

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082723.D
 Acq On : 25 Jun 2024 17:24
 Operator : JC\MD
 Sample : P3021-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 01:25:52 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)

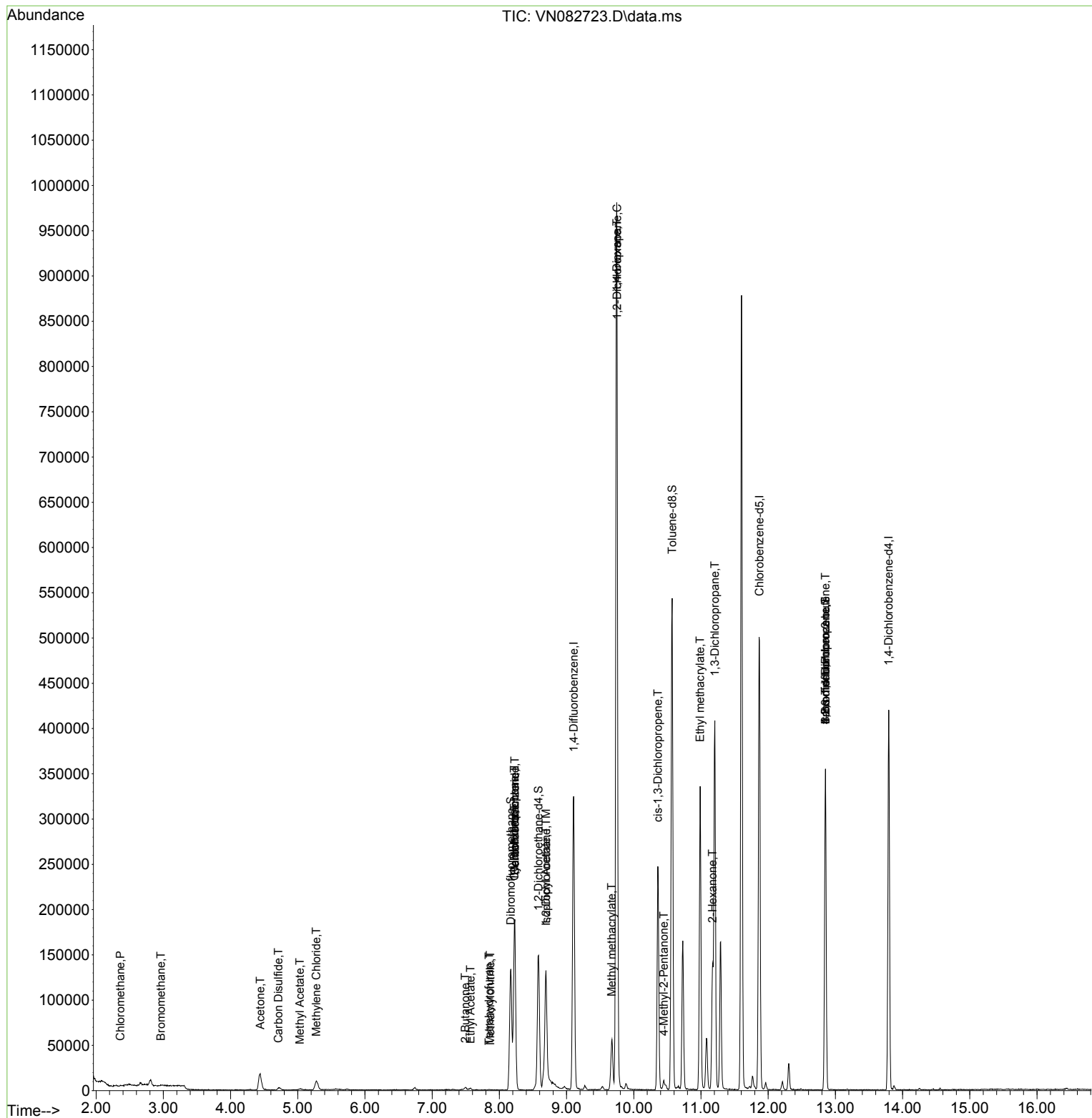
Internal Standards						
1) Pentafluorobenzene	8.230	168	131764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	255522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	270285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	105677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	124107	58.735	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.460%	
35) Dibromofluoromethane	8.171	113	93737	54.076	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.160%	
50) Toluene-d8	10.571	98	350452	53.461	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.920%	
62) 4-Bromofluorobenzene	12.853	95	106658	47.194	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 94.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	445	0.202	ug/l #	49
5) Bromomethane	2.965	94	277	0.205	ug/l #	73
16) Acetone	4.442	43	36240	37.712	ug/l	95
17) Carbon Disulfide	4.712	76	1720	0.369	ug/l #	62
18) Methyl Acetate	5.030	43	3143	1.337	ug/l #	62
20) Methylene Chloride	5.277	84	7651	4.529	ug/l #	78
25) 2-Butanone	7.494	43	5635	4.125	ug/l #	78
29) Tetrahydrofuran	7.847	42	489	0.585	ug/l #	49
31) Cyclohexane	8.224	56	3940	1.292	ug/l #	44
36) 1,1-Dichloropropene	8.224	75	12024	4.640	ug/l #	48
37) Ethyl Acetate	7.571	43	3353	1.016	ug/l #	85
38) Carbon Tetrachloride	8.230	117	14237	4.875	ug/l #	17
41) Methacrylonitrile	7.865	41	362	0.215	ug/l #	25
42) 1,2-Dichloroethane	8.694	62	683	0.224	ug/l #	78
43) Isopropyl Acetate	8.694	43	167640	27.176	ug/l #	85
45) 1,2-Dichloropropane	9.753	63	1094	0.531	ug/l #	44
48) Methyl methacrylate	9.671	41	4312	1.696	ug/l #	53
49) 1,4-Dioxane	9.747	88	56	1.408	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	11244	3.554	ug/l #	70
54) cis-1,3-Dichloropropene	10.359	75	36174	11.489	ug/l #	68
56) Ethyl methacrylate	10.988	69	1965	0.676	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3803	1.171	ug/l #	43
59) 2-Hexanone	11.171	43	116536	48.460	ug/l #	28
71) Bromoform	12.853	173	1447	0.828	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	63334	24.503	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	63334	58.623	ug/l #	6

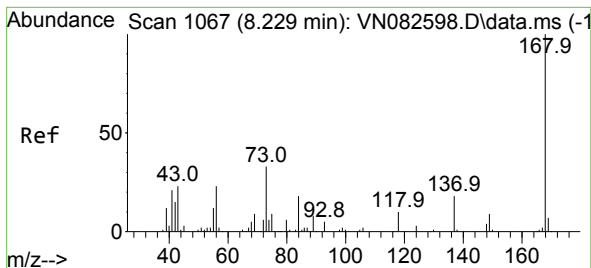
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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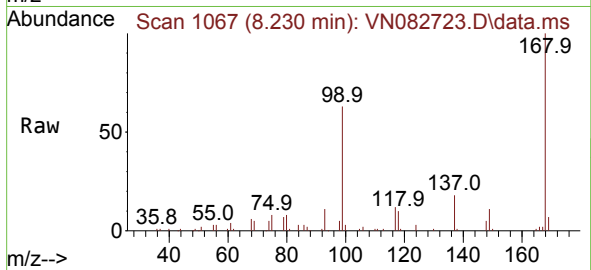
Quant Time: Jun 26 01:25:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
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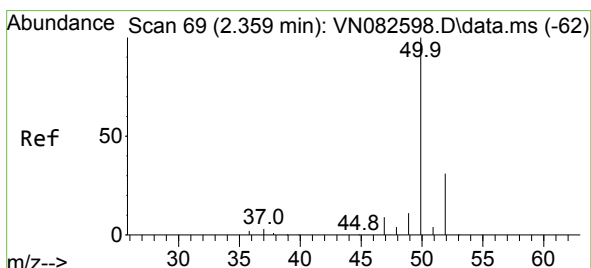
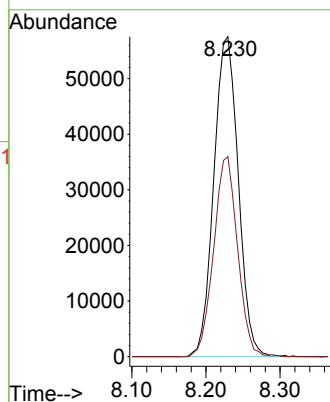
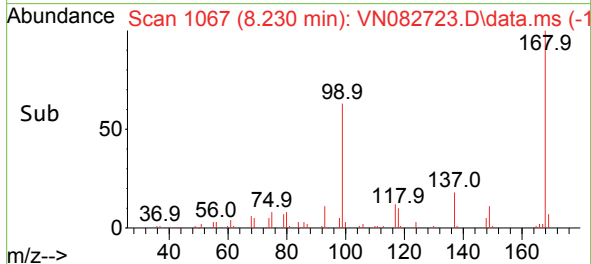


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

Instrument :
MSVOA_N
ClientSampleId :

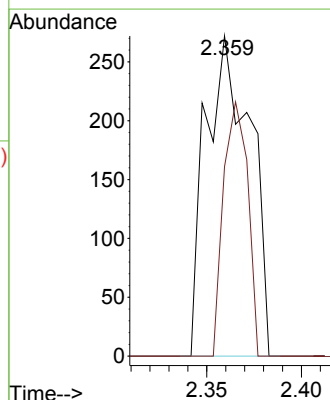
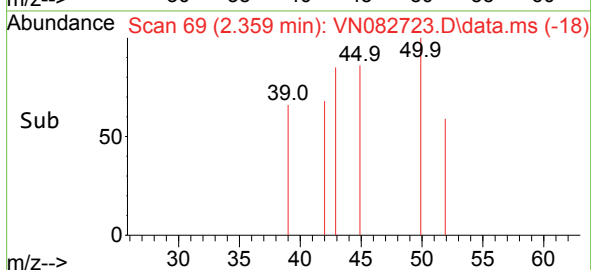
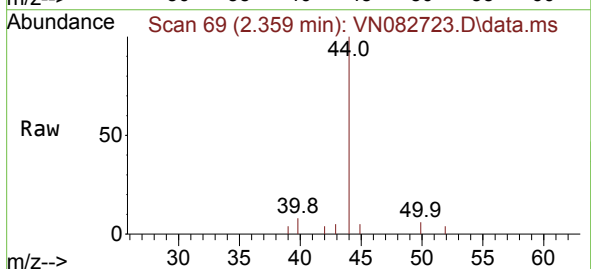


