

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070324\
 Data File : VN082807.D
 Acq On : 03 Jul 2024 16:52
 Operator : JC\MD
 Sample : P3152-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 04 00:01:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 06:02:21 2024
 Response via : Initial Calibration

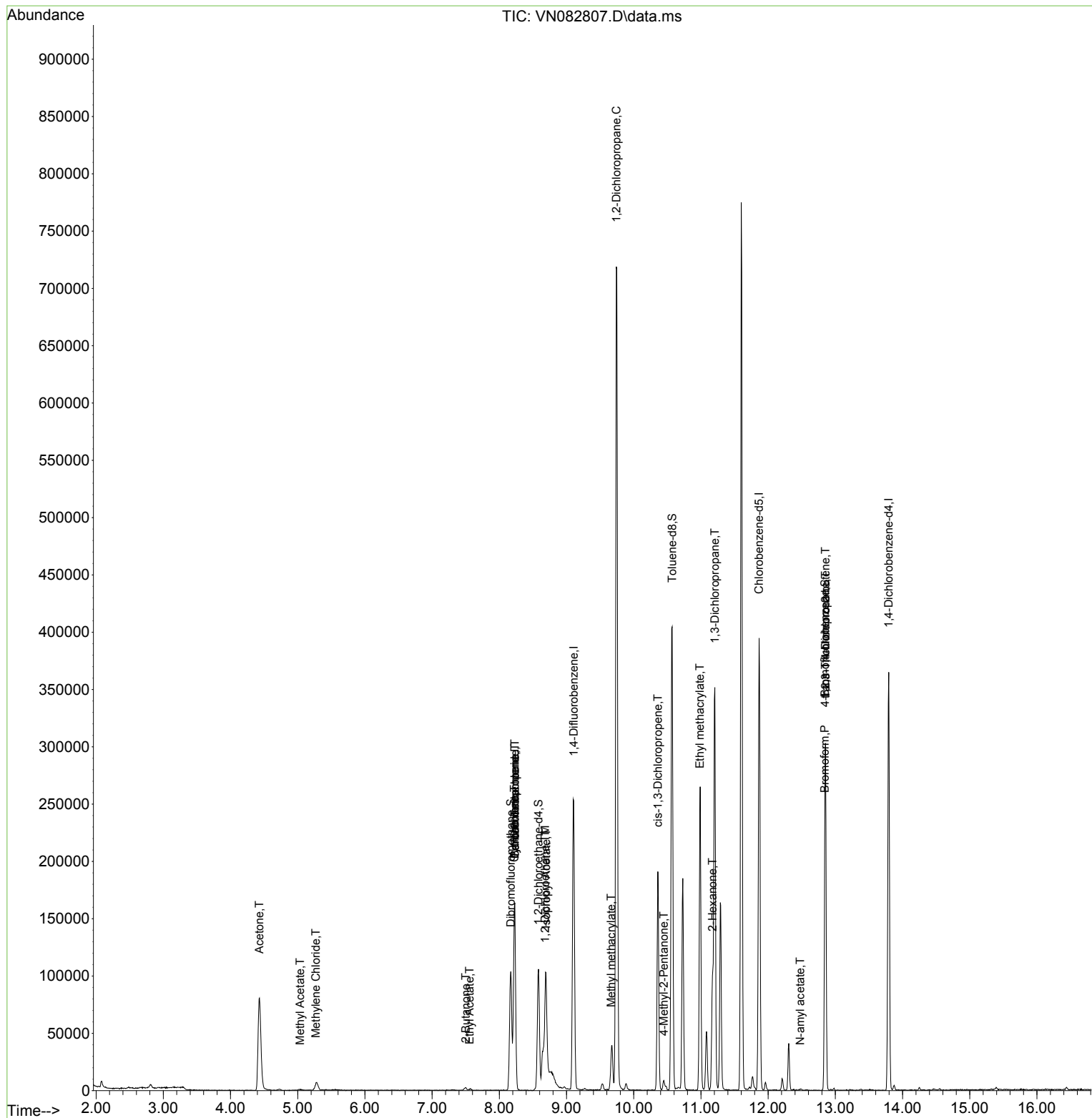
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	115706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	218869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	96035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	88296	49.483	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.960%
35) Dibromofluoromethane	8.171	113	74115	51.432	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.860%
50) Toluene-d8	10.571	98	281107	52.162	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.320%
62) 4-Bromofluorobenzene	12.847	95	102446	55.355	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	110.700%
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	156525	231.529	ug/l	92
18) Methyl Acetate	5.036	43	1601	0.891	ug/l #	65
20) Methylene Chloride	5.271	84	5369	3.138	ug/l #	87
25) 2-Butanone	7.500	43	4201	4.067	ug/l #	77
31) Cyclohexane	8.224	56	2666	1.060	ug/l #	26
36) 1,1-Dichloropropene	8.230	75	10162	4.906	ug/l #	53
37) Ethyl Acetate	7.559	43	2527	1.129	ug/l #	83
38) Carbon Tetrachloride	8.230	117	12711	5.247	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	554	0.227	ug/l #	78
43) Isopropyl Acetate	8.694	43	179228	45.922	ug/l #	80
45) 1,2-Dichloropropane	9.741	63	854	0.519	ug/l #	44
48) Methyl methacrylate	9.665	41	2468	1.433	ug/l #	50
51) 4-Methyl-2-Pentanone	10.447	43	8858	3.869	ug/l #	84
54) cis-1,3-Dichloropropene	10.359	75	32568	13.363	ug/l #	59
56) Ethyl methacrylate	10.982	69	894	0.384	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3797	1.396	ug/l #	43
59) 2-Hexanone	11.171	43	77611	45.713	ug/l #	28
71) Bromoform	12.841	173	867	0.640	ug/l #	1
74) N-amyl acetate	12.477	43	1316	0.421	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	57012	27.217	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	57012	70.978	ug/l #	6

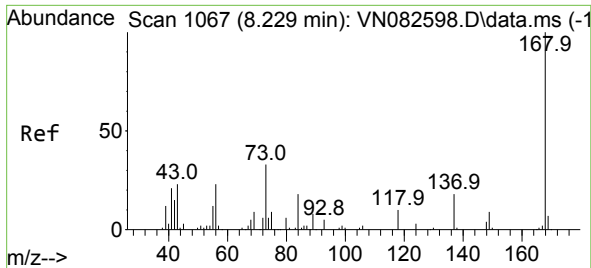
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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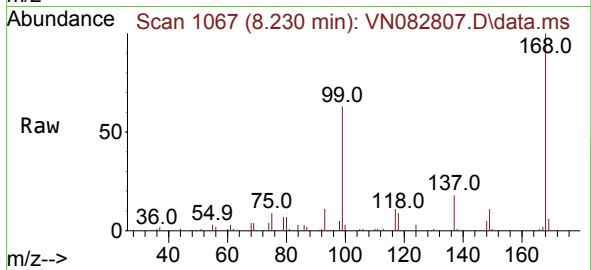
Quant Time: Jul 04 00:01:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 06:02:21 2024
Response via : Initial Calibration



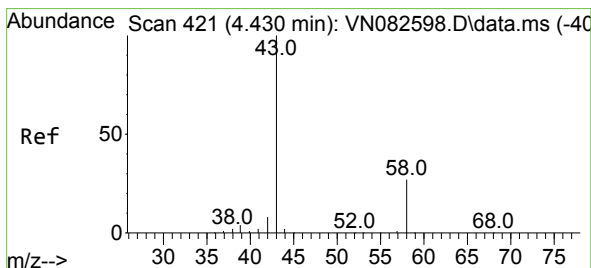
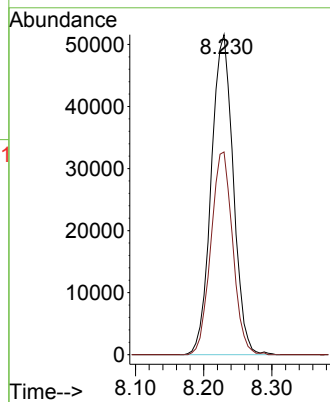
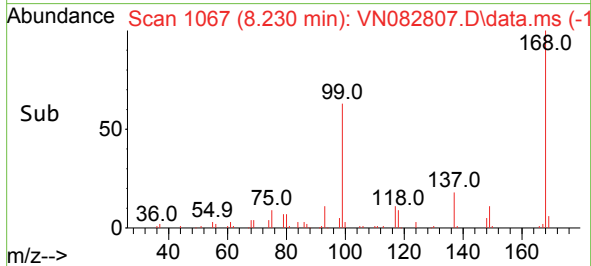


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :

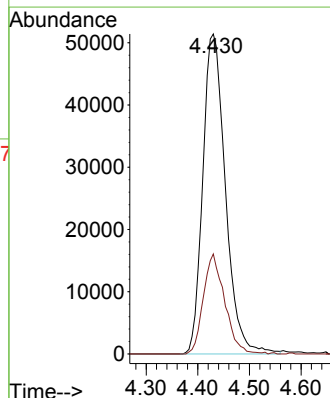
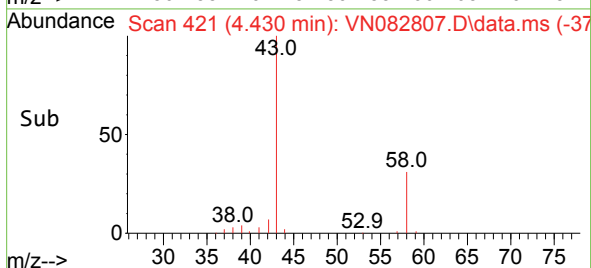
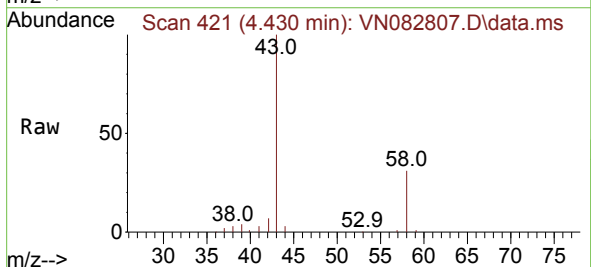


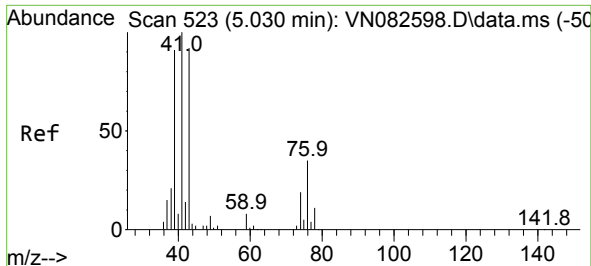
Tgt Ion:168 Resp: 115706
Ion Ratio Lower Upper
168 100
99 63.4 48.2 72.4



#16
Acetone
Concen: 231.529 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

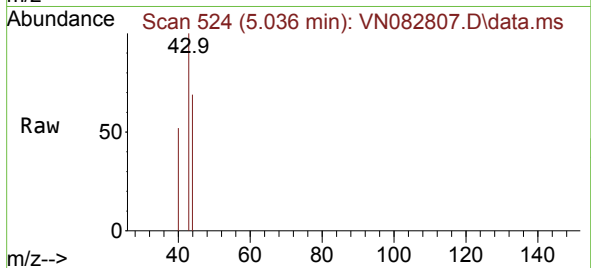
Tgt Ion: 43 Resp: 156525
Ion Ratio Lower Upper
43 100
58 31.3 21.8 32.6



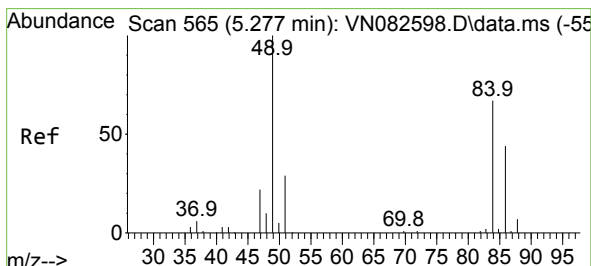
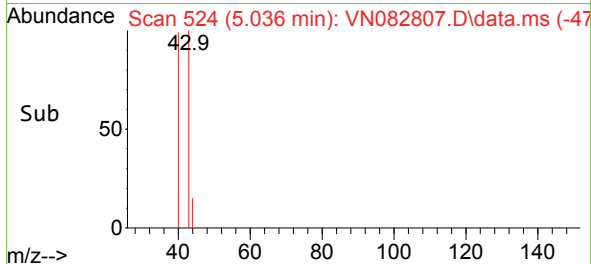
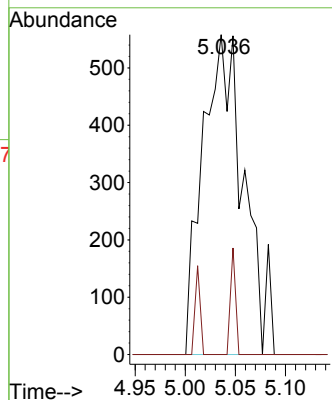


#18
Methyl Acetate
Concen: 0.891 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :

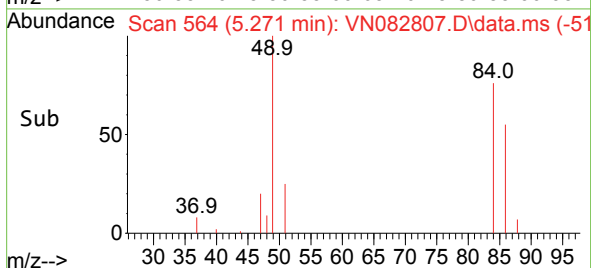
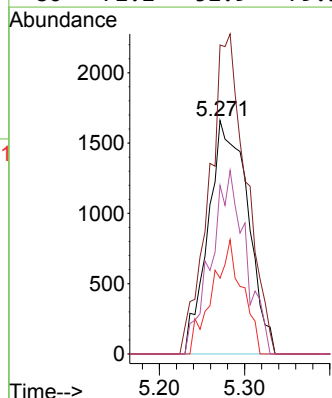
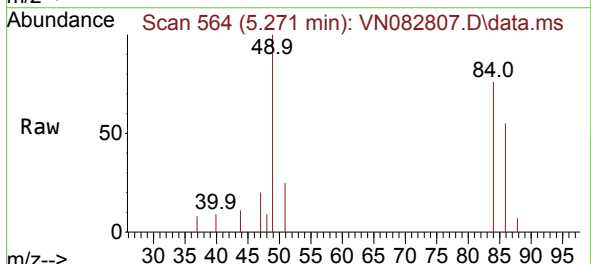


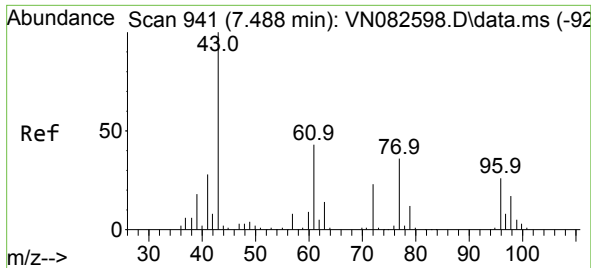
Tgt Ion: 43 Resp: 1601
Ion Ratio Lower Upper
43 100
74 4.1 16.3 24.5#



#20
Methylene Chloride
Concen: 3.138 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

Tgt Ion: 84 Resp: 5369
Ion Ratio Lower Upper
84 100
49 132.3 119.6 179.4
51 32.5 34.8 52.2#
86 72.2 52.9 79.3

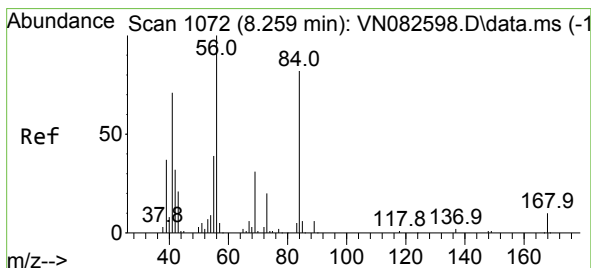
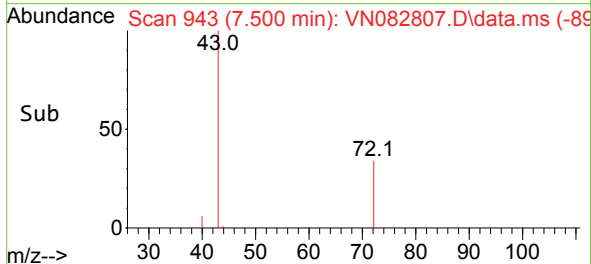
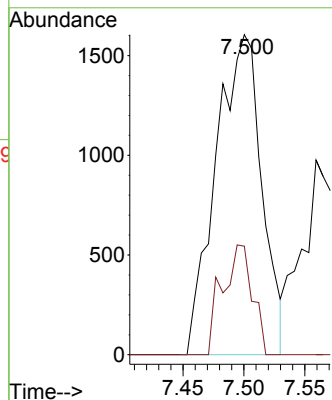
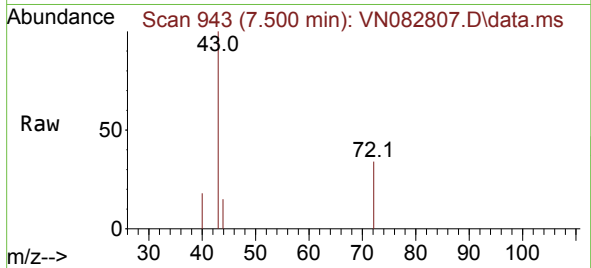




#25
2-Butanone
Concen: 4.067 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

