

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070324\
 Data File : VN082797.D
 Acq On : 03 Jul 2024 12:50
 Operator : JC\MD
 Sample : PB161888TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:57:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 06:02:21 2024
 Response via : Initial Calibration

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

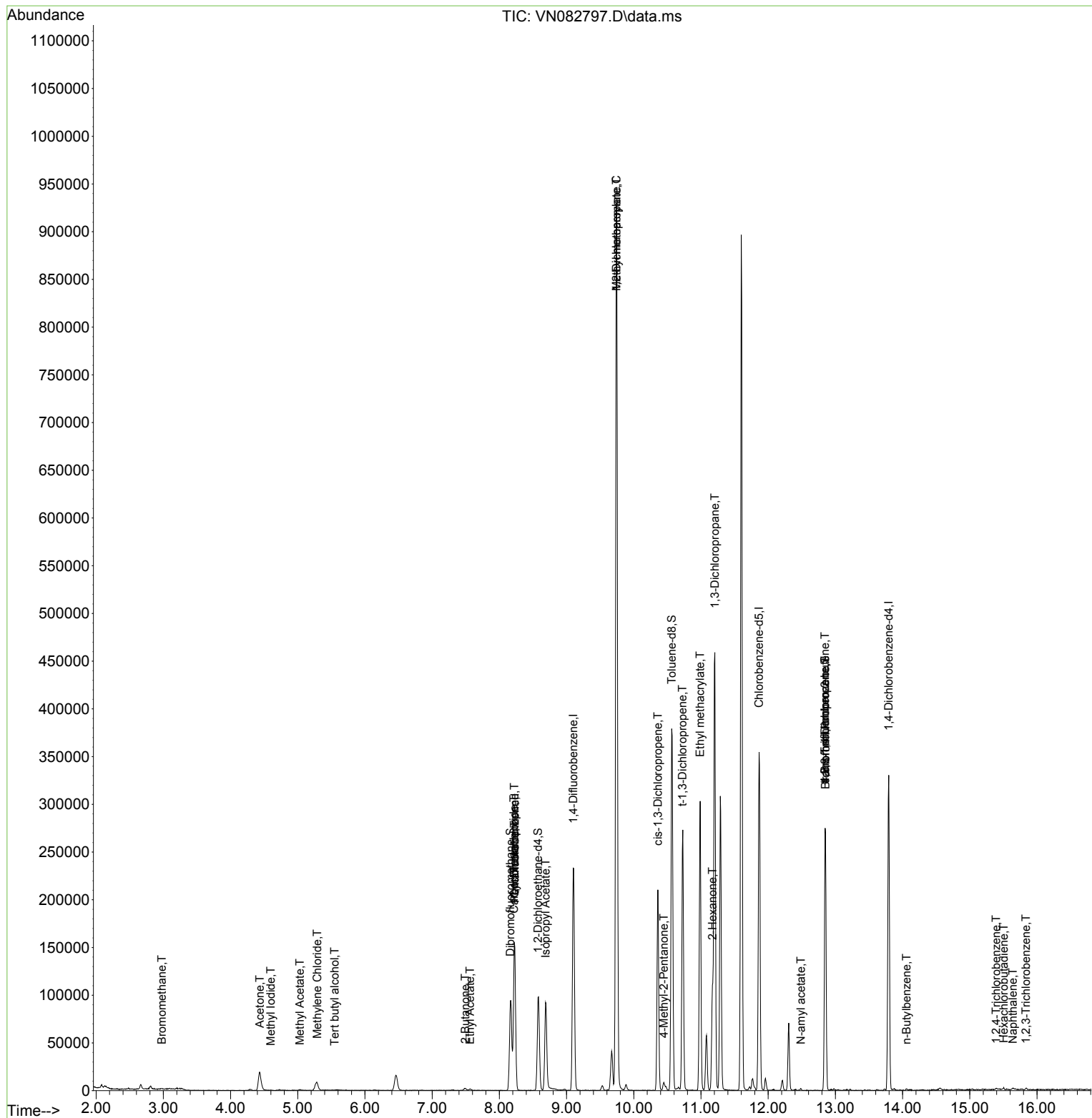
Internal Standards						
1) Pentafluorobenzene	8.230	168	110504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	204988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	205267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	87917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	83689	49.109	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.220%			
35) Dibromofluoromethane	8.165	113	67560	50.058	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.120%			
50) Toluene-d8	10.565	98	263087	52.124	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.240%			
62) 4-Bromofluorobenzene	12.847	95	92070	53.117	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 106.240%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	508	0.382	ug/l #	79
10) Methyl Iodide	4.600	142	547	0.451	ug/l #	38
11) Tert butyl alcohol	5.547	59	62	0.228	ug/l #	71
16) Acetone	4.436	43	36722	56.876	ug/l	98
18) Methyl Acetate	5.030	43	1454	0.847	ug/l #	75
20) Methylene Chloride	5.289	84	6826	4.178	ug/l #	81
25) 2-Butanone	7.494	43	4124	4.181	ug/l #	81
31) Cyclohexane	8.224	56	2803	1.167	ug/l #	55
36) 1,1-Dichloropropene	8.224	75	9491	4.893	ug/l #	51
37) Ethyl Acetate	7.565	43	2602	1.241	ug/l #	79
38) Carbon Tetrachloride	8.218	117	12093	5.330	ug/l #	16
43) Isopropyl Acetate	8.688	43	106498	29.291	ug/l #	92
45) 1,2-Dichloropropane	9.741	63	1234	0.800	ug/l #	44
48) Methyl methacrylate	9.741	41	86705	53.736	ug/l #	52
51) 4-Methyl-2-Pentanone	10.447	43	9191	4.286	ug/l #	75
53) t-1,3-Dichloropropene	10.724	75	704	0.324	ug/l #	79
54) cis-1,3-Dichloropropene	10.359	75	37446	16.405	ug/l #	55
56) Ethyl methacrylate	10.988	69	973	0.446	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5182	2.035	ug/l #	43
59) 2-Hexanone	11.171	43	84856	53.365	ug/l #	28
71) Bromoform	12.853	173	778	0.622	ug/l #	1
74) N-amyl acetate	12.488	43	1116	0.390	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	51947	27.089	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	51947	70.644	ug/l #	6
89) n-Butylbenzene	14.059	91	1112	0.252	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	627	0.443	ug/l	76
94) Hexachlorobutadiene	15.506	225	486	0.760	ug/l	86
95) Naphthalene	15.641	128	2554	0.544	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.835	180	984	0.652	ug/l #	70

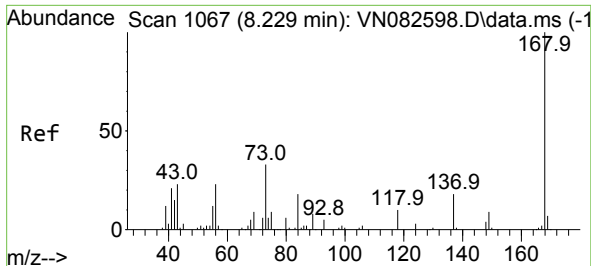
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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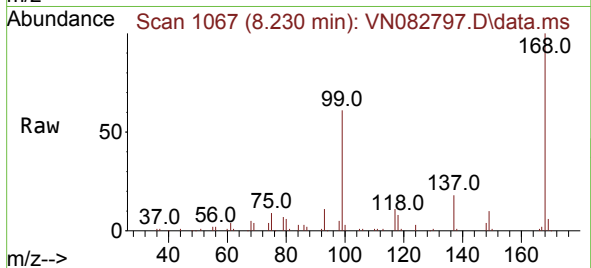
Quant Time: Jul 03 23:57:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
Quant Title : SW846 8260
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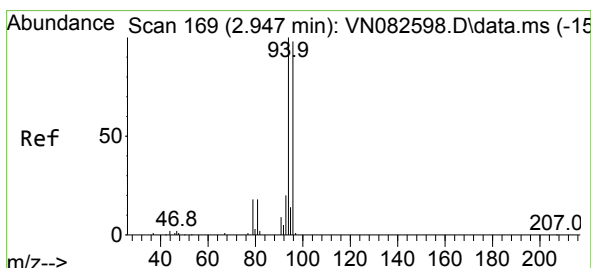
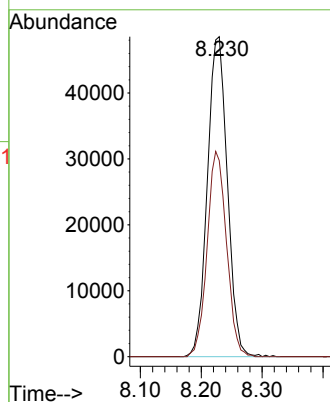
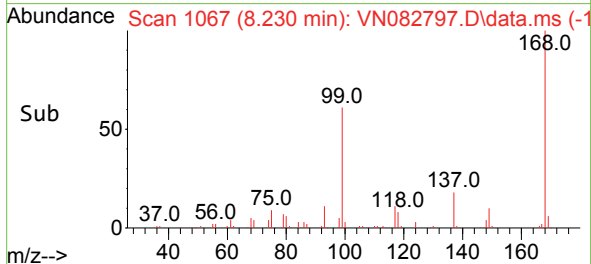


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :

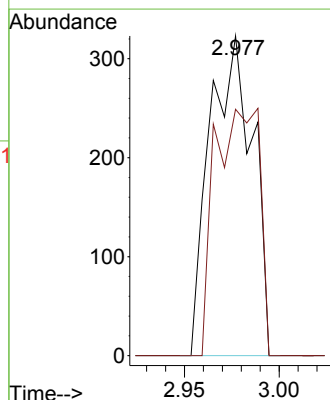
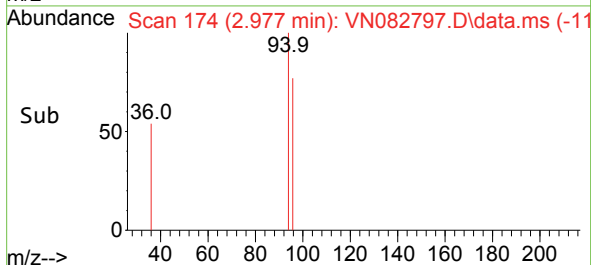
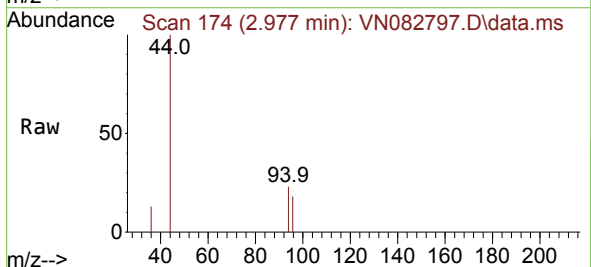


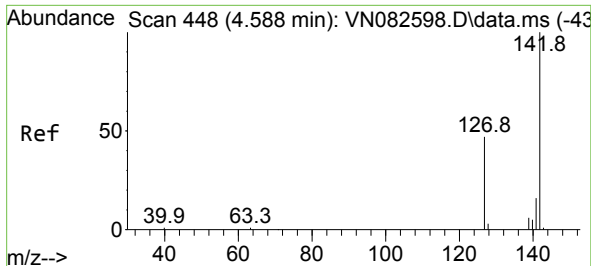
Tgt Ion:168 Resp: 110504
Ion Ratio Lower Upper
168 100
99 61.3 48.2 72.4



