

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041824\
 Data File : VN081787.D
 Acq On : 18 Apr 2024 15:06
 Operator : JC\MD
 Sample : P2121-02 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 01:24:31 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	232959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	422805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	398032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	180227	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	167993	51.247	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.500%
35) Dibromofluoromethane	8.165	113	133280	47.737	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.480%
50) Toluene-d8	10.571	98	530979	51.624	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.240%
62) 4-Bromofluorobenzene	12.853	95	195315	55.569	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	111.140%

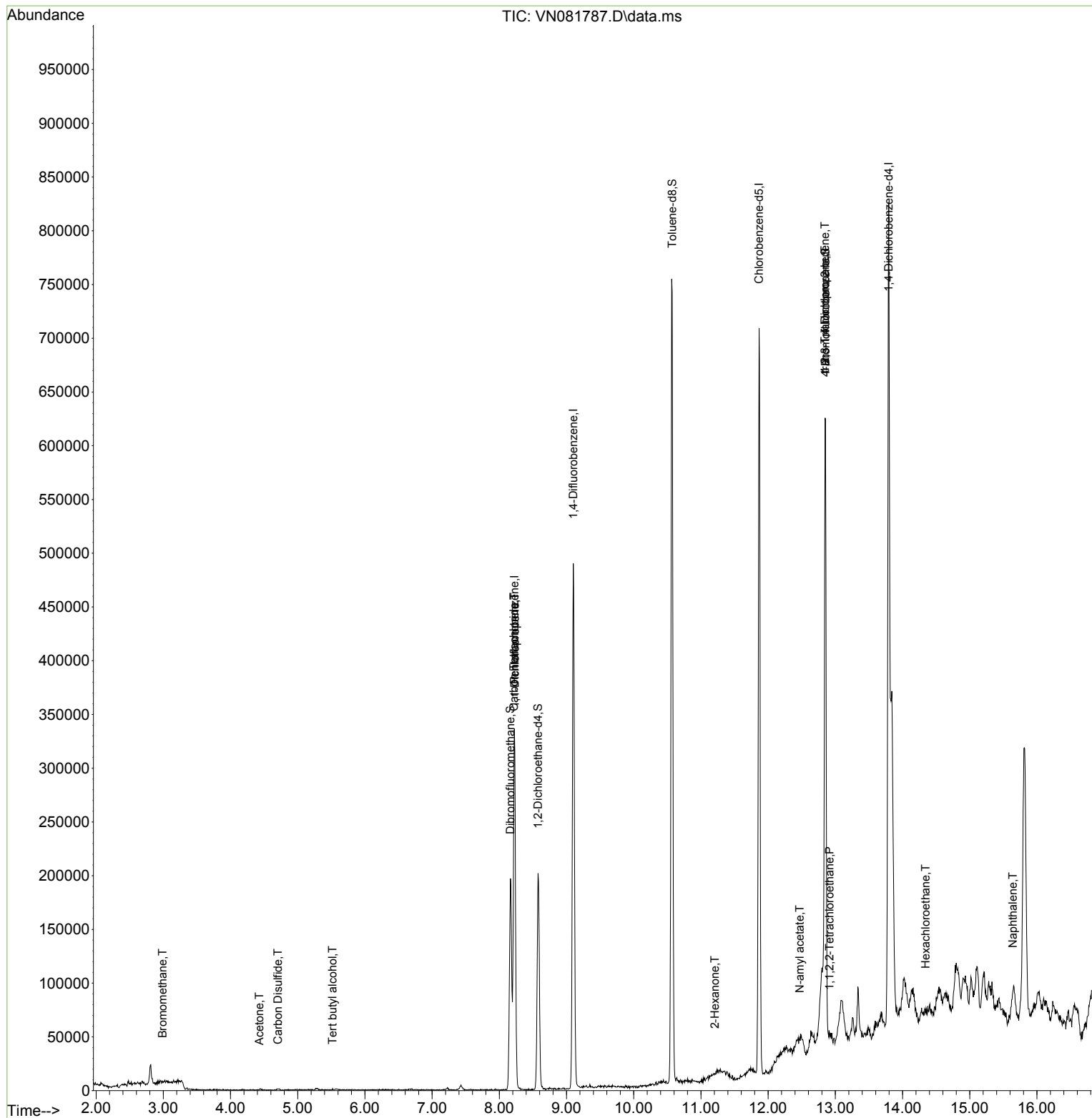
Target Compounds					Qvalue
3) Chloromethane	2.359	50	648	Below Cal	96
5) Bromomethane	2.989	94	1119	0.513 ug/l	99
6) Chloroethane	3.106	64	135	Below Cal #	44
11) Tert butyl alcohol	5.518	59	127	0.284 ug/l #	71
16) Acetone	4.430	43	626	0.686 ug/l #	43
17) Carbon Disulfide	4.706	76	1774	0.221 ug/l #	74
20) Methylene Chloride	5.283	84	817	Below Cal #	84
36) 1,1-Dichloropropene	8.230	75	21136	5.434 ug/l #	41
38) Carbon Tetrachloride	8.218	117	25556	5.647 ug/l #	18
59) 2-Hexanone	11.206	43	543	0.226 ug/l #	23
74) N-amyl acetate	12.471	43	1538	0.313 ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.912	83	1375	0.346 ug/l #	23
76) 1,2,3-Trichloropropane	12.847	75	107150	31.263 ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	107150	72.746 ug/l #	13
90) Hexachloroethane	14.341	117	984	0.418 ug/l #	26
92) 1,2-Dibromo-3-Chloropr...	14.723	75	222	Below Cal #	24
95) Naphthalene	15.641	128	3238	0.309 ug/l #	89

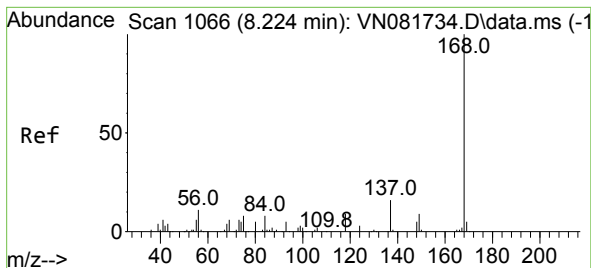
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081787.D

Acq: 18 Apr 2024 15:06

Instrument :

MSVOA_N

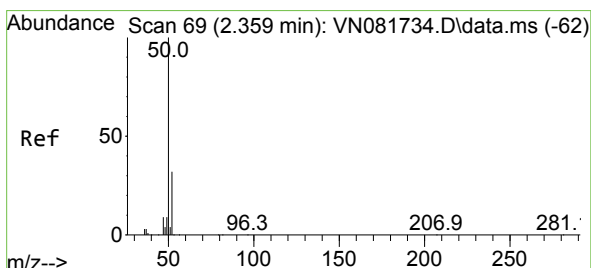
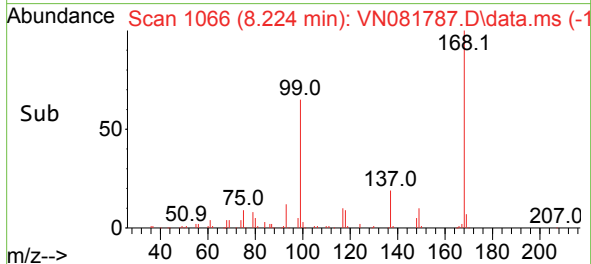
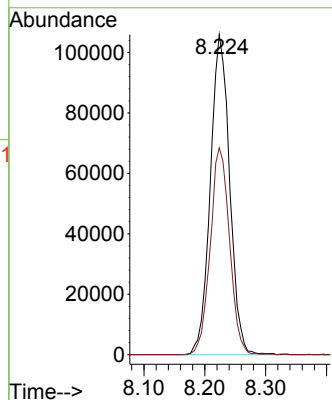
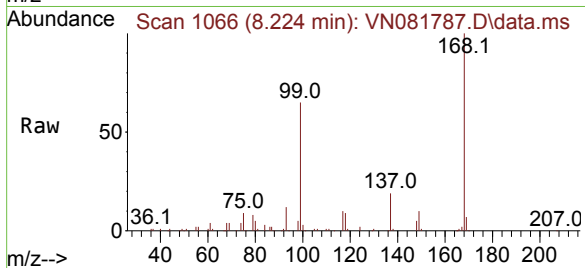
ClientSampleId :

