

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061324\
 Data File : VN082563.D
 Acq On : 13 Jun 2024 16:44
 Operator : JC\MD
 Sample : P2853-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 11

Quant Time: Jun 14 02:31:52 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)

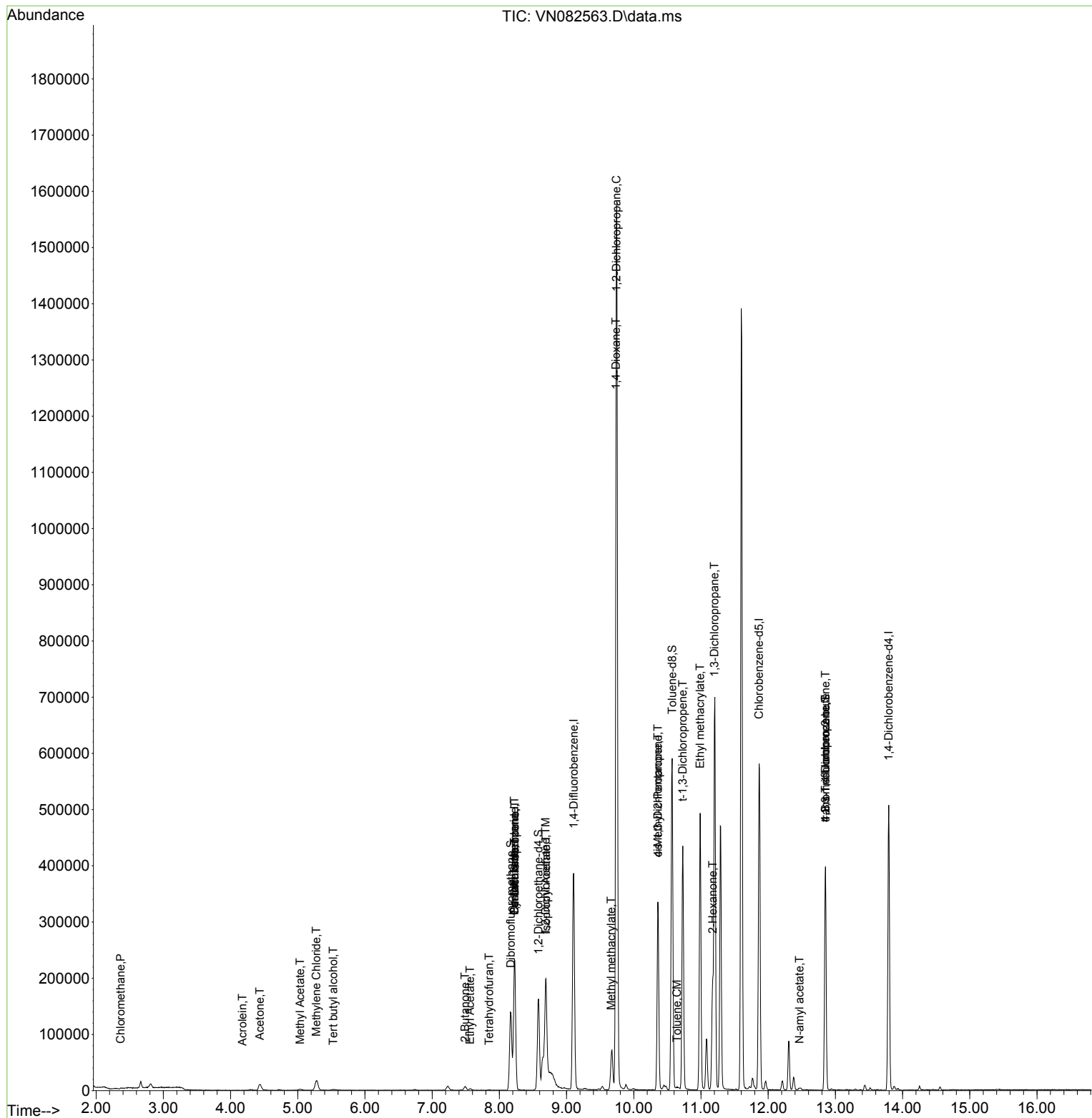
Internal Standards						
1) Pentafluorobenzene	8.224	168	161595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	308454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	312788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	127565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	136183	53.371	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.740%			
35) Dibromofluoromethane	8.171	113	98738	52.037	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.080%			
50) Toluene-d8	10.571	98	385210	52.952	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.900%			
62) 4-Bromofluorobenzene	12.853	95	124788	48.060	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 96.120%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	618	0.234	ug/l #	43
11) Tert butyl alcohol	5.530	59	1663	4.060	ug/l #	71
13) Acrolein	4.177	56	74	0.244	ug/l #	15
16) Acetone	4.436	43	21812	20.838	ug/l	94
18) Methyl Acetate	5.036	43	4436	1.702	ug/l #	66
20) Methylene Chloride	5.277	84	12297	5.823	ug/l #	81
25) 2-Butanone	7.488	43	11823	7.450	ug/l #	75
29) Tetrahydrofuran	7.847	42	861	0.845	ug/l #	34
31) Cyclohexane	8.224	56	4634	1.137	ug/l #	49
36) 1,1-Dichloropropene	8.230	75	15093	4.743	ug/l #	48
37) Ethyl Acetate	7.565	43	4963	1.394	ug/l #	80
38) Carbon Tetrachloride	8.224	117	17696	5.485	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1349	0.370	ug/l #	73
43) Isopropyl Acetate	8.694	43	282811	44.815	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1958	0.800	ug/l #	45
48) Methyl methacrylate	9.665	41	5748	1.912	ug/l #	39
49) 1,4-Dioxane	9.735	88	54	1.282	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	131878	36.781	ug/l #	44
52) Toluene	10.641	92	1360	0.239	ug/l	91
53) t-1,3-Dichloropropene	10.729	75	945	0.269	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	51150	13.768	ug/l #	75
56) Ethyl methacrylate	10.988	69	2153	0.613	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6167	1.594	ug/l #	42
59) 2-Hexanone	11.176	43	150460	57.311	ug/l #	23
74) N-amyl acetate	12.465	43	4220	0.757	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	73734	27.462	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	73734	64.233	ug/l #	13