#5
Bromomethane
Concen: 0.382 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.030 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

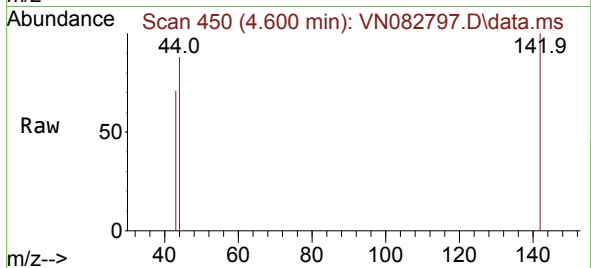
Tgt Ion: 94 Resp: 508
Ion Ratio Lower Upper
94 100
96 77.1 78.0 117.0#



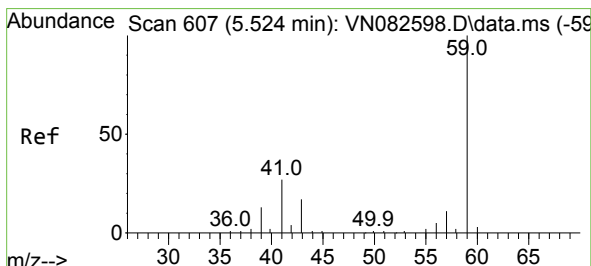
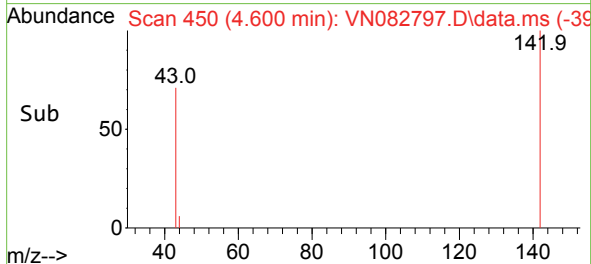
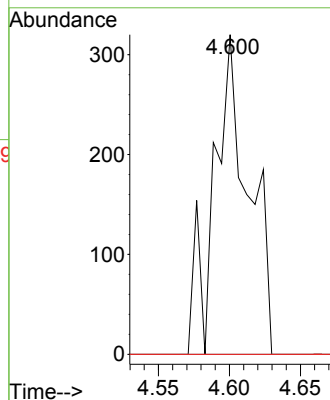


#10
Methyl Iodide
Concen: 0.451 ug/l
RT: 4.600 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :

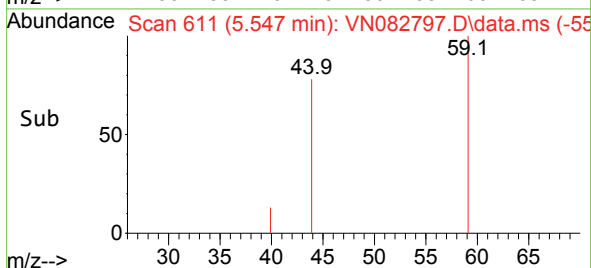
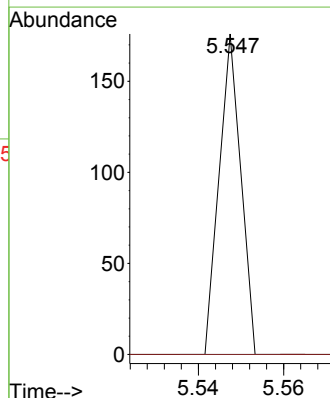
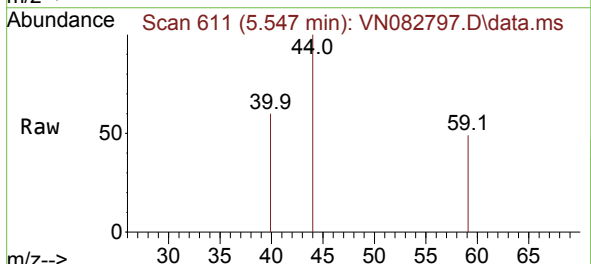


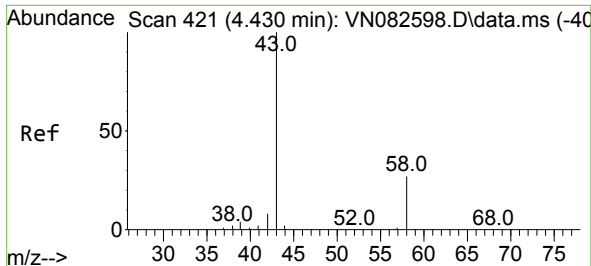
Tgt Ion:142 Resp: 547
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 13.1 19.7#



#11
Tert butyl alcohol
Concen: 0.228 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.023 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

Tgt Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#





#16

Acetone

Concen: 56.876 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN082797.D

Acq: 03 Jul 2024 12:50

Instrument :

MSVOA_N

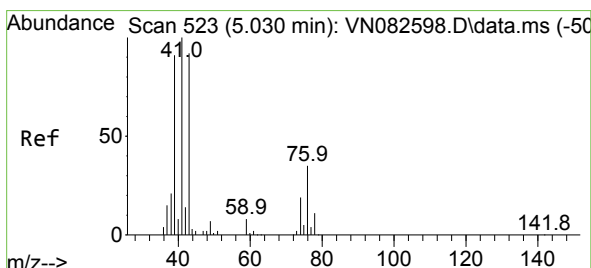
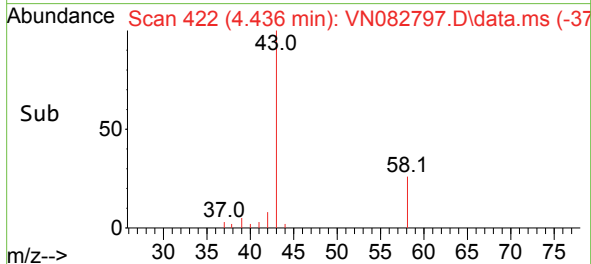
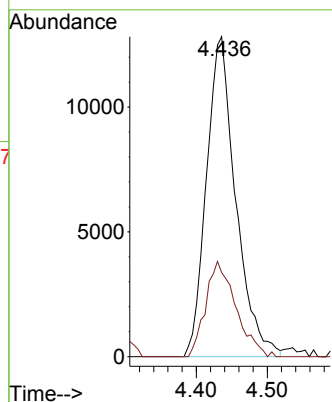
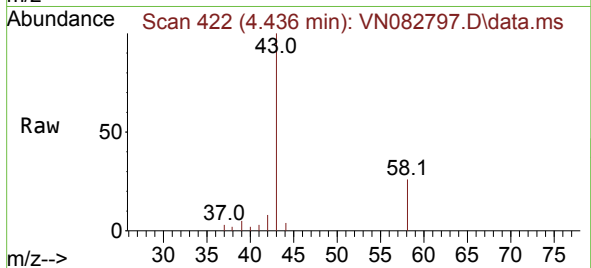
ClientSampleId :

Tgt Ion: 43 Resp: 36722

Ion Ratio Lower Upper

43 100

58 26.3 21.8 32.6



#18

Methyl Acetate

Concen: 0.847 ug/l

RT: 5.030 min Scan# 523

Delta R.T. -0.000 min

Lab File: VN082797.D

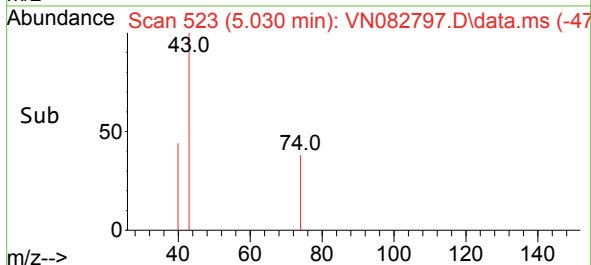
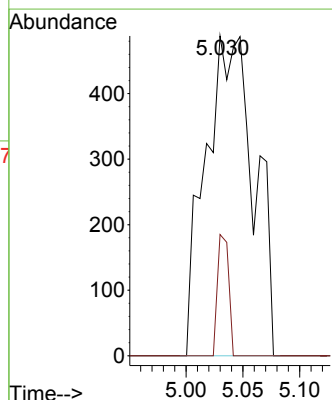
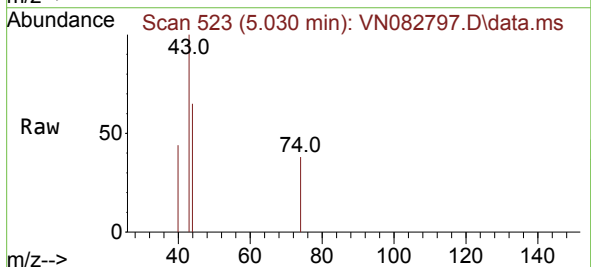
Acq: 03 Jul 2024 12:50

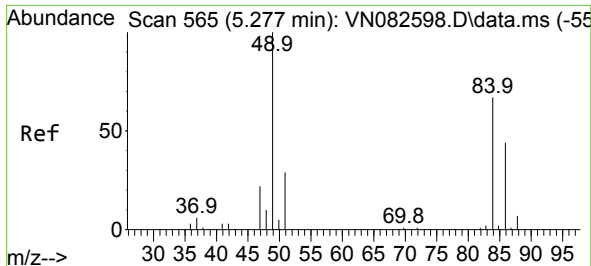
Tgt Ion: 43 Resp: 1454

Ion Ratio Lower Upper

43 100

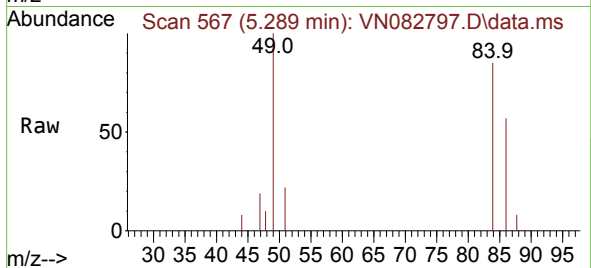
74 8.7 16.3 24.5#



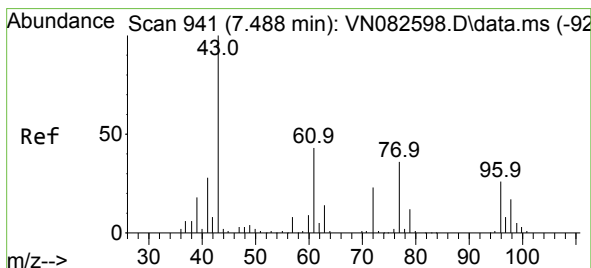
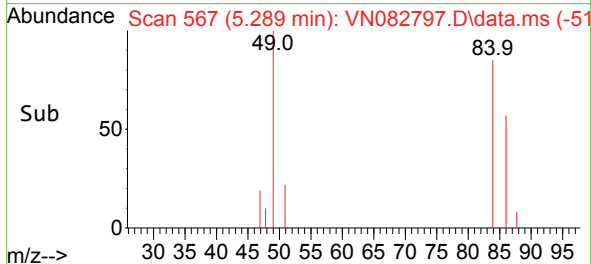
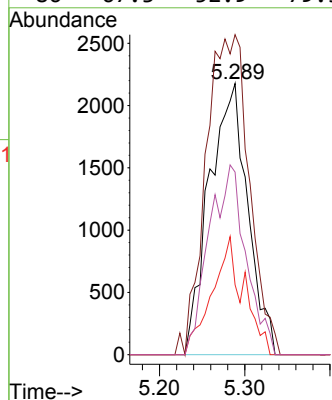