Tgt Ion:168 Resp: 232959

Ion Ratio Lower Upper

168 100

99 64.7 48.2 72.4



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN081787.D

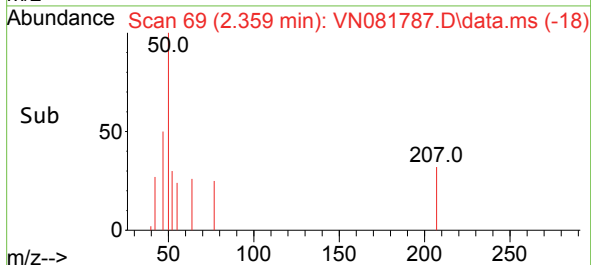
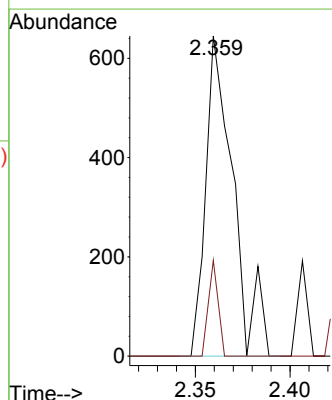
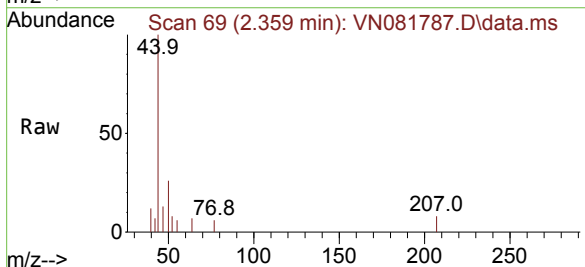
Acq: 18 Apr 2024 15:06

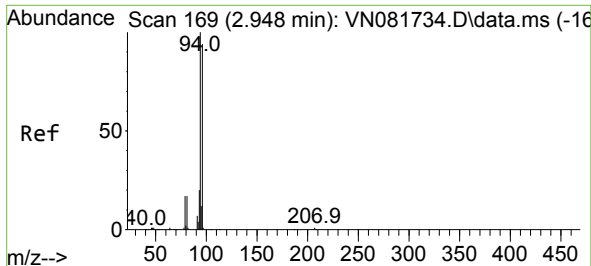
Tgt Ion: 50 Resp: 648

Ion Ratio Lower Upper

50 100

52 29.9 25.5 38.3

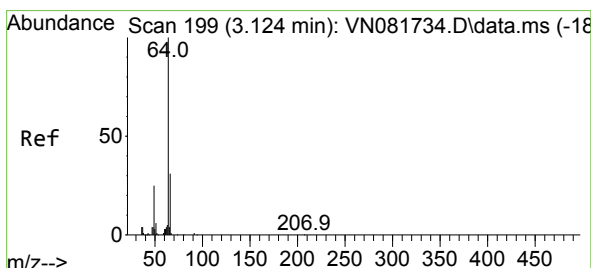
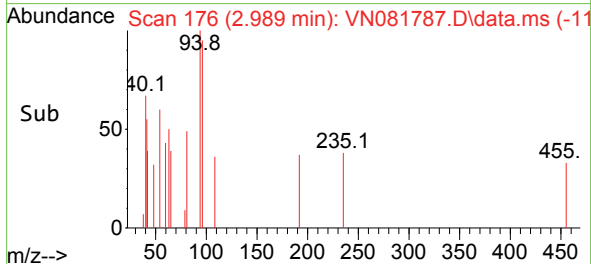
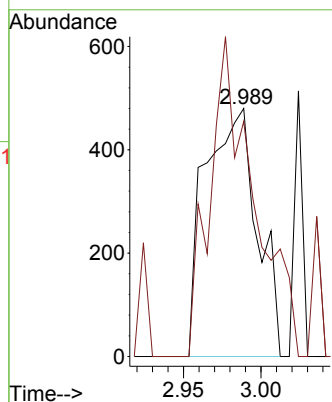
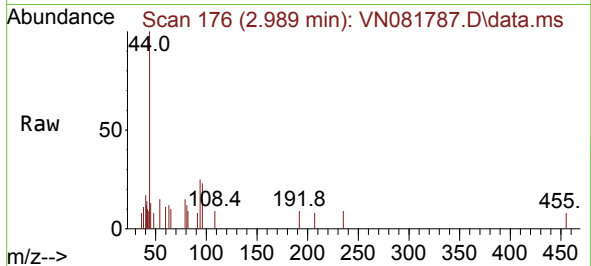




#5
Bromomethane
Concen: 0.513 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN081787.D
Acq: 18 Apr 2024 15:06

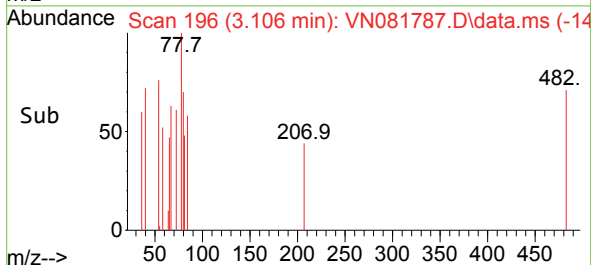
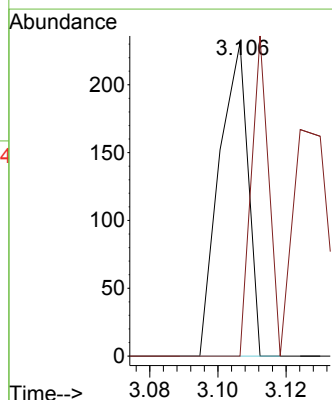
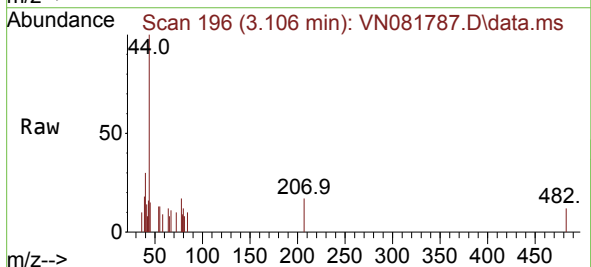
Instrument :
MSVOA_N
ClientSampleId :

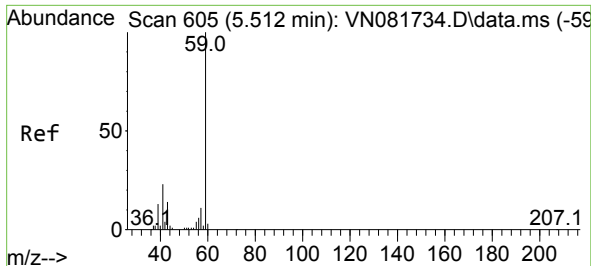
Tgt Ion: 94 Resp: 1119
Ion Ratio Lower Upper
94 100
96 94.8 74.8 112.2



#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.018 min
Lab File: VN081787.D
Acq: 18 Apr 2024 15:06

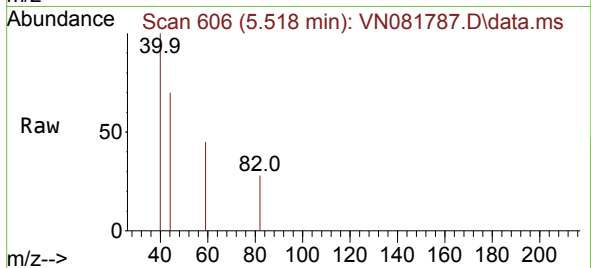
Tgt Ion: 64 Resp: 135
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



