

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031924\
 Data File : VN081468.D
 Acq On : 19 Mar 2024 14:10
 Operator : JC\MD
 Sample : P1772-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1351

Quant Time: Mar 20 01:17:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

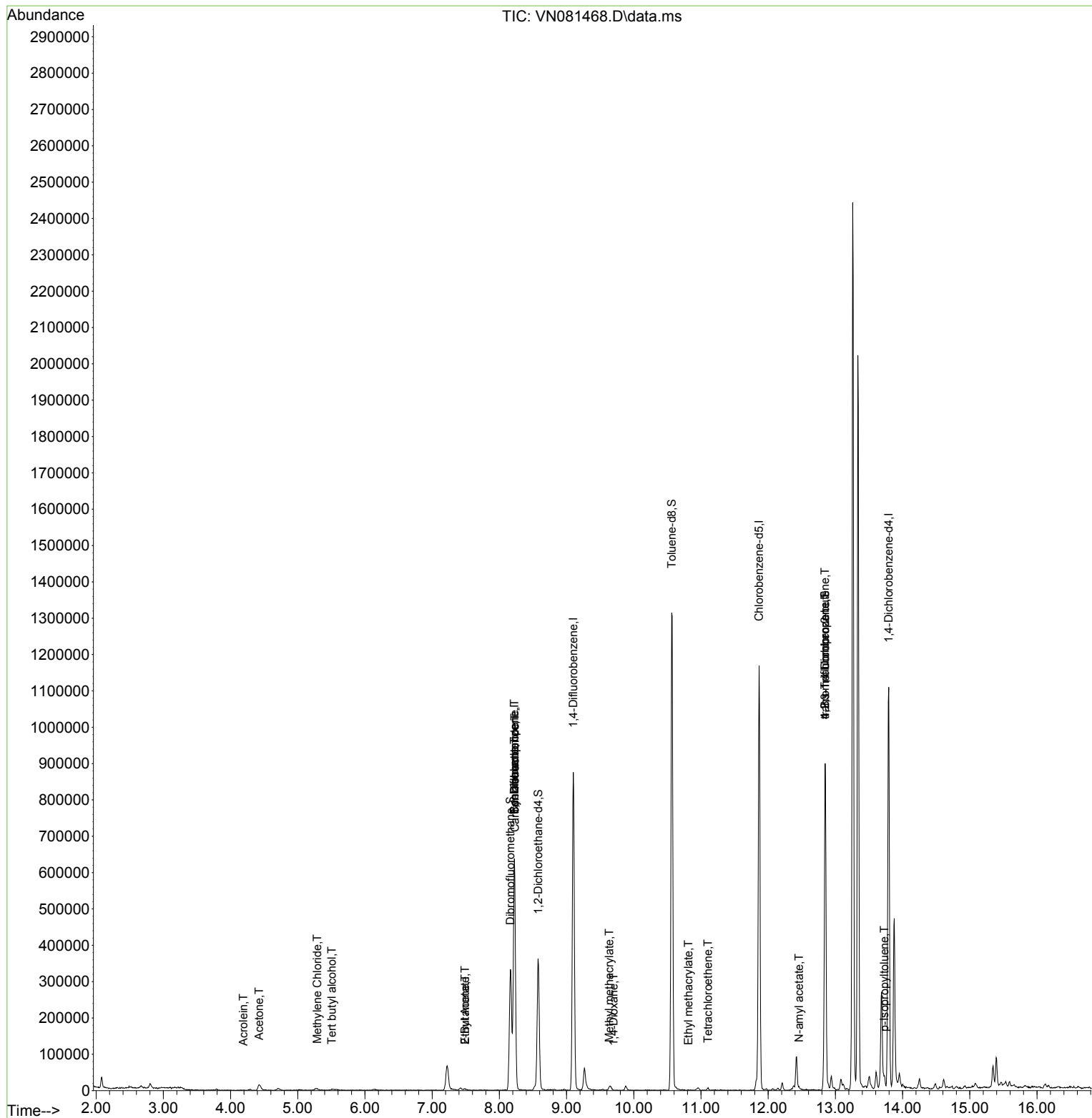
Internal Standards						
1) Pentafluorobenzene	8.224	168	459511	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	778936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	678758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	299514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	290683	49.605	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.200%		
35) Dibromofluoromethane	8.165	113	245220	49.883	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.760%		
50) Toluene-d8	10.565	98	927045	52.168	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.340%		
62) 4-Bromofluorobenzene	12.847	95	297584	47.525	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	95.060%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.506	59	2877	2.817	ug/l	# 80
13) Acrolein	4.189	56	339	0.370	ug/l	# 15
16) Acetone	4.424	43	30258	15.977	ug/l	96
20) Methylene Chloride	5.289	84	2095	0.338	ug/l	# 67
25) 2-Butanone	7.489	43	5545	1.707	ug/l	# 38
31) Cyclohexane	8.224	56	10435	1.094	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	38674	4.675	ug/l	# 43
37) Ethyl Acetate	7.489	43	5545	0.783	ug/l	# 70
38) Carbon Tetrachloride	8.230	117	50385	5.560	ug/l	# 17
48) Methyl methacrylate	9.635	41	3785	0.699	ug/l	# 43
49) 1,4-Dioxane	9.700	88	320	2.459	ug/l	# 18
56) Ethyl methacrylate	10.812	69	110	0.583	ug/l	# 1
64) Tetrachloroethene	11.106	164	1508	0.232	ug/l	# 44
74) N-amyl acetate	12.459	43	3953	0.428	ug/l	# 48
76) 1,2,3-Trichloropropane	12.847	75	157781	22.023	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	157781	59.512	ug/l	# 14
86) p-Isopropyltoluene	13.729	119	14027	0.660	ug/l	87

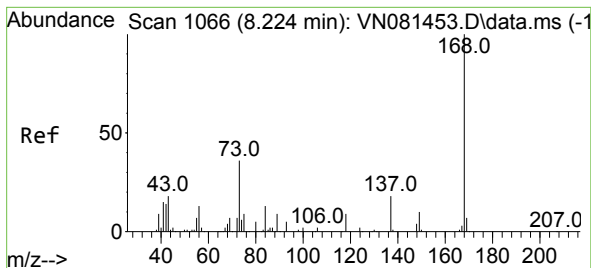
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 20 01:17:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081468.D

Acq: 19 Mar 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :

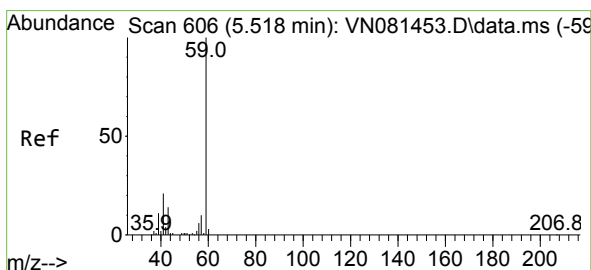
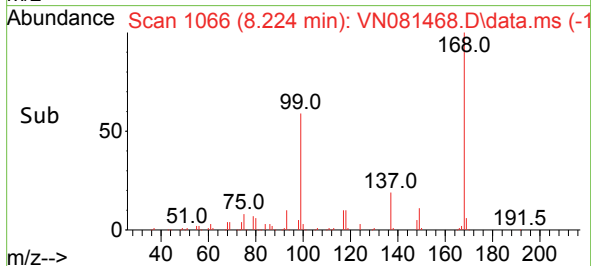
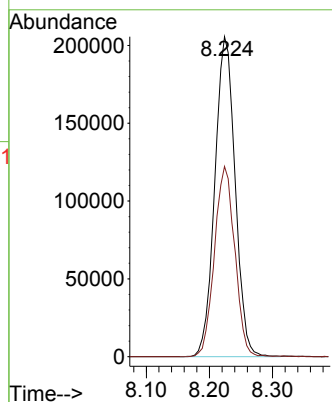
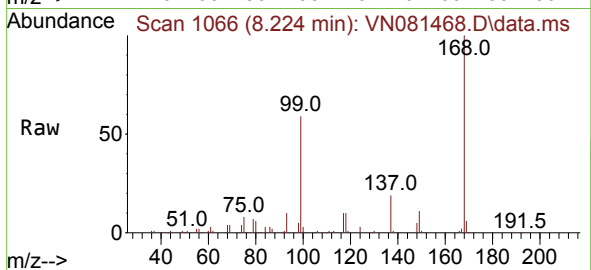
1351