#20
Methylene Chloride
Concen: 4.178 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :

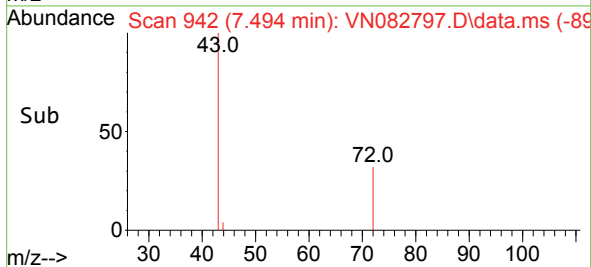
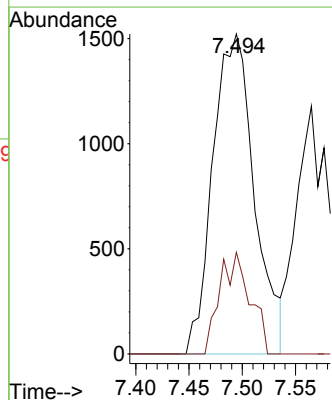
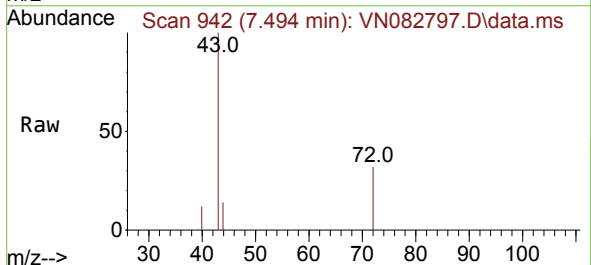


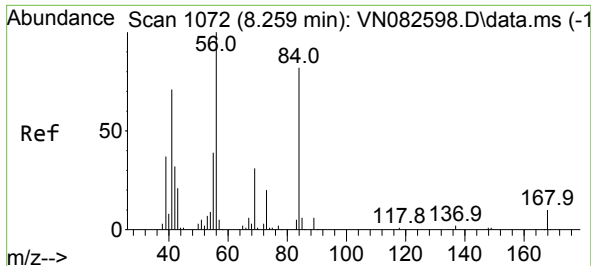
Tgt Ion: 84 Resp: 6826
Ion Ratio Lower Upper
84 100
49 118.0 119.6 179.4#
51 25.8 34.8 52.2#
86 67.3 52.9 79.3



#25
2-Butanone
Concen: 4.181 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

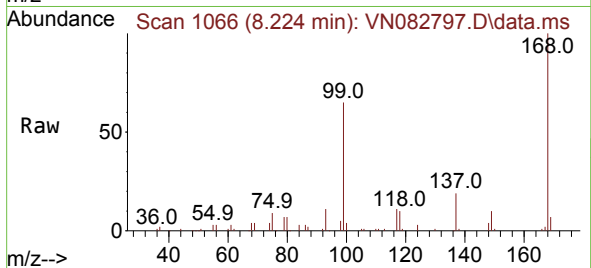
Tgt Ion: 43 Resp: 4124
Ion Ratio Lower Upper
43 100
72 31.7 18.2 27.2#



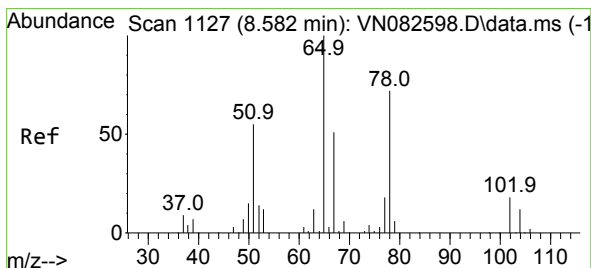
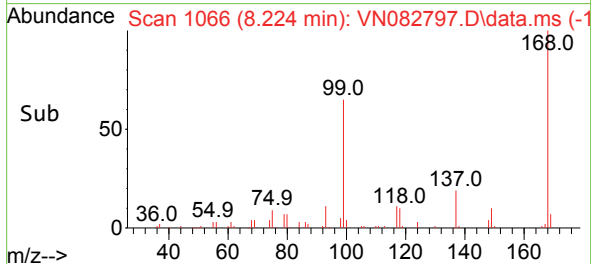
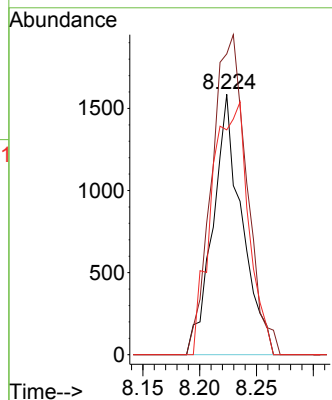


#31
Cyclohexane
Concen: 1.167 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :

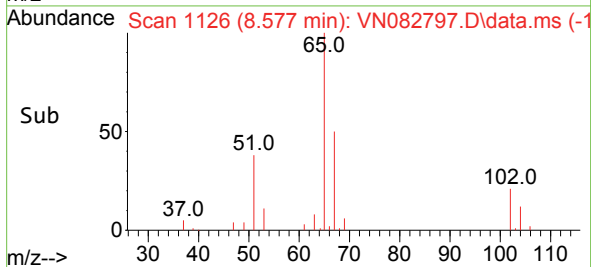
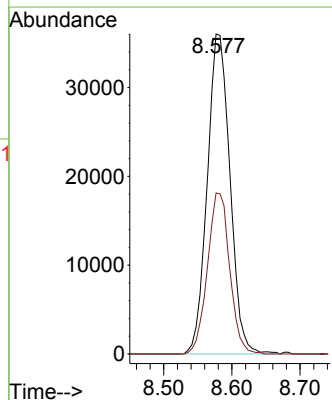
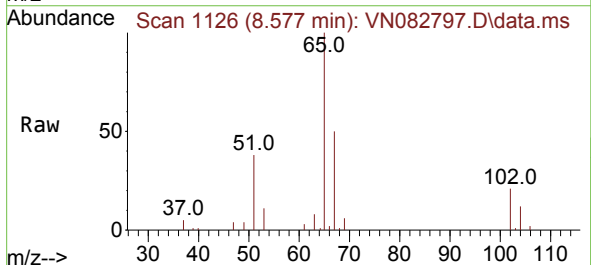


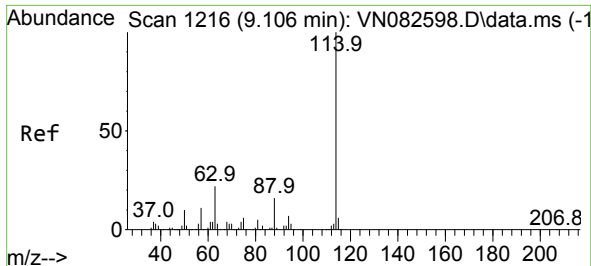
Tgt Ion: 56 Resp: 2803
Ion Ratio Lower Upper
56 100
69 115.5 24.5 36.7#
84 86.3 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 49.109 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

Tgt Ion: 65 Resp: 83689
Ion Ratio Lower Upper
65 100
67 49.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. -0.006 min

Lab File: VN082797.D

Acq: 03 Jul 2024 12:50

Instrument :

MSVOA_N

ClientSampleId :

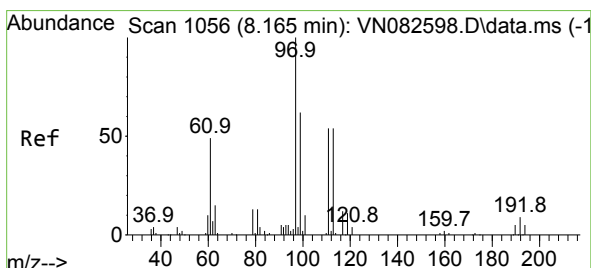
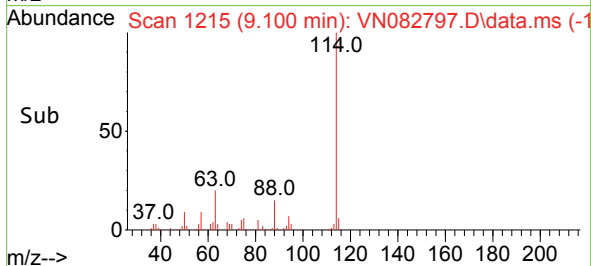
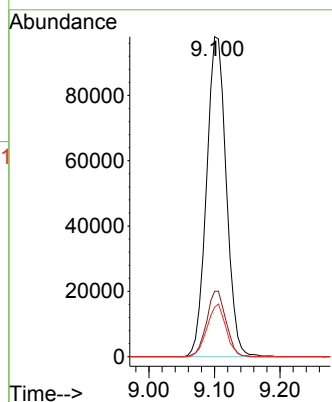
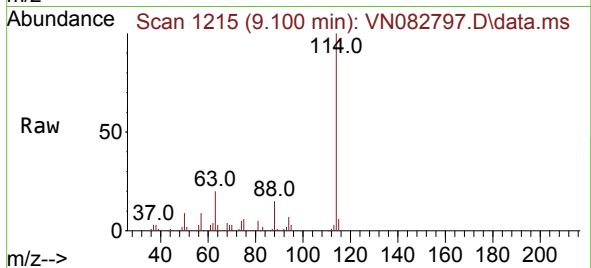
Tgt Ion:114 Resp: 204988

Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.6

88 15.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.058 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082797.D

Acq: 03 Jul 2024 12:50

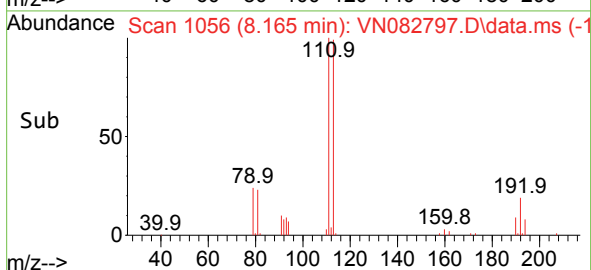
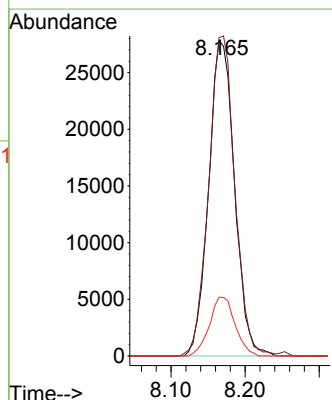
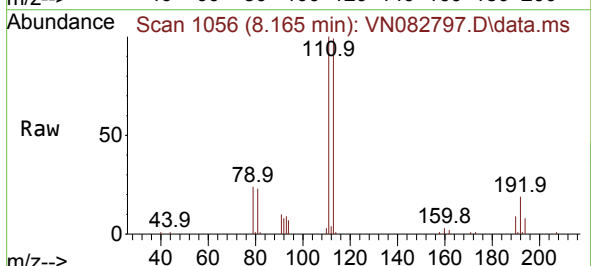
Tgt Ion:113 Resp: 67560