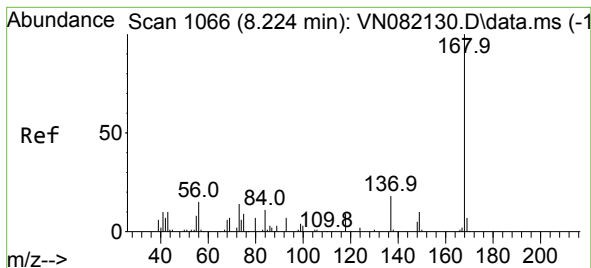
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082563.D

Acq: 13 Jun 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

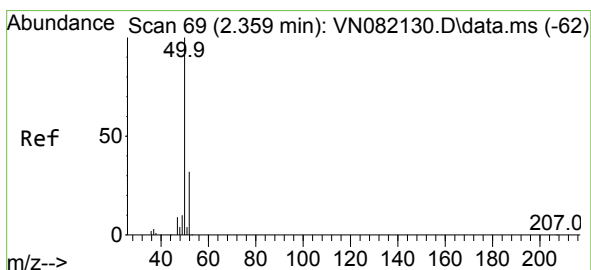
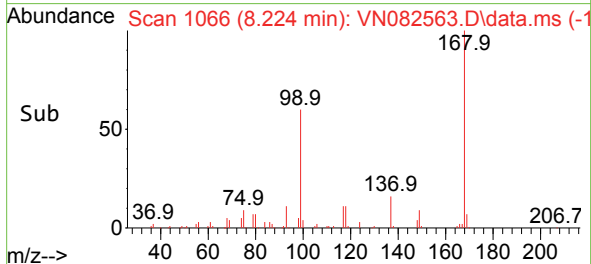
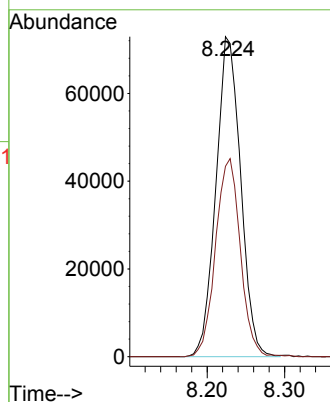
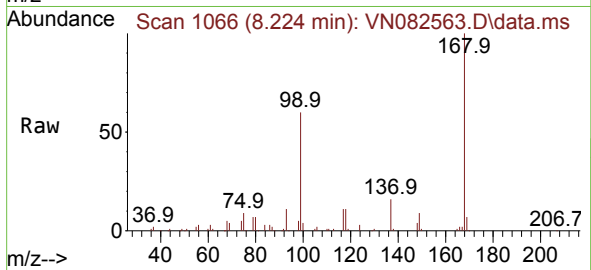
11

Tgt Ion:168 Resp: 161595

Ion Ratio Lower Upper

168 100

99 59.5 48.2 72.4



#3

Chloromethane

Concen: 0.234 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN082563.D

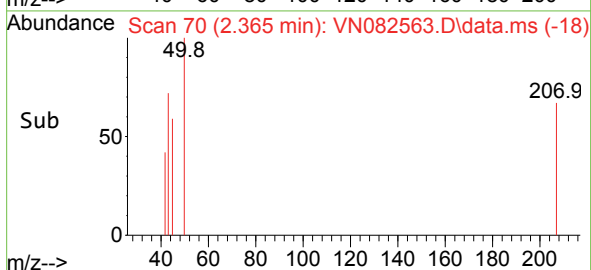
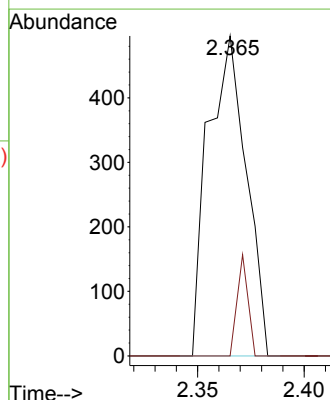
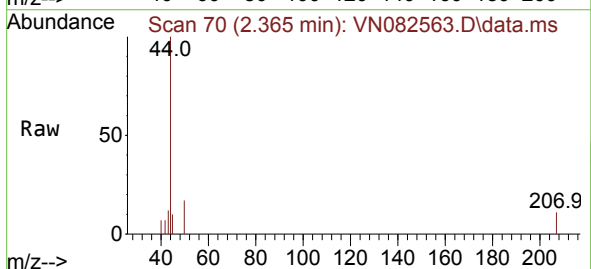
Acq: 13 Jun 2024 16:44