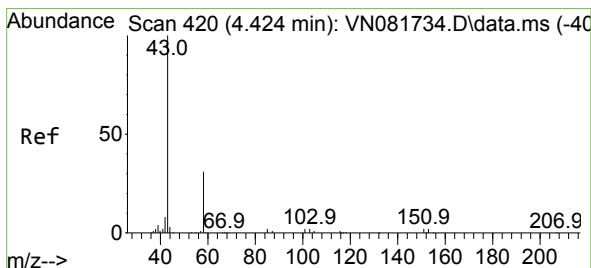
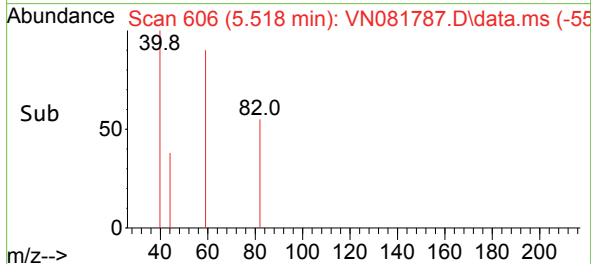
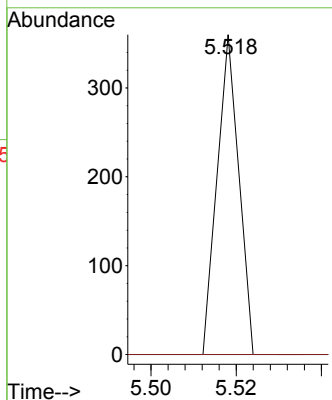


#11
Tert butyl alcohol
Concen: 0.284 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN081787.D
Acq: 18 Apr 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :

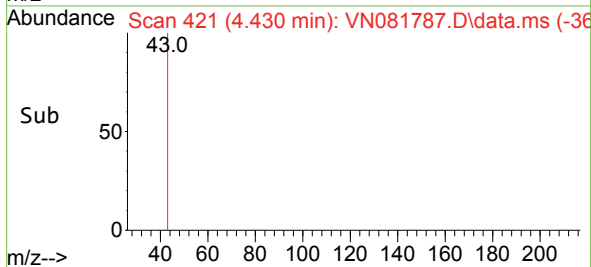
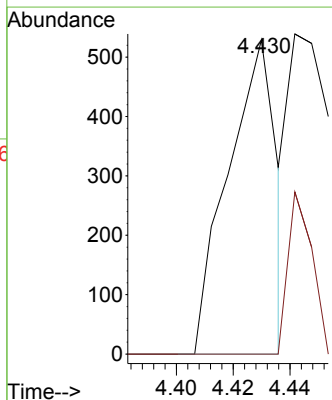
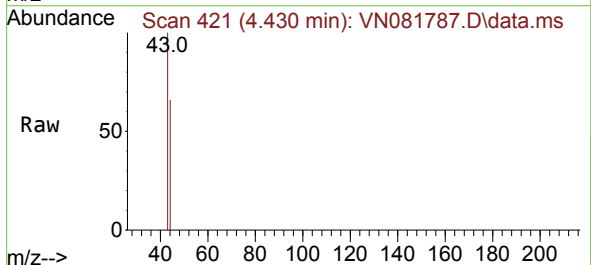


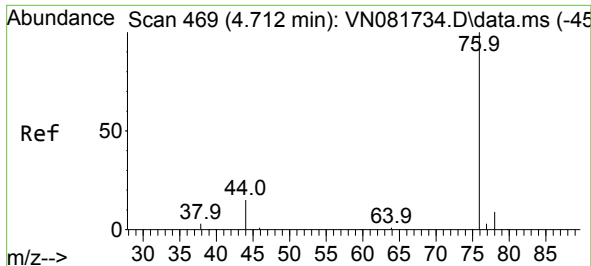
Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 0.686 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081787.D
Acq: 18 Apr 2024 15:06

Tgt Ion: 43 Resp: 626
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#

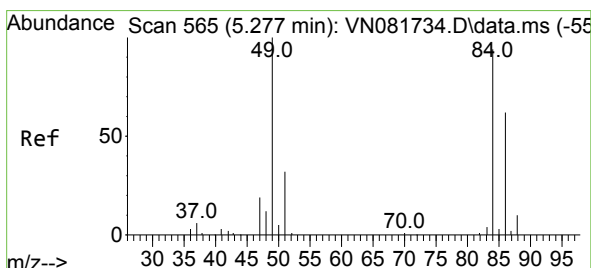
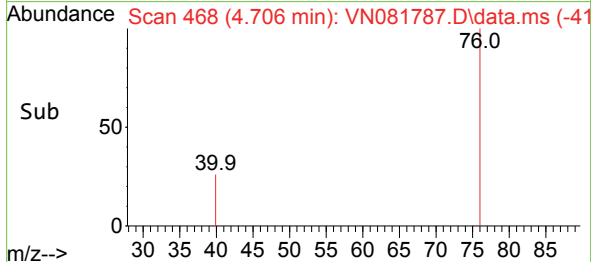
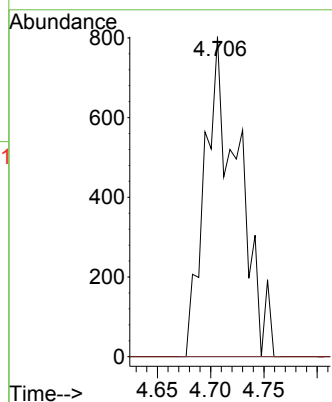
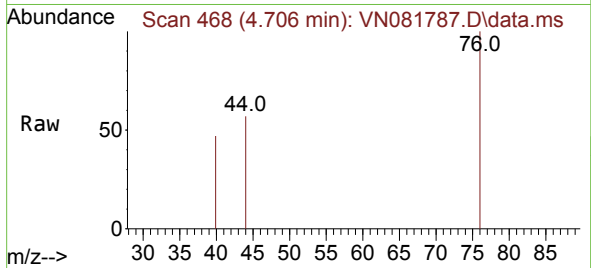




#17
Carbon Disulfide
Concen: 0.221 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN081787.D
Acq: 18 Apr 2024 15:06

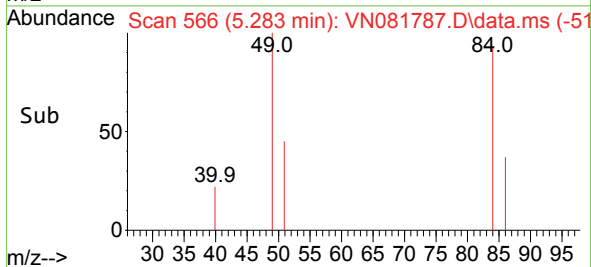
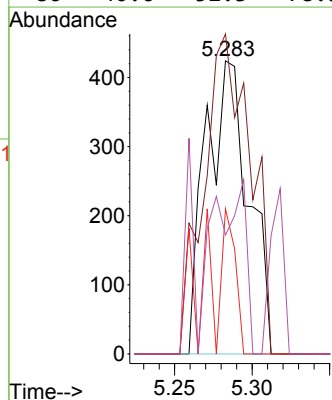
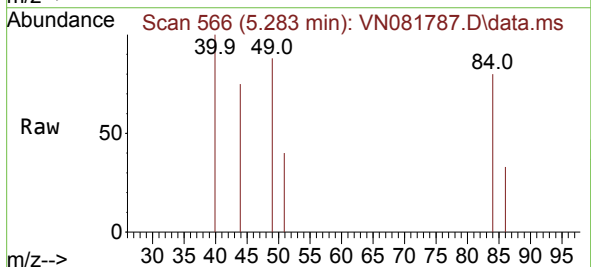
Instrument :
MSVOA_N
ClientSampleId :