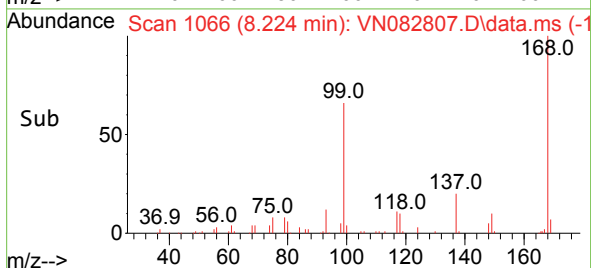
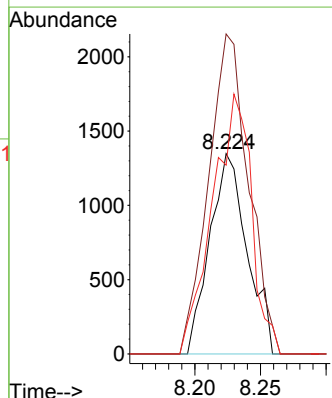
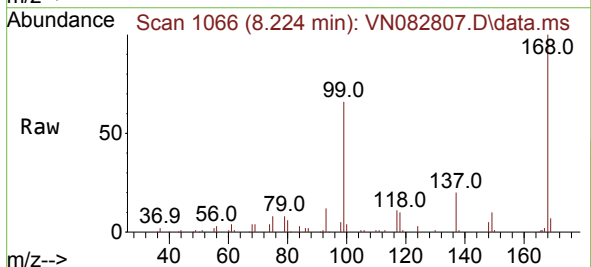
Instrument :
MSVOA_N
ClientSampleId :

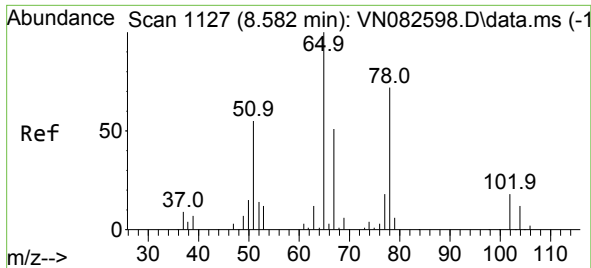
Tgt Ion: 43 Resp: 4201
Ion Ratio Lower Upper
43 100
72 33.9 18.2 27.2#



#31
Cyclohexane
Concen: 1.060 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

Tgt Ion: 56 Resp: 2666
Ion Ratio Lower Upper
56 100
69 159.8 24.5 36.7#
84 94.3 66.0 99.0

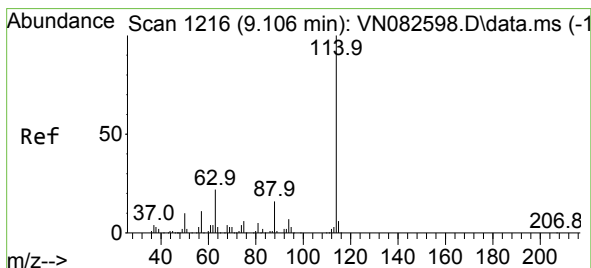
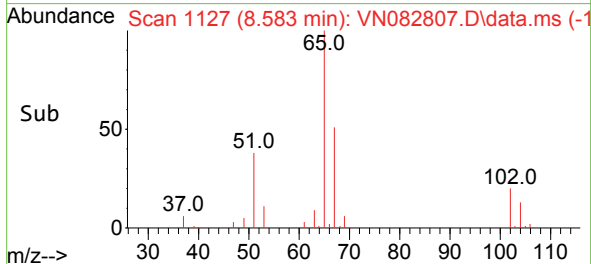
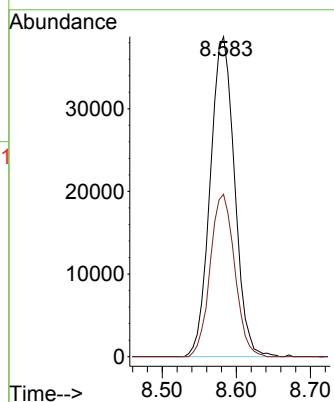
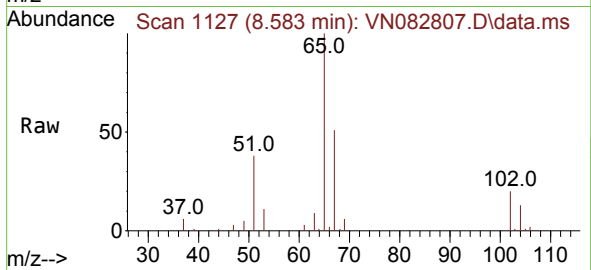




#33
 1,2-Dichloroethane-d4
 Concen: 49.483 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.001 min
 Lab File: VN082807.D
 Acq: 03 Jul 2024 16:52

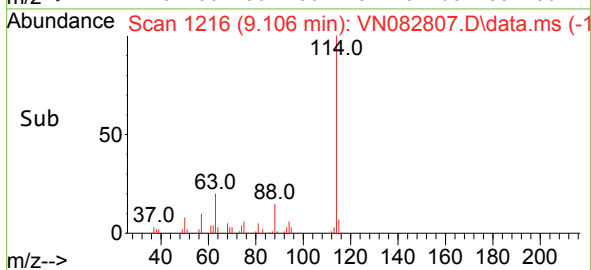
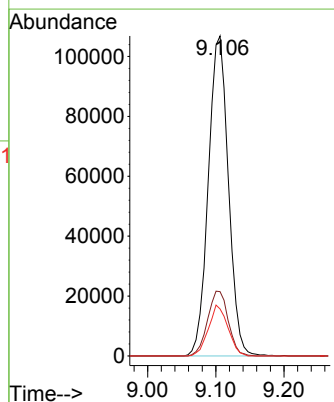
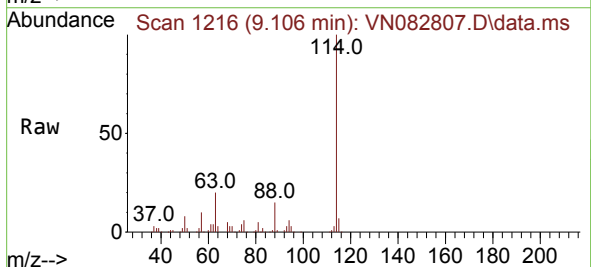
Instrument :
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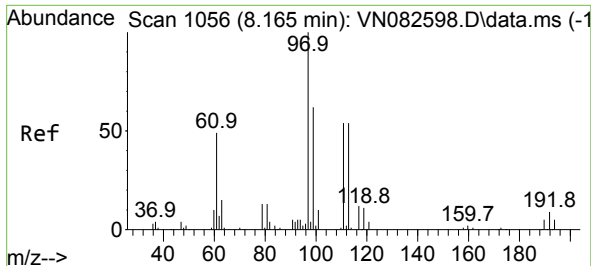
Tgt Ion: 65 Resp: 88296
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN082807.D
 Acq: 03 Jul 2024 16:52

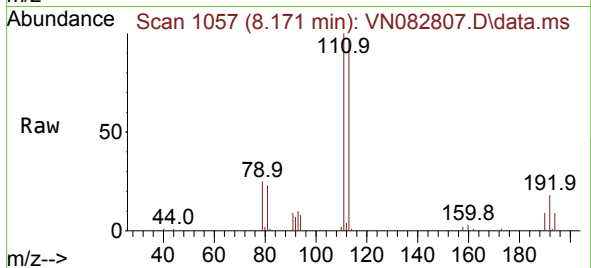
Tgt Ion: 114 Resp: 218869
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 44.6
 88 14.7 0.0 31.4



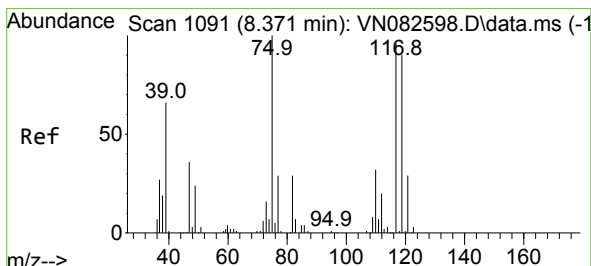
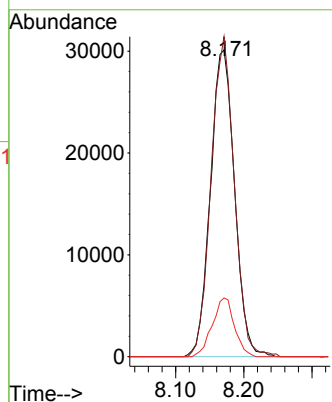
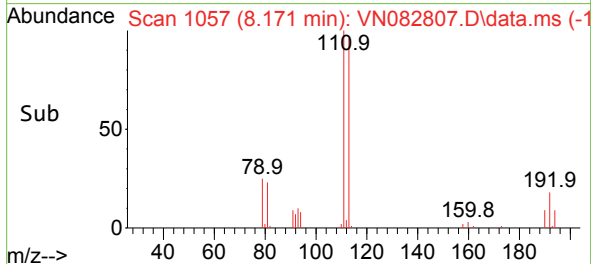


