

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061924\
 Data File : VN082636.D
 Acq On : 19 Jun 2024 13:08
 Operator : JC\MD
 Sample : PB161542ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 02:59:42 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)

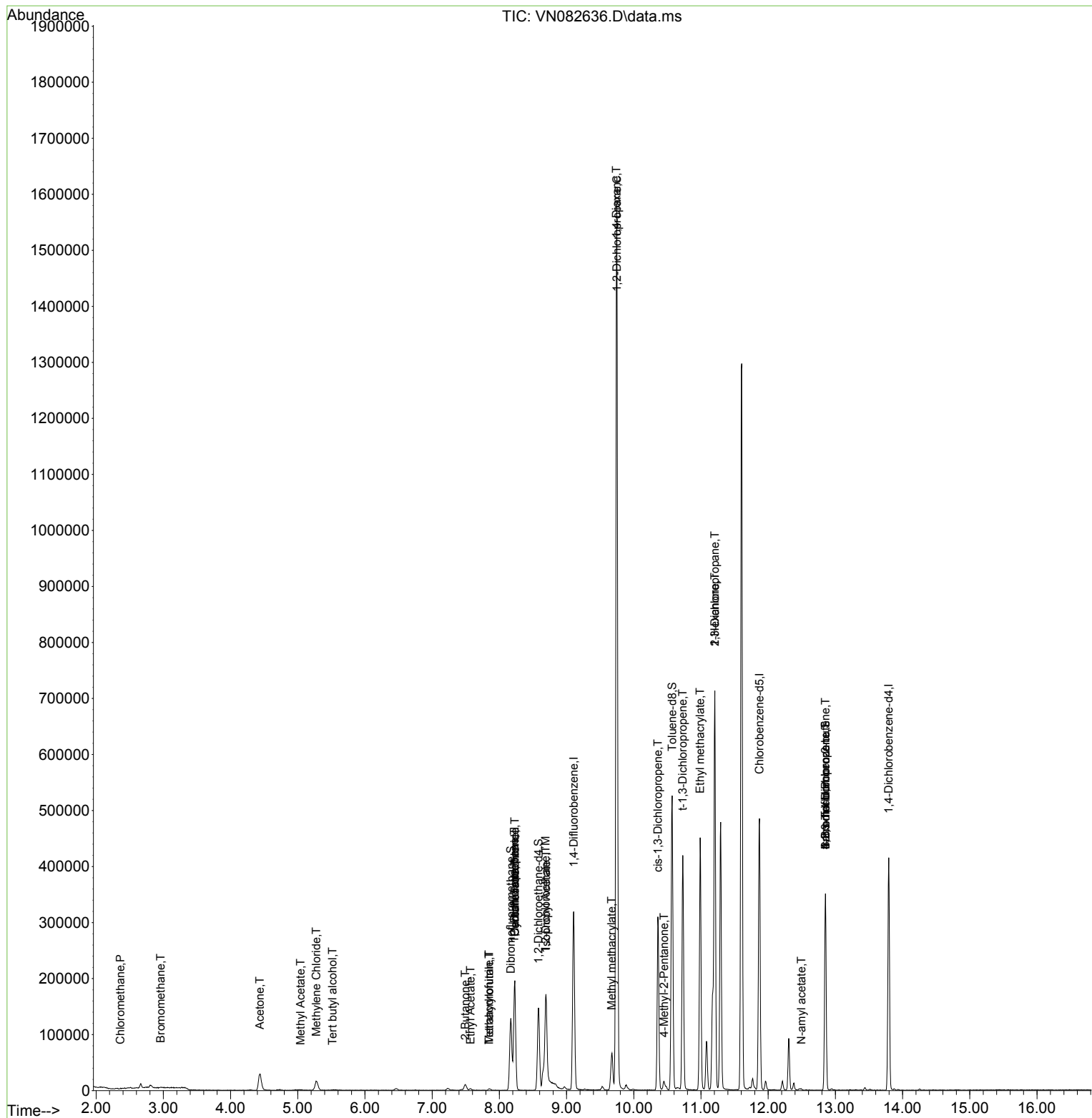
Internal Standards						
1) Pentafluorobenzene	8.230	168	132244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	252073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	259069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	121491	57.288	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.580%
35) Dibromofluoromethane	8.171	113	88870	51.970	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.940%
50) Toluene-d8	10.571	98	339638	52.521	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.040%
62) 4-Bromofluorobenzene	12.853	95	110784	49.690	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	99.380%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	555	0.251	ug/l #	43
5) Bromomethane	2.959	94	729	0.537	ug/l #	56
11) Tert butyl alcohol	5.518	59	619	1.783	ug/l #	71
16) Acetone	4.436	43	58860	61.028	ug/l	98
18) Methyl Acetate	5.042	43	2211	0.937	ug/l #	69
20) Methylene Chloride	5.277	84	11657	6.875	ug/l	96
25) 2-Butanone	7.494	43	17352	12.658	ug/l	97
29) Tetrahydrofuran	7.847	42	1921	2.289	ug/l #	83
31) Cyclohexane	8.230	56	4021	1.314	ug/l #	21
36) 1,1-Dichloropropene	8.224	75	12280	4.804	ug/l #	49
37) Ethyl Acetate	7.571	43	4901	1.505	ug/l #	83
38) Carbon Tetrachloride	8.230	117	14240	4.943	ug/l #	17
41) Methacrylonitrile	7.847	41	1316	0.791	ug/l #	54
42) 1,2-Dichloroethane	8.688	62	1161	0.386	ug/l #	78
43) Isopropyl Acetate	8.694	43	234248	38.493	ug/l #	84
45) 1,2-Dichloropropane	9.747	63	1912	0.940	ug/l #	44
48) Methyl methacrylate	9.671	41	5504	2.194	ug/l #	54
49) 1,4-Dioxane	9.741	88	59	1.504	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	14883	4.768	ug/l #	82
53) t-1,3-Dichloropropene	10.729	75	1005	0.335	ug/l #	77
54) cis-1,3-Dichloropropene	10.359	75	46443	14.952	ug/l #	68
56) Ethyl methacrylate	10.988	69	1902	0.663	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6532	2.039	ug/l #	43
59) 2-Hexanone	11.206	43	90109	37.983	ug/l #	63
71) Bromoform	12.853	173	1121	0.669	ug/l #	1
74) N-amyl acetate	12.494	43	1345	0.319	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	65399	25.726	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	65399	61.548	ug/l #	6

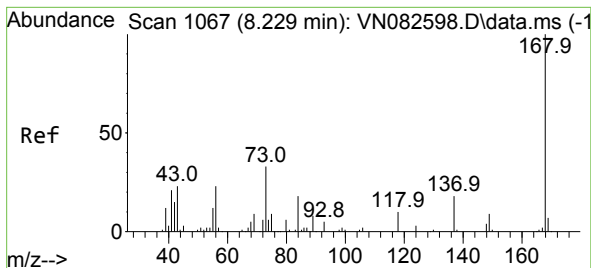
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061924\
Data File : VN082636.D
Acq On : 19 Jun 2024 13:08
Operator : JC\MD
Sample : PB161542ZHE#02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 20 02:59:42 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

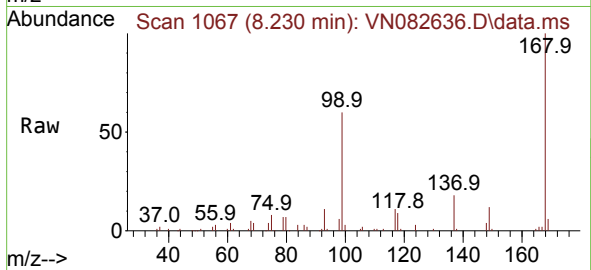
Lab File: VN082636.D

Acq: 19 Jun 2024 13:08

Instrument :

MSVOA_N

ClientSampleId :

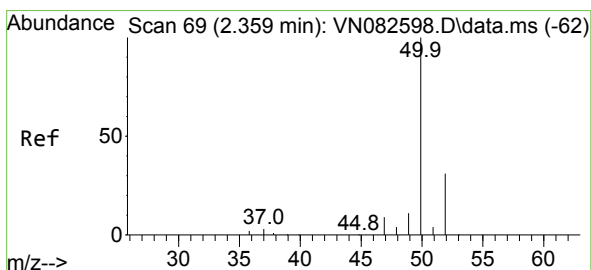
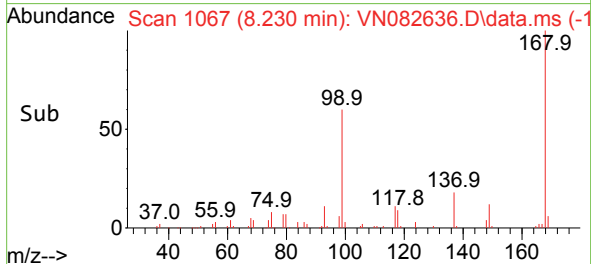
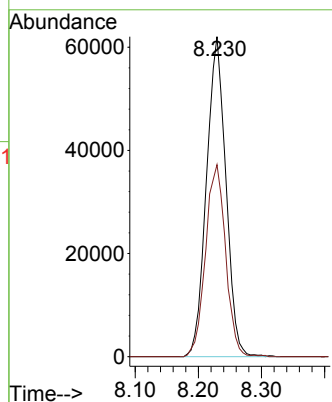


Tgt Ion:168 Resp: 132244

Ion Ratio Lower Upper

168 100

99 60.0 48.2 72.4



#3

Chloromethane

Concen: 0.251 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN082636.D

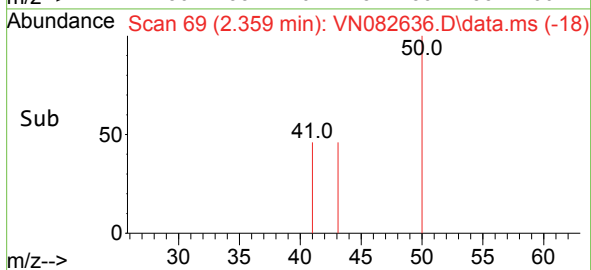
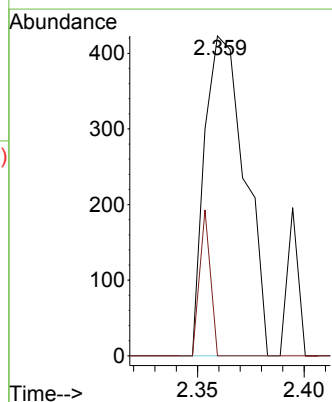
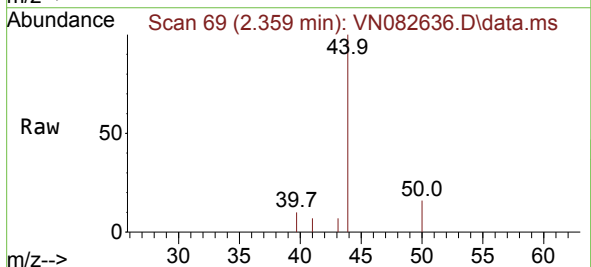
Acq: 19 Jun 2024 13:08

