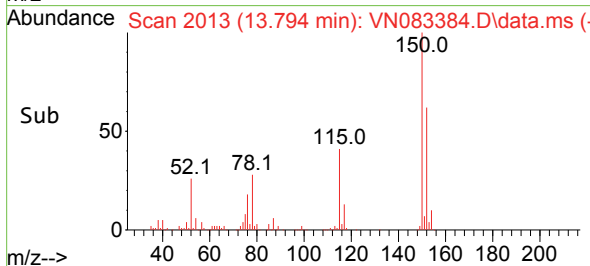
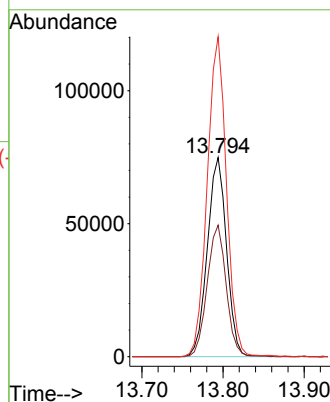
Tgt Ion:152 Resp: 122958

Ion Ratio Lower Upper

152 100

115 65.5 30.6 91.6

150 160.5 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 26.516 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083384.D

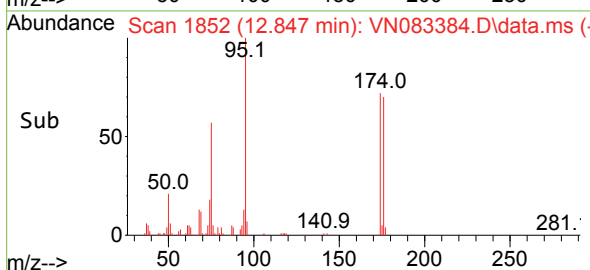
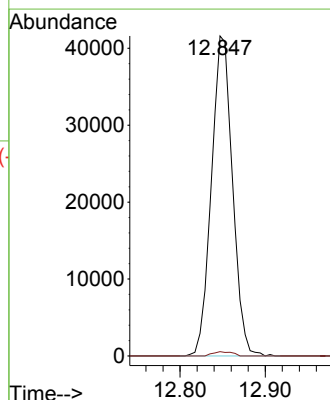
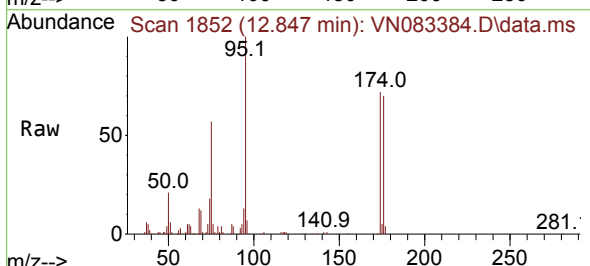
Acq: 19 Aug 2024 19:55

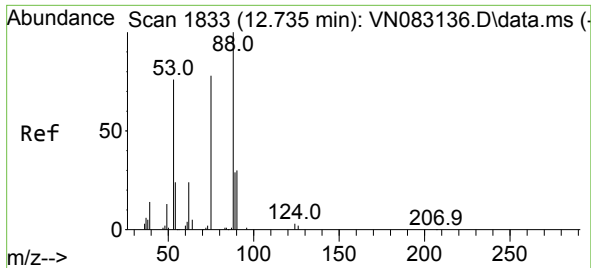
Tgt Ion: 75 Resp: 71558

Ion Ratio Lower Upper

75 100

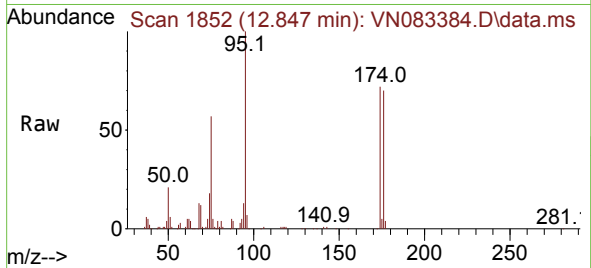
77 1.2 110.9 332.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 57.680 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083384.D
Acq: 19 Aug 2024 19:55

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	75	Resp:	71558
Ion	Ratio	Lower	Upper
75	100		
53	0.0	88.4	132.6#
89	0.0	36.3	54.5#