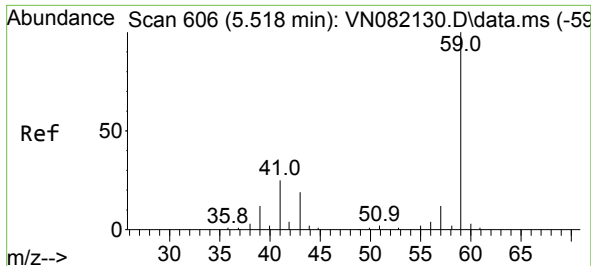
Tgt Ion: 50 Resp: 618

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

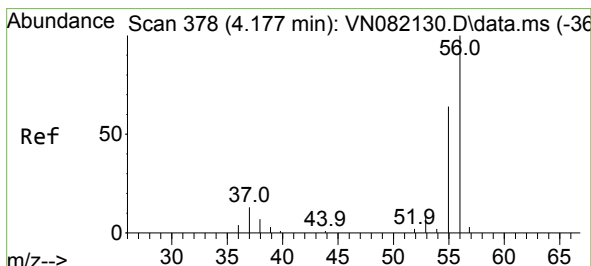
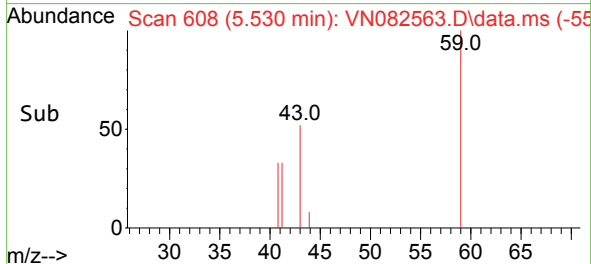
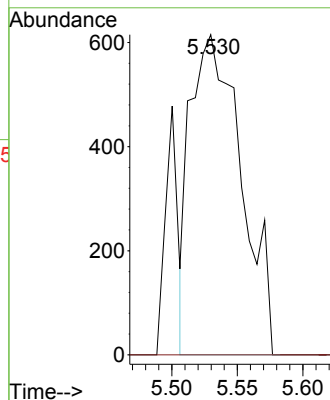
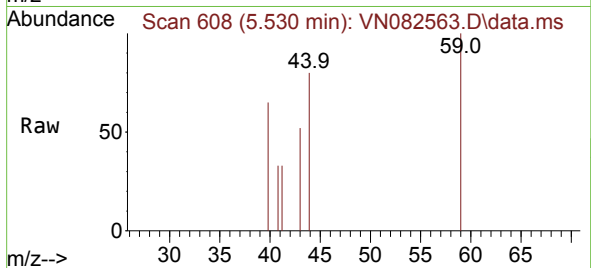




#11
Tert butyl alcohol
Concen: 4.060 ug/l
RT: 5.530 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

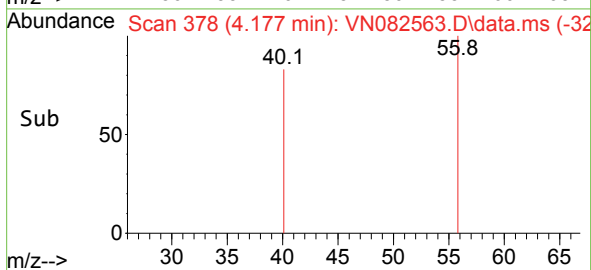
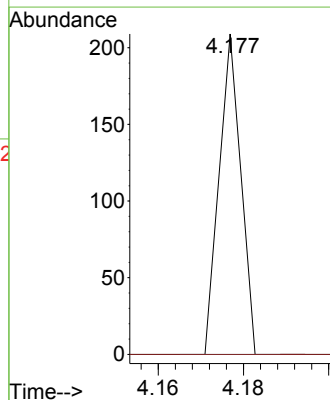
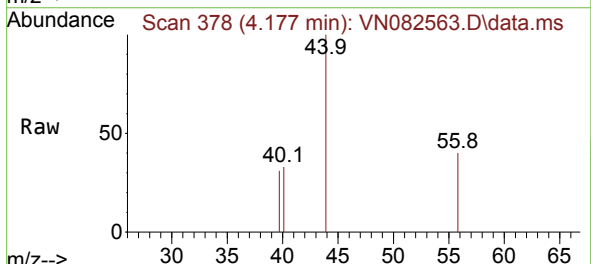
Instrument :
MSVOA_N
ClientSampleId :
11

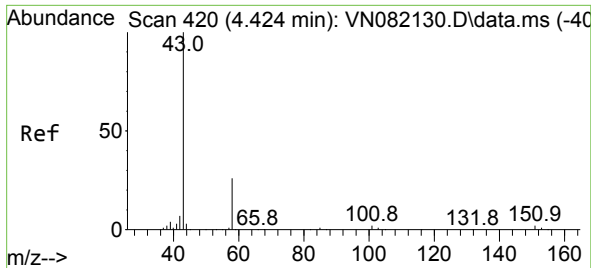
Tgt Ion: 59 Resp: 1663
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 0.244 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