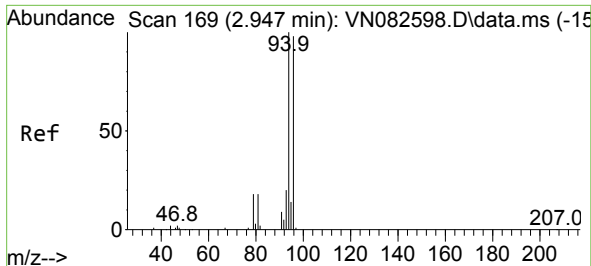
Tgt Ion: 50 Resp: 555

Ion Ratio Lower Upper

50 100

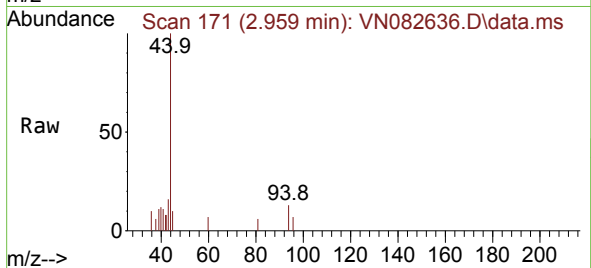
52 0.0 25.0 37.4#



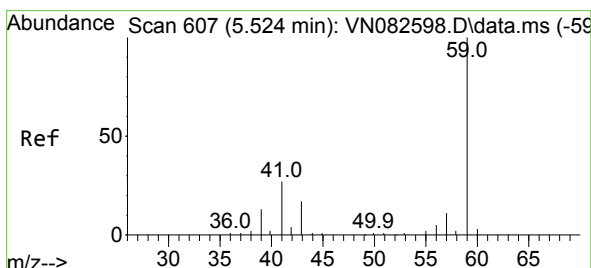
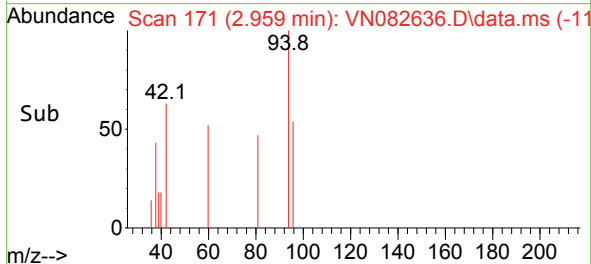
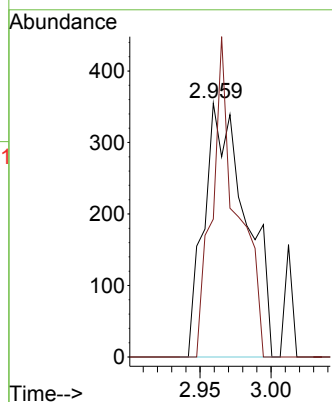


#5
Bromomethane
Concen: 0.537 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :

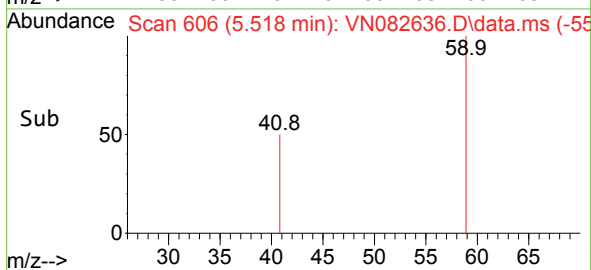
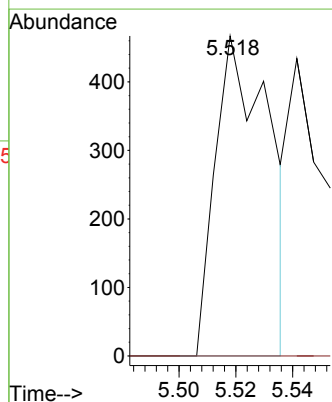
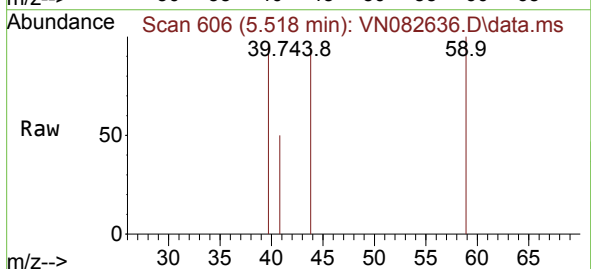


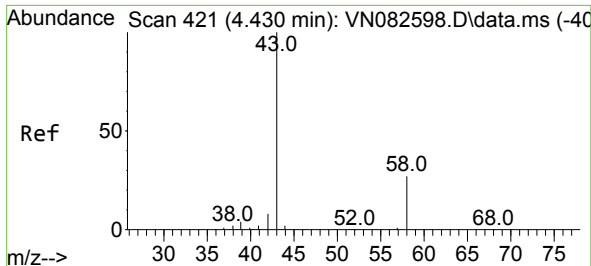
Tgt Ion: 94 Resp: 729
Ion Ratio Lower Upper
94 100
96 54.4 78.0 117.0#



#11
Tert butyl alcohol
Concen: 1.783 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

Tgt Ion: 59 Resp: 619
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#





#16

Acetone

Concen: 61.028 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN082636.D

Acq: 19 Jun 2024 13:08

Instrument :

MSVOA_N

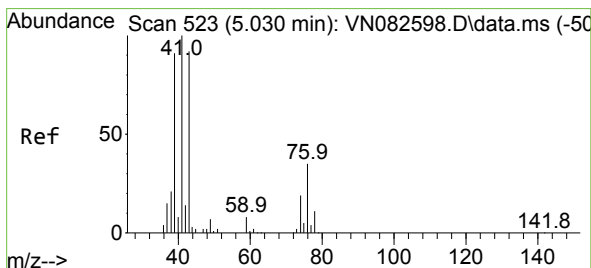
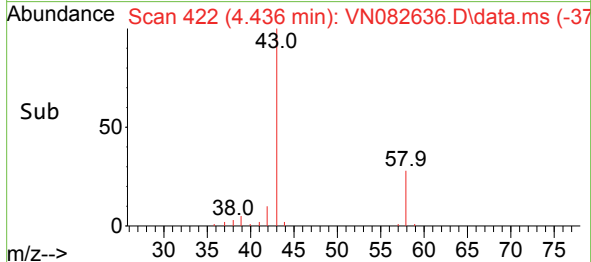
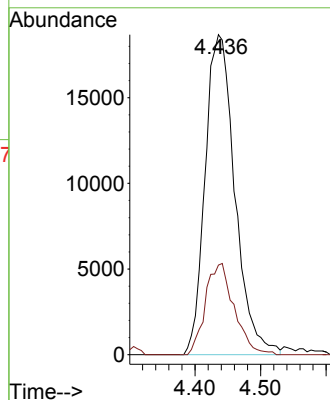
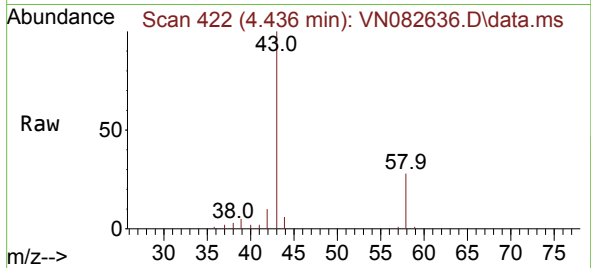
ClientSampleId :

Tgt Ion: 43 Resp: 58860

Ion Ratio Lower Upper

43 100

58 28.0 21.8 32.6



#18

Methyl Acetate

Concen: 0.937 ug/l

RT: 5.042 min Scan# 525

Delta R.T. 0.012 min

Lab File: VN082636.D

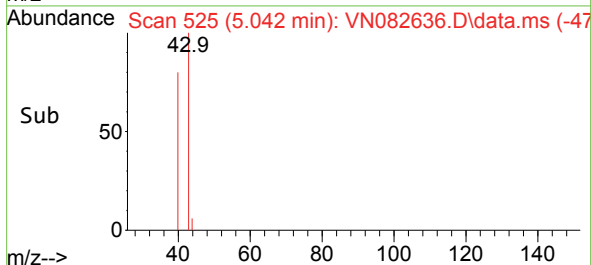
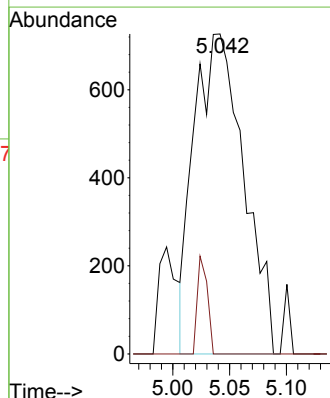
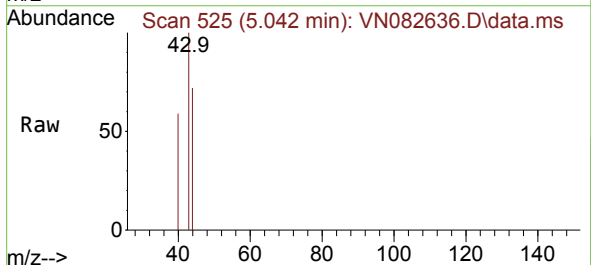
Acq: 19 Jun 2024 13:08

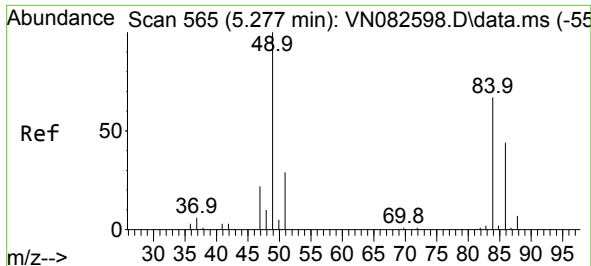
Tgt Ion: 43 Resp: 2211

Ion Ratio Lower Upper

43 100

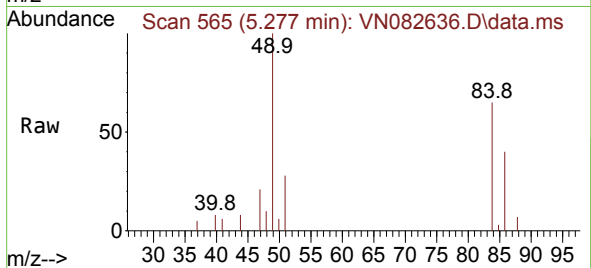
74 6.2 16.3 24.5#





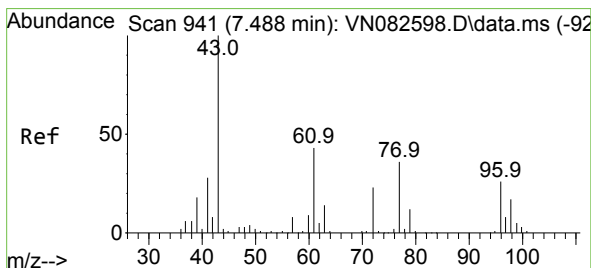
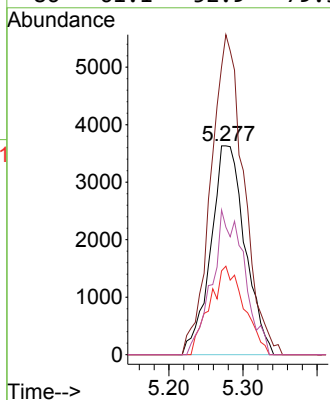
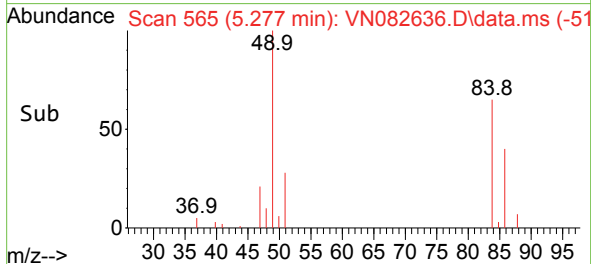
#20
Methylene Chloride
Concen: 6.875 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :

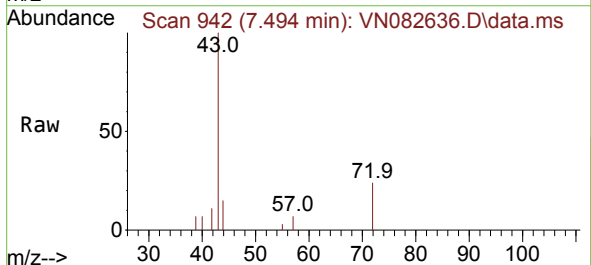


Tgt Ion: 84 Resp: 11657

Ion	Ratio	Lower	Upper
84	100		
49	153.2	119.6	179.4
51	42.3	34.8	52.2
86	61.1	52.9	79.3

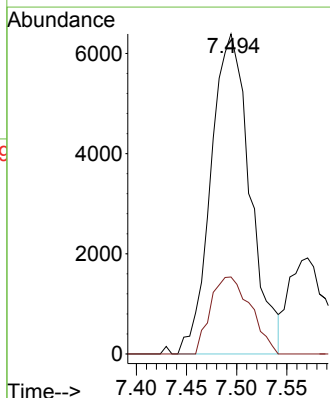
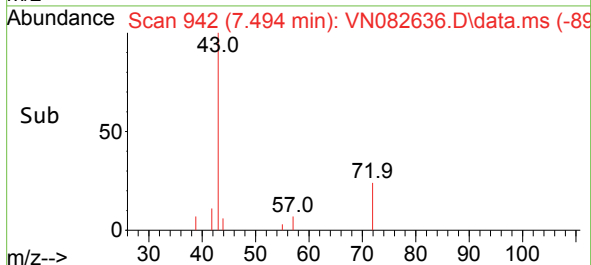


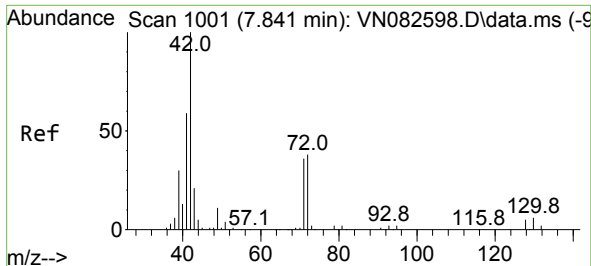
#25
2-Butanone
Concen: 12.658 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08



Tgt Ion: 43 Resp: 17352

Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.2	27.2





#29

Tetrahydrofuran

Concen: 2.289 ug/l

RT: 7.847 min Scan# 10

Delta R.T. 0.006 min

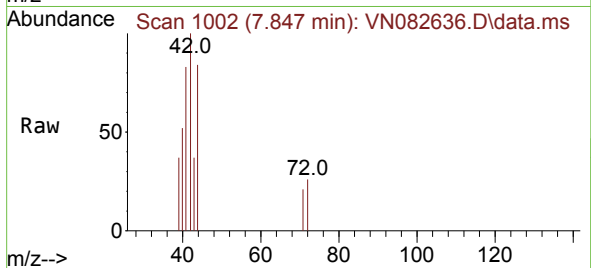
Lab File: VN082636.D

Acq: 19 Jun 2024 13:08

Instrument :

MSVOA_N

ClientSampleId :



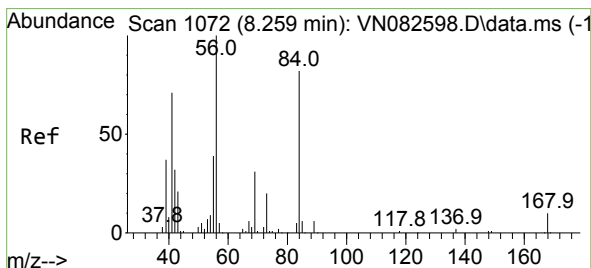
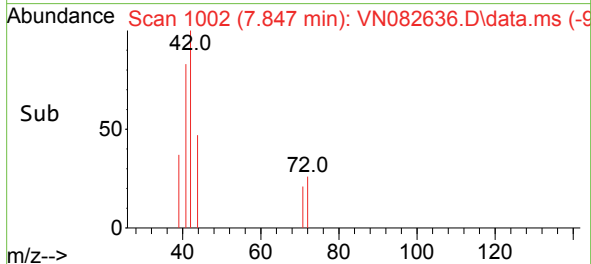
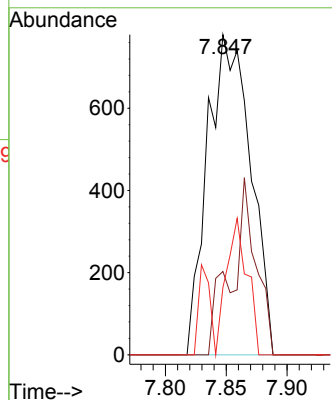
Tgt Ion: 42 Resp: 1921

Ion Ratio Lower Upper

42 100

72 31.9 30.0 45.0

71 20.7 28.3 42.5#



#31

Cyclohexane

Concen: 1.314 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN082636.D

Acq: 19 Jun 2024 13:08

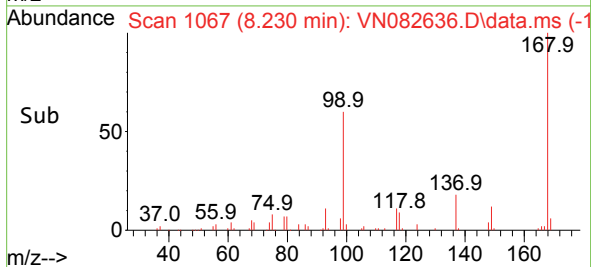
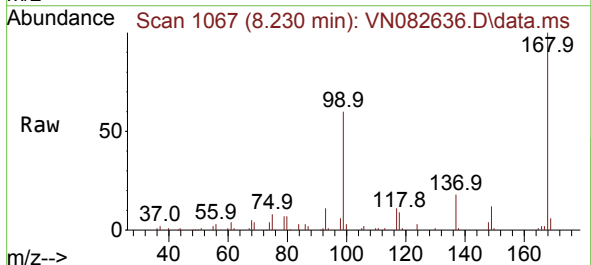
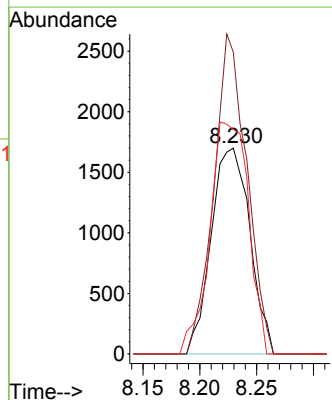
Tgt Ion: 56 Resp: 4021

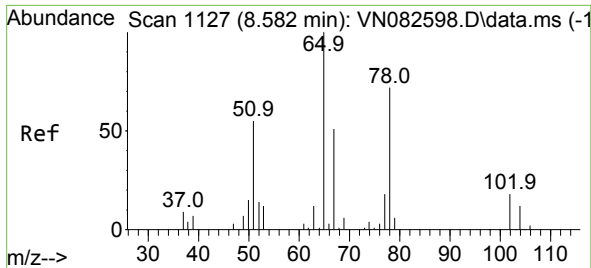
Ion Ratio Lower Upper

56 100

69 146.5 24.5 36.7#

84 109.1 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 57.288 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082636.D

Acq: 19 Jun 2024 13:08

Instrument :

MSVOA_N

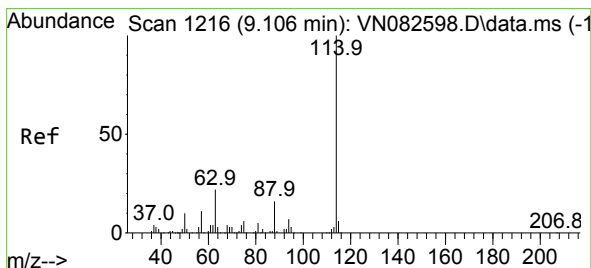
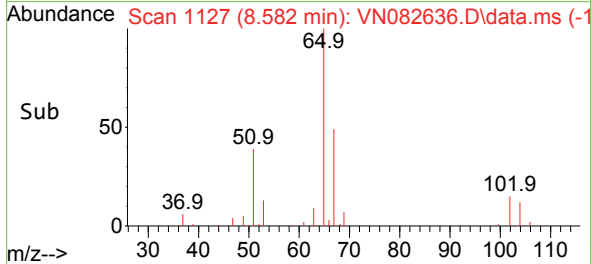
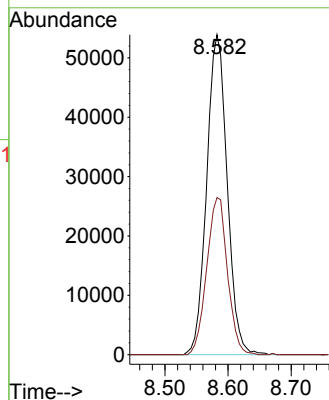
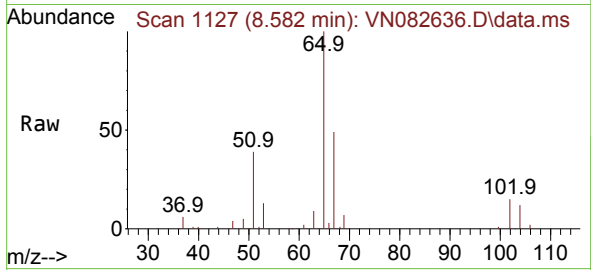
ClientSampleId :

