

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041824\
 Data File : VN081797.D
 Acq On : 18 Apr 2024 19:06
 Operator : JC\MD
 Sample : P2121-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 02:11:57 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)

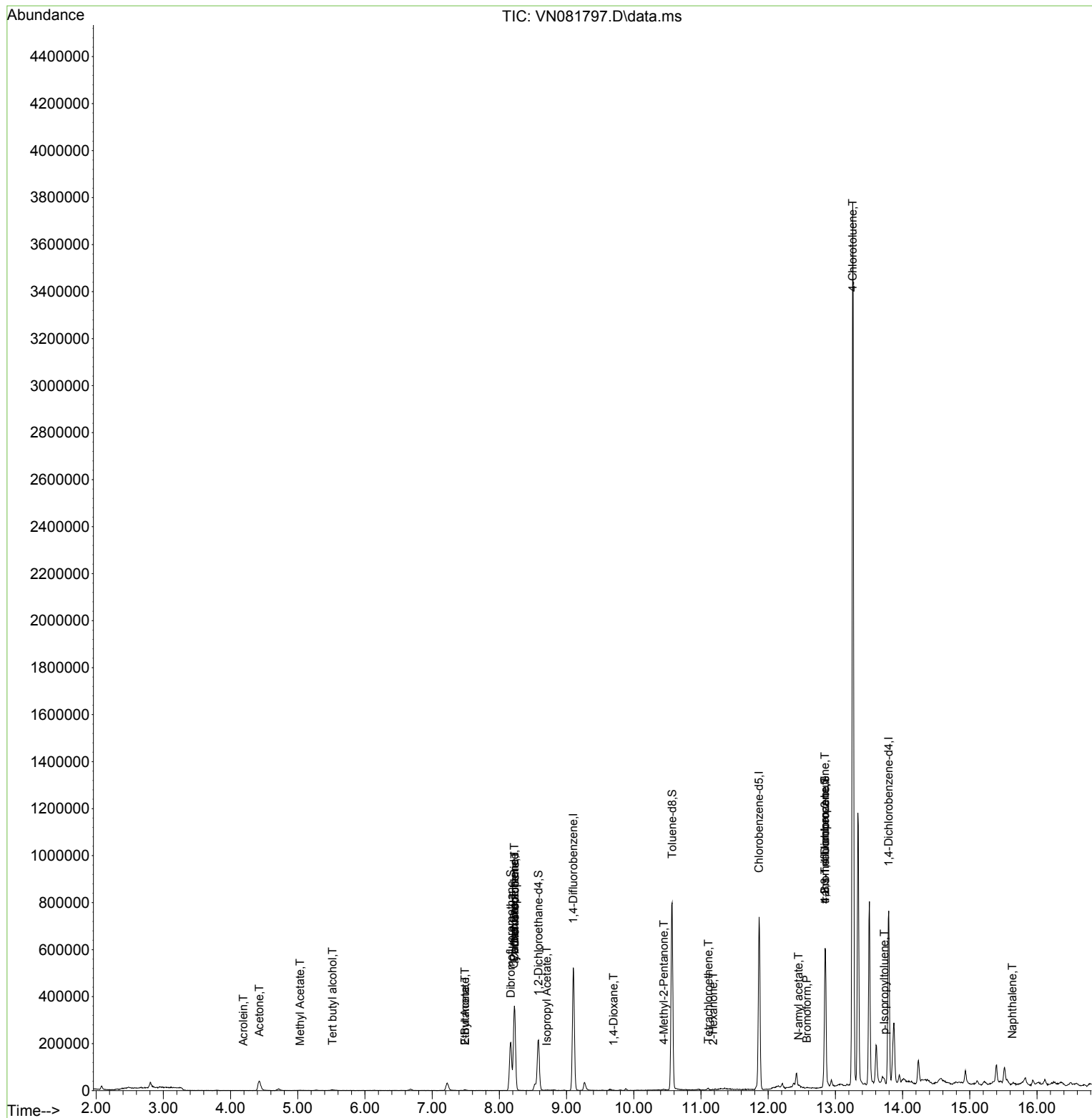
Internal Standards						
1) Pentafluorobenzene	8.224	168	255670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	455227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	421410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	196272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	184530	51.291	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.580%			
35) Dibromofluoromethane	8.171	113	147348	49.017	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.040%			
50) Toluene-d8	10.571	98	564835	51.004	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.000%			
62) 4-Bromofluorobenzene	12.847	95	202528	53.517	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 107.040%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	960	Below Cal		99
6) Chloroethane	3.118	64	1040	Below Cal	#	44
11) Tert butyl alcohol	5.518	59	4618	9.410	ug/l #	85
13) Acrolein	4.189	56	220	0.422	ug/l #	15
16) Acetone	4.430	43	76926	76.824	ug/l	99
18) Methyl Acetate	5.036	43	1518	0.542	ug/l #	68
20) Methylene Chloride	5.271	84	868	Below Cal	#	77
25) 2-Butanone	7.488	43	4856	2.942	ug/l #	83
31) Cyclohexane	8.218	56	5977	1.211	ug/l #	36
36) 1,1-Dichloropropene	8.229	75	21794	5.204	ug/l #	49
37) Ethyl Acetate	7.488	43	4856	1.411	ug/l #	68
38) Carbon Tetrachloride	8.224	117	28350	5.818	ug/l #	16
43) Isopropyl Acetate	8.706	43	1913	0.298	ug/l #	52
49) 1,4-Dioxane	9.700	88	181	2.758	ug/l #	57
51) 4-Methyl-2-Pentanone	10.447	43	2280	0.638	ug/l #	80
59) 2-Hexanone	11.182	43	712	0.275	ug/l #	34
64) Tetrachloroethene	11.112	164	1460	0.408	ug/l #	76
71) Bromoform	12.576	173	542	0.212	ug/l #	28
74) N-amyl acetate	12.453	43	4978	0.929	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	108614	28.822	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	108614	67.711	ug/l #	12
82) 4-Chlorotoluene	13.259	91	2459	0.234	ug/l	86
86) p-Isopropyltoluene	13.729	119	13443	1.116	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	56	Below Cal	#	1
95) Naphthalene	15.635	128	3159	0.277	ug/l #	52

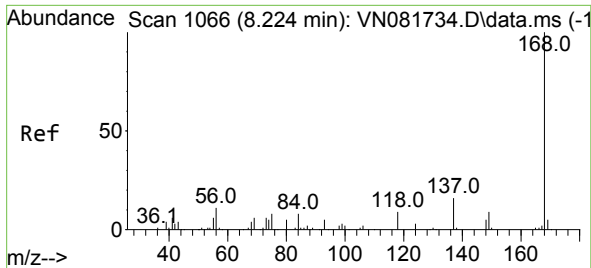
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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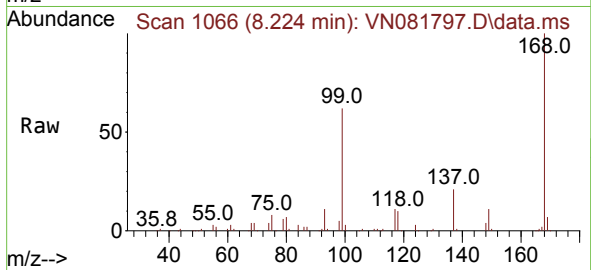
Quant Time: Apr 19 02:11:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 15:37:39 2024
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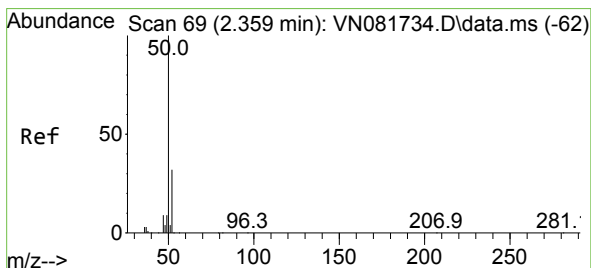
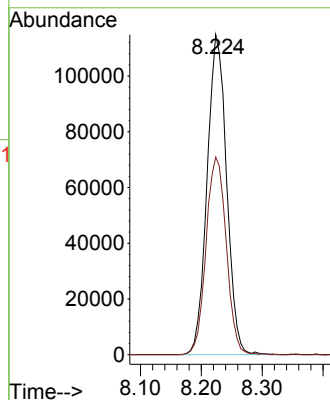
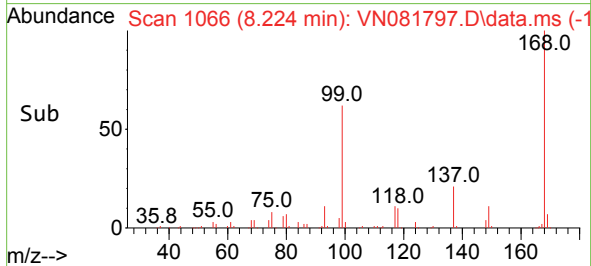


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :

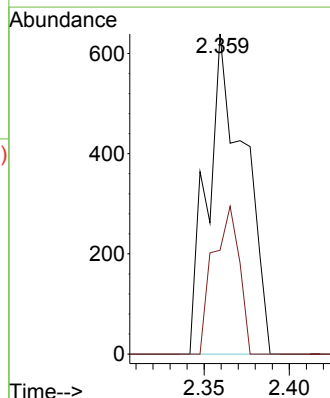
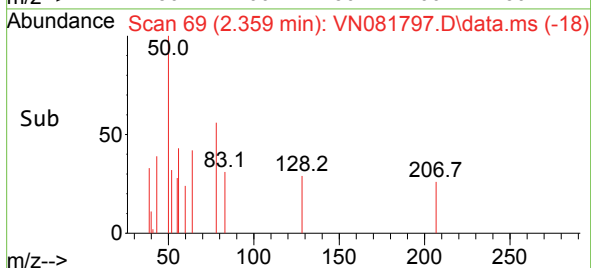
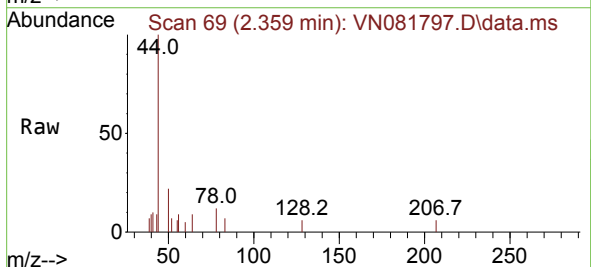


