

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082719.D
 Acq On : 25 Jun 2024 15:46
 Operator : JC\MD
 Sample : PB161676ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 01:24:07 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)

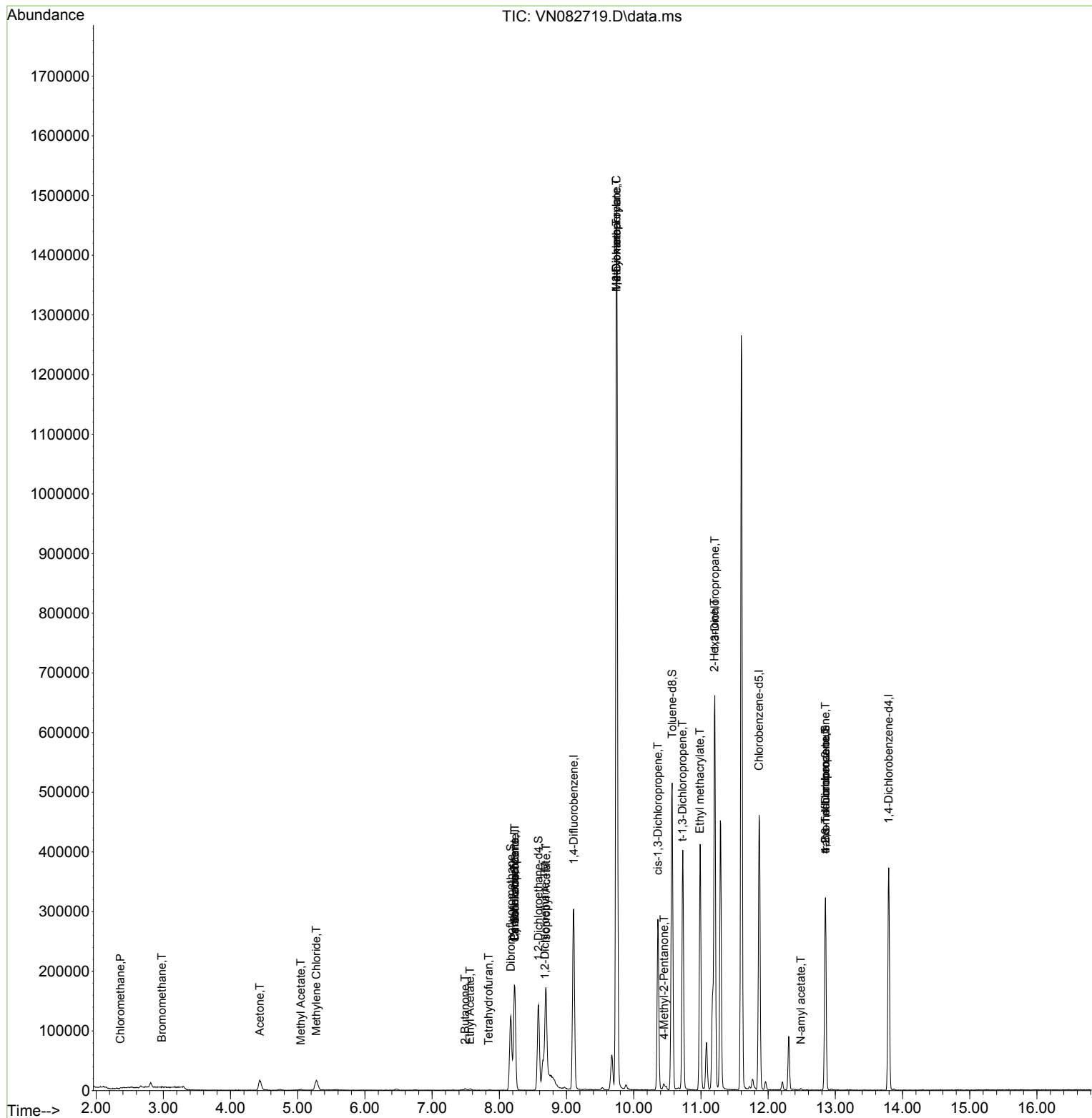
Internal Standards						
1) Pentafluorobenzene	8.224	168	122430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	241508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	116873	59.528	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.060%			
35) Dibromofluoromethane	8.171	113	87590	53.462	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.920%			
50) Toluene-d8	10.571	98	333019	53.750	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.500%			
62) 4-Bromofluorobenzene	12.853	95	101414	47.477	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 94.960%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	434	0.212	ug/l #	43
5) Bromomethane	2.977	94	536	0.427	ug/l #	77
16) Acetone	4.436	43	33330	37.328	ug/l	92
18) Methyl Acetate	5.048	43	3091	1.415	ug/l #	66
20) Methylene Chloride	5.277	84	11835	7.539	ug/l	91
25) 2-Butanone	7.489	43	4766	3.755	ug/l #	81
29) Tetrahydrofuran	7.841	42	194	0.250	ug/l #	38
31) Cyclohexane	8.224	56	3783	1.335	ug/l #	21
36) 1,1-Dichloropropene	8.230	75	11312	4.619	ug/l #	50
37) Ethyl Acetate	7.565	43	4229	1.356	ug/l #	89
38) Carbon Tetrachloride	8.230	117	13548	4.908	ug/l #	19
42) 1,2-Dichloroethane	8.677	62	912	0.317	ug/l #	78
43) Isopropyl Acetate	8.694	43	245795	42.157	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	1682	0.863	ug/l #	44
48) Methyl methacrylate	9.741	41	151181	62.899	ug/l #	51
49) 1,4-Dioxane	9.741	88	148	3.937	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	8302	2.776	ug/l	89
53) t-1,3-Dichloropropene	10.724	75	780	0.271	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	42346	14.229	ug/l #	72
56) Ethyl methacrylate	10.982	69	2164	0.787	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6053	1.972	ug/l #	43
59) 2-Hexanone	11.200	43	101347	44.589	ug/l #	54
74) N-amyl acetate	12.488	43	1313	0.347	ug/l #	50
76) 1,2,3-Trichloropropane	12.853	75	59357	25.971	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	59357	62.134	ug/l #	6

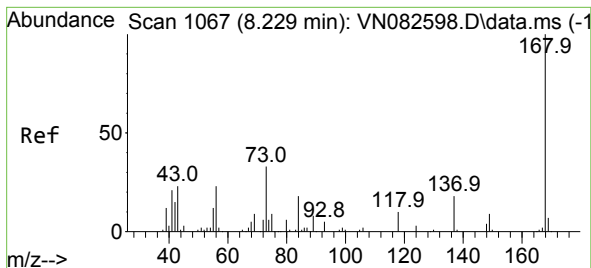
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.005 min

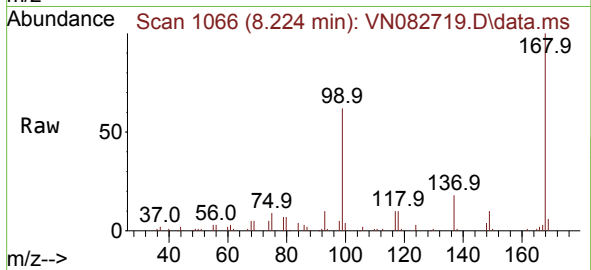
Lab File: VN082719.D

Acq: 25 Jun 2024 15:46

Instrument :

MSVOA_N

ClientSampleId :

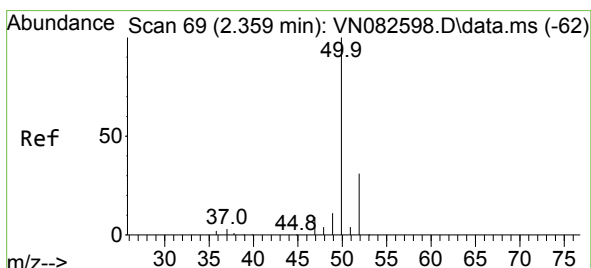
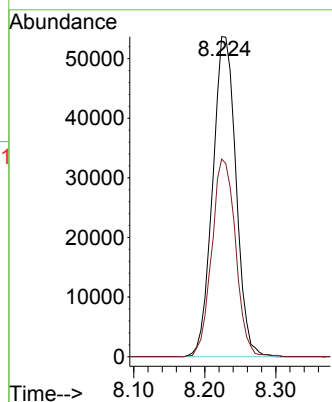
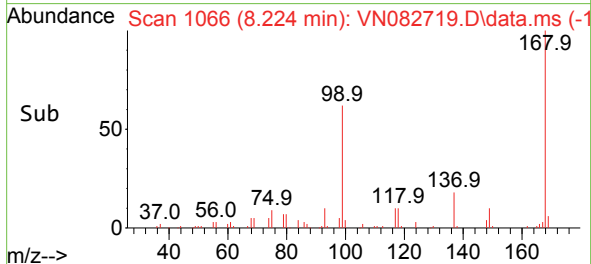


Tgt Ion:168 Resp: 122430

Ion Ratio Lower Upper

168 100

99 61.7 48.2 72.4



#3

Chloromethane

Concen: 0.212 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN082719.D

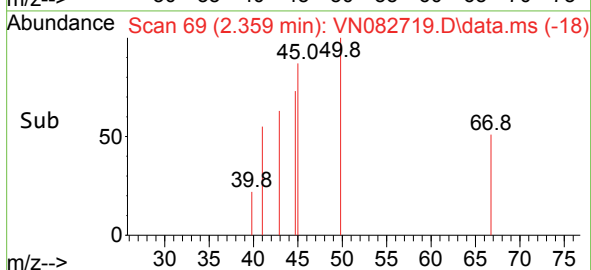
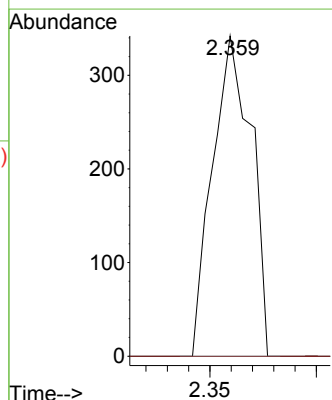
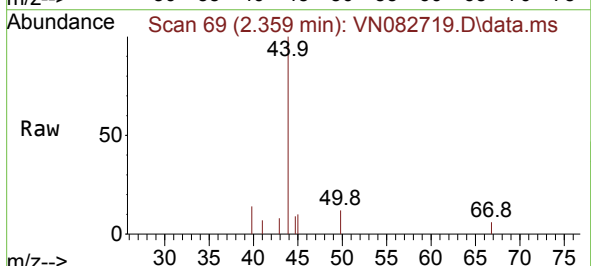
Acq: 25 Jun 2024 15:46

