

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061824\
 Data File : VN082625.D
 Acq On : 18 Jun 2024 16:45
 Operator : JC\MD
 Sample : P2942-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 00:53:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

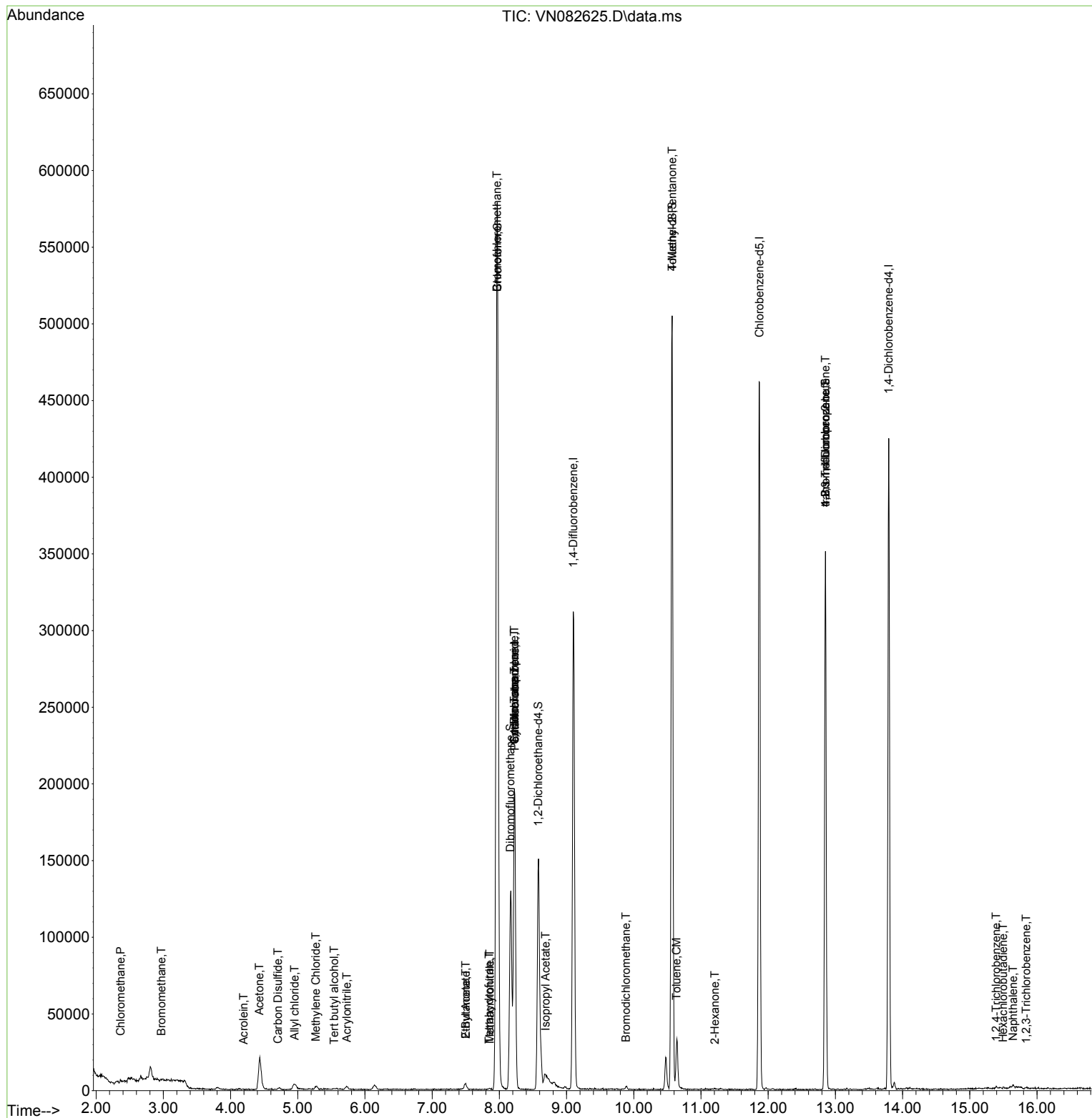
Internal Standards						
1) Pentafluorobenzene	8.230	168	139193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	251136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	108304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121059	54.234	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.460%	
35) Dibromofluoromethane	8.165	113	92063	53.025	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.040%	
50) Toluene-d8	10.571	98	333771	50.835	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.660%	
62) 4-Bromofluorobenzene	12.853	95	108978	48.142	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 96.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1019	0.437	ug/l	93
5) Bromomethane	2.971	94	833	0.583	ug/l #	72
11) Tert butyl alcohol	5.541	59	484	1.325	ug/l #	71
13) Acrolein	4.194	56	293	0.787	ug/l #	64
14) Allyl chloride	4.953	41	6952	2.294	ug/l #	26
15) Acrylonitrile	5.730	53	2301	2.386	ug/l	96
16) Acetone	4.430	43	39929	39.333	ug/l	97
17) Carbon Disulfide	4.706	76	1239	0.252	ug/l #	75
20) Methylene Chloride	5.271	84	1309	0.733	ug/l #	48
25) 2-Butanone	7.500	43	6897	4.780	ug/l	99
28) Bromochloromethane	7.965	49	53529	34.064	ug/l #	21
29) Tetrahydrofuran	7.847	42	563	0.637	ug/l #	38
30) Chloroform	7.971	83	545512	162.406	ug/l	98
31) Cyclohexane	8.224	56	3917	1.216	ug/l #	36
36) 1,1-Dichloropropene	8.224	75	12079	4.654	ug/l #	50
37) Ethyl Acetate	7.500	43	6897	2.086	ug/l #	72
38) Carbon Tetrachloride	8.224	117	14962	5.115	ug/l #	18
41) Methacrylonitrile	7.859	41	404	0.239	ug/l #	50
43) Isopropyl Acetate	8.688	43	7988	1.293	ug/l #	60
47) Bromodichloromethane	9.882	83	1958	0.656	ug/l #	79
51) 4-Methyl-2-Pentanone	10.571	43	2209	0.697	ug/l #	1
52) Toluene	10.635	92	1491	0.307	ug/l	94
59) 2-Hexanone	11.206	43	498	0.207	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	64303	24.275	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	64303	58.076	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.394	180	443	0.224	ug/l #	76
94) Hexachlorobutadiene	15.494	225	433	0.444	ug/l #	58
95) Naphthalene	15.647	128	1473	0.242	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.841	180	405	0.201	ug/l #	38

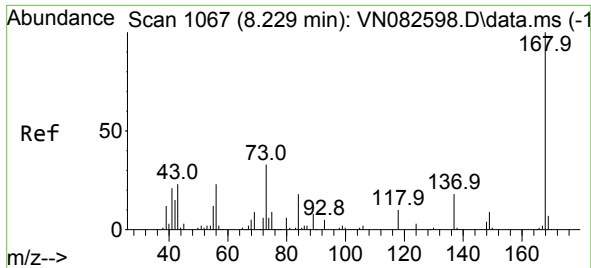
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061824\
Data File : VN082625.D
Acq On : 18 Jun 2024 16:45
Operator : JC\MD
Sample : P2942-01 50X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

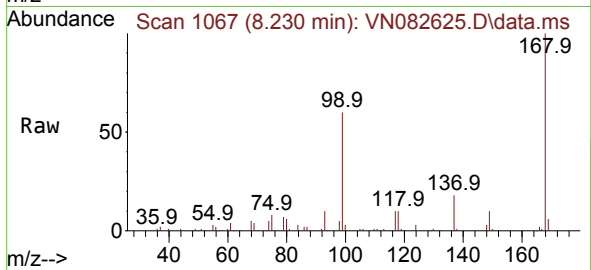
Quant Time: Jun 19 00:53:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
Response via : Initial Calibration



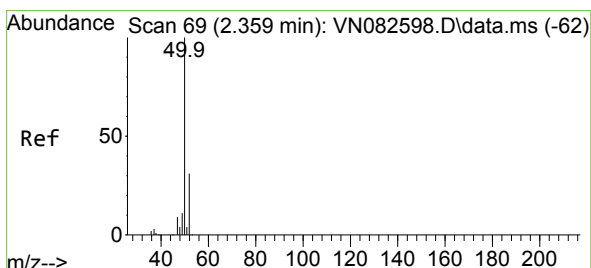
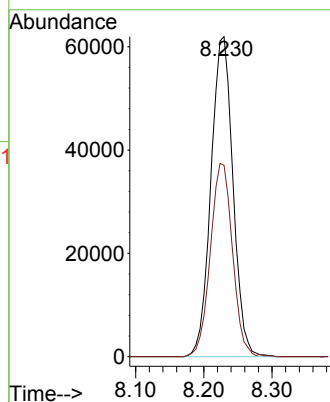
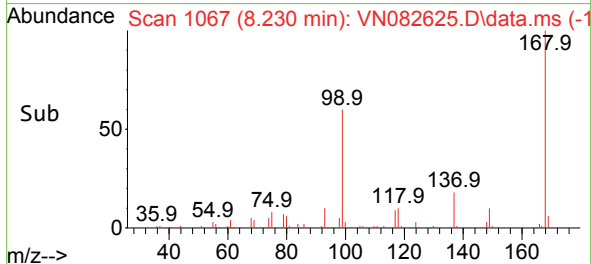


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

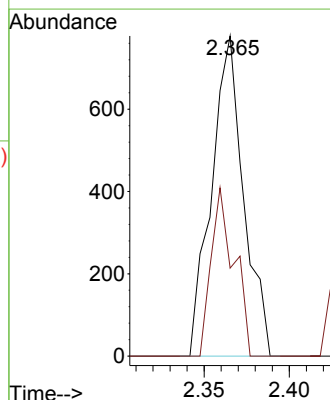
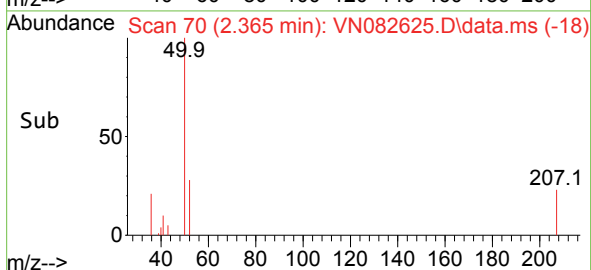
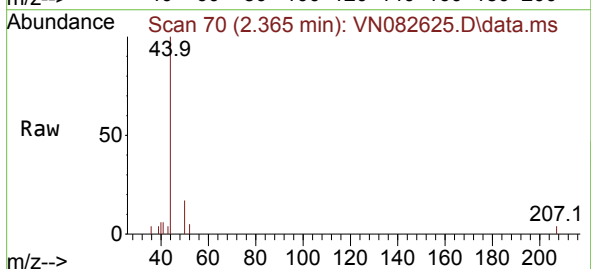


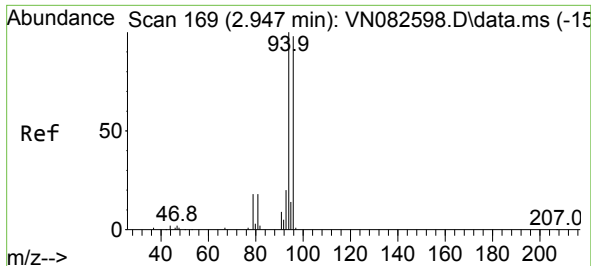
Tgt Ion:168 Resp: 139193
Ion Ratio Lower Upper
168 100
99 59.8 48.2 72.4