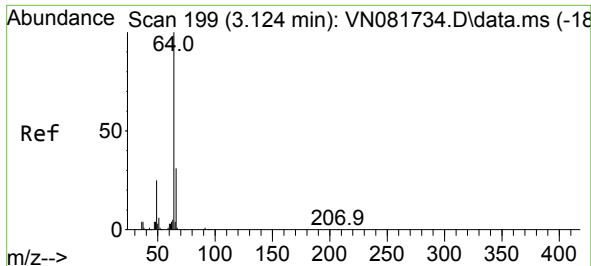
Tgt Ion:168 Resp: 255670
Ion Ratio Lower Upper
168 100
99 61.8 48.2 72.4



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

Tgt Ion: 50 Resp: 960
Ion Ratio Lower Upper
50 100
52 32.4 25.5 38.3

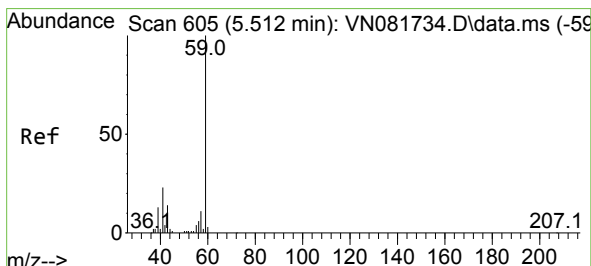
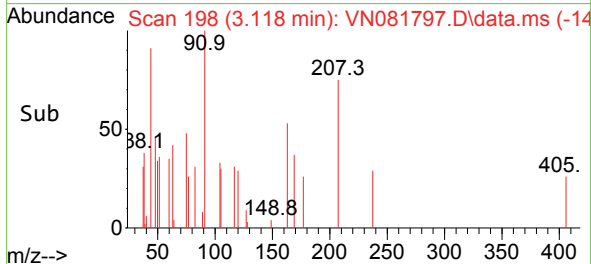
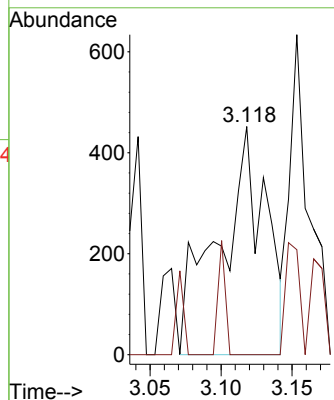
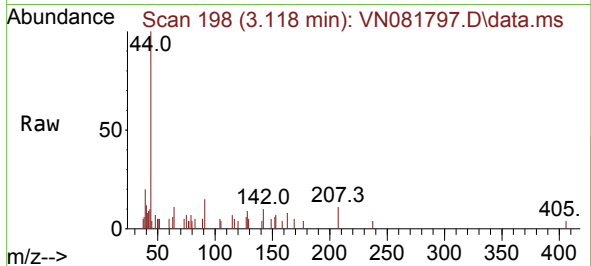




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 199
Delta R.T. -0.006 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

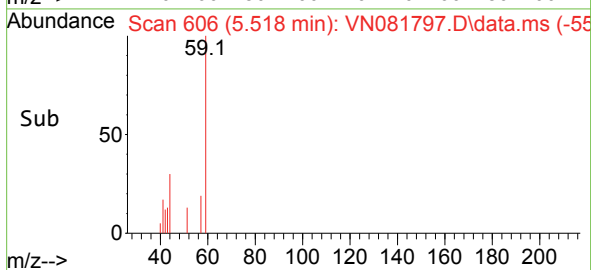
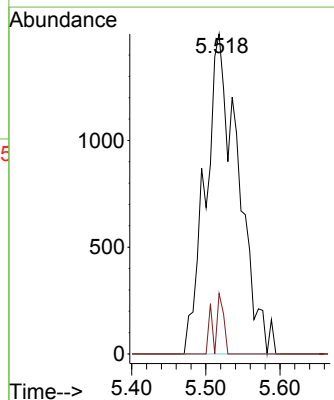
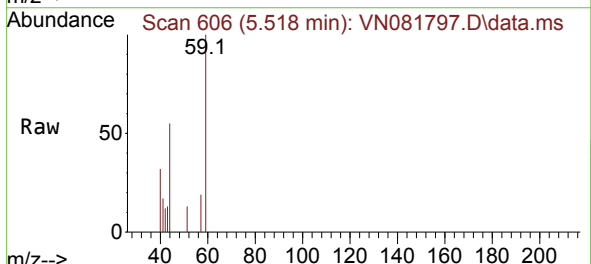
Instrument :
MSVOA_N
ClientSampleId :

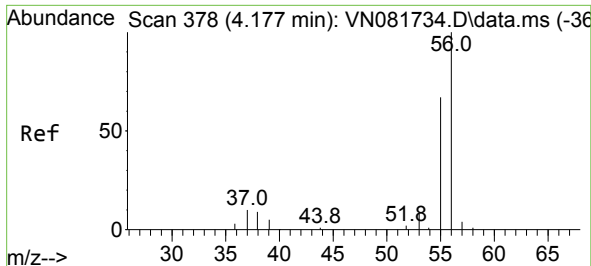
Tgt Ion: 64 Resp: 1040
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 9.410 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

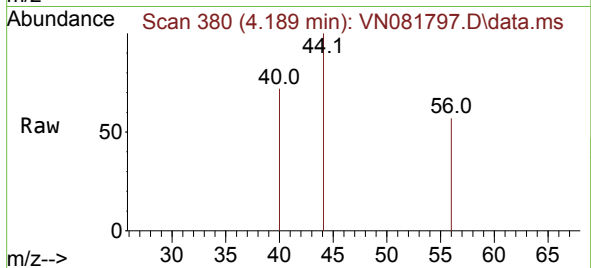
Tgt Ion: 59 Resp: 4618
Ion Ratio Lower Upper
59 100
57 5.4 8.9 13.3#



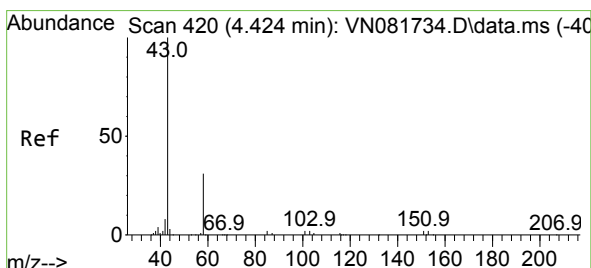
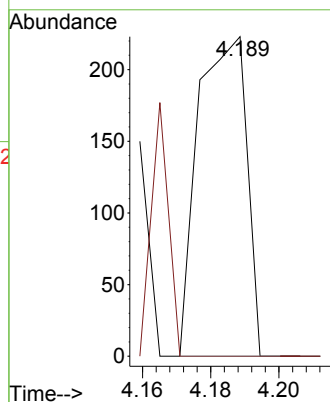
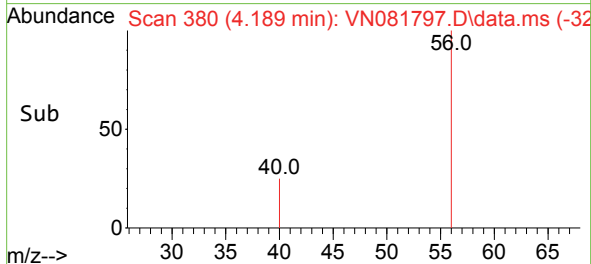


#13
Acrolein
Concen: 0.422 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

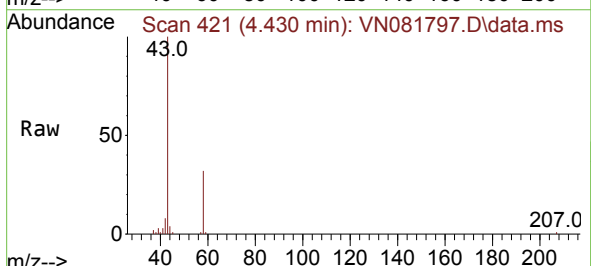
Instrument :
MSVOA_N
ClientSampleId :



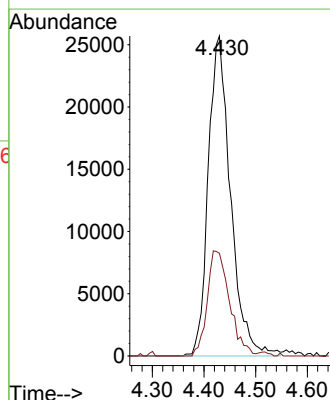
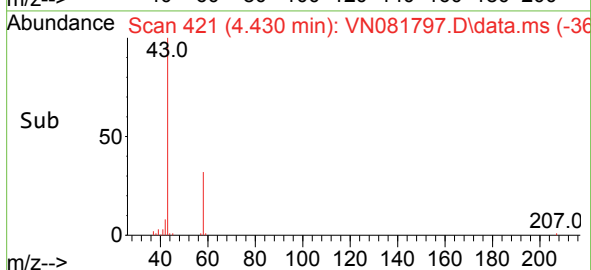
Tgt Ion: 56 Resp: 220
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

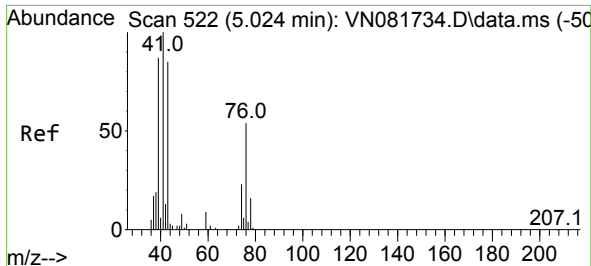


#16
Acetone
Concen: 76.824 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06