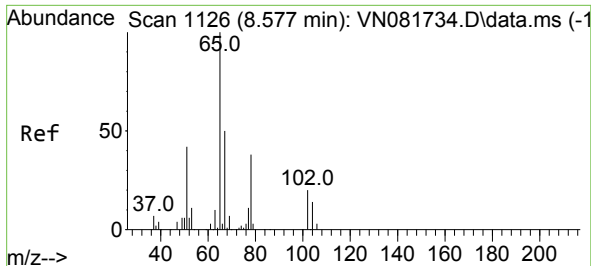
Tgt Ion: 76 Resp: 1774
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081787.D
Acq: 18 Apr 2024 15:06

Tgt Ion: 84 Resp: 817
Ion Ratio Lower Upper
84 100
49 109.2 84.9 127.3
51 49.5 27.0 40.6#
86 40.6 52.3 78.5#





#33

1,2-Dichloroethane-d4

Concen: 51.247 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081787.D

Acq: 18 Apr 2024 15:06

Instrument :

MSVOA_N

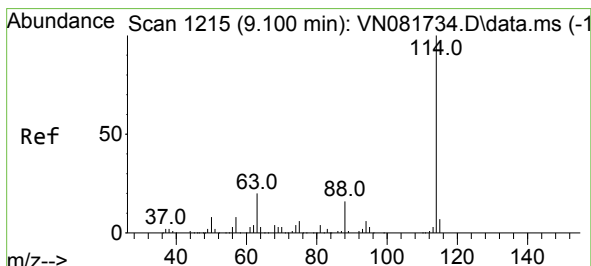
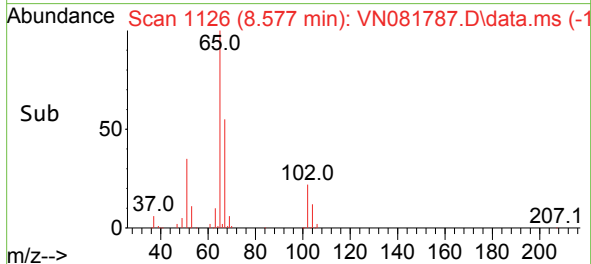
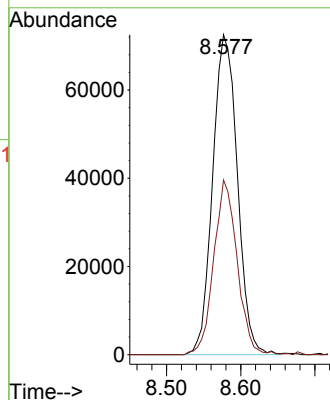
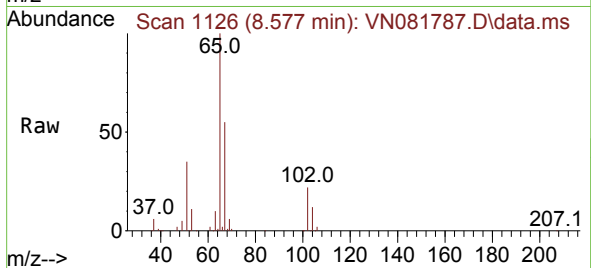
ClientSampleId :

Tgt Ion: 65 Resp: 167993

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081787.D

Acq: 18 Apr 2024 15:06

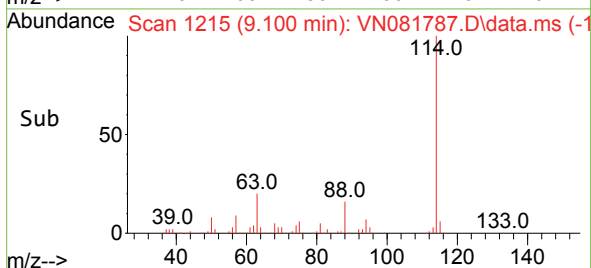
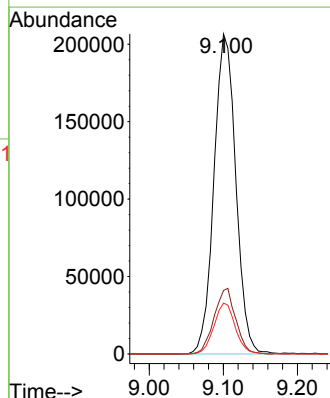
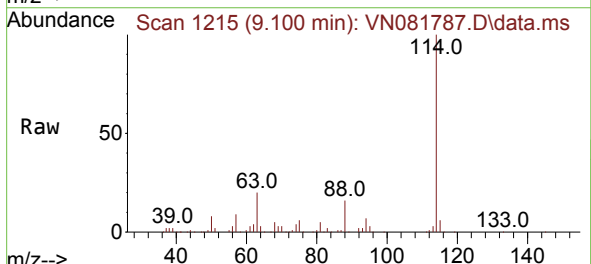
Tgt Ion: 114 Resp: 422805

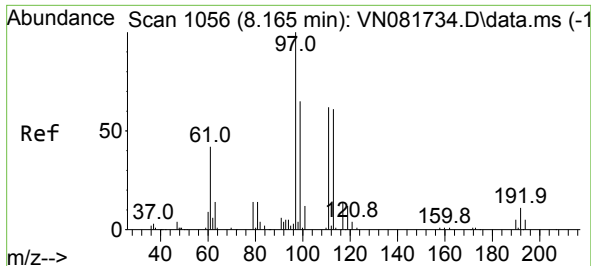
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.0

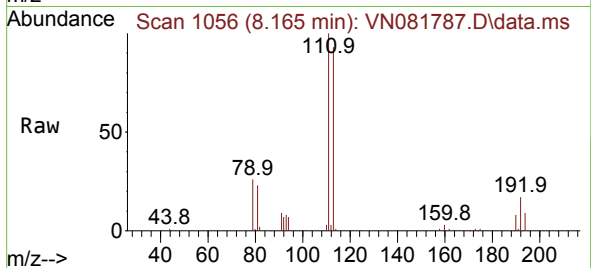
88 15.9 0.0 31.4



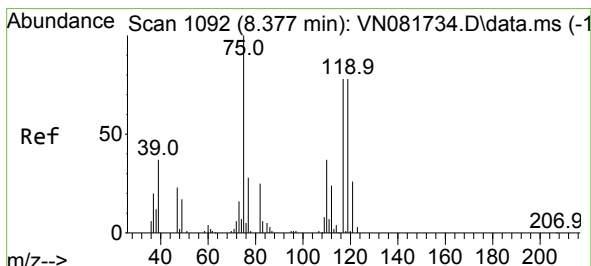
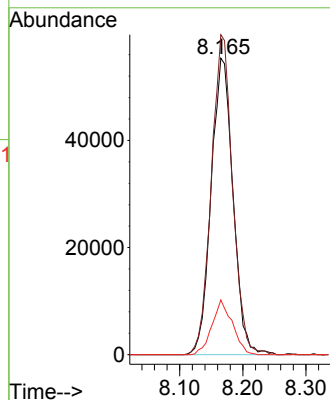
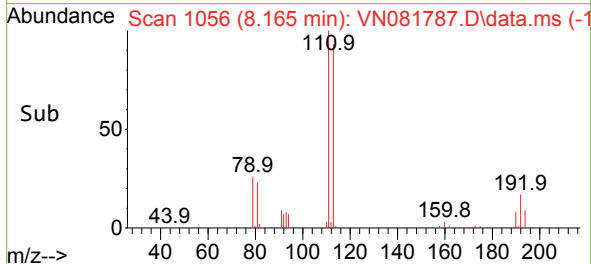


#35
 Dibromofluoromethane
 Concen: 47.737 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.000 min
 Lab File: VN081787.D
 Acq: 18 Apr 2024 15:06