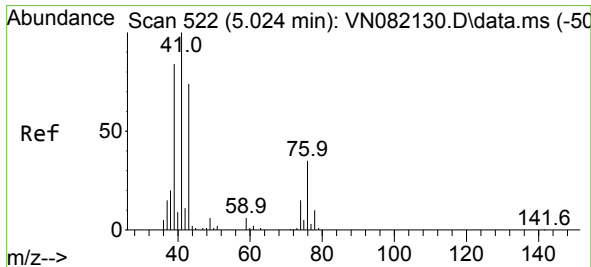
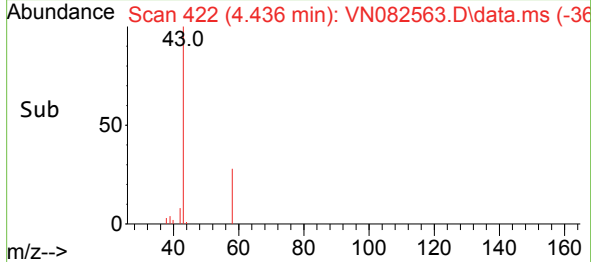
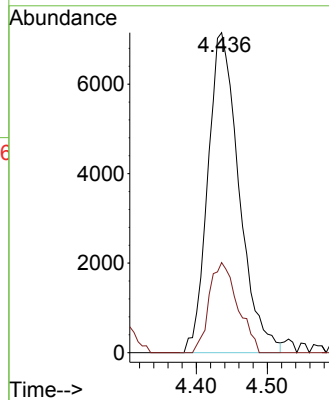
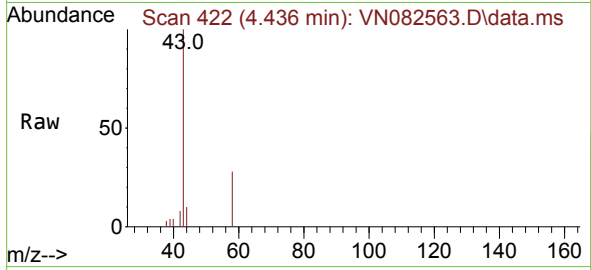




#16
Acetone
Concen: 20.838 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

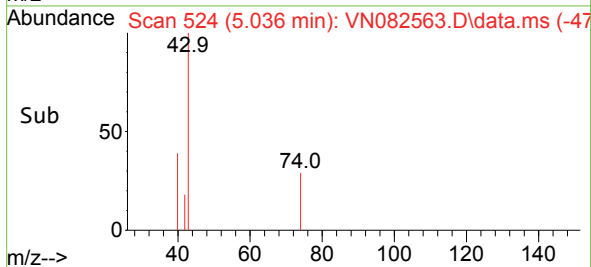
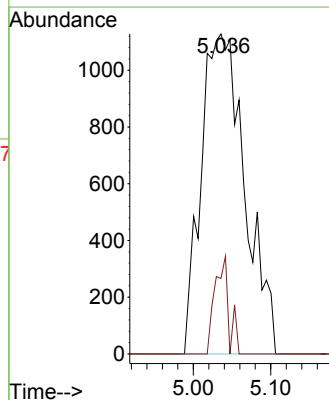
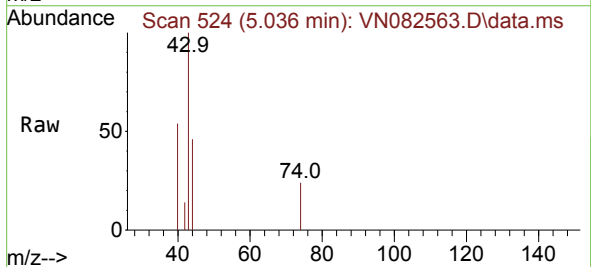
Instrument :
MSVOA_N
ClientSampleId :
11

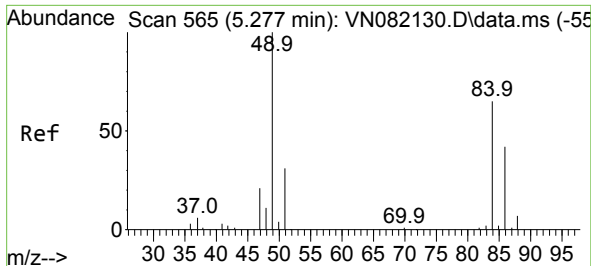
Tgt Ion: 43 Resp: 21812
Ion Ratio Lower Upper
43 100
58 28.1 25.2 37.8



#18
Methyl Acetate
Concen: 1.702 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

Tgt Ion: 43 Resp: 4436
Ion Ratio Lower Upper
43 100
74 9.8 22.2 33.2#



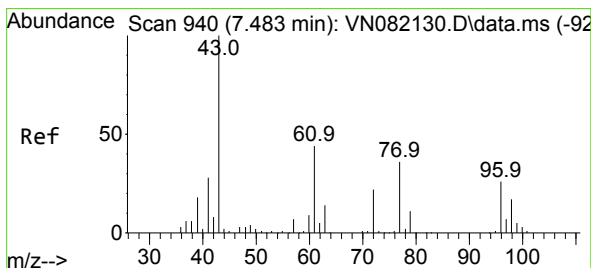
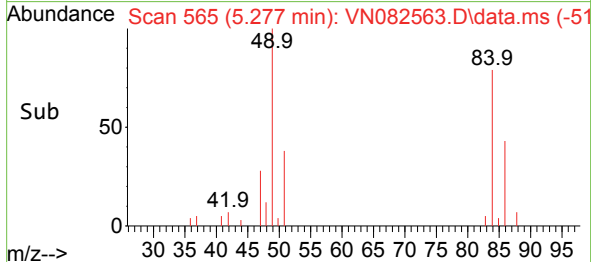
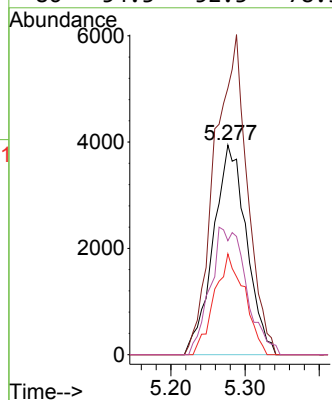
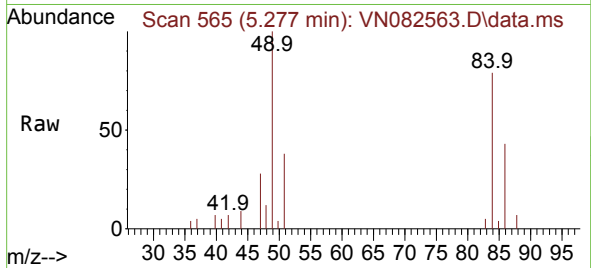