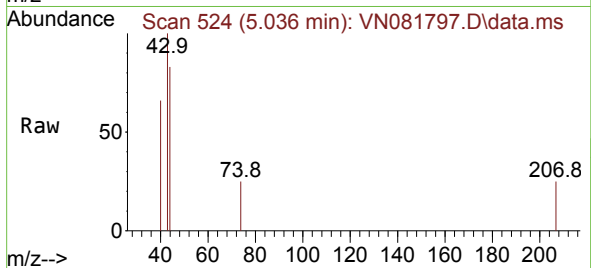
Tgt Ion: 43 Resp: 76926
Ion Ratio Lower Upper
43 100
58 32.1 25.2 37.8



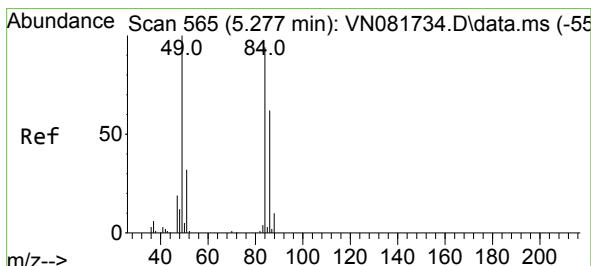
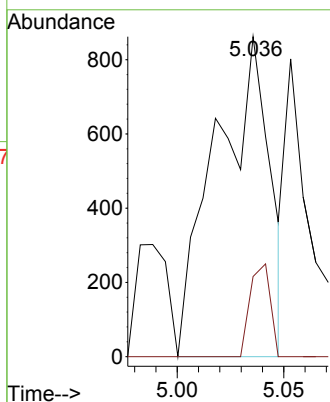
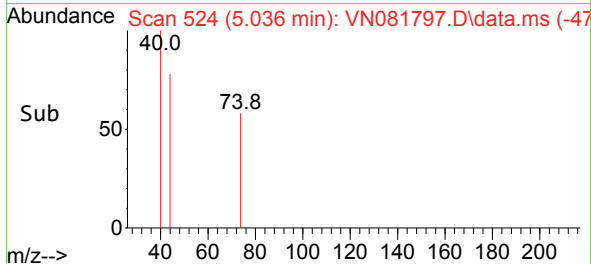


#18
Methyl Acetate
Concen: 0.542 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :

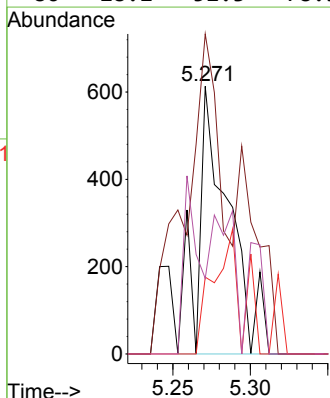
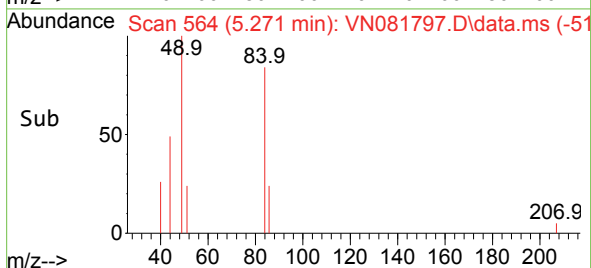
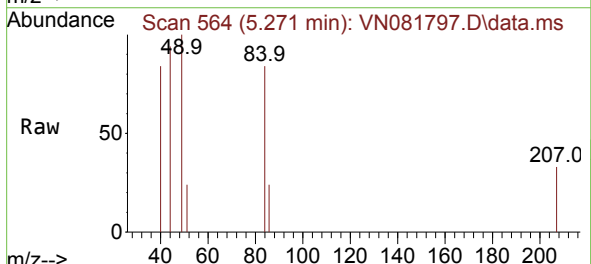


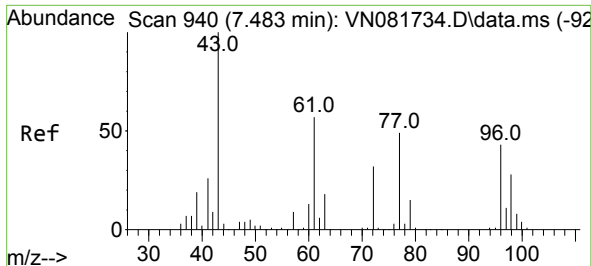
Tgt Ion: 43 Resp: 1518
Ion Ratio Lower Upper
43 100
74 10.8 22.2 33.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

Tgt Ion: 84 Resp: 868
Ion Ratio Lower Upper
84 100
49 119.6 84.9 127.3
51 28.7 27.0 40.6
86 28.2 52.3 78.5#

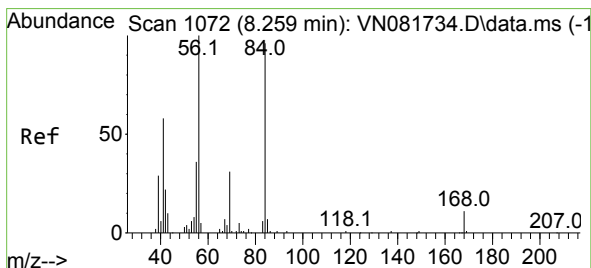
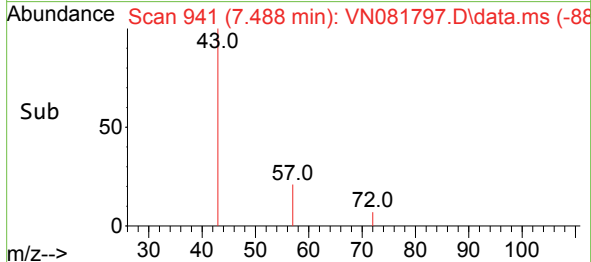
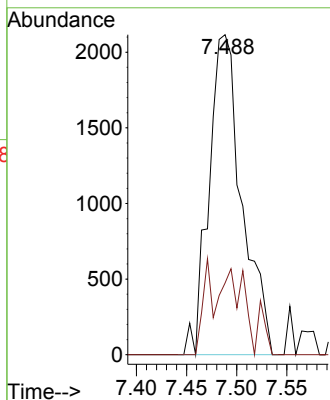
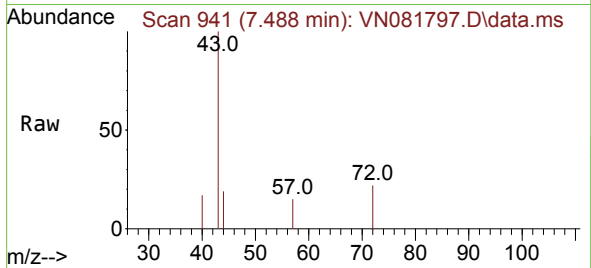




#25
2-Butanone
Concen: 2.942 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.005 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

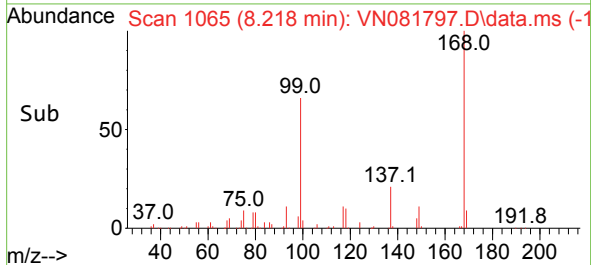
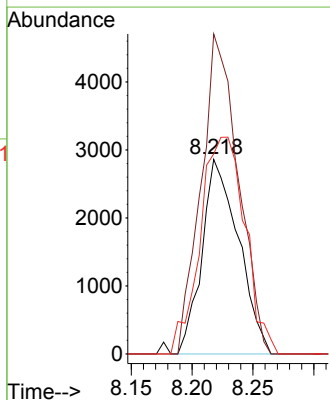
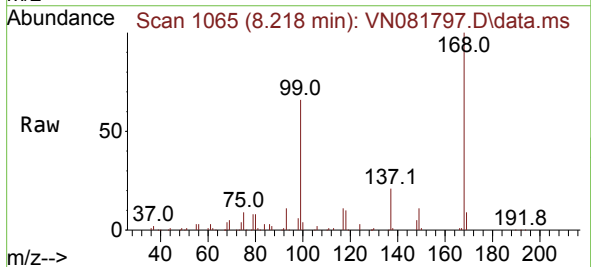
Instrument :
MSVOA_N
ClientSampleId :

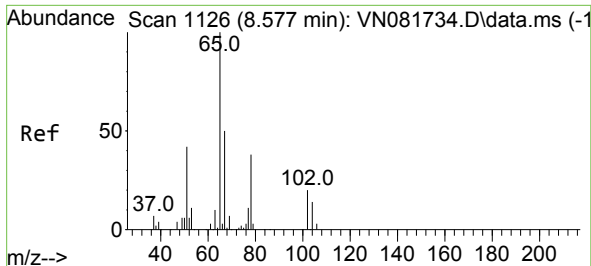
Tgt Ion: 43 Resp: 4856
Ion Ratio Lower Upper
43 100
72 22.4 25.3 37.9#



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

Tgt Ion: 56 Resp: 5977
Ion Ratio Lower Upper
56 100
69 164.5 24.4 36.6#
84 102.8 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 51.291 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.005 min

Lab File: VN081797.D

Acq: 18 Apr 2024 19:06

Instrument :