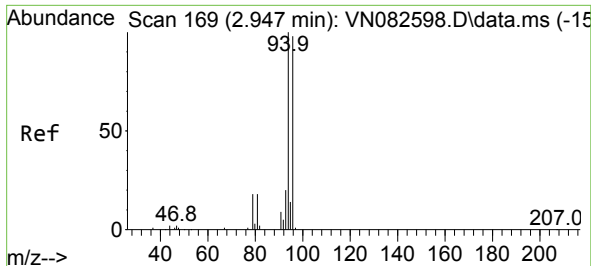
Tgt Ion:168 Resp: 131764
Ion Ratio Lower Upper
168 100
99 62.5 48.2 72.4



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

Tgt Ion: 50 Resp: 445
Ion Ratio Lower Upper
50 100
52 59.2 25.0 37.4#

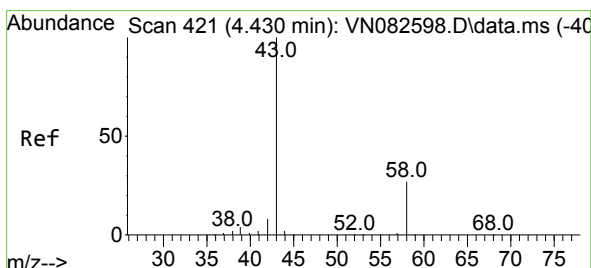
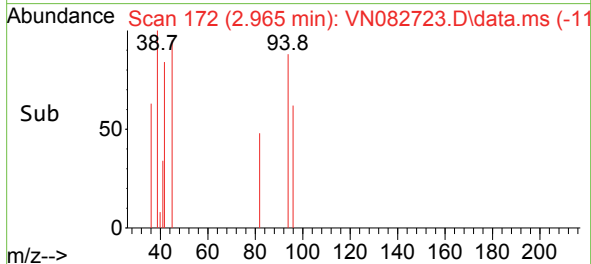
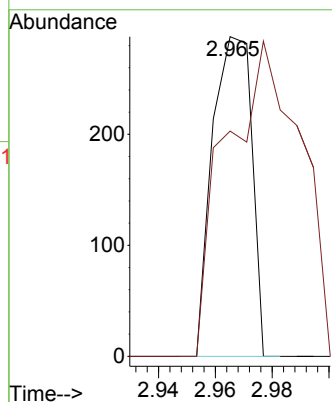
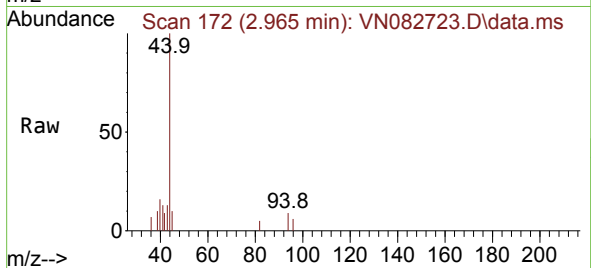




#5
Bromomethane
Concen: 0.205 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

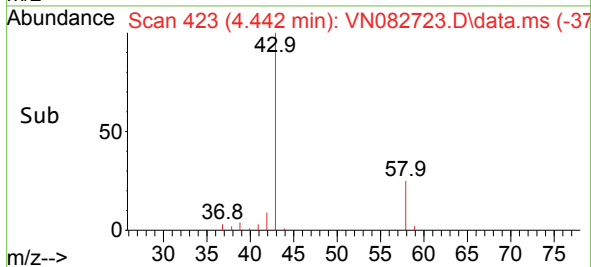
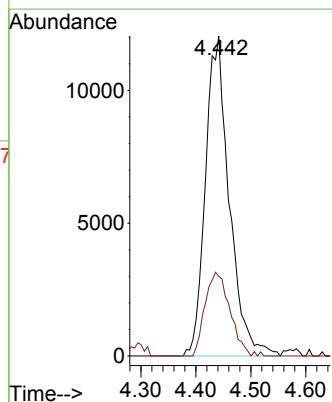
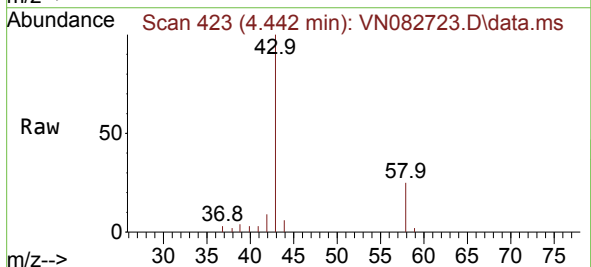
Instrument :
MSVOA_N
ClientSampleId :

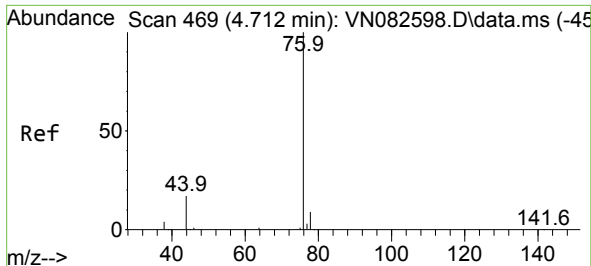
Tgt Ion: 94 Resp: 277
Ion Ratio Lower Upper
94 100
96 70.5 78.0 117.0#



#16
Acetone
Concen: 37.712 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

Tgt Ion: 43 Resp: 36240
Ion Ratio Lower Upper
43 100
58 24.9 21.8 32.6

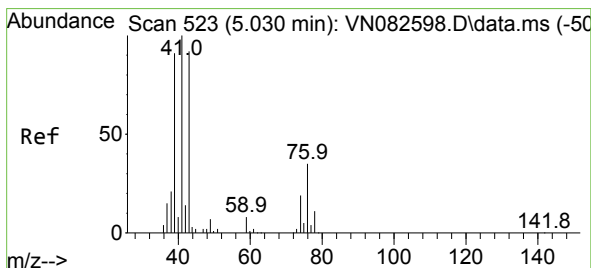
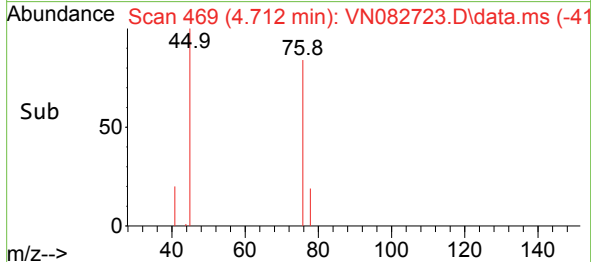
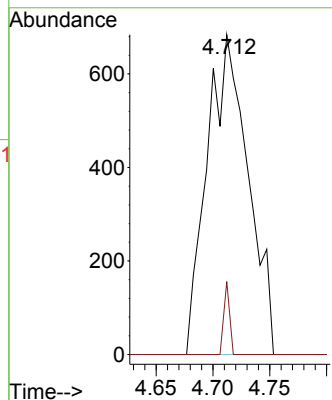
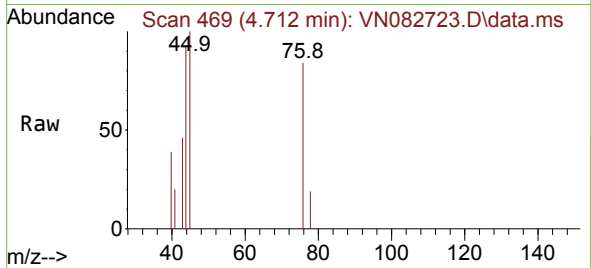




#17
Carbon Disulfide
Concen: 0.369 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

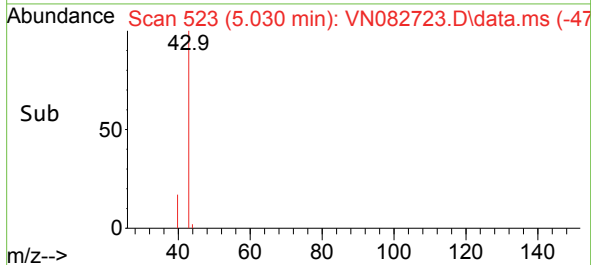
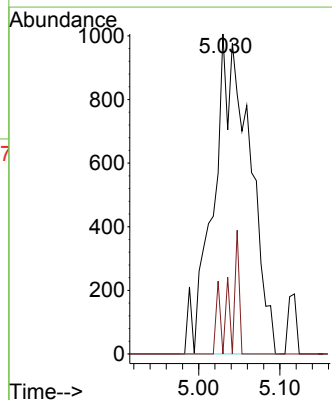
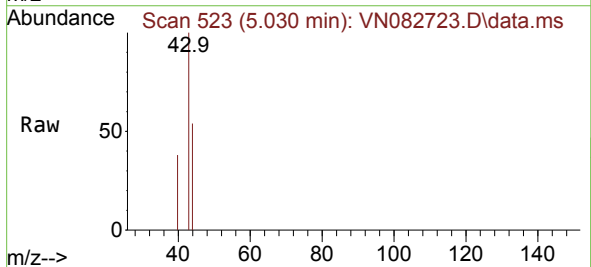
Instrument :
MSVOA_N
ClientSampleId :

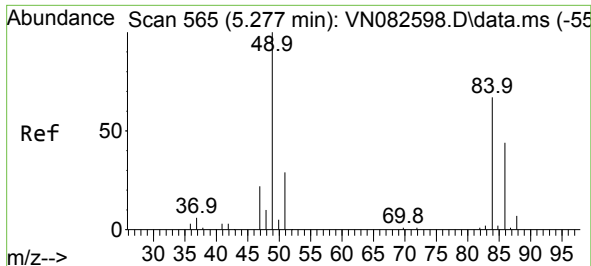
Tgt Ion: 76 Resp: 1720
Ion Ratio Lower Upper
76 100
78 22.8 7.2 10.8#



#18
Methyl Acetate
Concen: 1.337 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