#20
Methylene Chloride
Concen: 5.823 ug/l
RT: 5.277 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

Instrument :
MSVOA_N
ClientSampleId :
11

Tgt Ion: 84 Resp: 12297

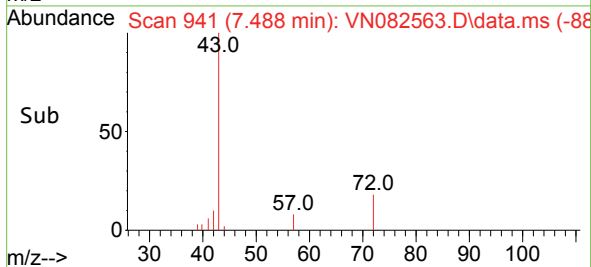
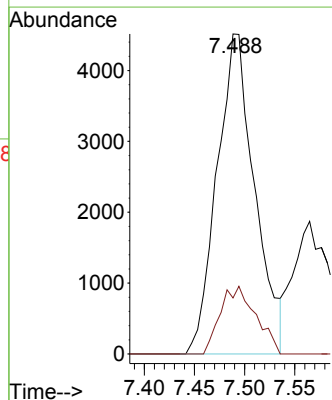
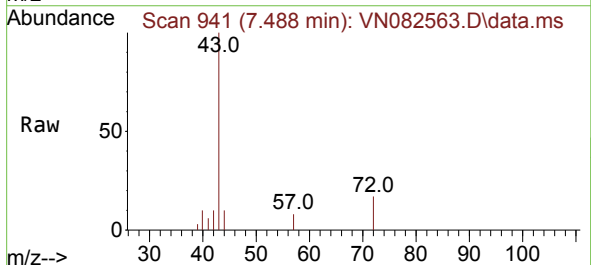
Ion	Ratio	Lower	Upper
84	100		
49	127.1	84.9	127.3
51	48.1	27.0	40.6#
86	54.3	52.3	78.5

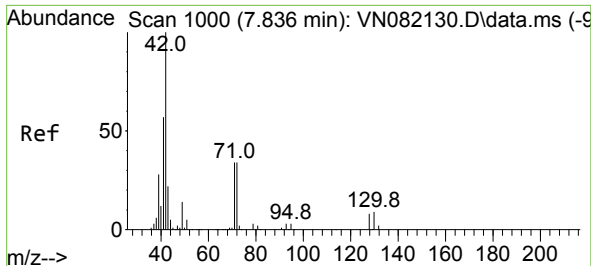


#25
2-Butanone
Concen: 7.450 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

Tgt Ion: 43 Resp: 11823

Ion	Ratio	Lower	Upper
43	100		
72	17.5	25.3	37.9#





#29

Tetrahydrofuran

Concen: 0.845 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.011 min

Lab File: VN082563.D

Acq: 13 Jun 2024 16:44

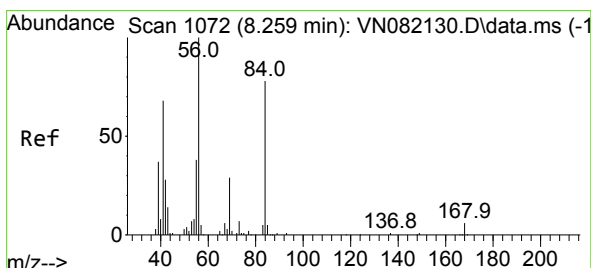
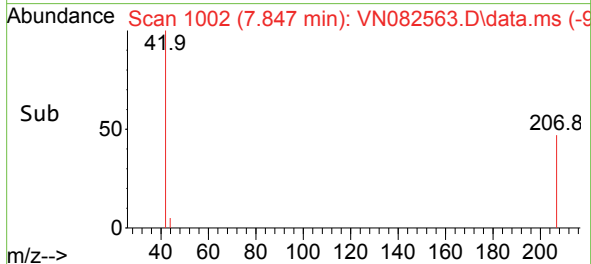
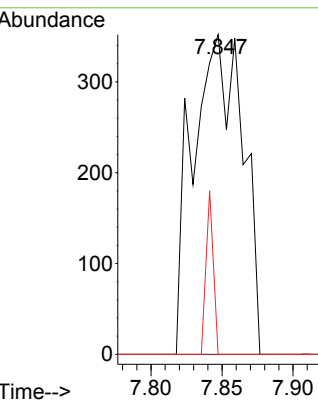
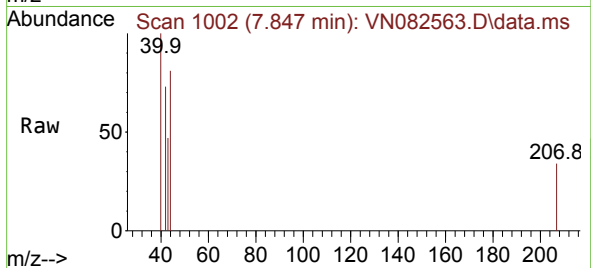
Instrument :

MSVOA_N

ClientSampleId :

11

Tgt Ion: 42	Resp: 861
Ion Ratio	Lower Upper
42	100
72	0.0 39.3 58.9#
71	7.3 37.4 56.0#



