

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041824\
 Data File : VN081783.D
 Acq On : 18 Apr 2024 13:30
 Operator : JC\MD
 Sample : P2151-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 01:21:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 15:37:39 2024
 Response via : Initial Calibration

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

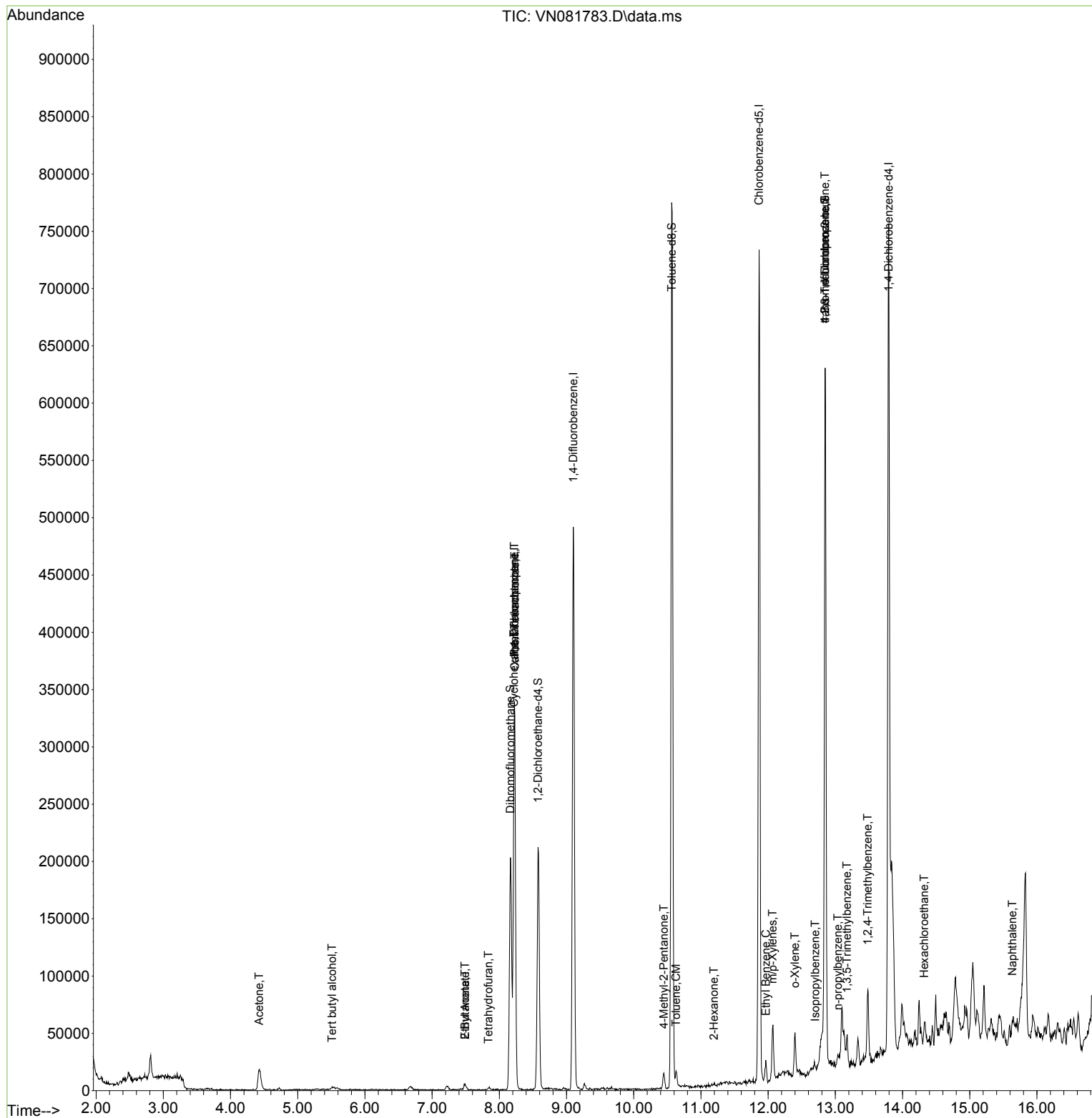
Internal Standards						
1) Pentafluorobenzene	8.224	168	235111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	426292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	417484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	186813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	176736	53.420	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.840%			
35) Dibromofluoromethane	8.165	113	141317	50.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.400%			
50) Toluene-d8	10.565	98	540006	52.072	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.140%			
62) 4-Bromofluorobenzene	12.847	95	198617	56.046	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 112.100%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	809	Below Cal		89
6) Chloroethane	3.130	64	39	Below Cal	#	44
11) Tert butyl alcohol	5.512	59	2518	5.579 ug/l	#	88
16) Acetone	4.424	43	35750	38.825 ug/l		95
20) Methylene Chloride	5.271	84	377	Below Cal	#	29
25) 2-Butanone	7.489	43	7681	5.060 ug/l		95
29) Tetrahydrofuran	7.836	42	508	0.517 ug/l	#	1
31) Cyclohexane	8.218	56	5827	1.284 ug/l	#	22
36) 1,1-Dichloropropene	8.224	75	21048	5.367 ug/l	#	51
37) Ethyl Acetate	7.489	43	7681	2.383 ug/l	#	68
38) Carbon Tetrachloride	8.230	117	27043	5.927 ug/l	#	16
51) 4-Methyl-2-Pentanone	10.447	43	9127	2.729 ug/l		95
52) Toluene	10.630	92	5111	0.659 ug/l		92
59) 2-Hexanone	11.194	43	1043	0.431 ug/l	#	60
67) Ethyl Benzene	11.965	91	11004	0.728 ug/l	#	85
68) m/p-Xylenes	12.065	106	15140	2.575 ug/l		98
69) o-Xylene	12.400	106	9688	1.719 ug/l		89
73) Isopropylbenzene	12.700	105	3349	0.239 ug/l		87
76) 1,2,3-Trichloropropane	12.847	75	109764	30.850 ug/l	#	1
78) n-propylbenzene	13.035	91	6311	0.388 ug/l		85
80) 1,3,5-Trimethylbenzene	13.171	105	11391	0.995 ug/l		90
81) trans-1,4-Dichloro-2-b...	12.847	75	109764	71.893 ug/l	#	13
84) 1,2,4-Trimethylbenzene	13.482	105	34266	2.969 ug/l		99
90) Hexachloroethane	14.323	117	1029	0.422 ug/l	#	17
92) 1,2-Dibromo-3-Chloropr...	14.735	75	84	Below Cal	#	1
95) Naphthalene	15.635	128	10240	0.942 ug/l	#	85

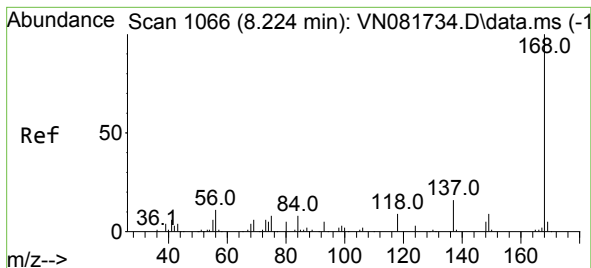
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 15 15:37:39 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

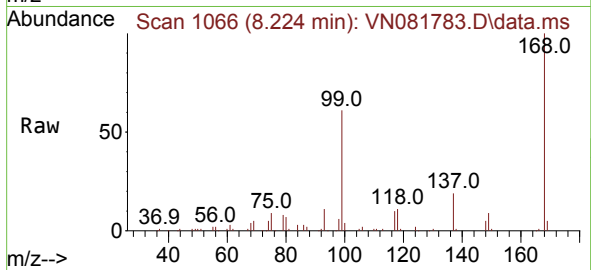
Lab File: VN081783.D

Acq: 18 Apr 2024 13:30

Instrument :

MSVOA_N

ClientSampleId :

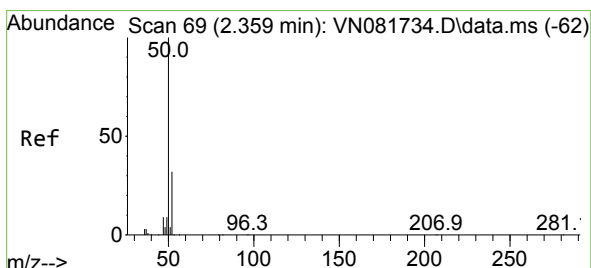
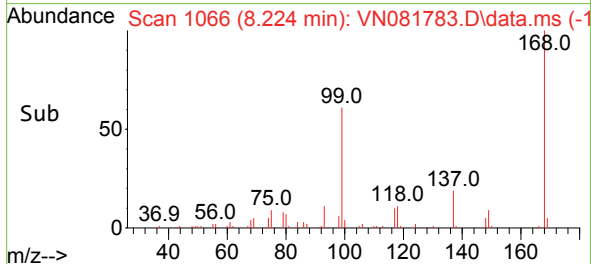
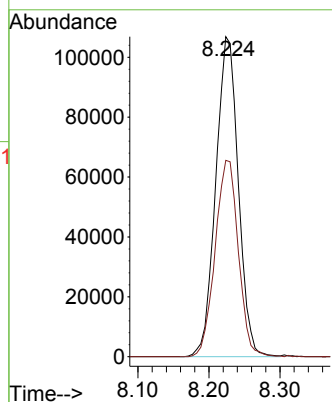


Tgt Ion:168 Resp: 235111

Ion Ratio Lower Upper

168 100

99 61.4 48.2 72.4



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN081783.D

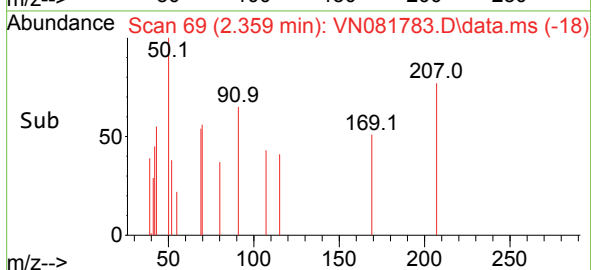
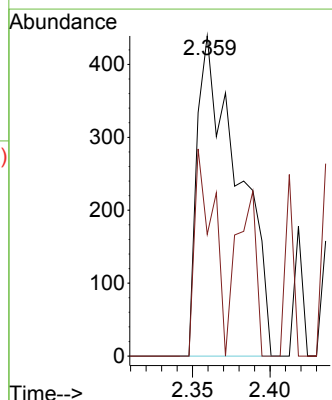
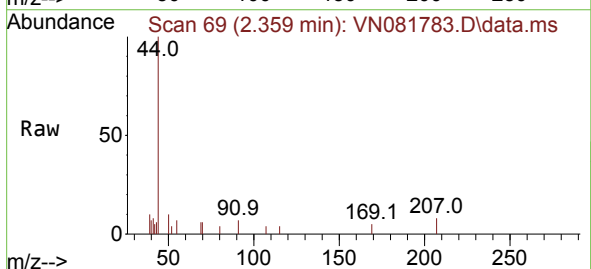
Acq: 18 Apr 2024 13:30