MSVOA_N

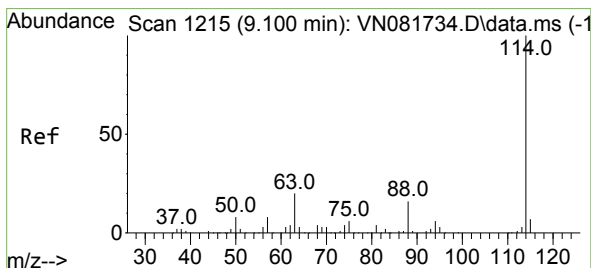
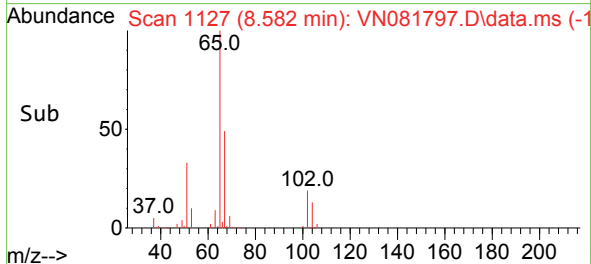
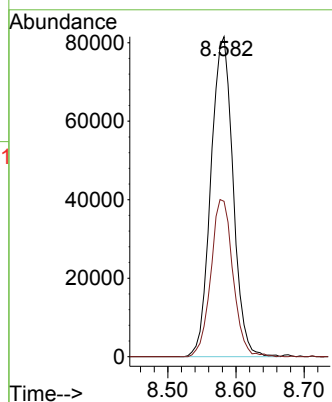
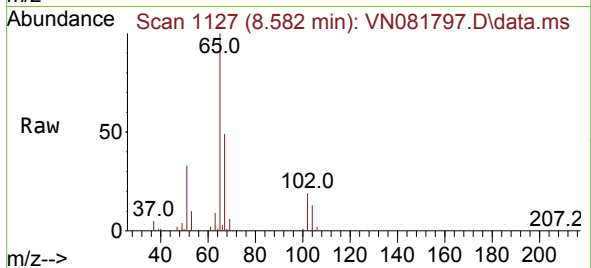
ClientSampleId :

Tgt Ion: 65 Resp: 184530

Ion Ratio Lower Upper

65 100

67 49.0 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: VN081797.D

Acq: 18 Apr 2024 19:06

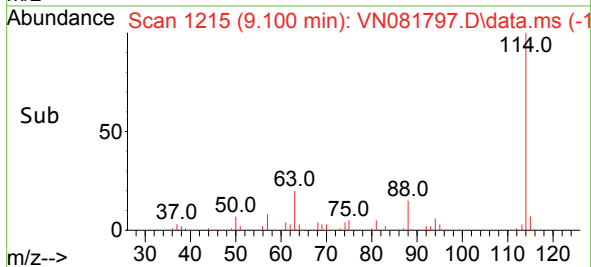
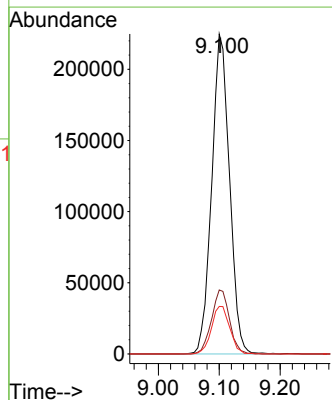
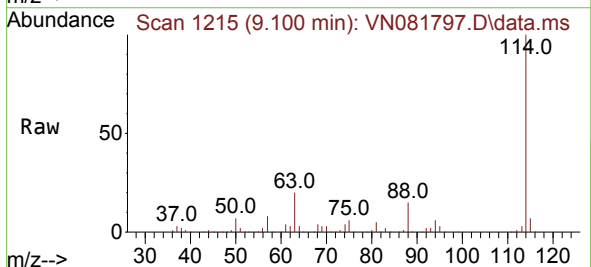
Tgt Ion: 114 Resp: 455227

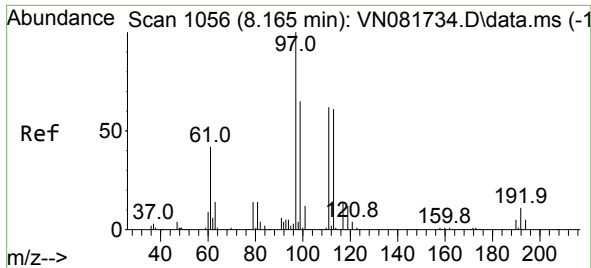
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.0

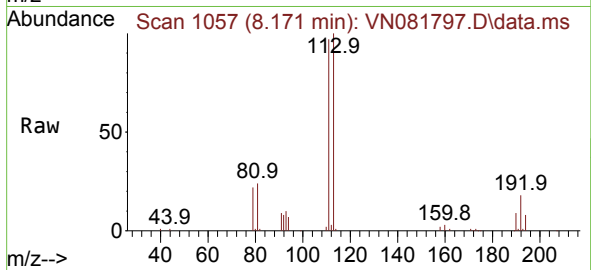
88 14.8 0.0 31.4



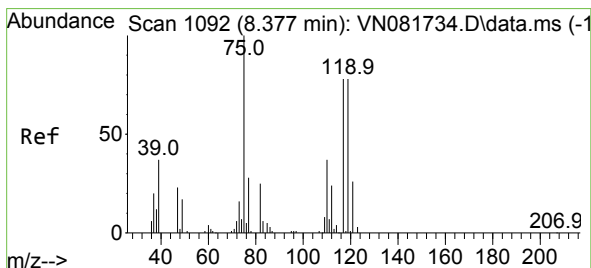
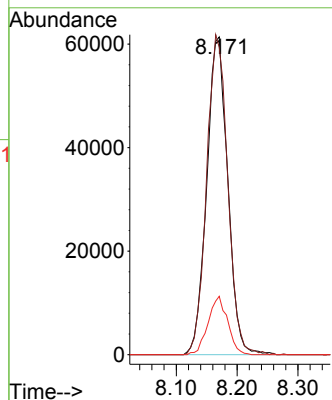
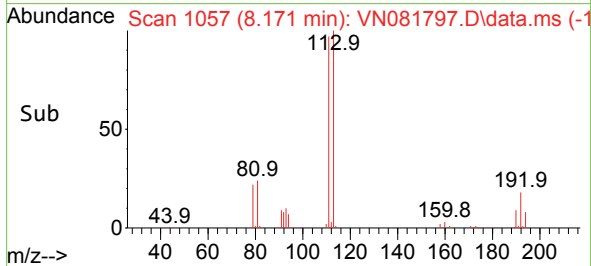


#35
 Dibromofluoromethane
 Concen: 49.017 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VN081797.D
 Acq: 18 Apr 2024 19:06

Instrument :
 MSVOA_N
 ClientSampleId :

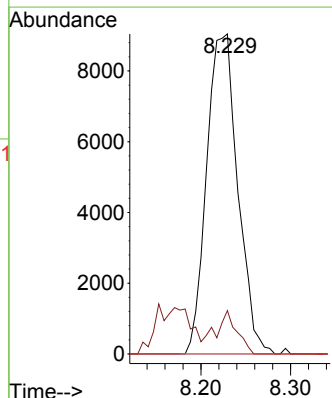
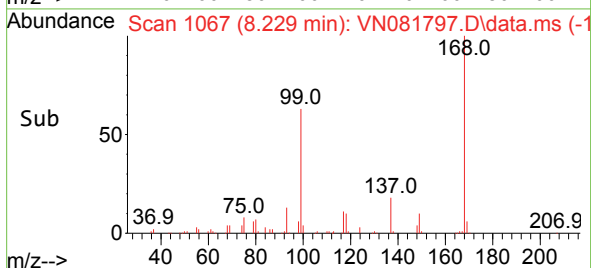
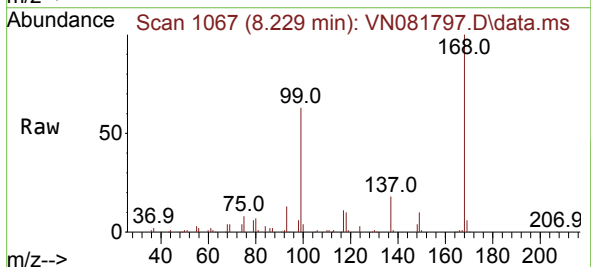


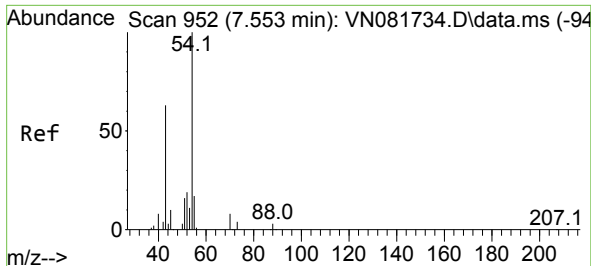
Tgt Ion:113 Resp: 147348
 Ion Ratio Lower Upper
 113 100
 111 101.1 83.4 125.2
 192 17.1 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 5.204 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.148 min
 Lab File: VN081797.D
 Acq: 18 Apr 2024 19:06

Tgt Ion: 75 Resp: 21794
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.8 53.5#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.411 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.065 min

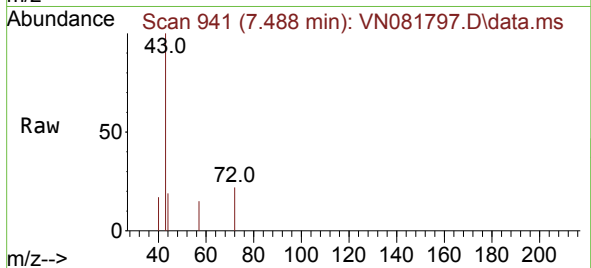
Lab File: VN081797.D

Acq: 18 Apr 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :



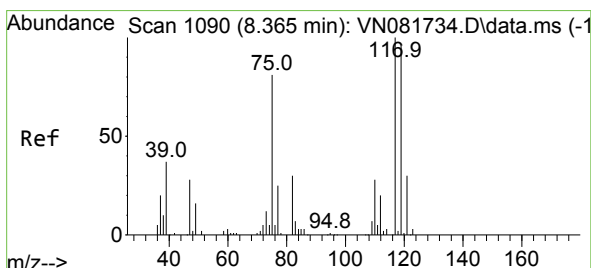
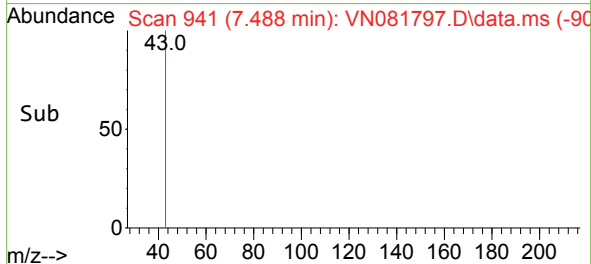
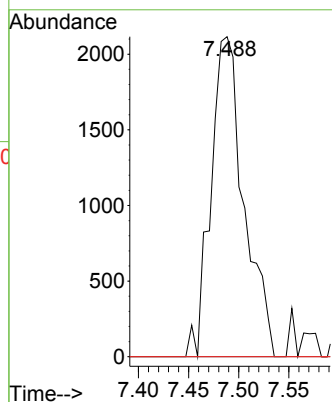
Tgt Ion: 43 Resp: 4856