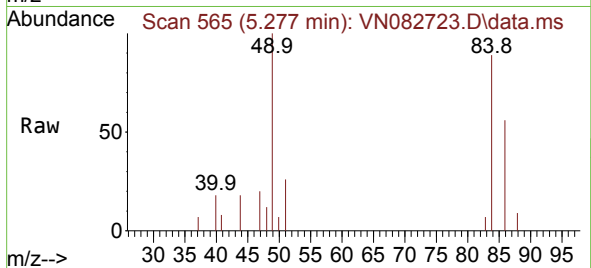
Tgt Ion: 43 Resp: 3143
Ion Ratio Lower Upper
43 100
74 2.6 16.3 24.5#



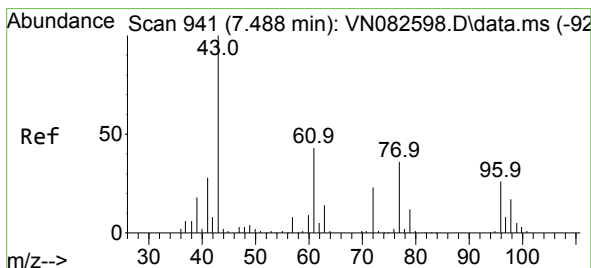
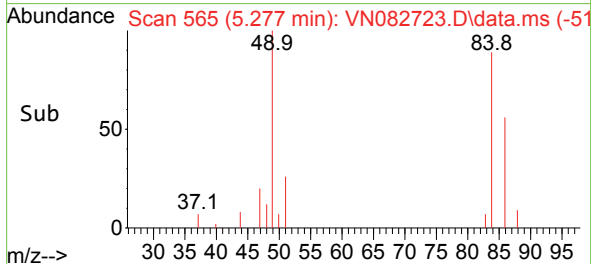
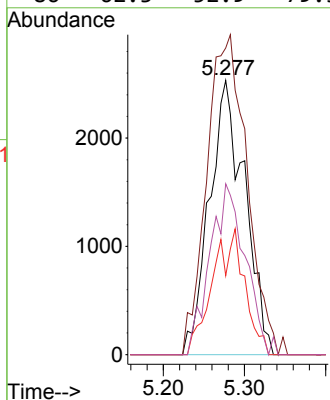


#20
Methylene Chloride
Concen: 4.529 ug/l
RT: 5.277 min Scan# 50
Delta R.T. 0.000 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

Instrument :
MSVOA_N
ClientSampleId :

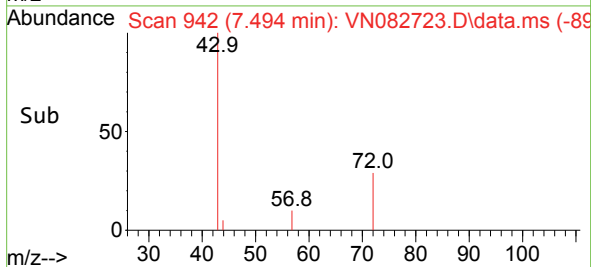
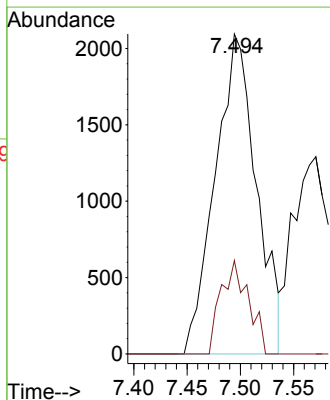
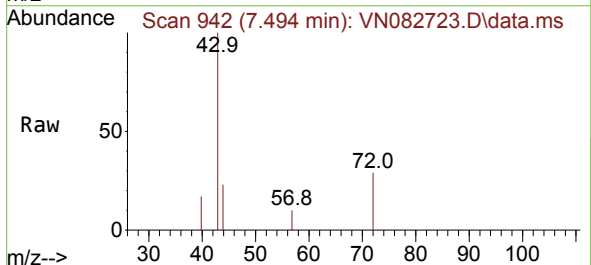


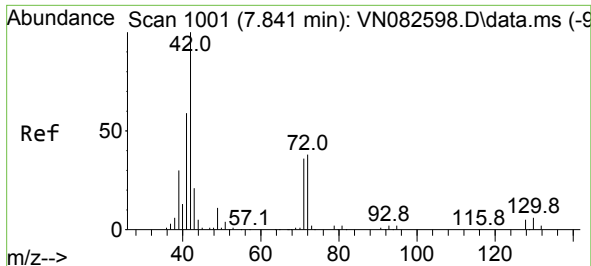
Tgt Ion: 84 Resp: 7651
Ion Ratio Lower Upper
84 100
49 111.8 119.6 179.4#
51 28.8 34.8 52.2#
86 62.3 52.9 79.3



#25
2-Butanone
Concen: 4.125 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

Tgt Ion: 43 Resp: 5635
Ion Ratio Lower Upper
43 100
72 33.2 18.2 27.2#





#29

Tetrahydrofuran

Concen: 0.585 ug/l

RT: 7.847 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN082723.D

Acq: 25 Jun 2024 17:24

Instrument :

MSVOA_N

ClientSampleId :

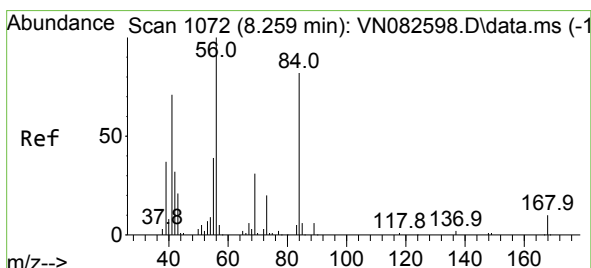
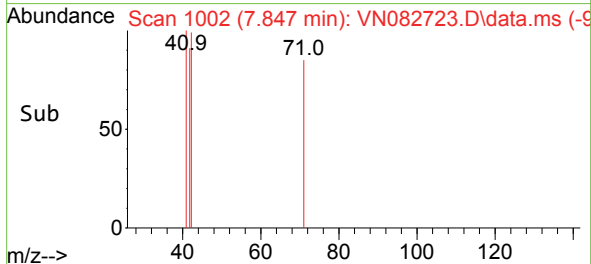
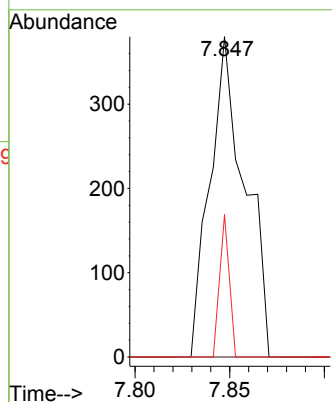
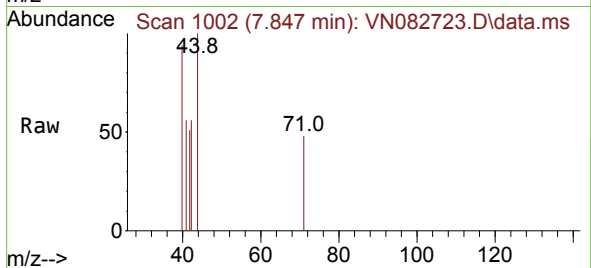
Tgt Ion: 42 Resp: 489

Ion Ratio Lower Upper

42 100

72 0.0 30.0 45.0#

71 12.3 28.3 42.5#



#31

Cyclohexane

Concen: 1.292 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082723.D

Acq: 25 Jun 2024 17:24

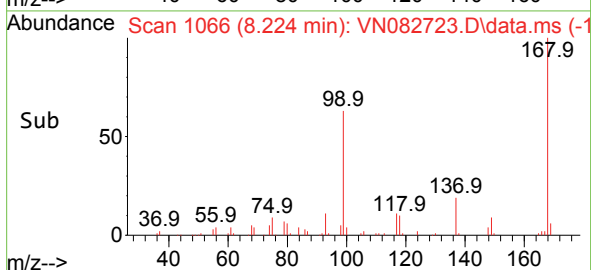
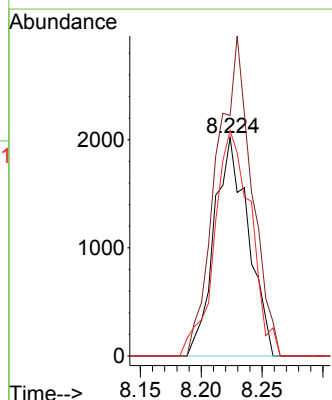
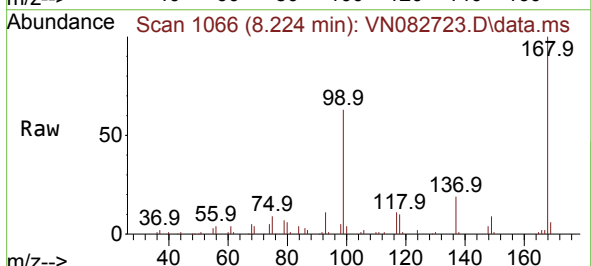
Tgt Ion: 56 Resp: 3940

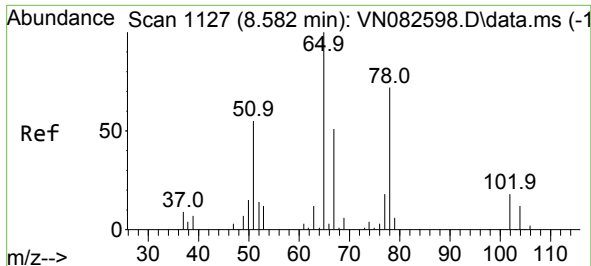
Ion Ratio Lower Upper

56 100

69 110.1 24.5 36.7#

84 103.3 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 58.735 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082723.D

Acq: 25 Jun 2024 17:24

Instrument :