Tgt Ion: 65 Resp: 121491

Ion Ratio Lower Upper

65 100

67 49.6 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN082636.D

Acq: 19 Jun 2024 13:08

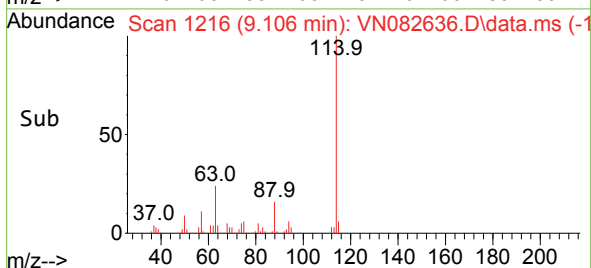
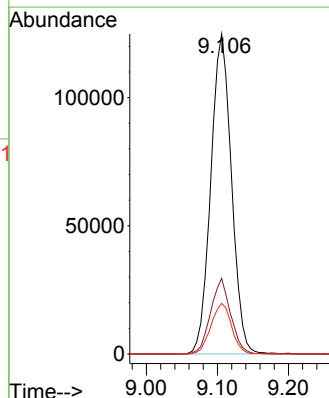
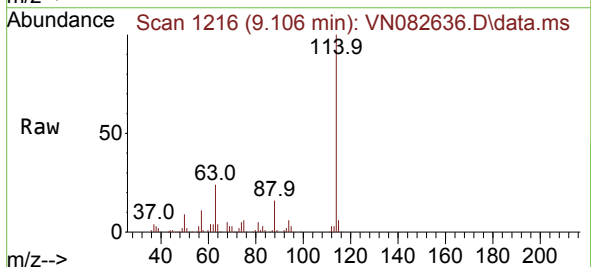
Tgt Ion: 114 Resp: 252073

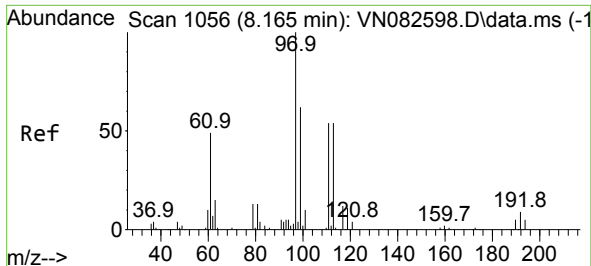
Ion Ratio Lower Upper

114 100

63 23.6 0.0 44.6

88 15.8 0.0 31.4

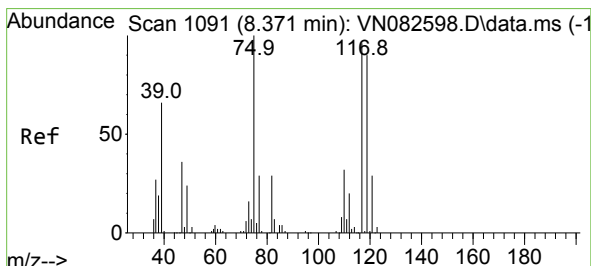
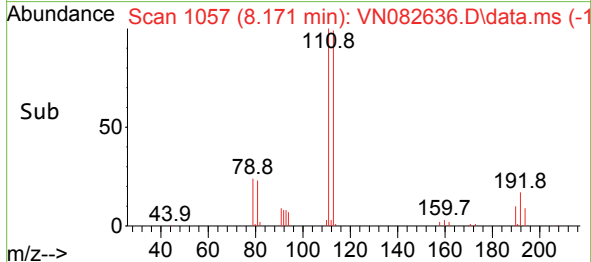
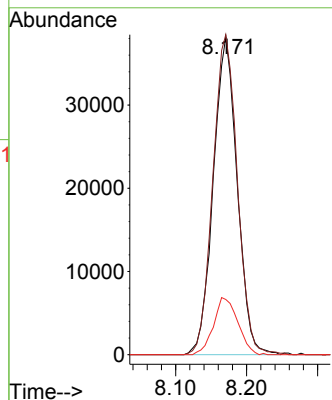
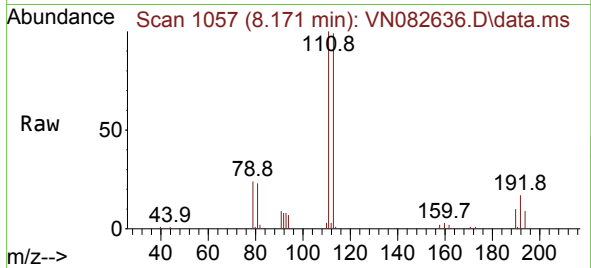




#35
 Dibromofluoromethane
 Concen: 51.970 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VN082636.D
 Acq: 19 Jun 2024 13:08

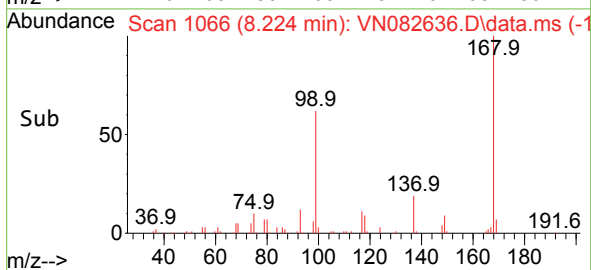
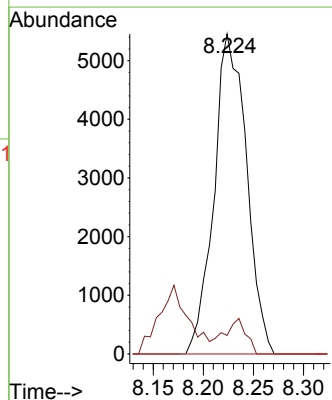
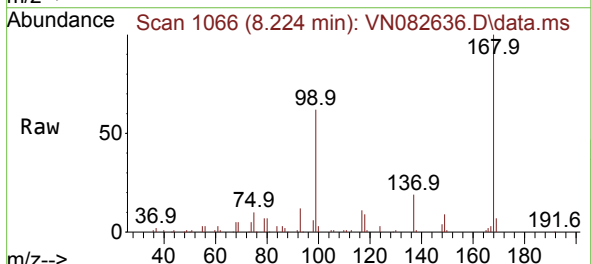
Instrument :
 MSVOA_N
 ClientSampleId :

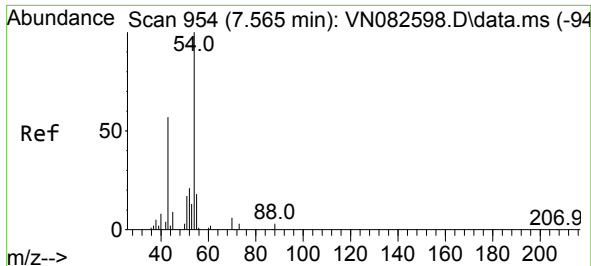
Tgt Ion:113 Resp: 88870
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.4 123.6
 192 18.3 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 4.804 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN082636.D
 Acq: 19 Jun 2024 13:08

Tgt Ion: 75 Resp: 12280
 Ion Ratio Lower Upper
 75 100
 110 6.9 16.3 48.9#
 77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.505 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

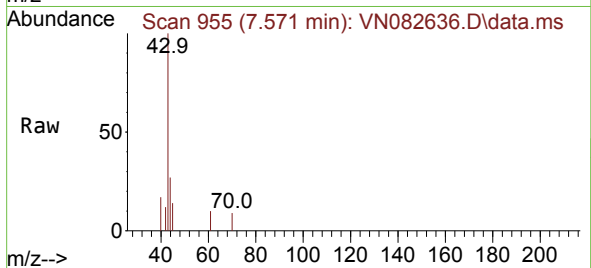
Lab File: VN082636.D

Acq: 19 Jun 2024 13:08

Instrument :

MSVOA_N

ClientSampleId :



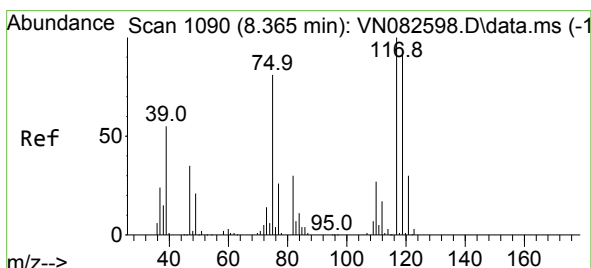
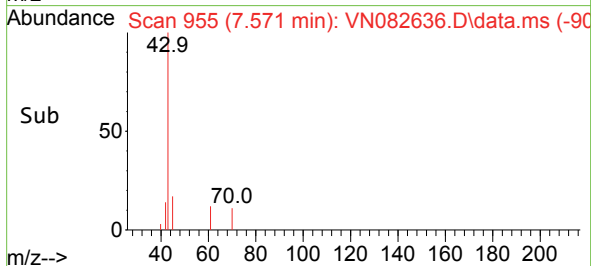
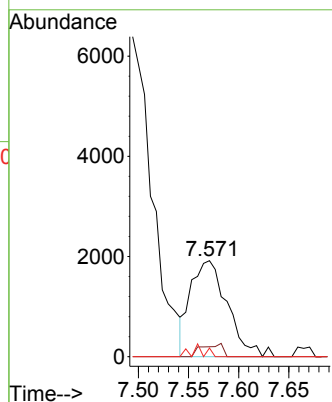
Tgt Ion: 43 Resp: 4901

Ion Ratio Lower Upper

43 100

61 7.6 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 4.943 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082636.D

Acq: 19 Jun 2024 13:08

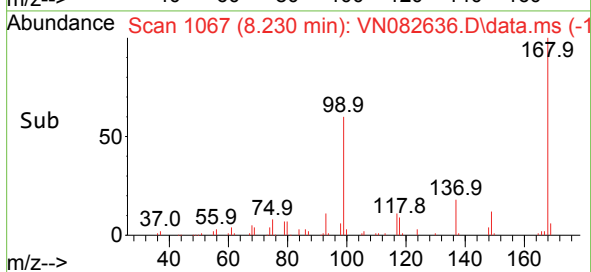
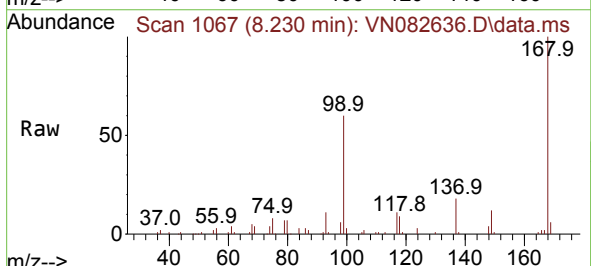
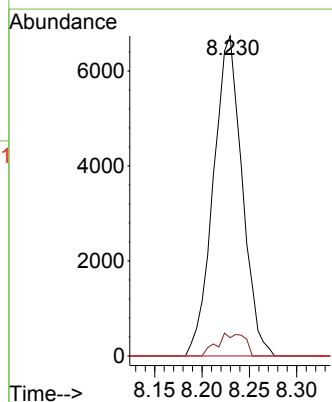
Tgt Ion: 117 Resp: 14240