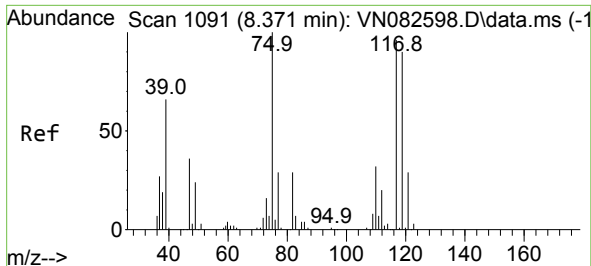
Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

192 18.5 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.893 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

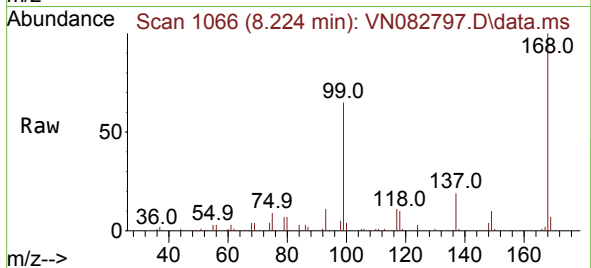
Lab File: VN082797.D

Acq: 03 Jul 2024 12:50

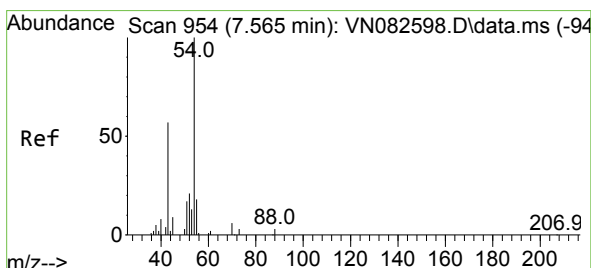
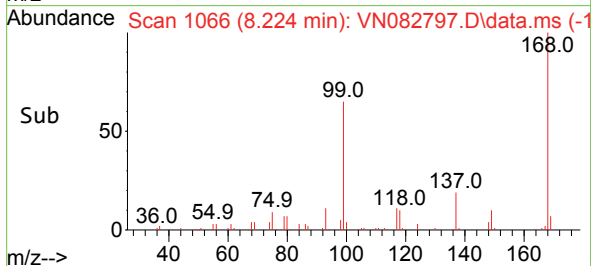
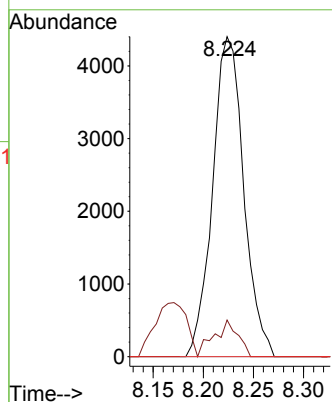
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	9491
Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.3	48.9#
77	0.0	24.6	37.0#



#37

Ethyl Acetate

Concen: 1.241 ug/l

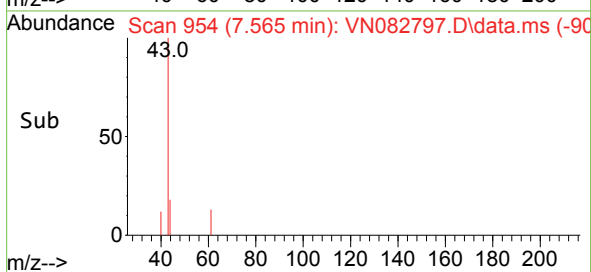
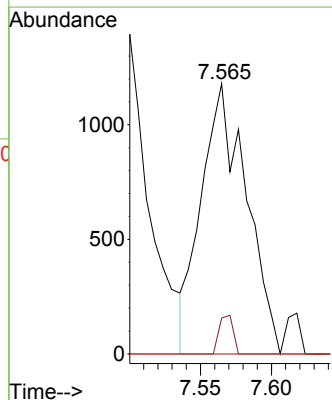
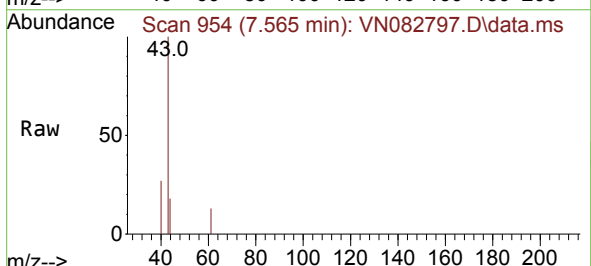
RT: 7.565 min Scan# 954

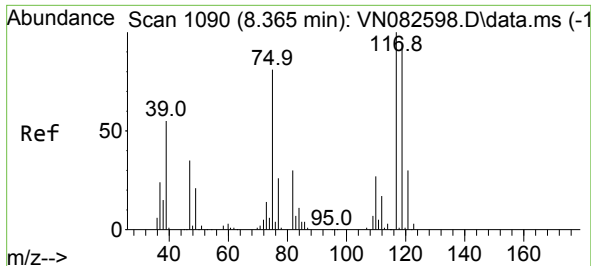
Delta R.T. -0.000 min

Lab File: VN082797.D

Acq: 03 Jul 2024 12:50

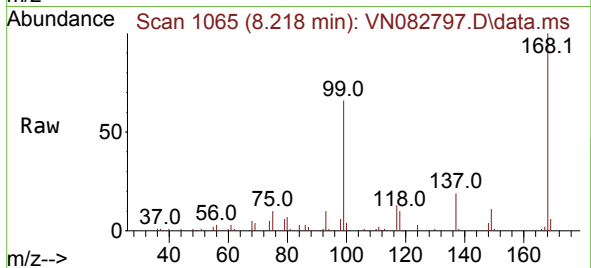
Tgt Ion:	43	Resp:	2602
Ion	Ratio	Lower	Upper
43	100		
61	4.4	9.3	13.9#
70	0.0	7.0	10.6#



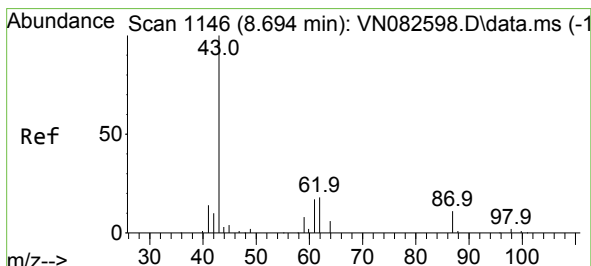
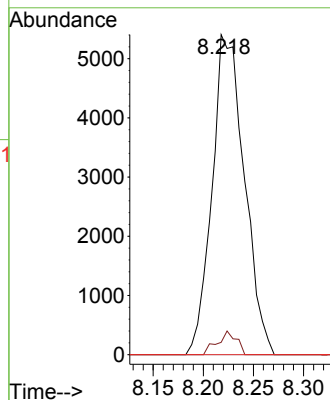
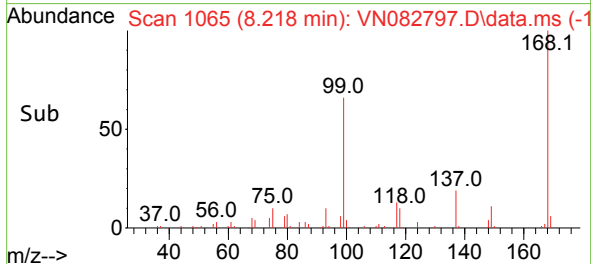


#38
Carbon Tetrachloride
Concen: 5.330 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.147 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :

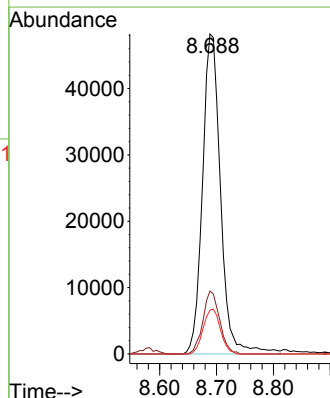
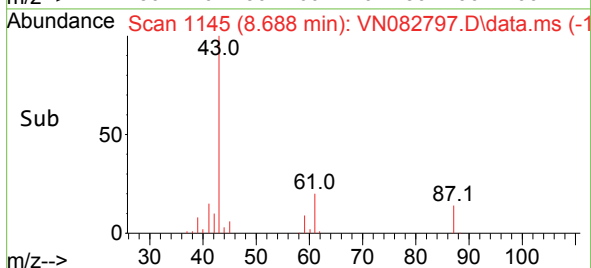
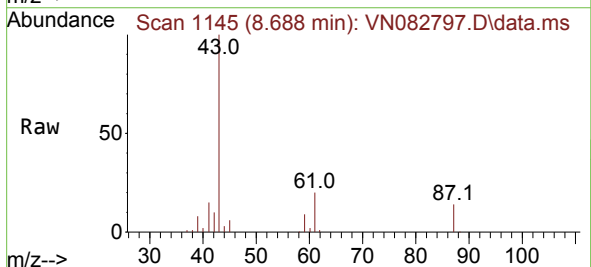


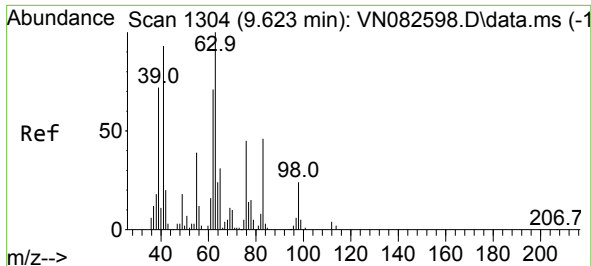
Tgt Ion:117 Resp: 12093
Ion Ratio Lower Upper
117 100
119 3.8 74.9 112.3#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 29.291 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

Tgt Ion: 43 Resp: 106498
Ion Ratio Lower Upper
43 100
61 18.2 17.8 26.6
87 13.3 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.800 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

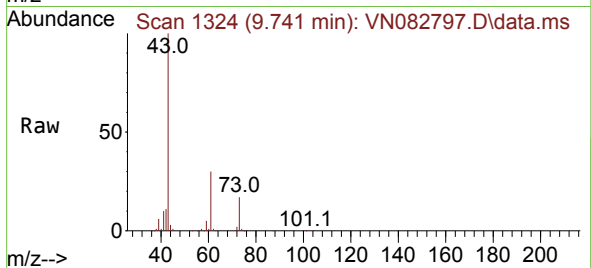
Lab File: VN082797.D

Acq: 03 Jul 2024 12:50

Instrument :

MSVOA_N

ClientSampleId :