MSVOA_N

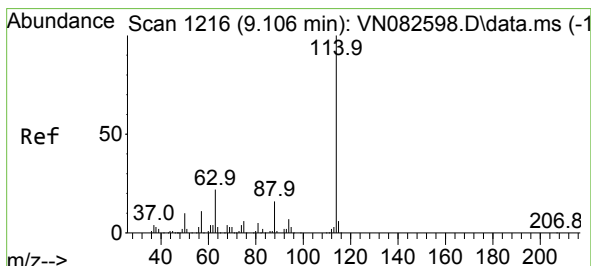
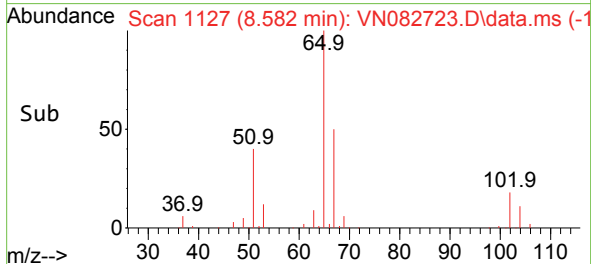
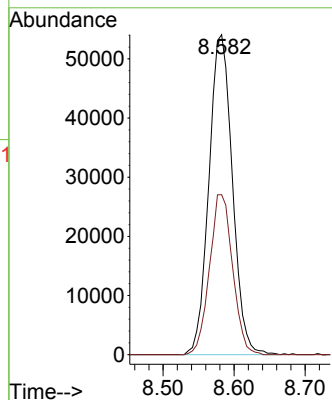
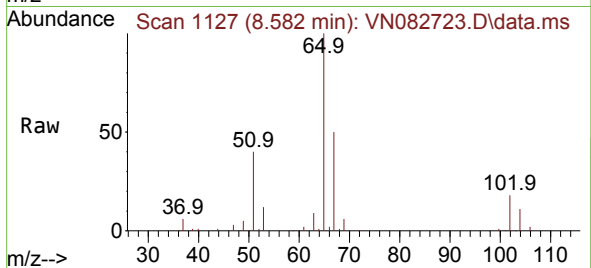
ClientSampleId :

Tgt Ion: 65 Resp: 124107

Ion Ratio Lower Upper

65 100

67 49.3 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: VN082723.D

Acq: 25 Jun 2024 17:24

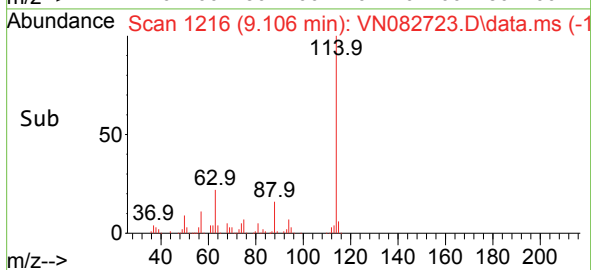
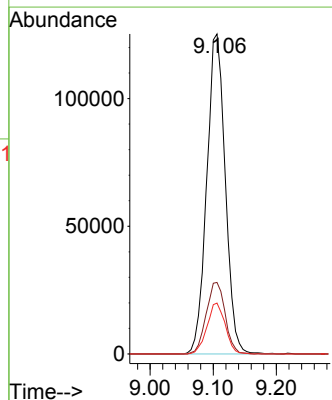
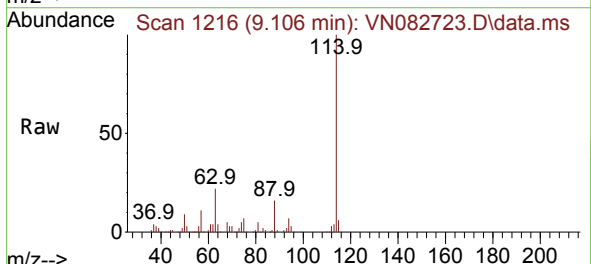
Tgt Ion: 114 Resp: 255522

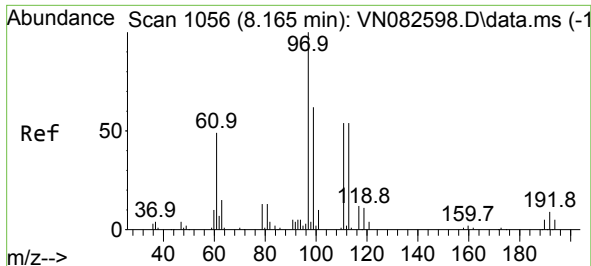
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.6

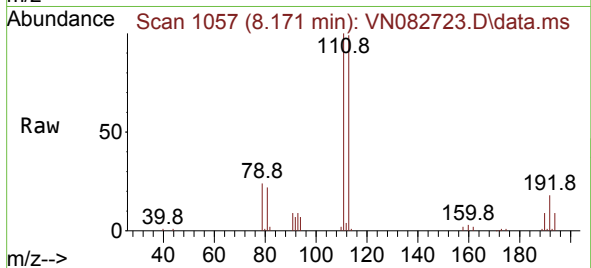
88 15.9 0.0 31.4



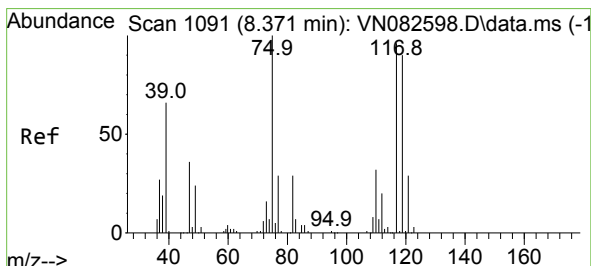
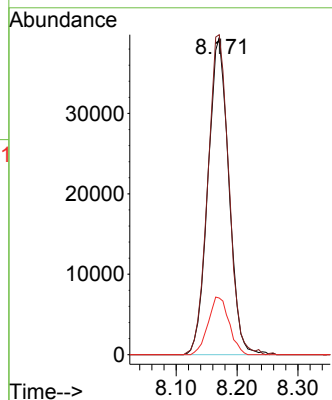
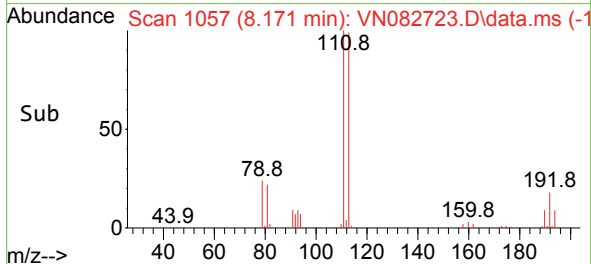


#35
Dibromofluoromethane
Concen: 54.076 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

Instrument :
MSVOA_N
ClientSampleId :

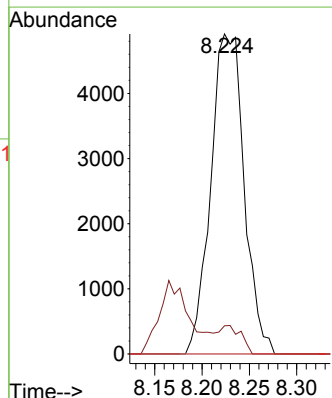
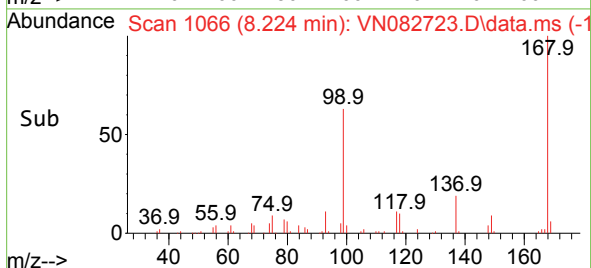
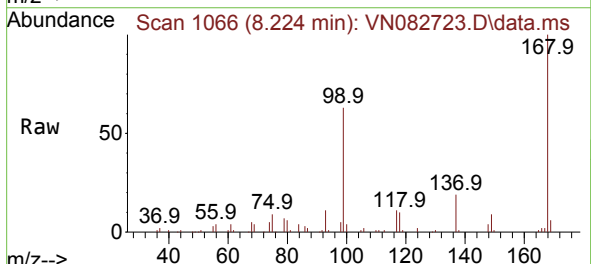


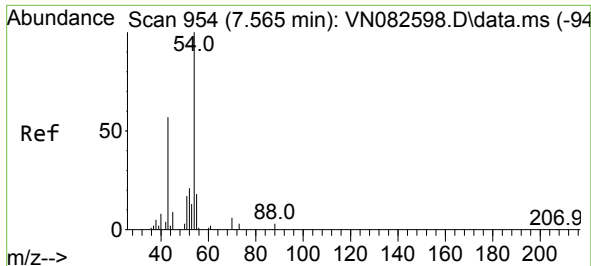
Tgt Ion:113 Resp: 93737
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 18.3 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.640 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

Tgt Ion: 75 Resp: 12024
Ion Ratio Lower Upper
75 100
110 5.9 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.016 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

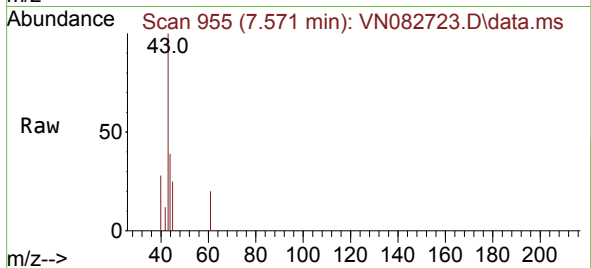
Lab File: VN082723.D

Acq: 25 Jun 2024 17:24

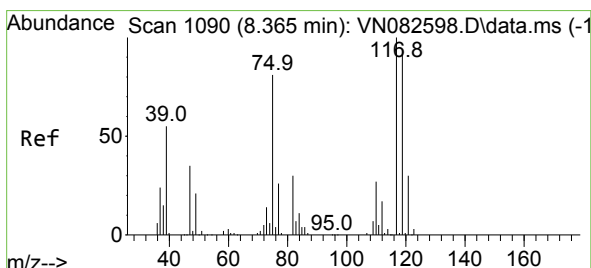
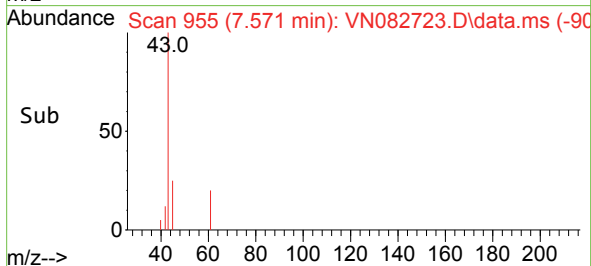
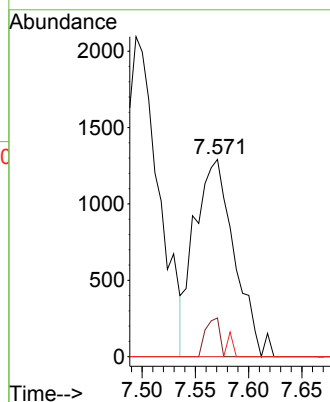
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3353
Ion	Ratio	Lower	Upper
43	100		
61	7.0	9.3	13.9#
70	1.7	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 4.875 ug/l