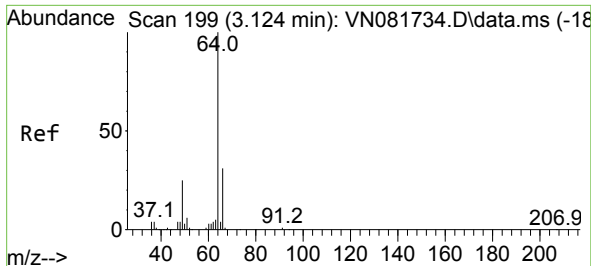
Tgt Ion: 50 Resp: 809

Ion Ratio Lower Upper

50 100

52 38.0 25.5 38.3

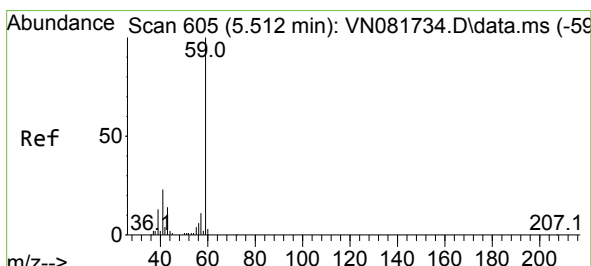
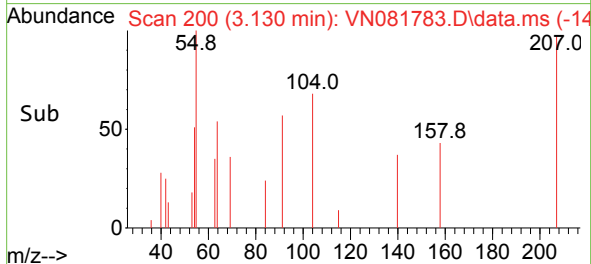
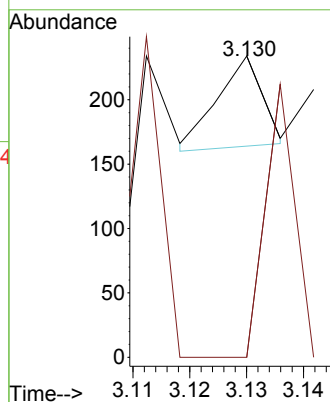
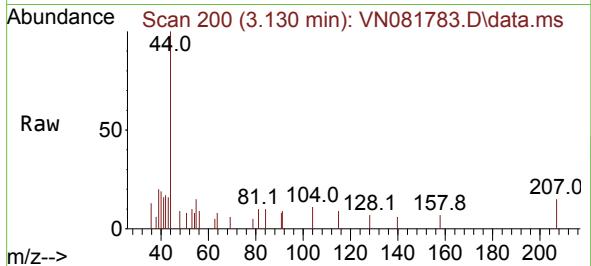




#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

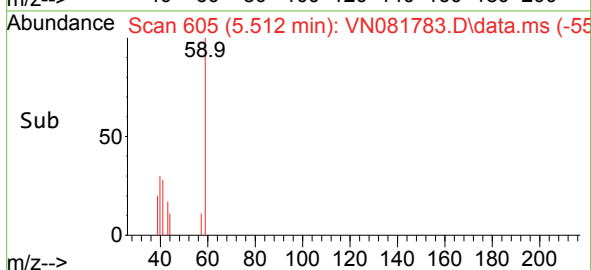
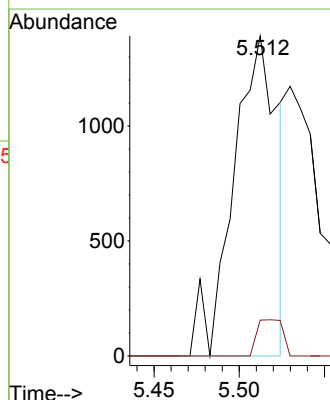
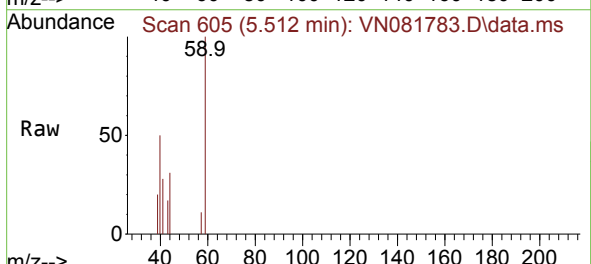
Instrument :
MSVOA_N
ClientSampleId :

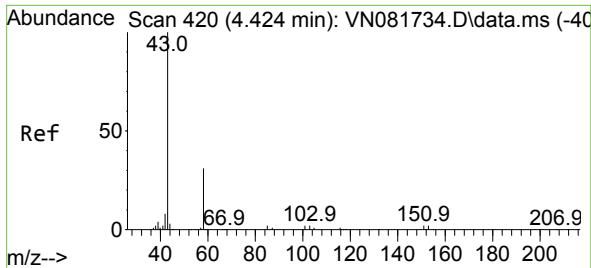
Tgt Ion: 64 Resp: 39
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 5.579 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

Tgt Ion: 59 Resp: 2518
Ion Ratio Lower Upper
59 100
57 6.6 8.9 13.3#





#16

Acetone

Concen: 38.825 ug/l

RT: 4.424 min Scan# 43

Delta R.T. 0.000 min

Lab File: VN081783.D

Acq: 18 Apr 2024 13:30

Instrument :

MSVOA_N

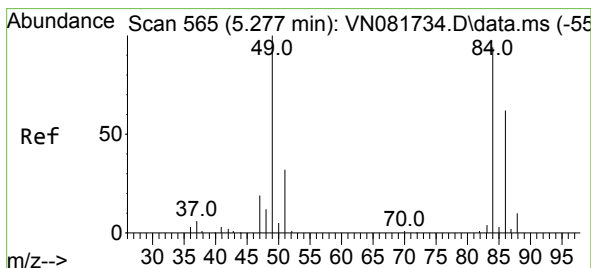
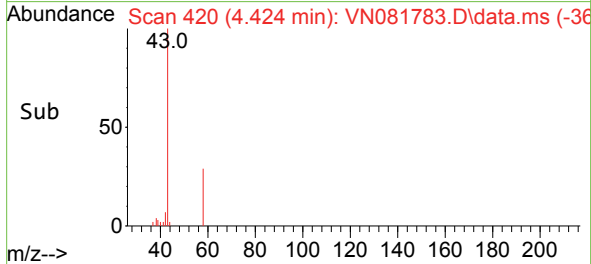
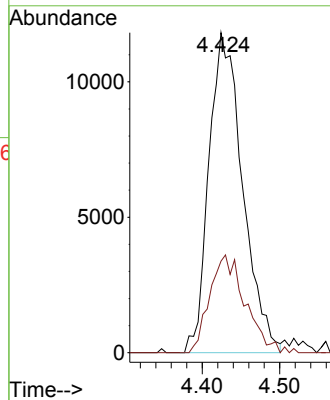
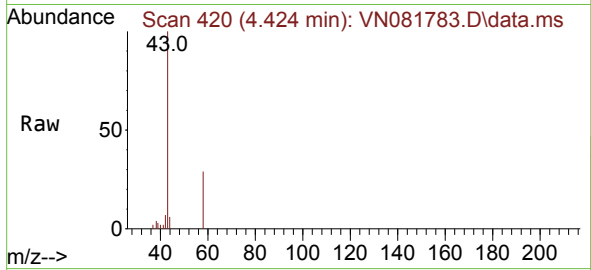
ClientSampleId :

Tgt Ion: 43 Resp: 35750

Ion Ratio Lower Upper

43 100

58 28.6 25.2 37.8



#20

Methylene Chloride

Concen: Below Cal

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN081783.D

Acq: 18 Apr 2024 13:30

Tgt Ion: 84 Resp: 377

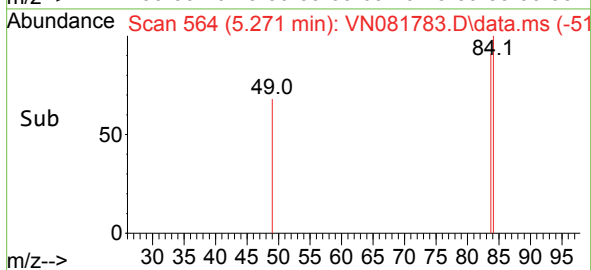
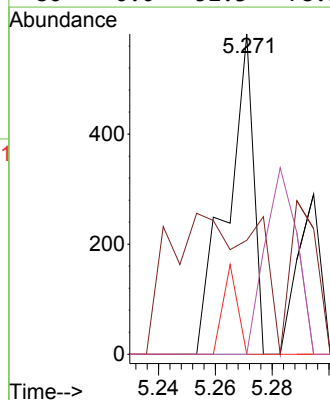
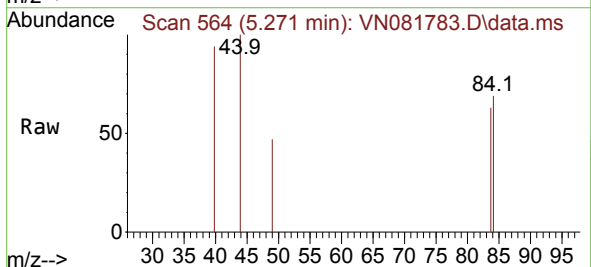
Ion Ratio Lower Upper