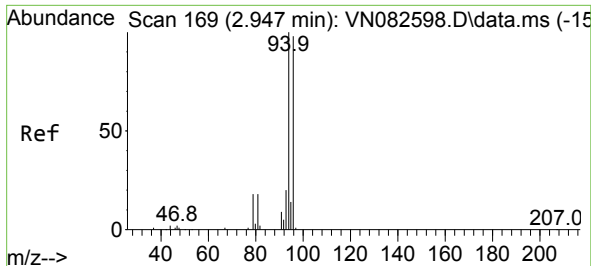
Tgt Ion: 50 Resp: 434

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

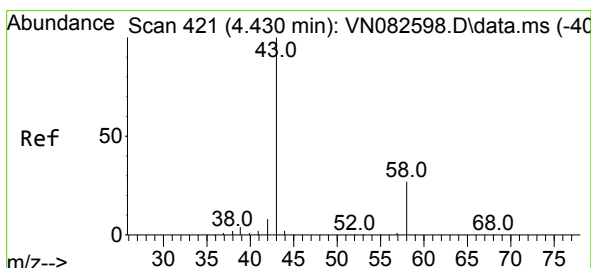
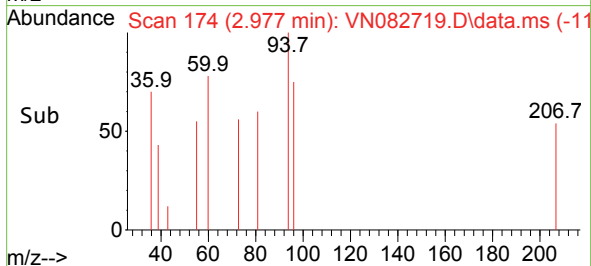
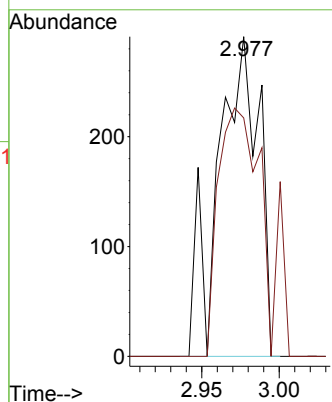
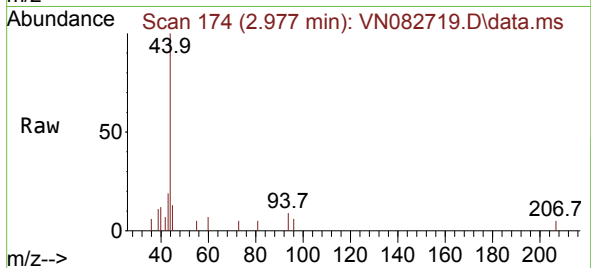




#5
Bromomethane
Concen: 0.427 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

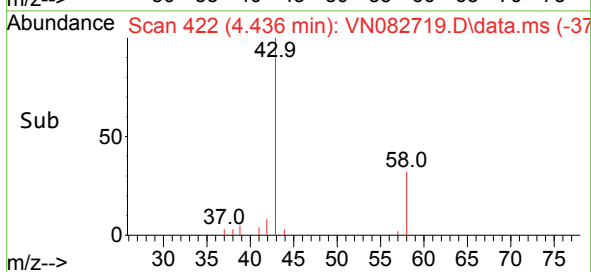
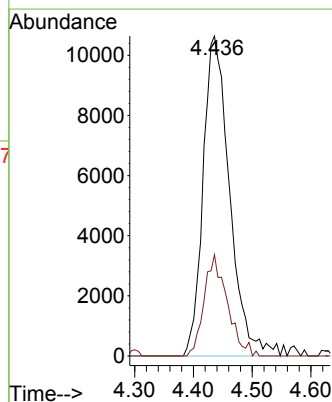
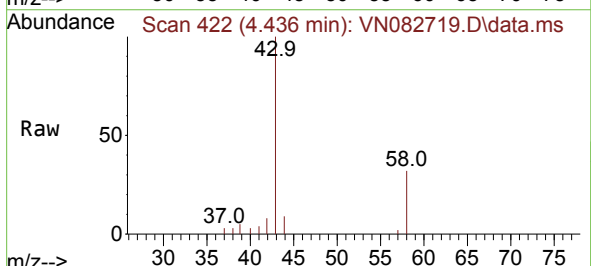
Instrument :
MSVOA_N
ClientSampleId :

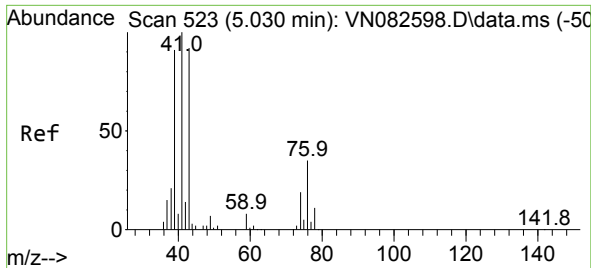
Tgt Ion: 94 Resp: 536
Ion Ratio Lower Upper
94 100
96 74.6 78.0 117.0#



#16
Acetone
Concen: 37.328 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

Tgt Ion: 43 Resp: 33330
Ion Ratio Lower Upper
43 100
58 31.6 21.8 32.6

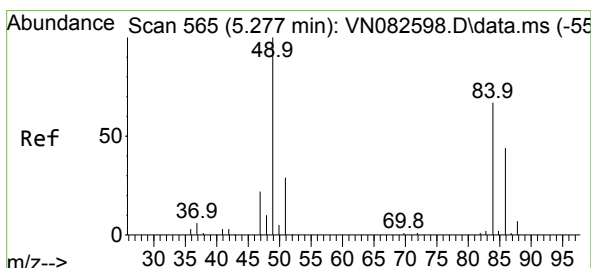
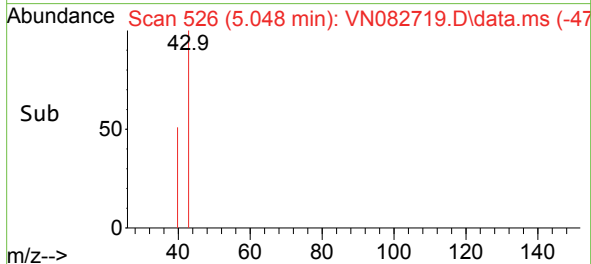
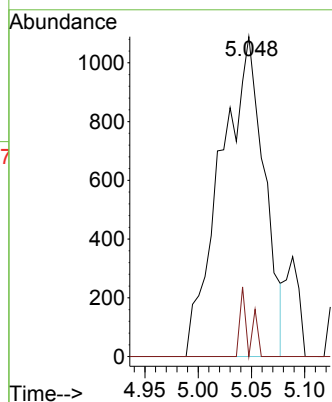
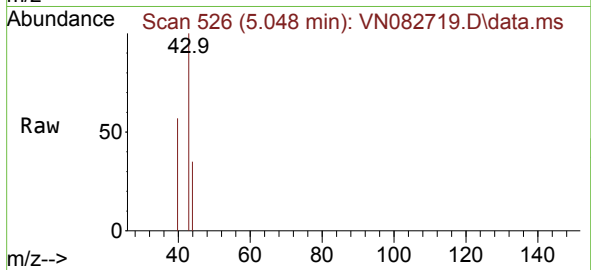




#18
Methyl Acetate
Concen: 1.415 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

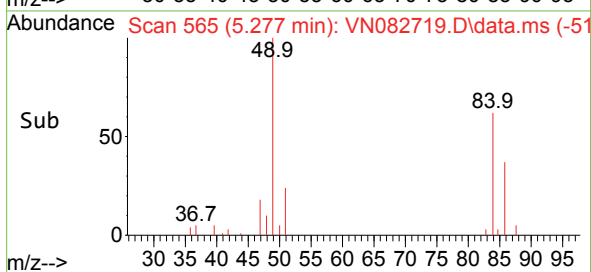
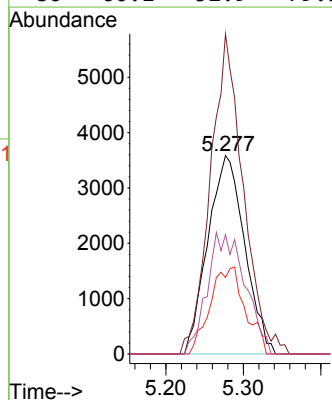
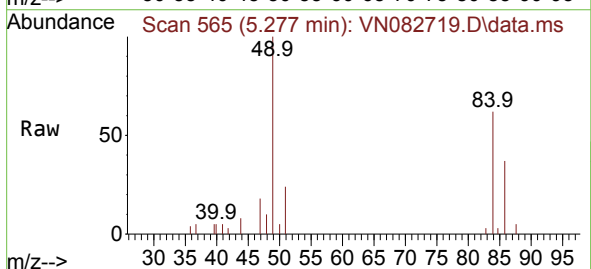
Instrument :
MSVOA_N
ClientSampleId :

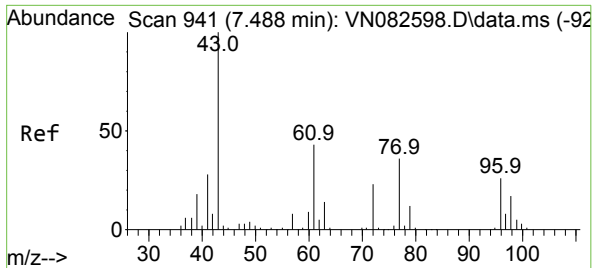
Tgt Ion: 43 Resp: 3091
Ion Ratio Lower Upper
43 100
74 4.5 16.3 24.5#



