

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060524\
 Data File : VN082471.D
 Acq On : 05 Jun 2024 15:25
 Operator : JC\MD
 Sample : P2704-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 06 00:57:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

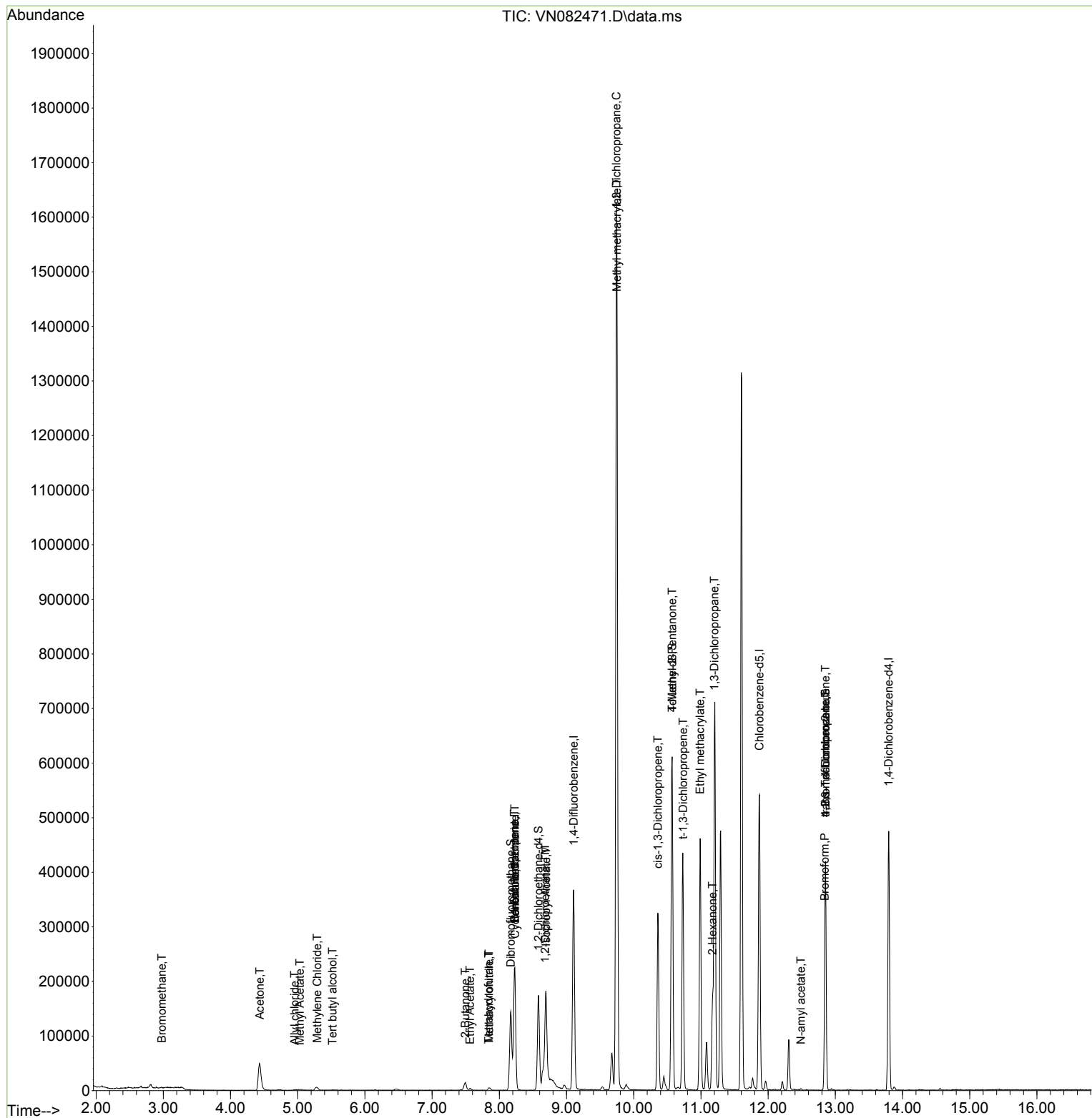
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	159004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	292219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	291925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	135923	54.137	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.280%	
35) Dibromofluoromethane	8.171	113	99589	55.401	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.800%	
50) Toluene-d8	10.571	98	391081	56.745	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.500%#	
62) 4-Bromofluorobenzene	12.853	95	129697	52.725	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 105.460%	
Target Compounds						Qvalue
5) Bromomethane	2.977	94	301	0.214	ug/l #	72
11) Tert butyl alcohol	5.518	59	399	0.990	ug/l #	71
14) Allyl chloride	4.953	41	1682	0.452	ug/l #	27
16) Acetone	4.436	43	97564	94.728	ug/l	92
18) Methyl Acetate	5.030	43	3682	1.436	ug/l #	60
20) Methylene Chloride	5.289	84	4376	2.106	ug/l #	78
25) 2-Butanone	7.494	43	24132	15.454	ug/l #	78
29) Tetrahydrofuran	7.841	42	3493	3.484	ug/l #	76
31) Cyclohexane	8.236	56	4654	1.161	ug/l #	48
36) 1,1-Dichloropropene	8.224	75	14151	4.694	ug/l #	50
37) Ethyl Acetate	7.565	43	4897	1.451	ug/l #	79
38) Carbon Tetrachloride	8.230	117	16872	5.521	ug/l #	17
41) Methacrylonitrile	7.847	41	2097	1.057	ug/l #	41
42) 1,2-Dichloroethane	8.683	62	970	0.281	ug/l #	73
43) Isopropyl Acetate	8.694	43	257794	43.120	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	1831	0.789	ug/l #	45
48) Methyl methacrylate	9.747	41	162649	57.095	ug/l #	38
51) 4-Methyl-2-Pentanone	10.571	43	8917	2.625	ug/l	89
53) t-1,3-Dichloropropene	10.735	75	894	0.269	ug/l #	76
54) cis-1,3-Dichloropropene	10.359	75	48658	13.825	ug/l #	77
56) Ethyl methacrylate	10.988	69	1951	0.586	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6400	1.746	ug/l #	42
59) 2-Hexanone	11.171	43	137846	55.423	ug/l #	23
71) Bromoform	12.841	173	439	0.957	ug/l #	28
74) N-amyl acetate	12.488	43	1917	0.369	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	76071	30.371	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	76071	71.036	ug/l #	12

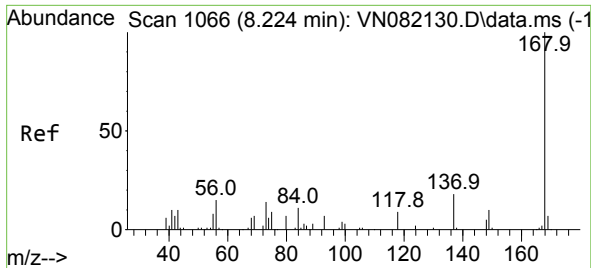
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P2704-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

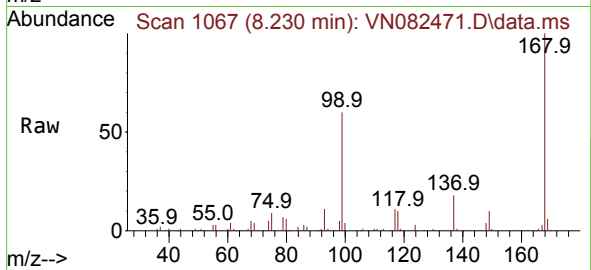
Quant Time: Jun 06 00:57:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



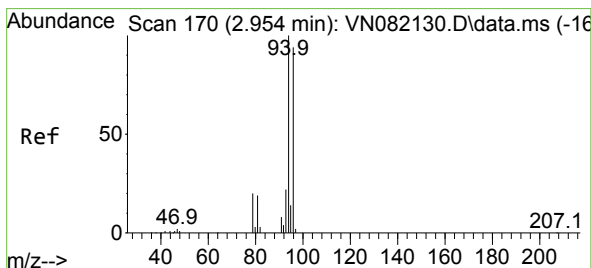
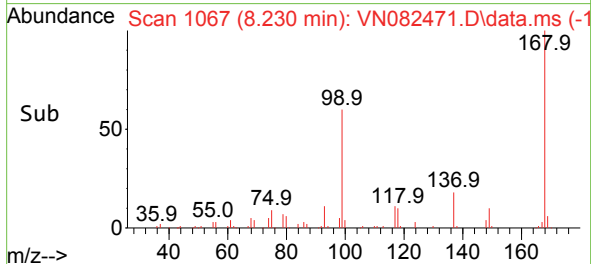
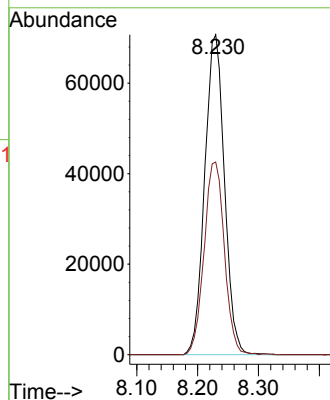


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

Instrument :
MSVOA_N
ClientSampleId :

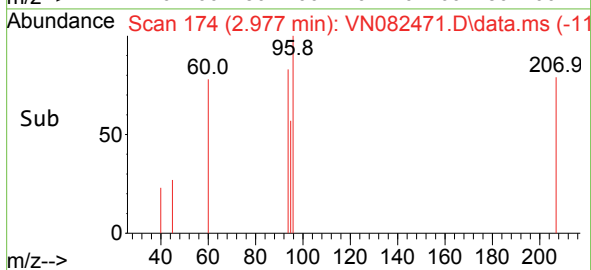
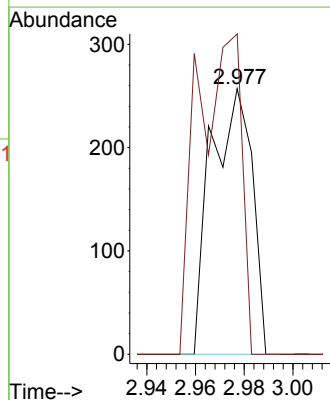
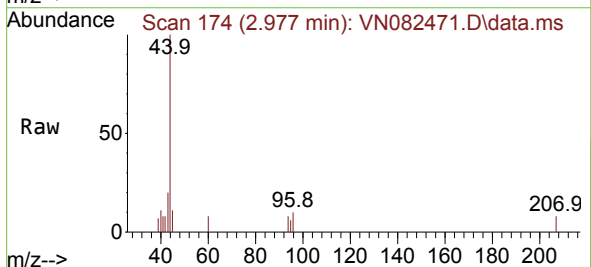