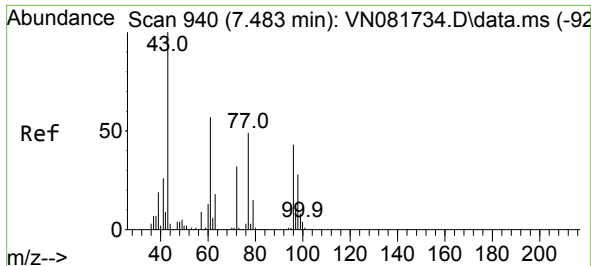
84 100

49 35.6 84.9 127.3#

51 0.0 27.0 40.6#

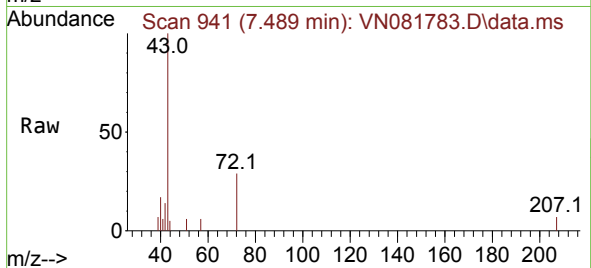
86 0.0 52.3 78.5#



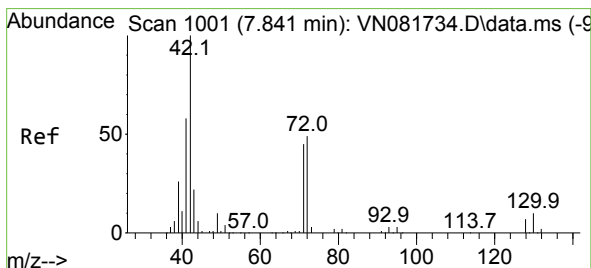
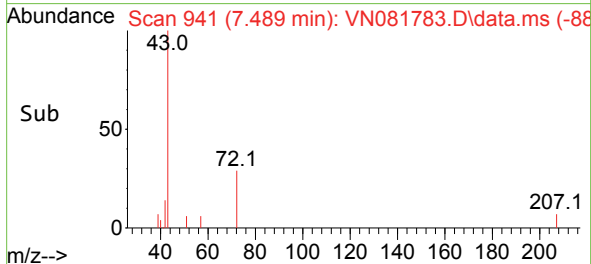
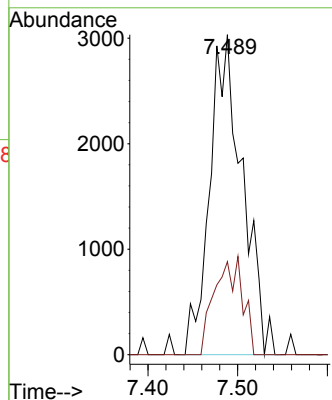


#25
2-Butanone
Concen: 5.060 ug/l
RT: 7.489 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

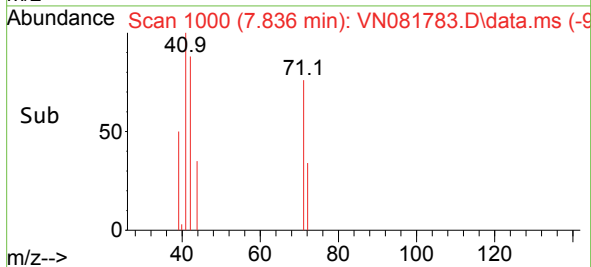
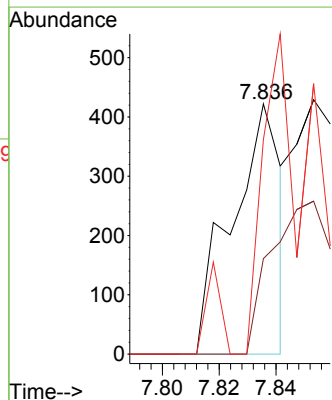
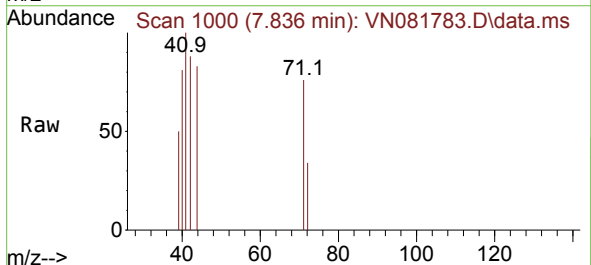


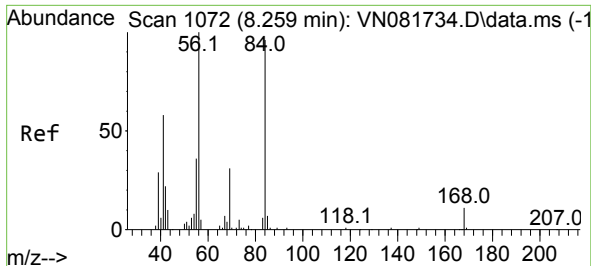
Tgt Ion: 43 Resp: 7681
Ion Ratio Lower Upper
43 100
72 29.0 25.3 37.9



#29
Tetrahydrofuran
Concen: 0.517 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. -0.005 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

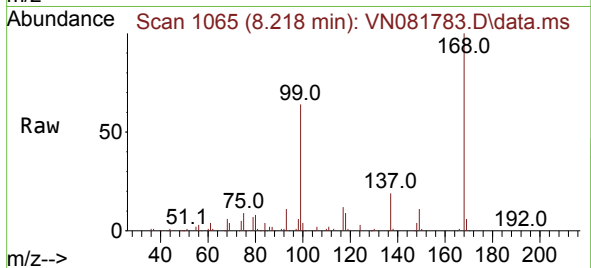
Tgt Ion: 42 Resp: 508
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 131.9 37.4 56.0#



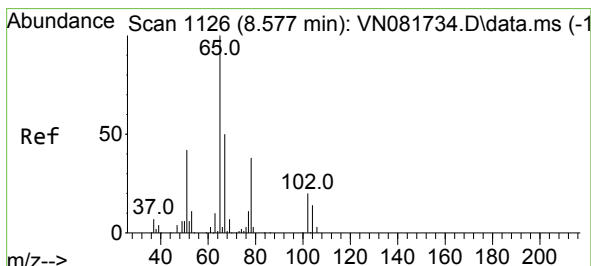
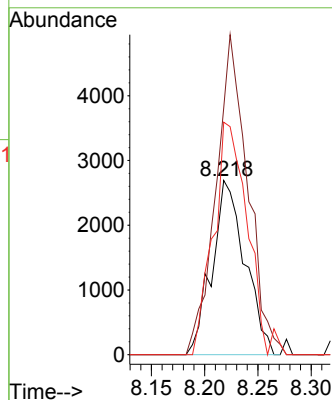
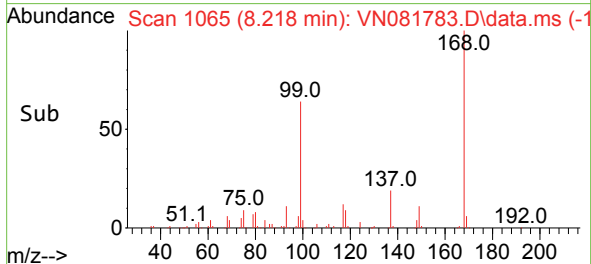


#31
Cyclohexane
Concen: 1.284 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

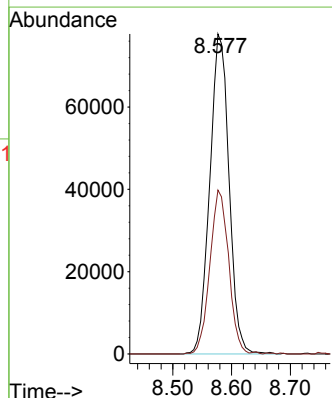
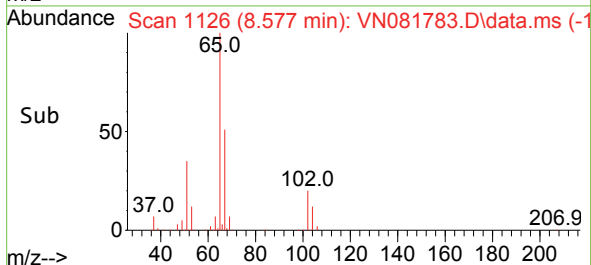
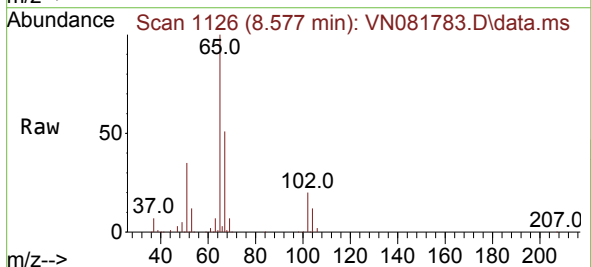


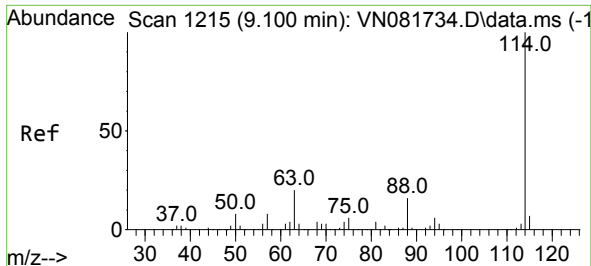
Tgt Ion: 56 Resp: 5827
Ion Ratio Lower Upper
56 100
69 141.6 24.4 36.6#
84 133.4 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 53.420 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

Tgt Ion: 65 Resp: 176736
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081783.D

Acq: 18 Apr 2024 13:30

Instrument :

MSVOA_N

ClientSampleId :

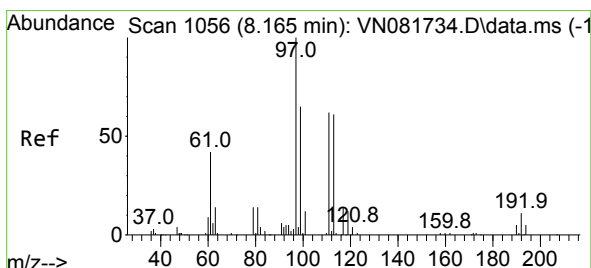
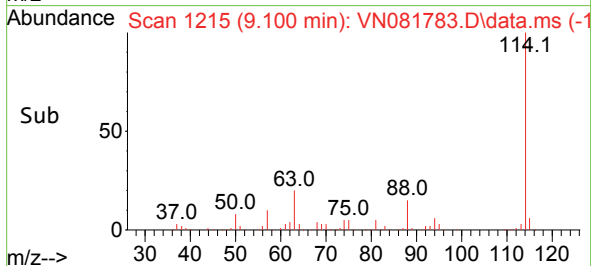
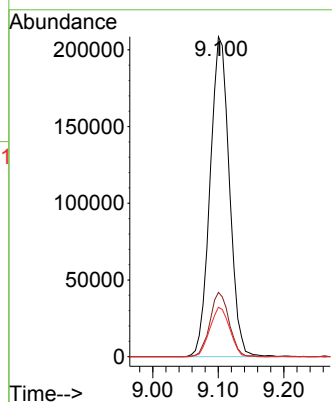
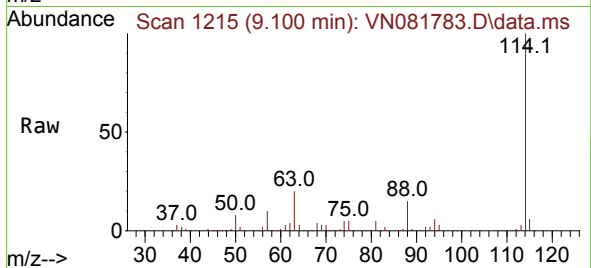
Tgt Ion:114 Resp: 426292