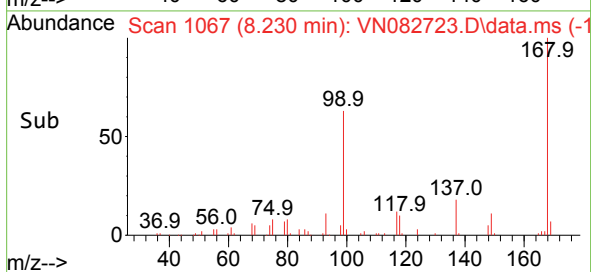
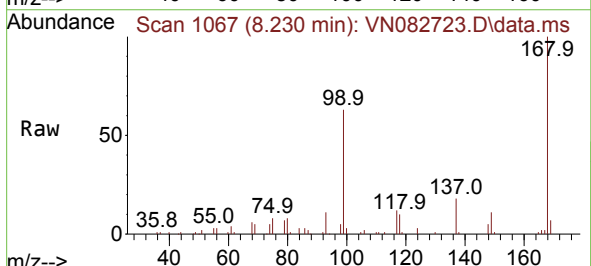
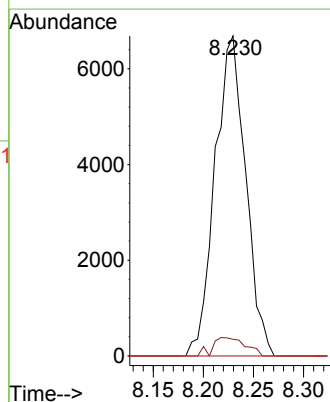
RT: 8.230 min Scan# 1067

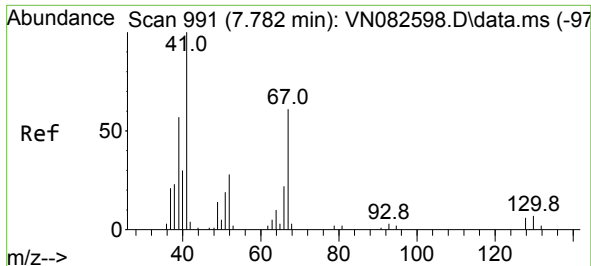
Delta R.T. -0.135 min

Lab File: VN082723.D

Acq: 25 Jun 2024 17:24

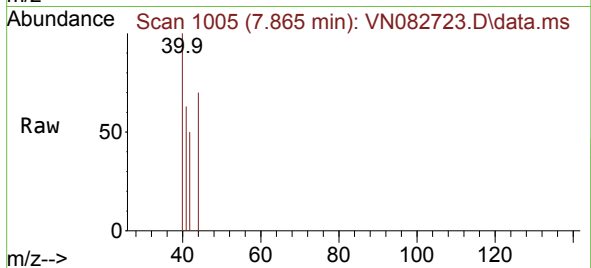
Tgt Ion:	117	Resp:	14237
Ion	Ratio	Lower	Upper
117	100		
119	5.2	74.9	112.3#
121	0.0	24.3	36.5#



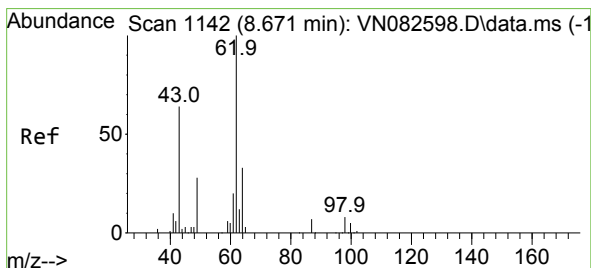
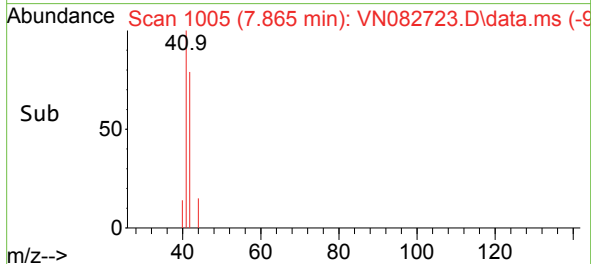
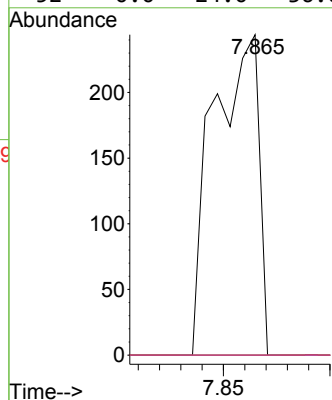


#41
Methacrylonitrile
Concen: 0.215 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.082 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

Instrument :
MSVOA_N
ClientSampleId :

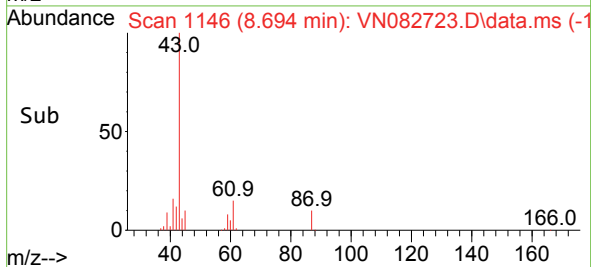
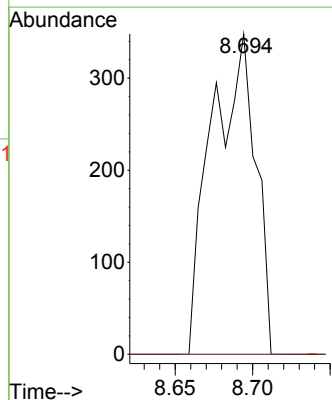
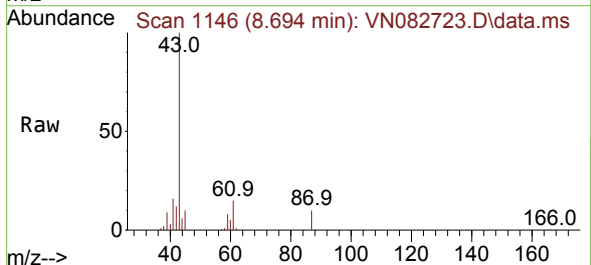


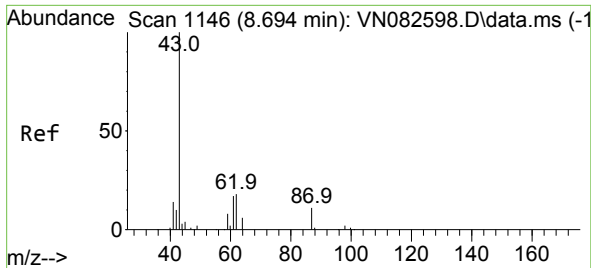
Tgt Ion: 41 Resp: 362
Ion Ratio Lower Upper
41 100
39 0.0 45.5 68.3#
67 0.0 50.5 75.7#
52 0.0 24.0 36.0#



#42
1,2-Dichloroethane
Concen: 0.224 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

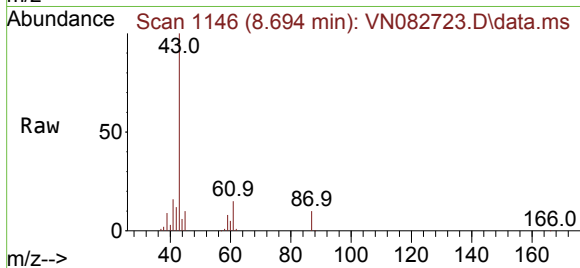
Tgt Ion: 62 Resp: 683
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8



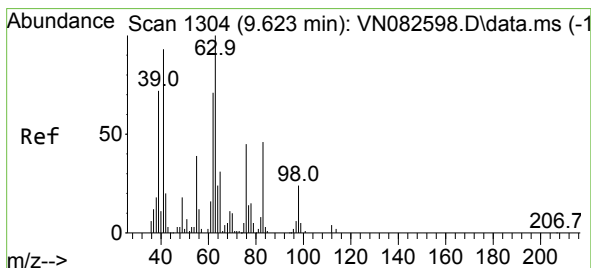
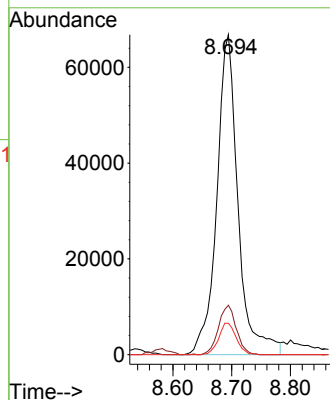
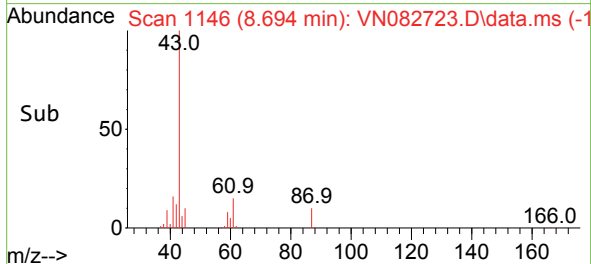


#43
Isopropyl Acetate
Concen: 27.176 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

Instrument :
MSVOA_N
ClientSampleId :

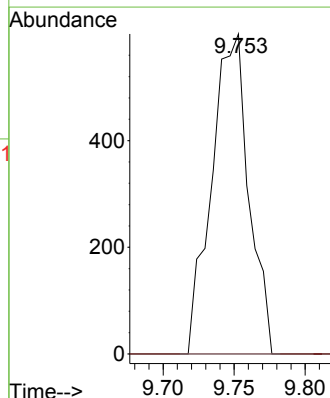
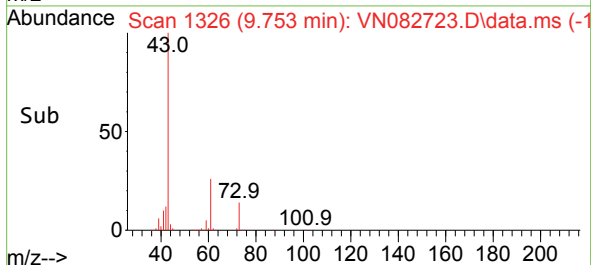
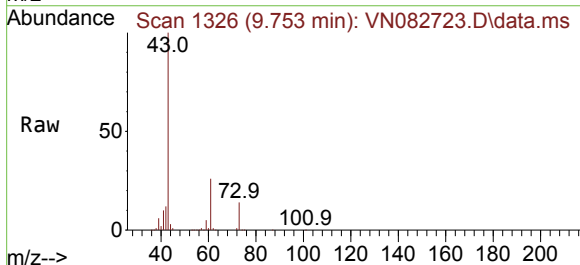