Instrument :
 MSVOA_N
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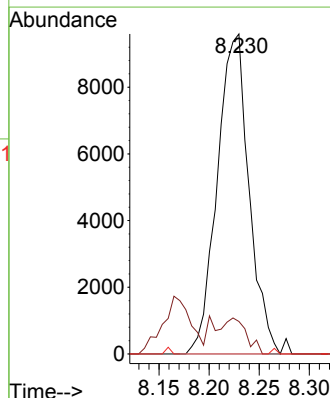
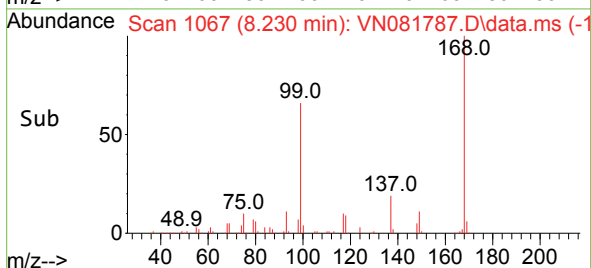
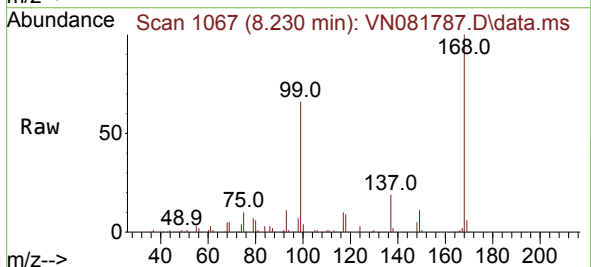


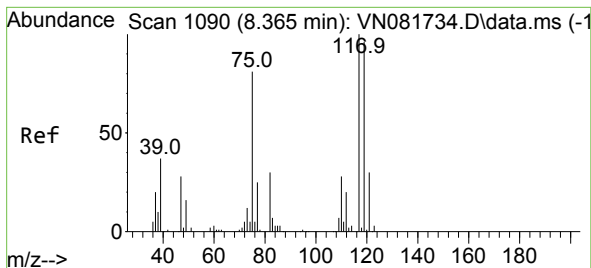
Tgt Ion:113 Resp: 133280
 Ion Ratio Lower Upper
 113 100
 111 104.8 83.4 125.2
 192 17.2 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 5.434 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN081787.D
 Acq: 18 Apr 2024 15:06

Tgt Ion: 75 Resp: 21136
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.8 53.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.647 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

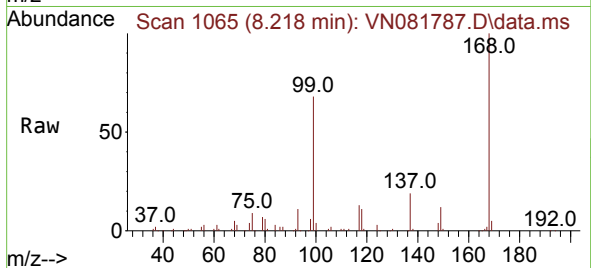
Lab File: VN081787.D

Acq: 18 Apr 2024 15:06

Instrument :

MSVOA_N

ClientSampleId :



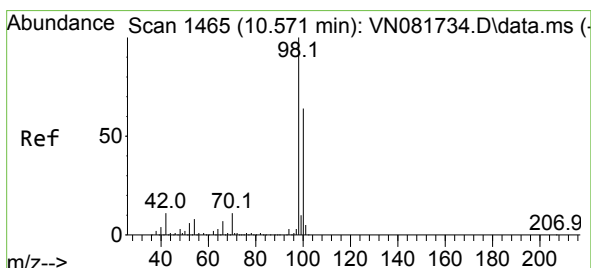
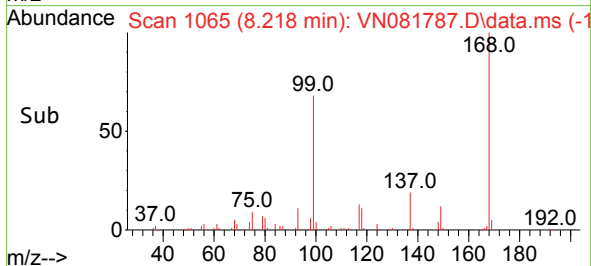
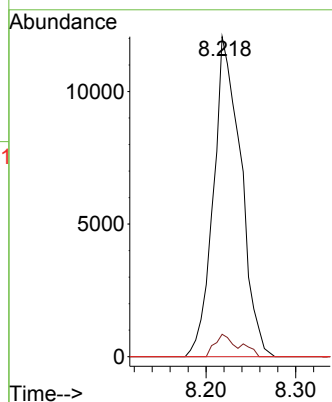
Tgt Ion:117 Resp: 25556

Ion Ratio Lower Upper

117 100

119 7.0 76.5 114.7#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 51.624 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081787.D

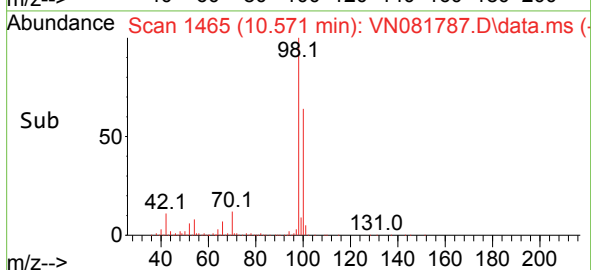
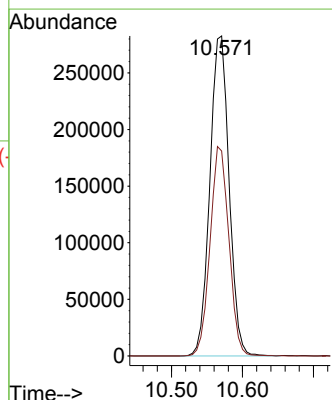
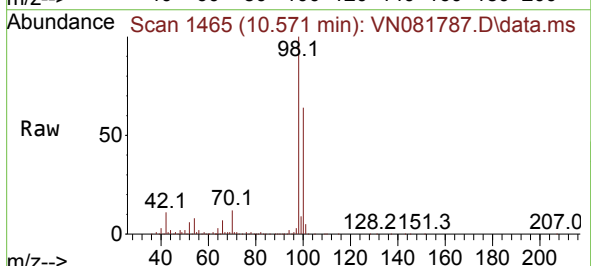
Acq: 18 Apr 2024 15:06