#31

Cyclohexane

Concen: 1.137 ug/l

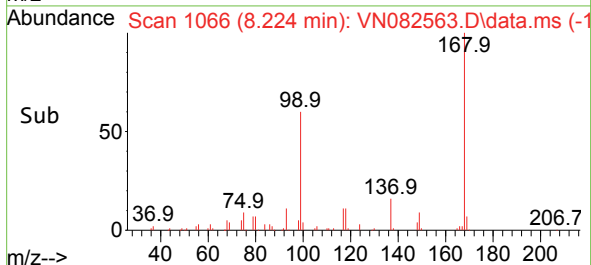
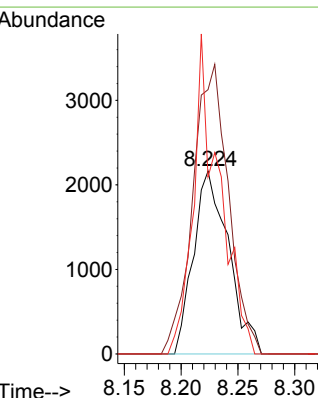
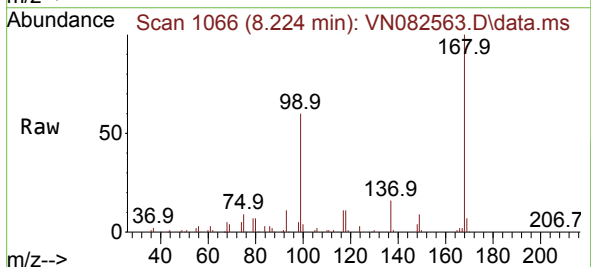
RT: 8.224 min Scan# 1066

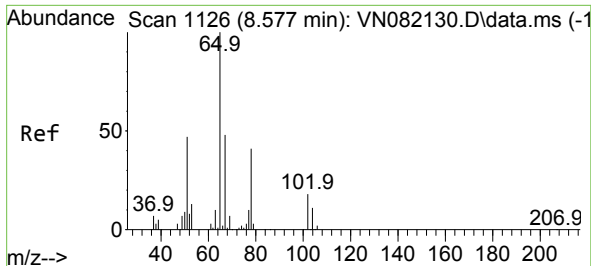
Delta R.T. -0.035 min

Lab File: VN082563.D

Acq: 13 Jun 2024 16:44

Tgt Ion: 56	Resp: 4634
Ion Ratio	Lower Upper
56	100
69	144.5 24.4 36.6#
84	96.7 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 53.371 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082563.D

Acq: 13 Jun 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

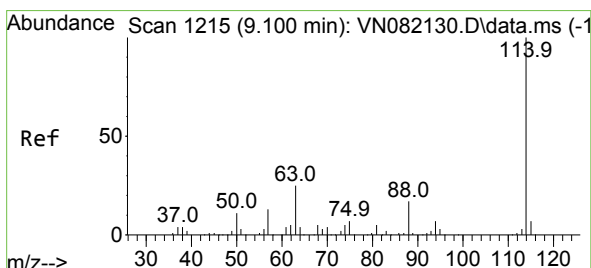
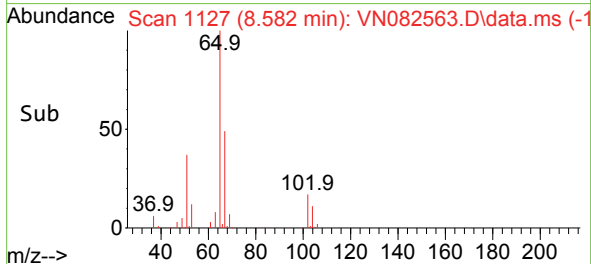
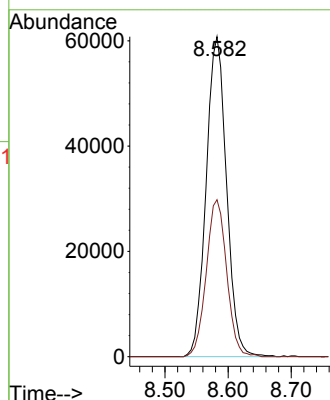
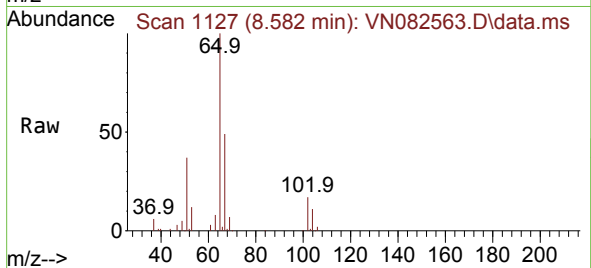
11