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.0

88 15.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.201 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081783.D

Acq: 18 Apr 2024 13:30

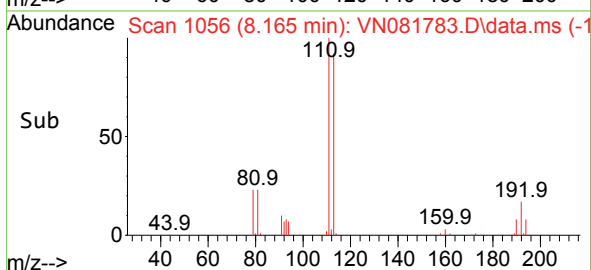
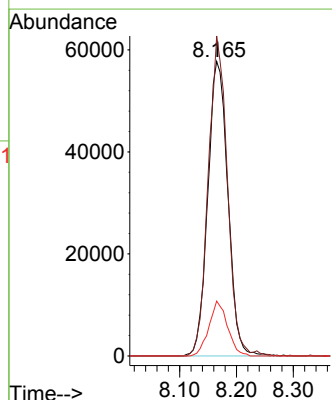
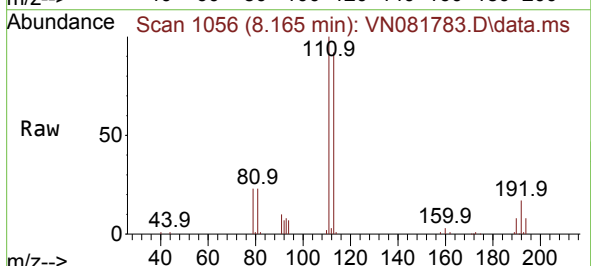
Tgt Ion:113 Resp: 141317

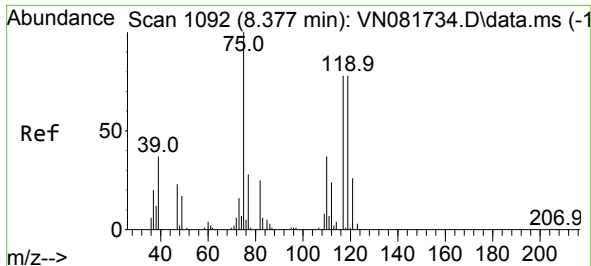
Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.2

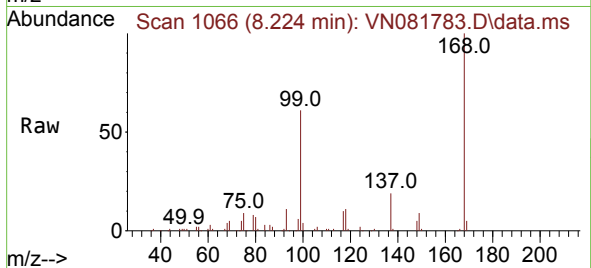
192 17.3 14.0 21.0



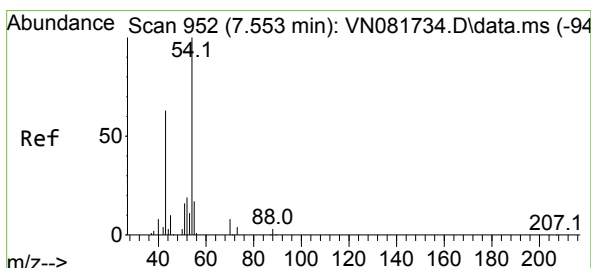
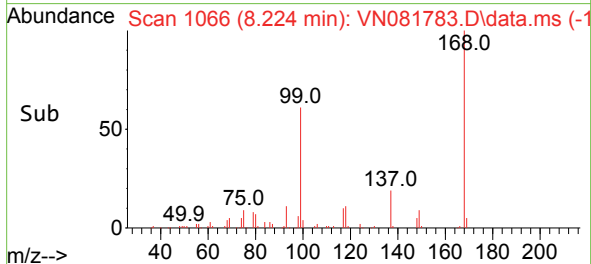
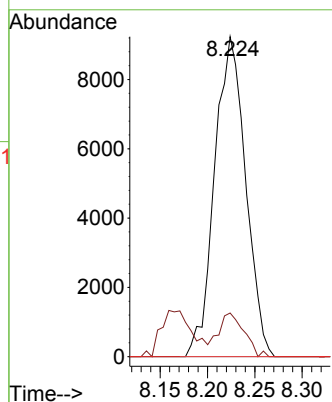


#36
1,1-Dichloropropene
Concen: 5.367 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

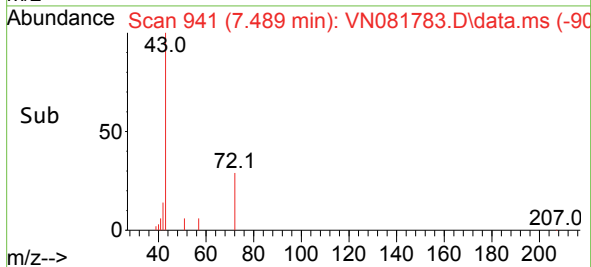
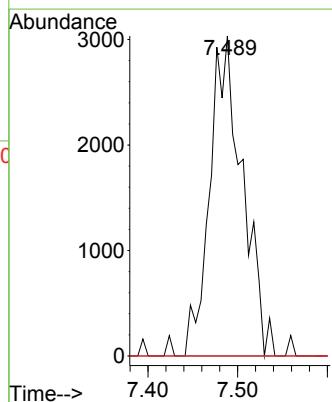
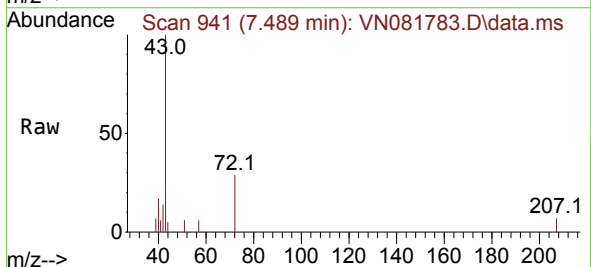


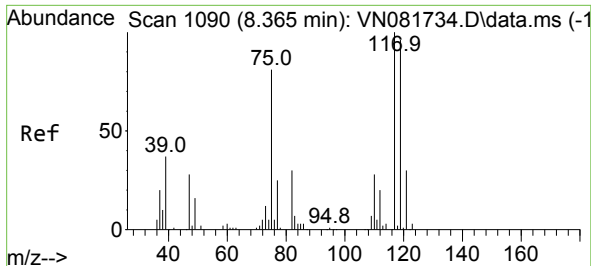
Tgt Ion: 75 Resp: 21048
Ion Ratio Lower Upper
75 100
110 11.4 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 2.383 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.064 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

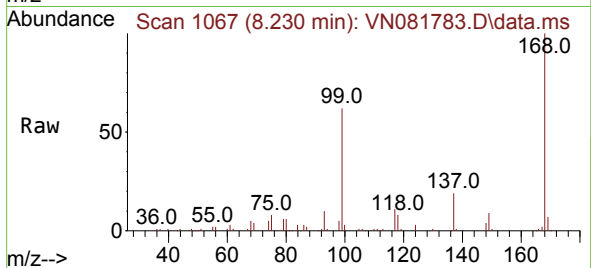
Tgt Ion: 43 Resp: 7681
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 8.7 13.1#



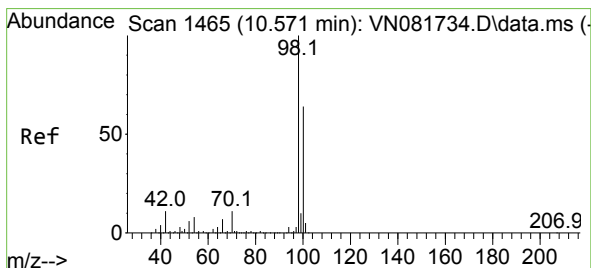
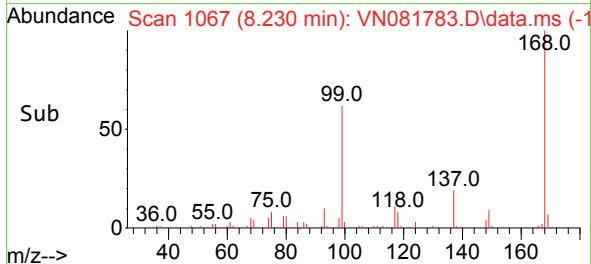
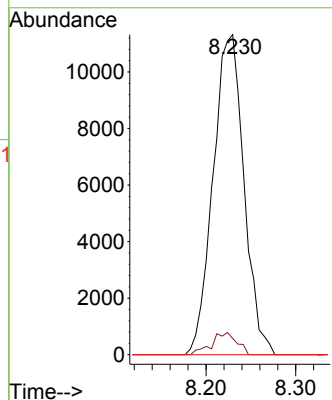


#38
Carbon Tetrachloride
Concen: 5.927 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

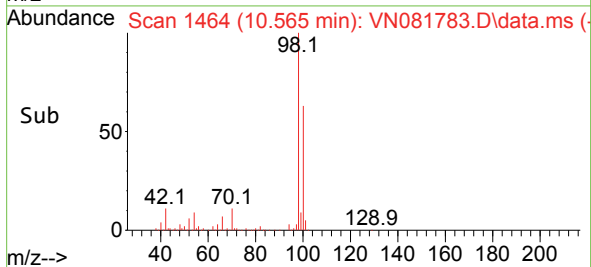
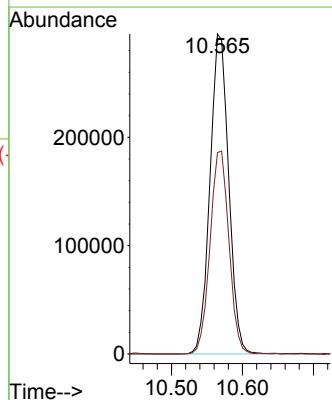
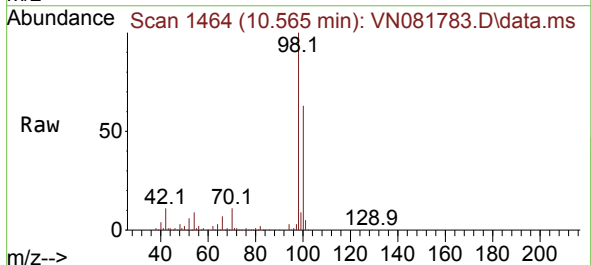