#20
Methylene Chloride
Concen: 7.539 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

Tgt Ion: 84 Resp: 11835
Ion Ratio Lower Upper
84 100
49 161.2 119.6 179.4
51 38.6 34.8 52.2
86 60.1 52.9 79.3

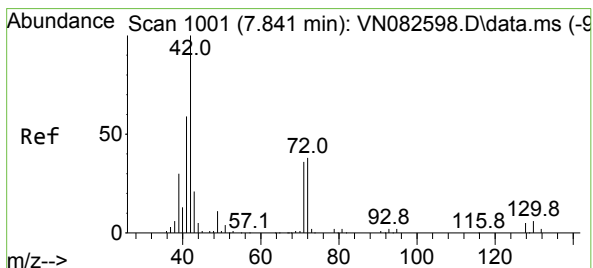
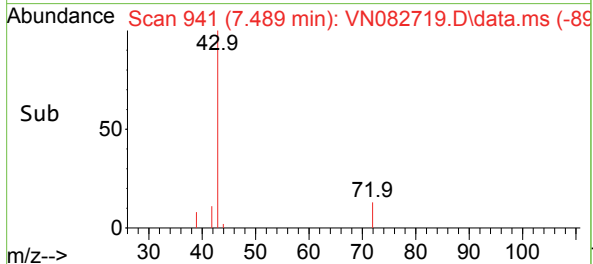
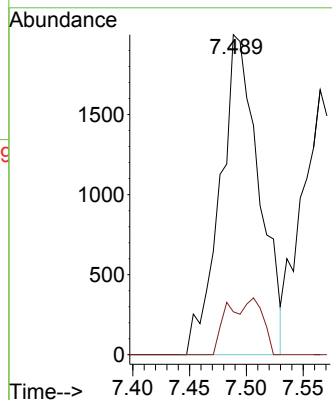
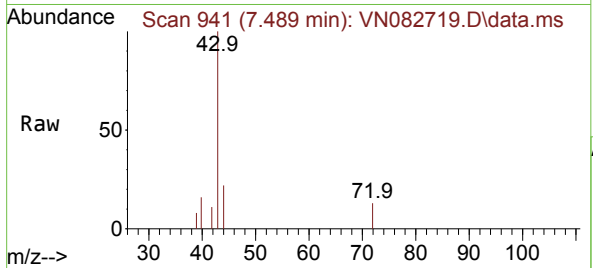




#25
2-Butanone
Concen: 3.755 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

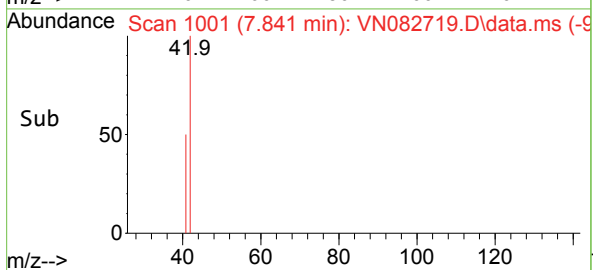
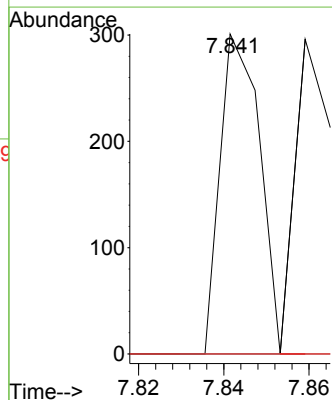
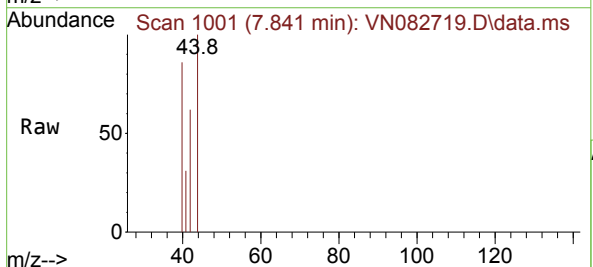
Instrument :
MSVOA_N
ClientSampleId :

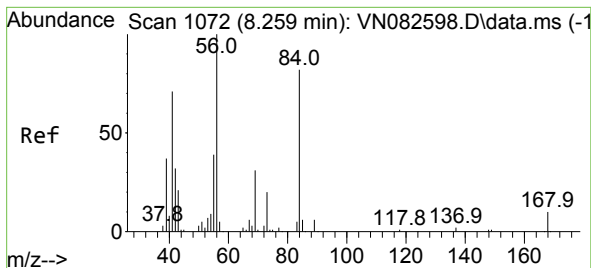
Tgt Ion: 43 Resp: 4766
Ion Ratio Lower Upper
43 100
72 13.4 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.250 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

Tgt Ion: 42 Resp: 194
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#





#31

Cyclohexane

Concen: 1.335 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

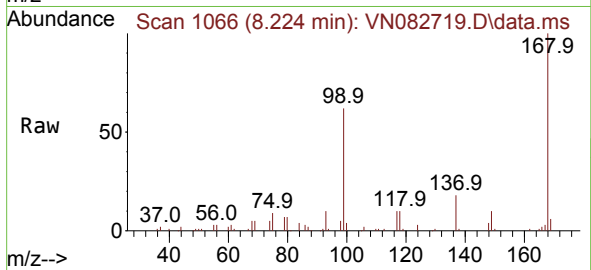
Lab File: VN082719.D

Acq: 25 Jun 2024 15:46

Instrument :

MSVOA_N

ClientSampleId :



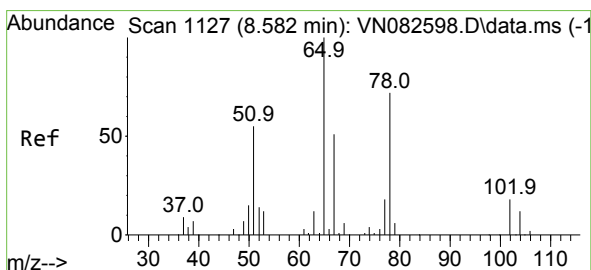
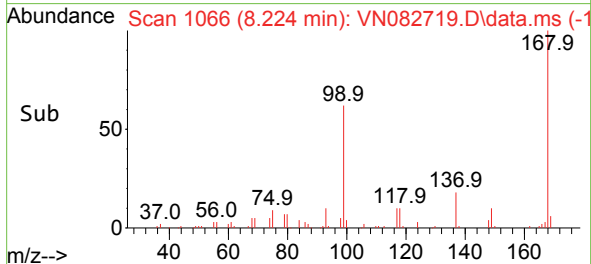
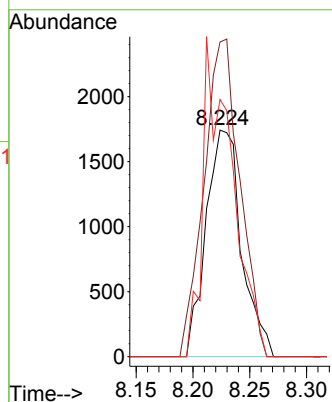
Tgt Ion: 56 Resp: 3783

Ion Ratio Lower Upper

56 100

69 139.0 24.5 36.7#

84 113.5 66.0 99.0#



#33

1,2-Dichloroethane-d4

Concen: 59.528 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082719.D

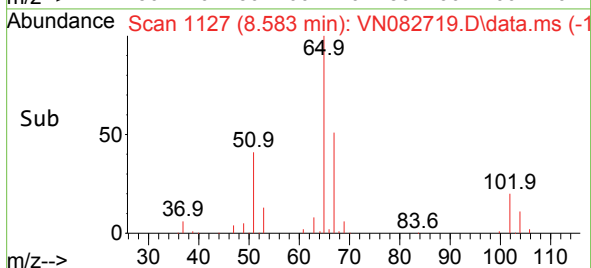
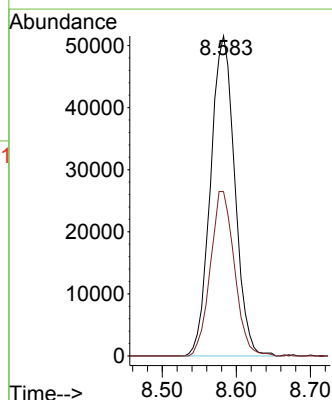
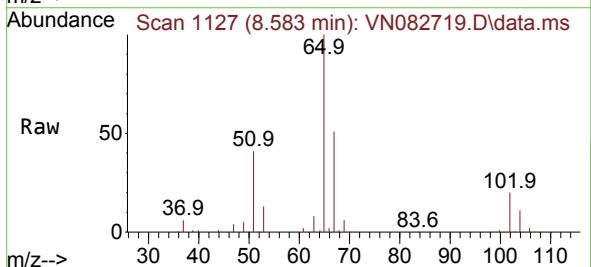
Acq: 25 Jun 2024 15:46

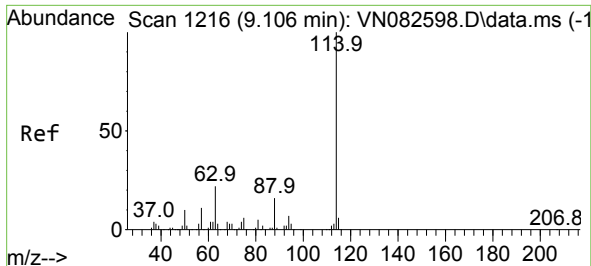
Tgt Ion: 65 Resp: 116873

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

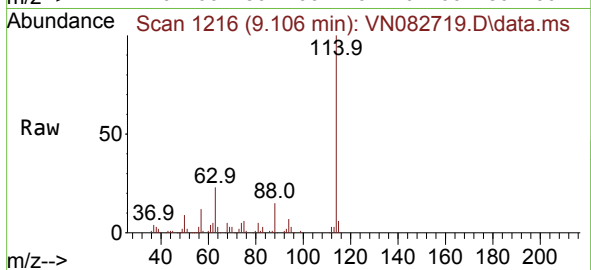
Lab File: VN082719.D

Acq: 25 Jun 2024 15:46

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MSVOA_N

ClientSampleId :