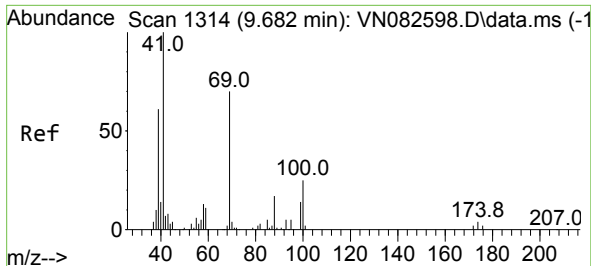
Tgt Ion: 43 Resp: 167640
Ion Ratio Lower Upper
43 100
61 12.9 17.8 26.6#
87 8.1 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.531 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.129 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

Tgt Ion: 63 Resp: 1094
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

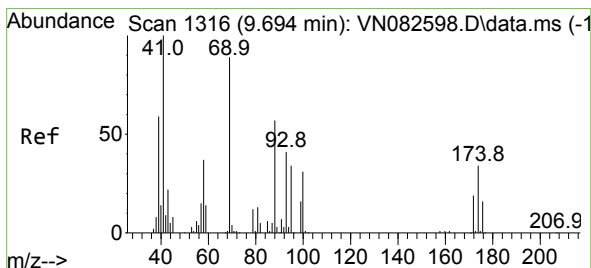
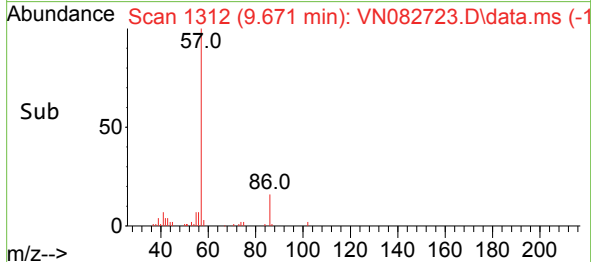
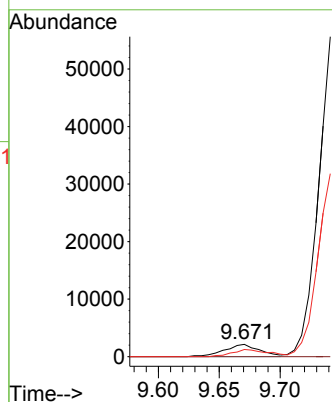
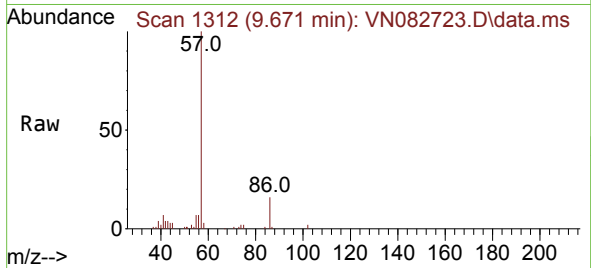




#48
Methyl methacrylate
Concen: 1.696 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.011 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

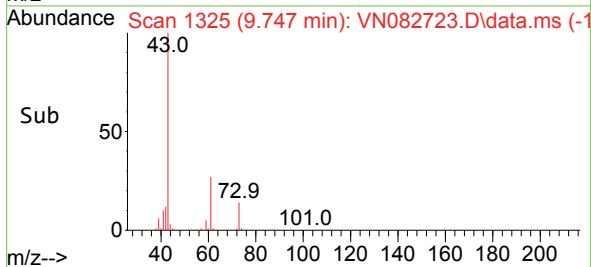
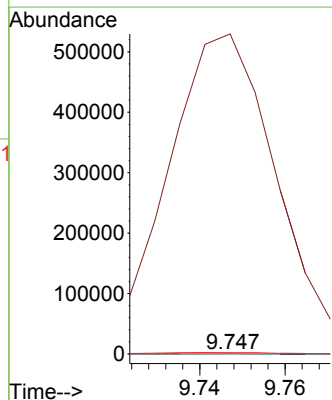
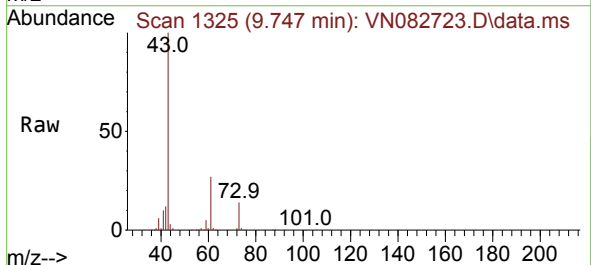
Instrument :
MSVOA_N
ClientSampleId :

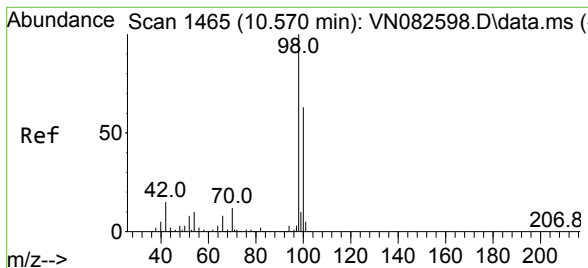
Tgt Ion: 41 Resp: 4312
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 60.4 50.3 75.5



#49
1,4-Dioxane
Concen: 1.408 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 1710826.8 27.8 41.8#
58 9203.6 59.4 89.0#

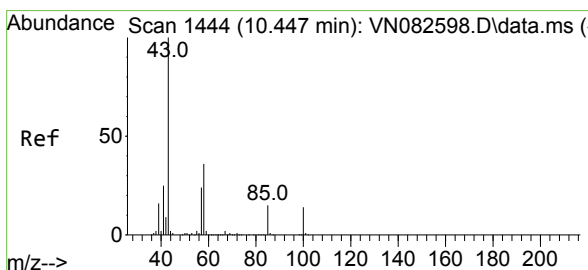
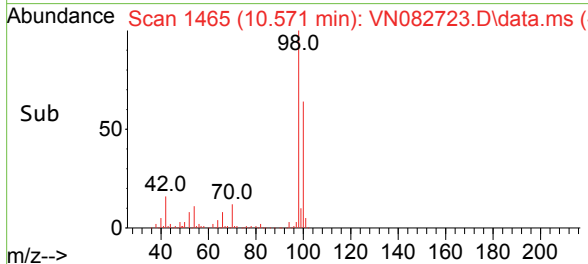
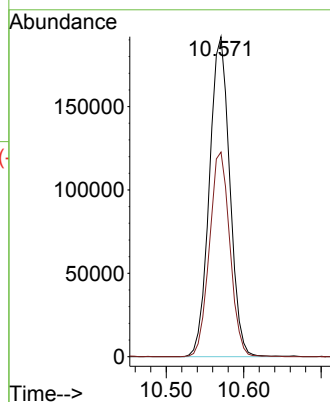
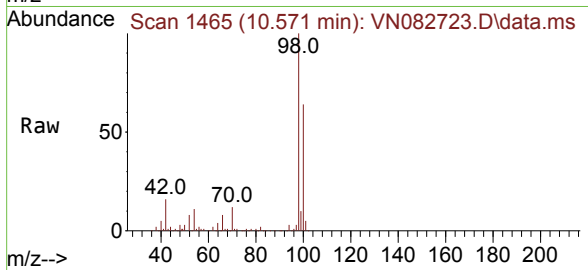




#50
Toluene-d8
Concen: 53.461 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

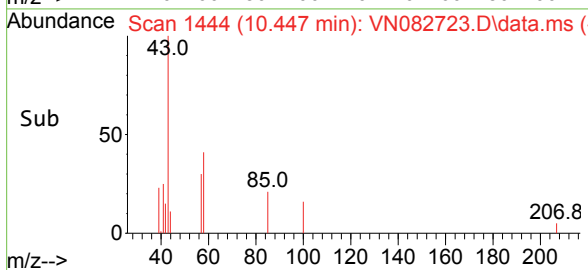
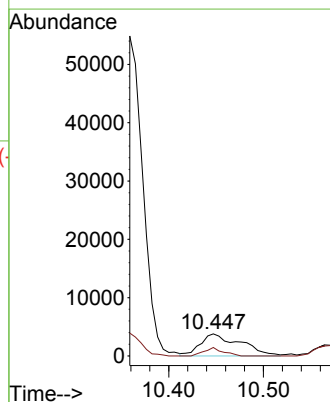
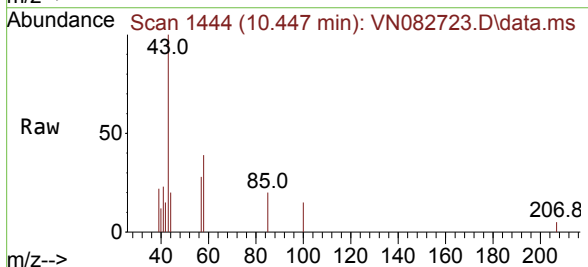
Instrument :
MSVOA_N
ClientSampleId :

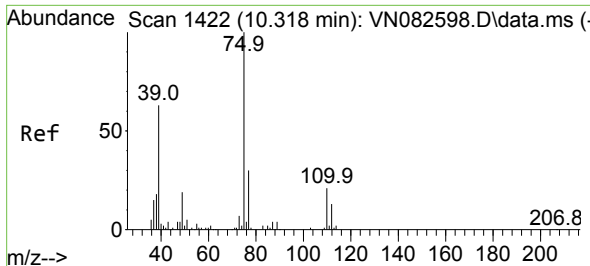
Tgt Ion: 98 Resp: 350452
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.554 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