#3
Chloromethane
Concen: 0.437 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Tgt Ion: 50 Resp: 1019
Ion Ratio Lower Upper
50 100
52 27.5 25.0 37.4

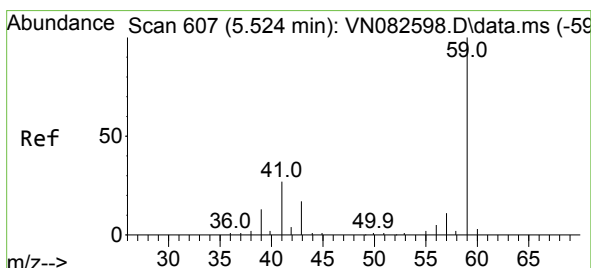
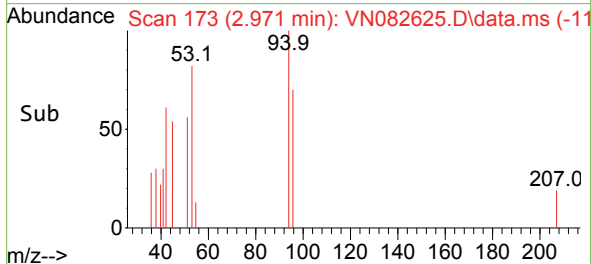
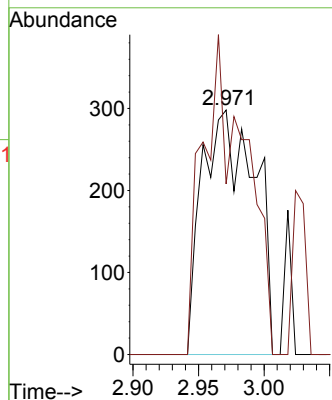
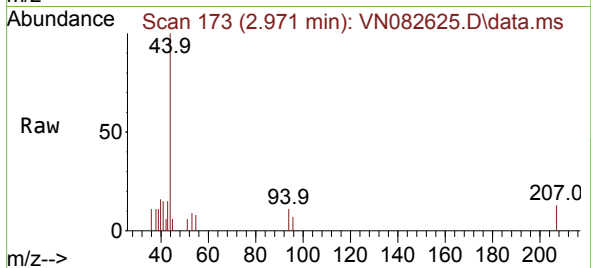




#5
Bromomethane
Concen: 0.583 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

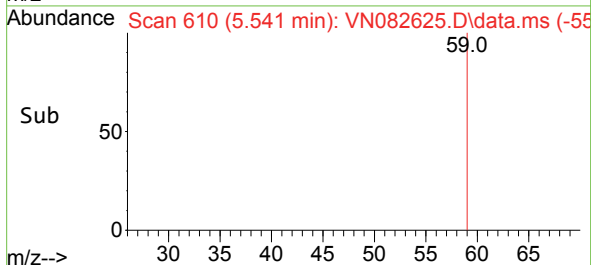
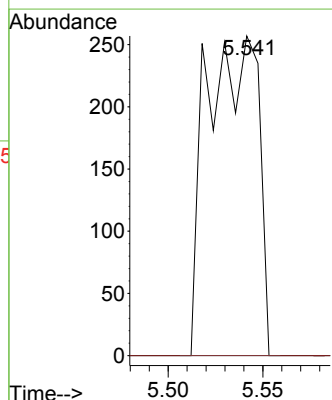
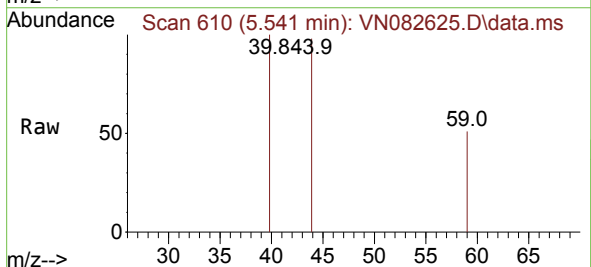
Instrument :
MSVOA_N
ClientSampleId :

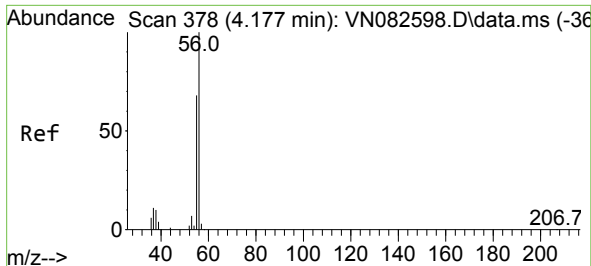
Tgt Ion: 94 Resp: 833
Ion Ratio Lower Upper
94 100
96 69.8 78.0 117.0#



#11
Tert butyl alcohol
Concen: 1.325 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.018 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Tgt Ion: 59 Resp: 484
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#





#13

Acrolein

Concen: 0.787 ug/l

RT: 4.194 min Scan# 31

Delta R.T. 0.018 min

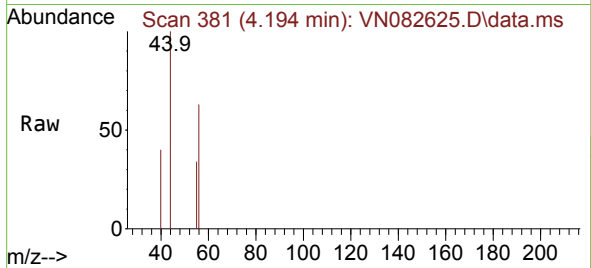
Lab File: VN082625.D

Acq: 18 Jun 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :

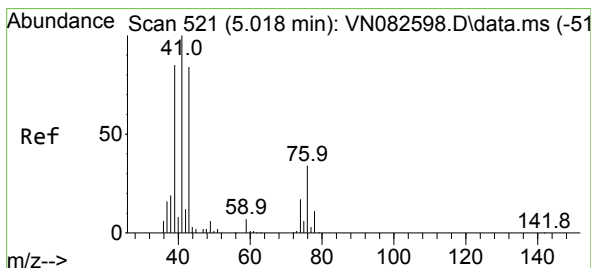
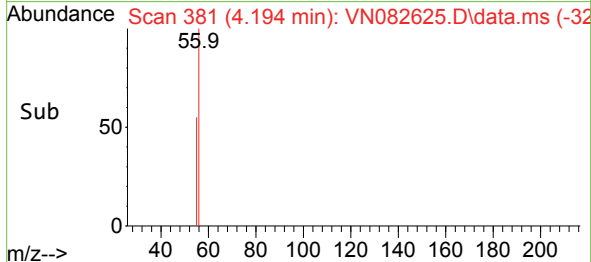
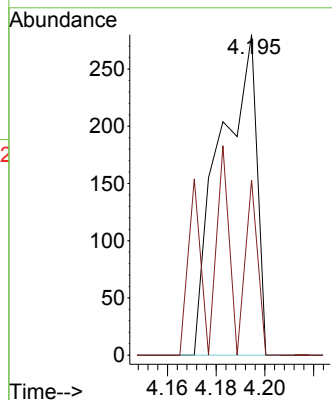


Tgt Ion: 56 Resp: 293

Ion Ratio Lower Upper

56 100

55 40.6 56.4 84.6#



#14

Allyl chloride

Concen: 2.294 ug/l

RT: 4.953 min Scan# 510

Delta R.T. -0.065 min

Lab File: VN082625.D

Acq: 18 Jun 2024 16:45

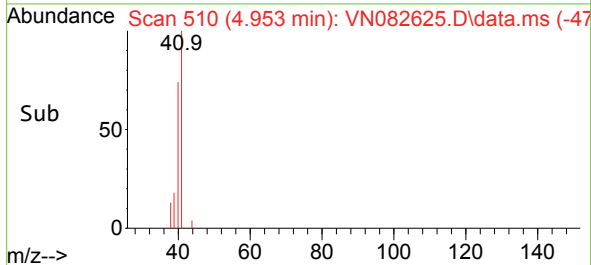
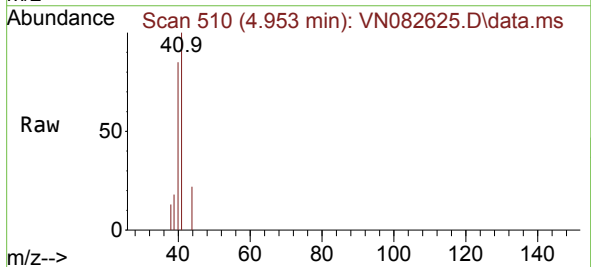
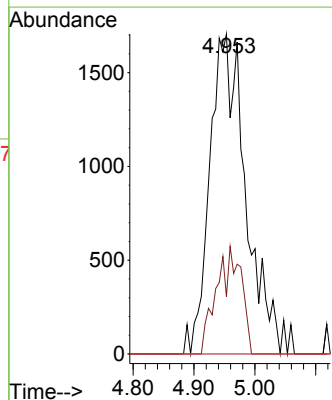
Tgt Ion: 41 Resp: 6952

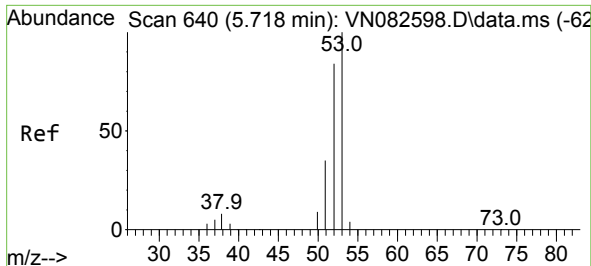
Ion Ratio Lower Upper

41 100

39 12.3 67.8 101.6#

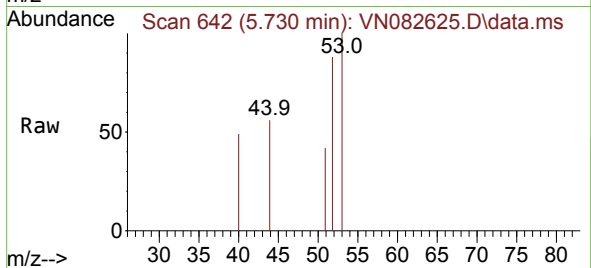
76 0.0 25.8 38.8#



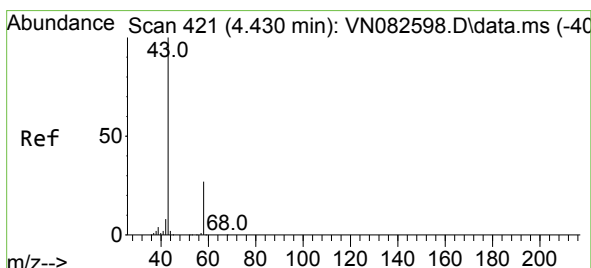
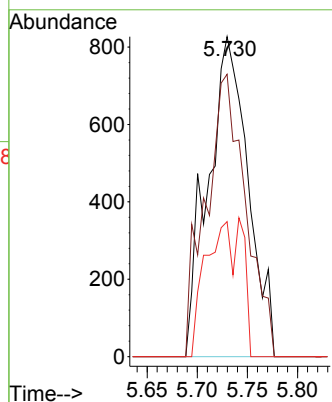
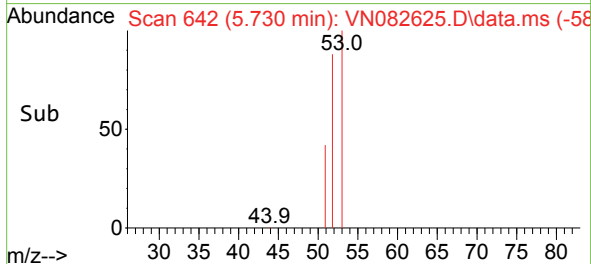