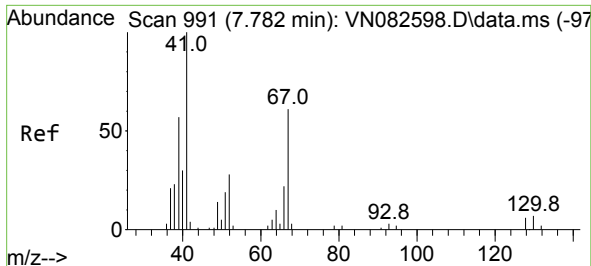
Ion Ratio Lower Upper

117 100

119 5.7 74.9 112.3#

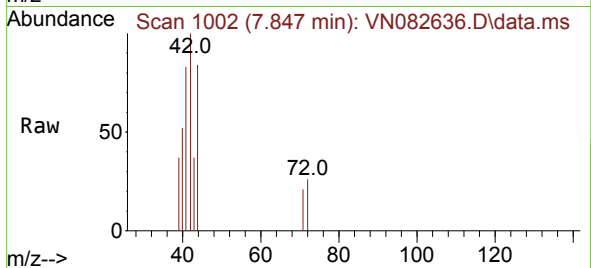
121 0.0 24.3 36.5#



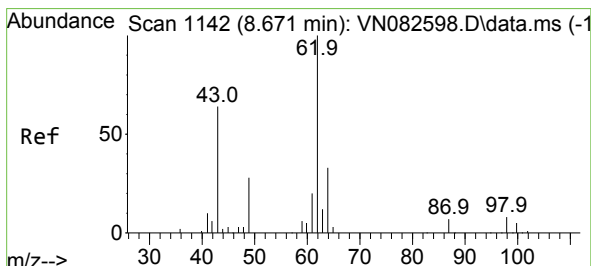
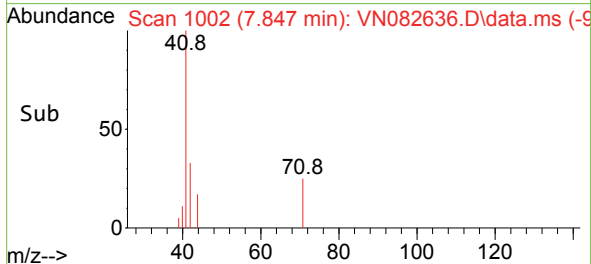
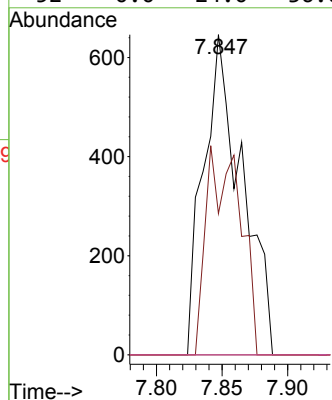


#41
Methacrylonitrile
Concen: 0.791 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.065 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :

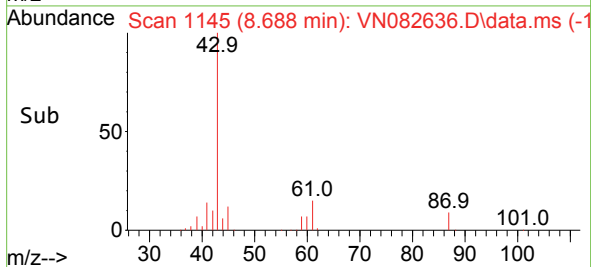
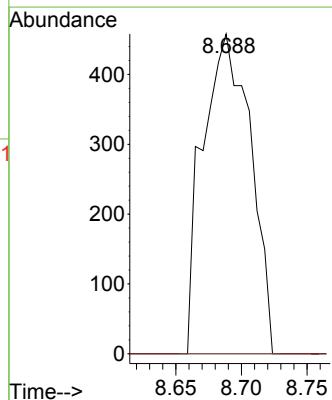
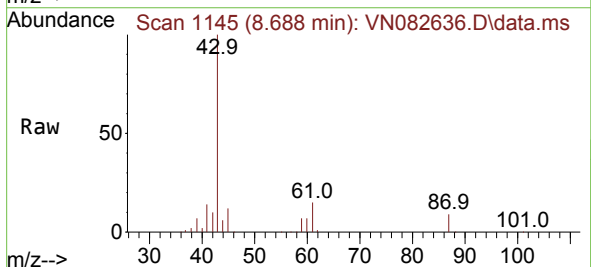


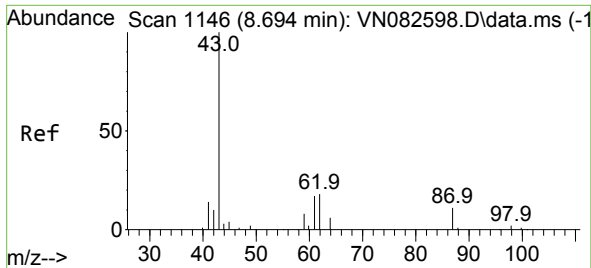
Tgt Ion: 41	Resp: 1316
Ion Ratio	Lower Upper
41 100	
39 57.9	45.5 68.3
67 0.0	50.5 75.7#
52 0.0	24.0 36.0#



#42
1,2-Dichloroethane
Concen: 0.386 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

Tgt Ion: 62	Resp: 1161
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 15.8

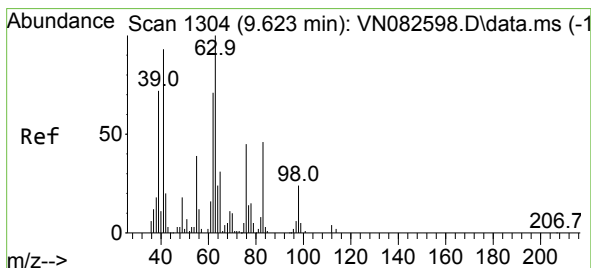
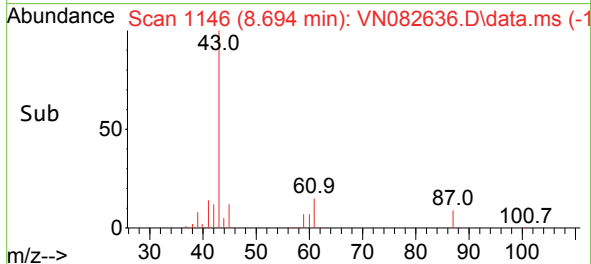
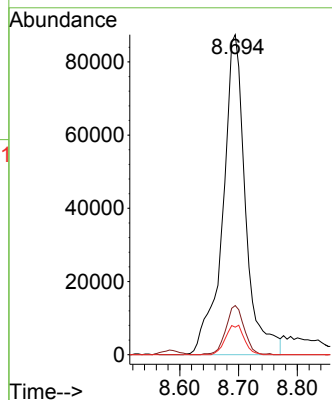
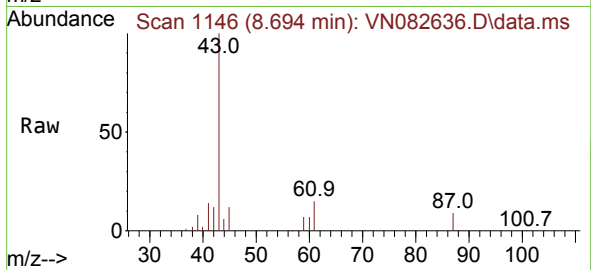




#43
Isopropyl Acetate
Concen: 38.493 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

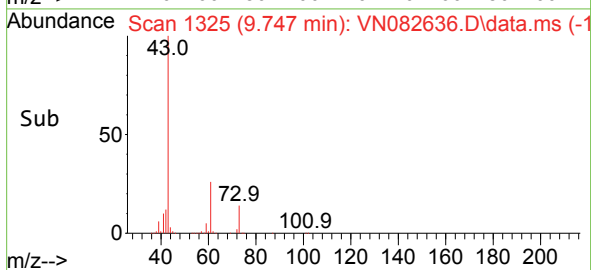
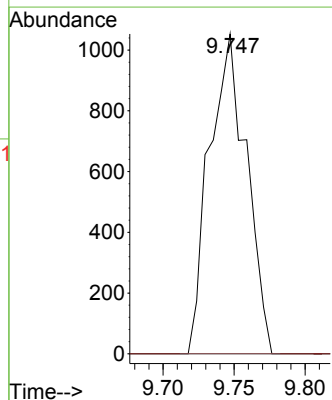
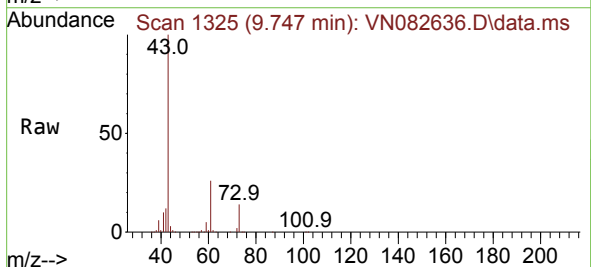
Instrument :
MSVOA_N
ClientSampleId :

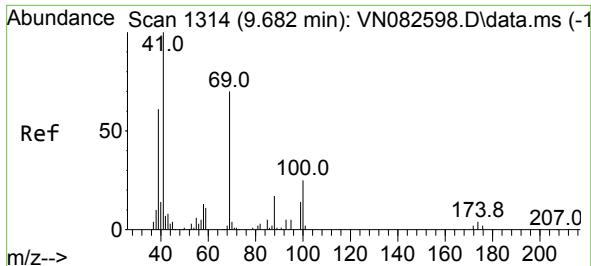
Tgt Ion: 43 Resp: 234248
Ion Ratio Lower Upper
43 100
61 12.4 17.8 26.6#
87 7.6 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.940 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

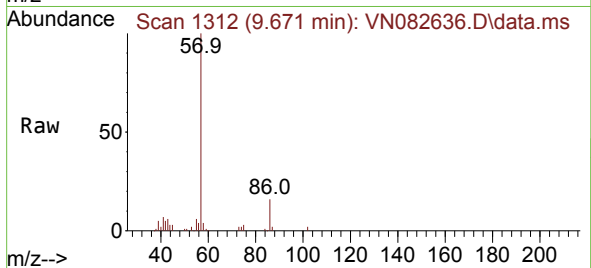
Tgt Ion: 63 Resp: 1912
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