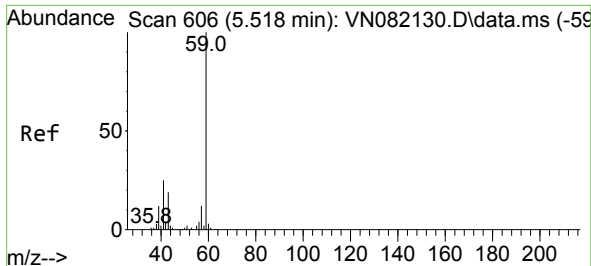
Tgt Ion:168 Resp: 159004
Ion Ratio Lower Upper
168 100
99 60.2 48.2 72.4



#5
Bromomethane
Concen: 0.214 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.024 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

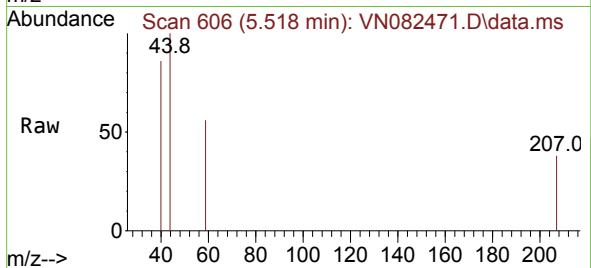
Tgt Ion: 94 Resp: 301
Ion Ratio Lower Upper
94 100
96 120.6 74.8 112.2#



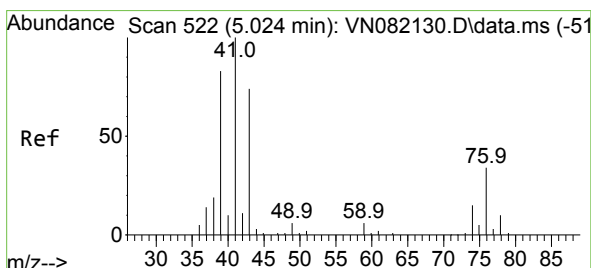
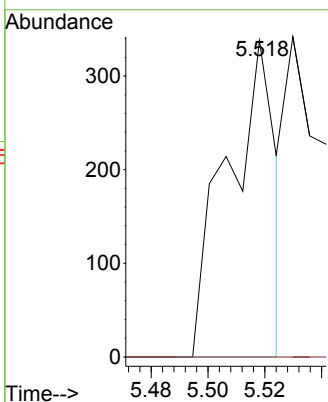
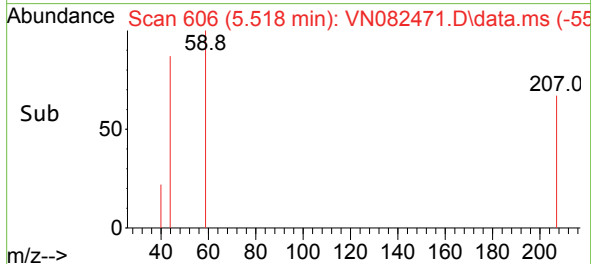


#11
Tert butyl alcohol
Concen: 0.990 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

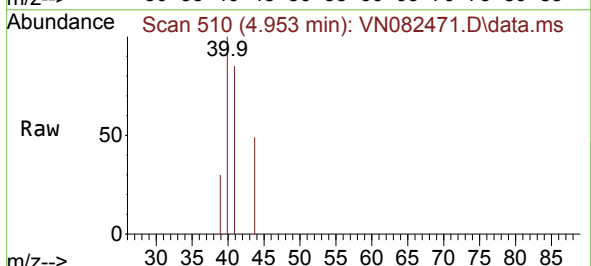
Instrument :
MSVOA_N
ClientSampleId :



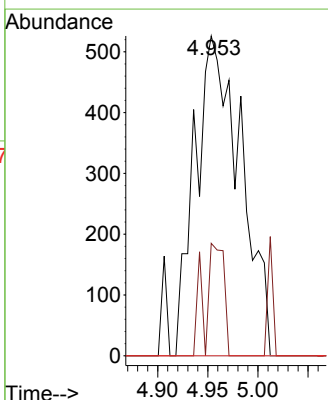
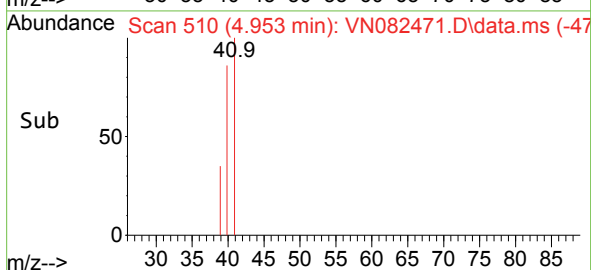
Tgt Ion: 59 Resp: 399
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

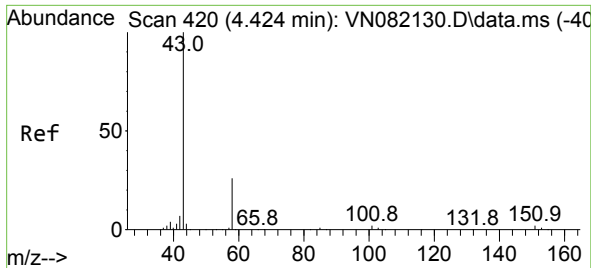


#14
Allyl chloride
Concen: 0.452 ug/l
RT: 4.953 min Scan# 510
Delta R.T. -0.071 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25



Tgt Ion: 41 Resp: 1682
Ion Ratio Lower Upper
41 100
39 14.7 65.4 98.0#
76 0.0 37.3 55.9#

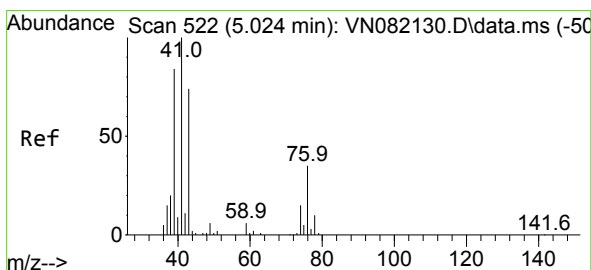
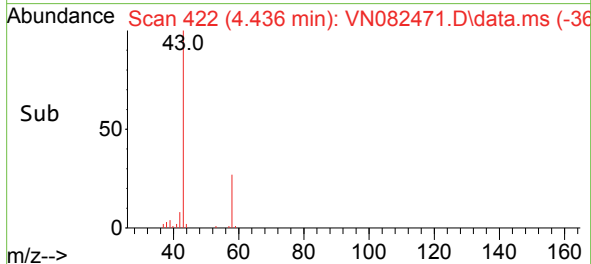
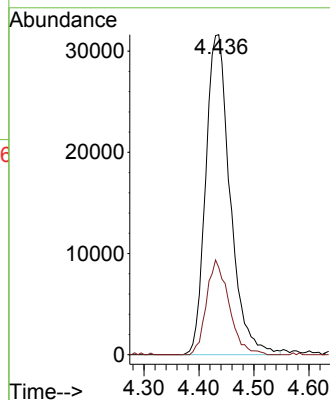
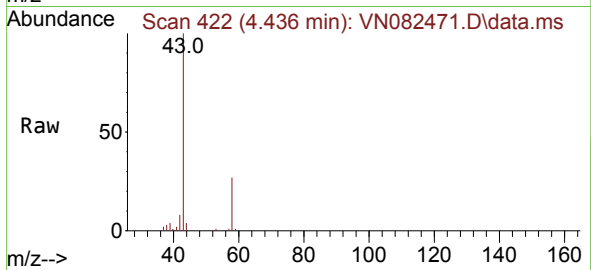




#16
Acetone
Concen: 94.728 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

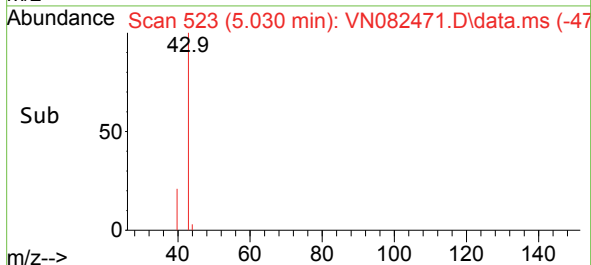
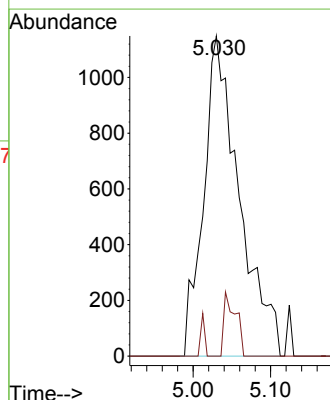
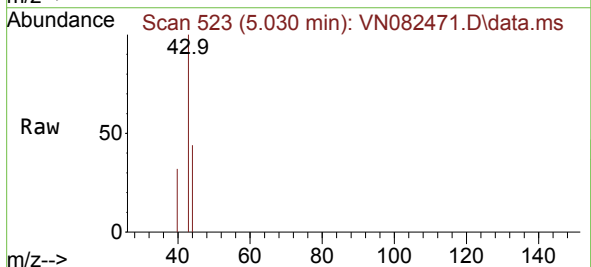
Instrument :
MSVOA_N
ClientSampleId :

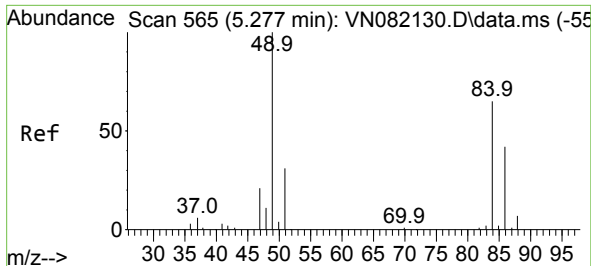
Tgt Ion: 43 Resp: 97564
Ion Ratio Lower Upper
43 100
58 27.3 25.2 37.8



#18
Methyl Acetate
Concen: 1.436 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

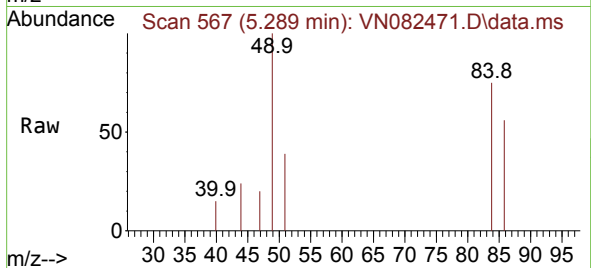
Tgt Ion: 43 Resp: 3682
Ion Ratio Lower Upper
43 100
74 6.7 22.2 33.2#