#35
Dibromofluoromethane
Concen: 51.432 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :

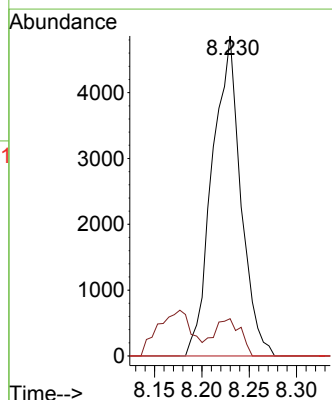
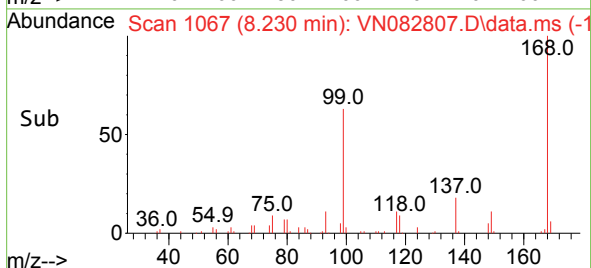
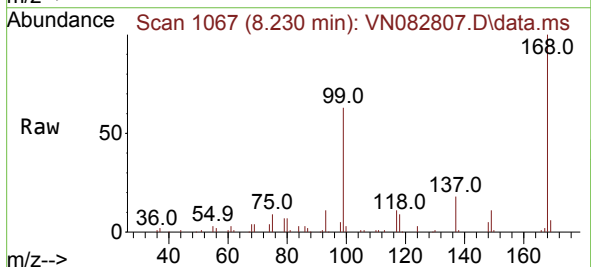


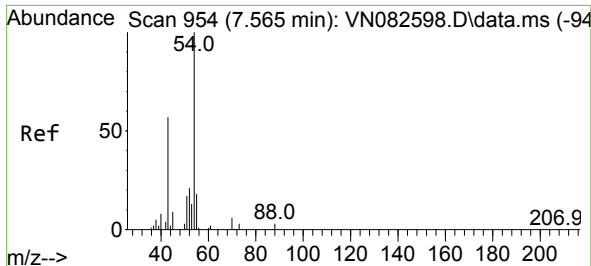
Tgt Ion:113 Resp: 74115
Ion Ratio Lower Upper
113 100
111 100.5 82.4 123.6
192 17.6 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.906 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

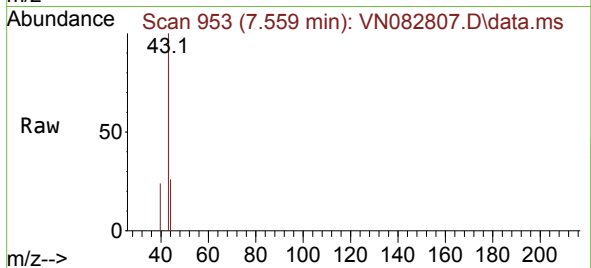
Tgt Ion: 75 Resp: 10162
Ion Ratio Lower Upper
75 100
110 11.0 16.3 48.9#
77 0.0 24.6 37.0#



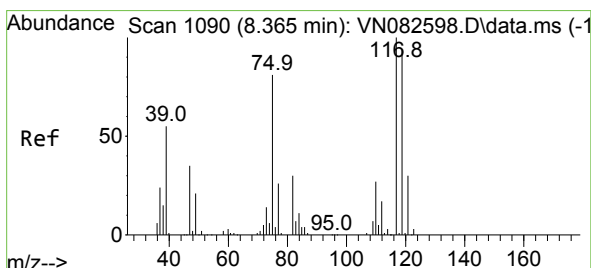
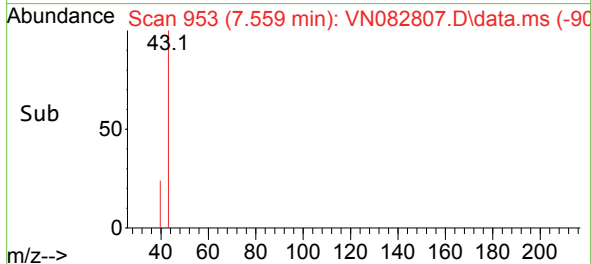
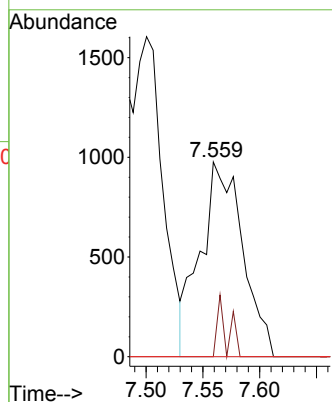


#37
Ethyl Acetate
Concen: 1.129 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

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ClientSampleId :

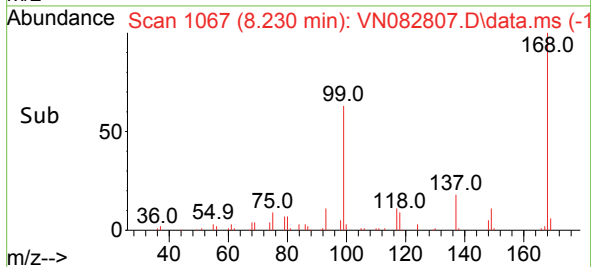
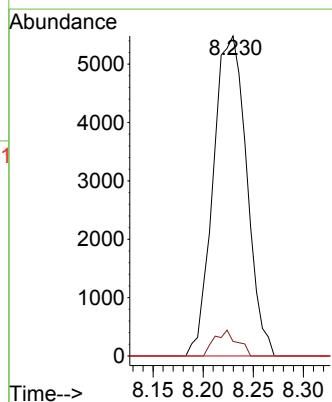
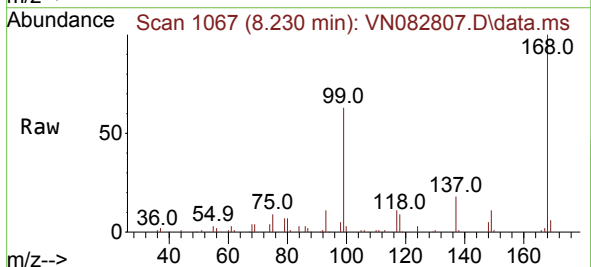


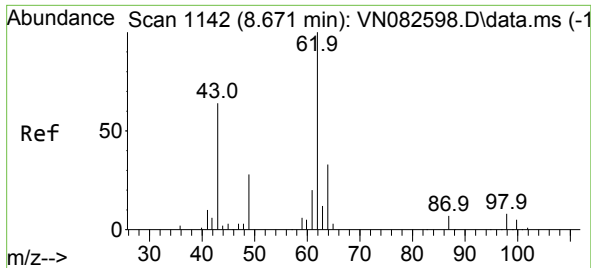
Tgt Ion: 43 Resp: 2527
Ion Ratio Lower Upper
43 100
61 7.5 9.3 13.9#
70 0.0 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.247 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

Tgt Ion: 117 Resp: 12711
Ion Ratio Lower Upper
117 100
119 4.6 74.9 112.3#
121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.227 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082807.D

Acq: 03 Jul 2024 16:52

Instrument :

MSVOA_N

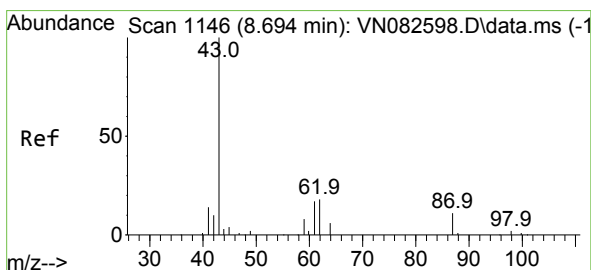
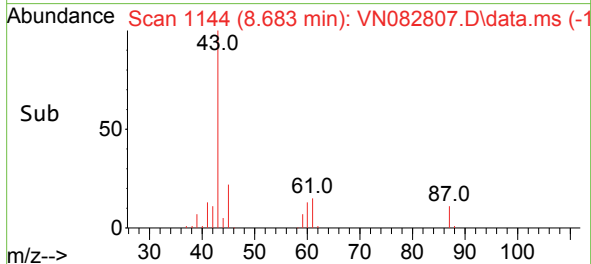
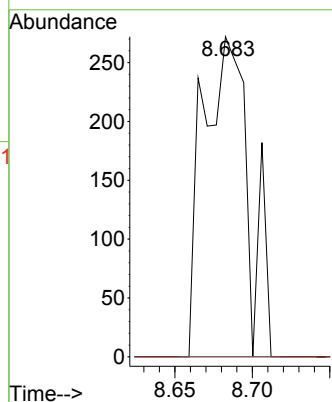
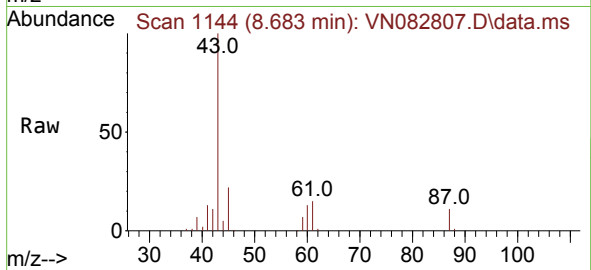
ClientSampleId :