#15
Acrylonitrile
Concen: 2.386 ug/l
RT: 5.730 min Scan# 640
Delta R.T. 0.012 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

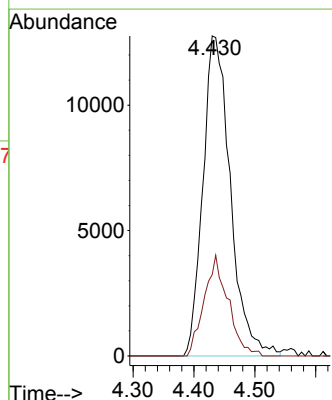
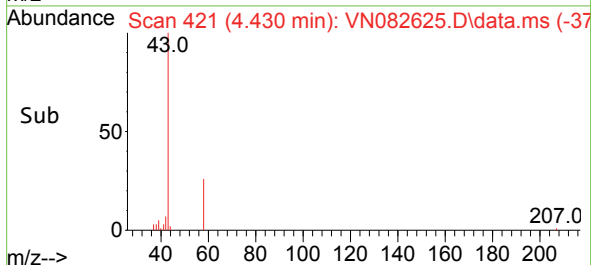
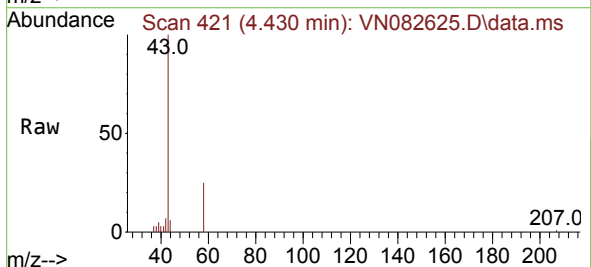


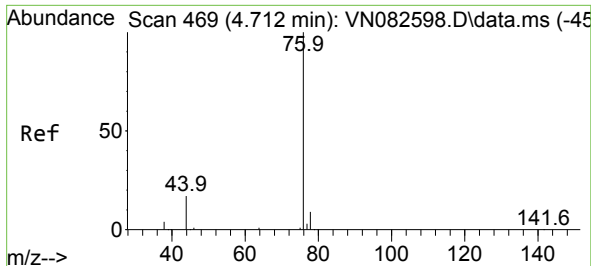
Tgt Ion:	53	Resp:	2301
Ion	Ratio	Lower	Upper
53	100		
52	87.5	66.6	100.0
51	38.7	30.1	45.1



#16
Acetone
Concen: 39.333 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

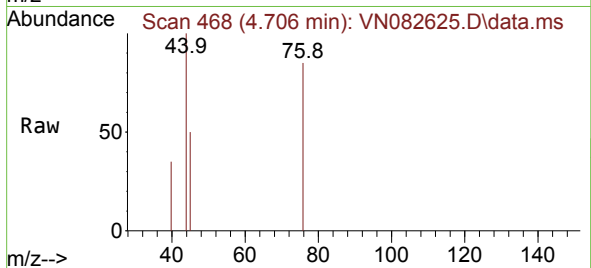
Tgt Ion:	43	Resp:	39929
Ion	Ratio	Lower	Upper
43	100		
58	25.4	21.8	32.6



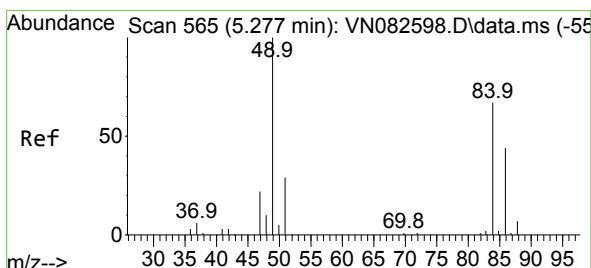
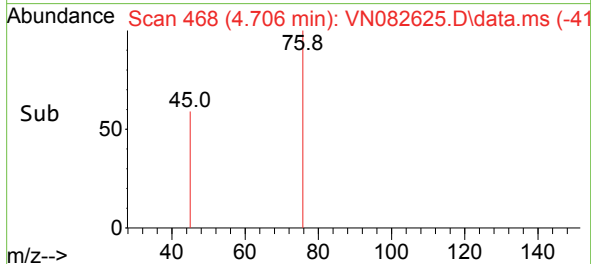
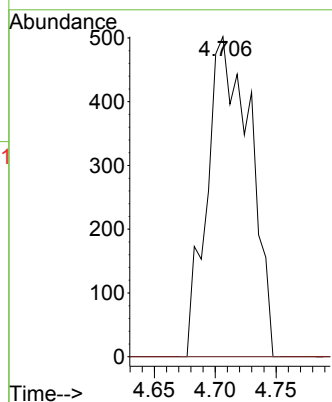


#17
Carbon Disulfide
Concen: 0.252 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

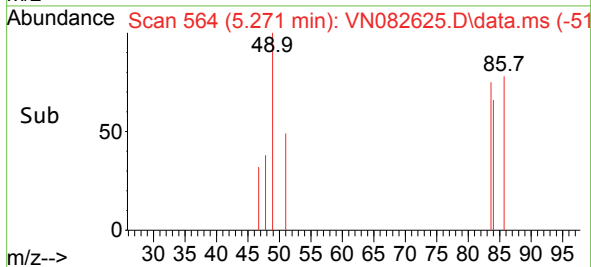
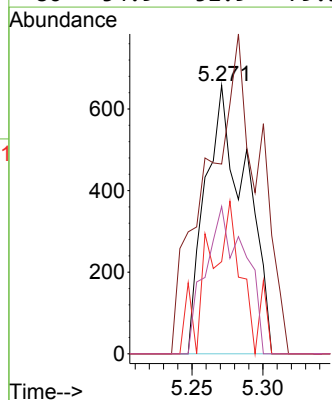
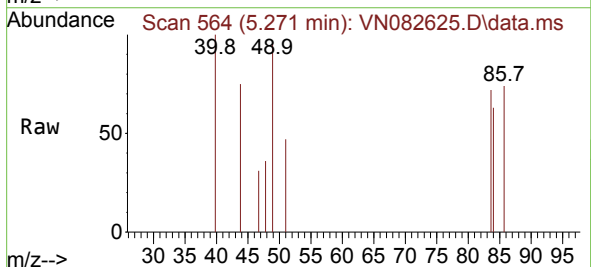


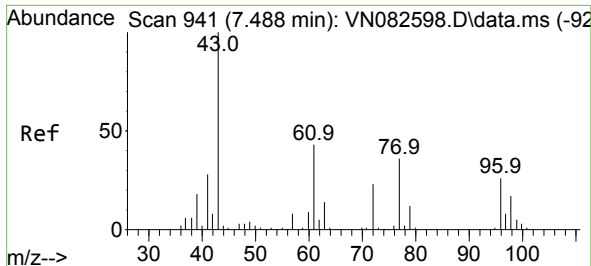
Tgt Ion: 76 Resp: 1239
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.733 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Tgt Ion: 84 Resp: 1309
Ion Ratio Lower Upper
84 100
49 47.7 119.6 179.4#
51 34.3 34.8 52.2#
86 54.9 52.9 79.3

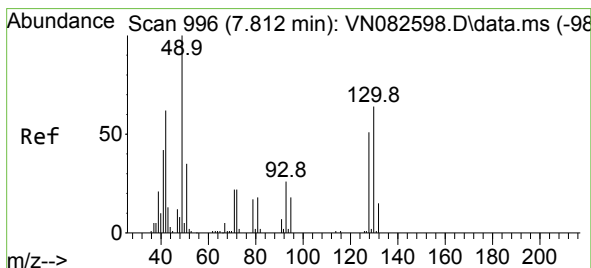
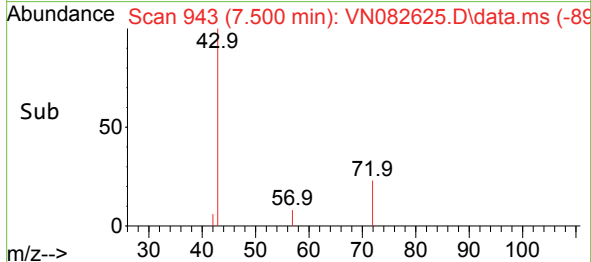
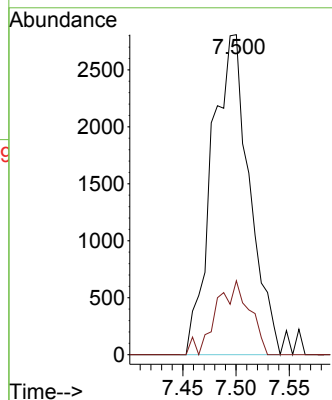
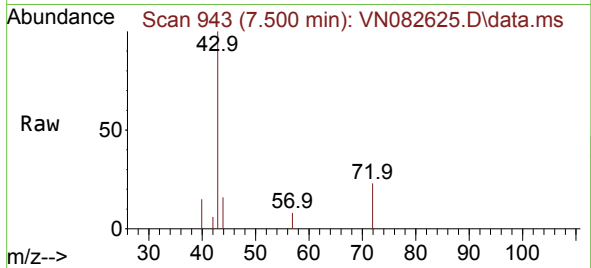




#25
2-Butanone
Concen: 4.780 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

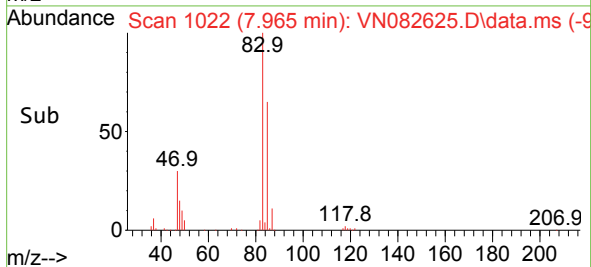
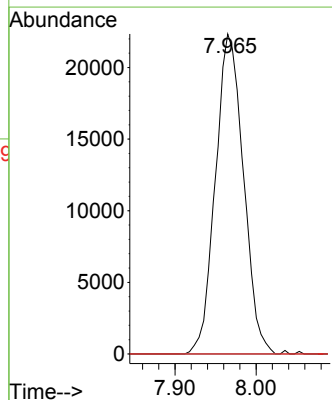
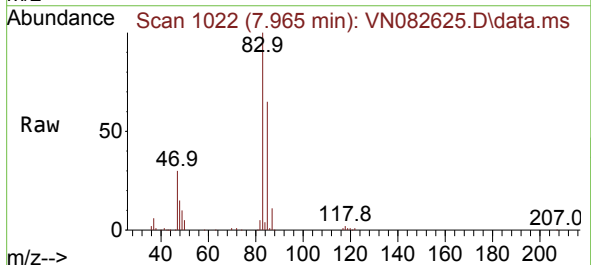
Instrument :
MSVOA_N
ClientSampleId :