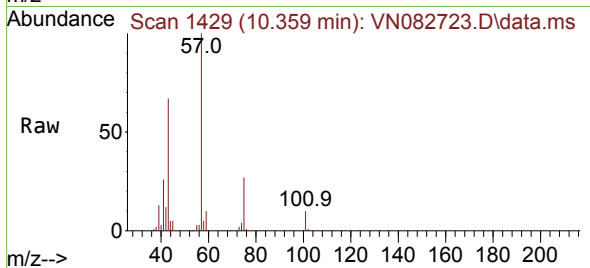
Tgt Ion: 43 Resp: 11244
Ion Ratio Lower Upper
43 100
58 17.9 28.2 42.4#



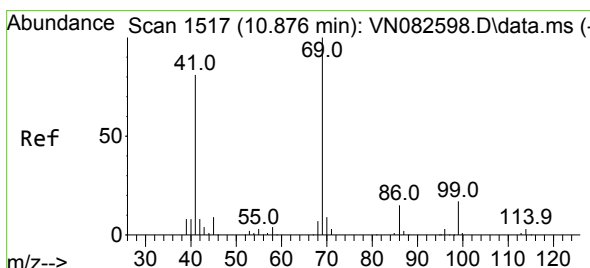
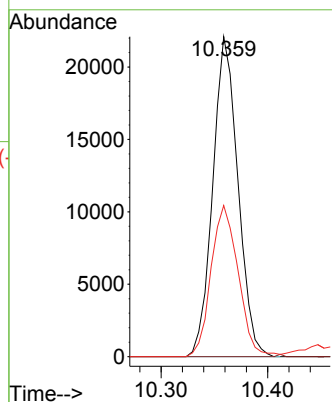
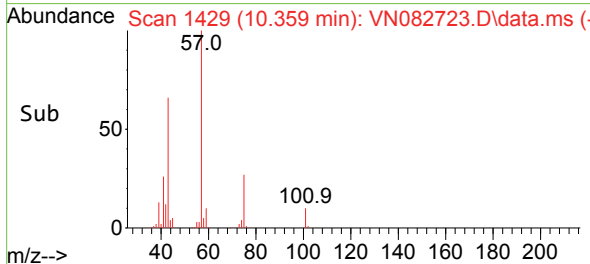


#54
cis-1,3-Dichloropropene
Concen: 11.489 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

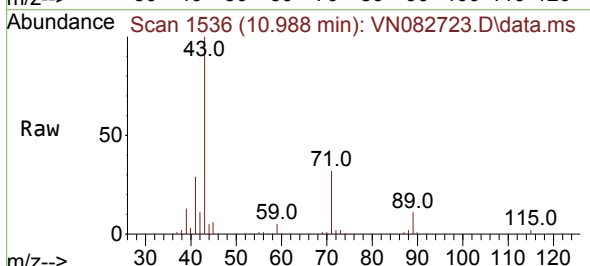
Instrument :
MSVOA_N
ClientSampleId :



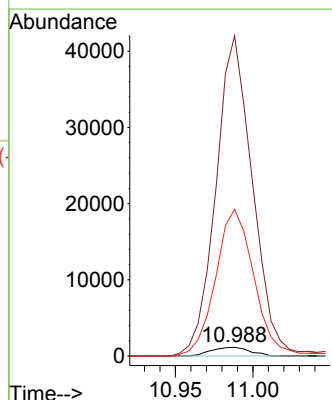
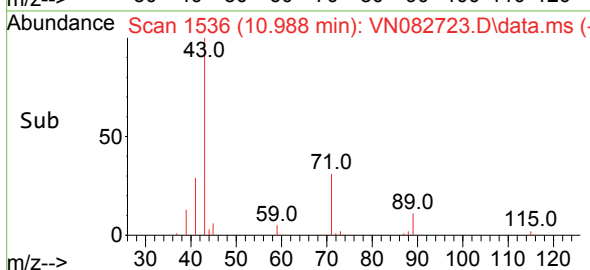
Tgt Ion: 75 Resp: 36174
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 47.3 50.5 75.7#

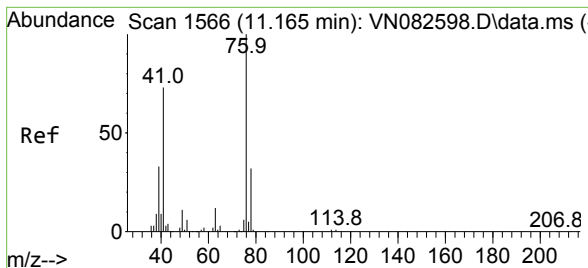


#56
Ethyl methacrylate
Concen: 0.676 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24



Tgt Ion: 69 Resp: 1965
Ion Ratio Lower Upper
69 100
41 3520.9 63.4 95.2#
39 1694.8 37.4 56.0#

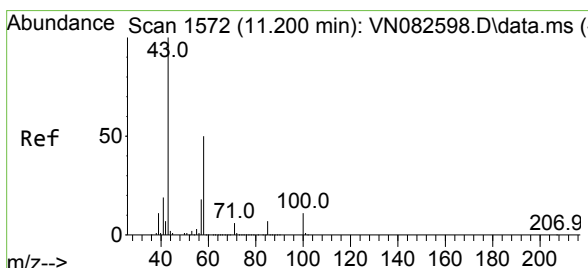
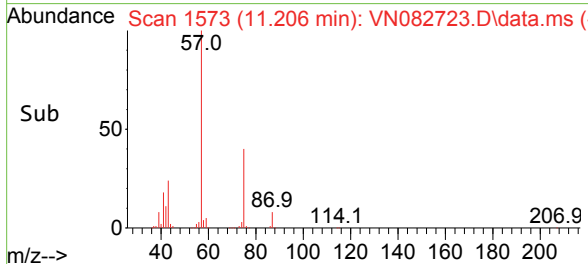
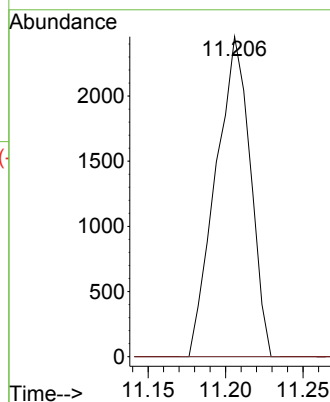
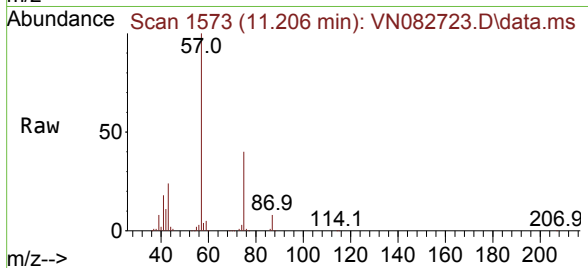




#57
1,3-Dichloropropane
Concen: 1.171 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

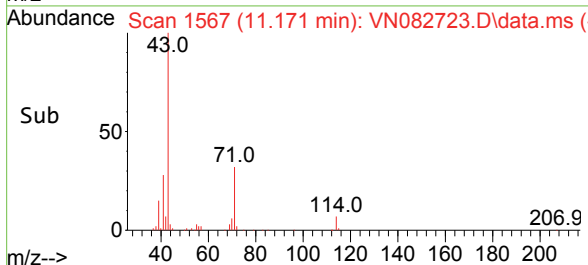
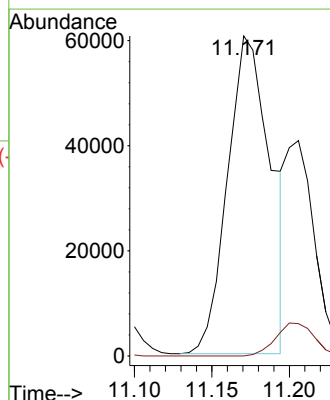
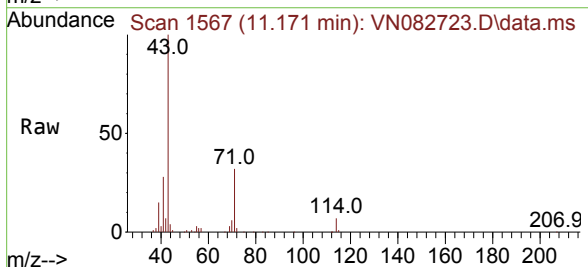
Instrument :
MSVOA_N
ClientSampleId :

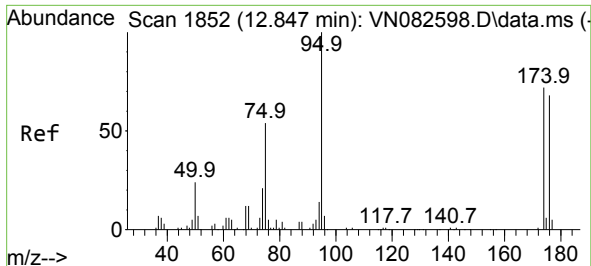
Tgt Ion: 76 Resp: 3803
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 48.460 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.029 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

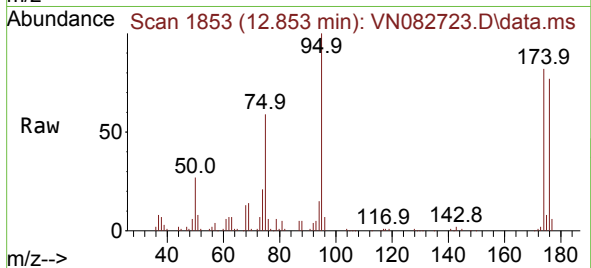
Tgt Ion: 43 Resp: 116536
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



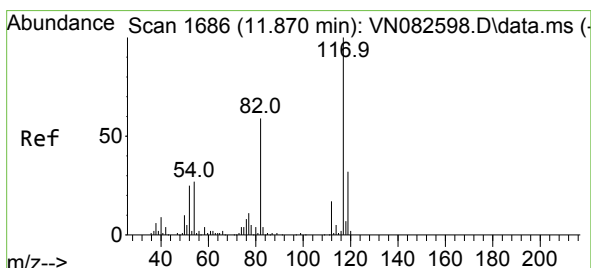
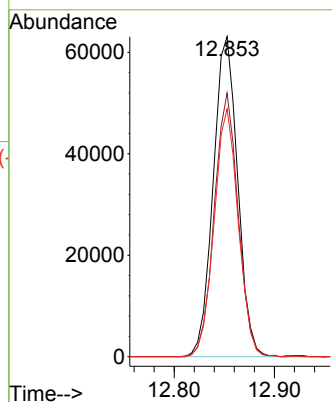
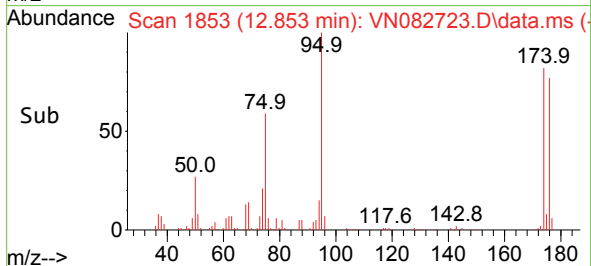