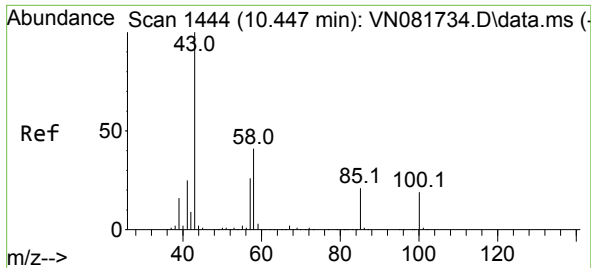
Tgt Ion:117 Resp: 27043
Ion Ratio Lower Upper
117 100
119 5.1 76.5 114.7#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 52.072 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

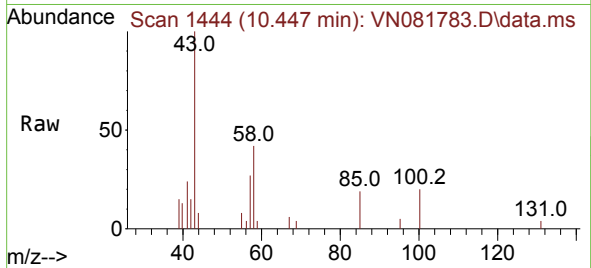
Tgt Ion: 98 Resp: 540006
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6



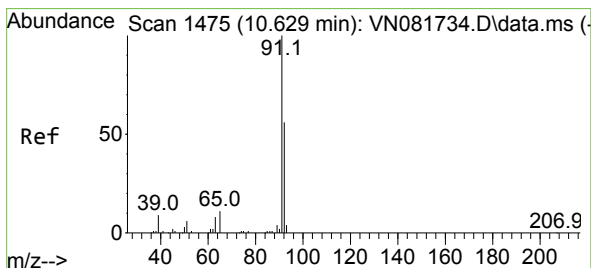
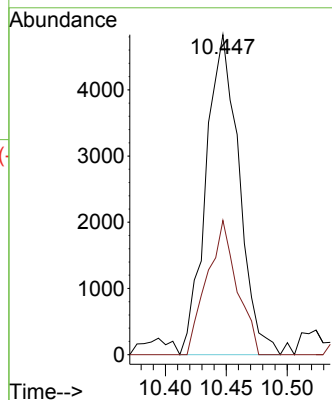
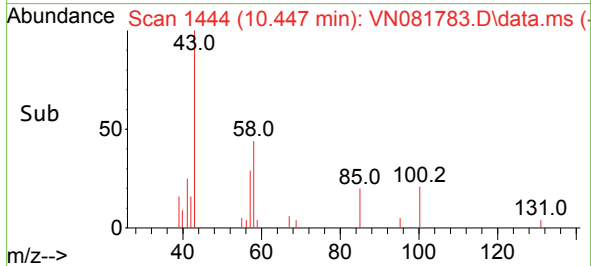


#51
4-Methyl-2-Pentanone
Concen: 2.729 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :

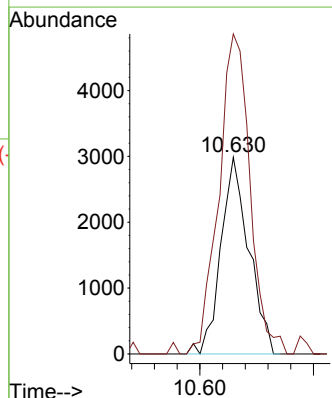
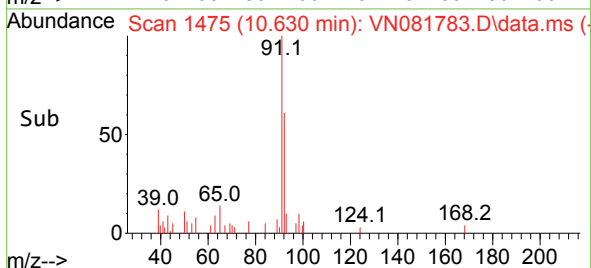
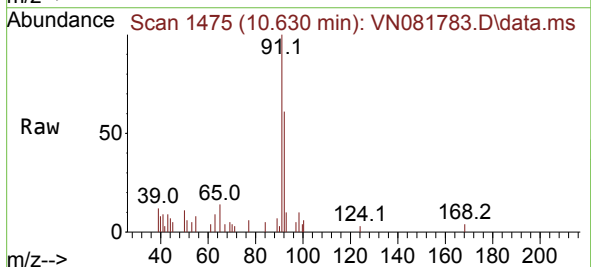


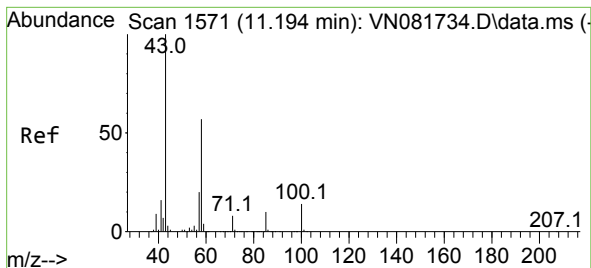
Tgt Ion: 43 Resp: 9127
Ion Ratio Lower Upper
43 100
58 38.1 33.2 49.8



#52
Toluene
Concen: 0.659 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.001 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

Tgt Ion: 92 Resp: 5111
Ion Ratio Lower Upper
92 100
91 181.2 136.7 205.1

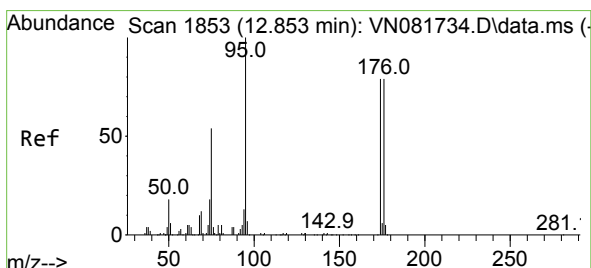
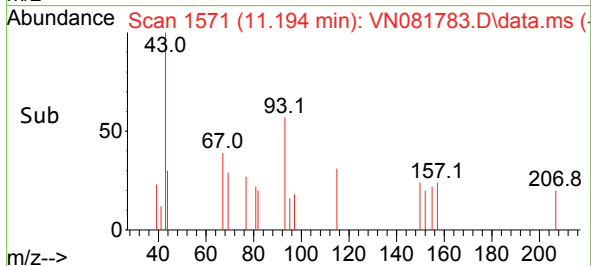
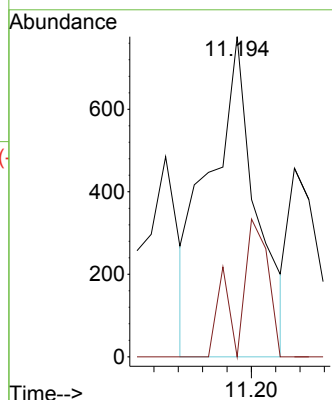
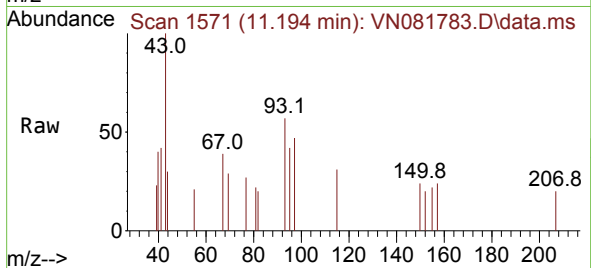




#59
2-Hexanone
Concen: 0.431 ug/l
RT: 11.194 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

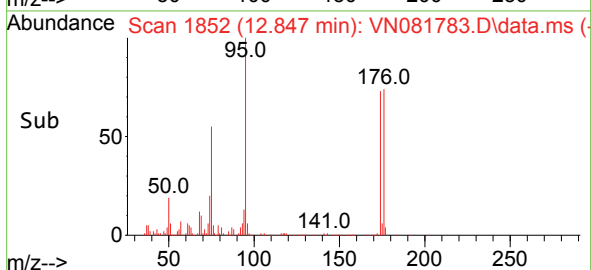
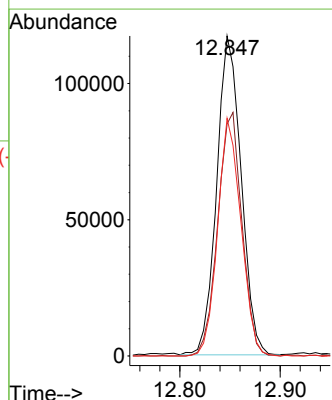
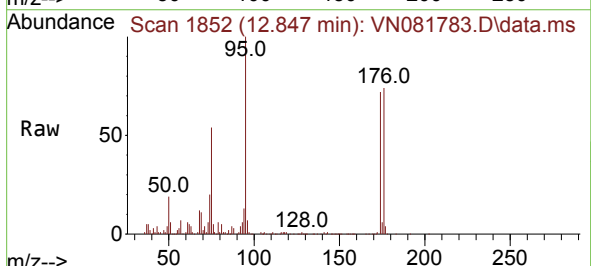
Instrument :
MSVOA_N
ClientSampleId :

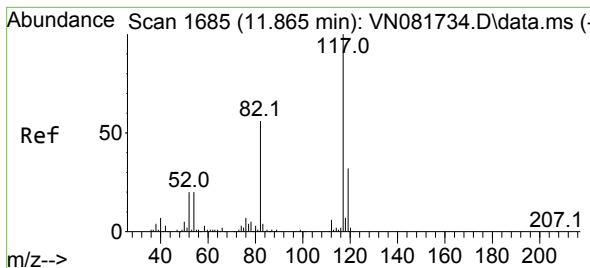
Tgt Ion: 43 Resp: 1043
Ion Ratio Lower Upper
43 100
58 27.5 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 56.046 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