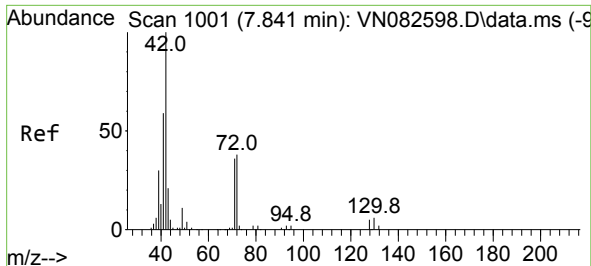
Tgt Ion: 43 Resp: 6897
Ion Ratio Lower Upper
43 100
72 23.1 18.2 27.2



#28
Bromochloromethane
Concen: 34.064 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.153 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Tgt Ion: 49 Resp: 53529
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 50.5 75.7#

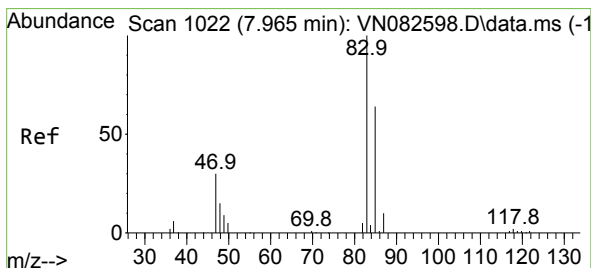
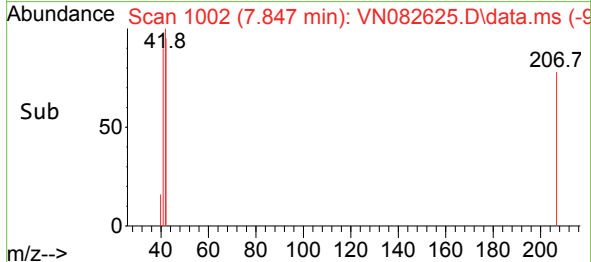
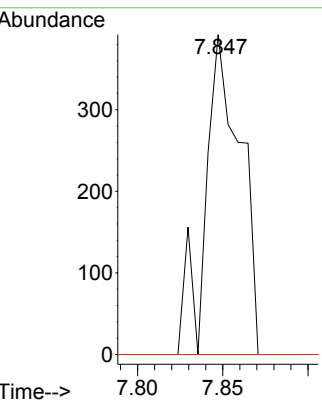
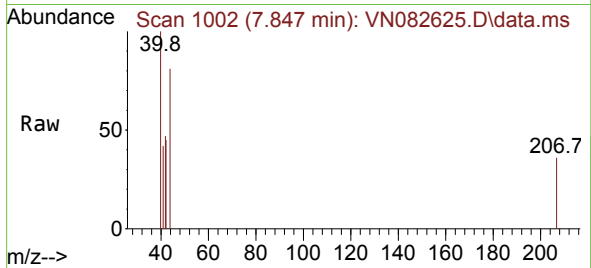




#29
Tetrahydrofuran
Concen: 0.637 ug/l
RT: 7.847 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

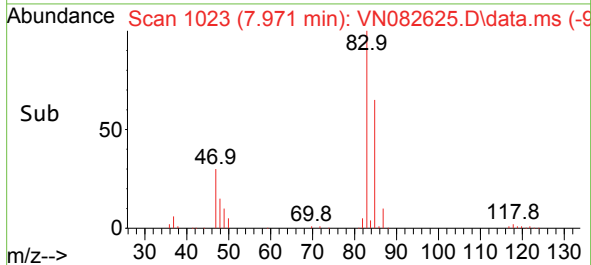
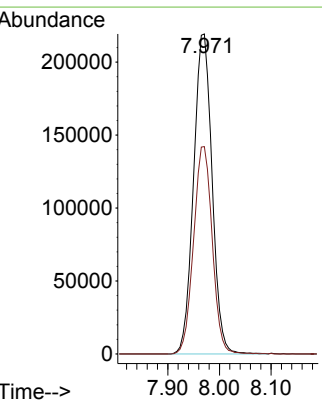
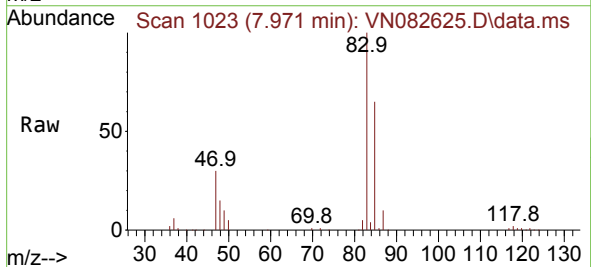
Instrument :
MSVOA_N
ClientSampleId :

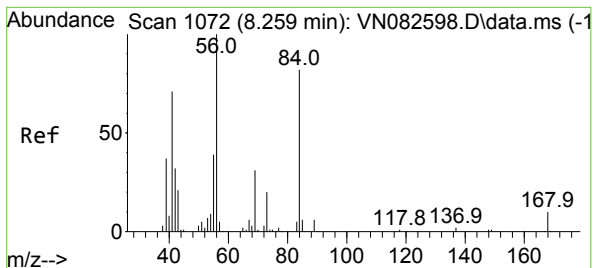
Tgt Ion: 42 Resp: 563
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



#30
Chloroform
Concen: 162.406 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Tgt Ion: 83 Resp: 545512
Ion Ratio Lower Upper
83 100
85 64.8 50.9 76.3





#31

Cyclohexane

Concen: 1.216 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

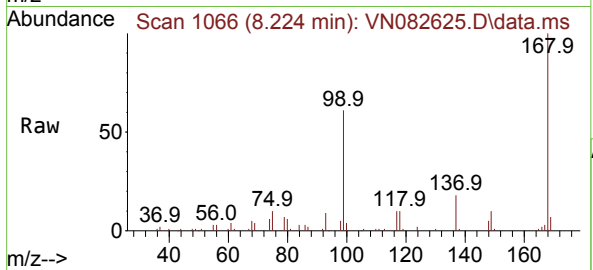
Lab File: VN082625.D

Acq: 18 Jun 2024 16:45

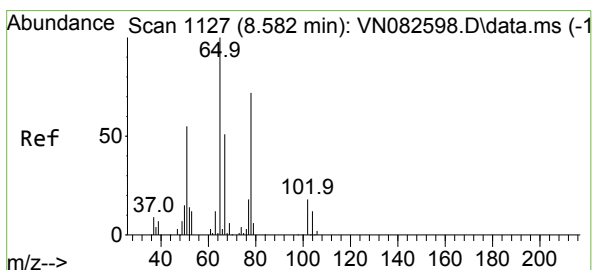
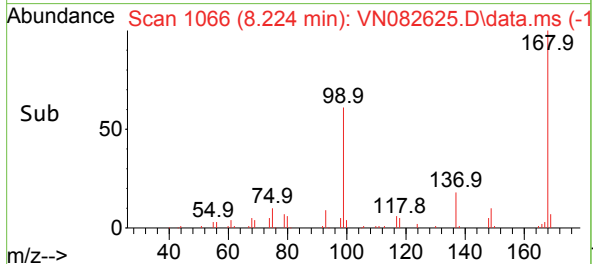
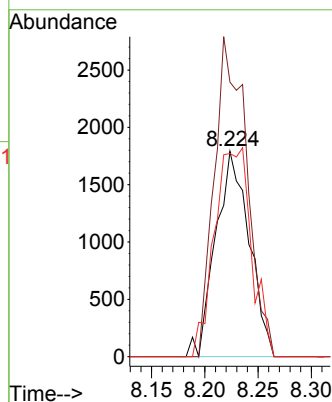
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 3917
Ion Ratio	Lower Upper
56	100
69	133.7 24.5 36.7#
84	98.9 66.0 99.0



#33

1,2-Dichloroethane-d4

Concen: 54.234 ug/l

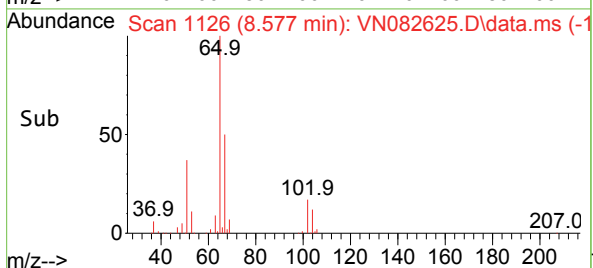
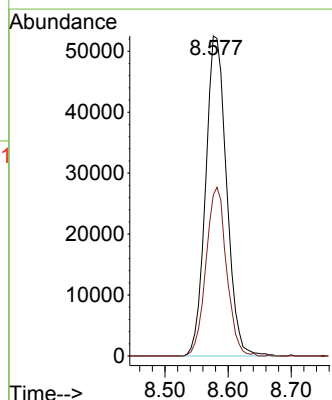
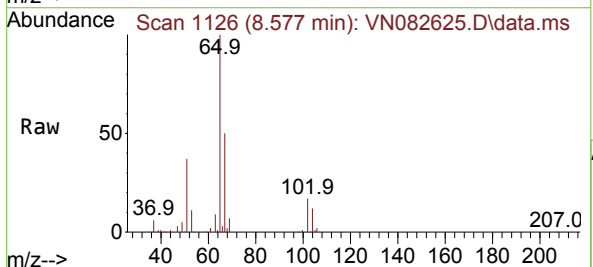
RT: 8.577 min Scan# 1126

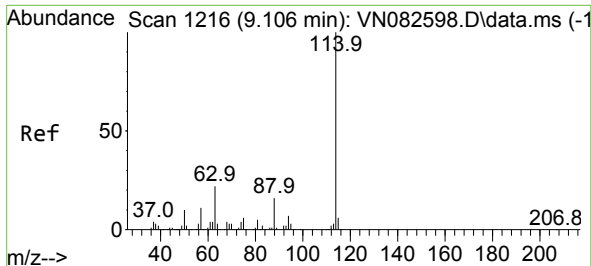
Delta R.T. -0.006 min

Lab File: VN082625.D

Acq: 18 Jun 2024 16:45

Tgt Ion: 65	Resp: 121059
Ion Ratio	Lower Upper
65	100
67	51.7 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN082625.D

Acq: 18 Jun 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :