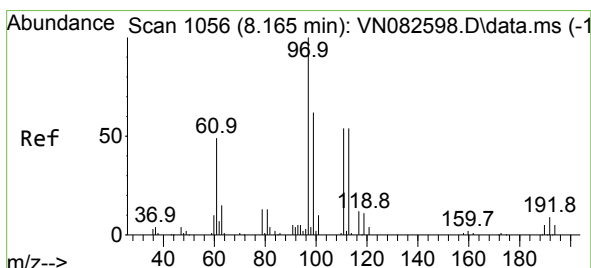
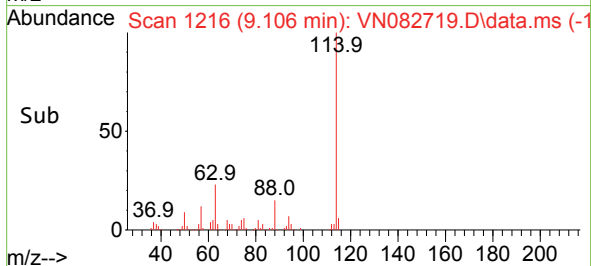
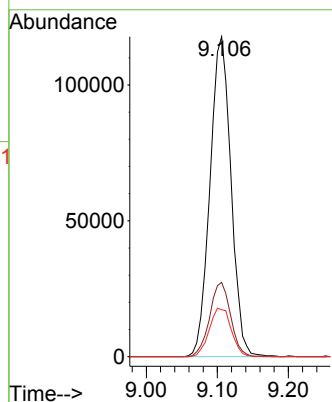
Tgt Ion:114 Resp: 241508

Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.6

88 14.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.462 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082719.D

Acq: 25 Jun 2024 15:46

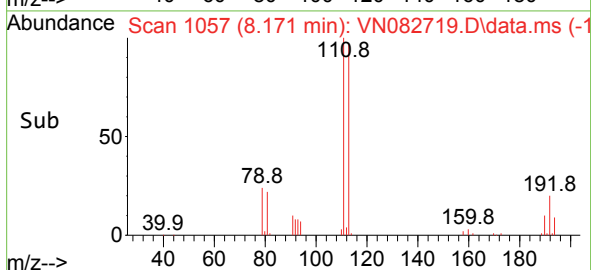
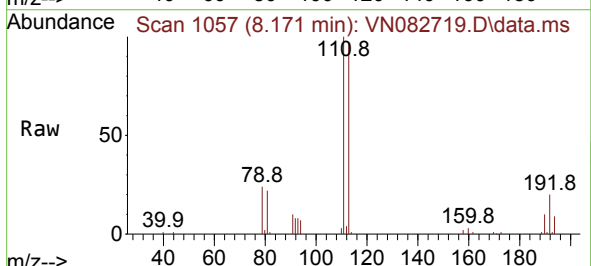
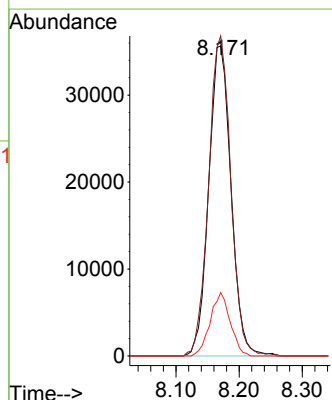
Tgt Ion:113 Resp: 87590

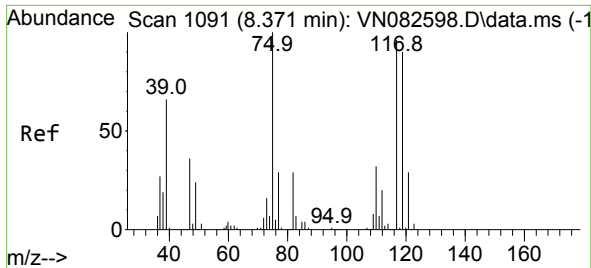
Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

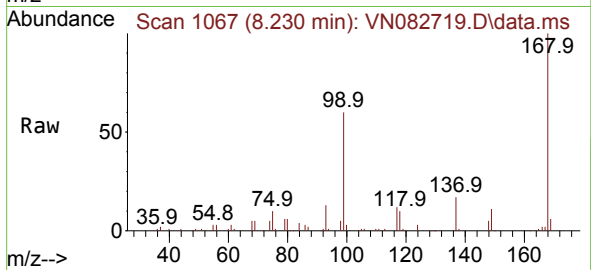
192 18.3 14.9 22.3



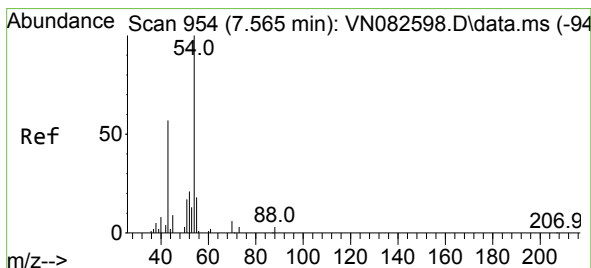
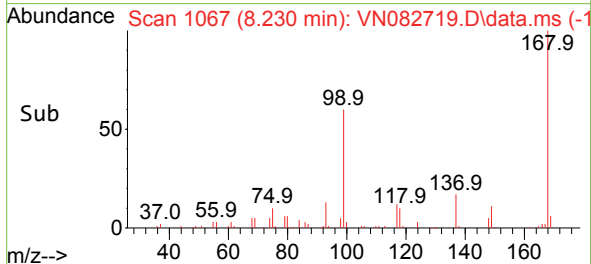
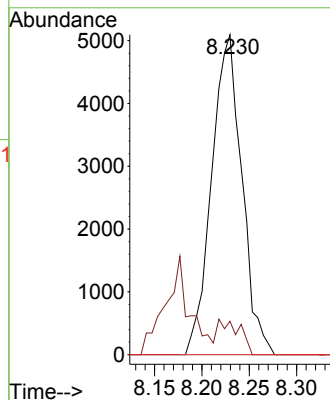


#36
1,1-Dichloropropene
Concen: 4.619 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

Instrument :
MSVOA_N
ClientSampleId :

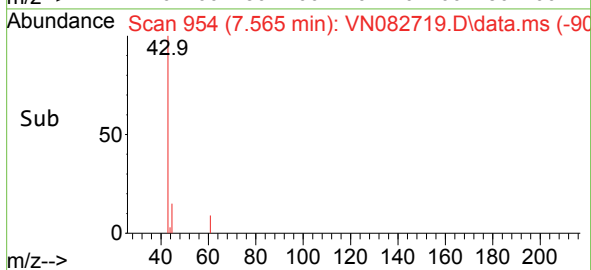
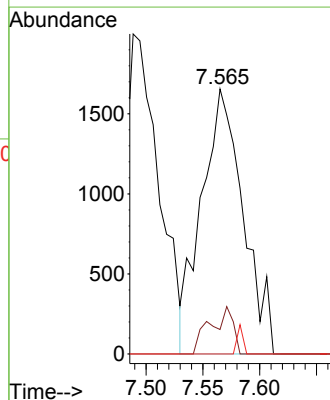
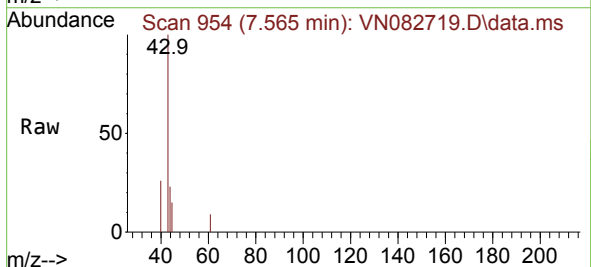


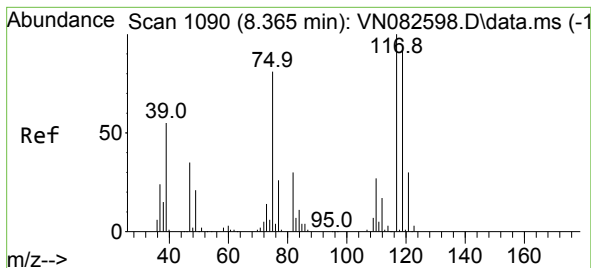
Tgt Ion: 75 Resp: 11312
Ion Ratio Lower Upper
75 100
110 8.0 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.356 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.000 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

Tgt Ion: 43 Resp: 4229
Ion Ratio Lower Upper
43 100
61 9.8 9.3 13.9
70 1.5 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 4.908 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.135 min

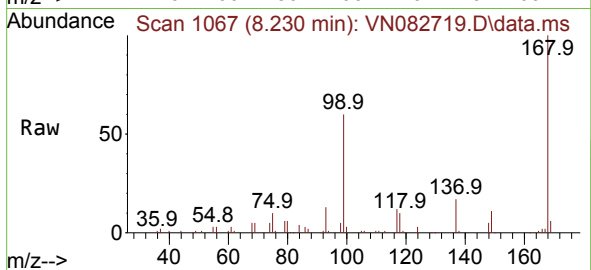
Lab File: VN082719.D

Acq: 25 Jun 2024 15:46

Instrument :

MSVOA_N

ClientSampleId :



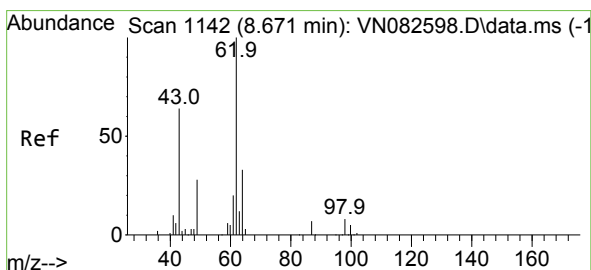
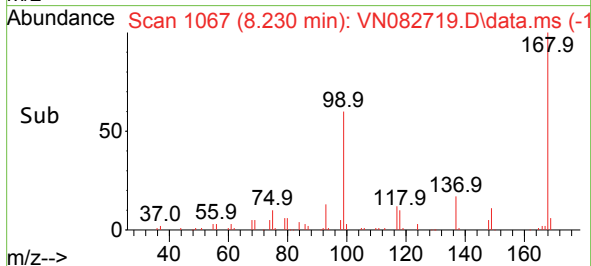
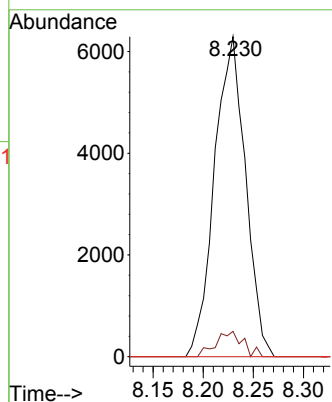
Tgt Ion:117 Resp: 13548