#62
4-Bromofluorobenzene
Concen: 47.194 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

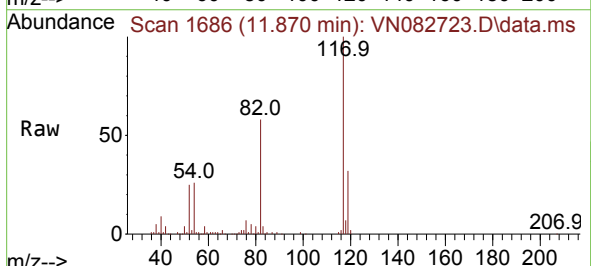
Instrument :
MSVOA_N
ClientSampleId :



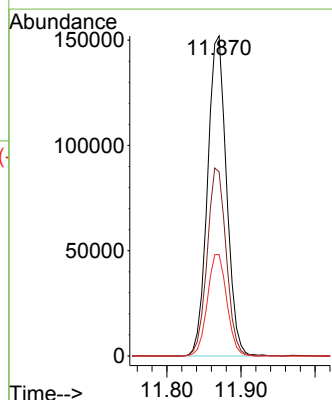
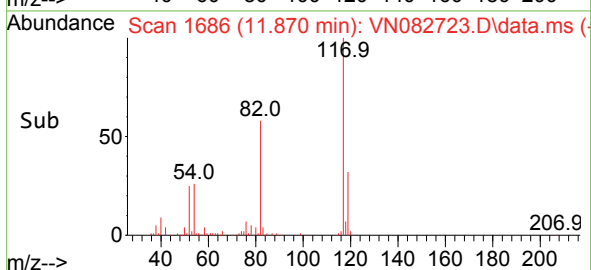
Tgt Ion: 95 Resp: 106658
Ion Ratio Lower Upper
95 100
174 80.5 0.0 159.2
176 76.4 0.0 147.6

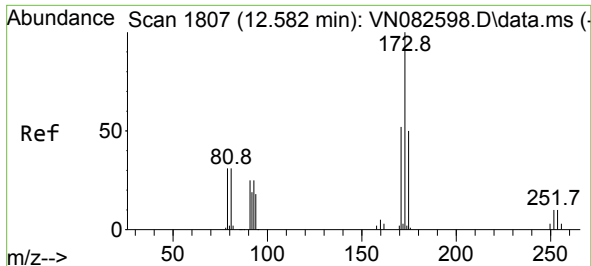


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24



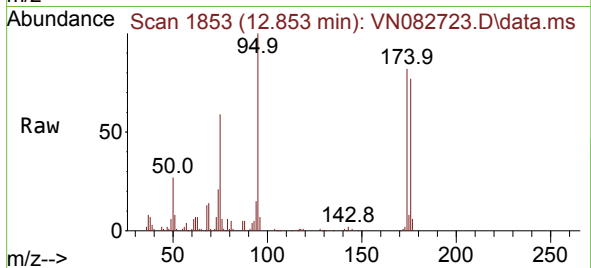
Tgt Ion: 117 Resp: 270285
Ion Ratio Lower Upper
117 100
82 57.5 47.5 71.3
119 31.7 25.6 38.4



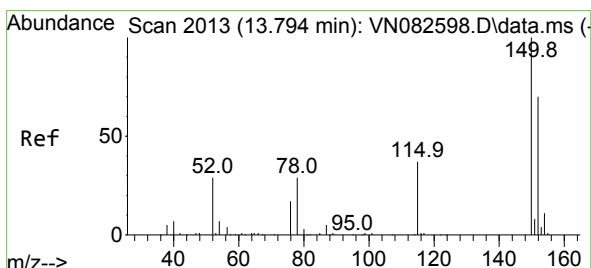
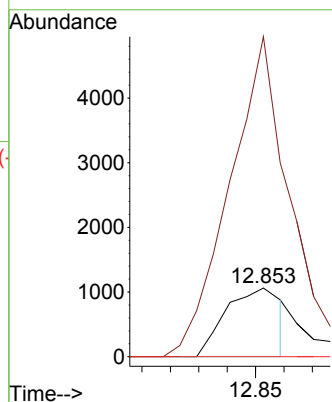
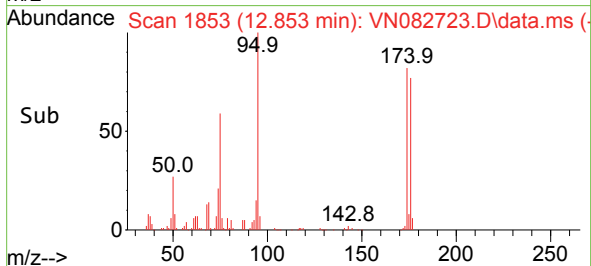


#71
Bromoform
Concen: 0.828 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

Instrument :
MSVOA_N
ClientSampleId :

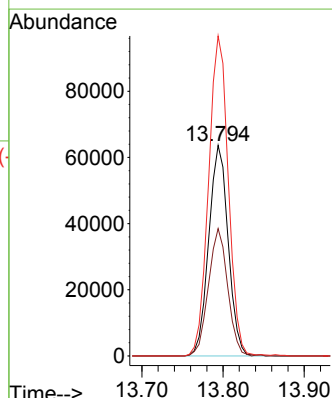
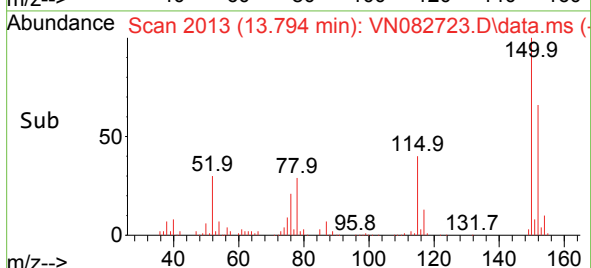
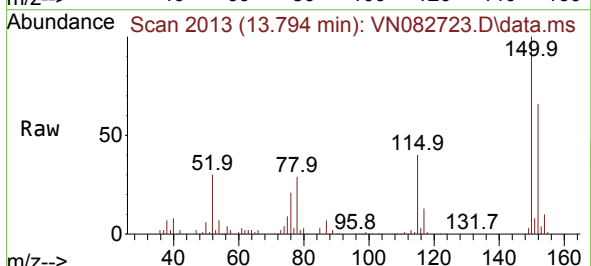


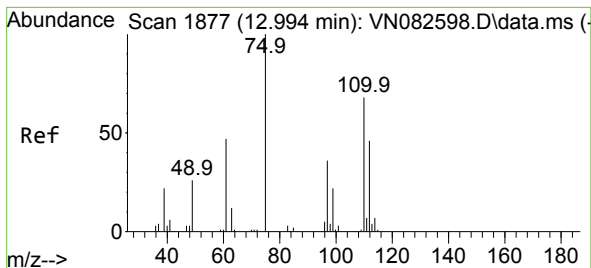
Tgt Ion:173 Resp: 1447
Ion Ratio Lower Upper
173 100
175 410.5 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082723.D
Acq: 25 Jun 2024 17:24

Tgt Ion:152 Resp: 105677
Ion Ratio Lower Upper
152 100
115 59.8 30.6 91.6
150 154.4 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 24.503 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082723.D

Acq: 25 Jun 2024 17:24

Instrument :

MSVOA_N

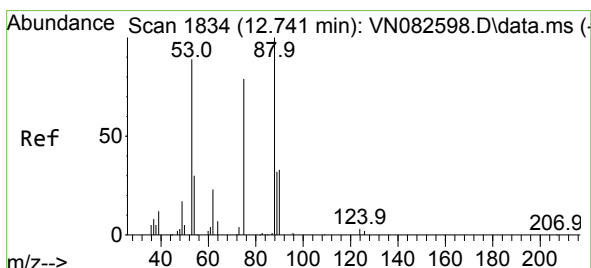
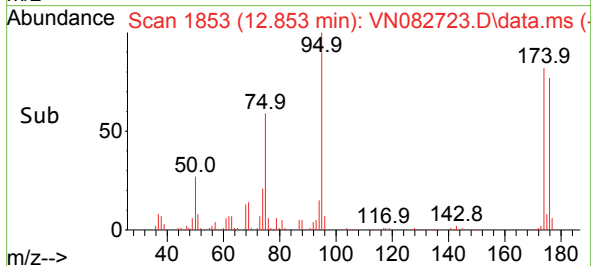
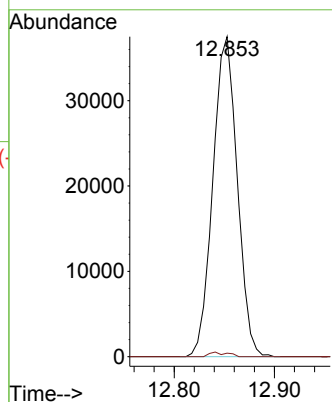
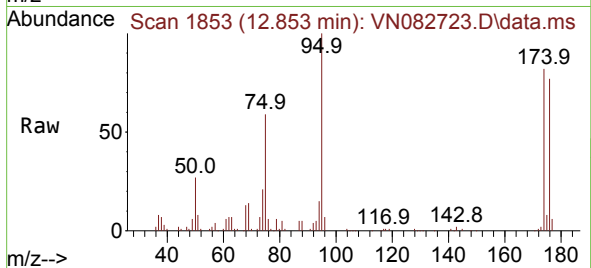
ClientSampleId :

Tgt Ion: 75 Resp: 63334

Ion Ratio Lower Upper

75 100

77 1.1 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.623 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082723.D

Acq: 25 Jun 2024 17:24

Tgt Ion: 75 Resp: 63334

Ion Ratio Lower Upper

75 100

53 0.1 88.4 132.6#

89 0.0 36.3 54.5#