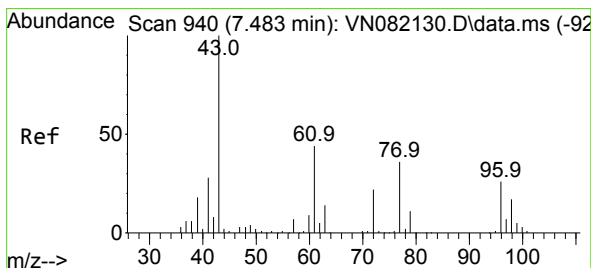
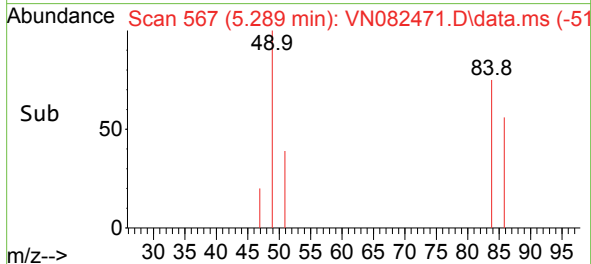
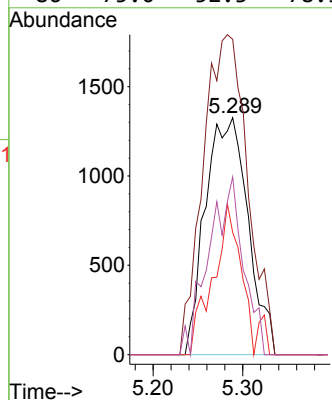


#20
Methylene Chloride
Concen: 2.106 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

Instrument :
MSVOA_N
ClientSampleId :

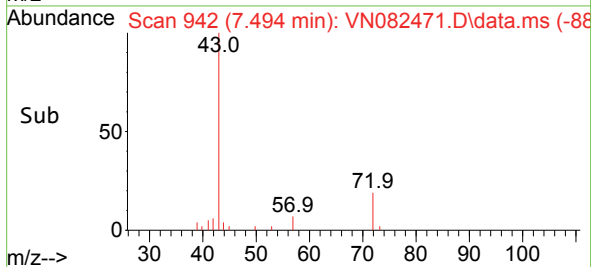
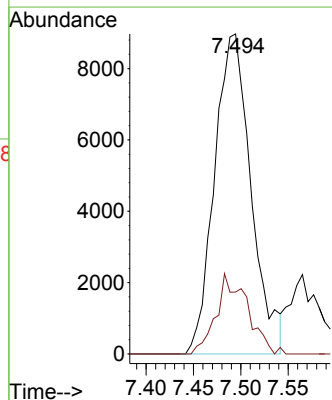
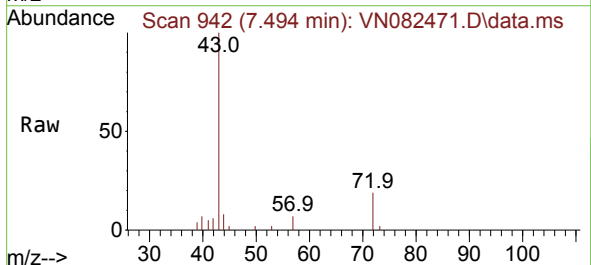


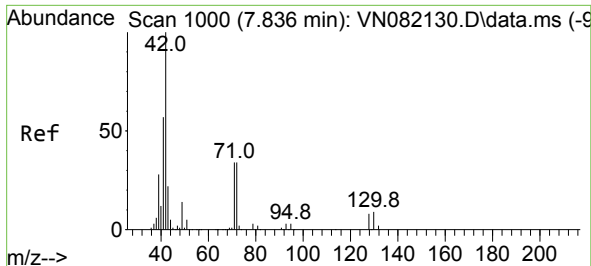
Tgt Ion: 84 Resp: 4376
Ion Ratio Lower Upper
84 100
49 133.1 84.9 127.3#
51 51.6 27.0 40.6#
86 75.0 52.3 78.5



#25
2-Butanone
Concen: 15.454 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

Tgt Ion: 43 Resp: 24132
Ion Ratio Lower Upper
43 100
72 19.4 25.3 37.9#





#29

Tetrahydrofuran

Concen: 3.484 ug/l

RT: 7.841 min Scan# 10

Delta R.T. 0.005 min

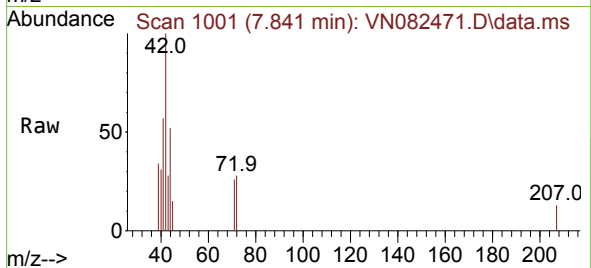
Lab File: VN082471.D

Acq: 05 Jun 2024 15:25

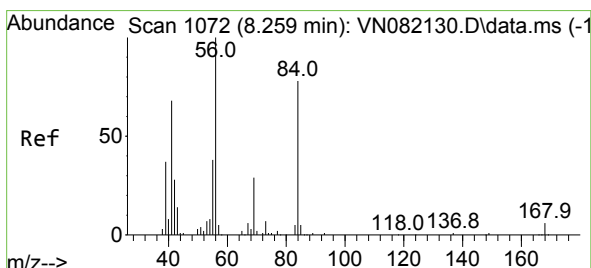
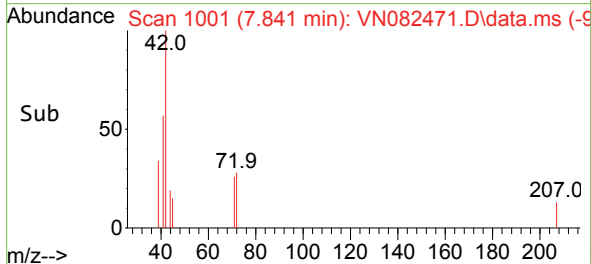
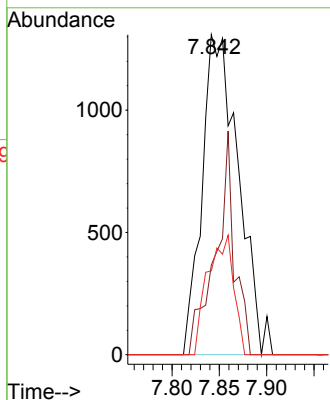
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	3493
Ion Ratio	Lower	Upper	
42	100		
72	36.3	39.3	58.9#
71	26.7	37.4	56.0#



#31

Cyclohexane

Concen: 1.161 ug/l

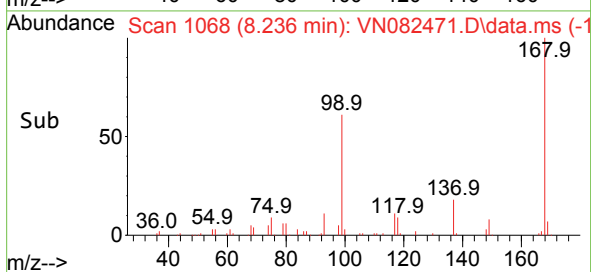
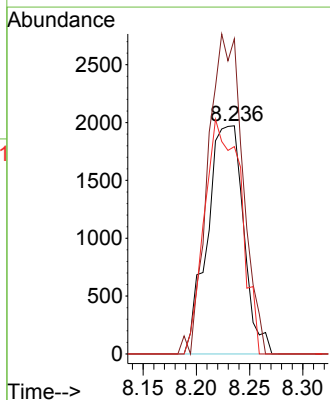
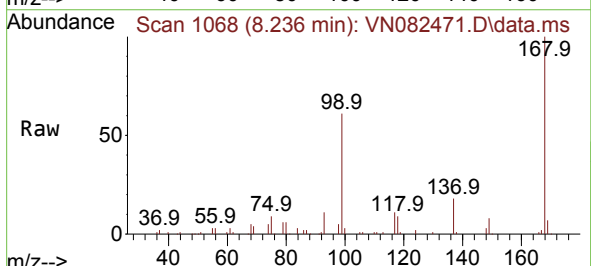
RT: 8.236 min Scan# 1068

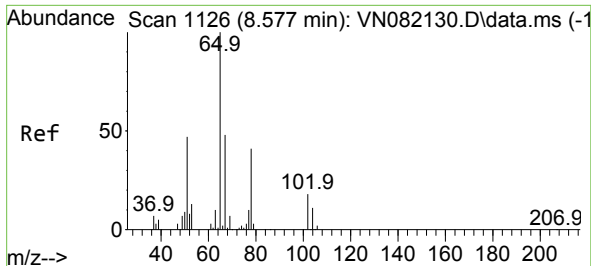
Delta R.T. -0.023 min

Lab File: VN082471.D

Acq: 05 Jun 2024 15:25

Tgt Ion:	56	Resp:	4654
Ion Ratio	Lower	Upper	
56	100		
69	138.1	24.4	36.6#
84	90.9	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 54.137 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082471.D

Acq: 05 Jun 2024 15:25

Instrument :

MSVOA_N

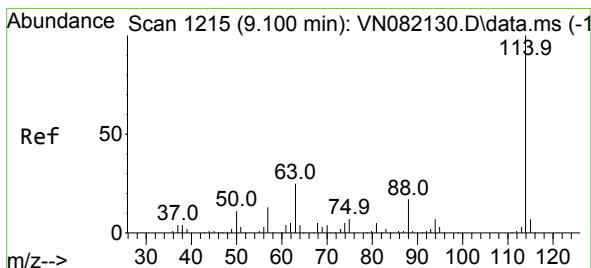
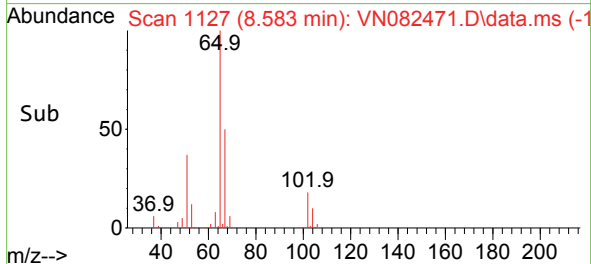
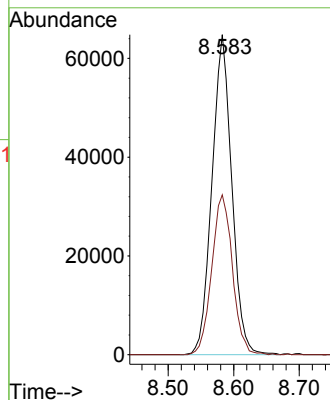
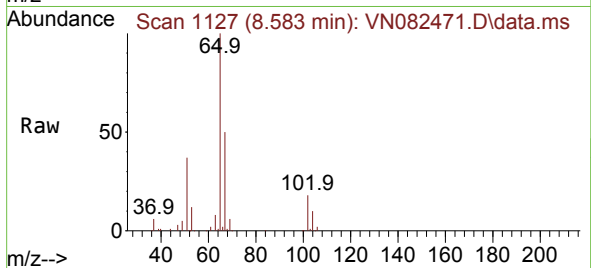
ClientSampleId :