Tgt Ion:168 Resp: 459511

Ion Ratio Lower Upper

168 100

99 59.5 59.9 89.9#



#11

Tert butyl alcohol

Concen: 2.817 ug/l

RT: 5.506 min Scan# 604

Delta R.T. -0.012 min

Lab File: VN081468.D

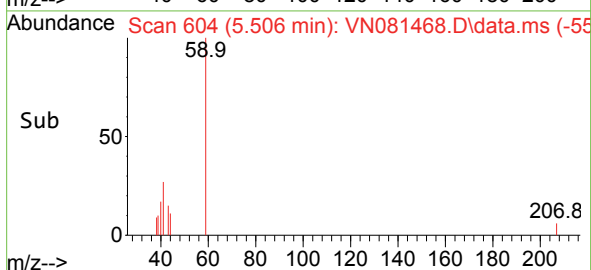
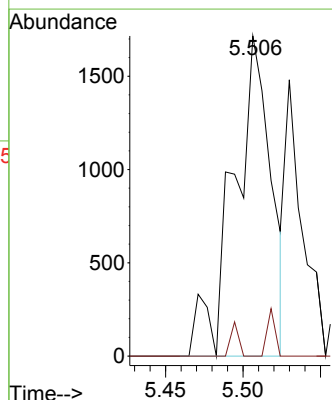
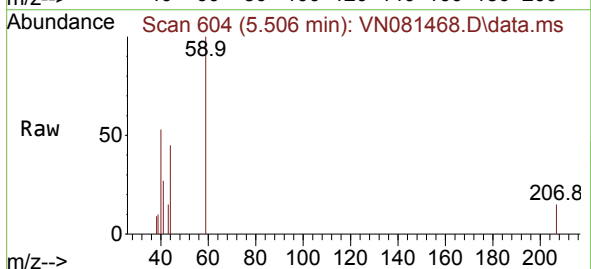
Acq: 19 Mar 2024 14:10

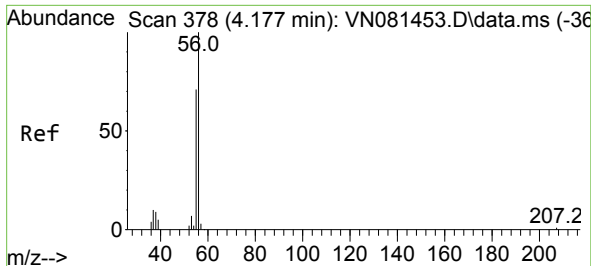
Tgt Ion: 59 Resp: 2877

Ion Ratio Lower Upper

59 100

57 3.1 8.6 12.8#

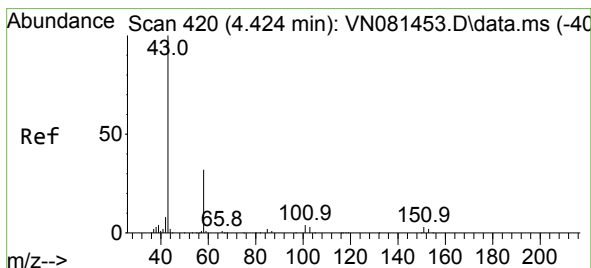
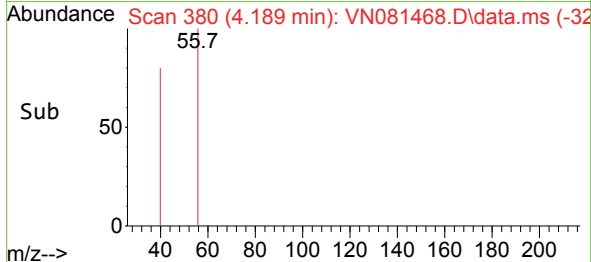
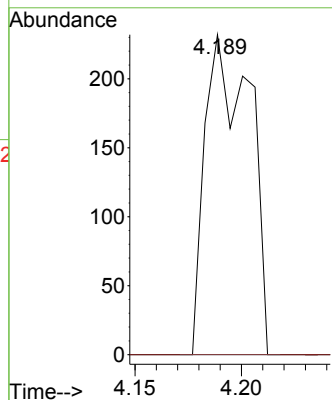
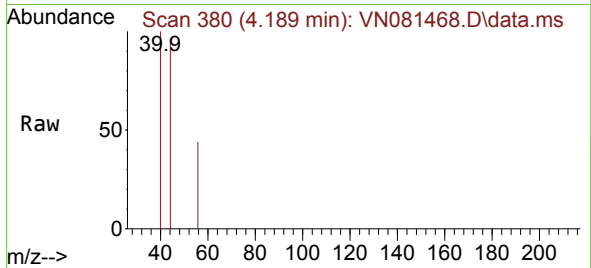




#13
Acrolein
Concen: 0.370 ug/l
RT: 4.189 min Scan# 339
Delta R.T. 0.012 min
Lab File: VN081468.D
Acq: 19 Mar 2024 14:10

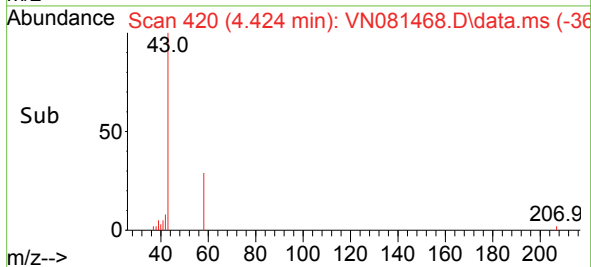
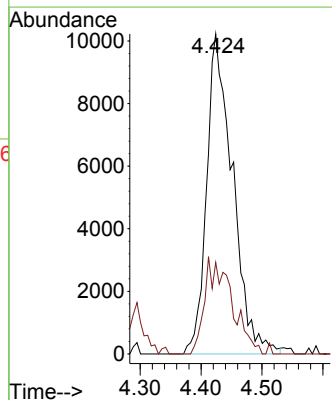
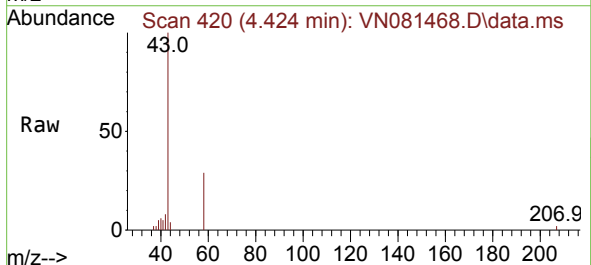
Instrument :
MSVOA_N
ClientSampleId :
1351

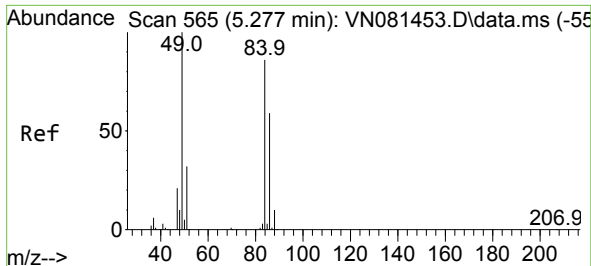
Tgt Ion: 56 Resp: 339
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 15.977 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN081468.D
Acq: 19 Mar 2024 14:10