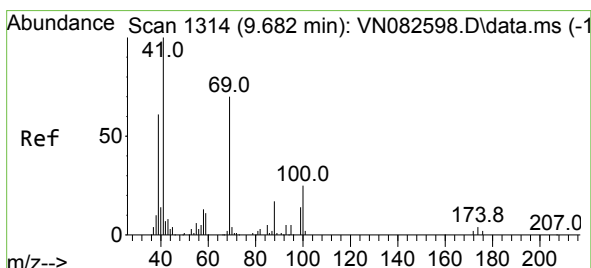
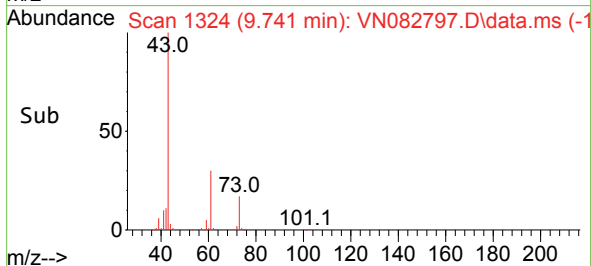
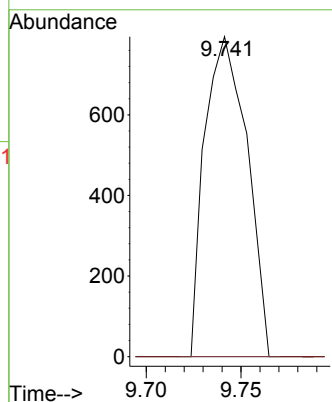


Tgt Ion: 63 Resp: 1234

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 53.736 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN082797.D

Acq: 03 Jul 2024 12:50

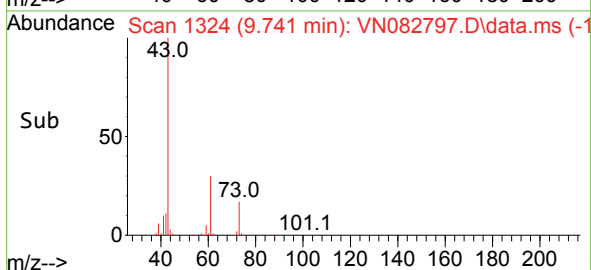
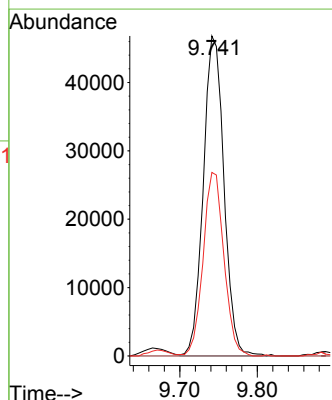
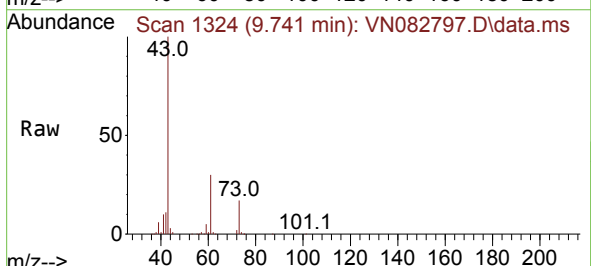
Tgt Ion: 41 Resp: 86705

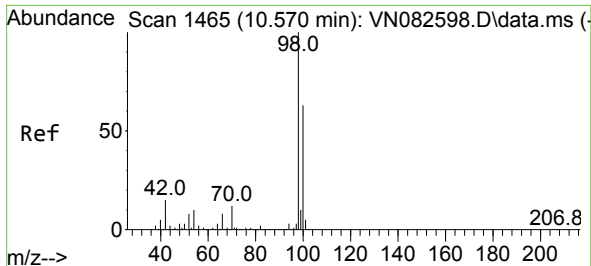
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 57.8 50.3 75.5

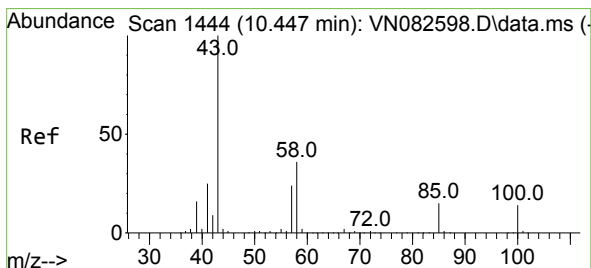
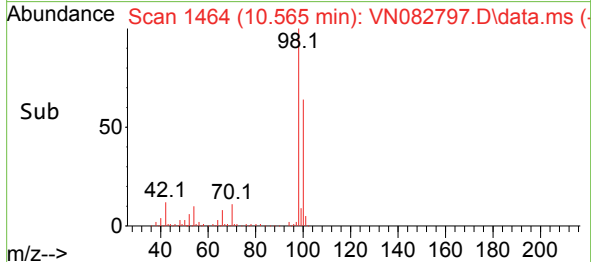
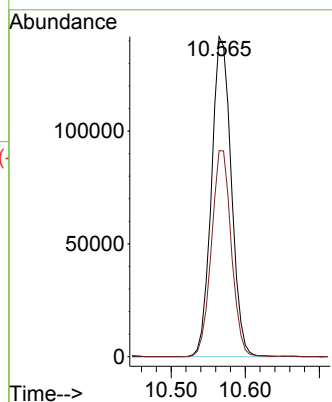
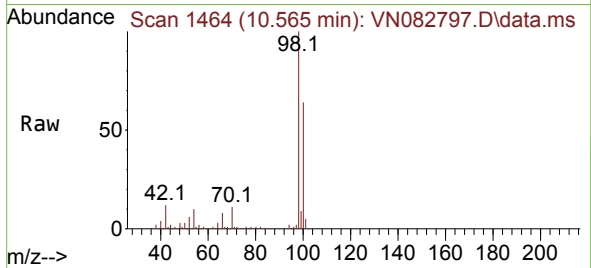




#50
Toluene-d8
Concen: 52.124 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.005 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

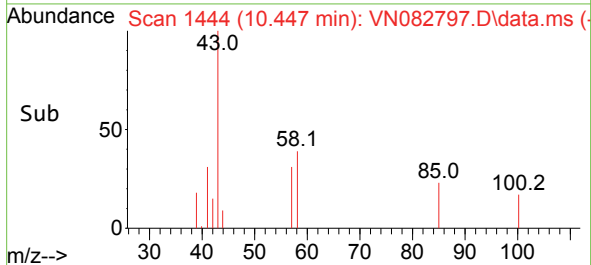
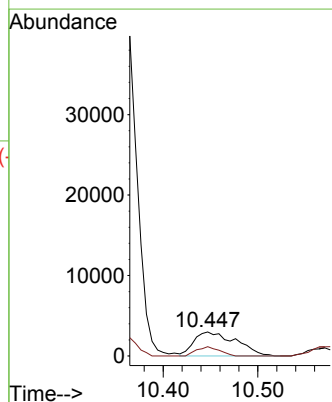
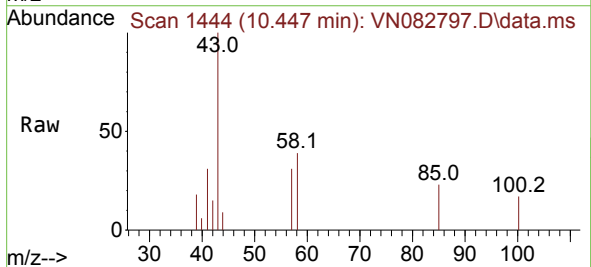
Instrument :
MSVOA_N
ClientSampleId :

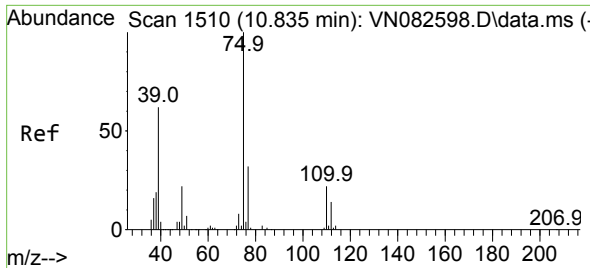
Tgt Ion: 98 Resp: 263087
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 4.286 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

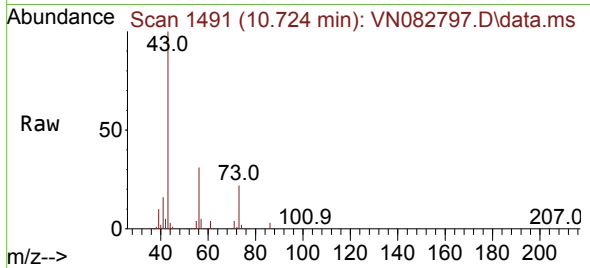
Tgt Ion: 43 Resp: 9191
Ion Ratio Lower Upper
43 100
58 21.0 28.2 42.4#



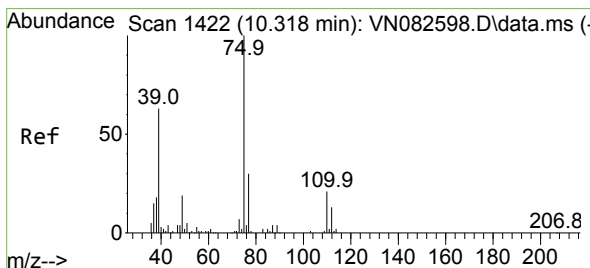
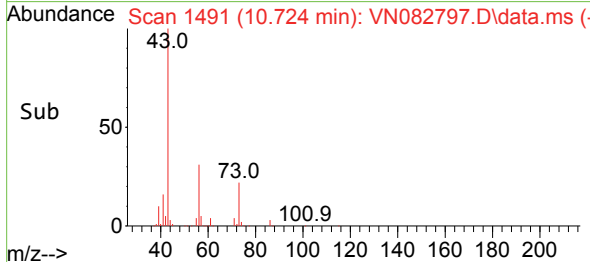
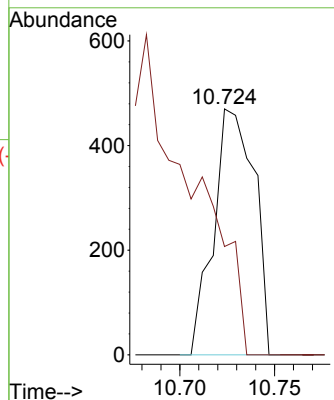


#53
t-1,3-Dichloropropene
Concen: 0.324 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.111 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :

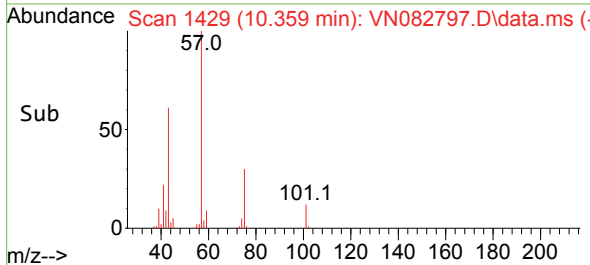
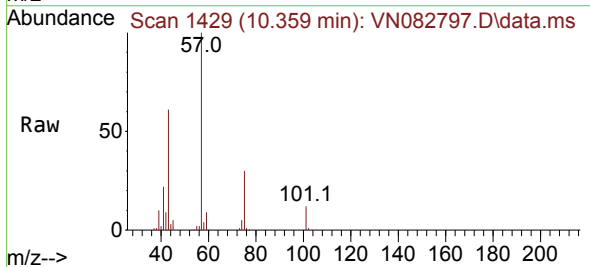
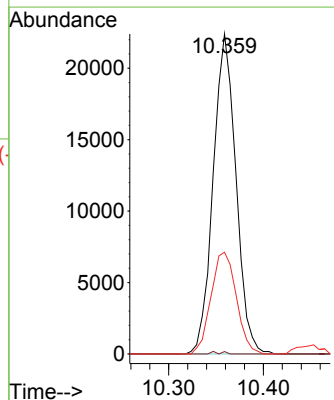