Tgt Ion: 62 Resp: 554

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 45.922 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082807.D

Acq: 03 Jul 2024 16:52

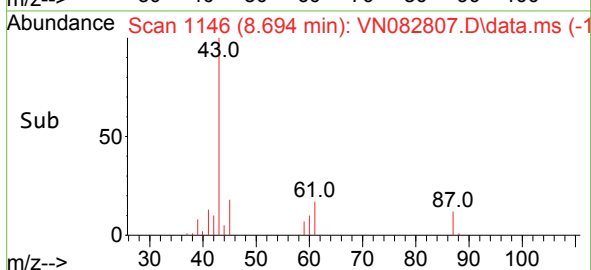
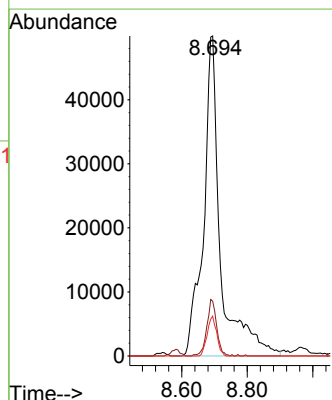
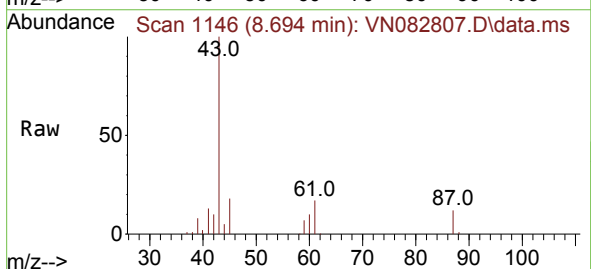
Tgt Ion: 43 Resp: 179228

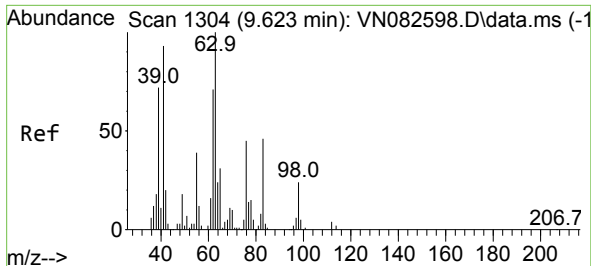
Ion Ratio Lower Upper

43 100

61 10.3 17.8 26.6#

87 7.0 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.519 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

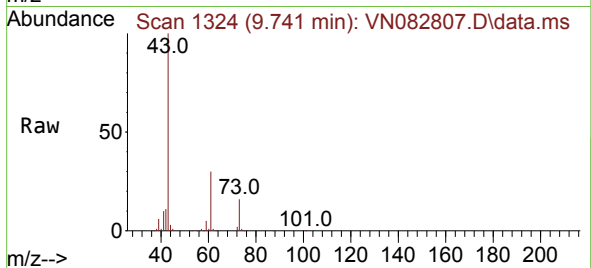
Lab File: VN082807.D

Acq: 03 Jul 2024 16:52

Instrument :

MSVOA_N

ClientSampleId :

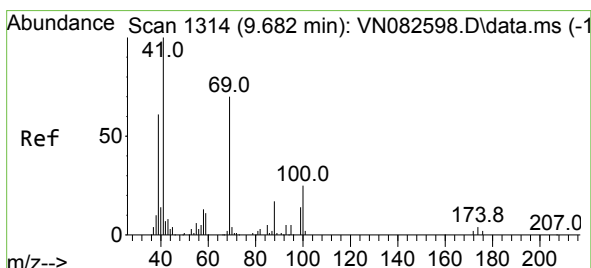
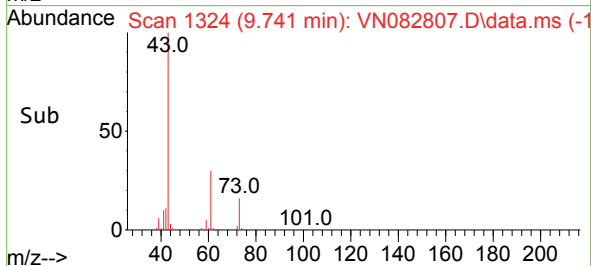
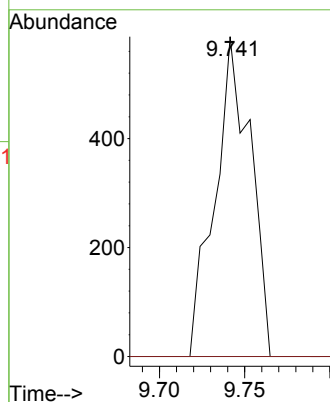


Tgt Ion: 63 Resp: 854

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.433 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.017 min

Lab File: VN082807.D

Acq: 03 Jul 2024 16:52

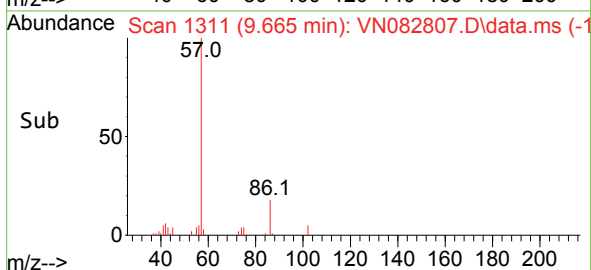
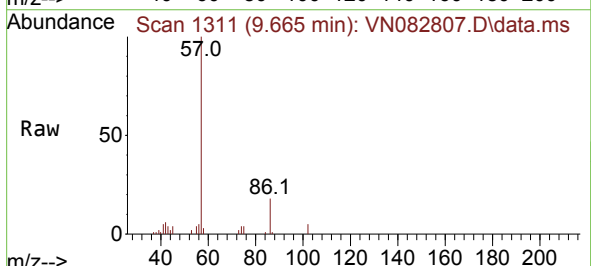
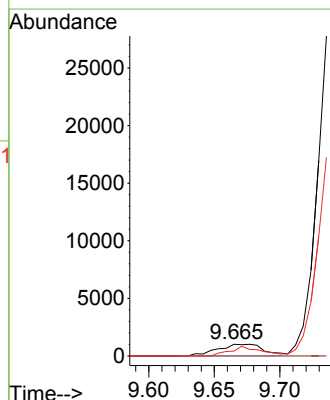
Tgt Ion: 41 Resp: 2468

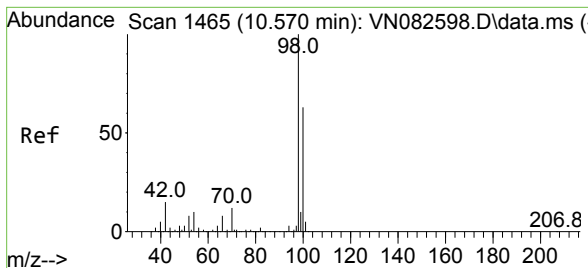
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 54.8 50.3 75.5

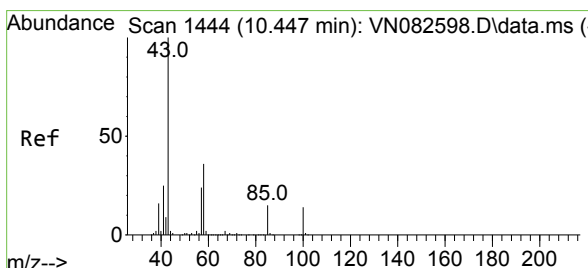
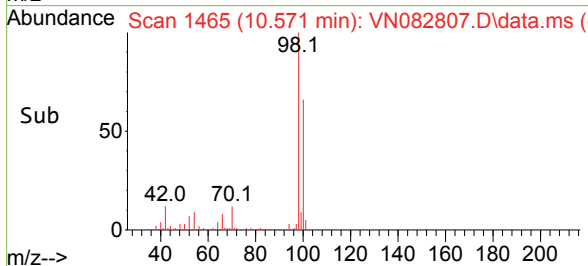
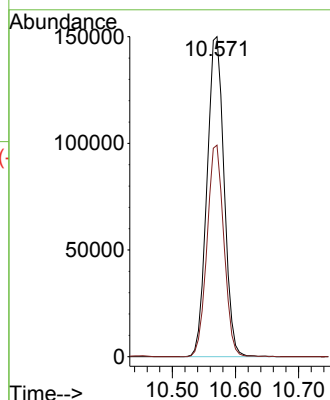
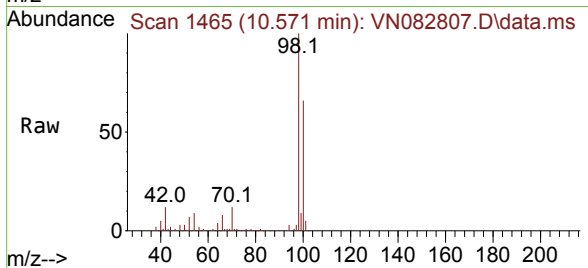