Tgt Ion: 43 Resp: 30258
Ion Ratio Lower Upper
43 100
58 28.6 24.8 37.2

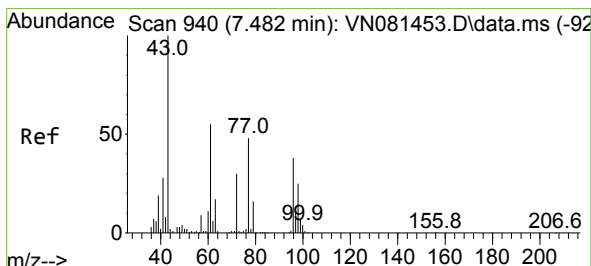
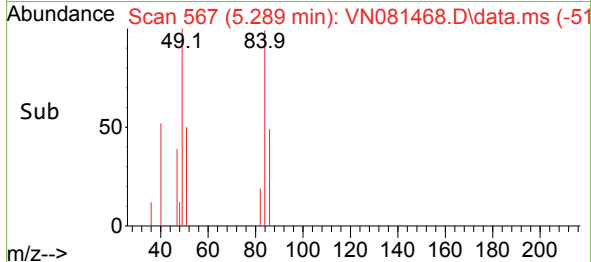
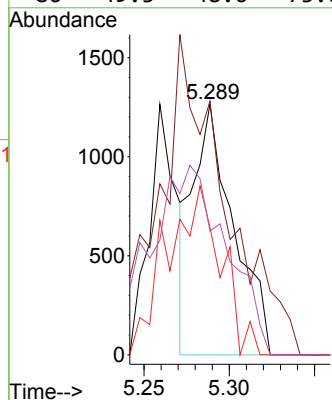
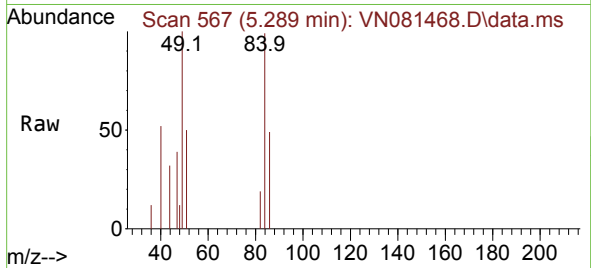




#20
Methylene Chloride
Concen: 0.338 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081468.D
Acq: 19 Mar 2024 14:10

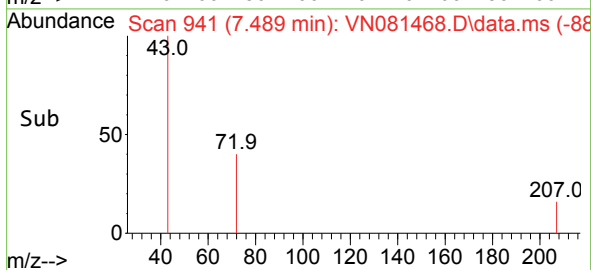
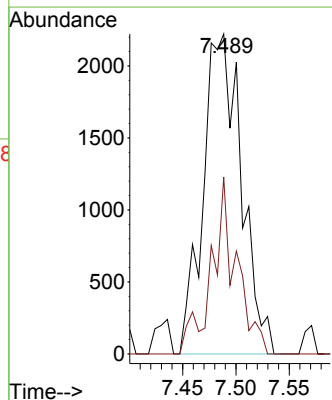
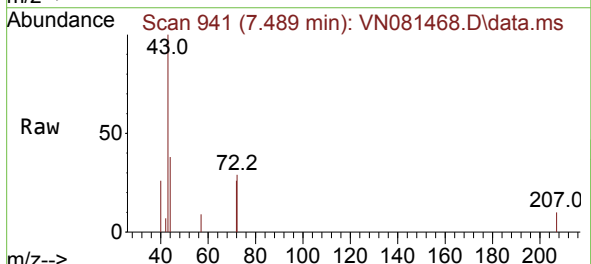
Instrument :
MSVOA_N
ClientSampleId :
1351

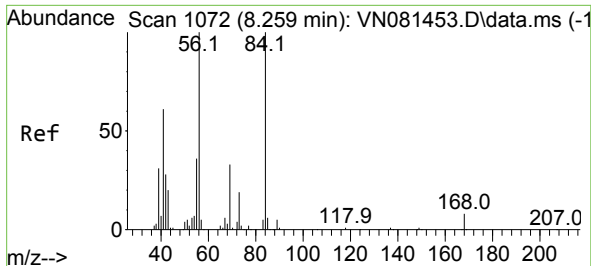
Tgt Ion:	84	Resp:	2095
Ion	Ratio	Lower	Upper
84	100		
49	80.0	108.1	162.1#
51	50.9	32.9	49.3#
86	49.3	48.6	73.0



#25
2-Butanone
Concen: 1.707 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081468.D
Acq: 19 Mar 2024 14:10

Tgt Ion:	43	Resp:	5545
Ion	Ratio	Lower	Upper
43	100		
72	55.3	19.5	29.3#

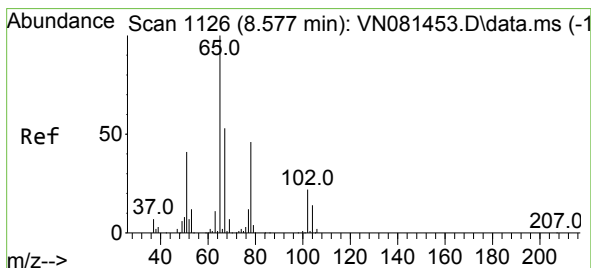
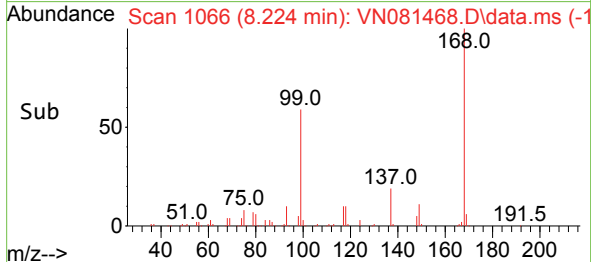
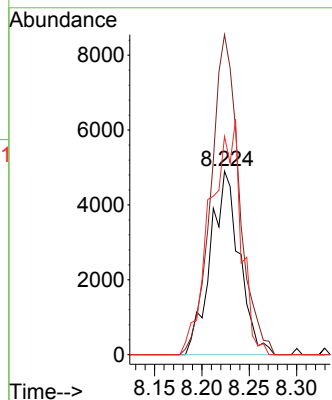
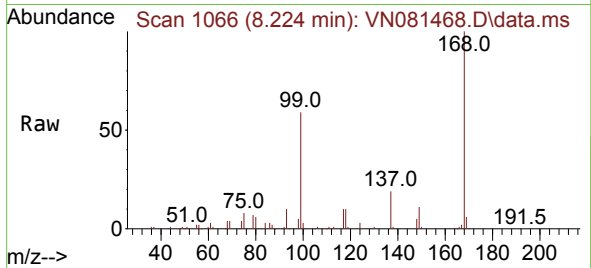




#31
Cyclohexane
Concen: 1.094 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081468.D
Acq: 19 Mar 2024 14:10

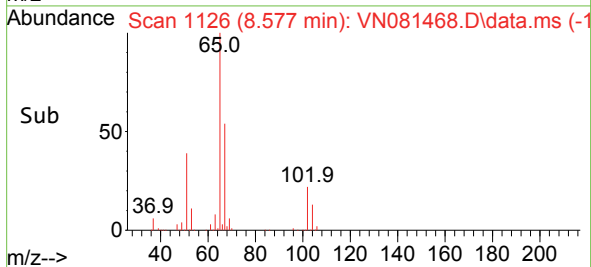
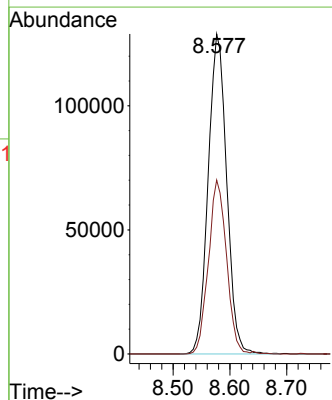
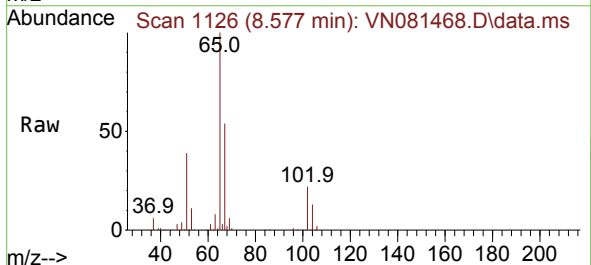
Instrument :
MSVOA_N
ClientSampleId :
1351