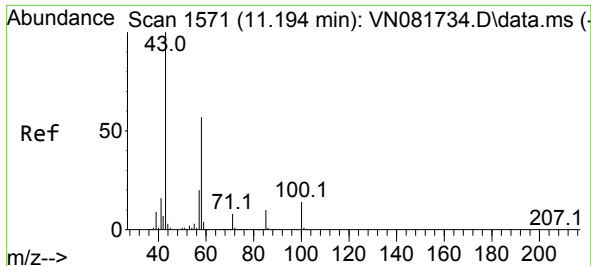
Tgt Ion: 98 Resp: 530979

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.6

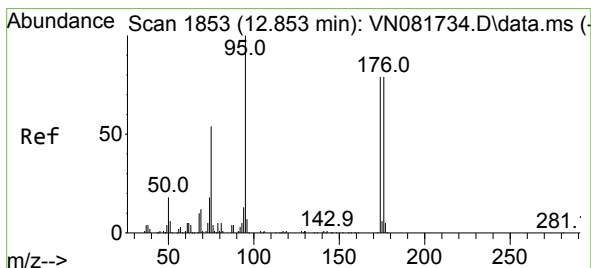
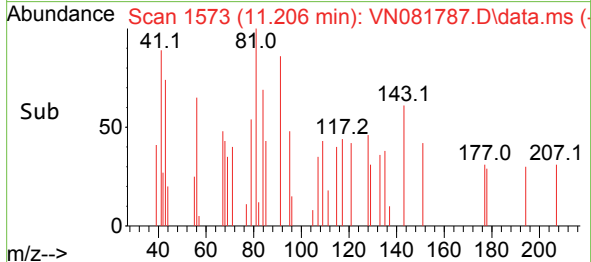
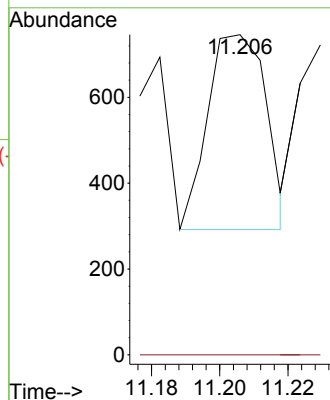
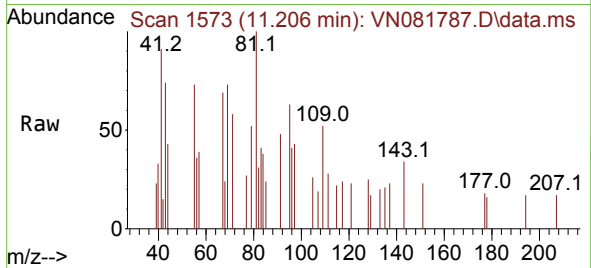




#59
2-Hexanone
Concen: 0.226 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN081787.D
Acq: 18 Apr 2024 15:06

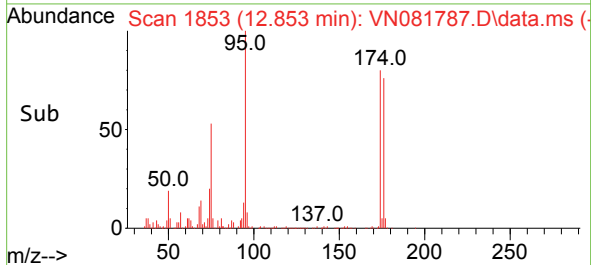
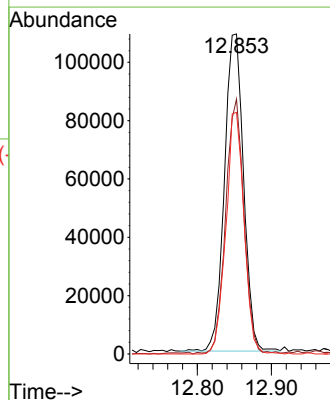
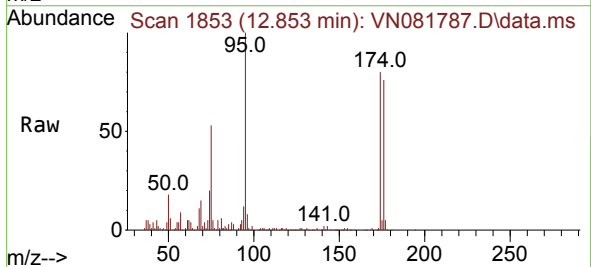
Instrument :
MSVOA_N
ClientSampleId :

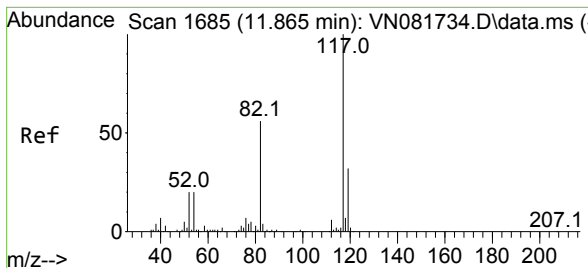
Tgt Ion: 43 Resp: 543
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 55.569 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081787.D
Acq: 18 Apr 2024 15:06

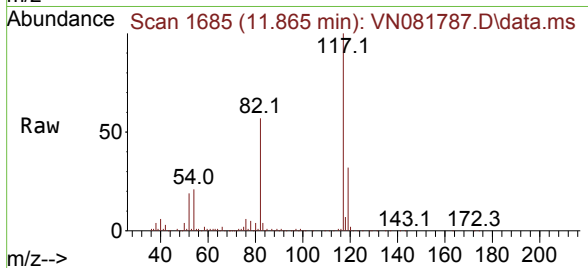
Tgt Ion: 95 Resp: 195315
Ion Ratio Lower Upper
95 100
174 76.8 0.0 160.6
176 72.3 0.0 152.8



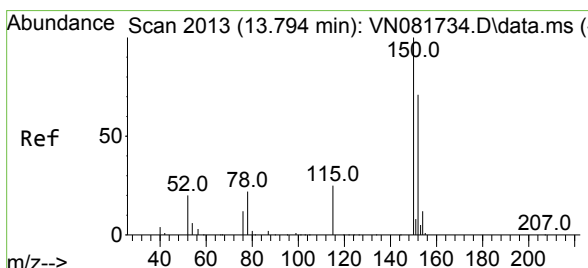
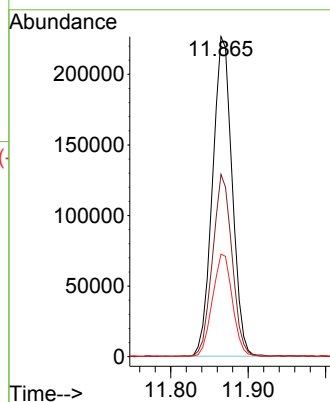
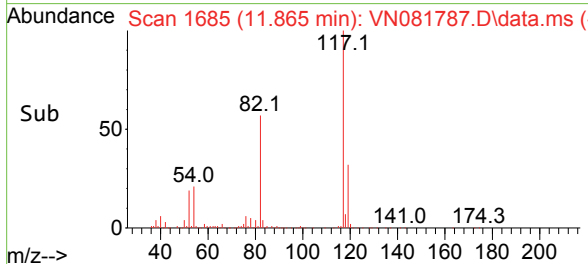


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081787.D
Acq: 18 Apr 2024 15:06

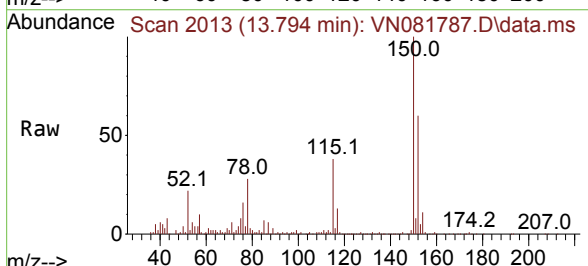
Instrument :
MSVOA_N
ClientSampleId :



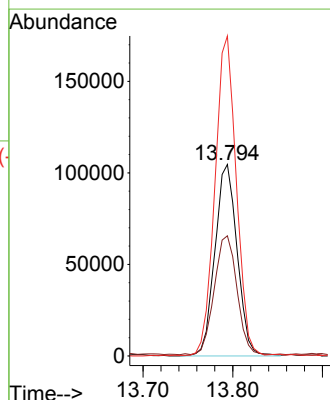
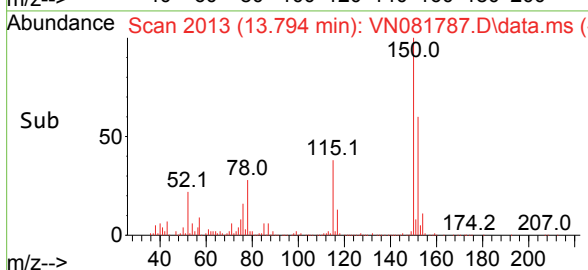
Tgt Ion:117 Resp: 398032
Ion Ratio Lower Upper
117 100
82 56.9 44.6 66.8
119 32.0 25.9 38.9