Tgt Ion: 65 Resp: 136183

Ion Ratio Lower Upper

65 100

67 49.2 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: VN082563.D

Acq: 13 Jun 2024 16:44

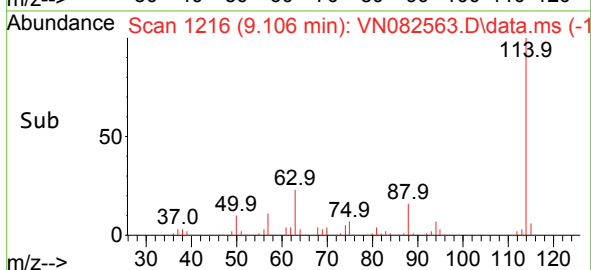
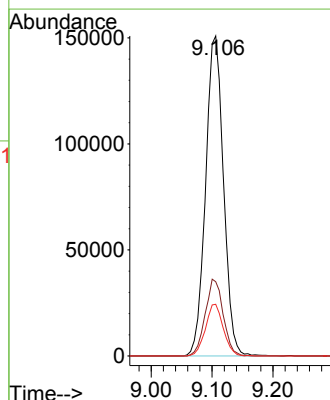
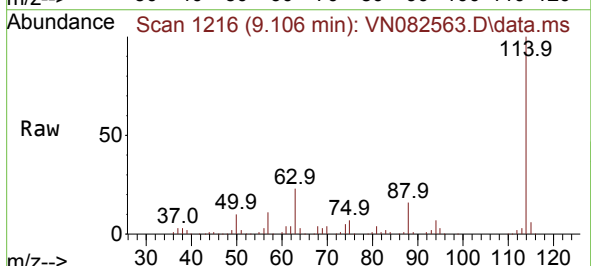
Tgt Ion: 114 Resp: 308454

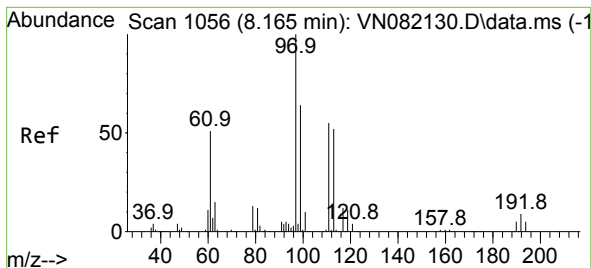
Ion Ratio Lower Upper

114 100

63 23.2 0.0 41.0

88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.037 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN082563.D

Acq: 13 Jun 2024 16:44

Instrument :

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ClientSampleId :

11

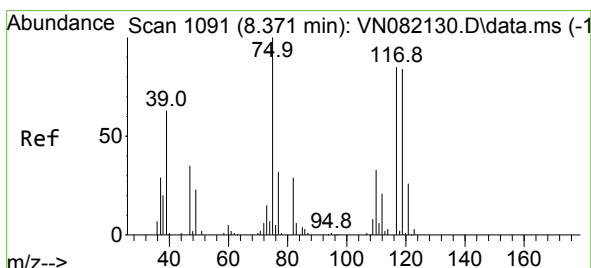
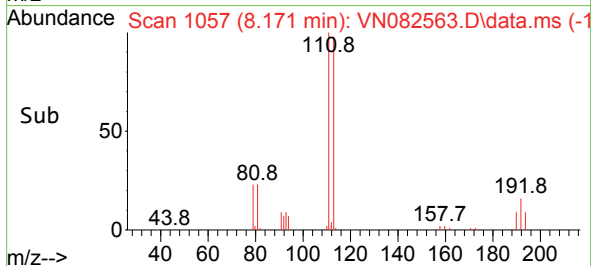
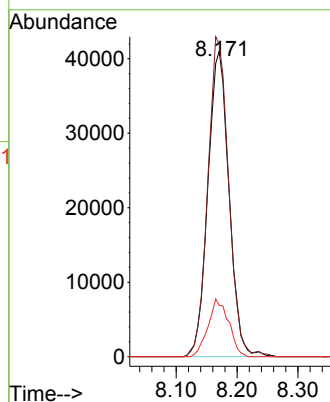
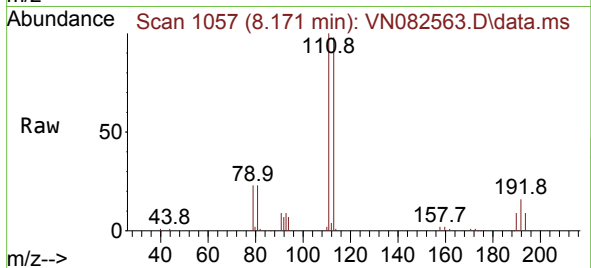
Tgt Ion:113 Resp: 98738

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

192 18.4 14.0 21.0



#36

1,1-Dichloropropene

Concen: 4.743 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN082563.D

Acq: 13 Jun 2024 16:44

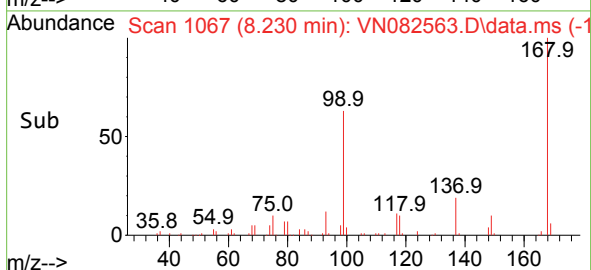
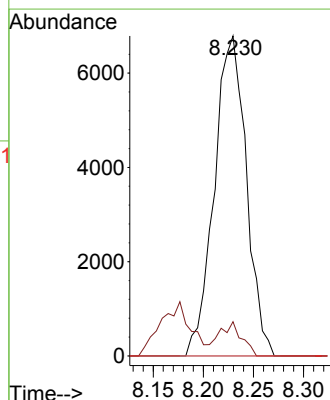
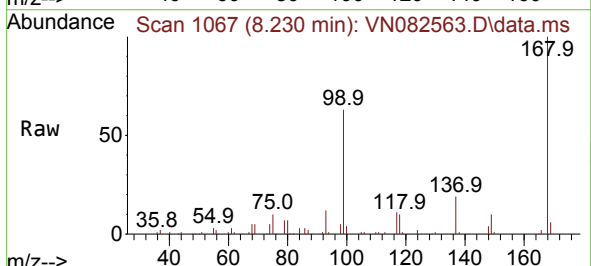
Tgt Ion: 75 Resp: 15093