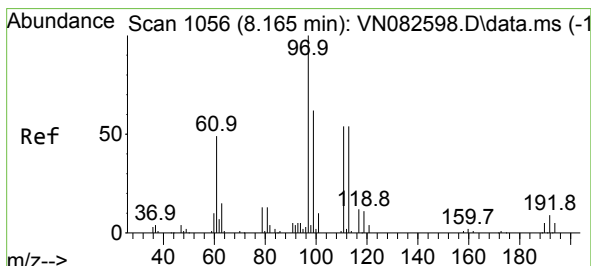
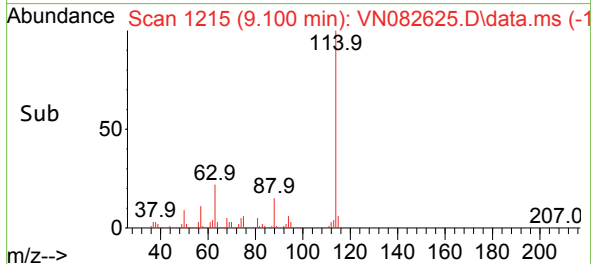
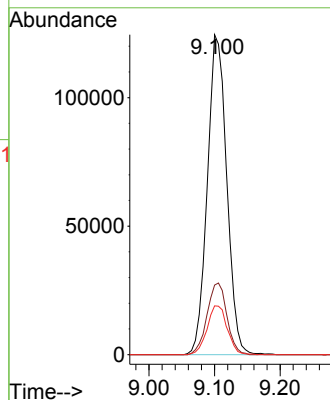
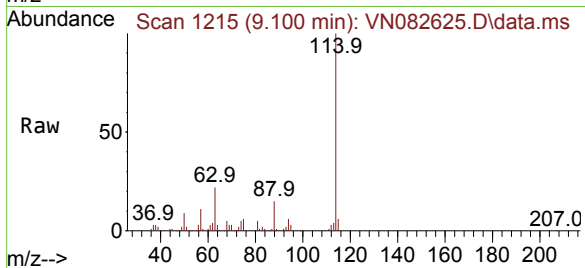
Tgt Ion:114 Resp: 255934

Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.6

88 15.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.025 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN082625.D

Acq: 18 Jun 2024 16:45

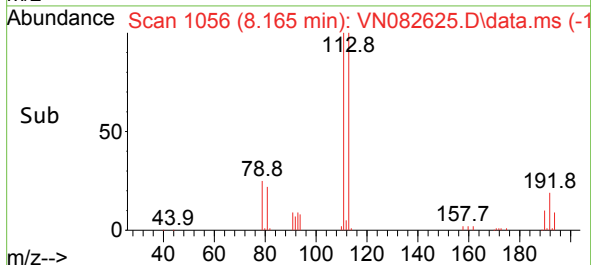
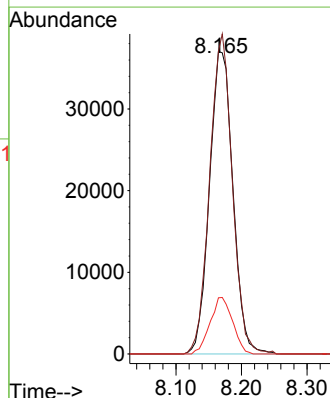
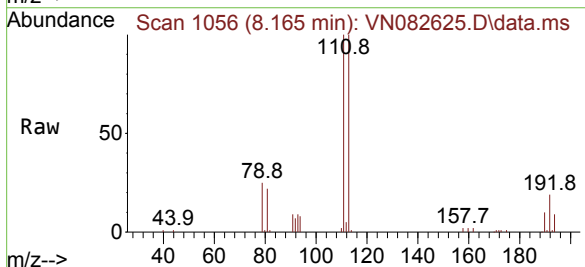
Tgt Ion:113 Resp: 92063

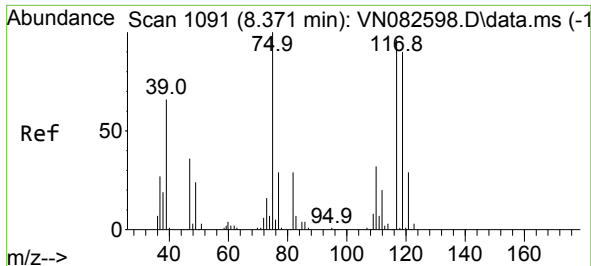
Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

192 17.9 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.654 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

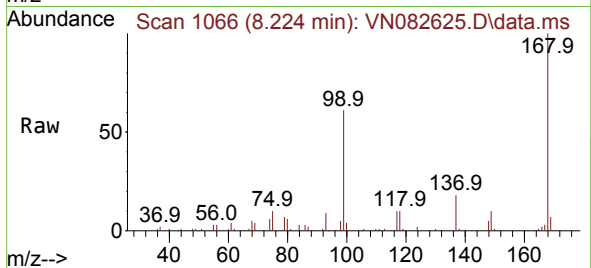
Lab File: VN082625.D

Acq: 18 Jun 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :



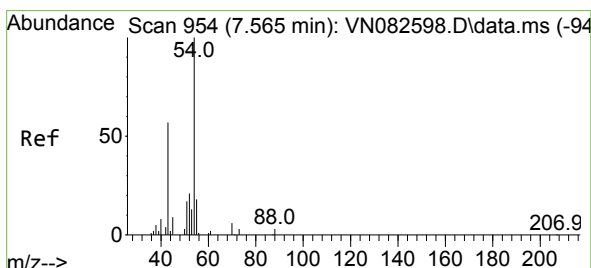
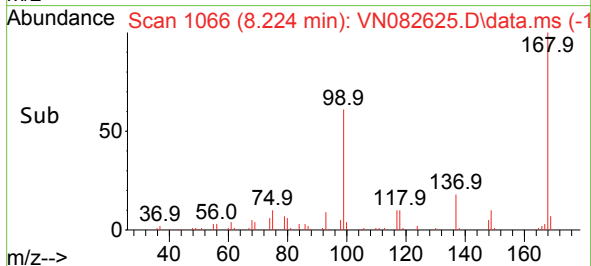
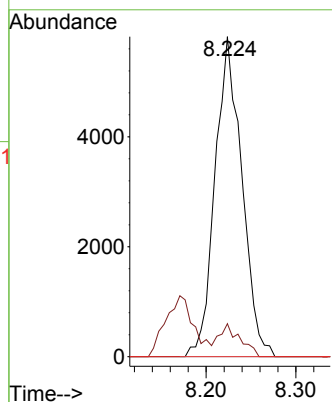
Tgt Ion: 75 Resp: 12079

Ion Ratio Lower Upper

75 100

110 8.0 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 2.086 ug/l

RT: 7.500 min Scan# 943

Delta R.T. -0.065 min

Lab File: VN082625.D

Acq: 18 Jun 2024 16:45

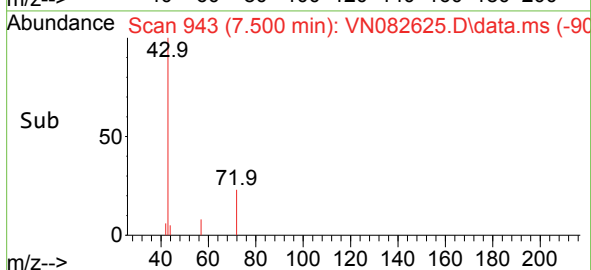
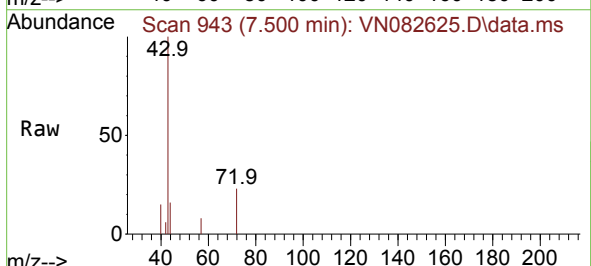
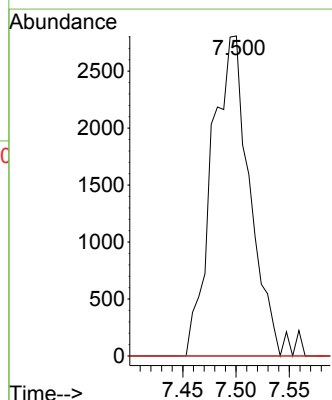
Tgt Ion: 43 Resp: 6897

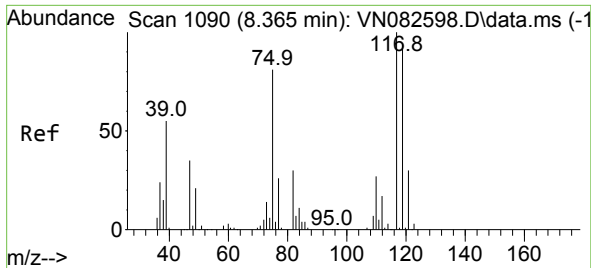
Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

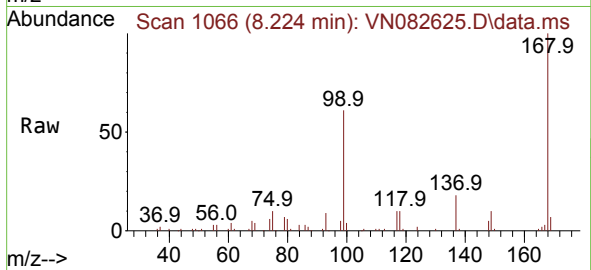
70 0.0 7.0 10.6#



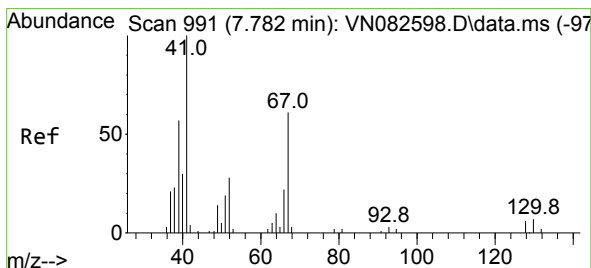
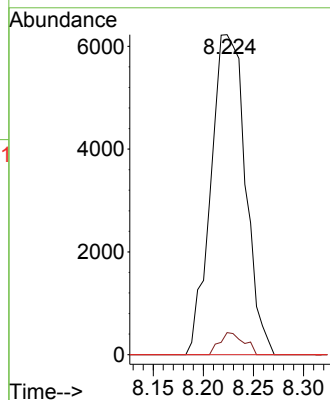
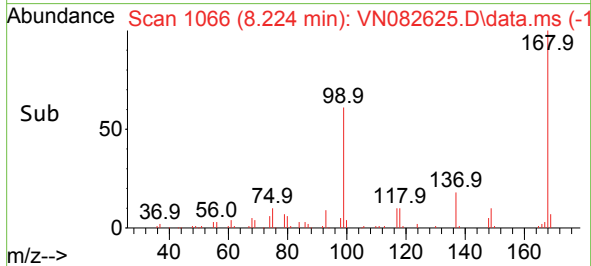


#38
Carbon Tetrachloride
Concen: 5.115 ug/l
RT: 8.224 min Scan# 1000
Delta R.T. -0.141 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

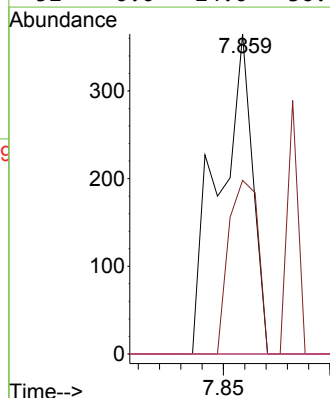
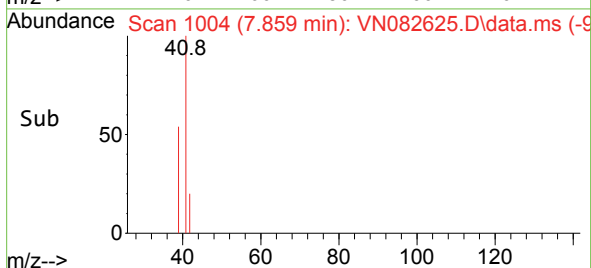
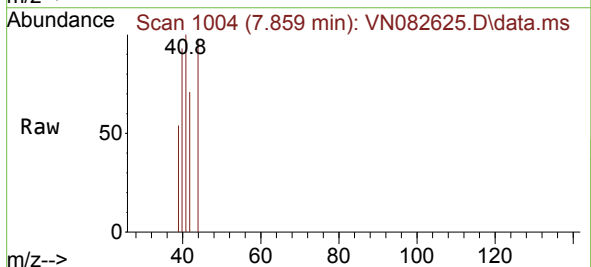