Ion Ratio Lower Upper

117 100

119 7.9 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.317 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN082719.D

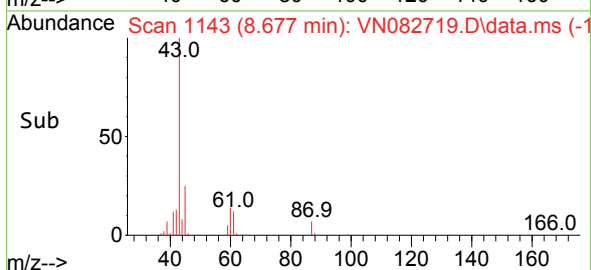
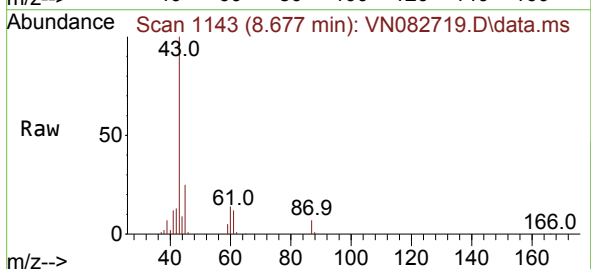
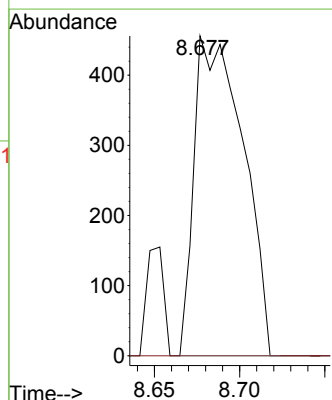
Acq: 25 Jun 2024 15:46

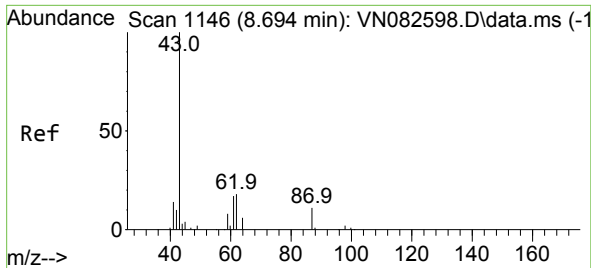
Tgt Ion: 62 Resp: 912

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8

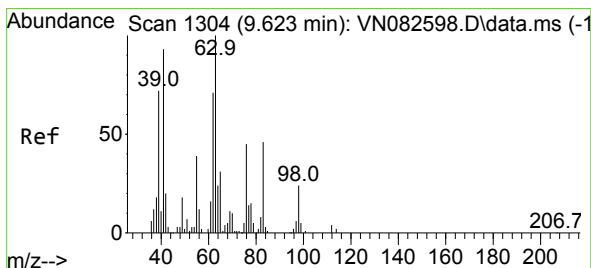
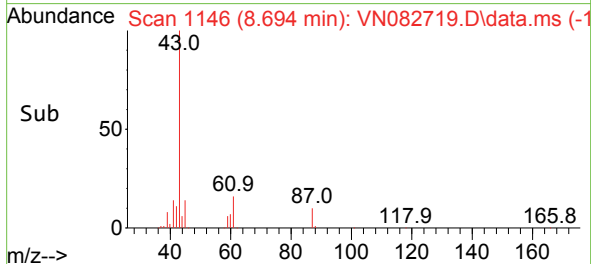
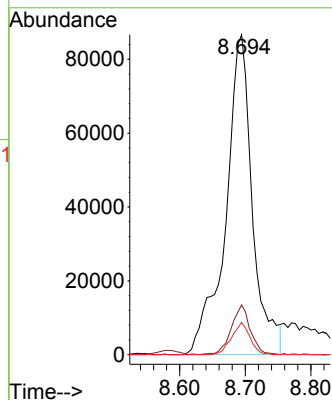
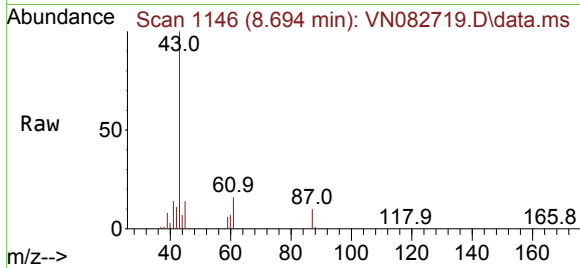




#43
Isopropyl Acetate
Concen: 42.157 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

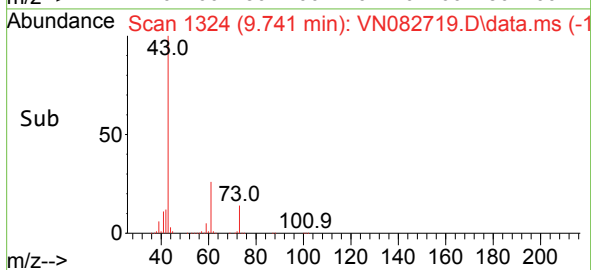
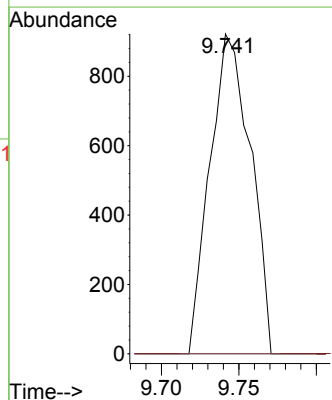
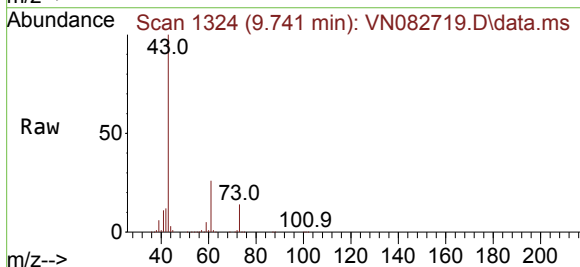
Instrument :
MSVOA_N
ClientSampleId :

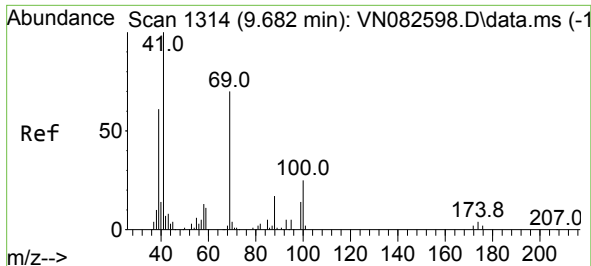
Tgt Ion: 43 Resp: 245795
Ion Ratio Lower Upper
43 100
61 11.1 17.8 26.6#
87 6.9 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.863 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

Tgt Ion: 63 Resp: 1682
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

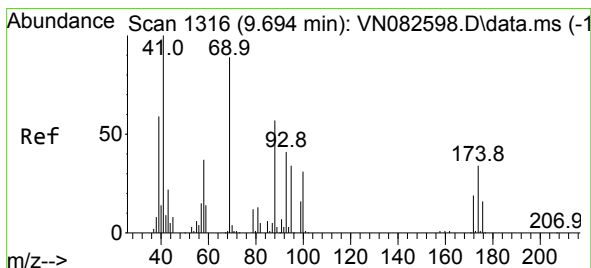
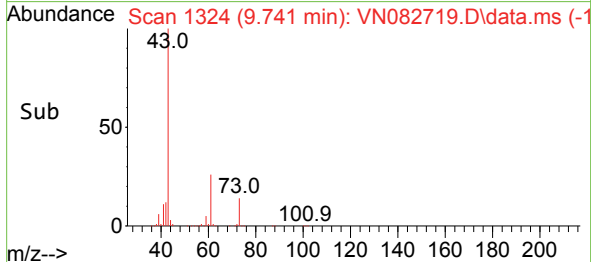
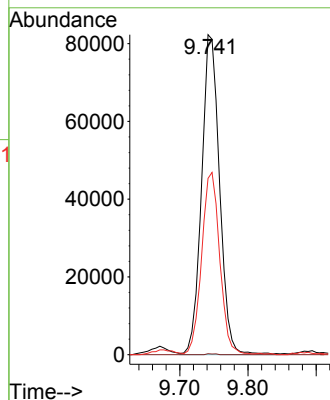
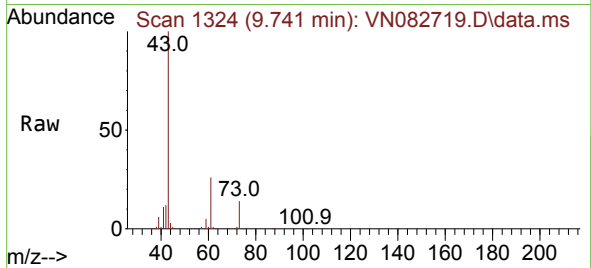




#48
Methyl methacrylate
Concen: 62.899 ug/l
RT: 9.741 min Scan# 1314
Delta R.T. 0.059 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