#50
Toluene-d8
Concen: 52.162 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

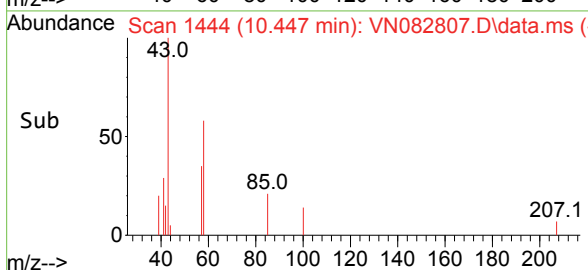
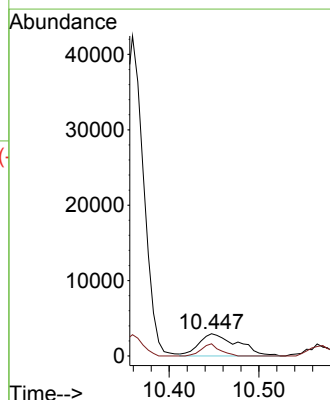
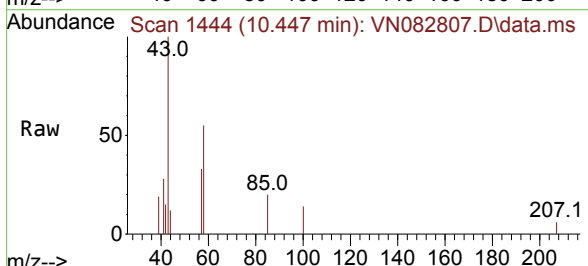
Instrument :
MSVOA_N
ClientSampleId :

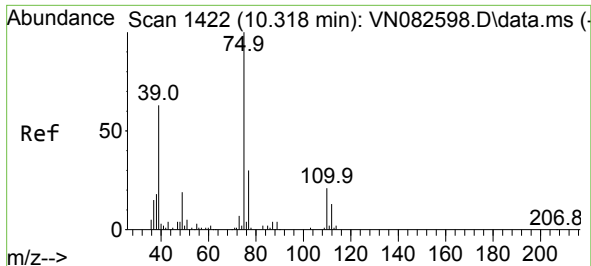
Tgt Ion: 98 Resp: 281107
Ion Ratio Lower Upper
98 100
100 65.4 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.869 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

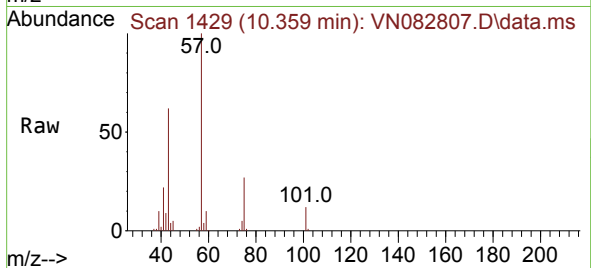
Tgt Ion: 43 Resp: 8858
Ion Ratio Lower Upper
43 100
58 25.9 28.2 42.4#



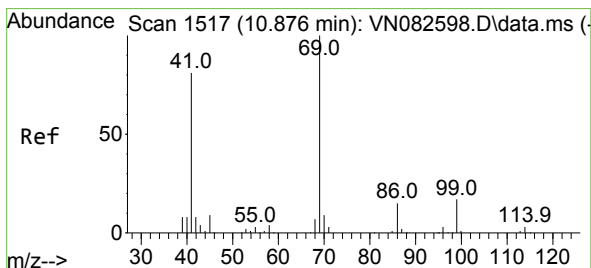
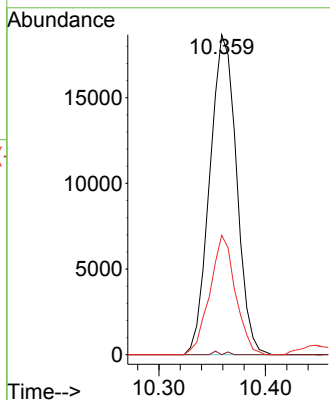
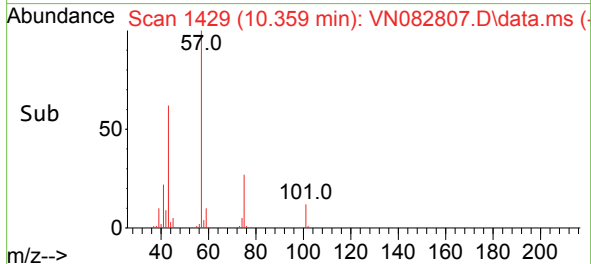


#54
cis-1,3-Dichloropropene
Concen: 13.363 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :

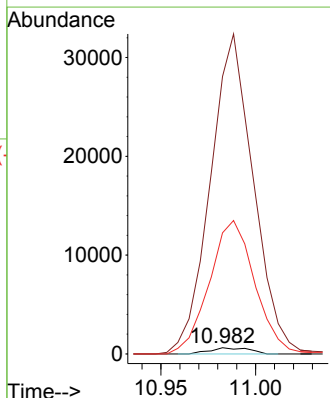
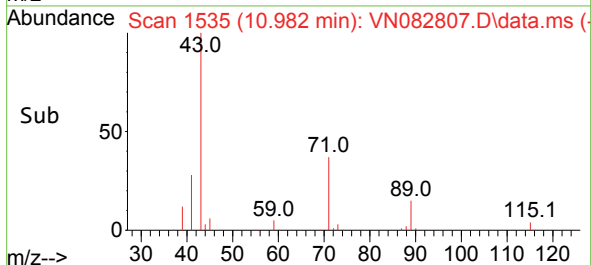
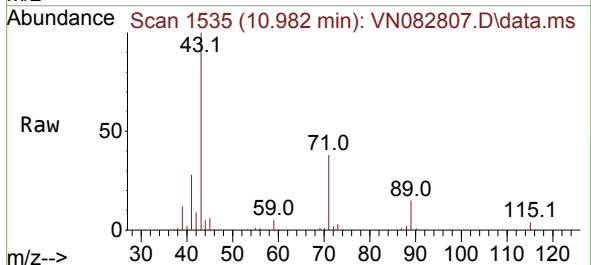


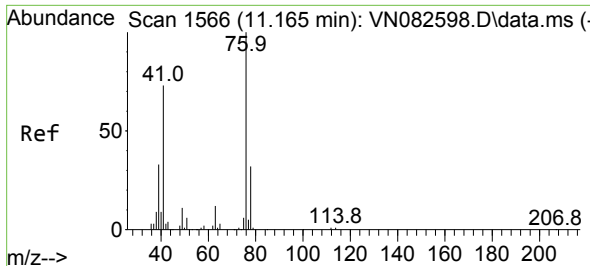
Tgt Ion: 75 Resp: 32568
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 37.3 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.384 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

Tgt Ion: 69 Resp: 894
Ion Ratio Lower Upper
69 100
41 5765.1 63.4 95.2#
39 2531.0 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.396 ug/l

RT: 11.206 min Scan# 1567

Delta R.T. 0.041 min

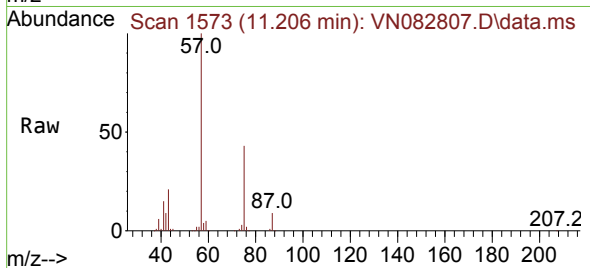
Lab File: VN082807.D

Acq: 03 Jul 2024 16:52

Instrument :

MSVOA_N

ClientSampleId :

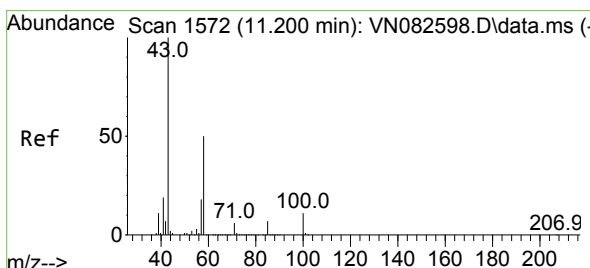
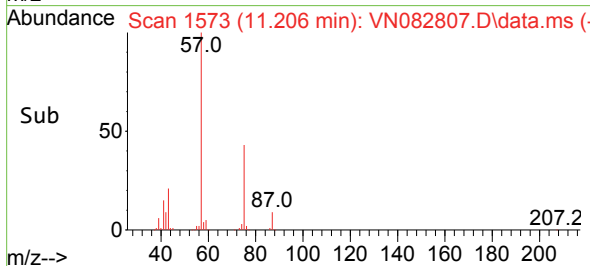
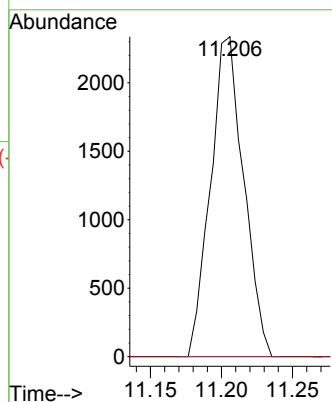