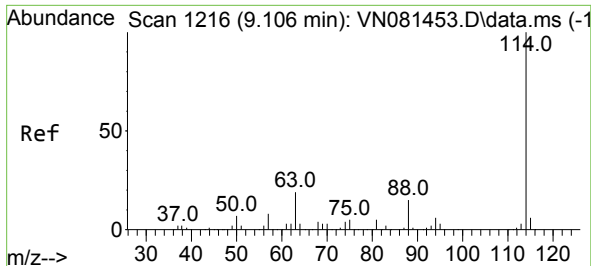
Tgt Ion: 56 Resp: 10435
Ion Ratio Lower Upper
56 100
69 174.4 20.1 30.1#
84 118.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 49.605 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081468.D
Acq: 19 Mar 2024 14:10

Tgt Ion: 65 Resp: 290683
Ion Ratio Lower Upper
65 100
67 53.4 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081468.D

Acq: 19 Mar 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :

1351

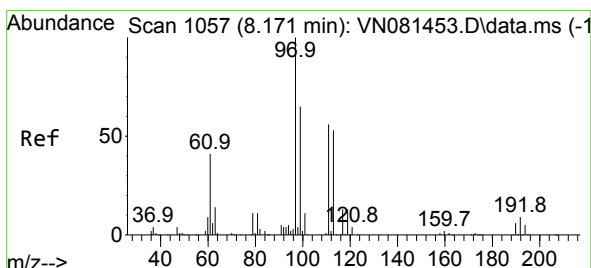
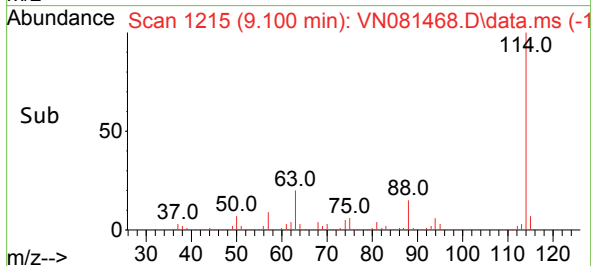
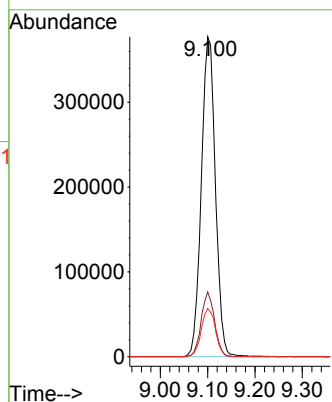
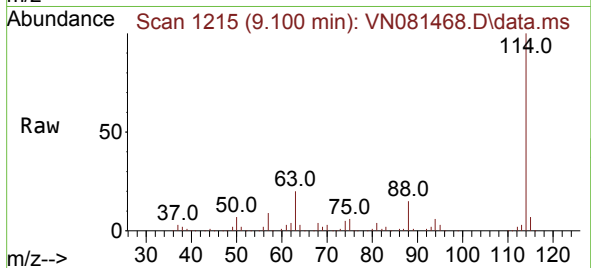
Tgt Ion:114 Resp: 778936

Ion Ratio Lower Upper

114 100

63 20.3 0.0 48.0

88 15.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.883 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081468.D

Acq: 19 Mar 2024 14:10

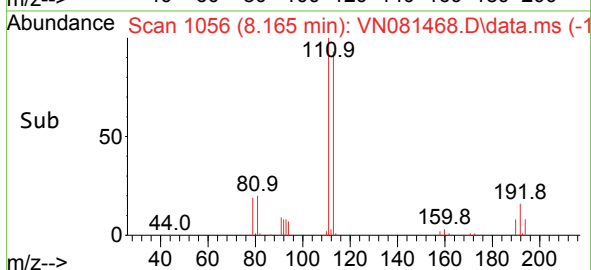
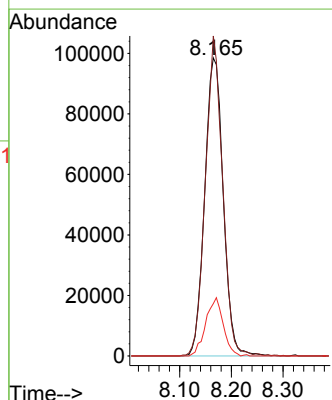
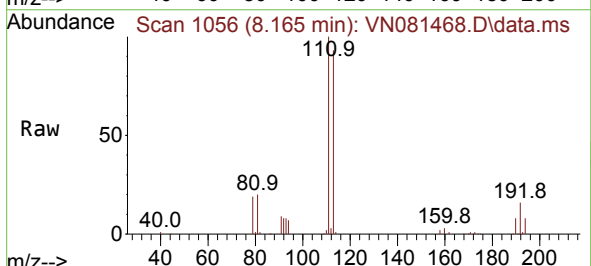
Tgt Ion:113 Resp: 245220

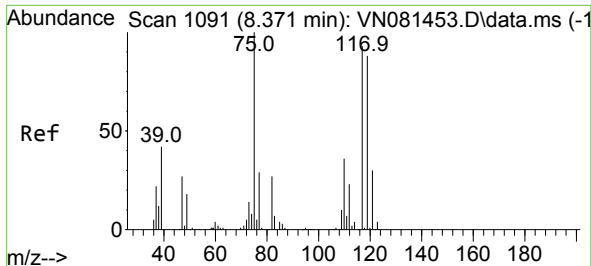
Ion Ratio Lower Upper

113 100

111 100.0 82.2 123.4

192 18.6 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.675 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081468.D

Acq: 19 Mar 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :

1351

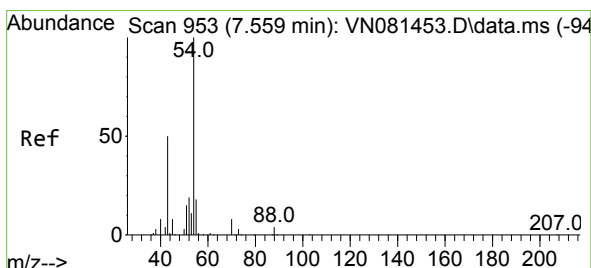
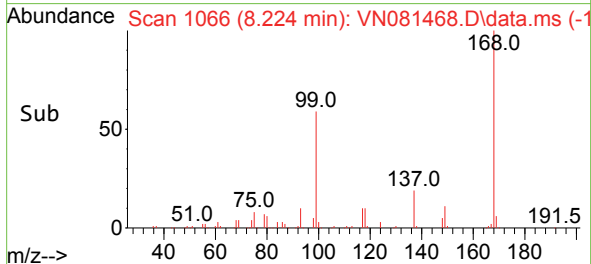
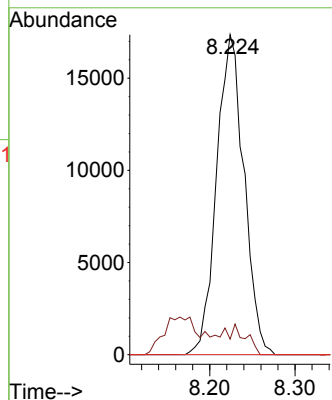
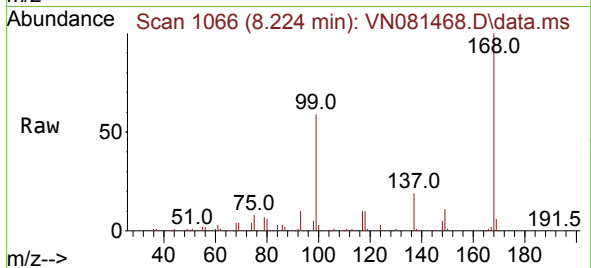
Tgt Ion: 75 Resp: 38674