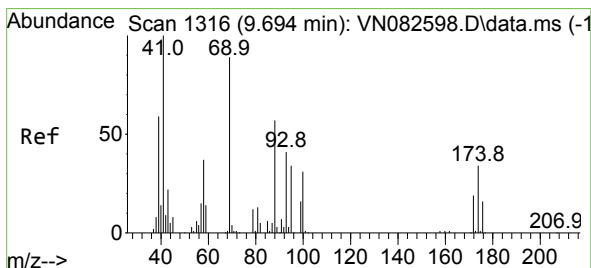
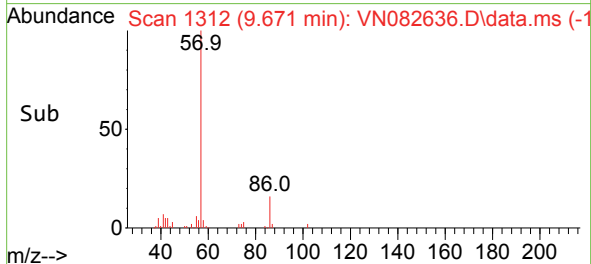
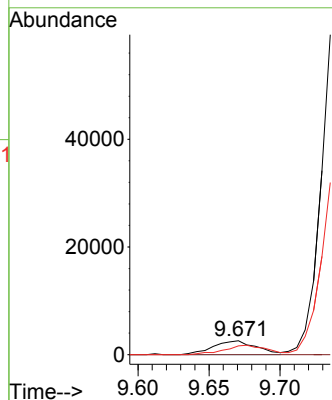


#48
Methyl methacrylate
Concen: 2.194 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.011 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :

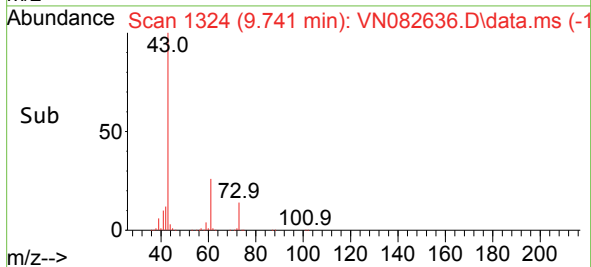
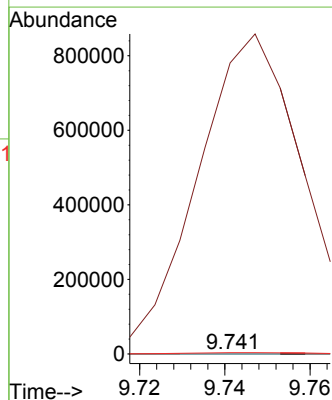
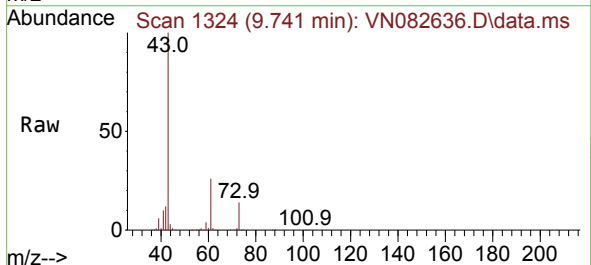


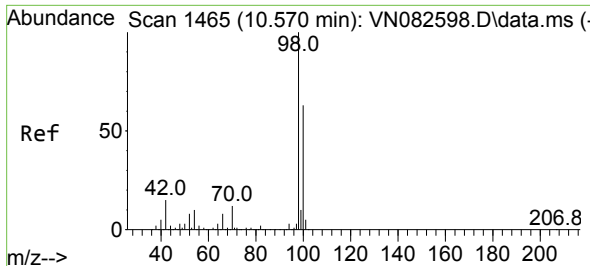
Tgt Ion: 41 Resp: 5504
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 65.0 50.3 75.5



#49
1,4-Dioxane
Concen: 1.504 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 2572527.1 27.8 41.8#
58 12266.1 59.4 89.0#

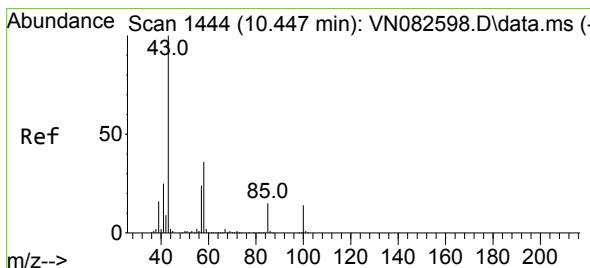
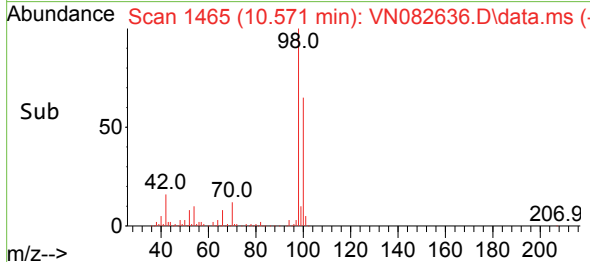
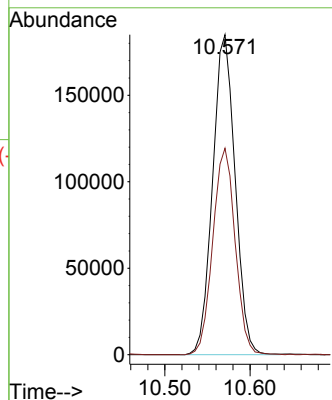
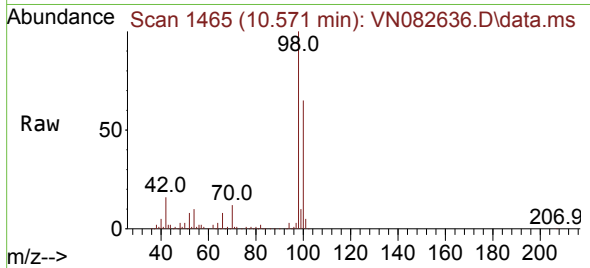




#50
Toluene-d8
Concen: 52.521 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

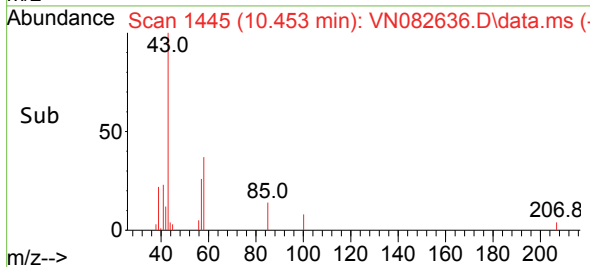
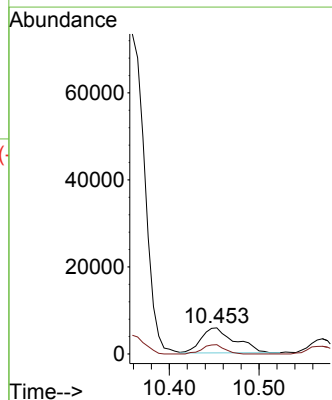
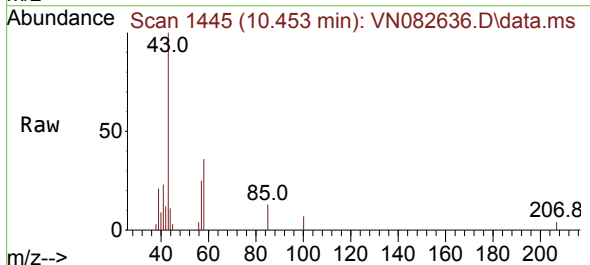
Instrument :
MSVOA_N
ClientSampleId :

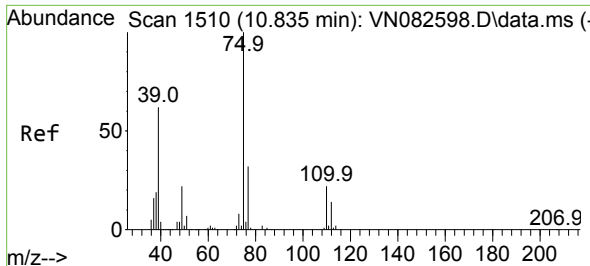
Tgt Ion: 98 Resp: 339638
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 4.768 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

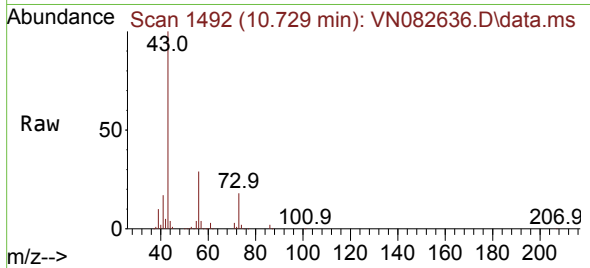
Tgt Ion: 43 Resp: 14883
Ion Ratio Lower Upper
43 100
58 24.7 28.2 42.4#



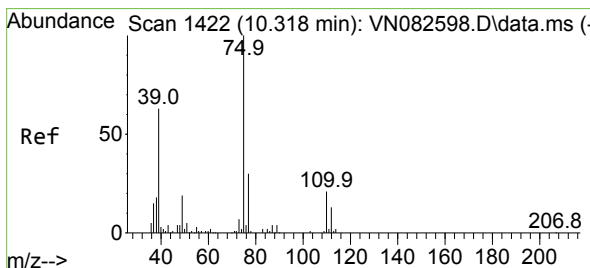
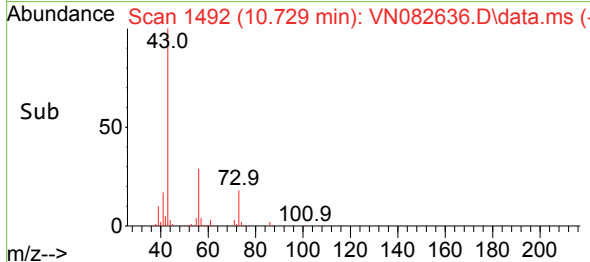
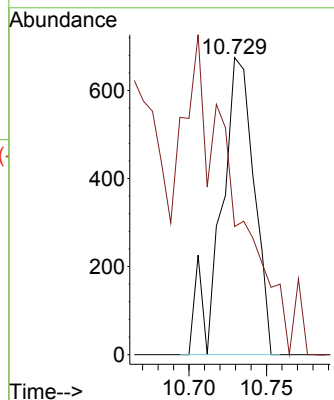


#53
t-1,3-Dichloropropene
Concen: 0.335 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :

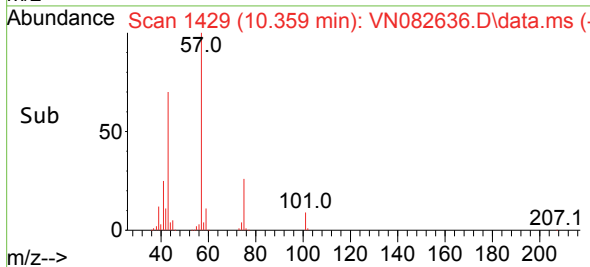
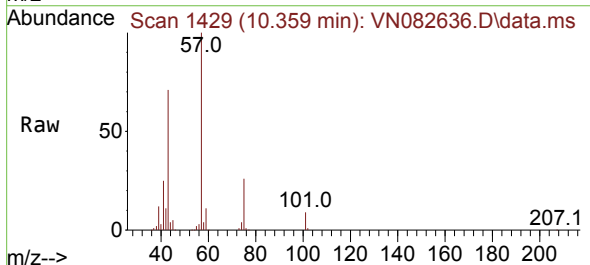
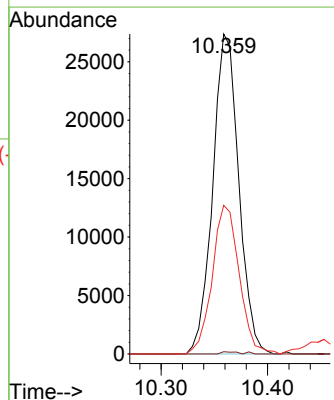