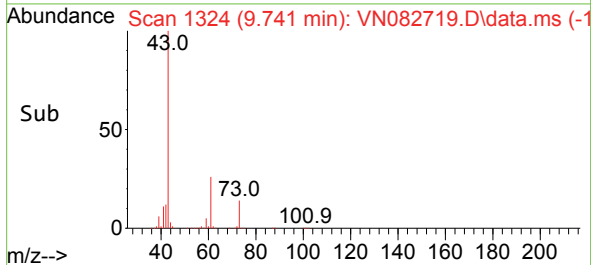
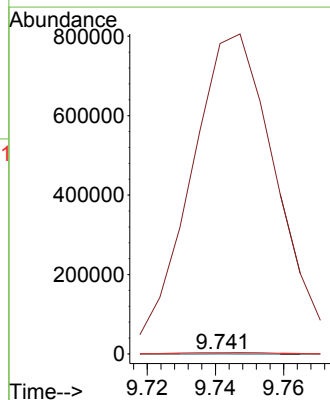
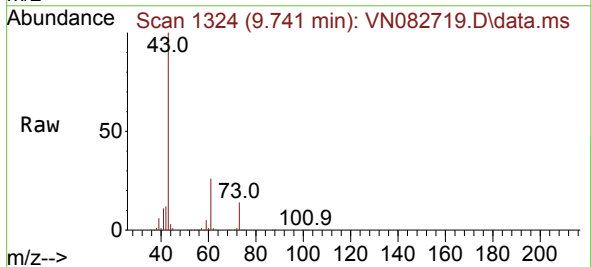
Instrument :
MSVOA_N
ClientSampleId :

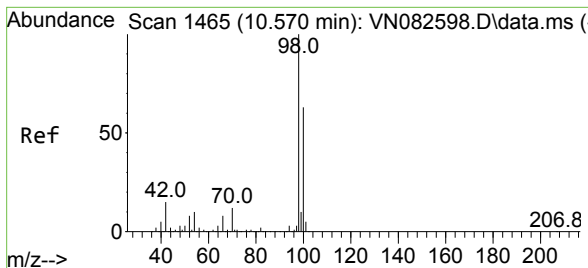
Tgt Ion: 41 Resp: 151181
Ion Ratio Lower Upper
41 100
69 0.1 56.3 84.5#
39 56.6 50.3 75.5



#49
1,4-Dioxane
Concen: 3.937 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

Tgt Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
43 968079.1 27.8 41.8#
58 4907.4 59.4 89.0#

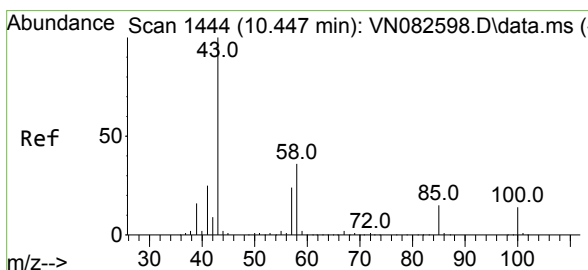
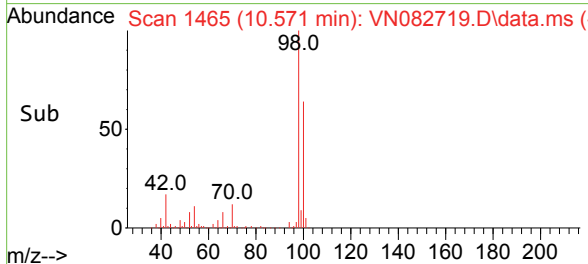
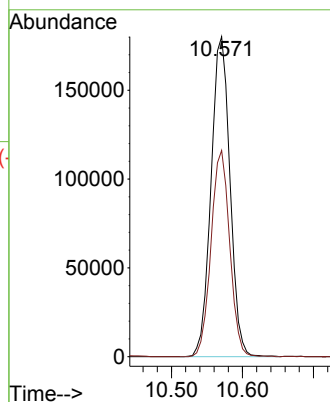
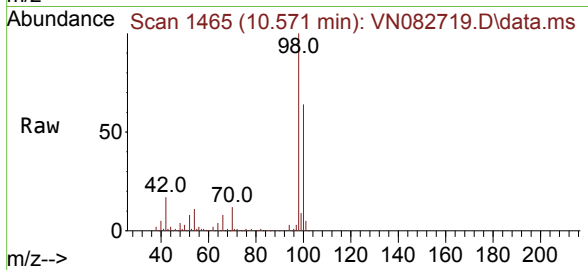




#50
Toluene-d8
Concen: 53.750 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

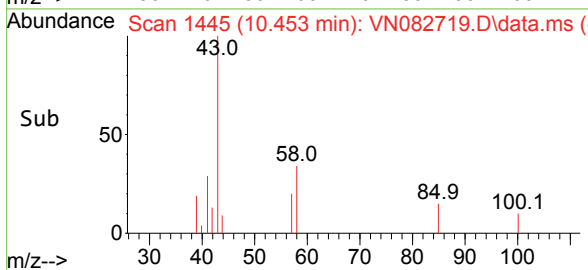
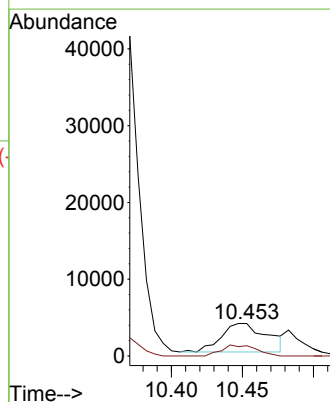
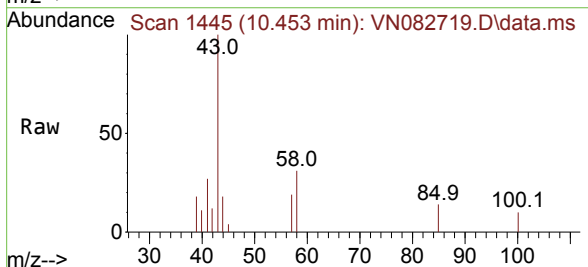
Instrument :
MSVOA_N
ClientSampleId :

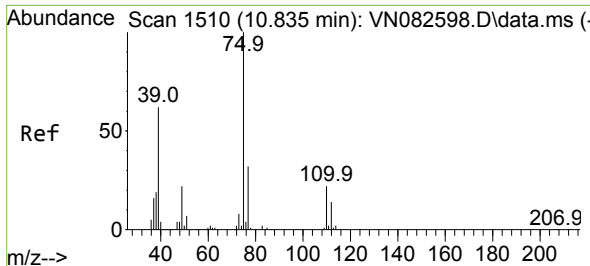
Tgt Ion: 98 Resp: 333019
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.776 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

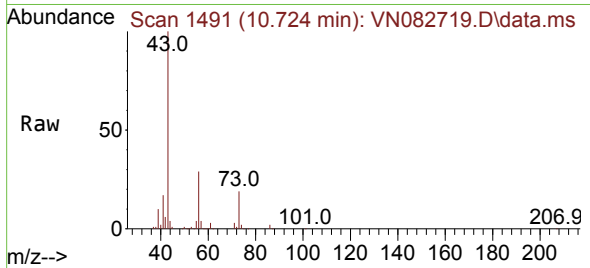
Tgt Ion: 43 Resp: 8302
Ion Ratio Lower Upper
43 100
58 28.8 28.2 42.4



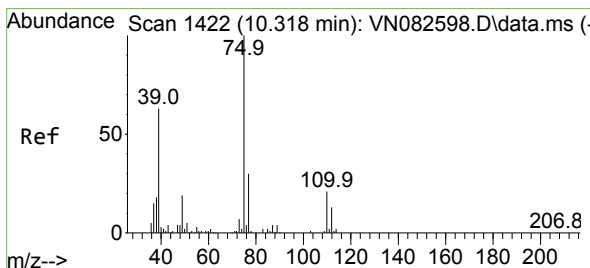
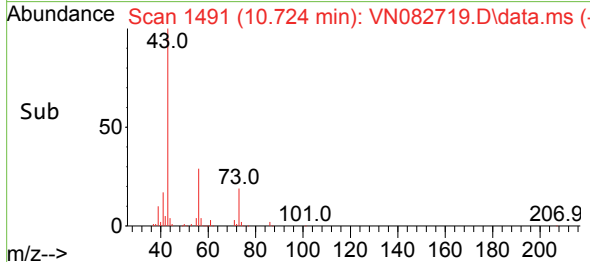
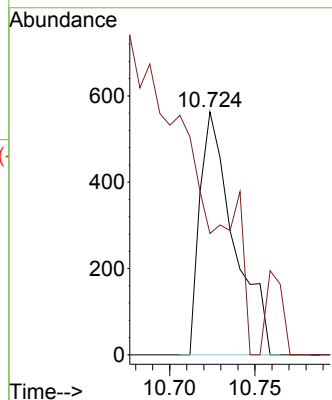


#53
 t-1,3-Dichloropropene
 Concen: 0.271 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN082719.D
 Acq: 25 Jun 2024 15:46

Instrument :
 MSVOA_N
 ClientSampleId :

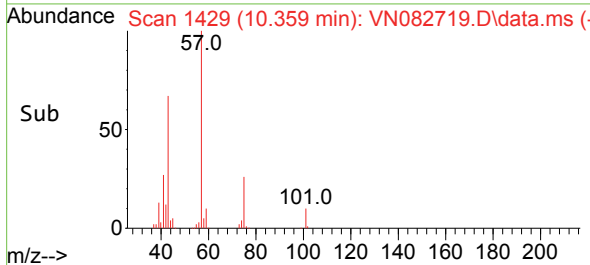
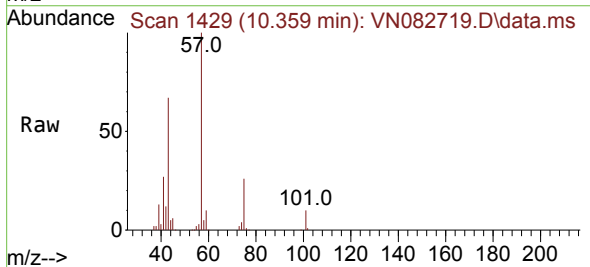
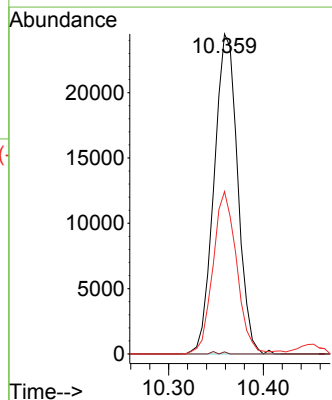