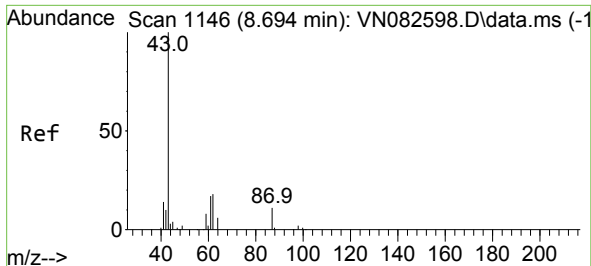
Tgt Ion:117 Resp: 14962
Ion Ratio Lower Upper
117 100
119 6.9 74.9 112.3#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 0.239 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.077 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

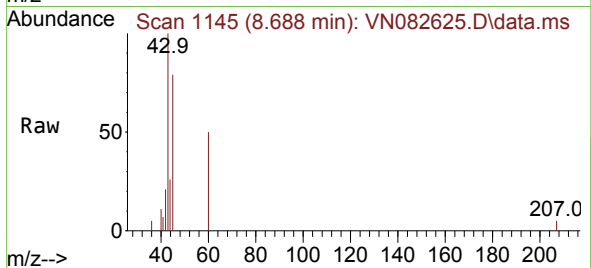
Tgt Ion: 41 Resp: 404
Ion Ratio Lower Upper
41 100
39 47.0 45.5 68.3
67 0.0 50.5 75.7#
52 0.0 24.0 36.0#



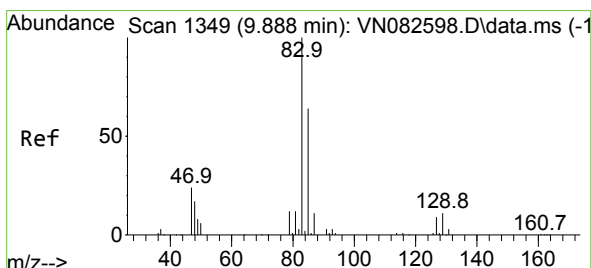
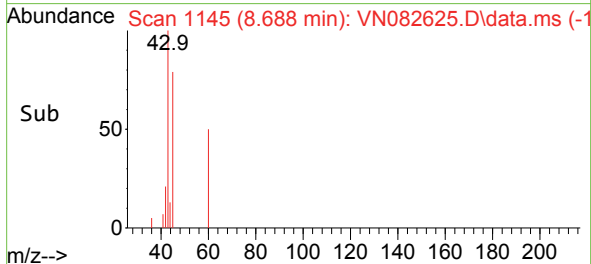
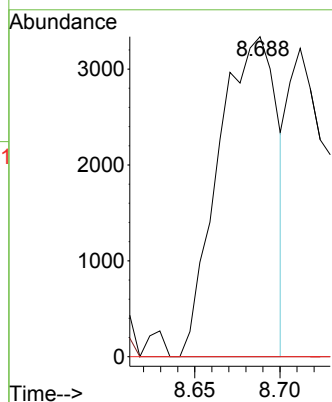


#43
Isopropyl Acetate
Concen: 1.293 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

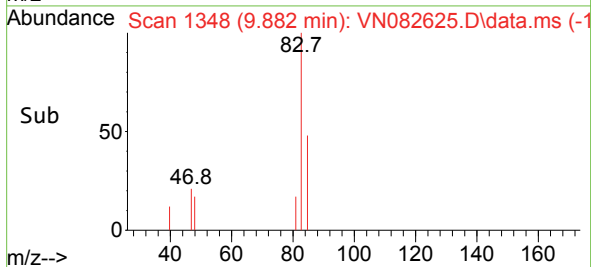
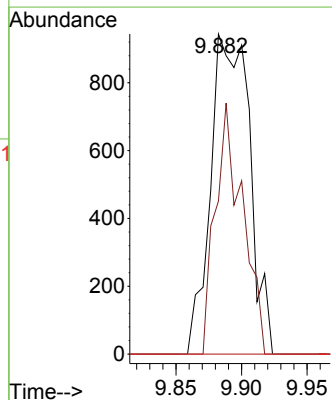
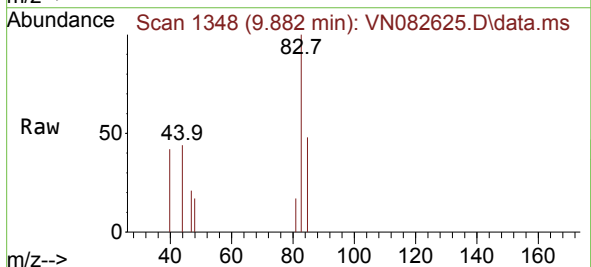


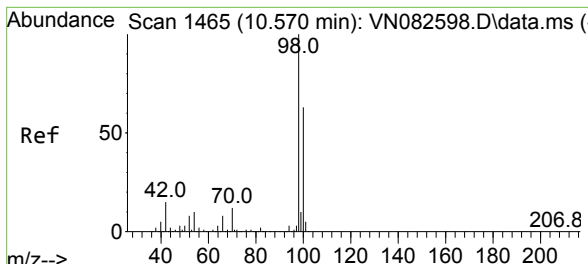
Tgt Ion: 43 Resp: 7988
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#47
Bromodichloromethane
Concen: 0.656 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.006 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Tgt Ion: 83 Resp: 1958
Ion Ratio Lower Upper
83 100
85 47.8 51.1 76.7#
127 0.0 7.2 10.8#

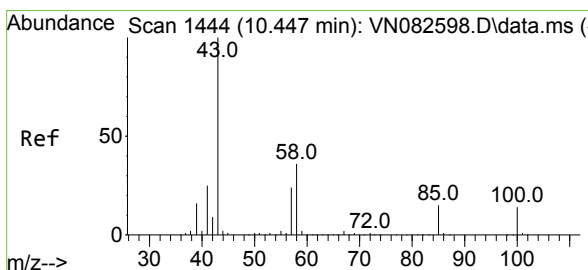
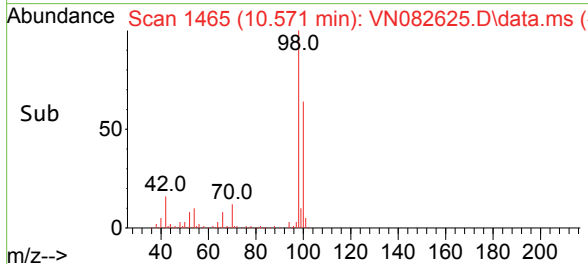
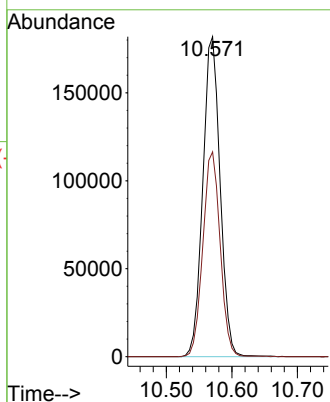
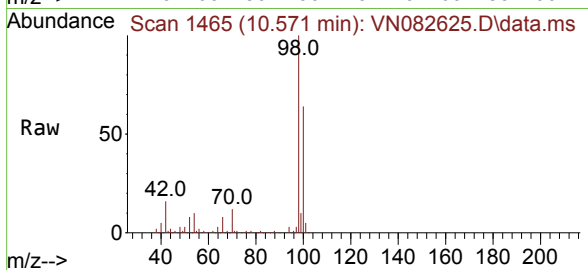




#50
Toluene-d8
Concen: 50.835 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

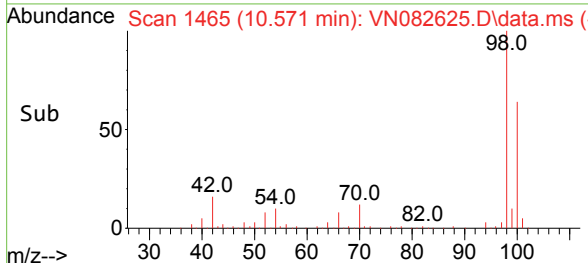
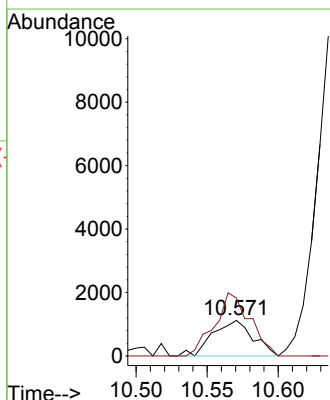
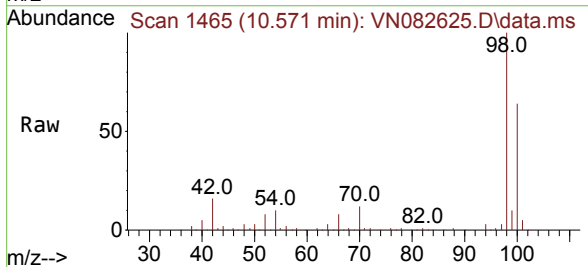
Instrument :
MSVOA_N
ClientSampleId :

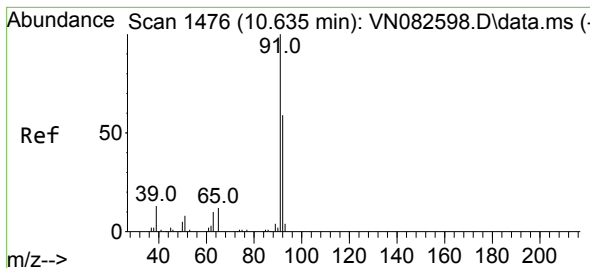
Tgt Ion: 98 Resp: 333771
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.697 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Tgt Ion: 43 Resp: 2209
Ion Ratio Lower Upper
43 100
58 155.7 28.2 42.4#





#52

Toluene

Concen: 0.307 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN082625.D

Acq: 18 Jun 2024 16:45

Instrument :