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.818 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081797.D

Acq: 18 Apr 2024 19:06

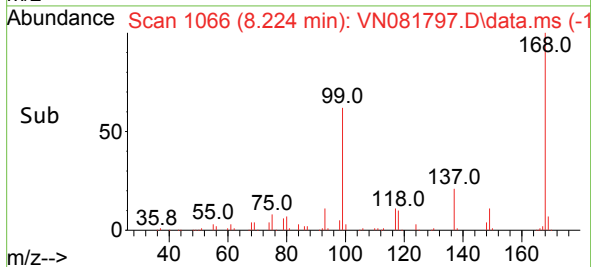
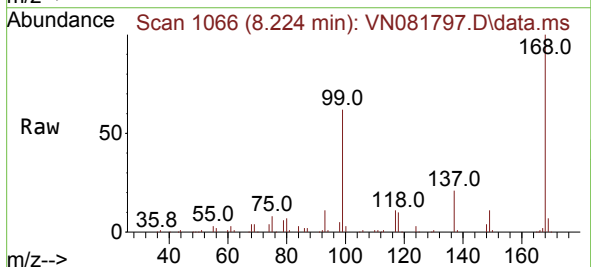
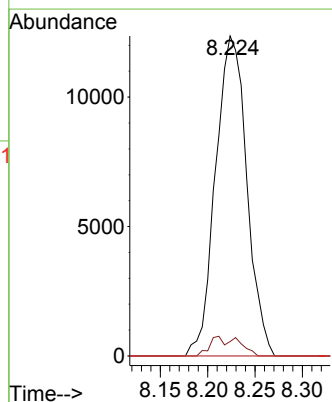
Tgt Ion: 117 Resp: 28350

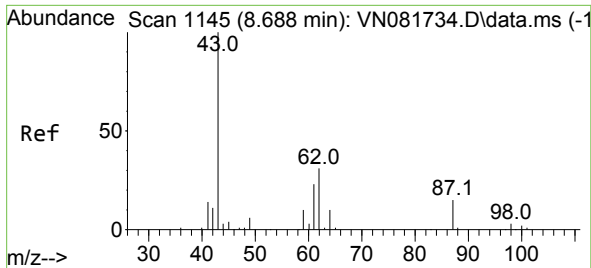
Ion Ratio Lower Upper

117 100

119 4.5 76.5 114.7#

121 0.0 23.9 35.9#

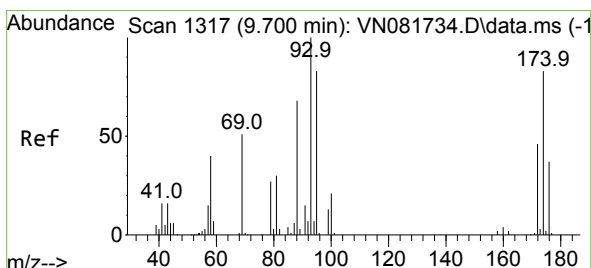
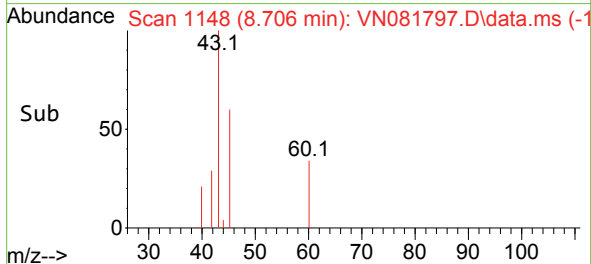
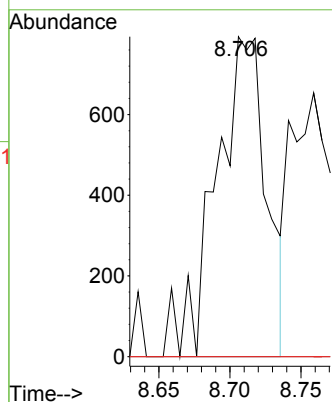
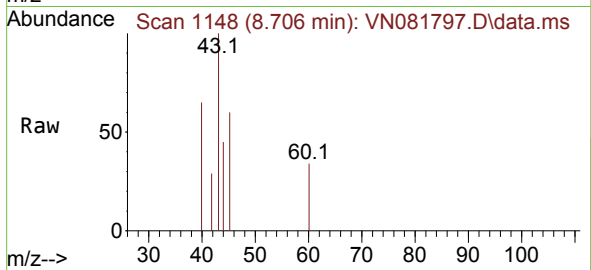




#43
Isopropyl Acetate
Concen: 0.298 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.018 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

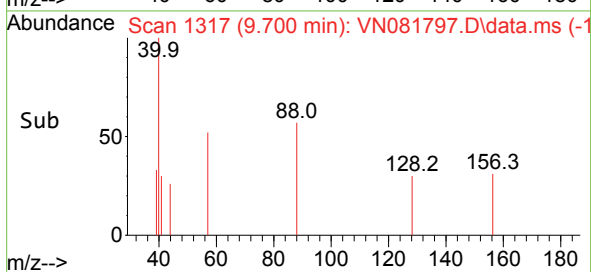
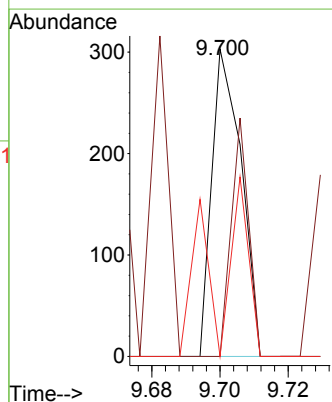
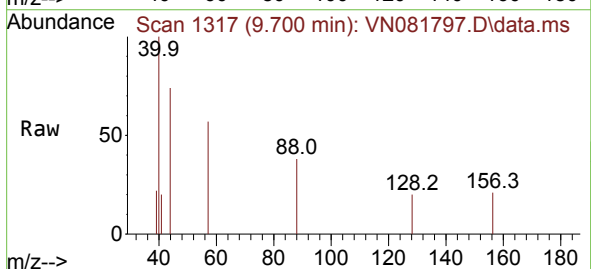
Instrument :
MSVOA_N
ClientSampleId :

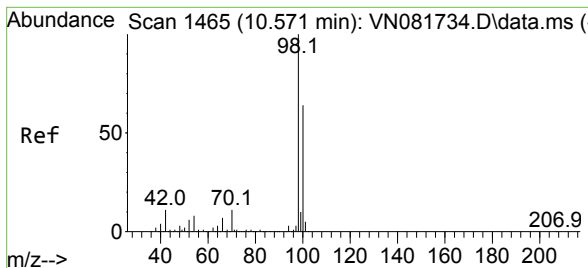
Tgt Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#49
1,4-Dioxane
Concen: 2.758 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

Tgt Ion: 88 Resp: 181
Ion Ratio Lower Upper
88 100
43 45.9 19.0 28.6#
58 30.4 50.6 76.0#

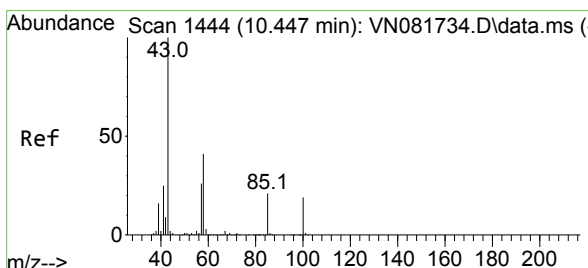
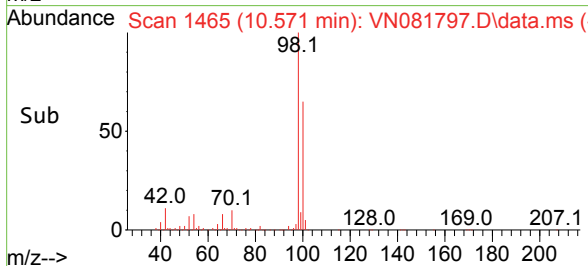
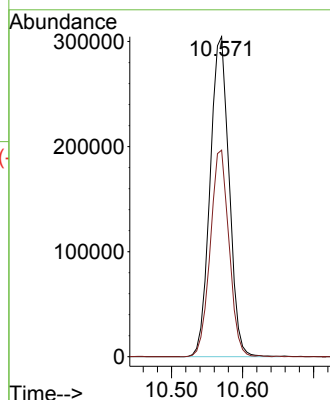
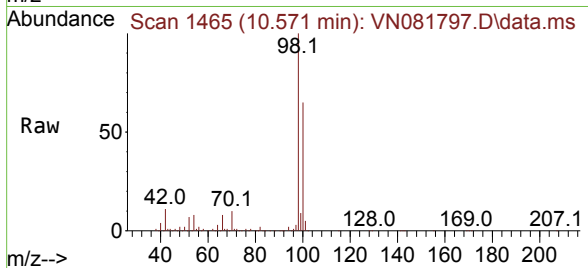




#50
Toluene-d8
Concen: 51.004 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