Tgt Ion: 95 Resp: 198617
Ion Ratio Lower Upper
95 100
174 75.3 0.0 160.6
176 71.1 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

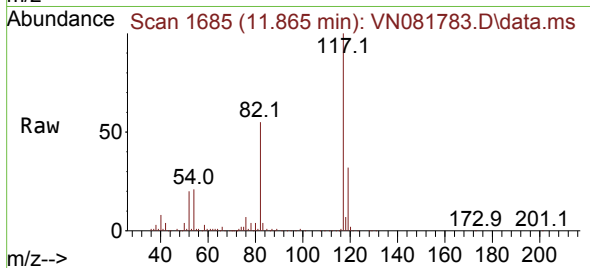
Lab File: VN081783.D

Acq: 18 Apr 2024 13:30

Instrument :

MSVOA_N

ClientSampleId :



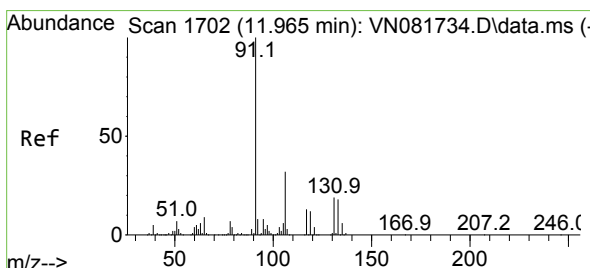
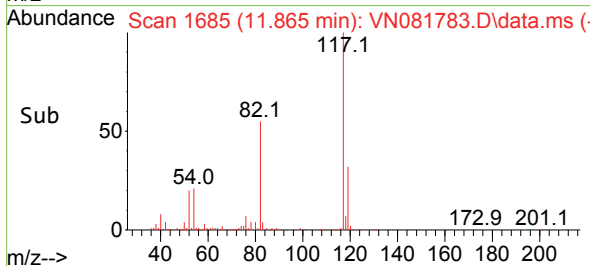
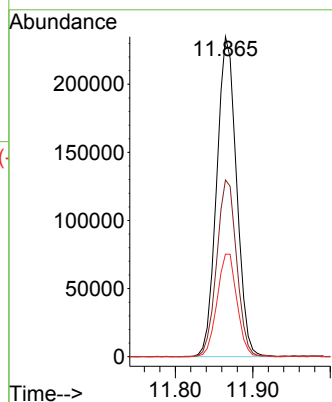
Tgt Ion:117 Resp: 417484

Ion Ratio Lower Upper

117 100

82 55.2 44.6 66.8

119 32.1 25.9 38.9



#67

Ethyl Benzene

Concen: 0.728 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN081783.D

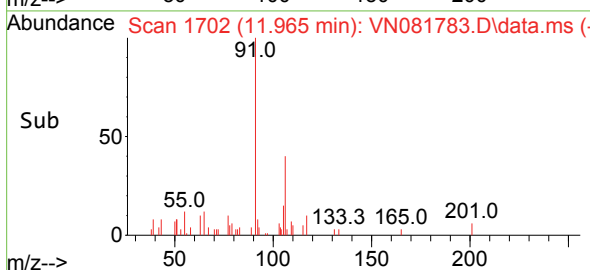
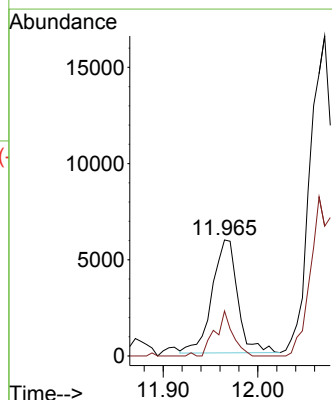
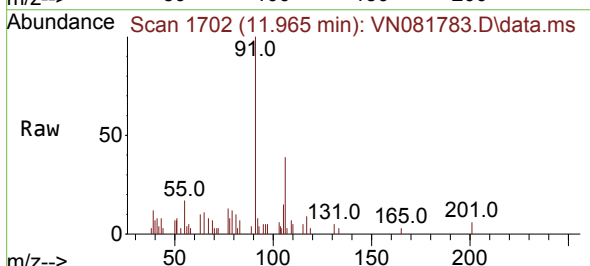
Acq: 18 Apr 2024 13:30

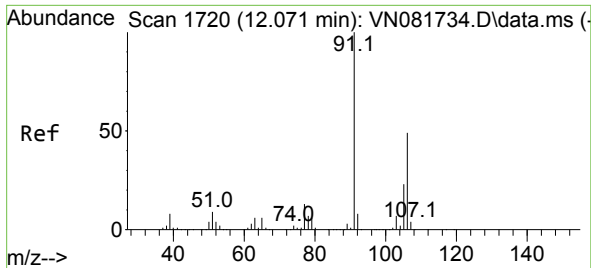
Tgt Ion: 91 Resp: 11004

Ion Ratio Lower Upper

91 100

106 39.9 25.3 37.9#

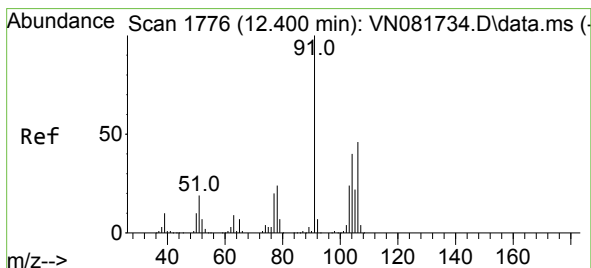
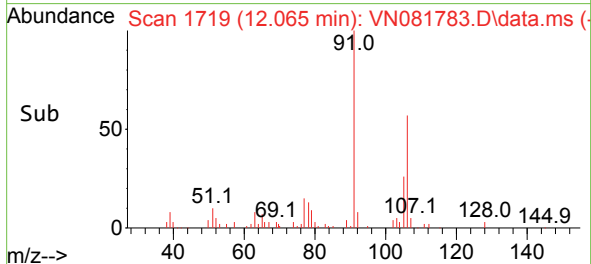
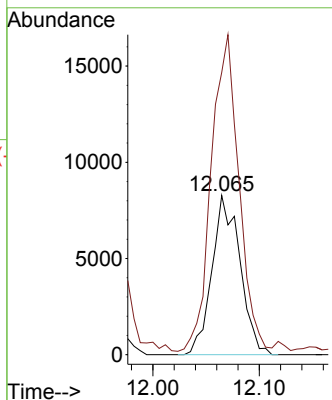
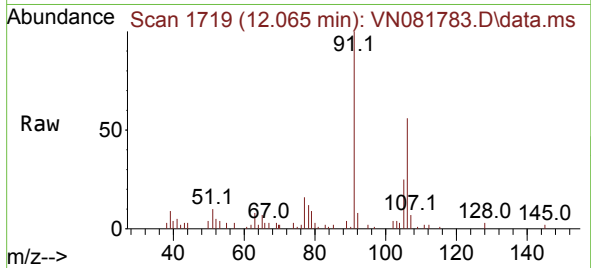




#68
m/p-Xylenes
Concen: 2.575 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

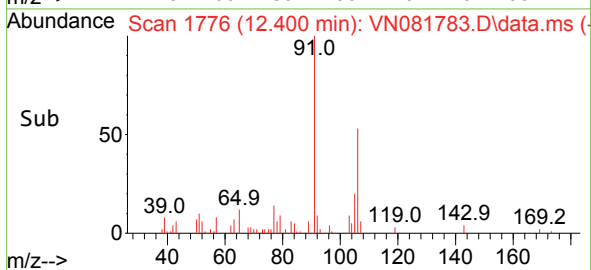
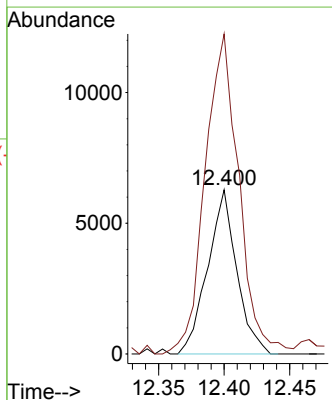
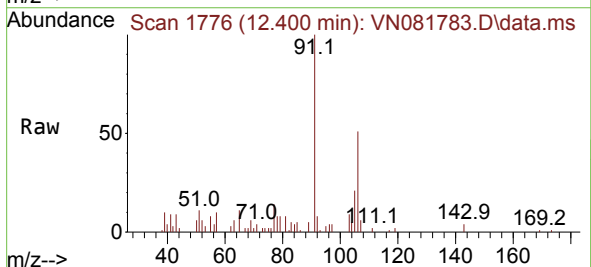
Instrument :
MSVOA_N
ClientSampleId :

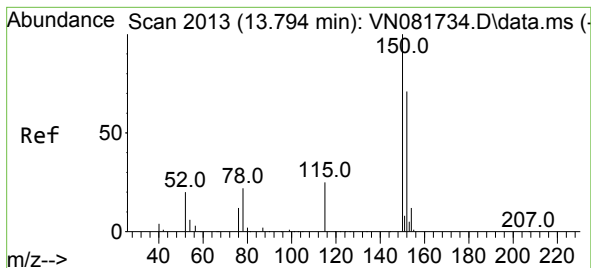
Tgt Ion:106 Resp: 15140
Ion Ratio Lower Upper
106 100
91 195.9 159.4 239.0



#69
o-Xylene
Concen: 1.719 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081783.D
Acq: 18 Apr 2024 13:30

Tgt Ion:106 Resp: 9688
Ion Ratio Lower Upper
106 100
91 226.3 104.7 314.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081783.D

Acq: 18 Apr 2024 13:30

Instrument :

MSVOA_N

ClientSampleId :