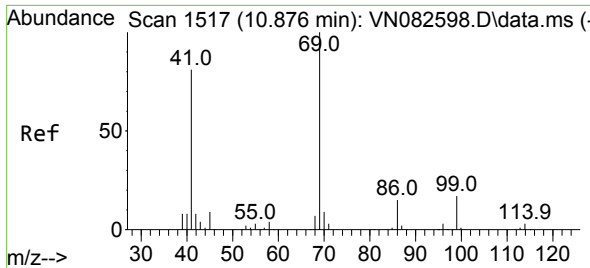
Tgt Ion: 75 Resp: 704
Ion Ratio Lower Upper
75 100
77 44.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 16.405 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

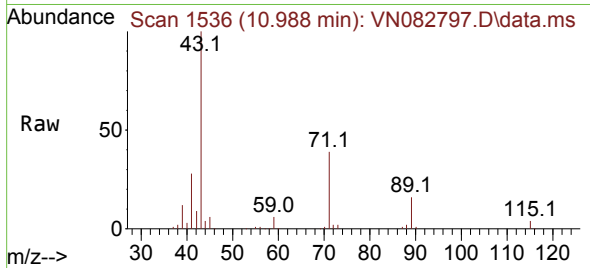
Tgt Ion: 75 Resp: 37446
Ion Ratio Lower Upper
75 100
77 0.8 24.3 36.5#
39 31.8 50.5 75.7#



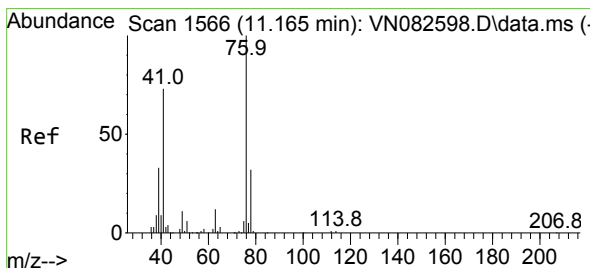
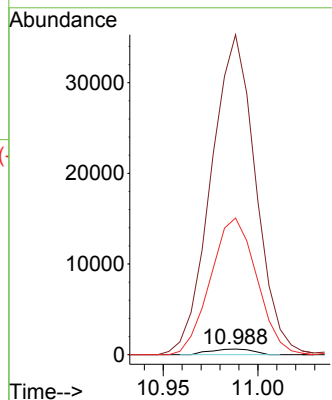
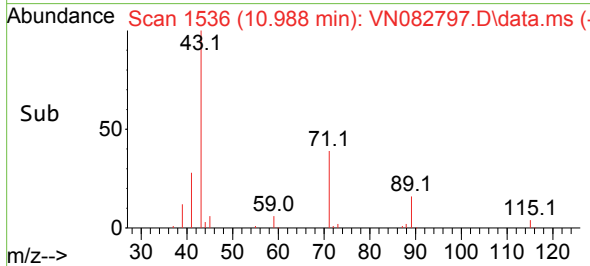


#56
Ethyl methacrylate
Concen: 0.446 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :

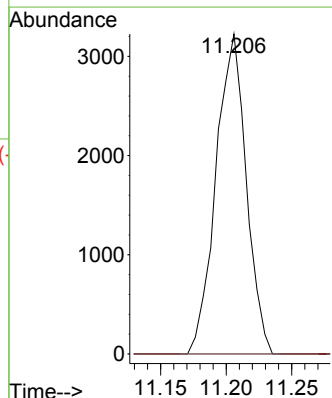
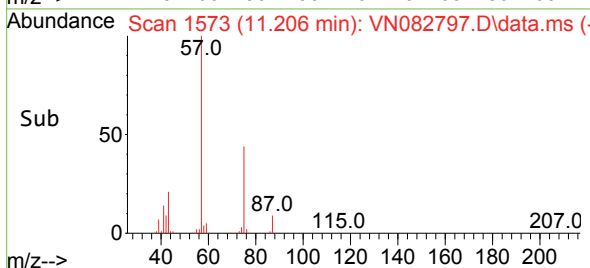
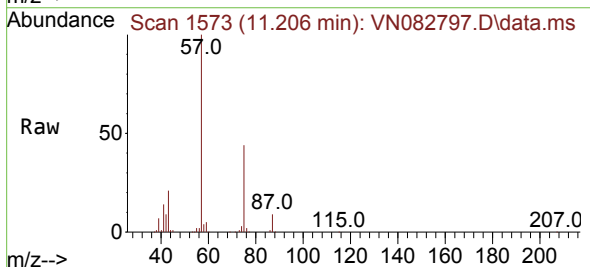


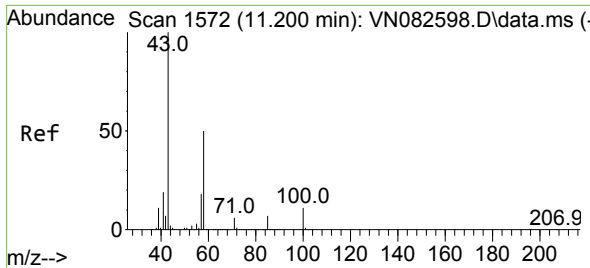
Tgt Ion: 69 Resp: 973
Ion Ratio Lower Upper
69 100
41 5965.1 63.4 95.2#
39 2633.4 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 2.035 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

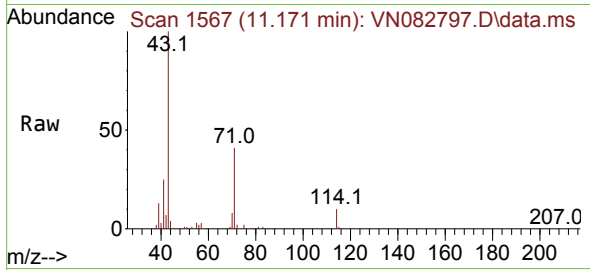
Tgt Ion: 76 Resp: 5182
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



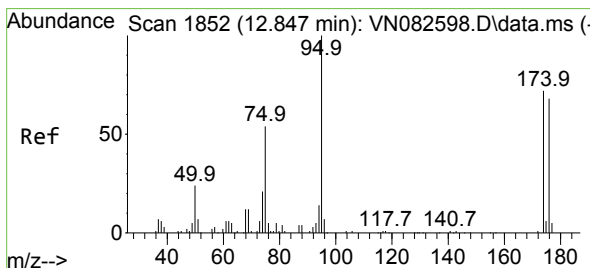
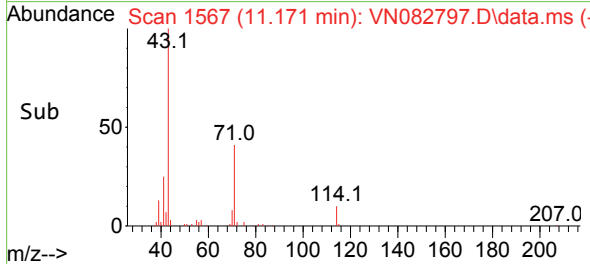
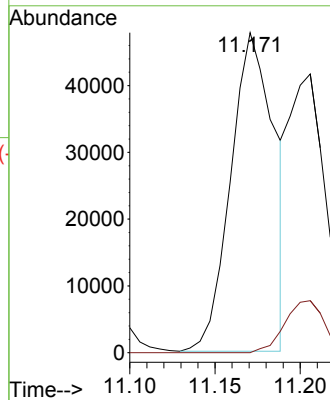


#59
2-Hexanone
Concen: 53.365 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :

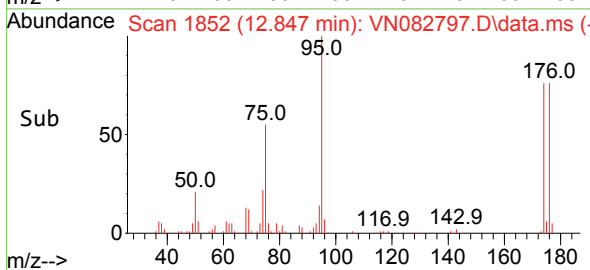
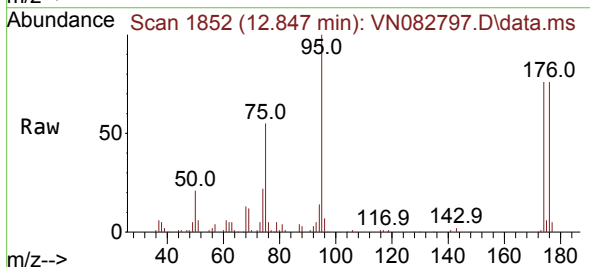
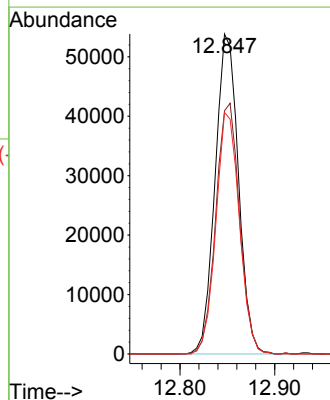


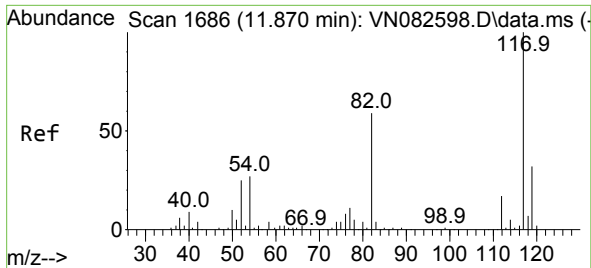
Tgt Ion: 43 Resp: 84856
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 53.117 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

Tgt Ion: 95 Resp: 92070
Ion Ratio Lower Upper
95 100
174 79.9 0.0 159.2
176 75.9 0.0 147.6

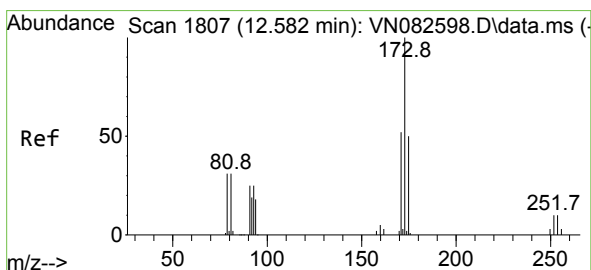
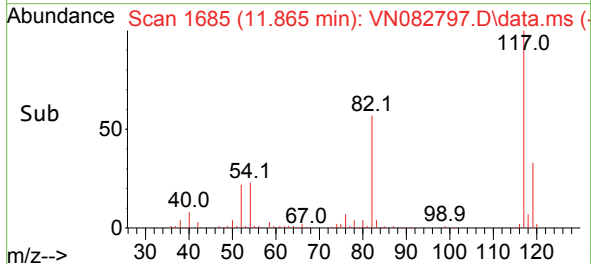
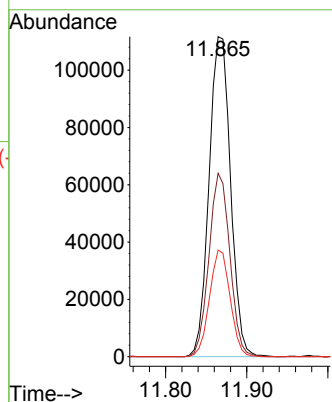
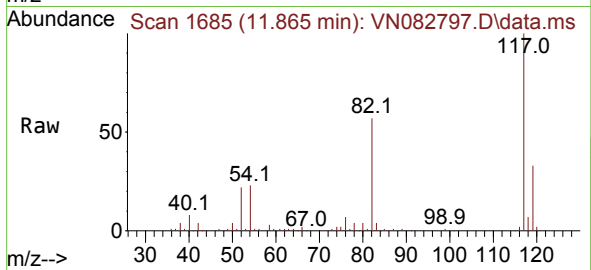