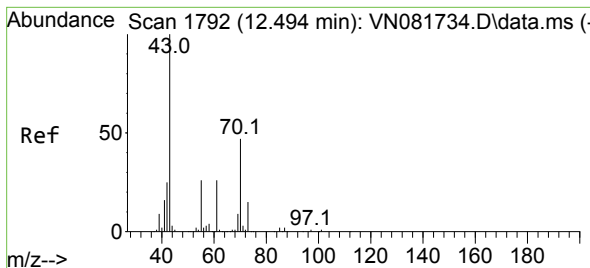


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081787.D
Acq: 18 Apr 2024 15:06



Tgt Ion:152 Resp: 180227
Ion Ratio Lower Upper
152 100
115 63.2 30.4 91.3
150 159.2 0.0 353.2





#74

N-amy1 acetate

Concen: 0.313 ug/l

RT: 12.471 min Scan# 1

Delta R.T. -0.023 min

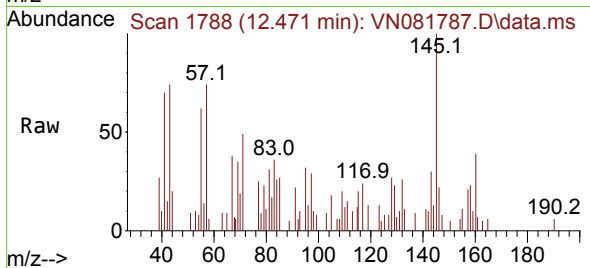
Lab File: VN081787.D

Acq: 18 Apr 2024 15:06

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1538

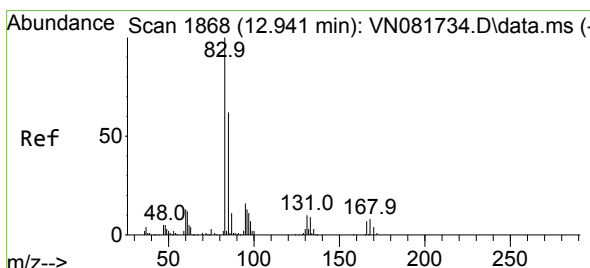
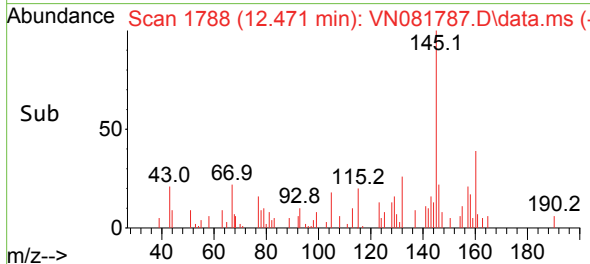
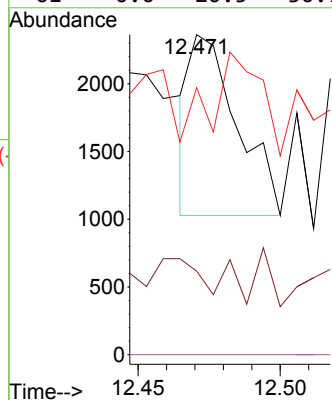
Ion Ratio Lower Upper

43 100

70 7.5 39.0 58.4#

55 44.7 21.3 31.9#

61 0.0 20.5 30.7#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.346 ug/l

RT: 12.912 min Scan# 1863

Delta R.T. -0.029 min

Lab File: VN081787.D

Acq: 18 Apr 2024 15:06

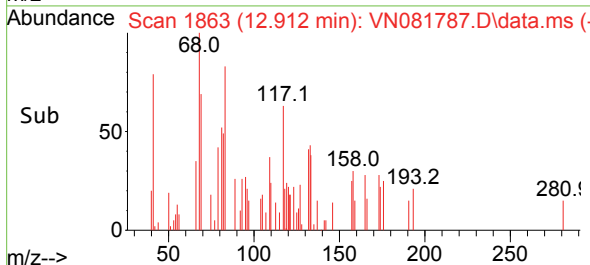
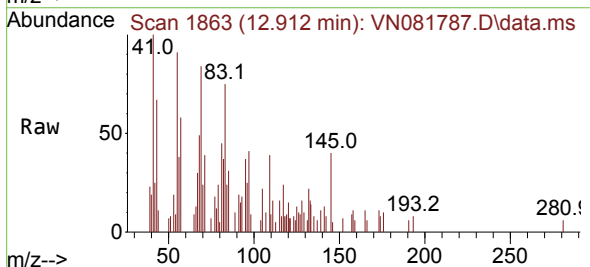
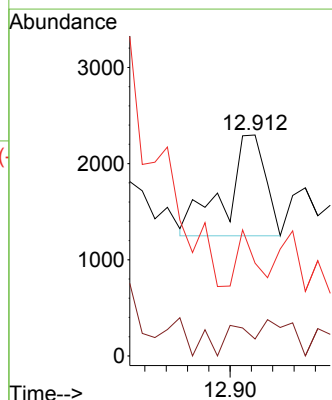
Tgt Ion: 83 Resp: 1375

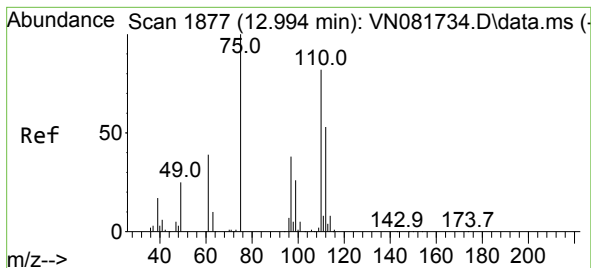
Ion Ratio Lower Upper

83 100

131 26.2 5.5 16.4#

85 0.0 32.9 98.6#

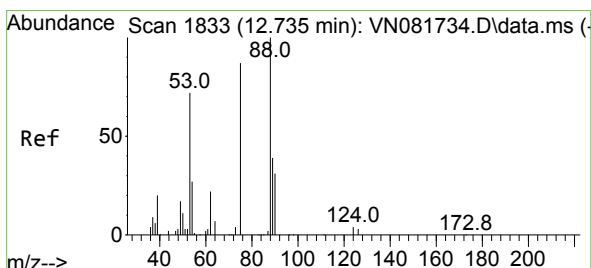
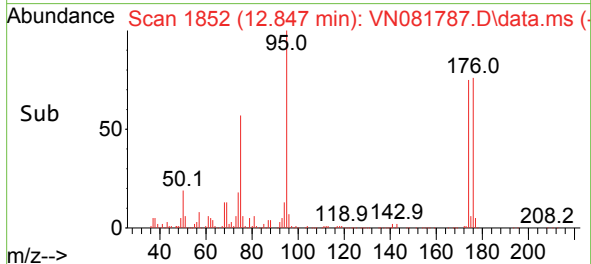
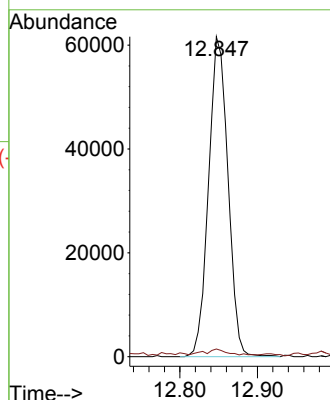
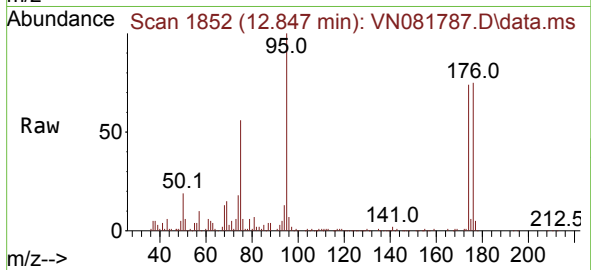




#76
1,2,3-Trichloropropane
Concen: 31.263 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081787.D
Acq: 18 Apr 2024 15:06