Tgt Ion: 65 Resp: 135923

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082471.D

Acq: 05 Jun 2024 15:25

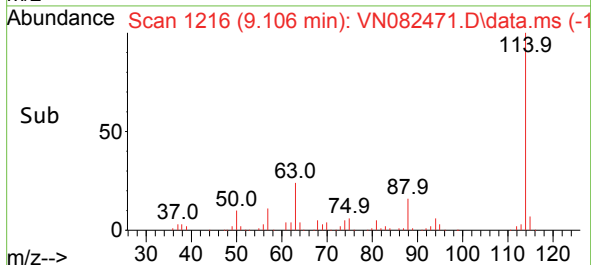
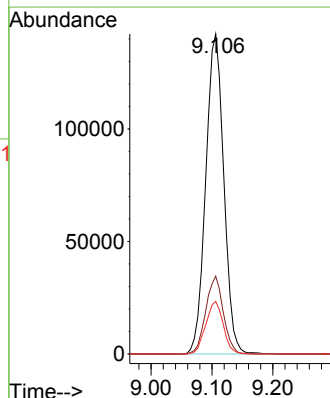
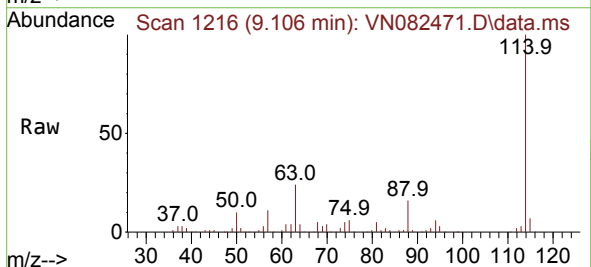
Tgt Ion: 114 Resp: 292219

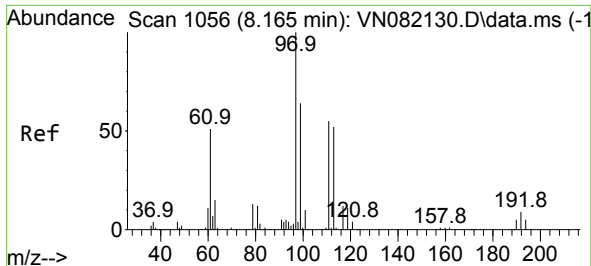
Ion Ratio Lower Upper

114 100

63 24.3 0.0 41.0

88 16.5 0.0 31.4

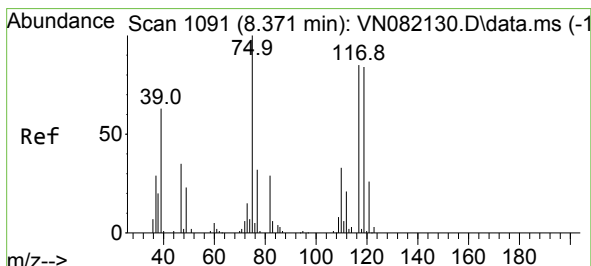
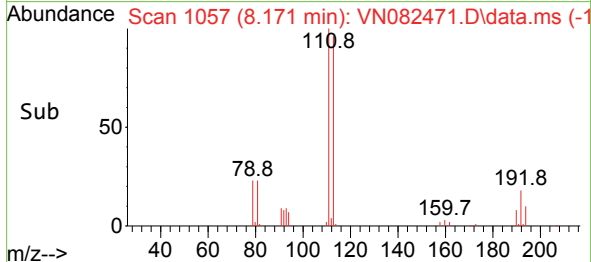
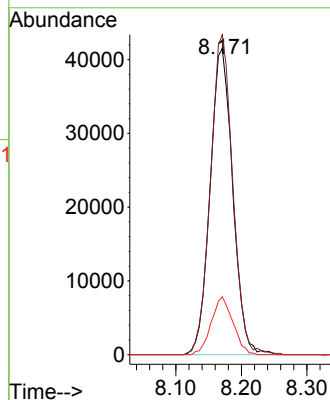
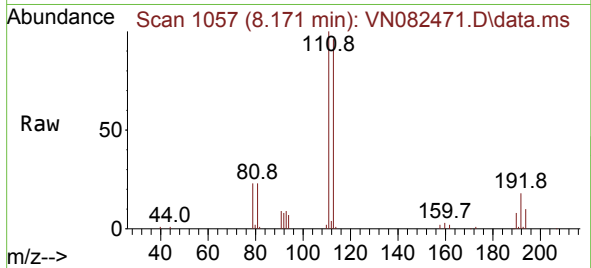




#35
Dibromofluoromethane
Concen: 55.401 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

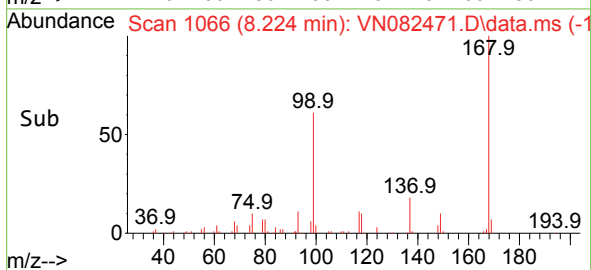
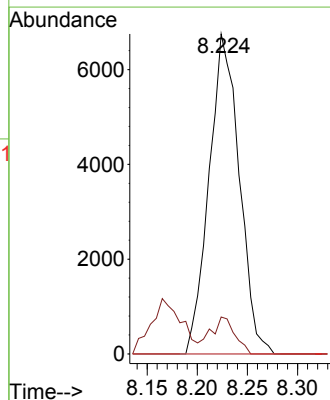
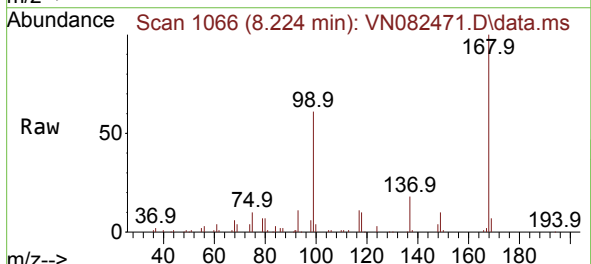
Instrument :
MSVOA_N
ClientSampleId :

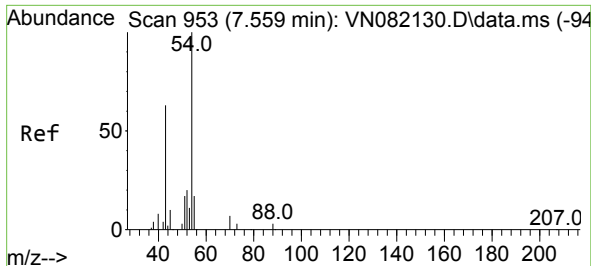
Tgt Ion:113 Resp: 99589
Ion Ratio Lower Upper
113 100
111 103.0 83.4 125.2
192 18.1 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.694 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

Tgt Ion: 75 Resp: 14151
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.451 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

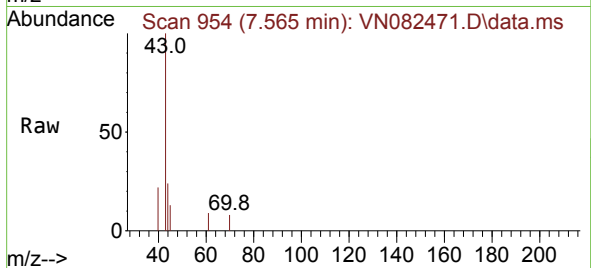
Lab File: VN082471.D

Acq: 05 Jun 2024 15:25

Instrument :

MSVOA_N

ClientSampleId :



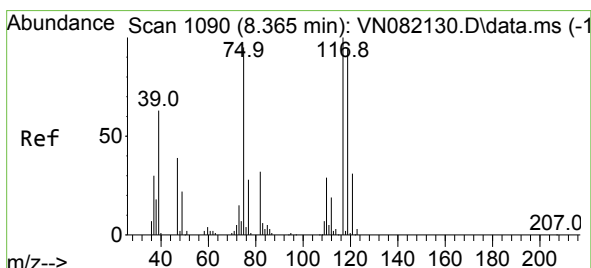
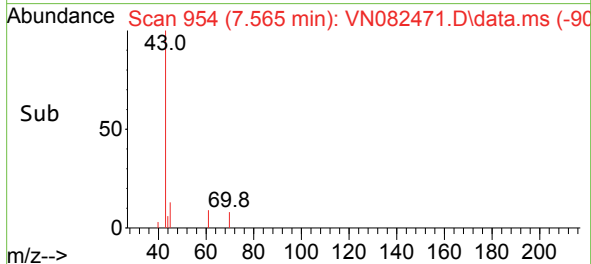
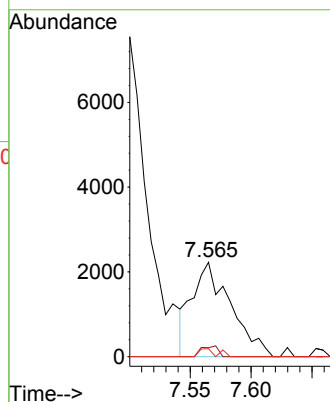
Tgt Ion: 43 Resp: 4897

Ion Ratio Lower Upper

43 100

61 4.9 11.3 16.9#

70 3.8 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.521 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082471.D

Acq: 05 Jun 2024 15:25

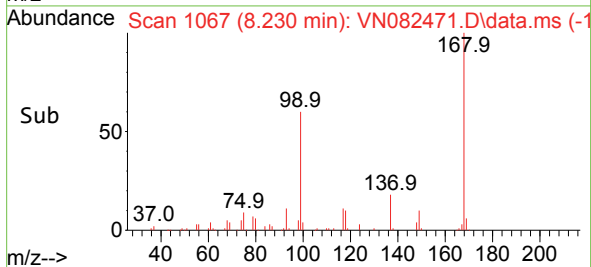
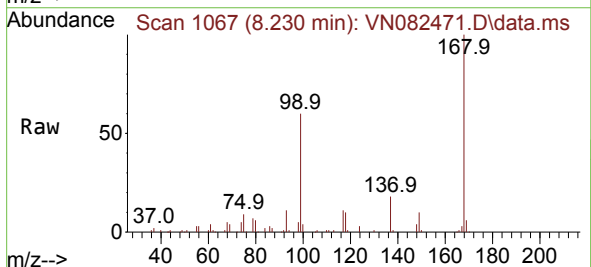
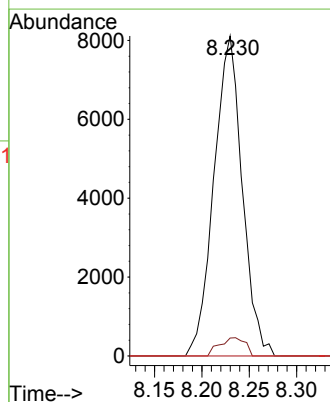
Tgt Ion: 117 Resp: 16872