Ion Ratio Lower Upper

75 100

110 0.6 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 0.783 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.070 min

Lab File: VN081468.D

Acq: 19 Mar 2024 14:10

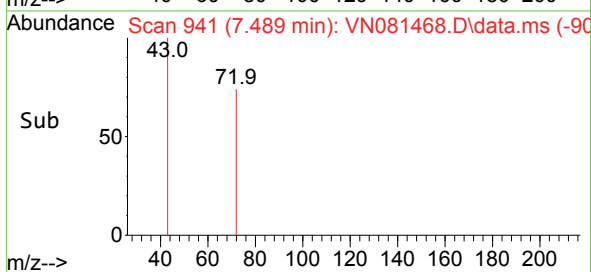
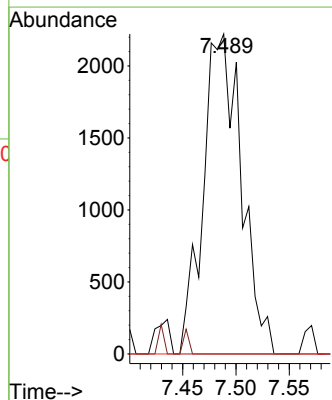
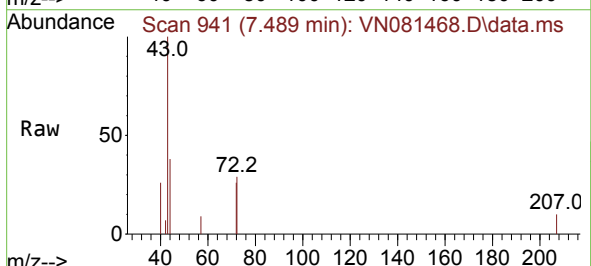
Tgt Ion: 43 Resp: 5545

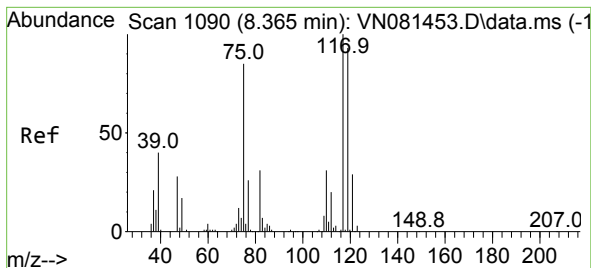
Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 0.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 5.560 ug/l

RT: 8.230 min Scan# 117

Delta R.T. -0.135 min

Lab File: VN081468.D

Acq: 19 Mar 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :

1351

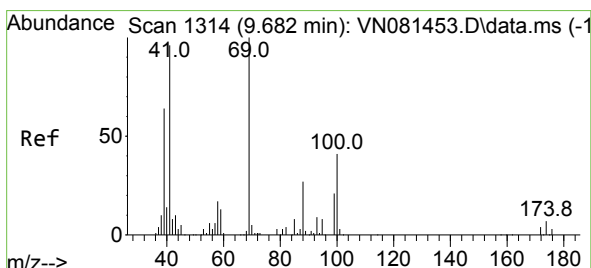
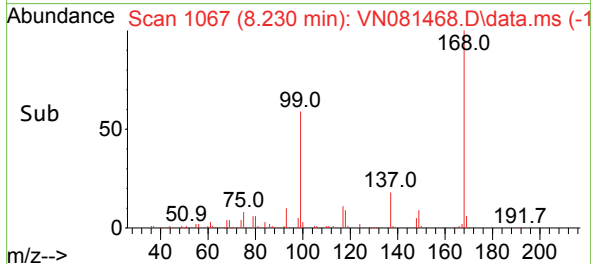
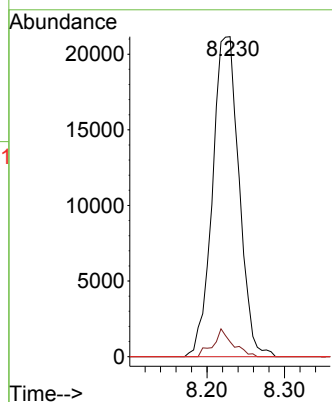
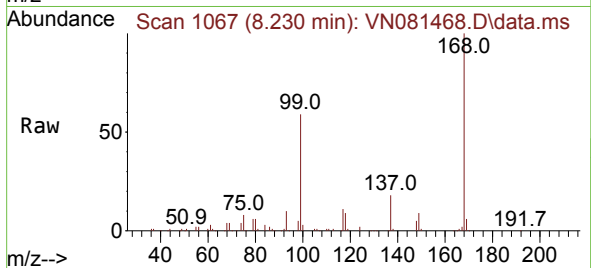
Tgt Ion:117 Resp: 50385

Ion Ratio Lower Upper

117 100

119 4.7 73.4 110.2#

121 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 0.699 ug/l

RT: 9.635 min Scan# 1306

Delta R.T. -0.047 min

Lab File: VN081468.D

Acq: 19 Mar 2024 14:10

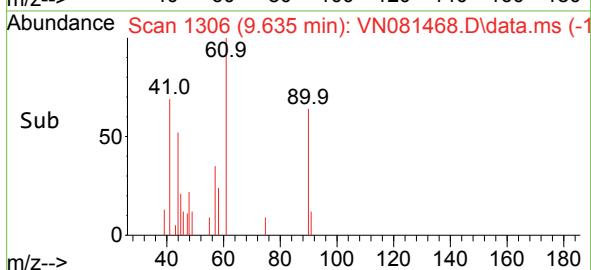
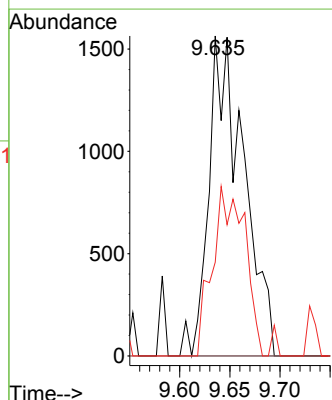
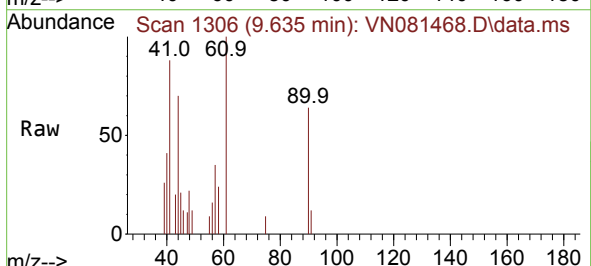
Tgt Ion: 41 Resp: 3785

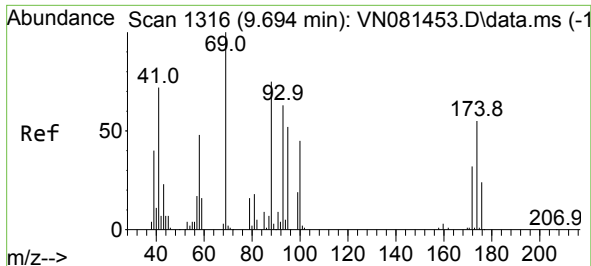
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 49.3 47.6 71.4