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

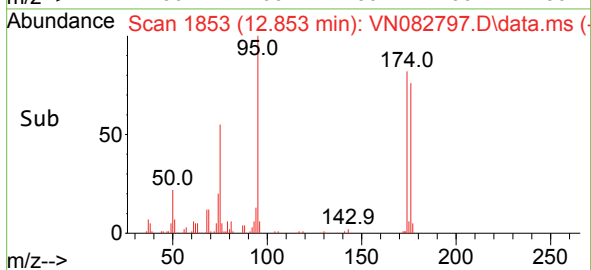
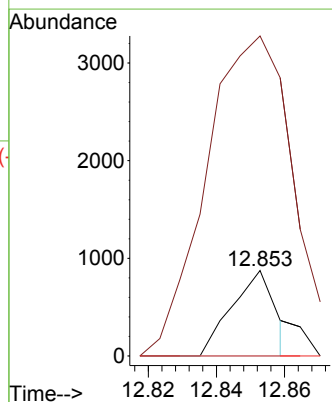
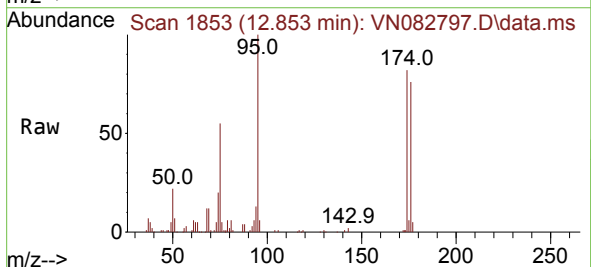
Instrument :
MSVOA_N
ClientSampleId :

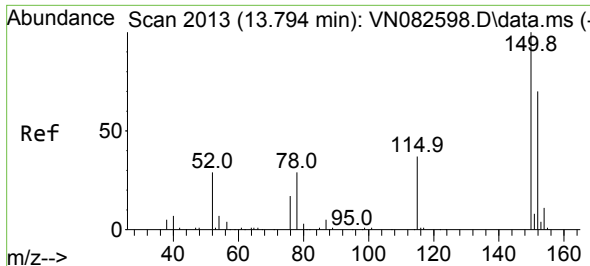
Tgt Ion:117 Resp: 205267
Ion Ratio Lower Upper
117 100
82 57.3 47.5 71.3
119 33.3 25.6 38.4



#71
Bromoform
Concen: 0.622 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

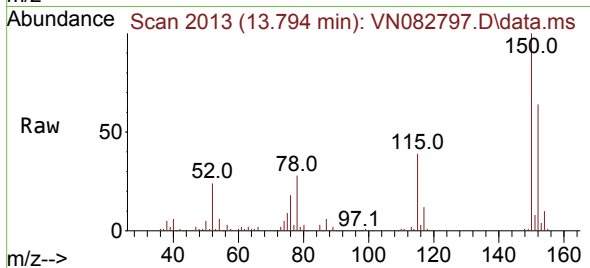
Tgt Ion:173 Resp: 778
Ion Ratio Lower Upper
173 100
175 653.0 24.0 72.0#
254 0.0 0.0 0.0



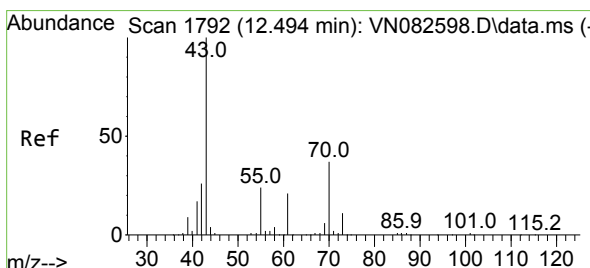
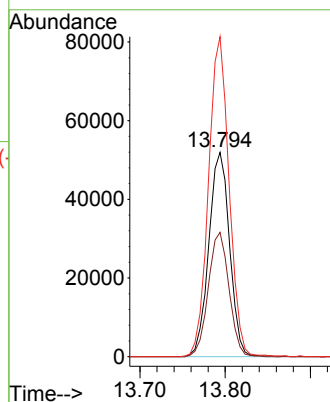
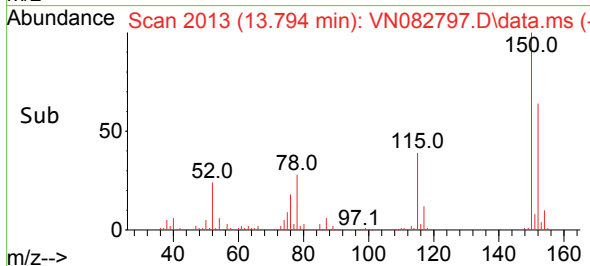


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082797.D
 Acq: 03 Jul 2024 12:50

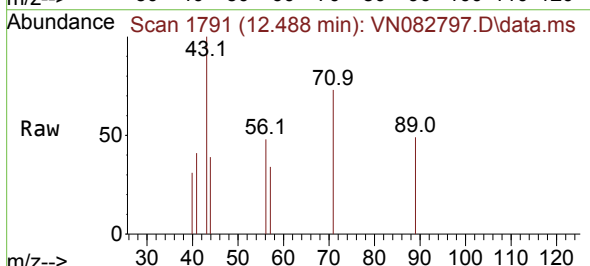
Instrument :
 MSVOA_N
 ClientSampleId :



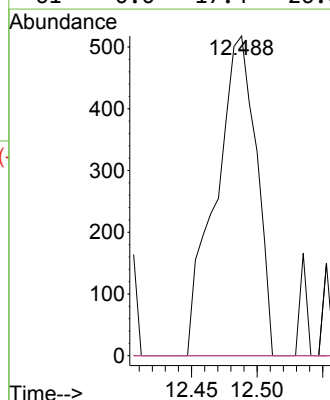
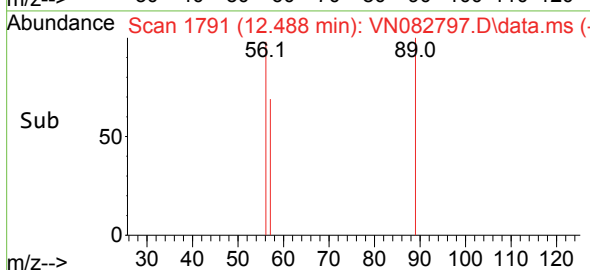
Tgt Ion:152 Resp: 87917
 Ion Ratio Lower Upper
 152 100
 115 60.6 30.6 91.6
 150 154.9 0.0 348.6

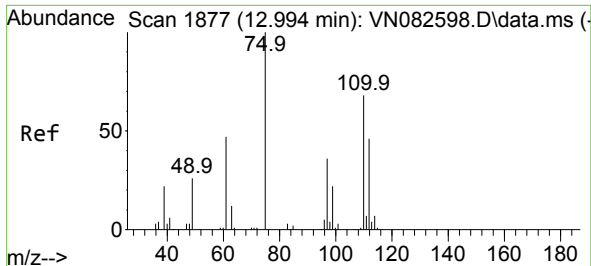


#74
 N-ethyl acetate
 Concen: 0.390 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN082797.D
 Acq: 03 Jul 2024 12:50



Tgt Ion: 43 Resp: 1116
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.8 44.6#
 55 0.0 18.7 28.1#
 61 0.0 17.4 26.0#

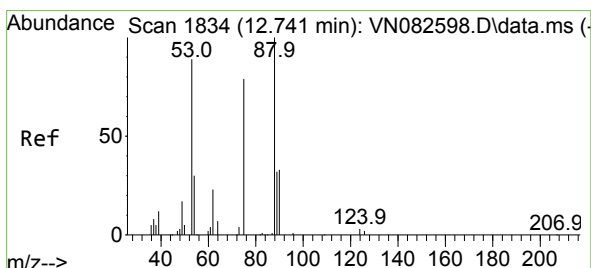
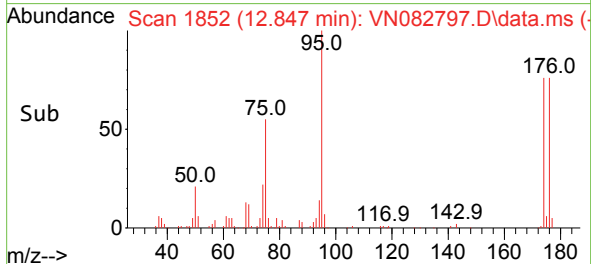
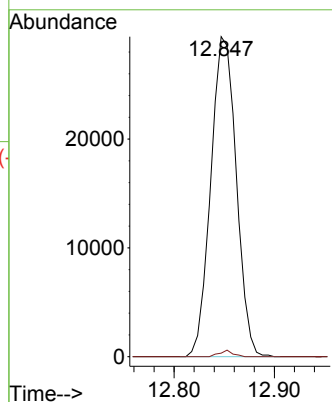
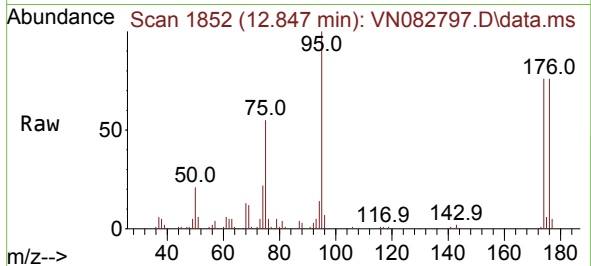




#76
1,2,3-Trichloropropane
Concen: 27.089 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

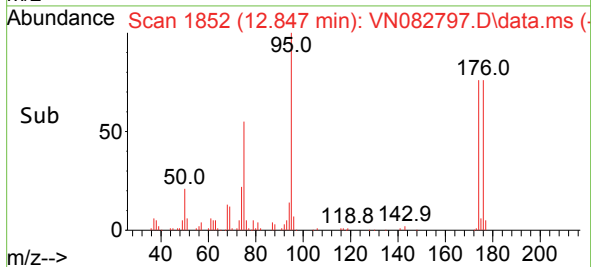
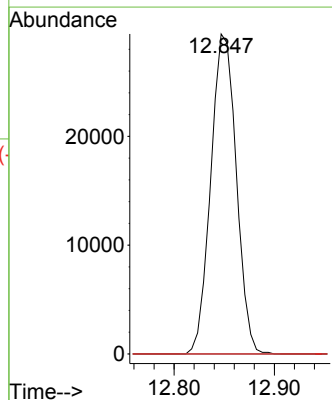
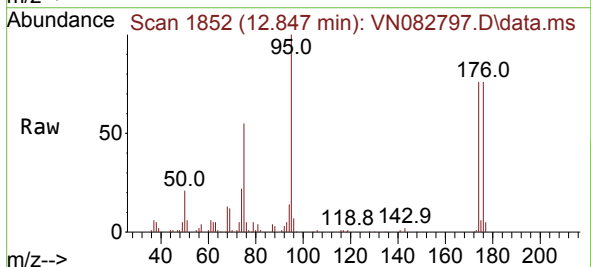
Instrument :
MSVOA_N
ClientSampleId :