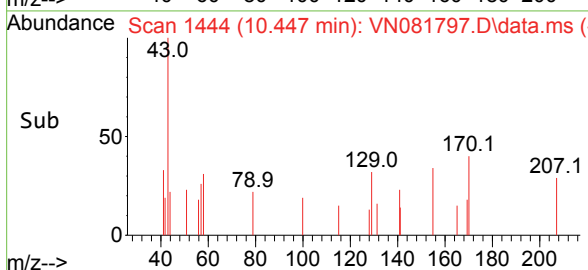
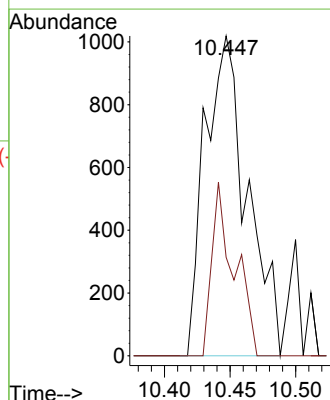
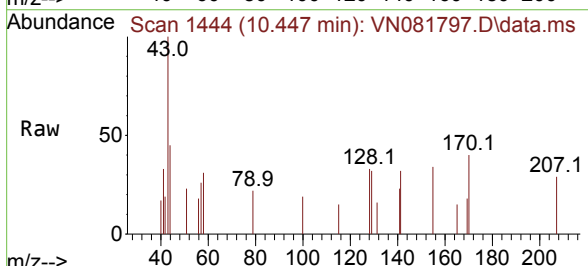
Instrument :
MSVOA_N
ClientSampleId :

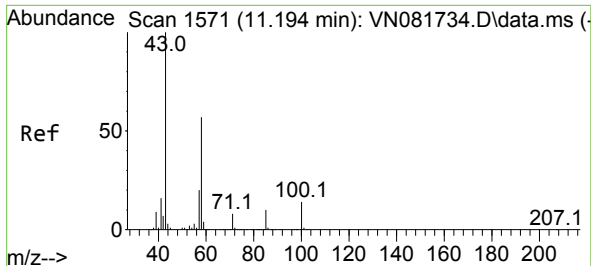
Tgt Ion: 98 Resp: 564835
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 0.638 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

Tgt Ion: 43 Resp: 2280
Ion Ratio Lower Upper
43 100
58 28.9 33.2 49.8#

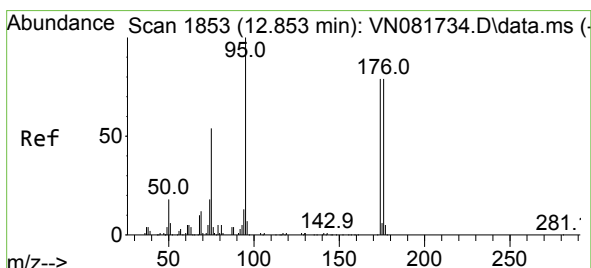
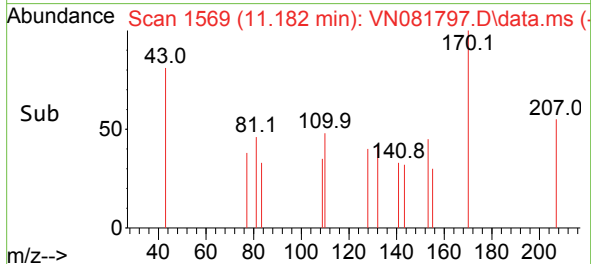
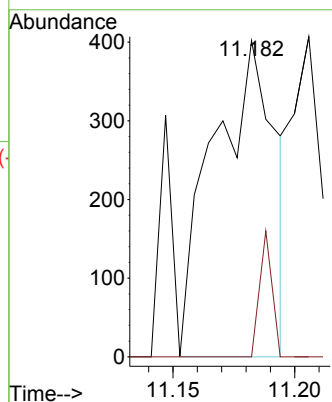
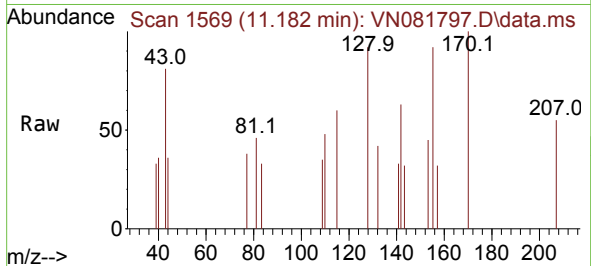




#59
2-Hexanone
Concen: 0.275 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. -0.012 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

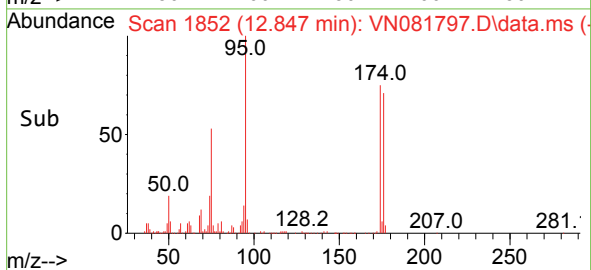
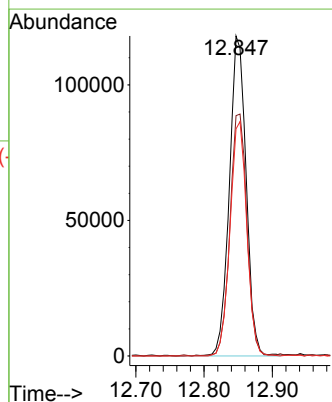
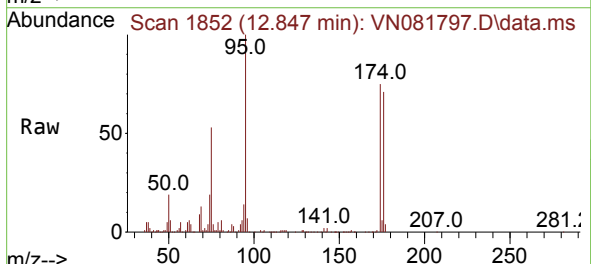
Instrument :
MSVOA_N
ClientSampleId :

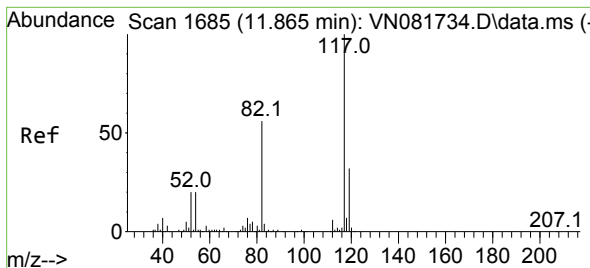
Tgt Ion: 43 Resp: 712
Ion Ratio Lower Upper
43 100
58 7.9 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.517 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

Tgt Ion: 95 Resp: 202528
Ion Ratio Lower Upper
95 100
174 76.4 0.0 160.6
176 73.0 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: VN081797.D

Acq: 18 Apr 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :

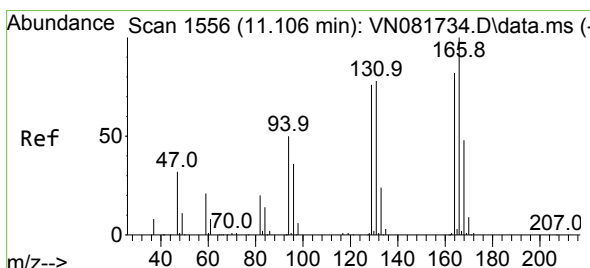
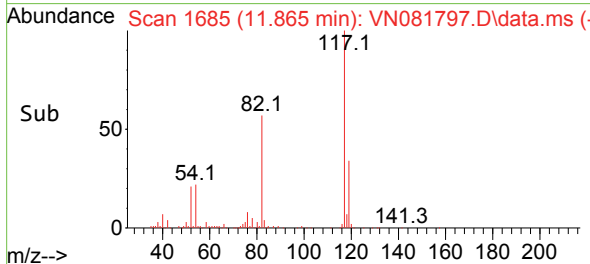
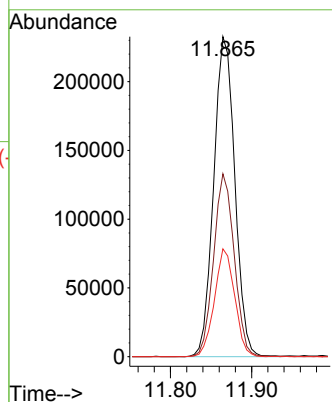
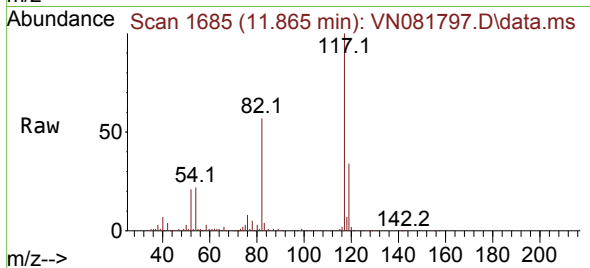
Tgt Ion:117 Resp: 421410

Ion Ratio Lower Upper

117 100

82 57.2 44.6 66.8

119 33.7 25.9 38.9



#64

Tetrachloroethene

Concen: 0.408 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. 0.006 min

Lab File: VN081797.D

Acq: 18 Apr 2024 19:06

Tgt Ion:164 Resp: 1460

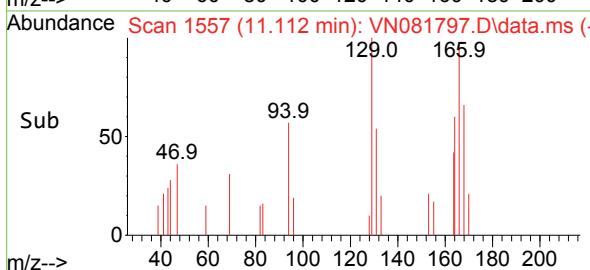
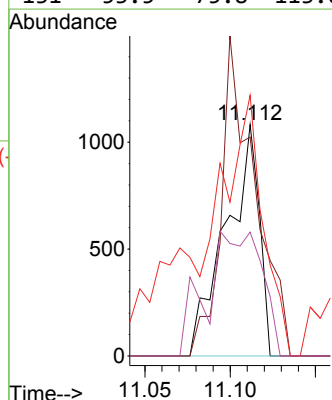
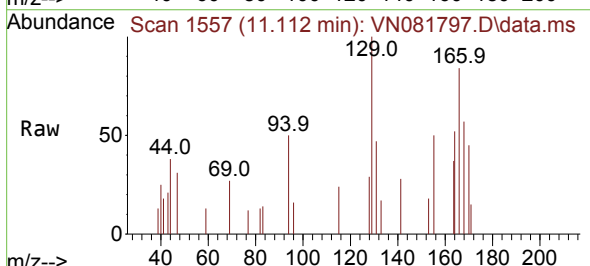
Ion Ratio Lower Upper