#49

1,4-Dioxane

Concen: 2.459 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081468.D

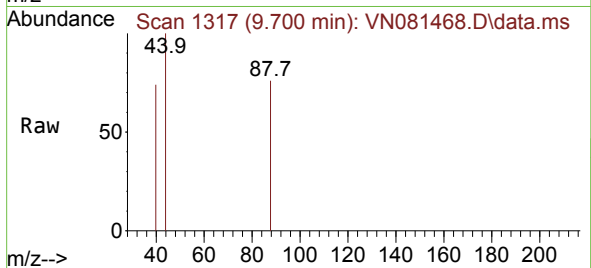
Acq: 19 Mar 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :

1351



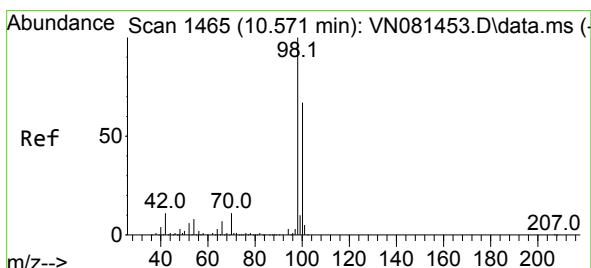
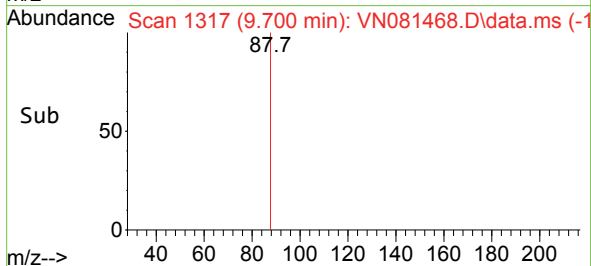
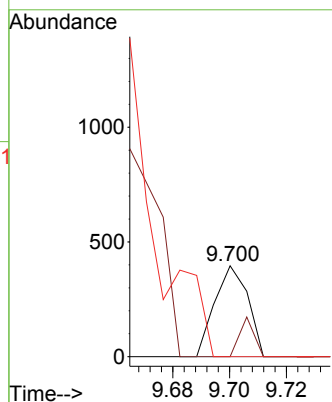
Tgt Ion: 88 Resp: 320

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 52.168 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN081468.D

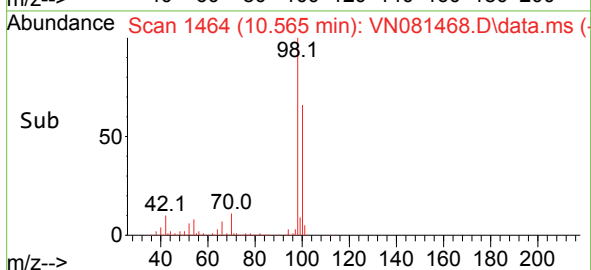
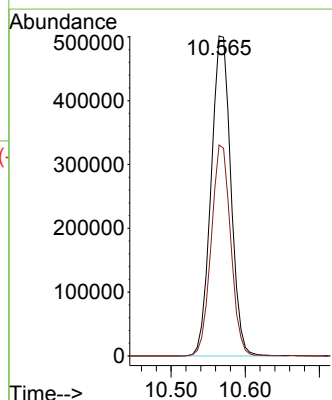
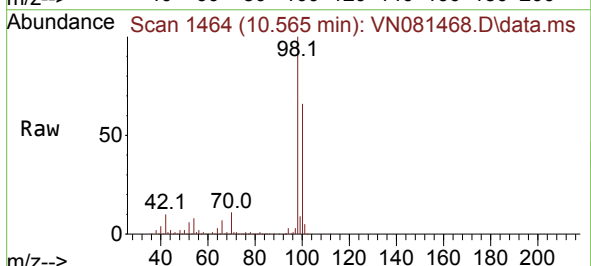
Acq: 19 Mar 2024 14:10

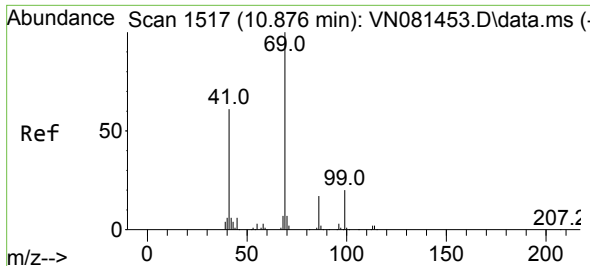
Tgt Ion: 98 Resp: 927045

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0

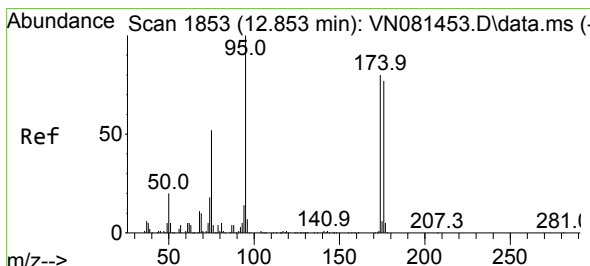
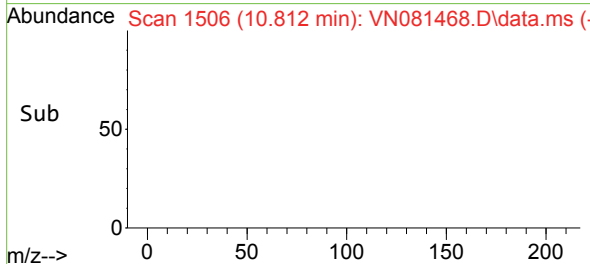
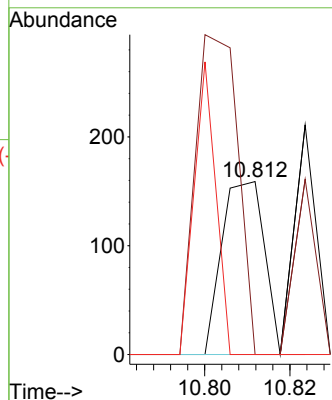
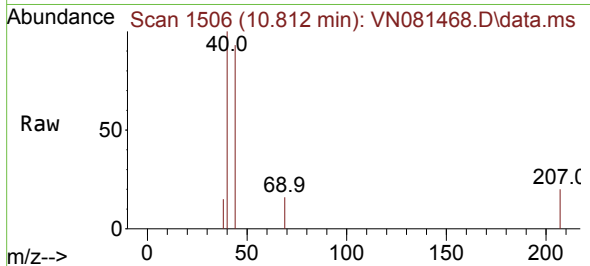




#56
Ethyl methacrylate
Concen: 0.583 ug/l
RT: 10.812 min Scan# 110
Delta R.T. -0.064 min
Lab File: VN081468.D
Acq: 19 Mar 2024 14:10

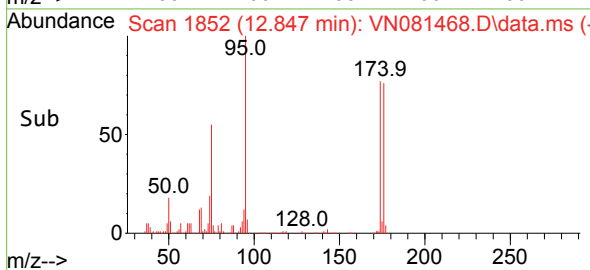
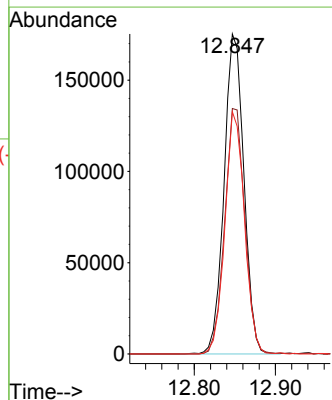
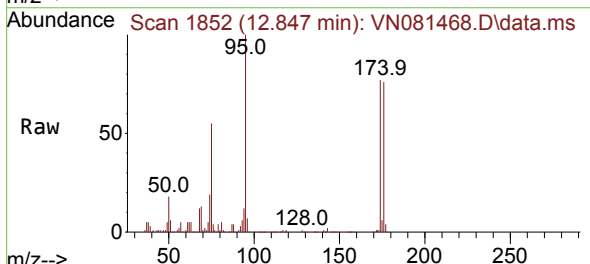
Instrument :
MSVOA_N
ClientSampleId :
1351