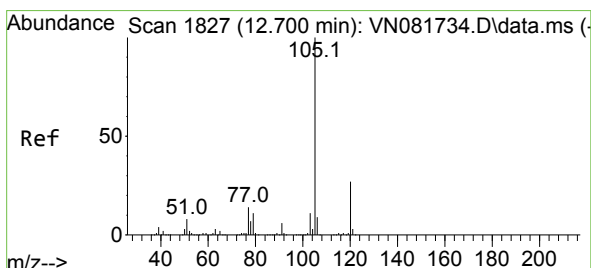
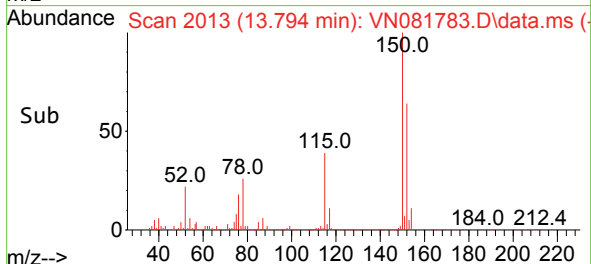
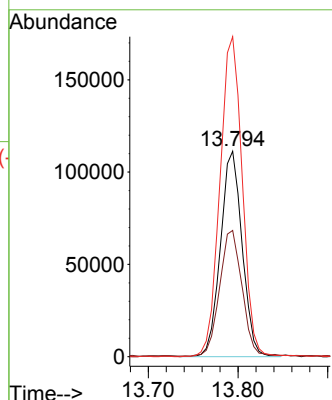
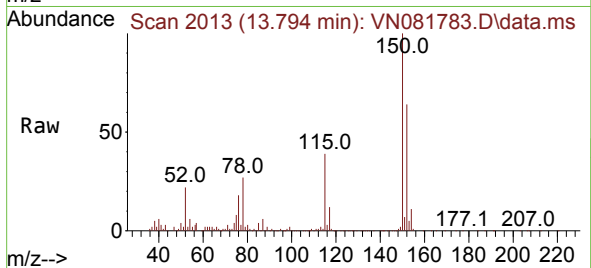
Tgt Ion:152 Resp: 186813

Ion Ratio Lower Upper

152 100

115 63.0 30.4 91.3

150 160.2 0.0 353.2



#73

Isopropylbenzene

Concen: 0.239 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN081783.D

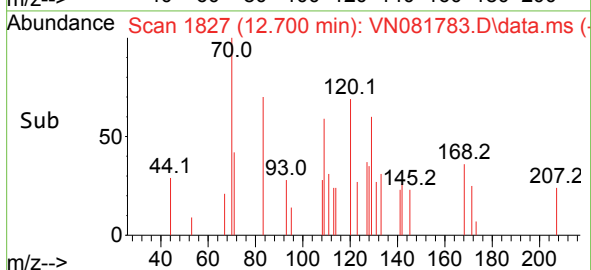
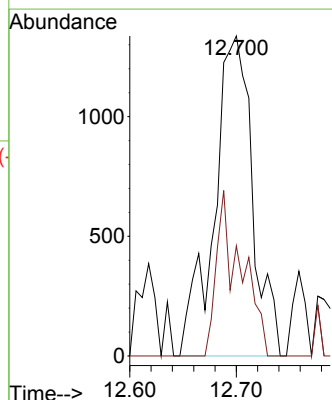
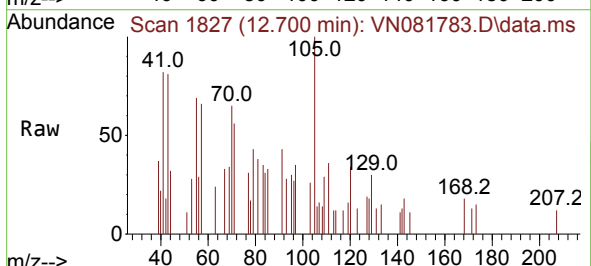
Acq: 18 Apr 2024 13:30

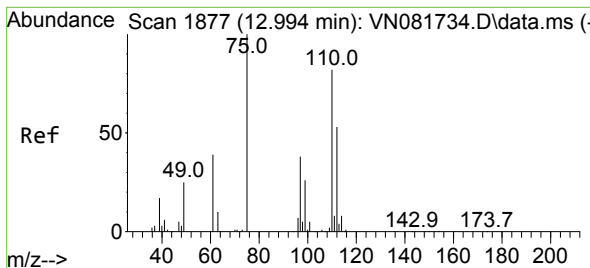
Tgt Ion:105 Resp: 3349

Ion Ratio Lower Upper

105 100

120 33.2 13.4 40.1





#76

1,2,3-Trichloropropane

Concen: 30.850 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081783.D

Acq: 18 Apr 2024 13:30

Instrument :

MSVOA_N

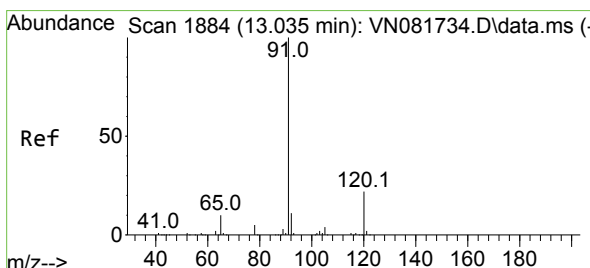
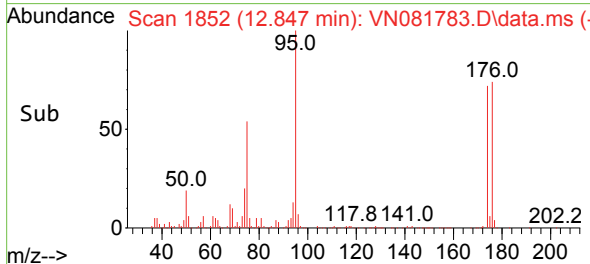
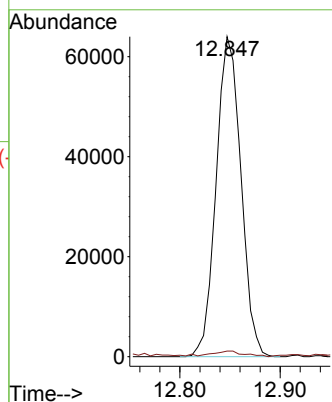
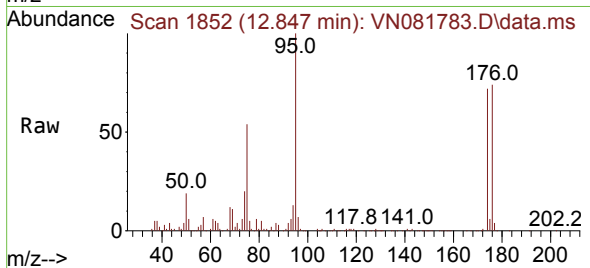
ClientSampleId :

Tgt Ion: 75 Resp: 109764

Ion Ratio Lower Upper

75 100

77 2.2 90.5 271.3#



#78

n-propylbenzene

Concen: 0.388 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN081783.D

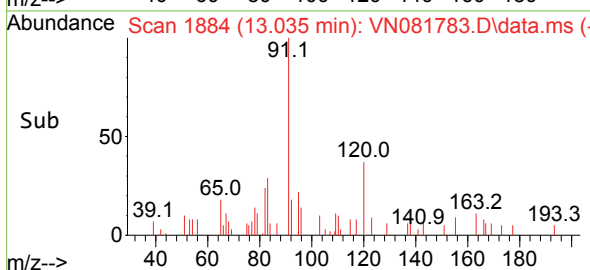
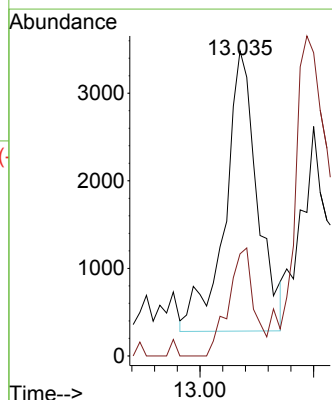
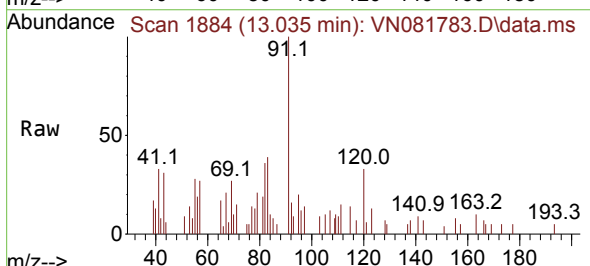
Acq: 18 Apr 2024 13:30

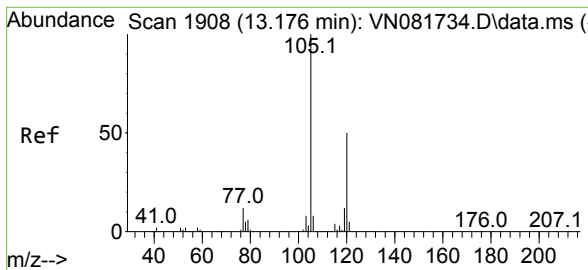
Tgt Ion: 91 Resp: 6311

Ion Ratio Lower Upper

91 100

120 30.5 11.7 35.0

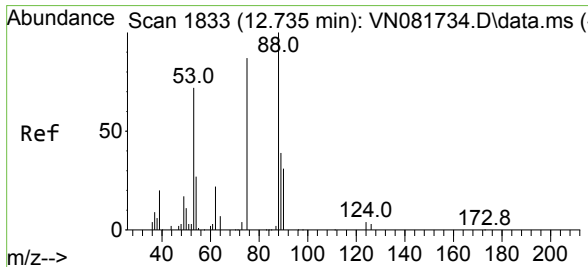
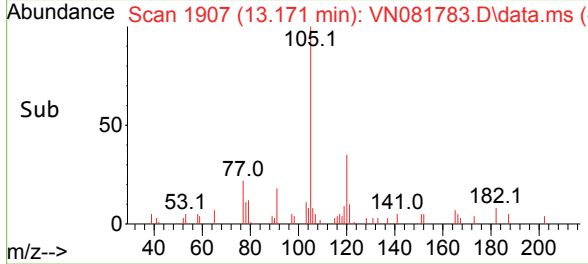
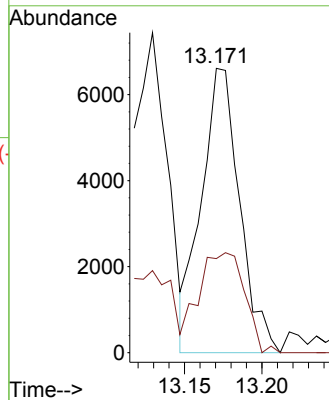
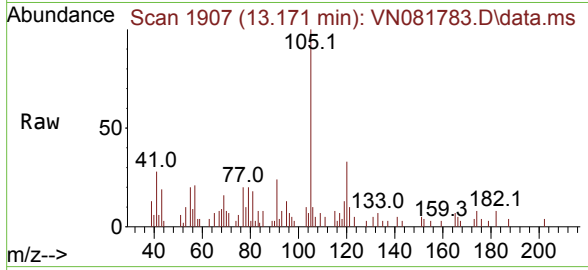