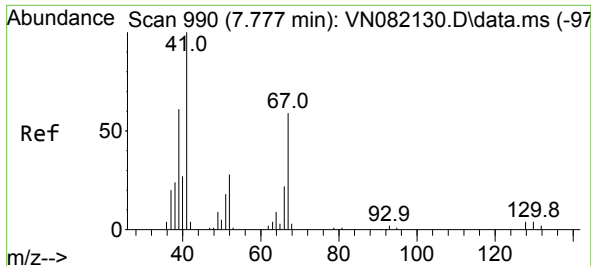
Ion Ratio Lower Upper

117 100

119 5.6 76.5 114.7#

121 0.0 23.9 35.9#

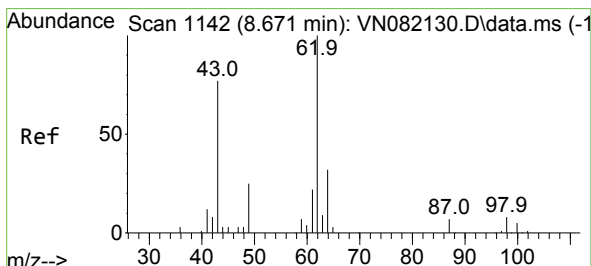
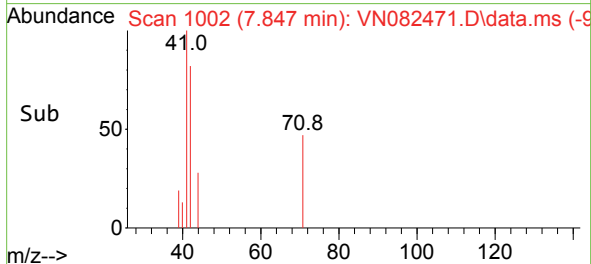
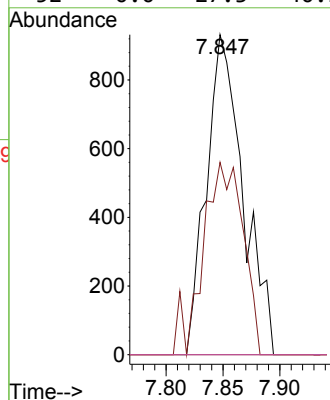
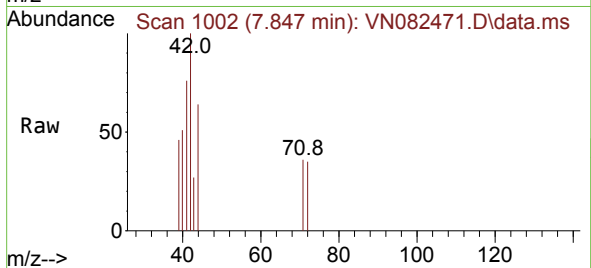




#41
Methacrylonitrile
Concen: 1.057 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

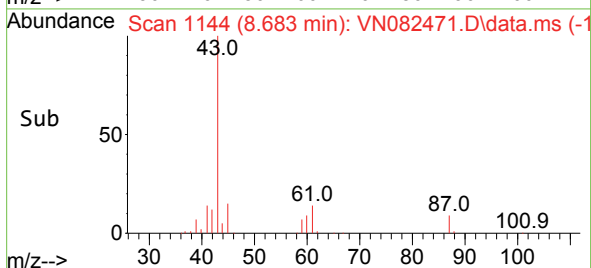
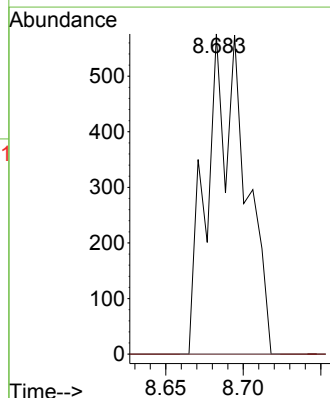
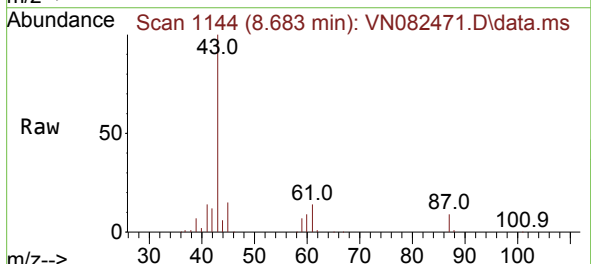
Instrument :
MSVOA_N
ClientSampleId :

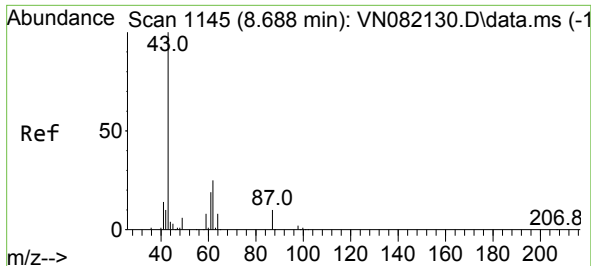
Tgt Ion: 41 Resp: 2097
Ion Ratio Lower Upper
41 100
39 65.9 46.6 69.8
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#



#42
1,2-Dichloroethane
Concen: 0.281 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

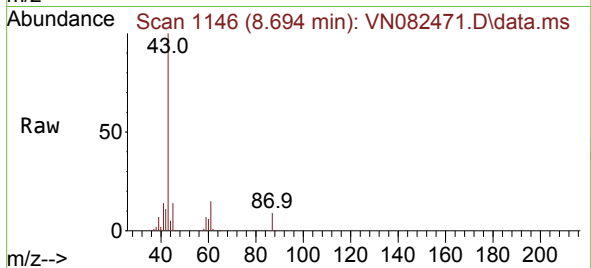
Tgt Ion: 62 Resp: 970
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



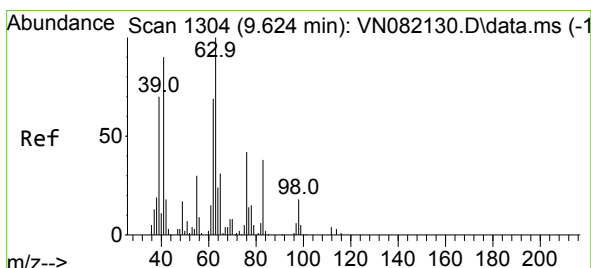
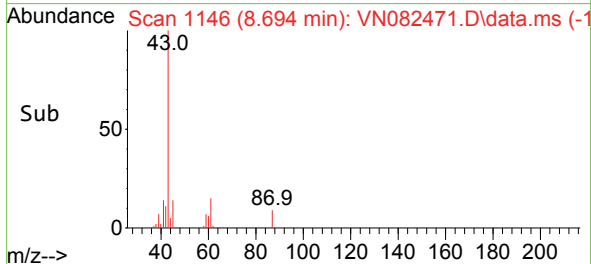
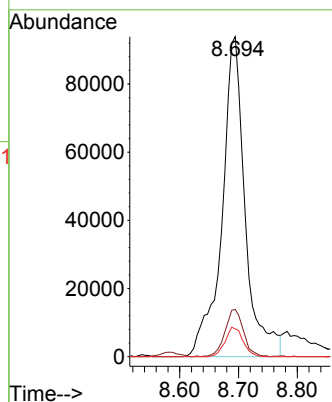


#43
Isopropyl Acetate
Concen: 43.120 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

Instrument :
MSVOA_N
ClientSampleId :

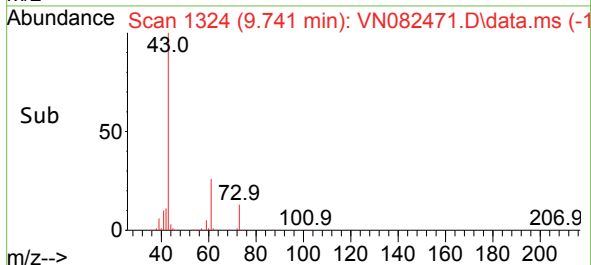
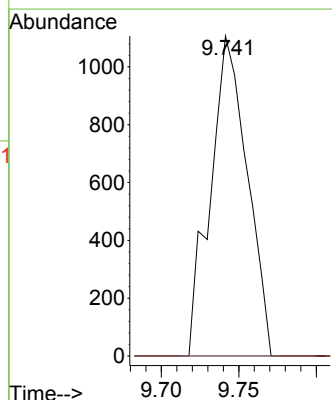
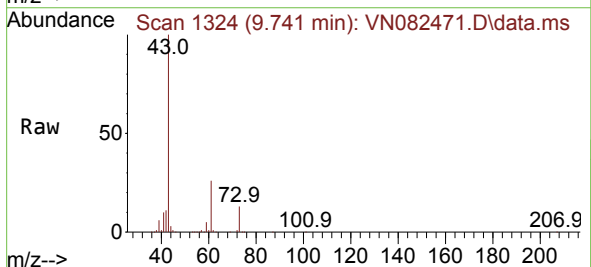


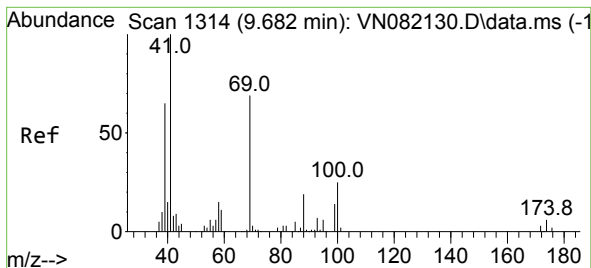
Tgt Ion: 43 Resp: 257794
Ion Ratio Lower Upper
43 100
61 11.8 22.8 34.2#
87 7.1 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.789 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

Tgt Ion: 63 Resp: 1831
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#





#48

Methyl methacrylate

Concen: 57.095 ug/l

RT: 9.747 min Scan# 1314

Delta R.T. 0.065 min

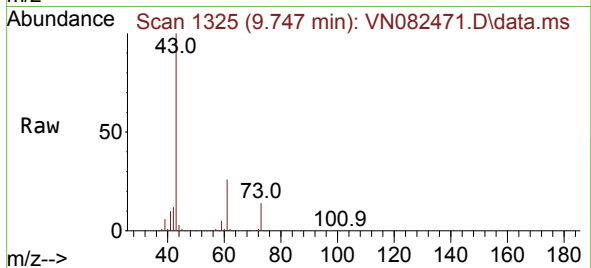
Lab File: VN082471.D

Acq: 05 Jun 2024 15:25

Instrument :