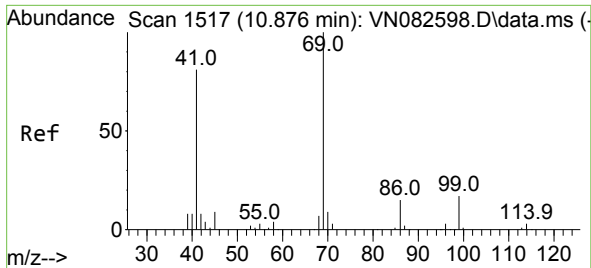
Tgt Ion: 75 Resp: 1005
Ion Ratio Lower Upper
75 100
77 19.4 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 14.952 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

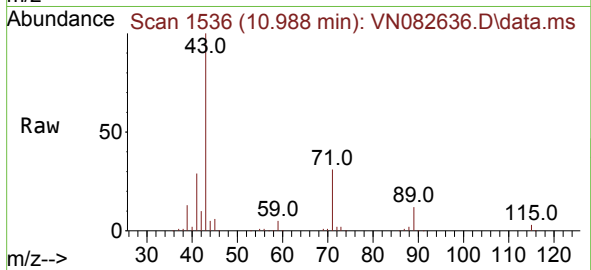
Tgt Ion: 75 Resp: 46443
Ion Ratio Lower Upper
75 100
77 0.7 24.3 36.5#
39 46.4 50.5 75.7#



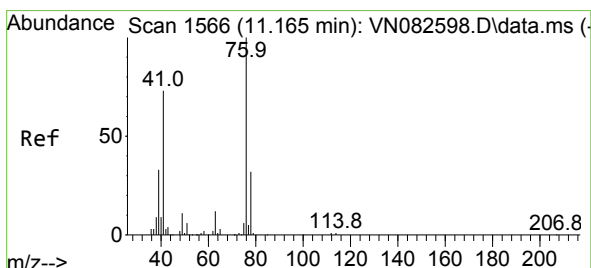
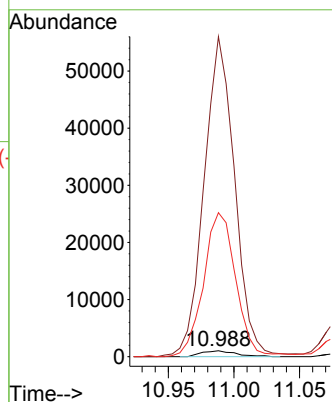
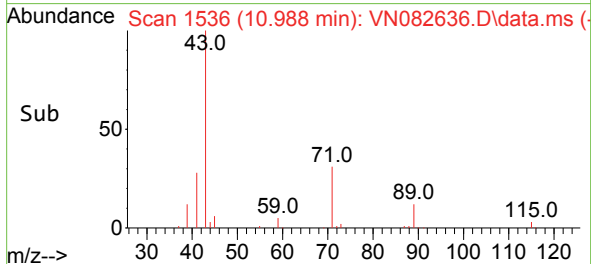


#56
Ethyl methacrylate
Concen: 0.663 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :

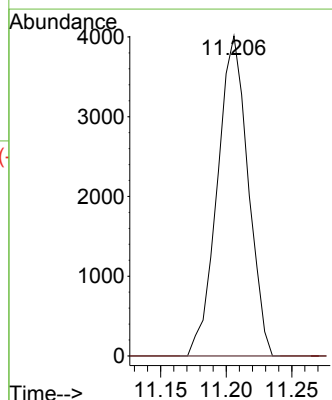
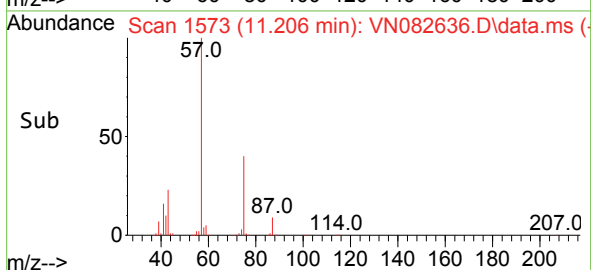
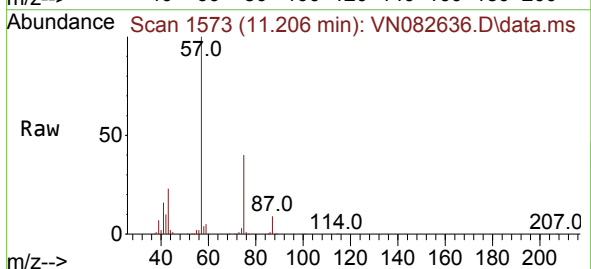


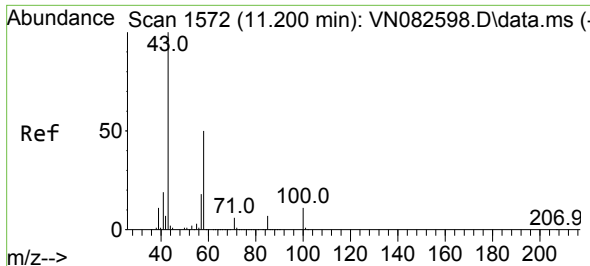
Tgt Ion: 69 Resp: 1902
Ion Ratio Lower Upper
69 100
41 4784.2 63.4 95.2#
39 2275.6 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 2.039 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

Tgt Ion: 76 Resp: 6532
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

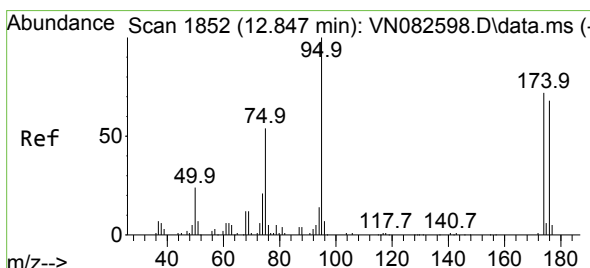
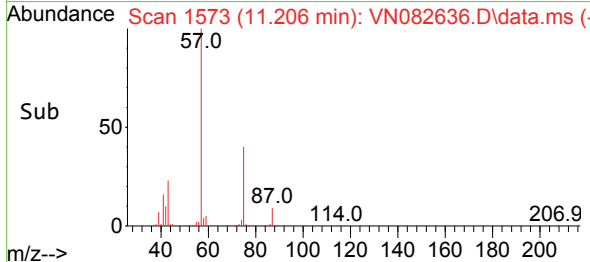
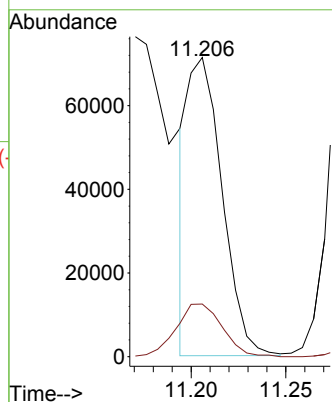
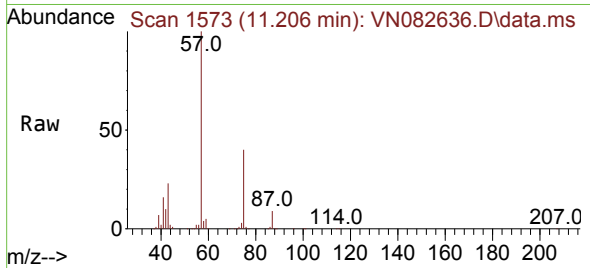




#59
2-Hexanone
Concen: 37.983 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

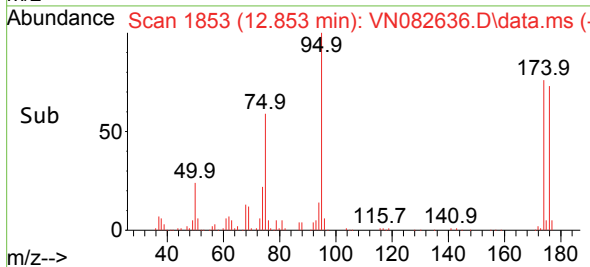
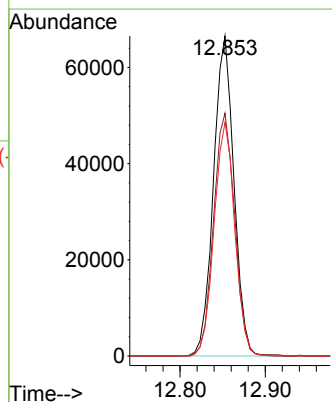
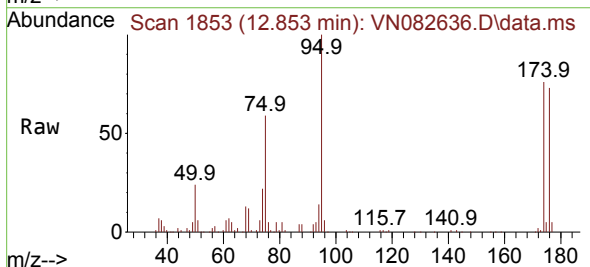
Instrument :
MSVOA_N
ClientSampleId :

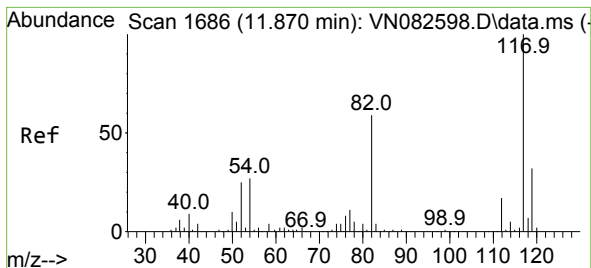
Tgt Ion: 43 Resp: 90109
Ion Ratio Lower Upper
43 100
58 23.9 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 49.690 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

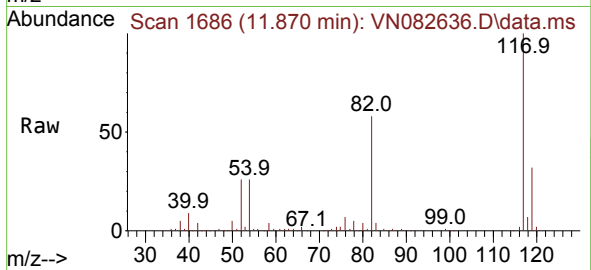
Tgt Ion: 95 Resp: 110784
Ion Ratio Lower Upper
95 100
174 78.8 0.0 159.2
176 73.9 0.0 147.6