MSVOA_N

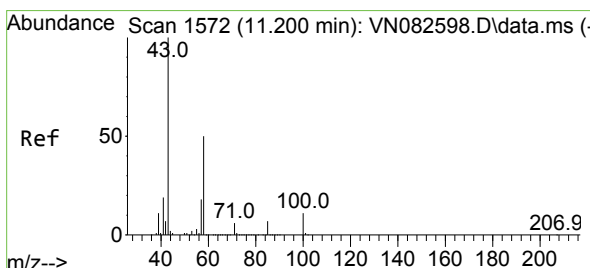
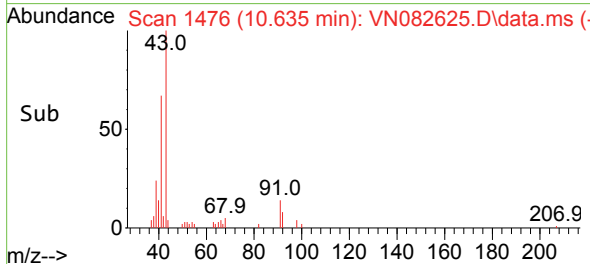
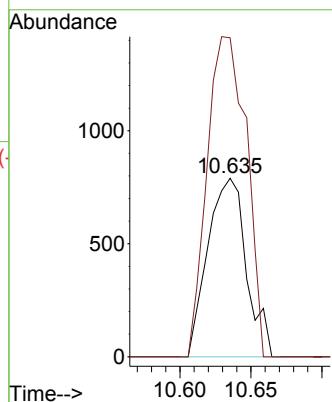
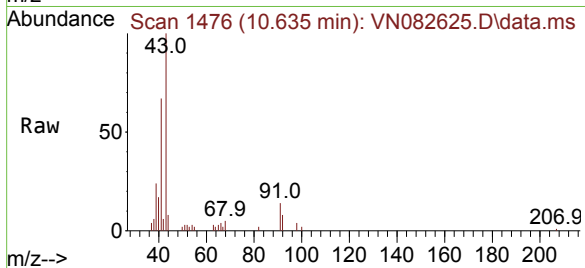
ClientSampleId :

Tgt Ion: 92 Resp: 1491

Ion Ratio Lower Upper

92 100

91 182.8 139.4 209.0



#59

2-Hexanone

Concen: 0.207 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN082625.D

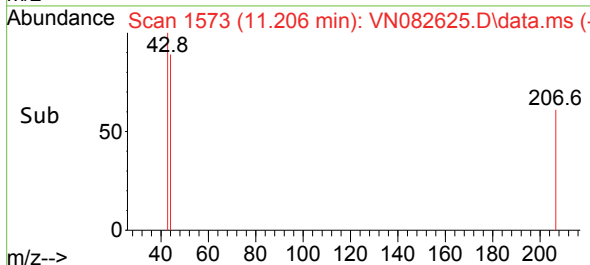
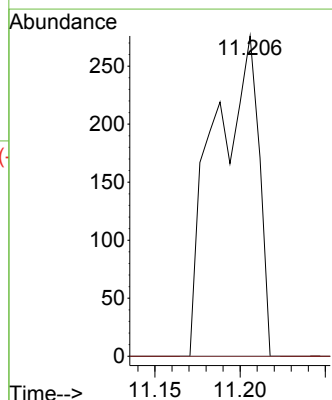
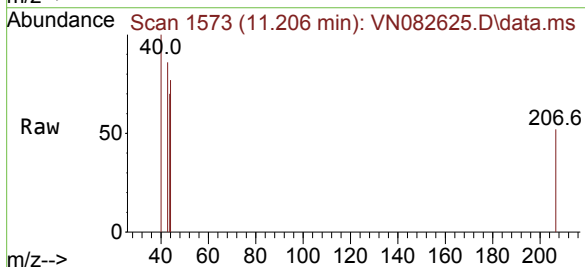
Acq: 18 Jun 2024 16:45

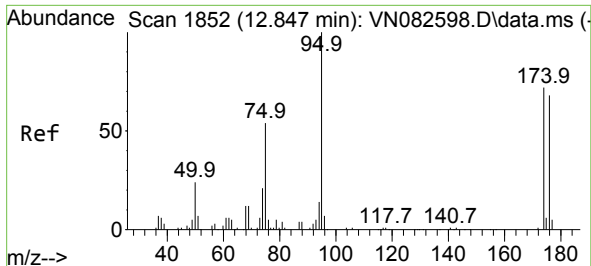
Tgt Ion: 43 Resp: 498

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#





#62

4-Bromofluorobenzene

Concen: 48.142 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN082625.D

Acq: 18 Jun 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :

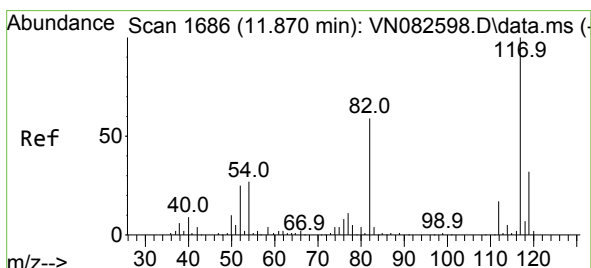
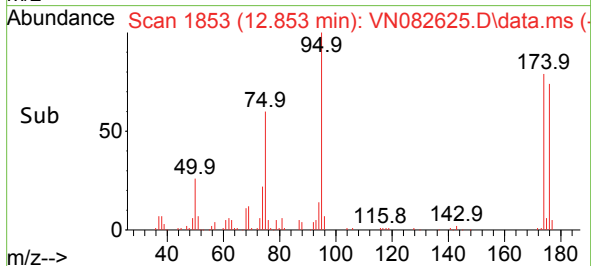
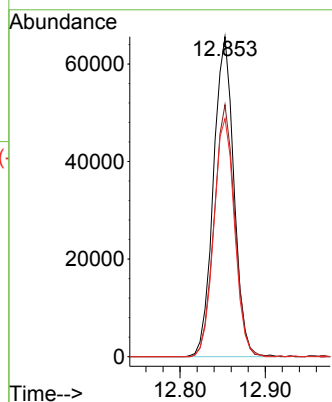
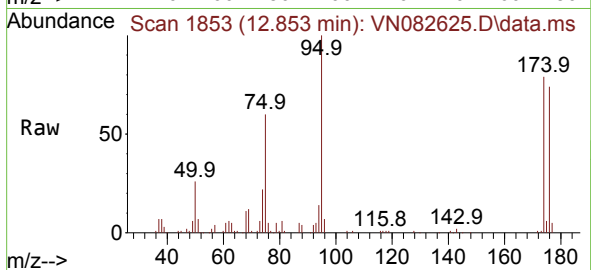
Tgt Ion: 95 Resp: 108978

Ion Ratio Lower Upper

95 100

174 79.8 0.0 159.2

176 75.5 0.0 147.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN082625.D

Acq: 18 Jun 2024 16:45

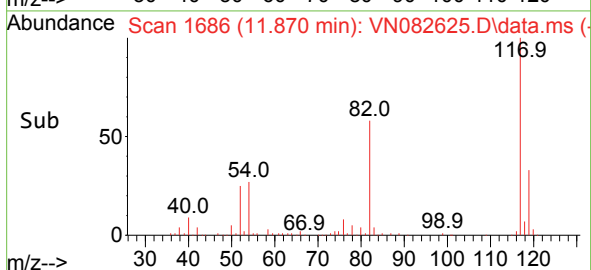
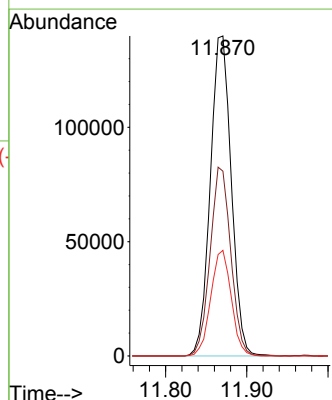
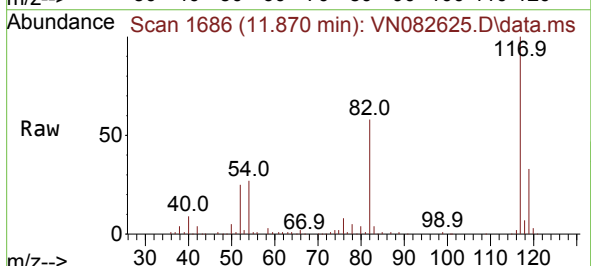
Tgt Ion: 117 Resp: 251136

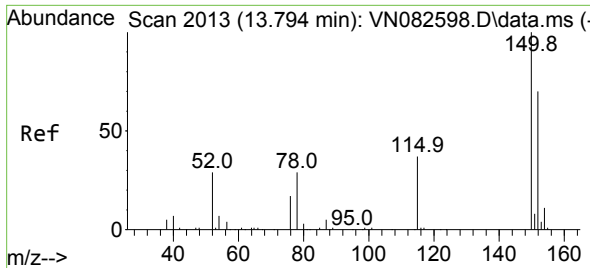
Ion Ratio Lower Upper

117 100

82 57.8 47.5 71.3

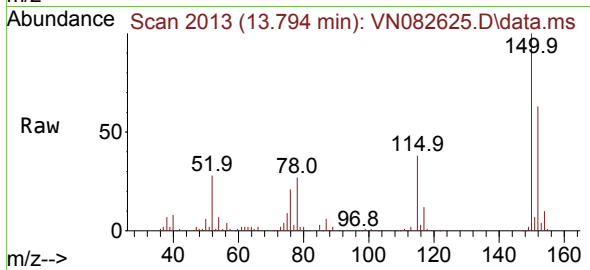
119 33.0 25.6 38.4



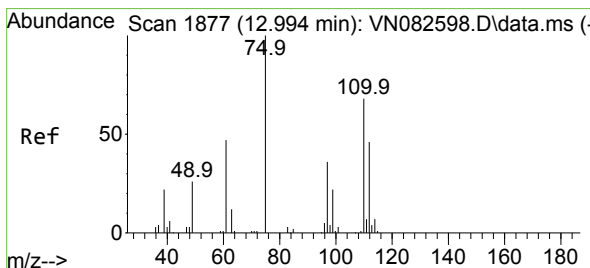
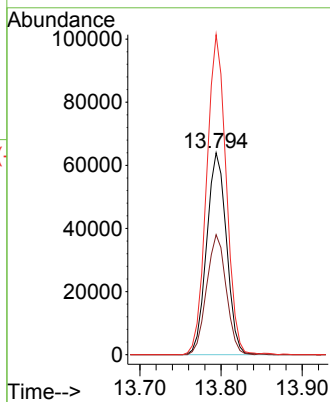
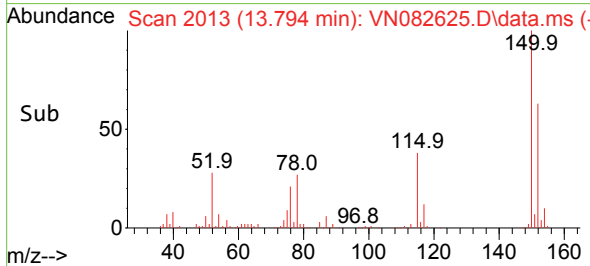


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

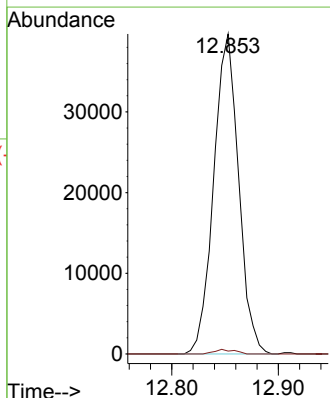
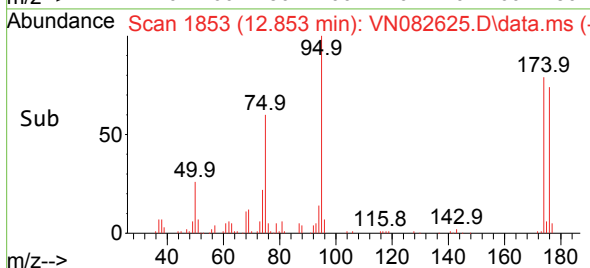
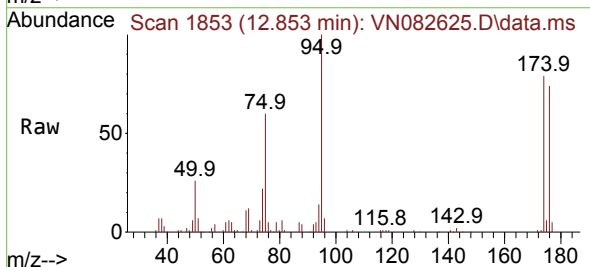