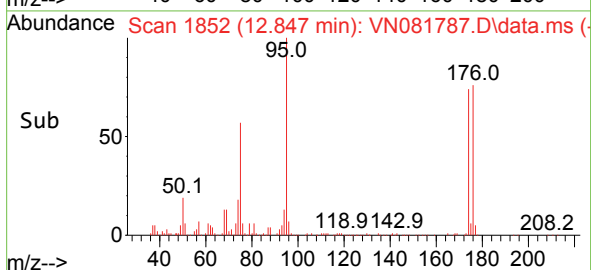
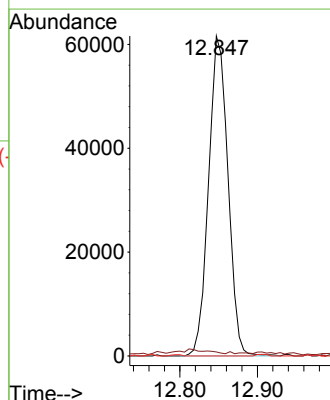
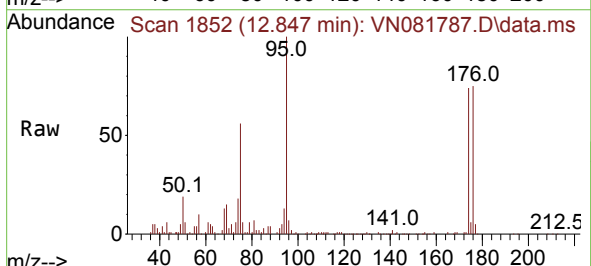
Instrument :
MSVOA_N
ClientSampleId :

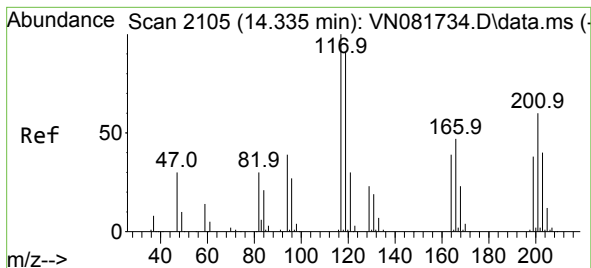
Tgt Ion: 75 Resp: 107150
Ion Ratio Lower Upper
75 100
77 1.9 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.746 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN081787.D
Acq: 18 Apr 2024 15:06

Tgt Ion: 75 Resp: 107150
Ion Ratio Lower Upper
75 100
53 0.3 72.9 109.3#
89 0.0 39.1 58.7#





#90

Hexachloroethane

Concen: 0.418 ug/l

RT: 14.341 min Scan# 2106

Delta R.T. 0.006 min

Lab File: VN081787.D

Acq: 18 Apr 2024 15:06

Instrument :

MSVOA_N

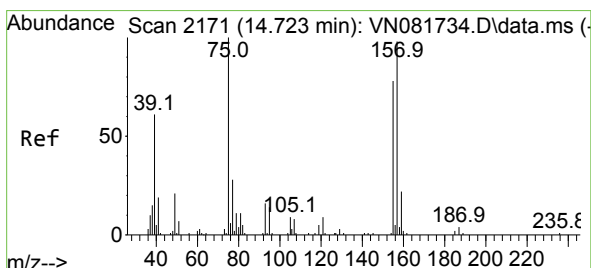
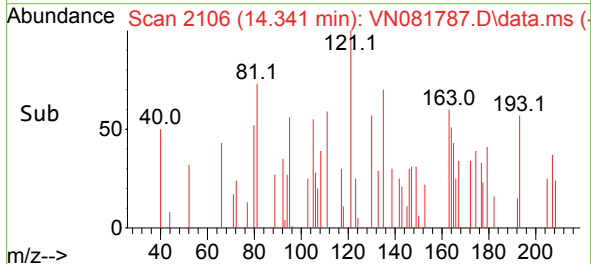
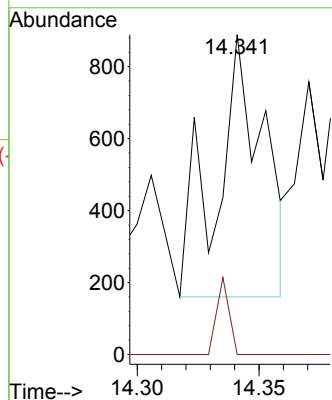
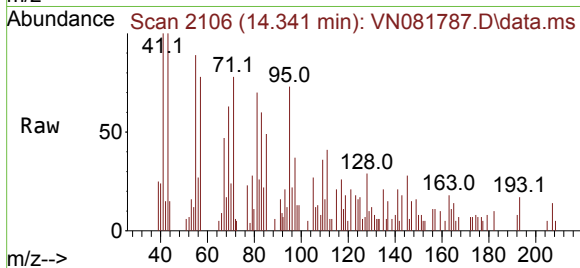
ClientSampleId :

Tgt Ion:117 Resp: 984

Ion Ratio Lower Upper

117 100

201 7.6 33.3 99.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.723 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VN081787.D

Acq: 18 Apr 2024 15:06

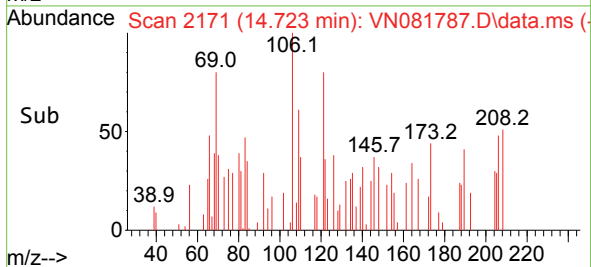
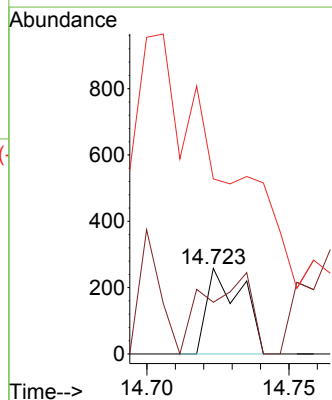
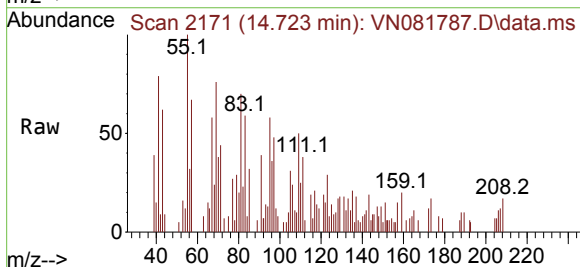
Tgt Ion: 75 Resp: 222

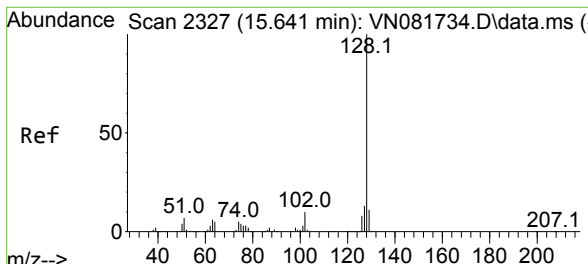
Ion Ratio Lower Upper

75 100

155 124.3 42.6 128.0

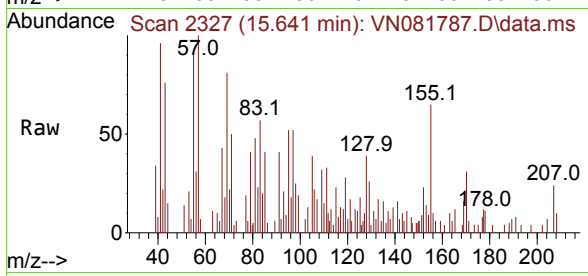
157 0.0 53.0 159.0#





#95
 Naphthalene
 Concen: 0.309 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN081787.D
 Acq: 18 Apr 2024 15:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:128 Resp: 3238

Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.1	15.1
129	17.9	8.9	13.3#