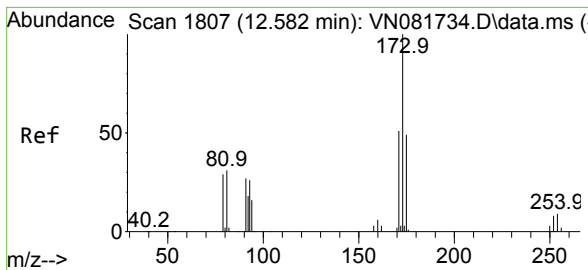
164 100

166 94.6 97.6 146.4#

129 87.0 73.7 110.5

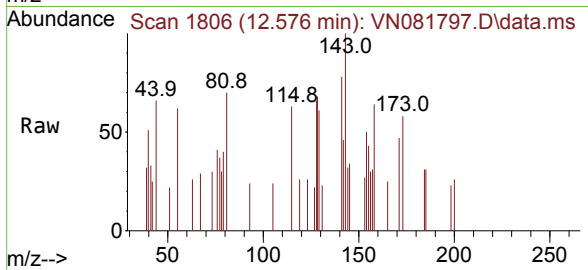
131 53.5 75.8 113.6#



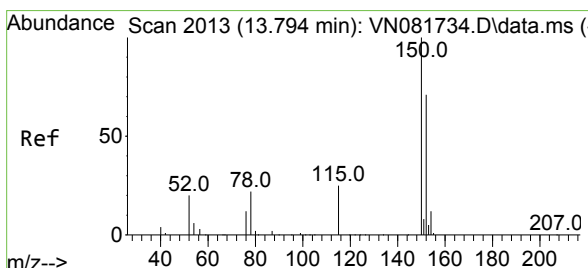
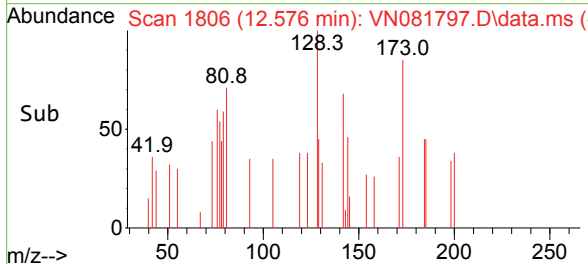
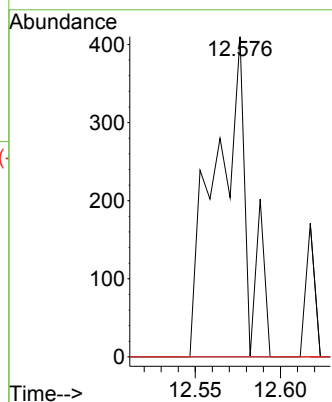


#71
Bromoform
Concen: 0.212 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :

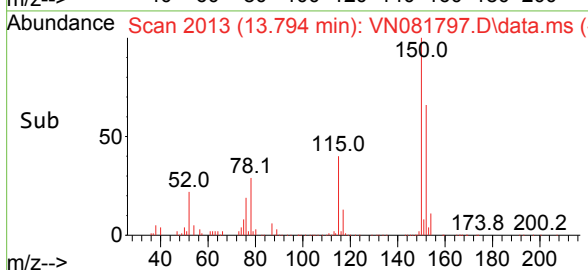
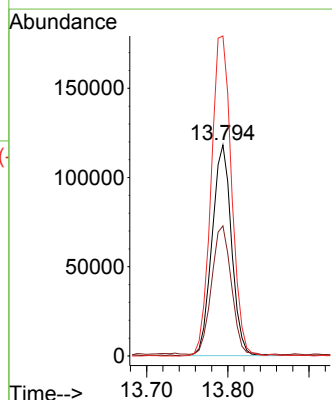
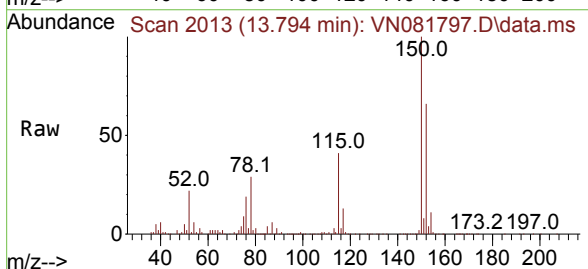


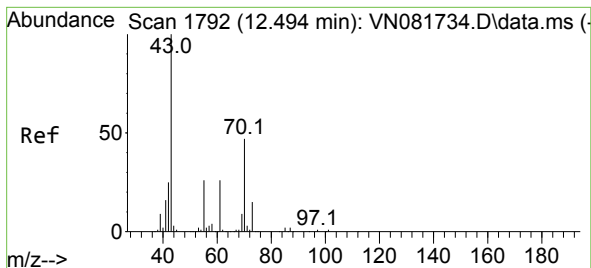
Tgt Ion:173 Resp: 542
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

Tgt Ion:152 Resp: 196272
Ion Ratio Lower Upper
152 100
115 62.6 30.4 91.3
150 159.6 0.0 353.2





#74

N-amy1 acetate

Concen: 0.929 ug/l

RT: 12.453 min Scan# 1

Delta R.T. -0.041 min

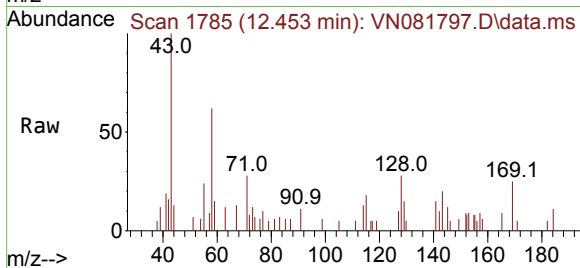
Lab File: VN081797.D

Acq: 18 Apr 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 4978

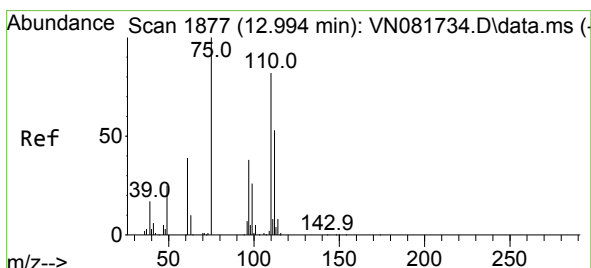
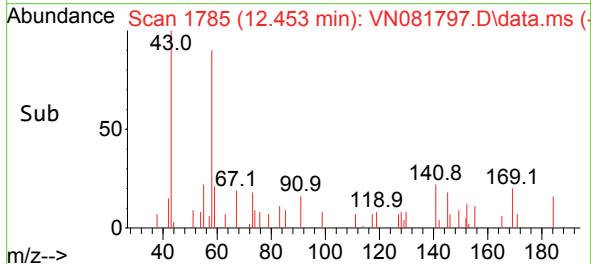
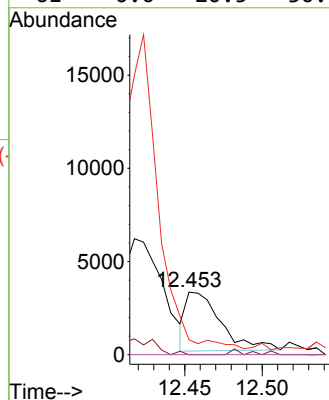
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 28.822 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081797.D

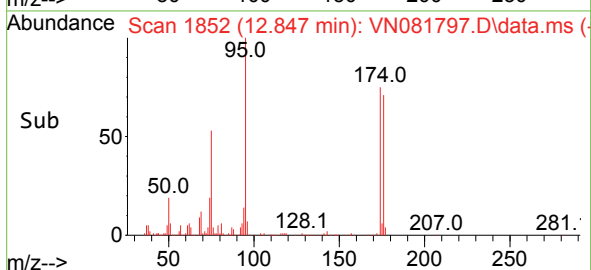
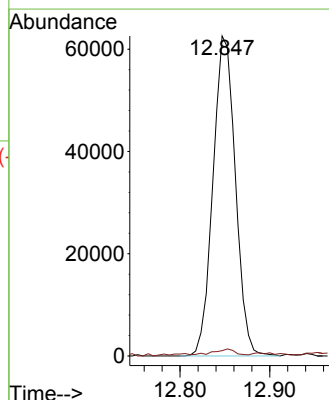
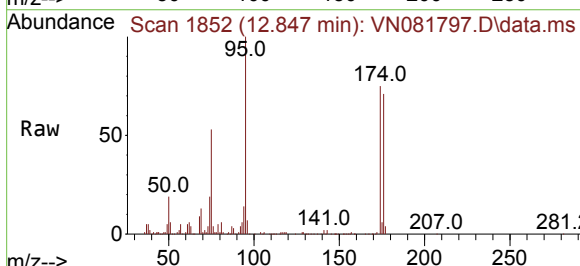
Acq: 18 Apr 2024 19:06