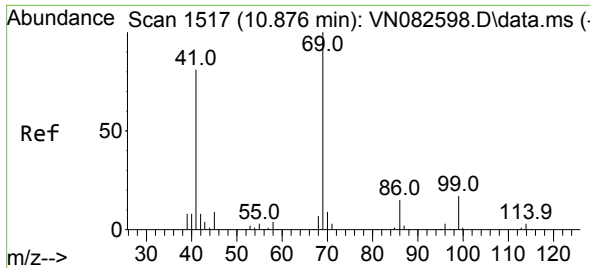
Tgt Ion: 75 Resp: 780
 Ion Ratio Lower Upper
 75 100
 77 20.8 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.229 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN082719.D
 Acq: 25 Jun 2024 15:46

Tgt Ion: 75 Resp: 42346
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.3 36.5#
 39 50.8 50.5 75.7

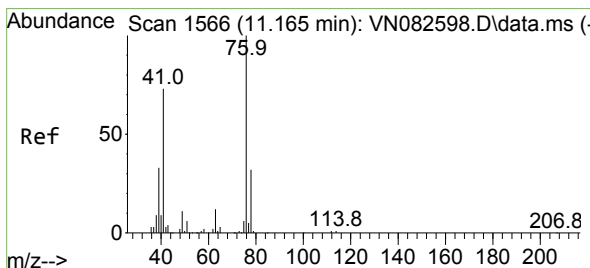
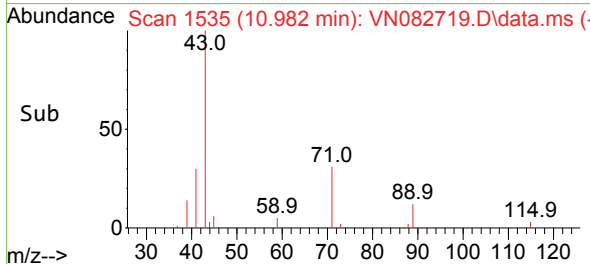
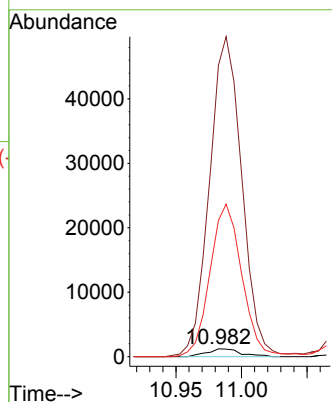
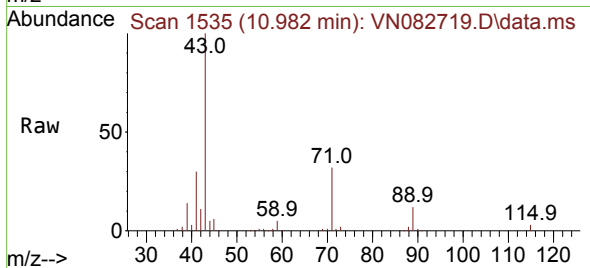




#56
Ethyl methacrylate
Concen: 0.787 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

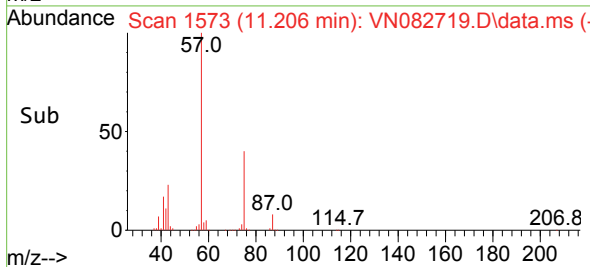
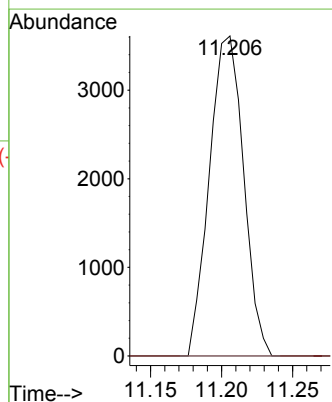
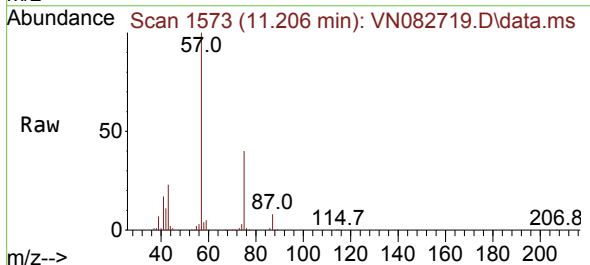
Instrument :
MSVOA_N
ClientSampleId :

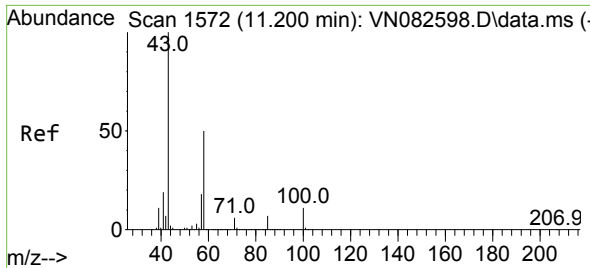
Tgt Ion: 69 Resp: 2164
Ion Ratio Lower Upper
69 100
41 3931.3 63.4 95.2#
39 1861.0 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.972 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

Tgt Ion: 76 Resp: 6053
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

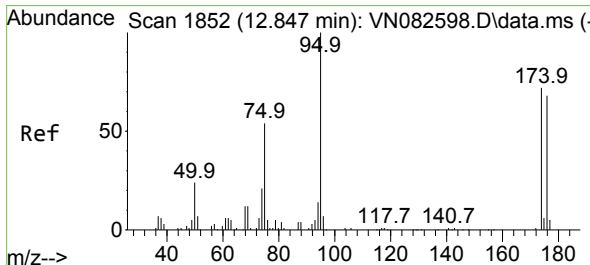
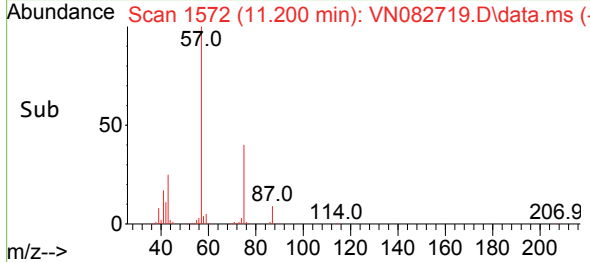
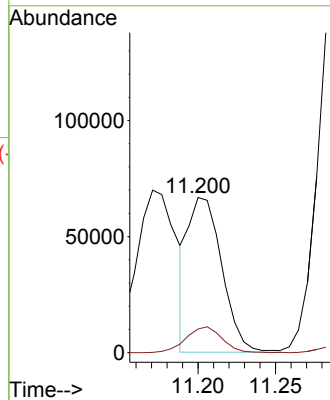
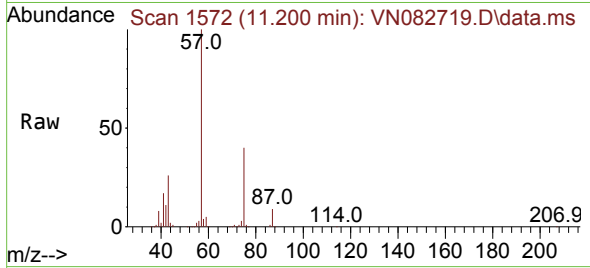




#59
2-Hexanone
Concen: 44.589 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

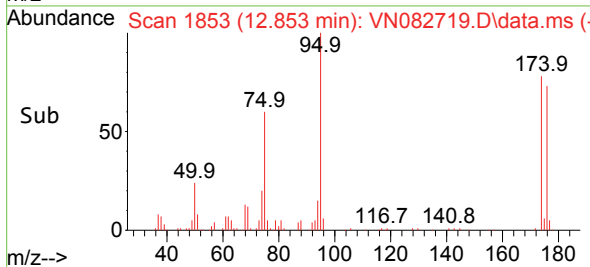
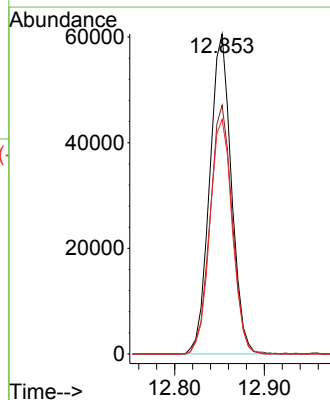
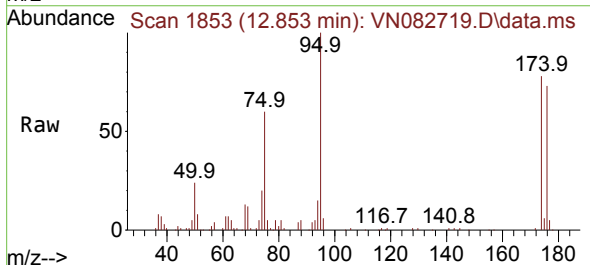
Instrument :
MSVOA_N
ClientSampleId :

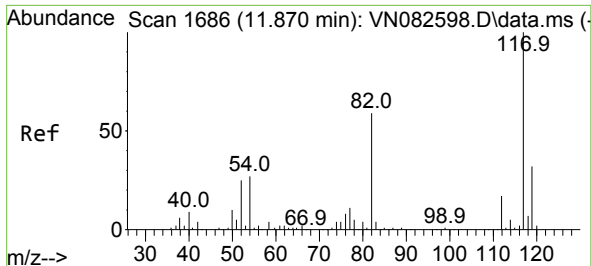
Tgt Ion: 43 Resp: 101347
Ion Ratio Lower Upper
43 100
58 17.9 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 47.477 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