MSVOA_N

ClientSampleId :



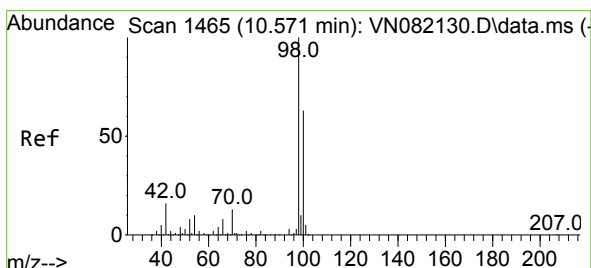
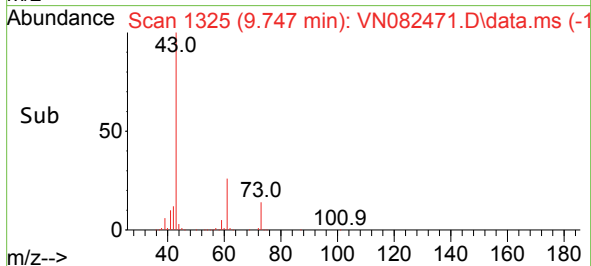
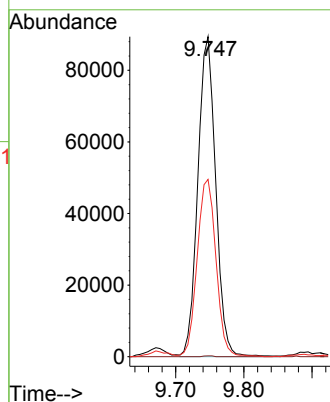
Tgt Ion: 41 Resp: 162649

Ion Ratio Lower Upper

41 100

69 0.1 77.9 116.9#

39 58.2 50.9 76.3



#50

Toluene-d8

Concen: 56.745 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082471.D

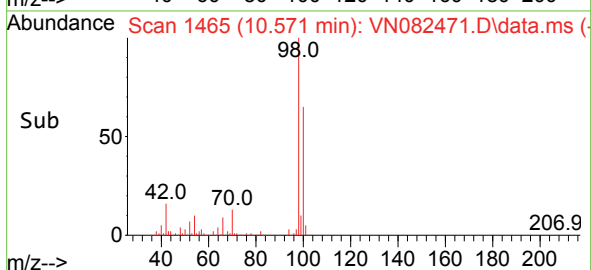
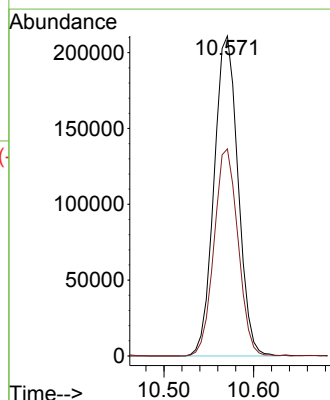
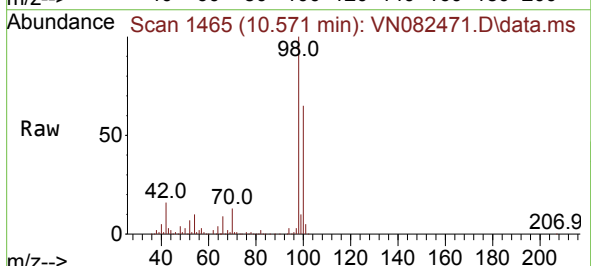
Acq: 05 Jun 2024 15:25

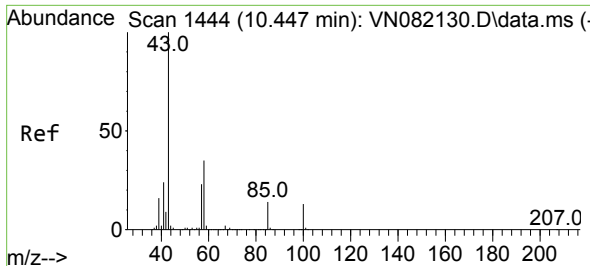
Tgt Ion: 98 Resp: 391081

Ion Ratio Lower Upper

98 100

100 64.8 51.8 77.6

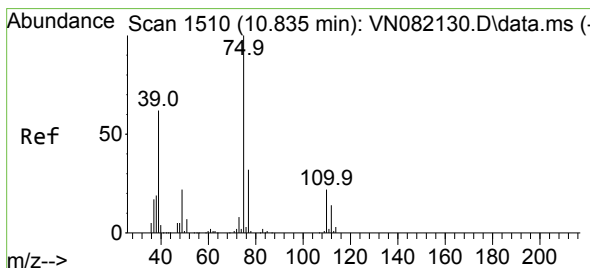
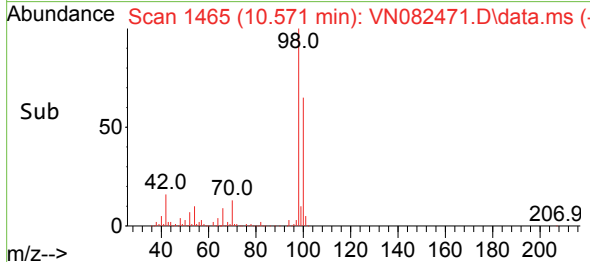
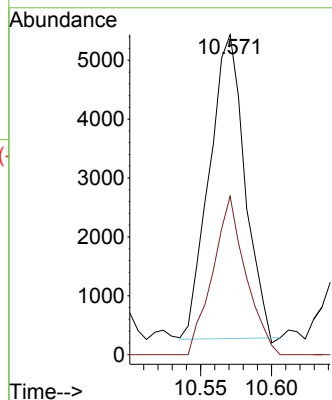
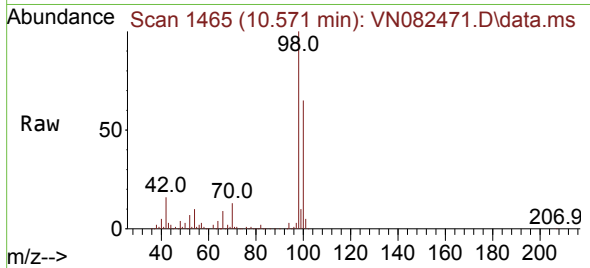




#51
4-Methyl-2-Pentanone
Concen: 2.625 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

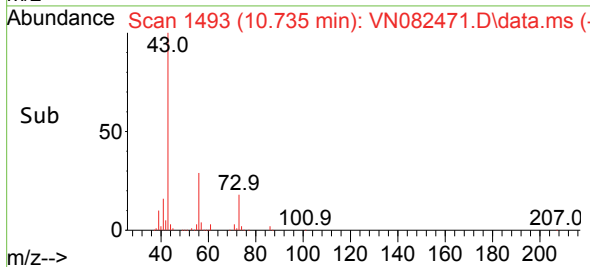
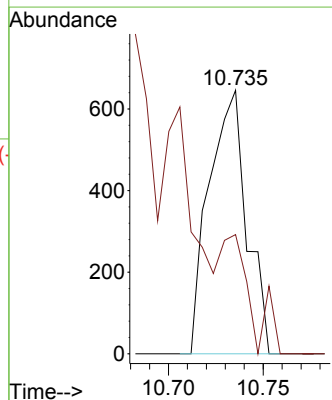
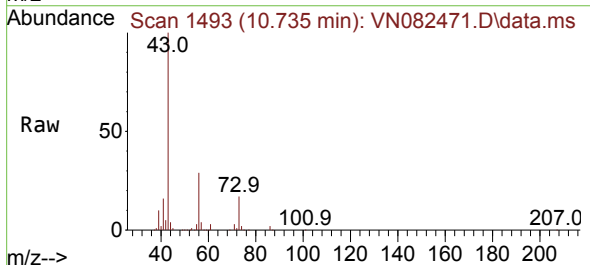
Instrument :
MSVOA_N
ClientSampleId :

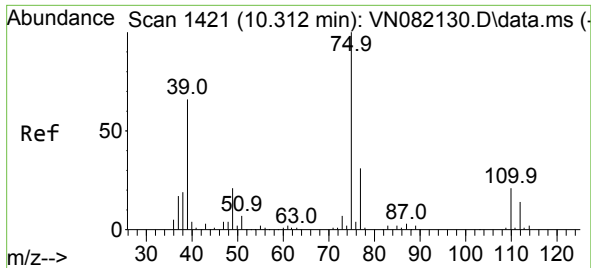
Tgt Ion: 43 Resp: 8917
Ion Ratio Lower Upper
43 100
58 48.7 33.2 49.8



#53
t-1,3-Dichloropropene
Concen: 0.269 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

Tgt Ion: 75 Resp: 894
Ion Ratio Lower Upper
75 100
77 45.2 25.4 38.0#

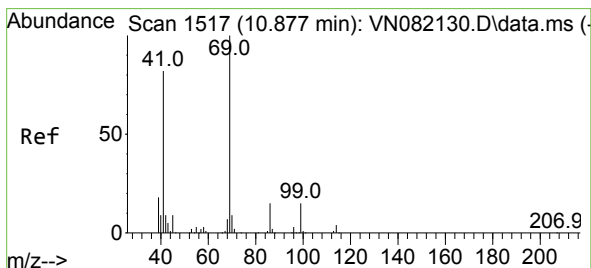
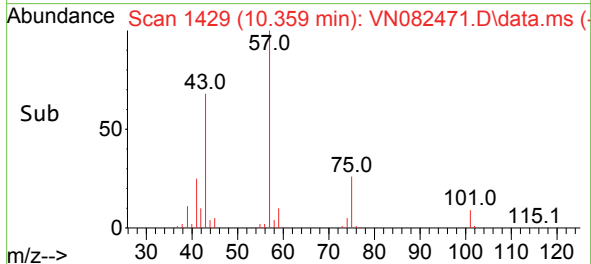
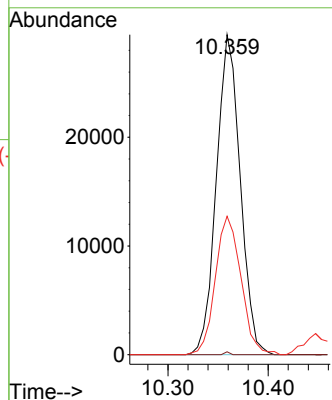
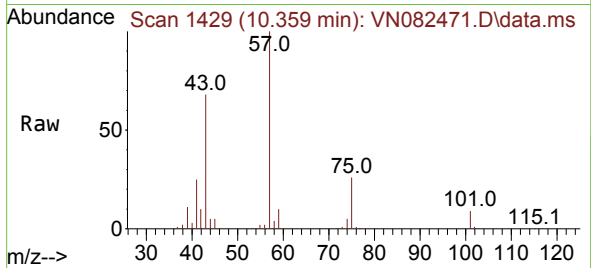