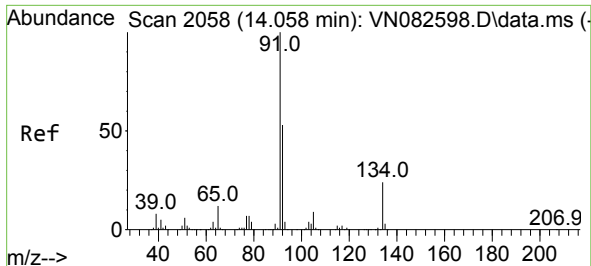
Tgt Ion: 75 Resp: 51947
Ion Ratio Lower Upper
75 100
77 1.1 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.644 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

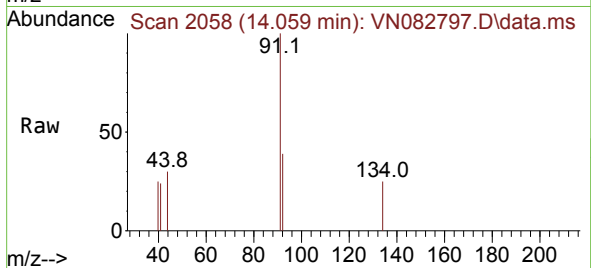
Tgt Ion: 75 Resp: 51947
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



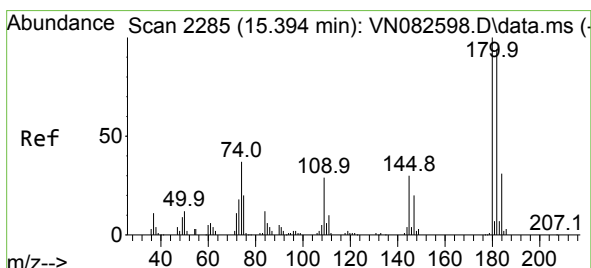
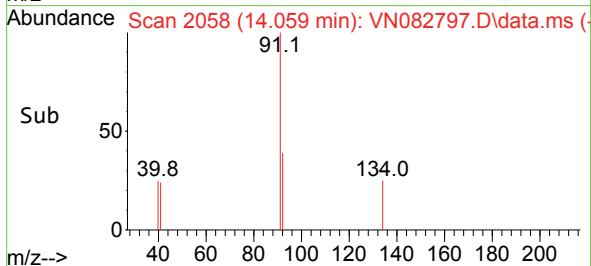
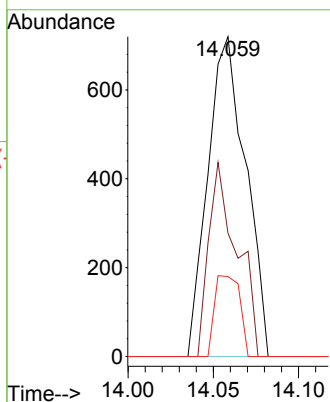


#89
n-Butylbenzene
Concen: 0.252 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.001 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :

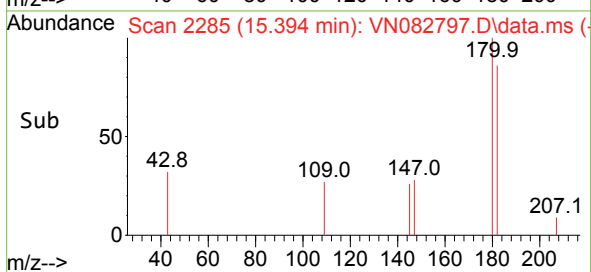
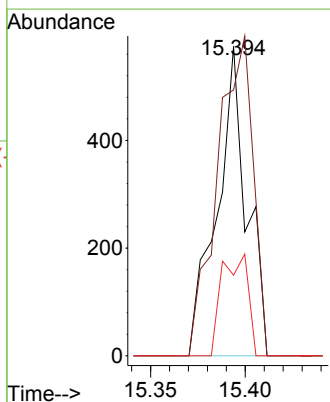
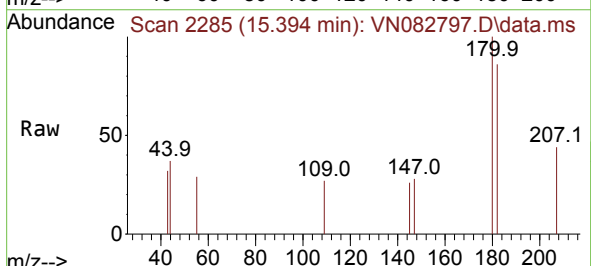


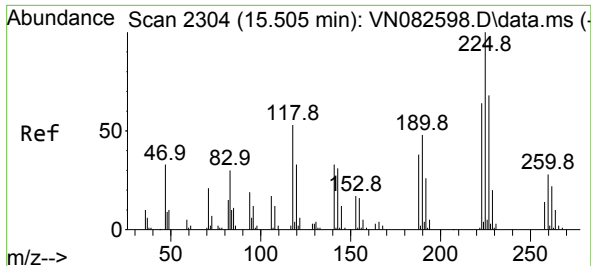
Tgt Ion: 91	Resp:	1112
Ion Ratio	Lower	Upper
91	100	
92	45.3	26.1 78.3
134	16.7	12.1 36.3



#93
1,2,4-Trichlorobenzene
Concen: 0.443 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

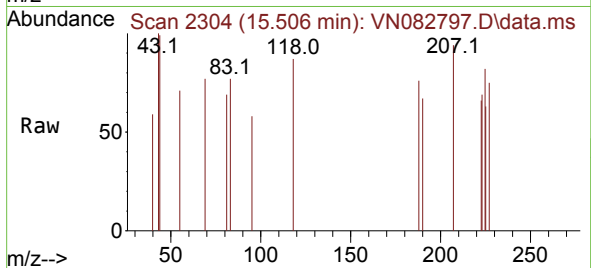
Tgt Ion: 180	Resp:	627
Ion Ratio	Lower	Upper
180	100	
182	123.9	47.3 141.8
145	29.0	15.7 47.1



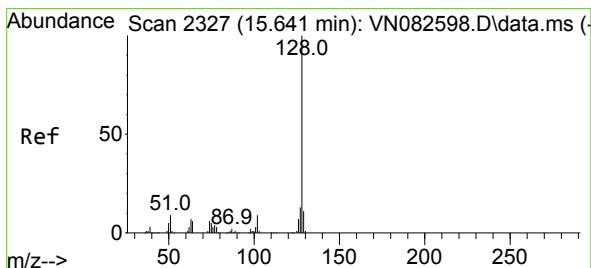
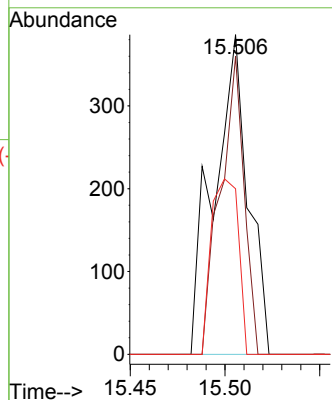
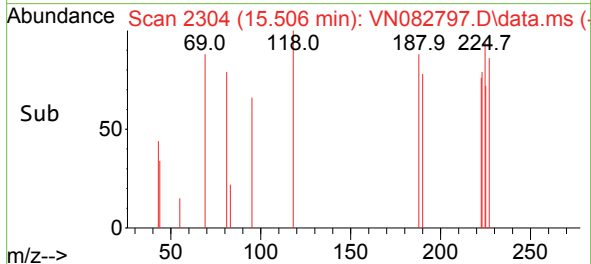


#94
Hexachlorobutadiene
Concen: 0.760 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.001 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50

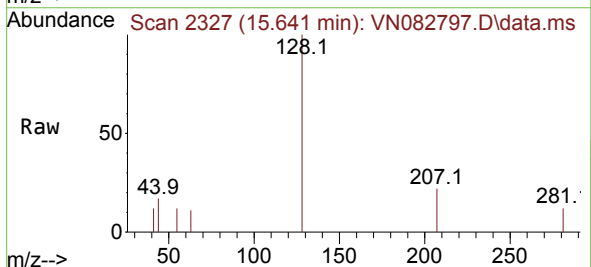
Instrument :
MSVOA_N
ClientSampleId :



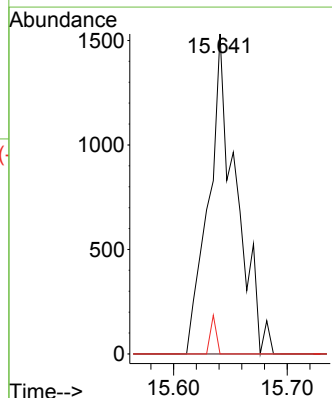
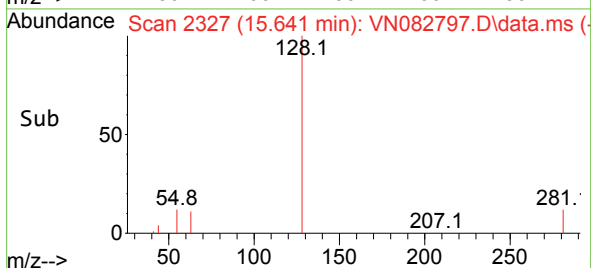
Tgt Ion:225 Resp: 486
Ion Ratio Lower Upper
225 100
223 64.8 31.9 95.7
227 43.4 32.5 97.5

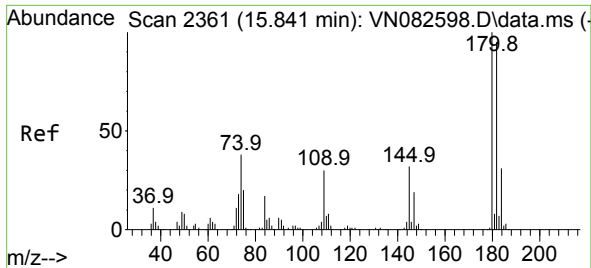


#95
Naphthalene
Concen: 0.544 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN082797.D
Acq: 03 Jul 2024 12:50



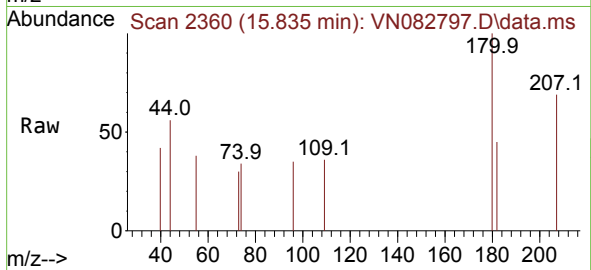
Tgt Ion:128 Resp: 2554
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 2.5 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.652 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN082797.D
 Acq: 03 Jul 2024 12:50

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 984
 Ion Ratio Lower Upper
 180 100
 182 74.2 48.9 146.8
 145 5.7 16.8 50.4#