Tgt Ion: 76 Resp: 3797

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 45.713 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN082807.D

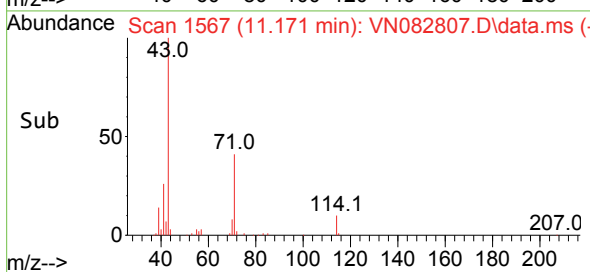
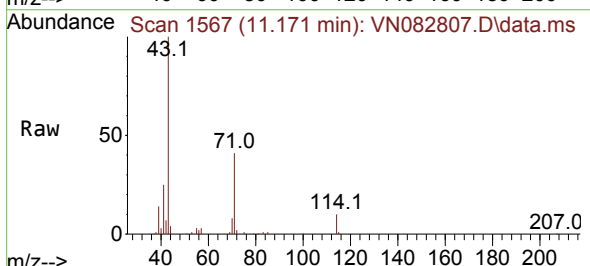
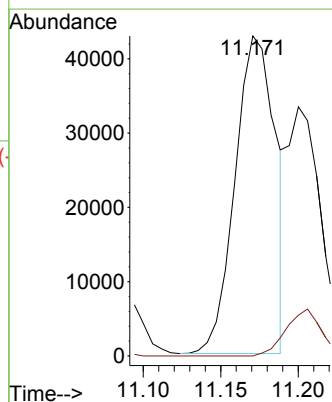
Acq: 03 Jul 2024 16:52

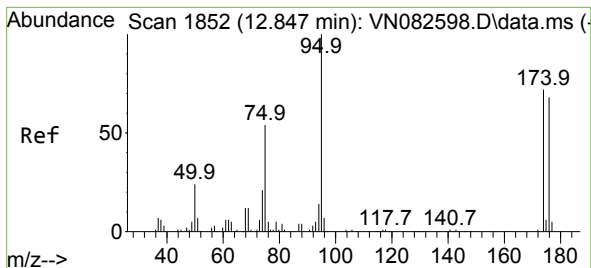
Tgt Ion: 43 Resp: 77611

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

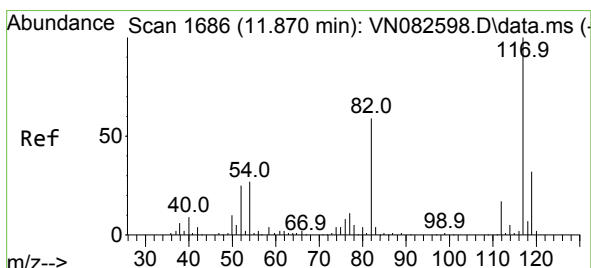
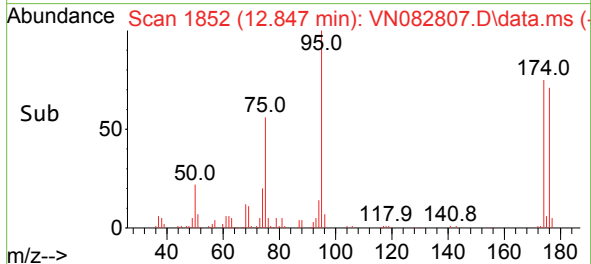
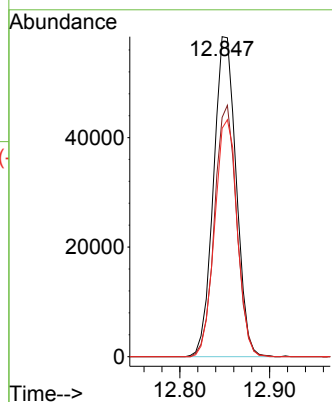
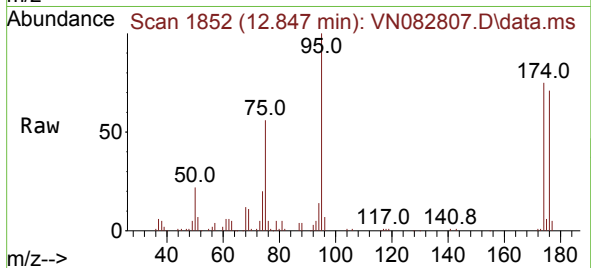




#62
4-Bromofluorobenzene
Concen: 55.355 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

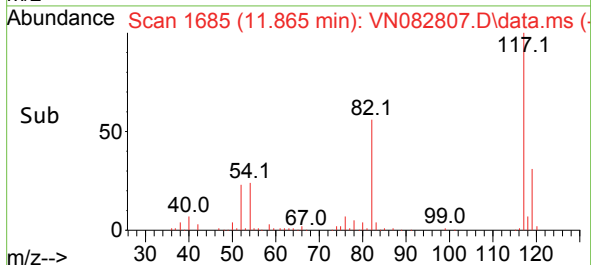
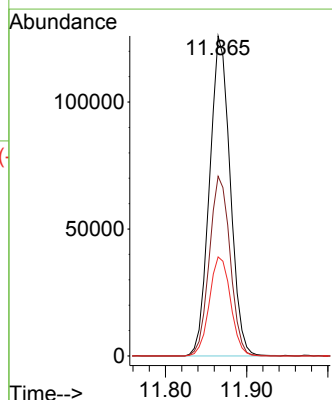
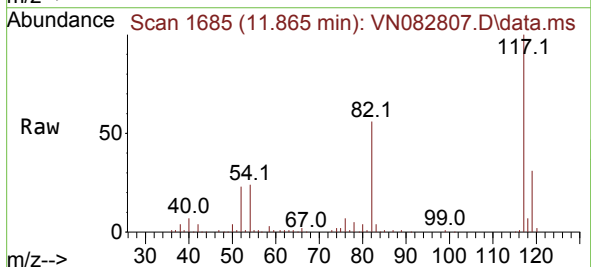
Instrument :
MSVOA_N
ClientSampleId :

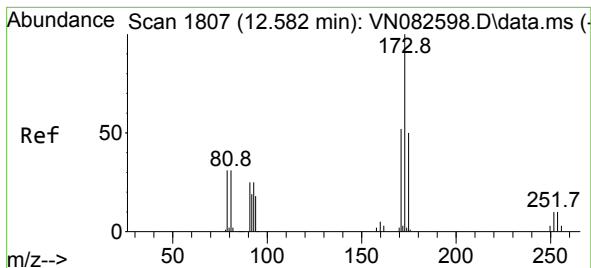
Tgt Ion: 95 Resp: 102446
Ion Ratio Lower Upper
95 100
174 76.6 0.0 159.2
176 73.8 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN082807.D
Acq: 03 Jul 2024 16:52

Tgt Ion:117 Resp: 222178
Ion Ratio Lower Upper
117 100
82 56.2 47.5 71.3
119 30.9 25.6 38.4





#71

Bromoform

Concen: 0.640 ug/l

RT: 12.841 min Scan# 1807

Delta R.T. 0.259 min

Lab File: VN082807.D

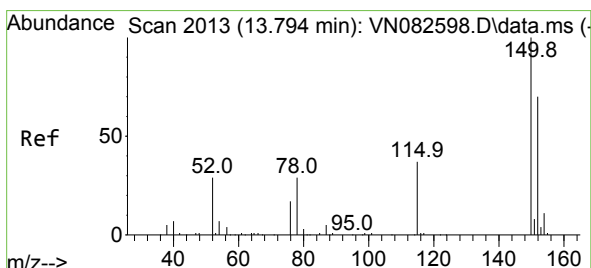
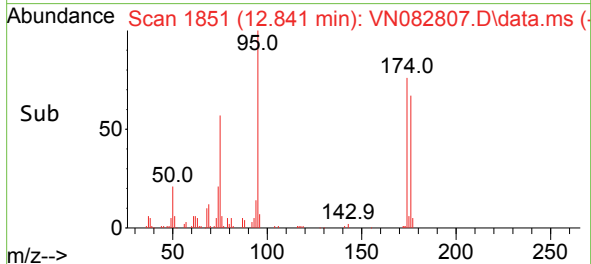
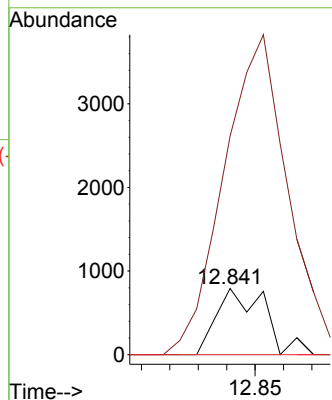
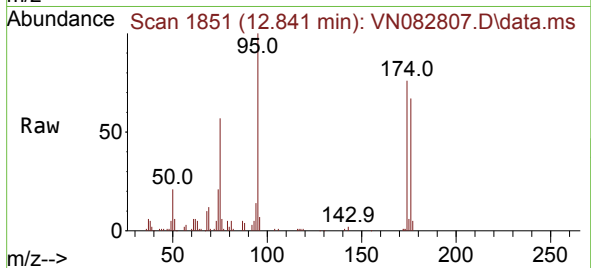
Acq: 03 Jul 2024 16:52