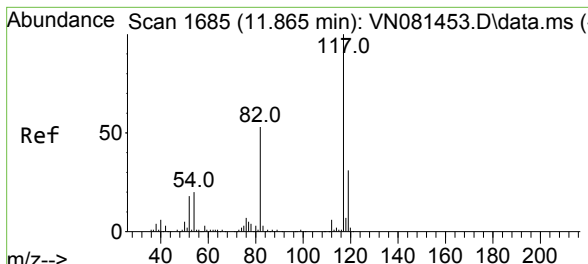
Tgt Ion:	69	Resp:	110
Ion	Ratio	Lower	Upper
69	100		
41	184.5	61.0	91.6#
39	86.4	31.8	47.6#



#62
4-Bromofluorobenzene
Concen: 47.525 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081468.D
Acq: 19 Mar 2024 14:10

Tgt Ion:	95	Resp:	297584
Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	120.4
176	74.8	0.0	121.0

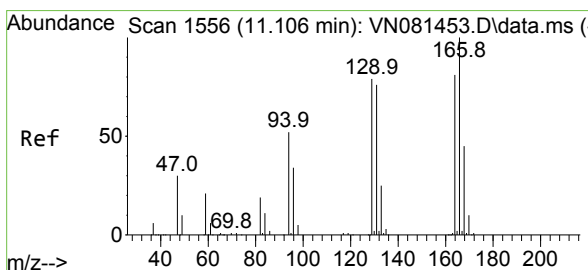
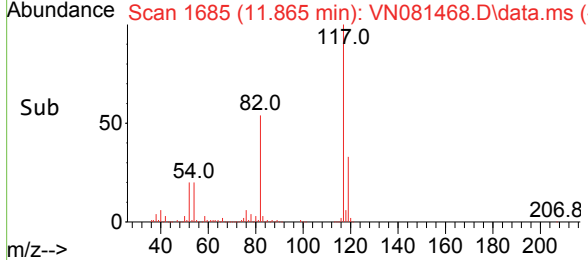
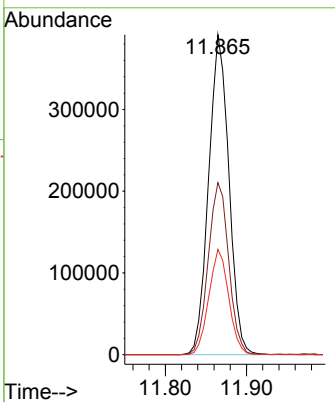
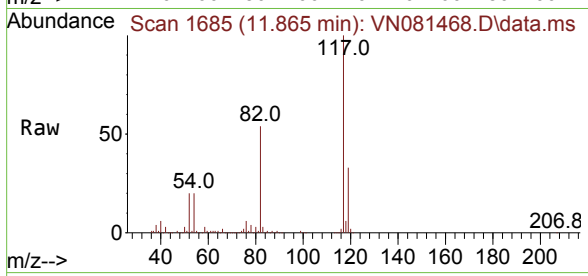




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN081468.D
Acq: 19 Mar 2024 14:10

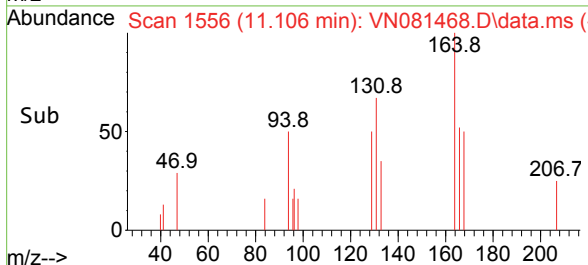
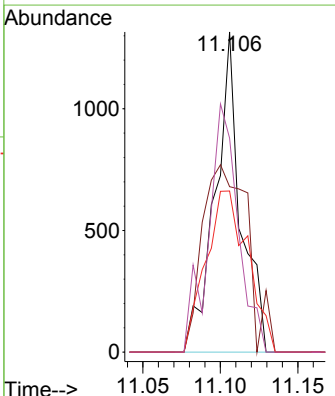
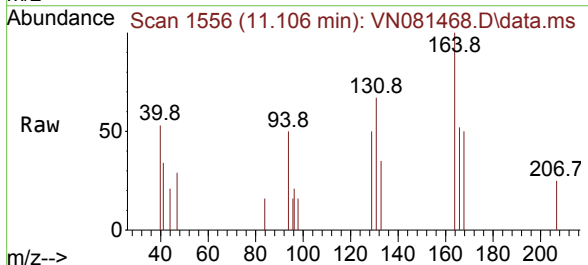
Instrument :
MSVOA_N
ClientSampleId :
1351

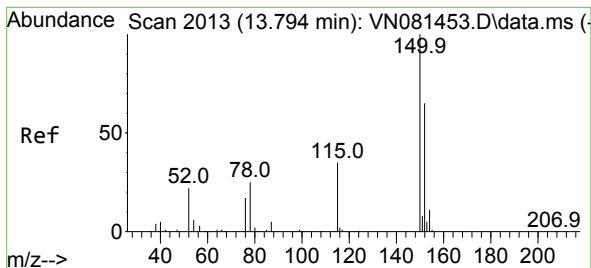
Tgt Ion:	117	Resp:	678758
Ion	Ratio	Lower	Upper
117	100		
82	53.7	52.7	79.1
119	32.9	25.3	37.9



#64
Tetrachloroethene
Concen: 0.232 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN081468.D
Acq: 19 Mar 2024 14:10

Tgt Ion:	164	Resp:	1508
Ion	Ratio	Lower	Upper
164	100		
166	51.7	105.8	158.6#
129	50.3	89.6	134.4#
131	66.8	84.9	127.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081468.D

Acq: 19 Mar 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :

1351

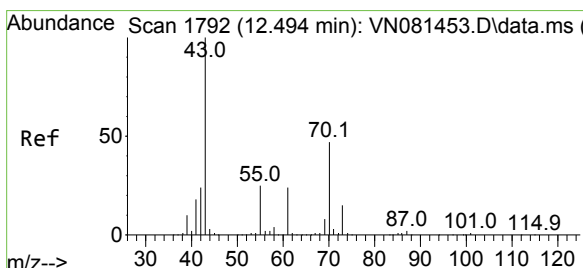
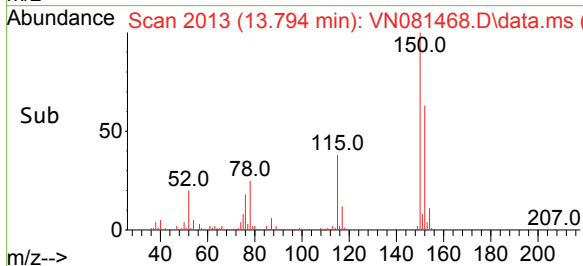
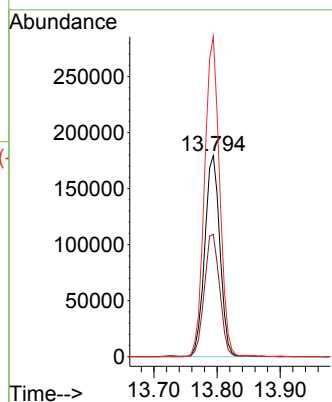
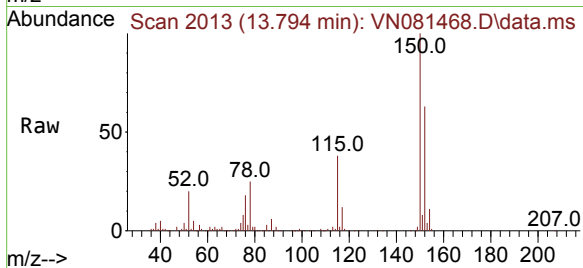
Tgt Ion:152 Resp: 299514

Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 158.3 0.0 339.8



#74

N-ethyl acetate

Concen: 0.428 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.035 min

Lab File: VN081468.D

Acq: 19 Mar 2024 14:10

Tgt Ion: 43 Resp: 3953

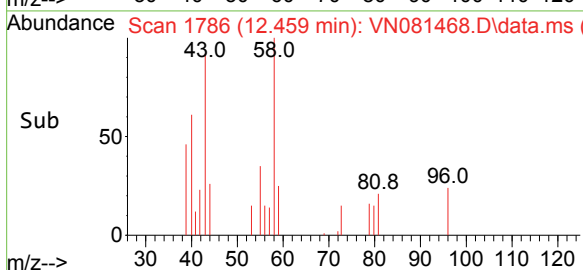
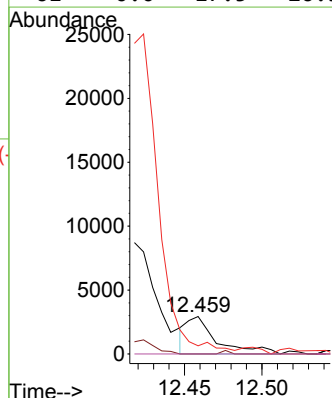
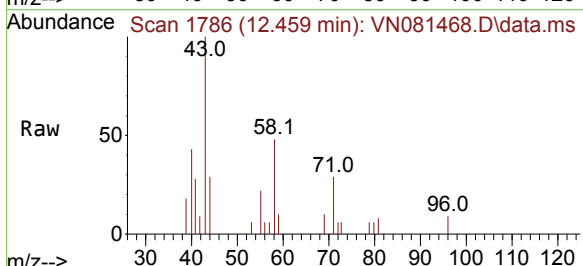
Ion Ratio Lower Upper

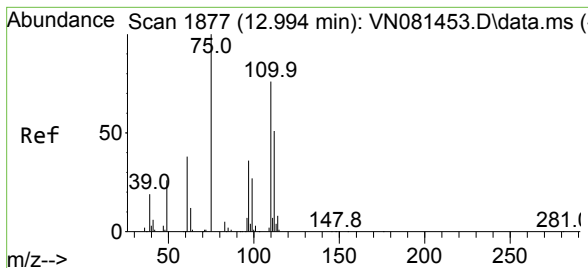
43 100

70 2.5 30.1 45.1#

55 0.0 17.0 25.4#

61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 22.023 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081468.D

Acq: 19 Mar 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :

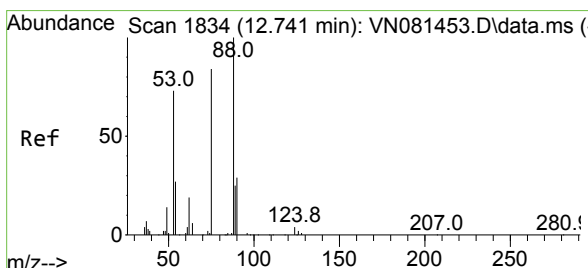
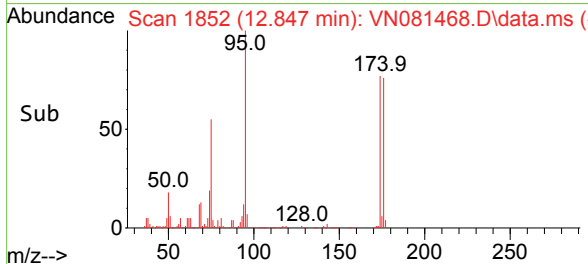
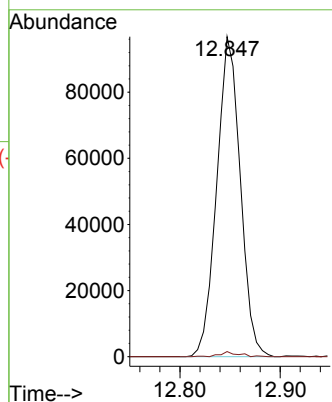
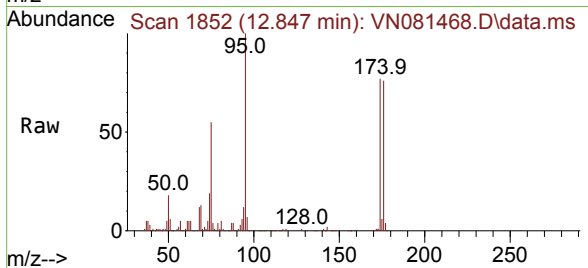
1351

Tgt Ion: 75 Resp: 157781

Ion Ratio Lower Upper

75 100

77 1.3 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.512 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN081468.D

Acq: 19 Mar 2024 14:10

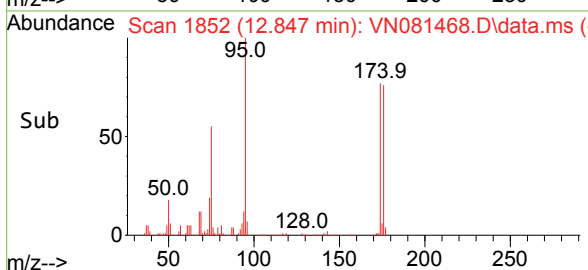
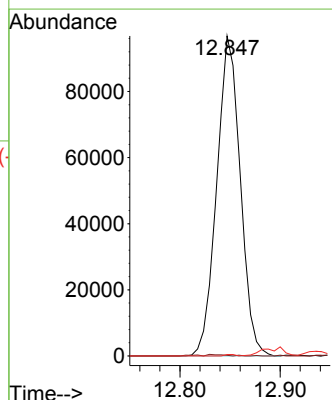
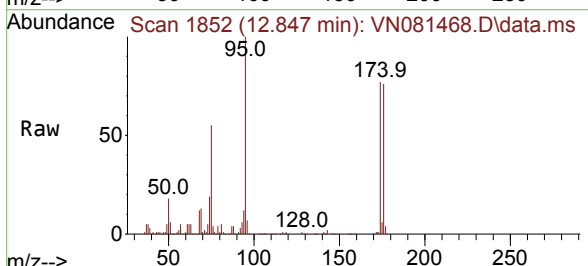
Tgt Ion: 75 Resp: 157781

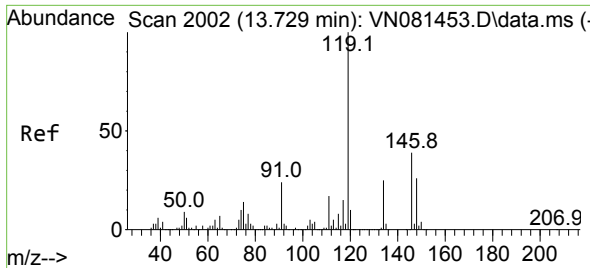
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

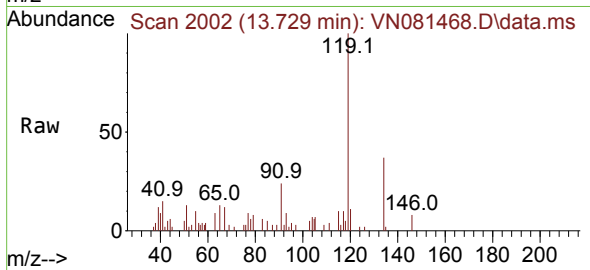
89 0.2 33.4 50.0#





#86
 p-Isopropyltoluene
 Concen: 0.660 ug/l
 RT: 13.729 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN081468.D
 Acq: 19 Mar 2024 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 1351



Tgt Ion:	119	Resp:	14027
Ion	Ratio	Lower	Upper
119	100		
134	31.1	12.4	37.2
91	33.6	13.5	40.4