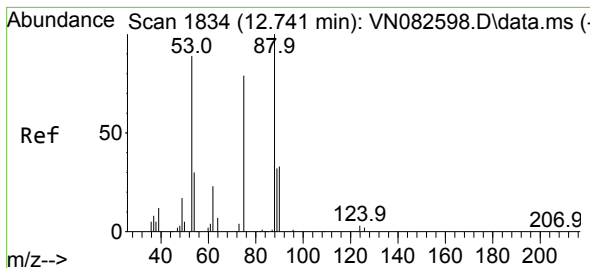
Tgt Ion:152 Resp: 108304
Ion Ratio Lower Upper
152 100
115 58.8 30.6 91.6
150 156.0 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 24.275 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

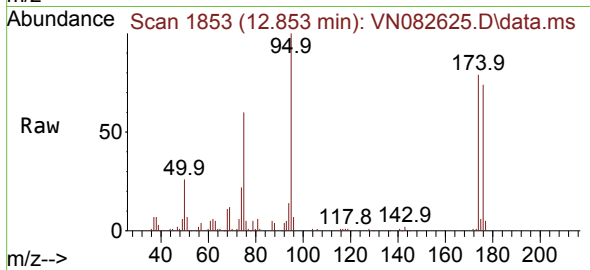
Tgt Ion: 75 Resp: 64303
Ion Ratio Lower Upper
75 100
77 1.2 110.9 332.6#



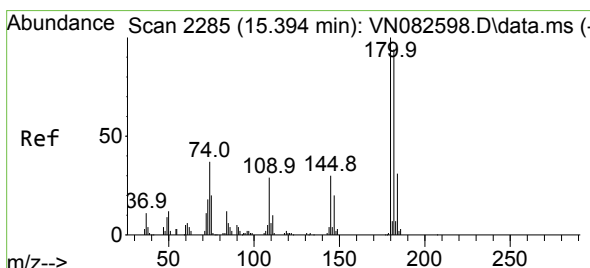
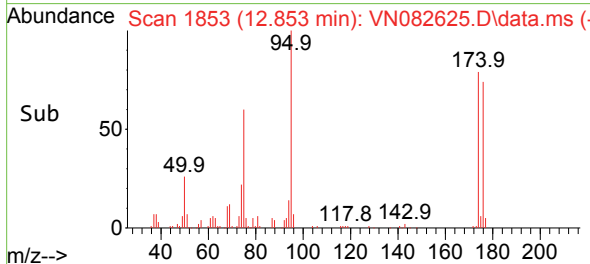
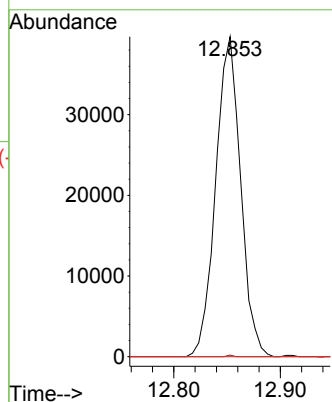


#81
trans-1,4-Dichloro-2-butene
Concen: 58.076 ug/l
RT: 12.853 min Scan# 1834
Delta R.T. 0.112 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

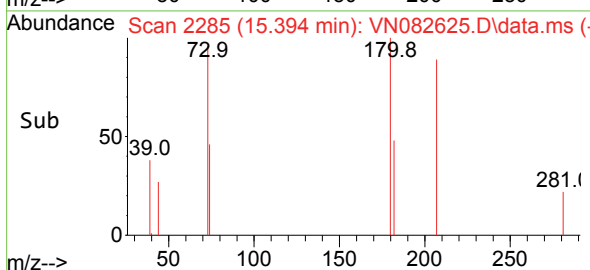
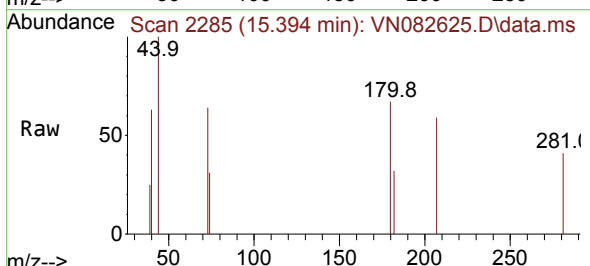
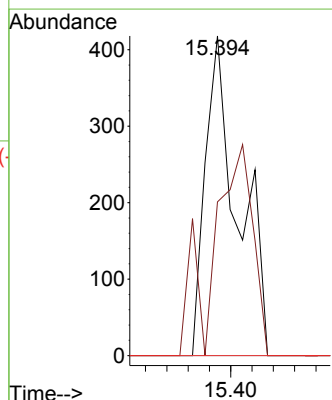


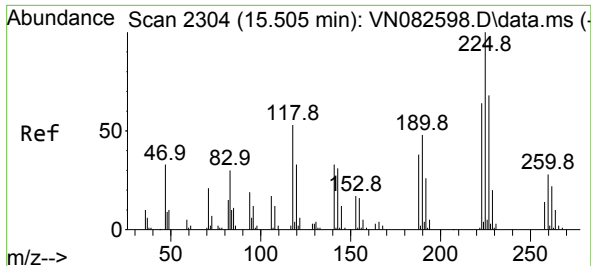
Tgt Ion: 75 Resp: 64303
Ion Ratio Lower Upper
75 100
53 0.1 88.4 132.6#
89 0.0 36.3 54.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.224 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

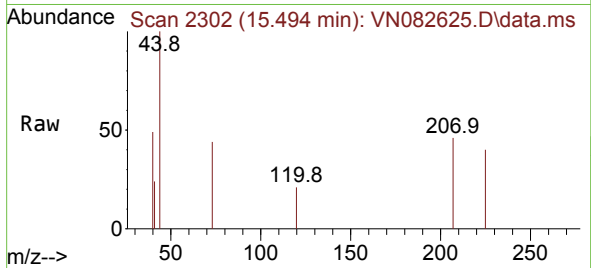
Tgt Ion:180 Resp: 443
Ion Ratio Lower Upper
180 100
182 81.5 47.3 141.8
145 0.0 15.7 47.1#



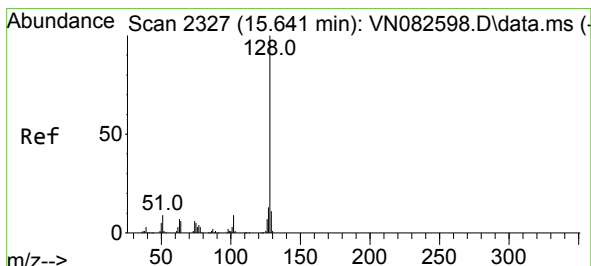
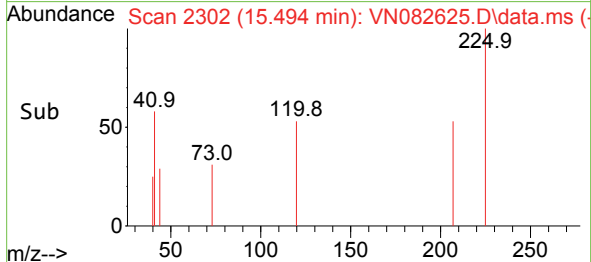
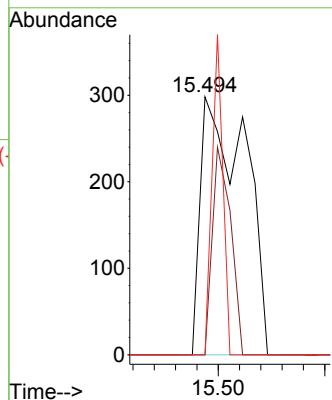


#94
Hexachlorobutadiene
Concen: 0.444 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

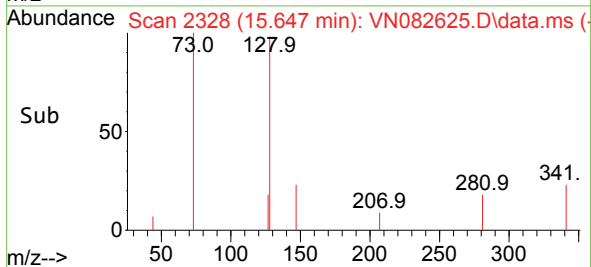
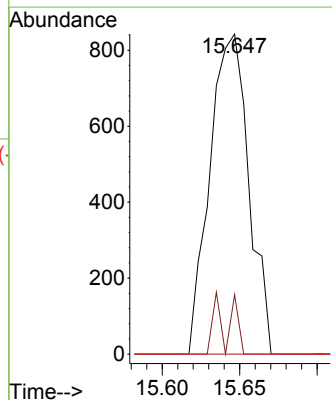
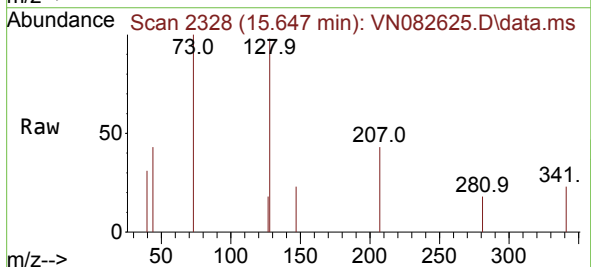


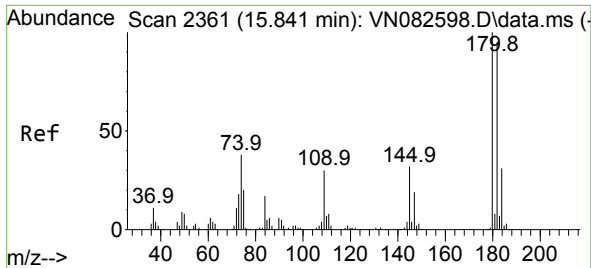
Tgt Ion:225 Resp: 433
Ion Ratio Lower Upper
225 100
223 33.3 31.9 95.7
227 30.3 32.5 97.5#



#95
Naphthalene
Concen: 0.242 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN082625.D
Acq: 18 Jun 2024 16:45

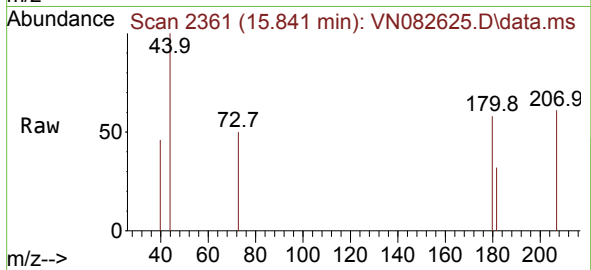
Tgt Ion:128 Resp: 1473
Ion Ratio Lower Upper
128 100
127 7.7 10.6 16.0#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.201 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN082625.D
 Acq: 18 Jun 2024 16:45

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	36.0	48.9	146.8#
145	0.0	16.8	50.4#