#80
 1,3,5-Trimethylbenzene
 Concen: 0.995 ug/l
 RT: 13.171 min Scan# 1908
 Delta R.T. -0.005 min
 Lab File: VN081783.D
 Acq: 18 Apr 2024 13:30

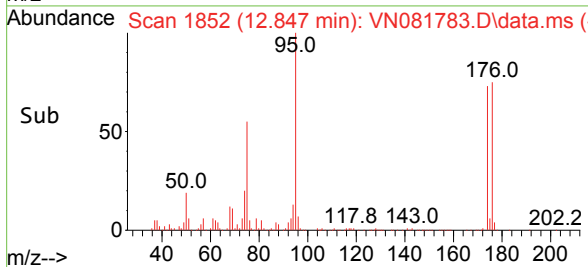
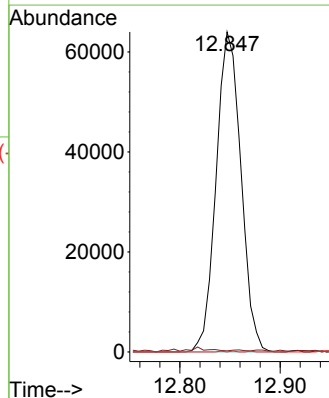
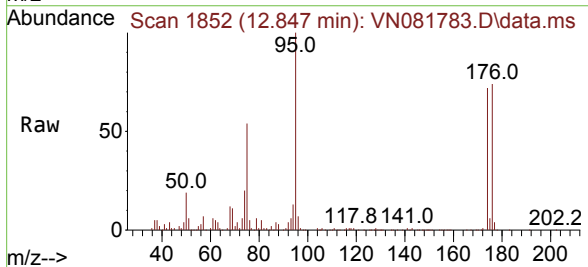
Instrument :
 MSVOA_N
 ClientSampleId :

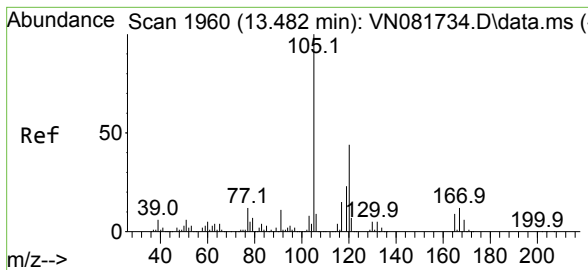
Tgt Ion:105 Resp: 11391
 Ion Ratio Lower Upper
 105 100
 120 42.4 24.8 74.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.893 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN081783.D
 Acq: 18 Apr 2024 13:30

Tgt Ion: 75 Resp: 109764
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.9 109.3#
 89 0.1 39.1 58.7#





#84

1,2,4-Trimethylbenzene

Concen: 2.969 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN081783.D

Acq: 18 Apr 2024 13:30

Instrument :

MSVOA_N

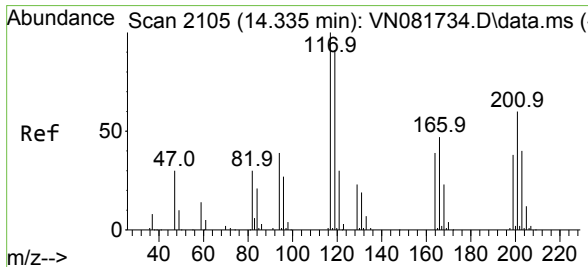
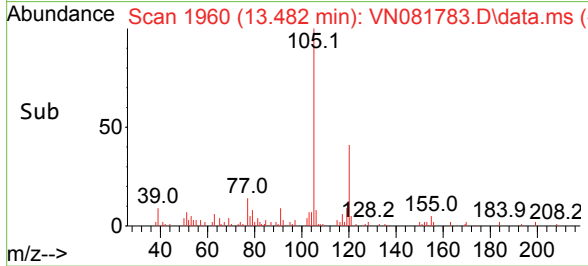
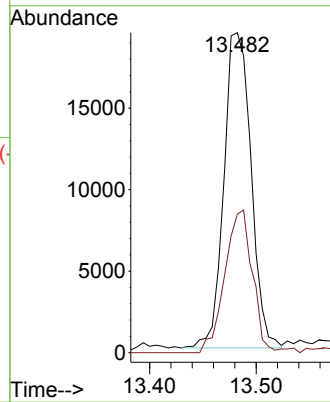
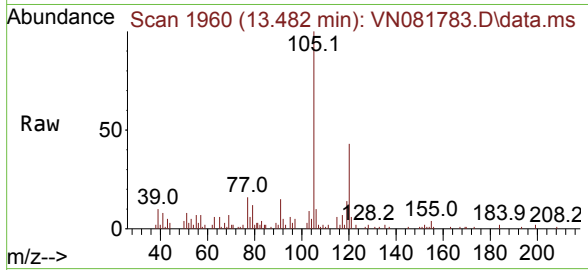
ClientSampleId :

Tgt Ion:105 Resp: 34266

Ion Ratio Lower Upper

105 100

120 46.5 22.9 68.7



#90

Hexachloroethane

Concen: 0.422 ug/l

RT: 14.323 min Scan# 2103

Delta R.T. -0.012 min

Lab File: VN081783.D

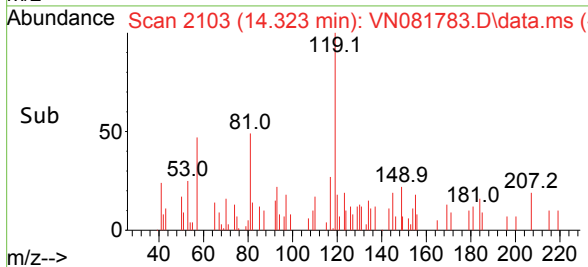
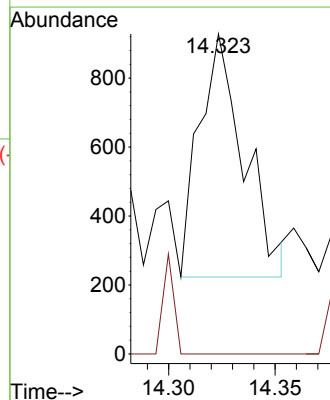
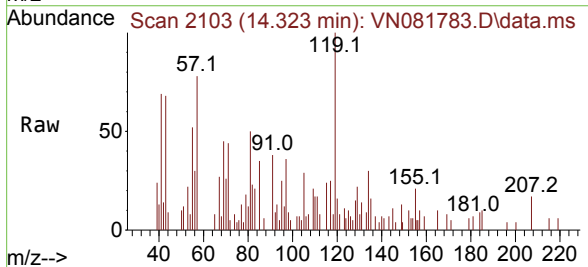
Acq: 18 Apr 2024 13:30

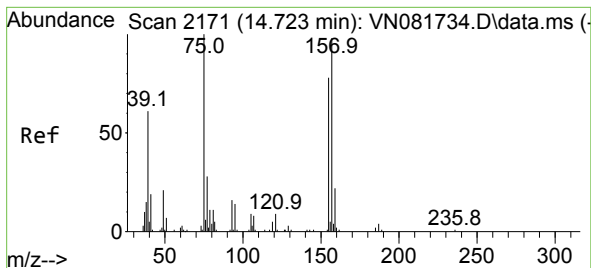
Tgt Ion:117 Resp: 1029

Ion Ratio Lower Upper

117 100

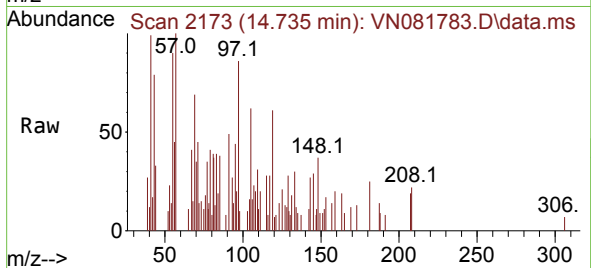
201 0.0 33.3 99.8#



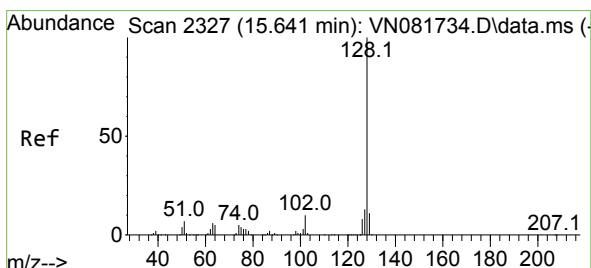
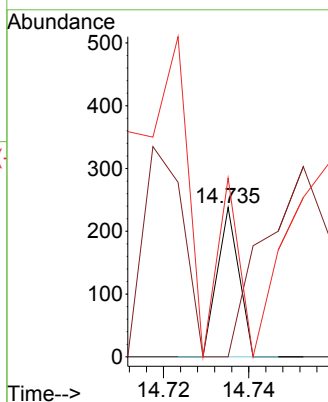
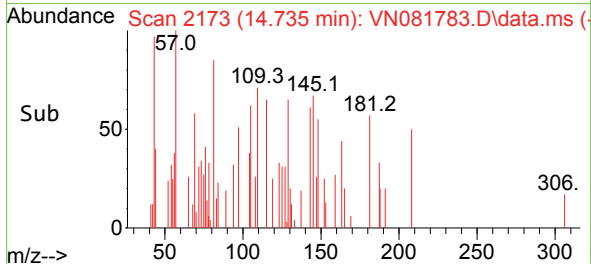


#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.735 min Scan# 2173
 Delta R.T. 0.012 min
 Lab File: VN081783.D
 Acq: 18 Apr 2024 13:30

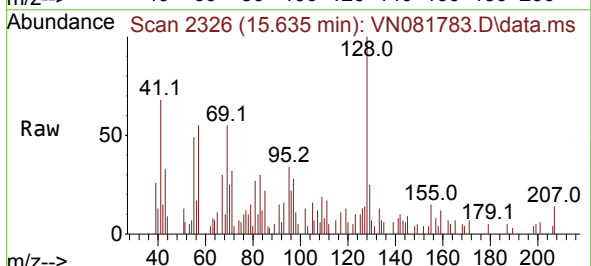
Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 84
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.6 128.0#
 157 835.7 53.0 159.0#



#95
 Naphthalene
 Concen: 0.942 ug/l
 RT: 15.635 min Scan# 2326
 Delta R.T. -0.006 min
 Lab File: VN081783.D
 Acq: 18 Apr 2024 13:30



Tgt Ion: 128 Resp: 10240
 Ion Ratio Lower Upper
 128 100
 127 17.4 10.1 15.1#
 129 17.6 8.9 13.3#