#54
cis-1,3-Dichloropropene
Concen: 13.825 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

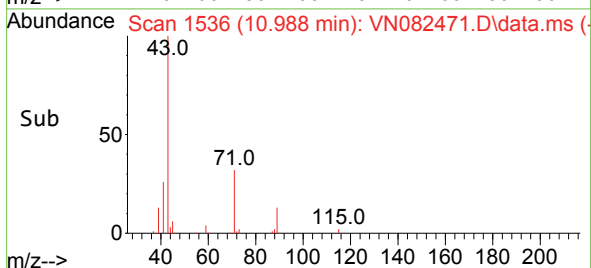
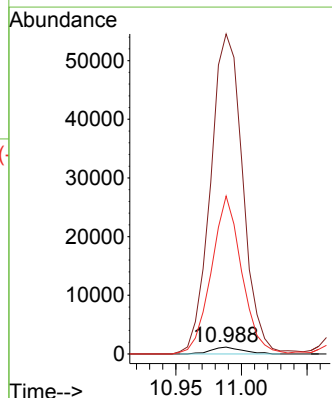
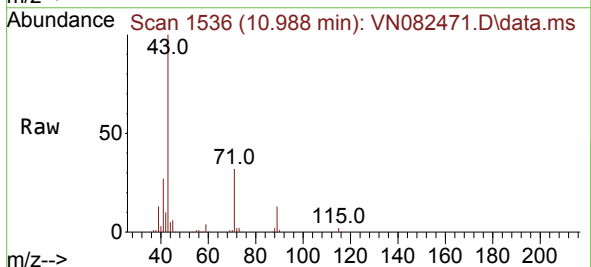
Instrument :
MSVOA_N
ClientSampleId :

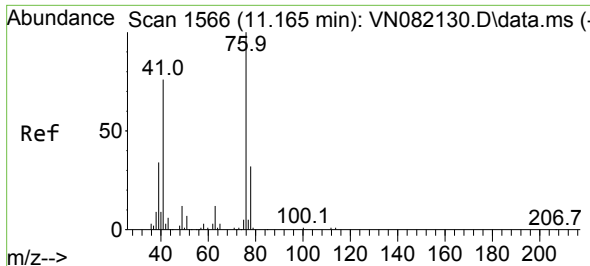
Tgt Ion: 75 Resp: 48658
Ion Ratio Lower Upper
75 100
77 0.9 25.0 37.4#
39 43.2 34.8 52.2



#56
Ethyl methacrylate
Concen: 0.586 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

Tgt Ion: 69 Resp: 1951
Ion Ratio Lower Upper
69 100
41 4792.6 46.6 70.0#
39 2223.0 26.5 39.7#

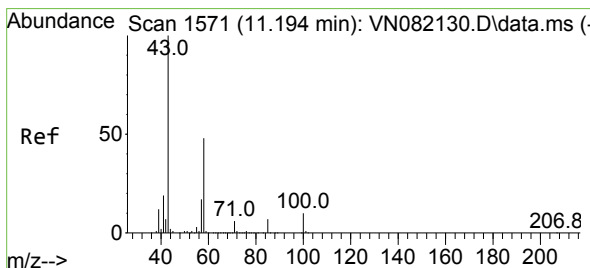
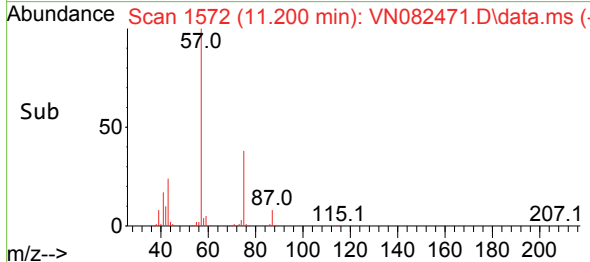
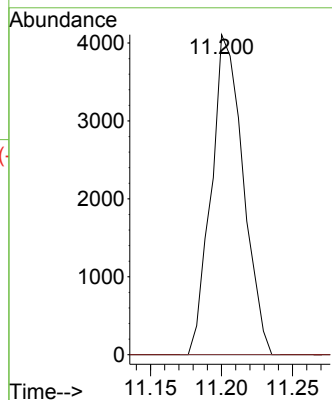
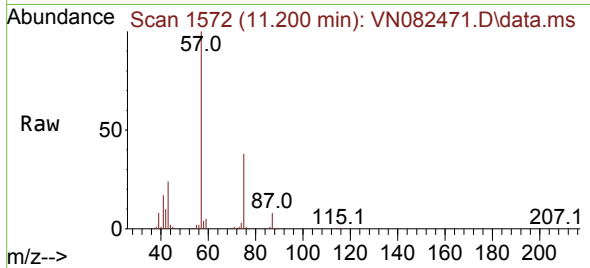




#57
1,3-Dichloropropane
Concen: 1.746 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

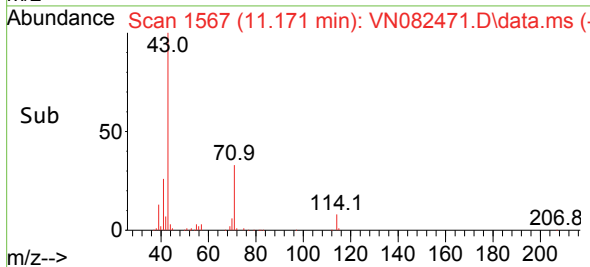
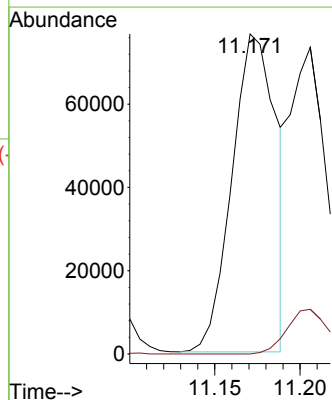
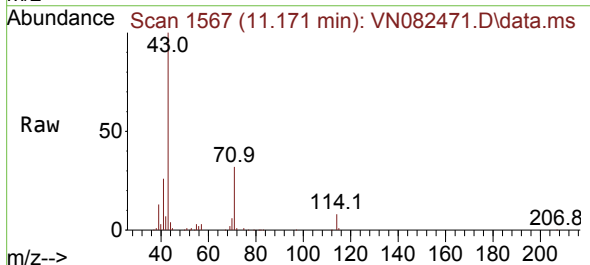
Instrument :
MSVOA_N
ClientSampleId :

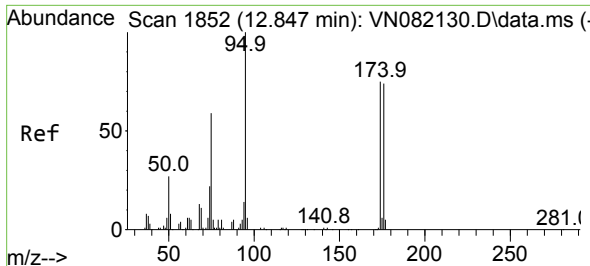
Tgt Ion: 76 Resp: 6400
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 55.423 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

Tgt Ion: 43 Resp: 137846
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#

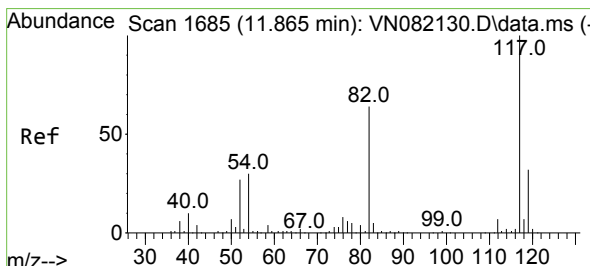
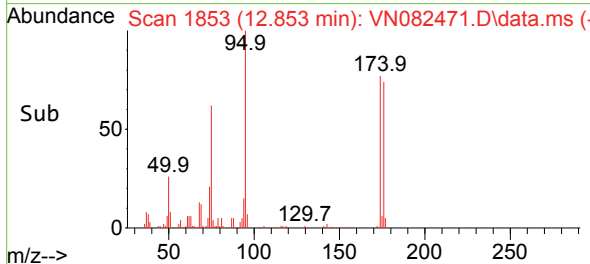
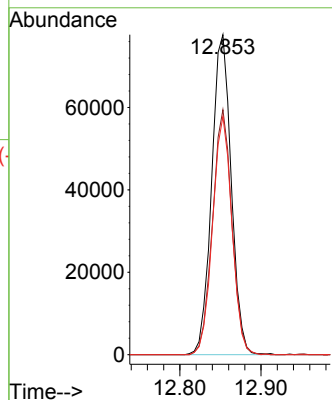
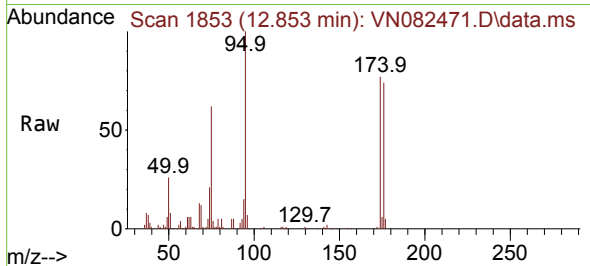




#62
4-Bromofluorobenzene
Concen: 52.725 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

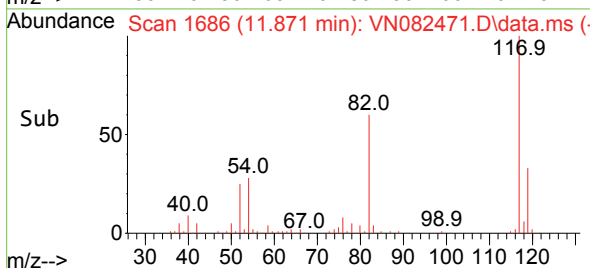
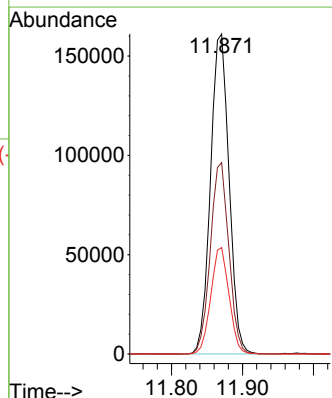
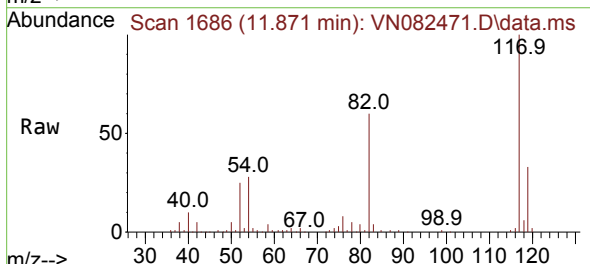
Instrument :
MSVOA_N
ClientSampleId :