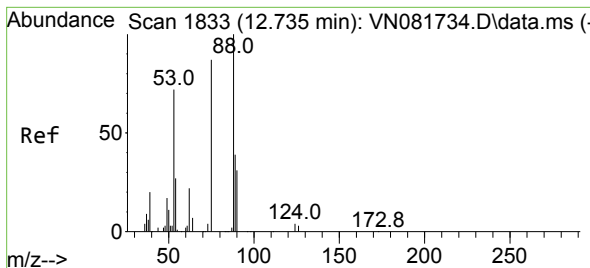
Tgt Ion: 75 Resp: 108614

Ion Ratio Lower Upper

75 100

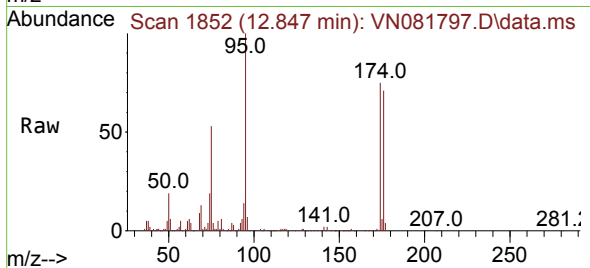
77 1.8 90.5 271.3#



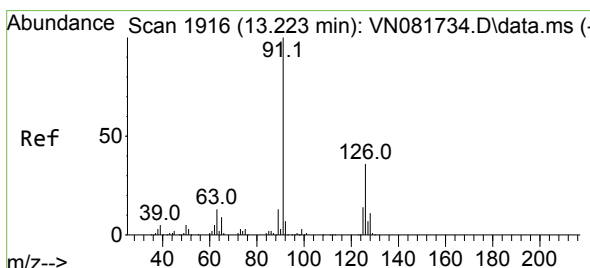
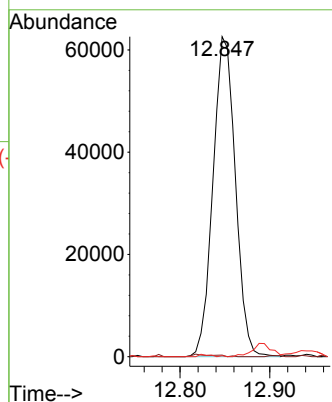
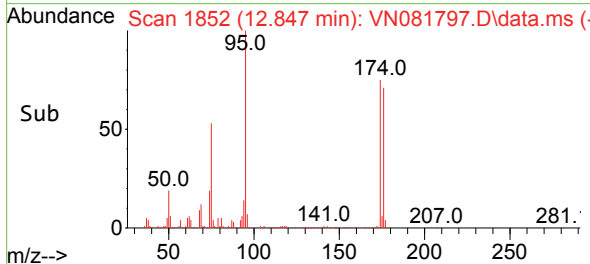


#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.711 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN081797.D
 Acq: 18 Apr 2024 19:06

Instrument :
 MSVOA_N
 ClientSampleId :

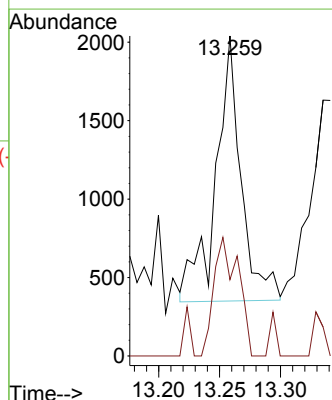
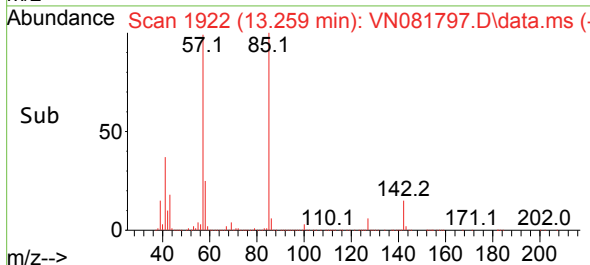
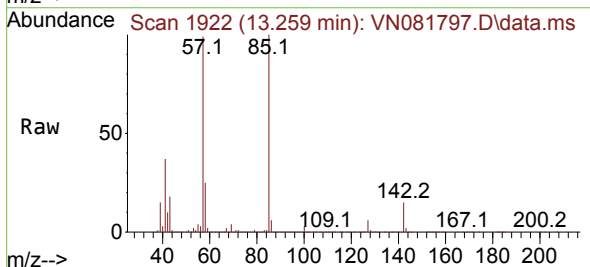


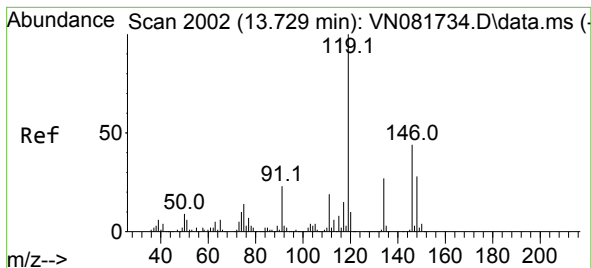
Tgt Ion: 75 Resp: 108614
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#



#82
 4-Chlorotoluene
 Concen: 0.234 ug/l
 RT: 13.259 min Scan# 1922
 Delta R.T. 0.036 min
 Lab File: VN081797.D
 Acq: 18 Apr 2024 19:06

Tgt Ion: 91 Resp: 2459
 Ion Ratio Lower Upper
 91 100
 126 42.7 17.4 52.3





#86

p-Isopropyltoluene

Concen: 1.116 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN081797.D

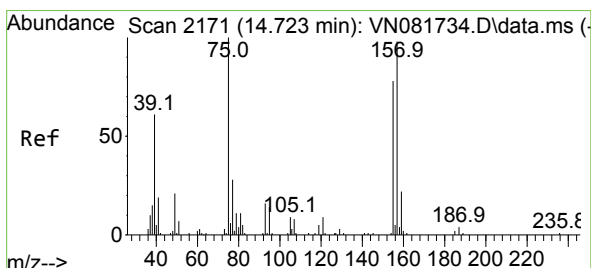
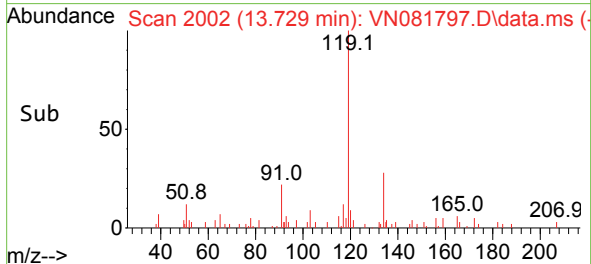
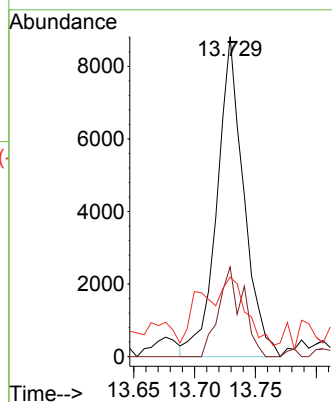
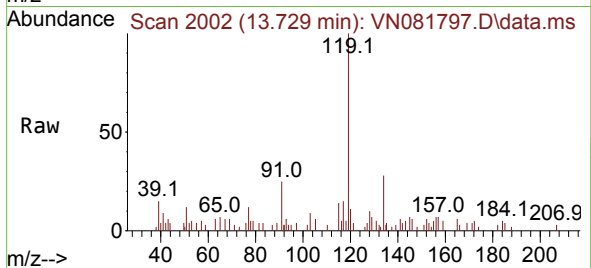
Acq: 18 Apr 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:119	Resp:	13443
Ion	Ratio	Lower Upper
119	100	
134	25.8	13.2 39.5
91	19.4	11.8 35.3



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

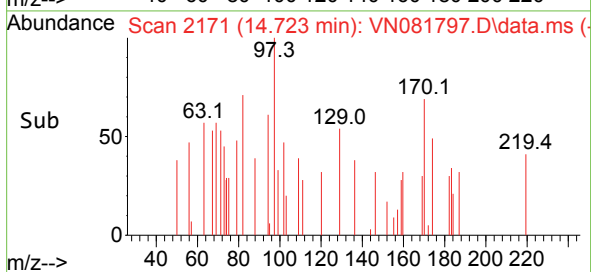
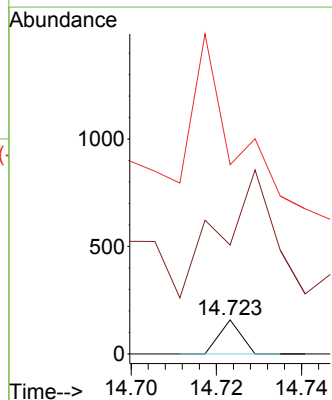
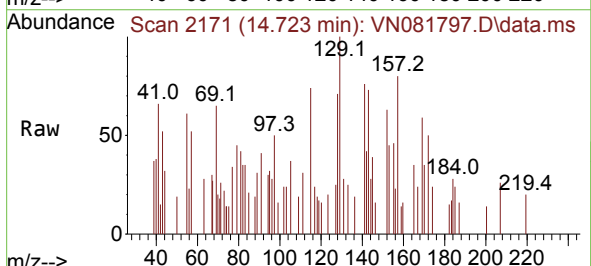
RT: 14.723 min Scan# 2171

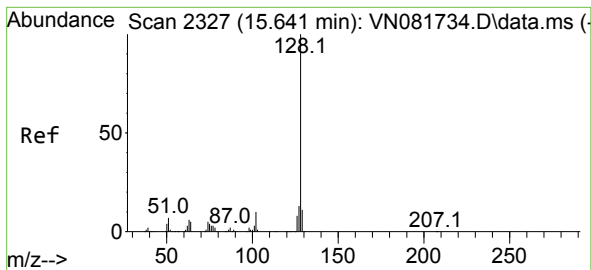
Delta R.T. 0.000 min

Lab File: VN081797.D

Acq: 18 Apr 2024 19:06

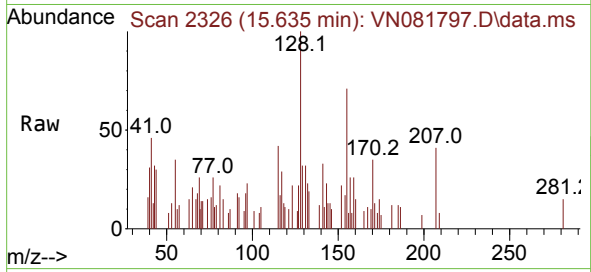
Tgt Ion: 75	Resp:	56
Ion	Ratio	Lower Upper
75	100	
155	982.1	42.6 128.0#
157	1567.9	53.0 159.0#





#95
Naphthalene
Concen: 0.277 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN081797.D
Acq: 18 Apr 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	3159
Ion	Ratio	Lower	Upper
128	100		
127	38.6	10.1	15.1#
129	21.3	8.9	13.3#