Tgt Ion: 95 Resp: 101414
Ion Ratio Lower Upper
95 100
174 79.6 0.0 159.2
176 75.9 0.0 147.6

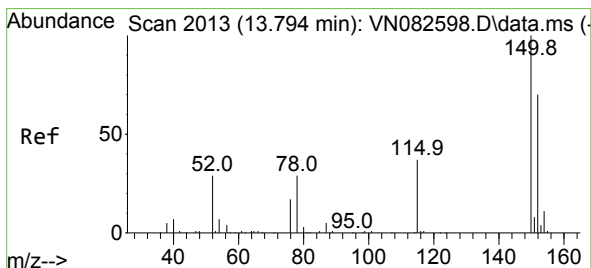
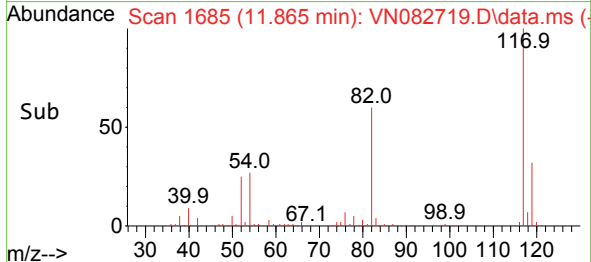
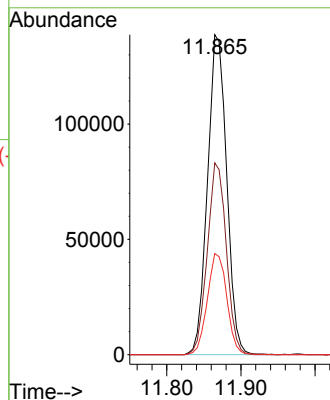
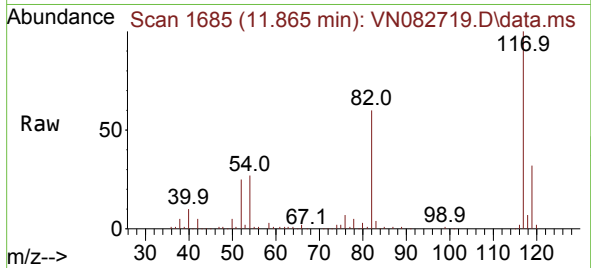




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

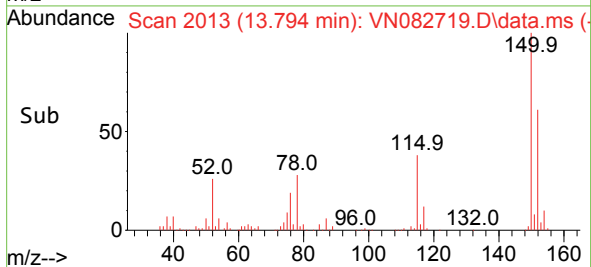
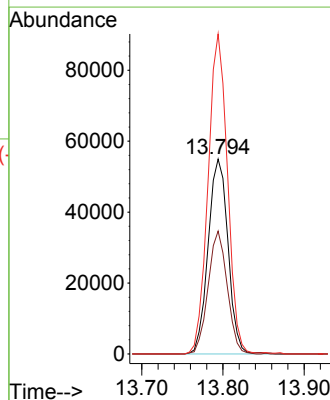
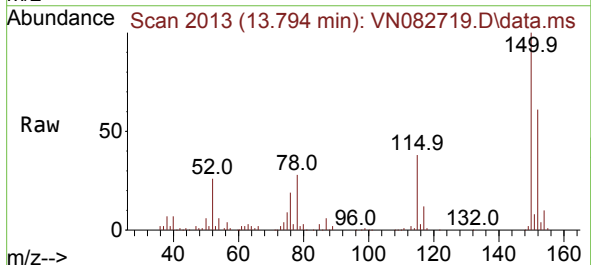
Instrument :
MSVOA_N
ClientSampleId :

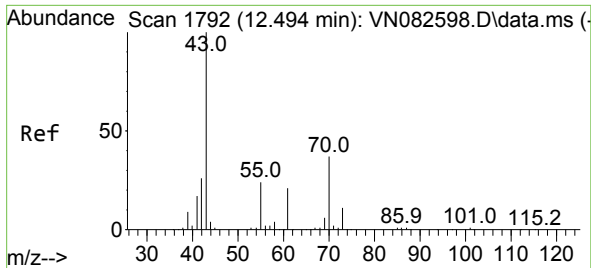
Tgt Ion:117 Resp: 249101
Ion Ratio Lower Upper
117 100
82 59.9 47.5 71.3
119 31.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

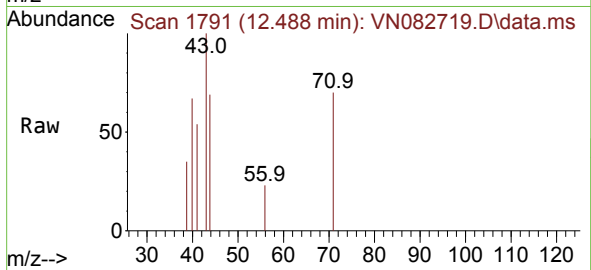
Tgt Ion:152 Resp: 93444
Ion Ratio Lower Upper
152 100
115 60.5 30.6 91.6
150 160.4 0.0 348.6



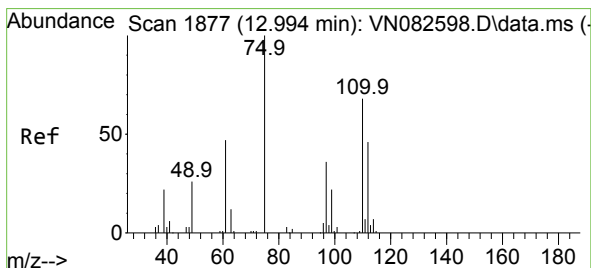
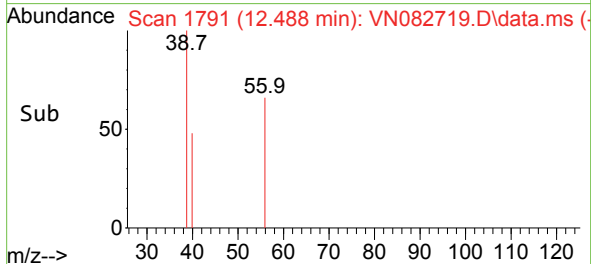
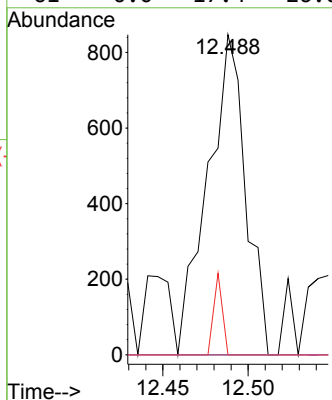


#74
N-amy1 acetate
Concen: 0.347 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

Instrument :
MSVOA_N
ClientSampleId :

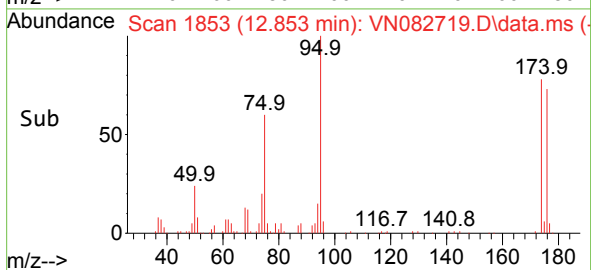
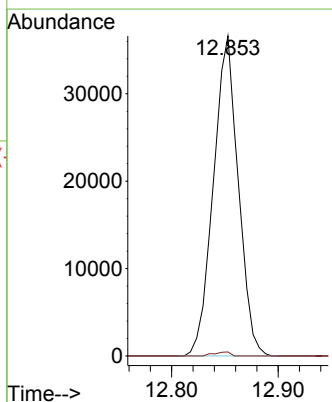
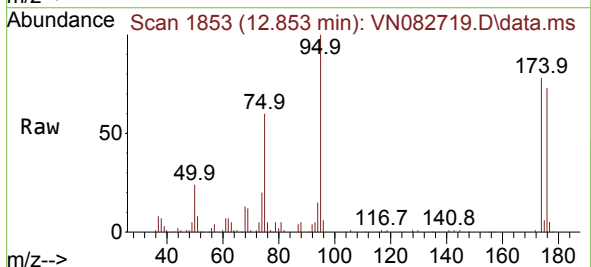


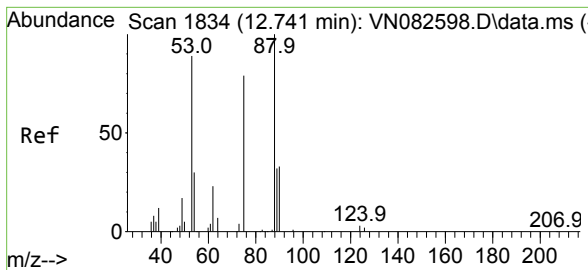
Tgt Ion: 43	Resp: 1313
Ion Ratio	Lower Upper
43 100	
70 0.0	29.8 44.6#
55 5.8	18.7 28.1#
61 0.0	17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 25.971 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082719.D
Acq: 25 Jun 2024 15:46

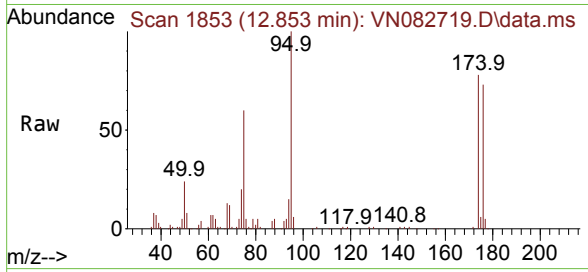
Tgt Ion: 75	Resp: 59357
Ion Ratio	Lower Upper
75 100	
77 0.8	110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.134 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082719.D
 Acq: 25 Jun 2024 15:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	59357
Ion	Ratio	Lower	Upper
75	100		
53	0.3	88.4	132.6#
89	0.0	36.3	54.5#