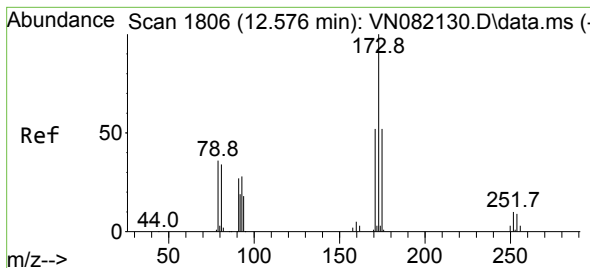
Tgt Ion: 95 Resp: 129697
Ion Ratio Lower Upper
95 100
174 76.1 0.0 160.6
176 73.5 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

Tgt Ion: 117 Resp: 291925
Ion Ratio Lower Upper
117 100
82 59.8 44.6 66.8
119 33.3 25.9 38.9





#71

Bromoform

Concen: 0.957 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN082471.D

Acq: 05 Jun 2024 15:25

Instrument :

MSVOA_N

ClientSampleId :

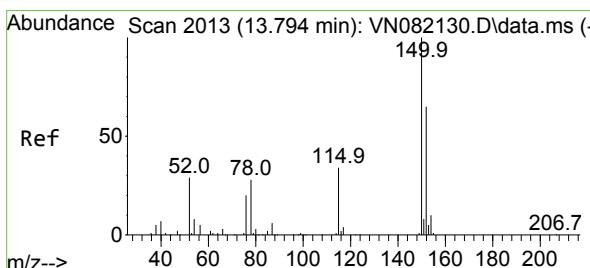
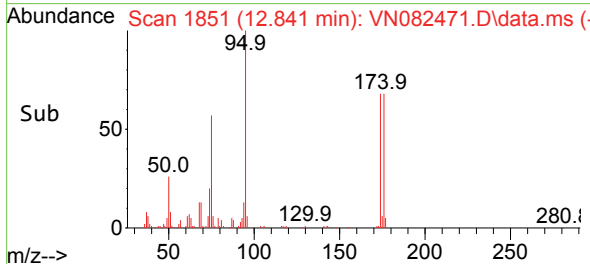
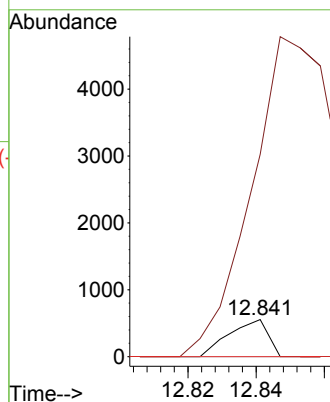
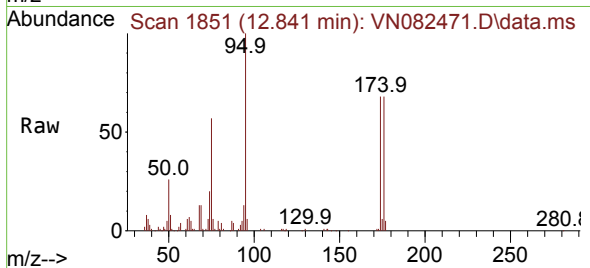
Tgt Ion:173 Resp: 439

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082471.D

Acq: 05 Jun 2024 15:25

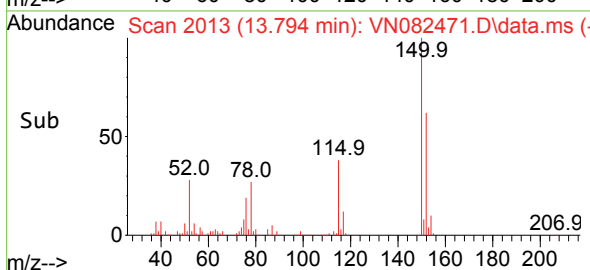
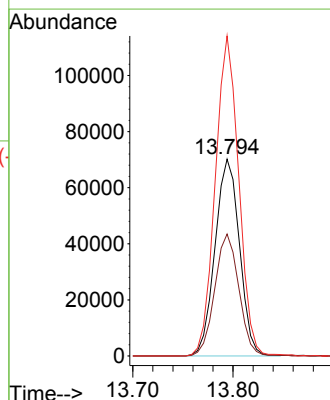
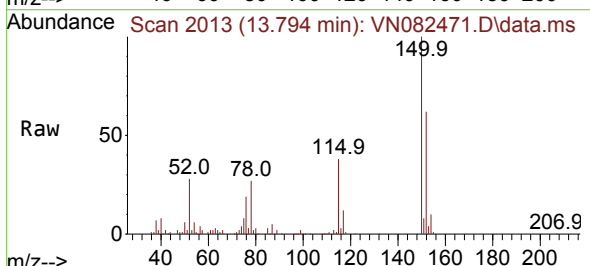
Tgt Ion:152 Resp: 119004

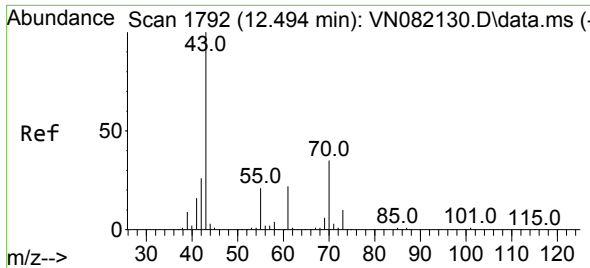
Ion Ratio Lower Upper

152 100

115 61.0 30.4 91.3

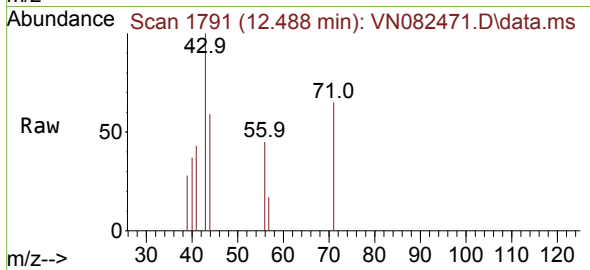
150 156.0 0.0 353.2



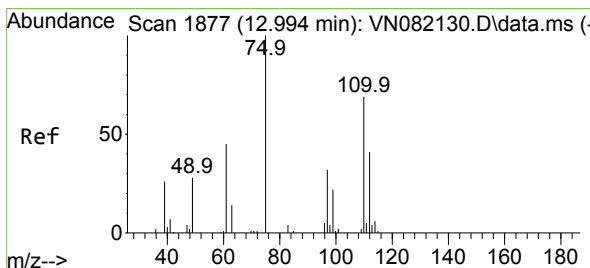
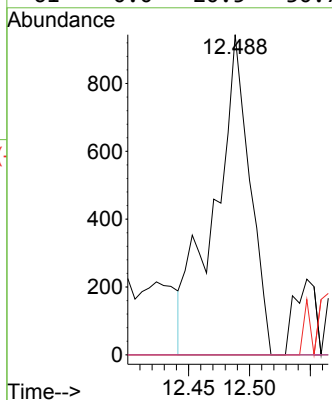
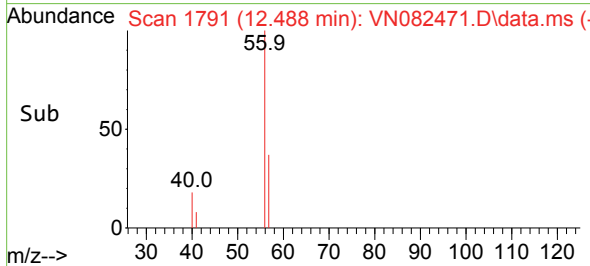


#74
N-amy1 acetate
Concen: 0.369 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

Instrument :
MSVOA_N
ClientSampleId :

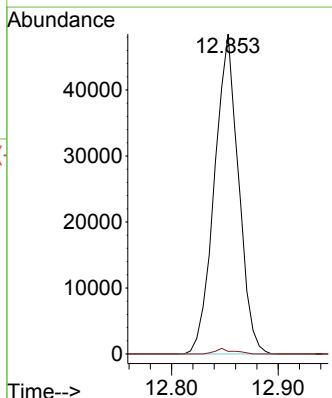
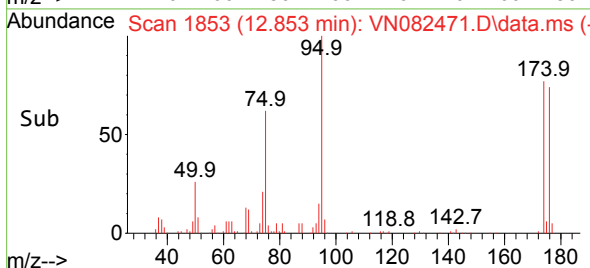
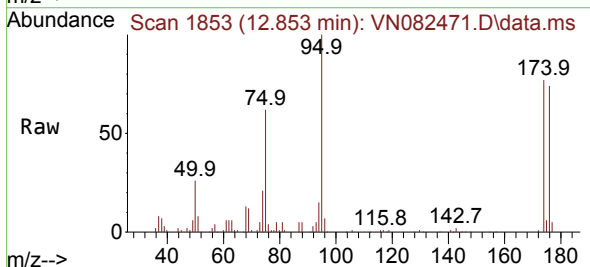


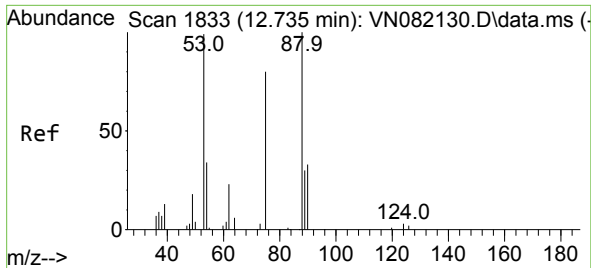
Tgt Ion: 43	Resp: 1917
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.4#
55	0.0 21.3 31.9#
61	0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 30.371 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082471.D
Acq: 05 Jun 2024 15:25

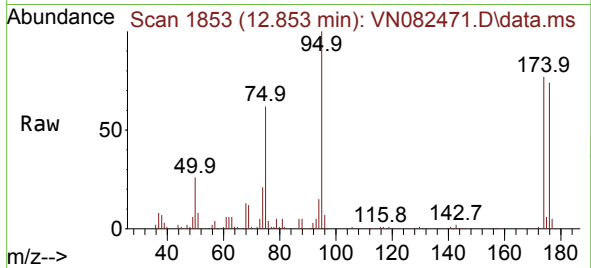
Tgt Ion: 75	Resp: 76071
Ion Ratio	Lower Upper
75	100
77	1.3 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.036 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082471.D
 Acq: 05 Jun 2024 15:25

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 76071
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.9 109.3#
 89 0.0 39.1 58.7#