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	173	Resp:	867
Ion Ratio	Lower	Upper	
173	100		
175	592.4	24.0	72.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

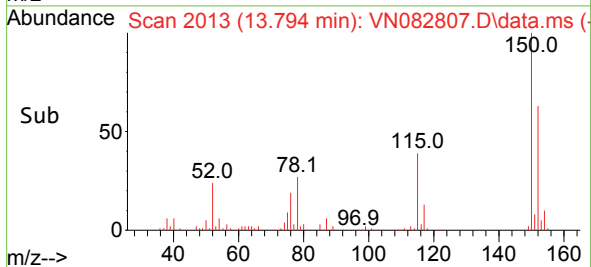
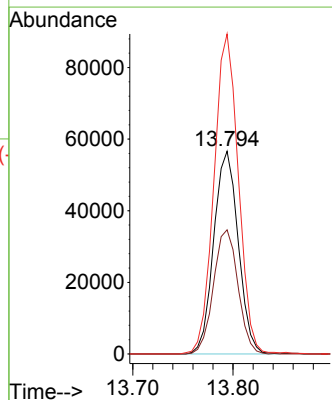
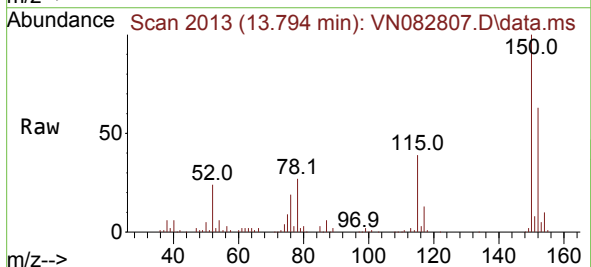
RT: 13.794 min Scan# 2013

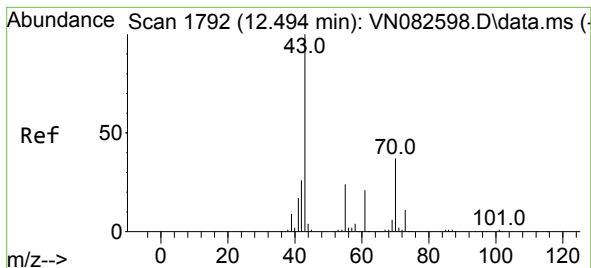
Delta R.T. 0.000 min

Lab File: VN082807.D

Acq: 03 Jul 2024 16:52

Tgt Ion:	152	Resp:	96035
Ion Ratio	Lower	Upper	
152	100		
115	61.2	30.6	91.6
150	157.5	0.0	348.6





#74

N-amy1 acetate

Concen: 0.421 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.018 min

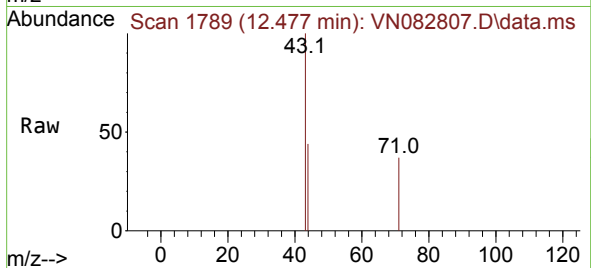
Lab File: VN082807.D

Acq: 03 Jul 2024 16:52

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1316

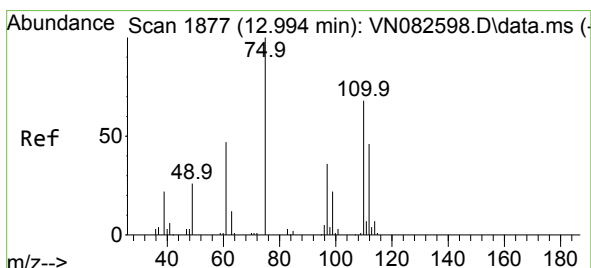
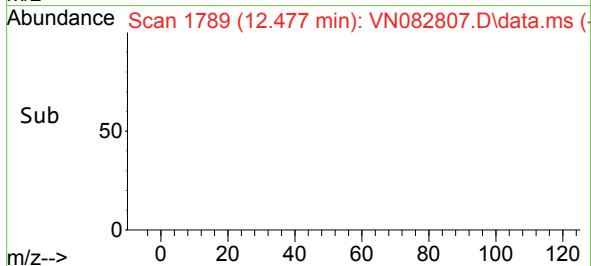
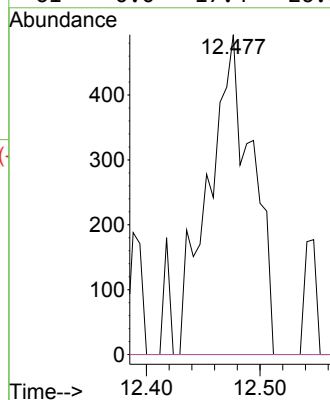
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.6#

55 0.0 18.7 28.1#

61 0.0 17.4 26.0#



#76

1,2,3-Trichloropropane

Concen: 27.217 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082807.D

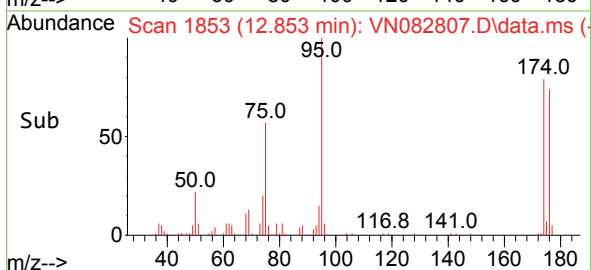
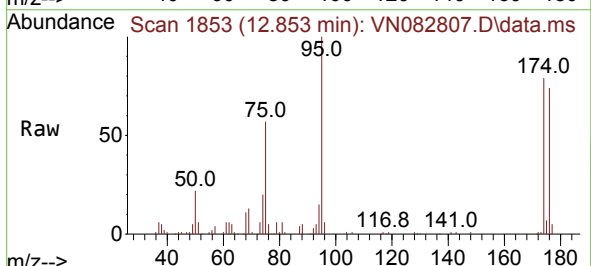
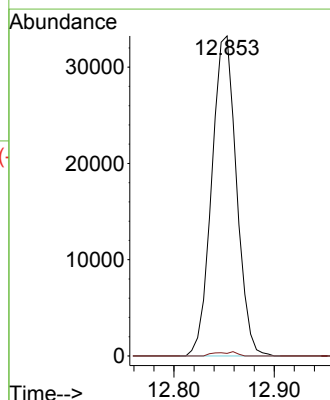
Acq: 03 Jul 2024 16:52

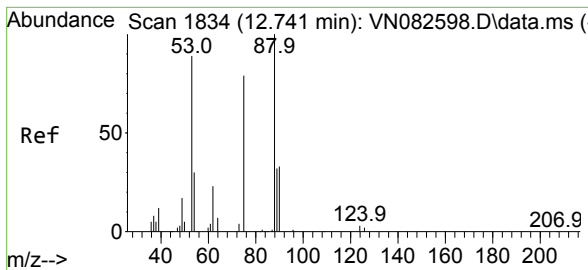
Tgt Ion: 75 Resp: 57012

Ion Ratio Lower Upper

75 100

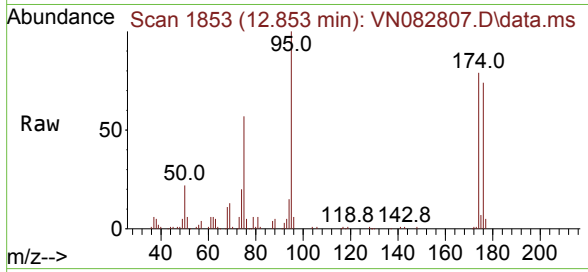
77 1.1 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.978 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082807.D
 Acq: 03 Jul 2024 16:52

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	57012
Ion	Ratio	Lower	Upper
75	100		
53	0.0	88.4	132.6#
89	0.0	36.3	54.5#