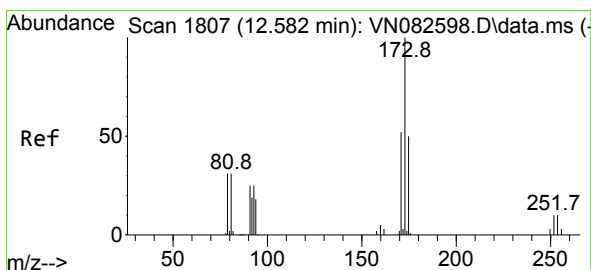
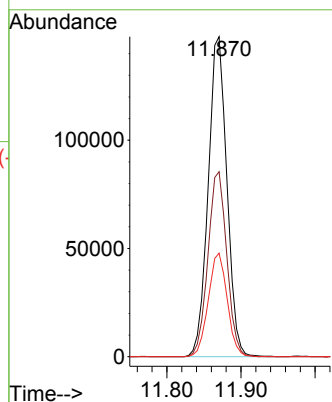
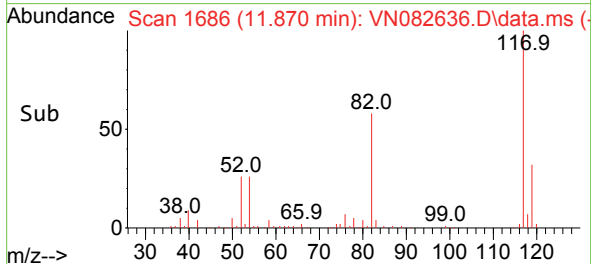


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :

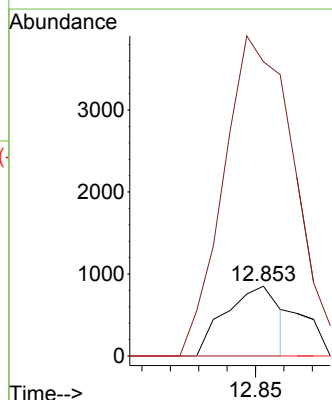
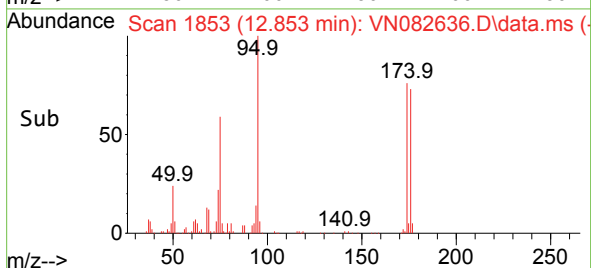
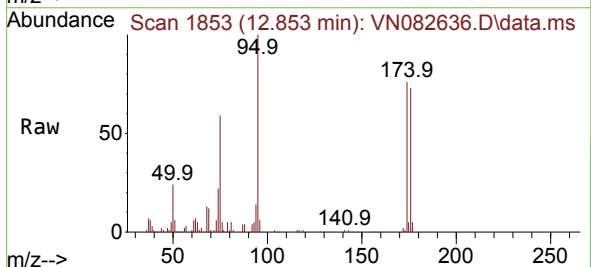


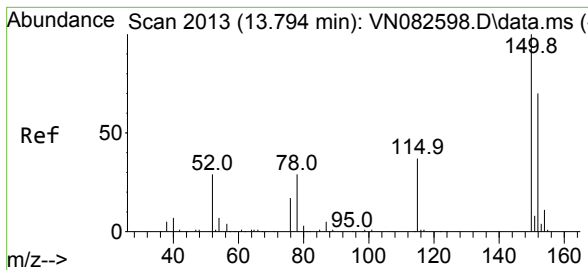
Tgt Ion:117 Resp: 259069
Ion Ratio Lower Upper
117 100
82 57.8 47.5 71.3
119 32.3 25.6 38.4



#71
Bromoform
Concen: 0.669 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

Tgt Ion:173 Resp: 1121
Ion Ratio Lower Upper
173 100
175 490.1 24.0 72.0#
254 0.0 0.0 0.0

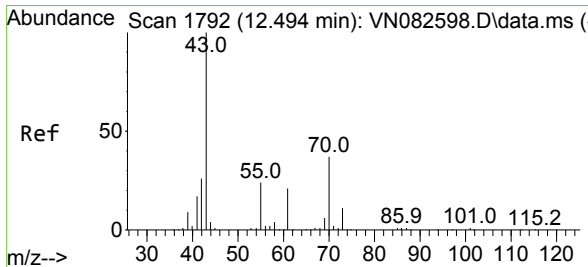
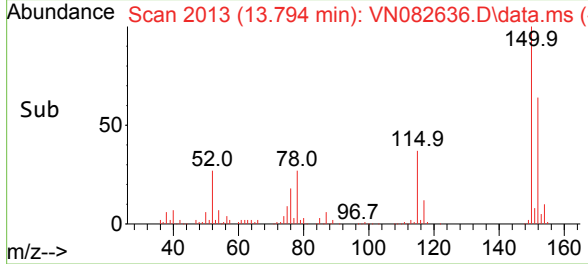
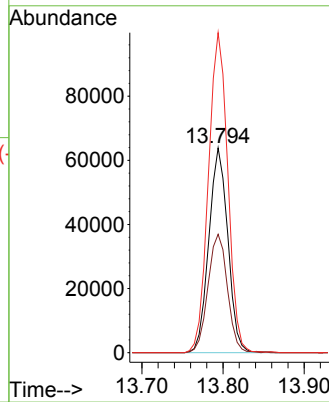
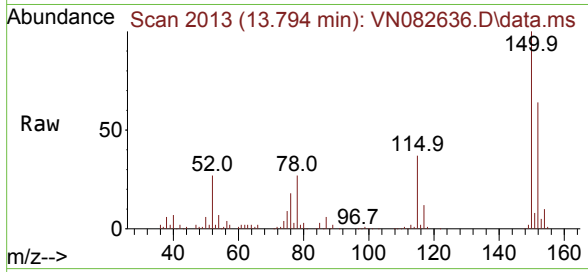




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN082636.D
 Acq: 19 Jun 2024 13:08

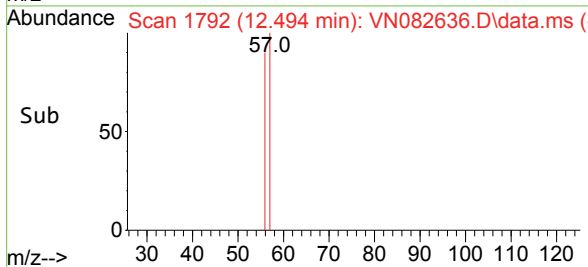
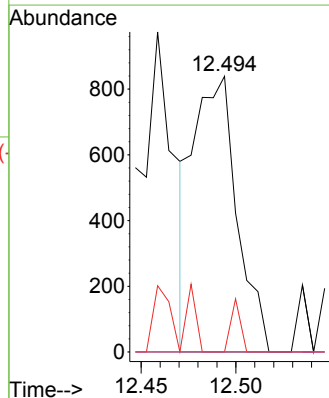
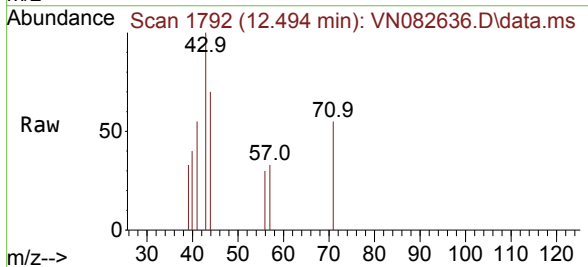
Instrument :
 MSVOA_N
 ClientSampleId :

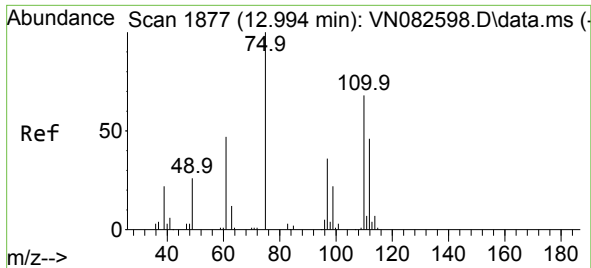
Tgt Ion:152 Resp: 103936
 Ion Ratio Lower Upper
 152 100
 115 59.2 30.6 91.6
 150 158.9 0.0 348.6



#74
 N-ethyl acetate
 Concen: 0.319 ug/l
 RT: 12.494 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VN082636.D
 Acq: 19 Jun 2024 13:08

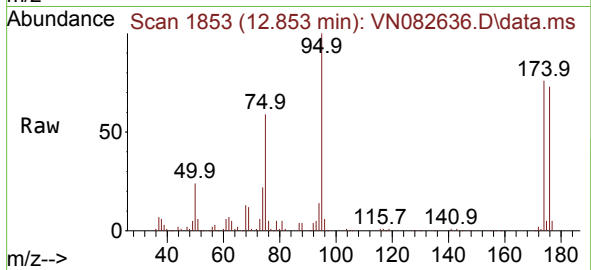
Tgt Ion: 43 Resp: 1345
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.8 44.6#
 55 0.0 18.7 28.1#
 61 0.0 17.4 26.0#



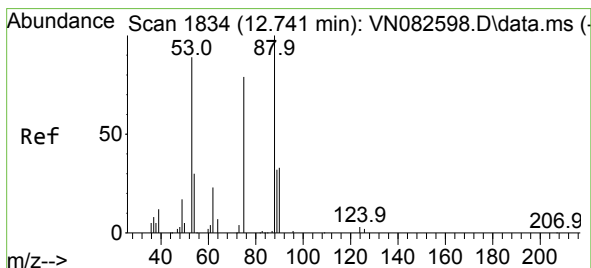
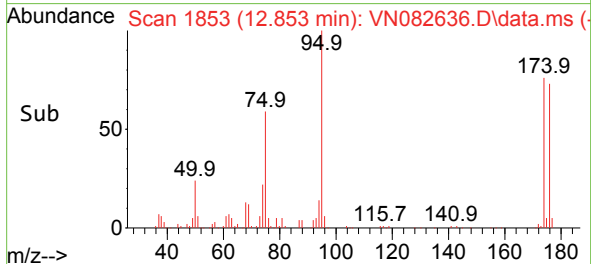
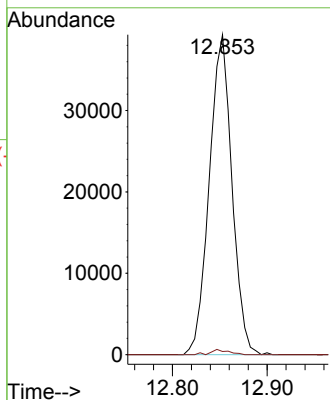


#76
1,2,3-Trichloropropane
Concen: 25.726 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 65399
Ion Ratio Lower Upper
75 100
77 1.3 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.548 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082636.D
Acq: 19 Jun 2024 13:08

Tgt Ion: 75 Resp: 65399
Ion Ratio Lower Upper
75 100
53 0.2 88.4 132.6#
89 0.0 36.3 54.5#