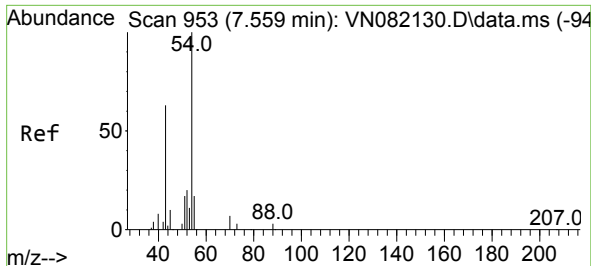
Ion Ratio Lower Upper

75 100

110 7.3 17.8 53.5#

77 0.0 25.0 37.4#

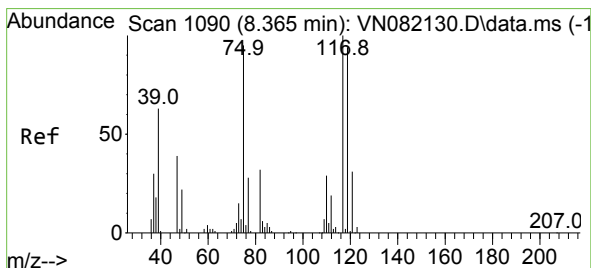
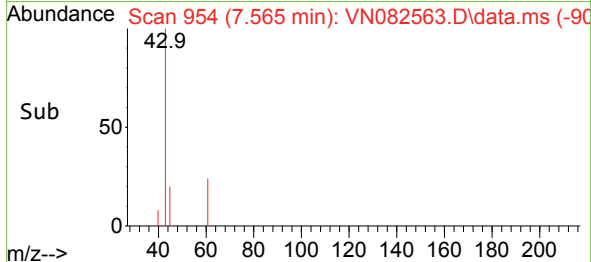
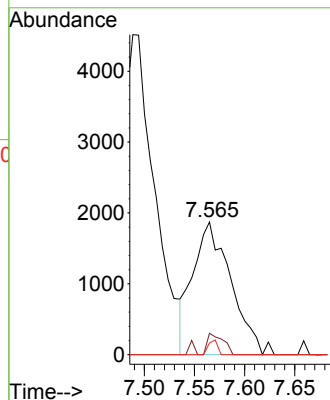
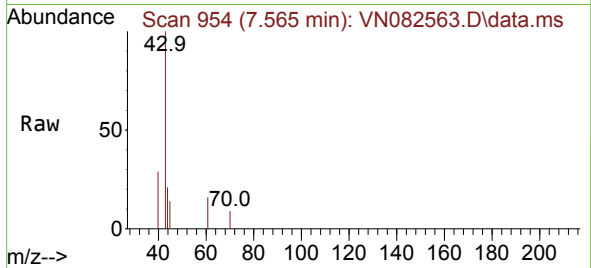




#37
Ethyl Acetate
Concen: 1.394 ug/l
RT: 7.565 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

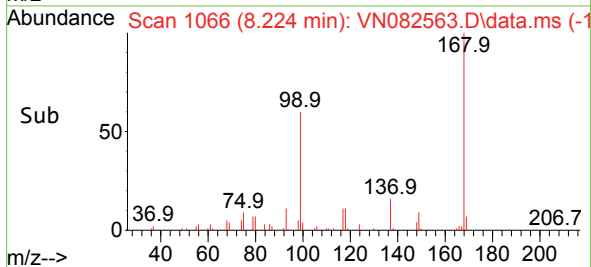
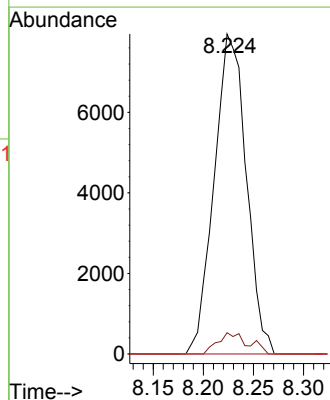
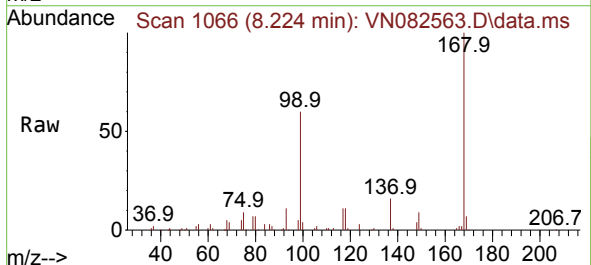
Instrument :
MSVOA_N
ClientSampleId :
11

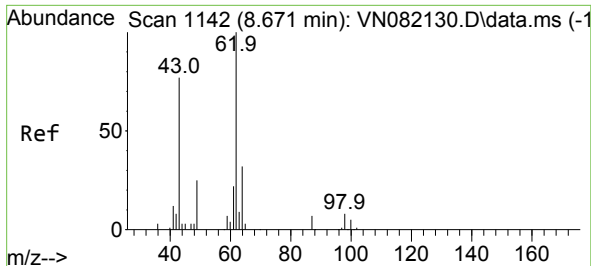
Tgt Ion: 43 Resp: 4963
Ion Ratio Lower Upper
43 100
61 6.7 11.3 16.9#
70 2.7 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.485 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

Tgt Ion: 117 Resp: 17696
Ion Ratio Lower Upper
117 100
119 6.7 76.5 114.7#
121 0.0 23.9 35.9#

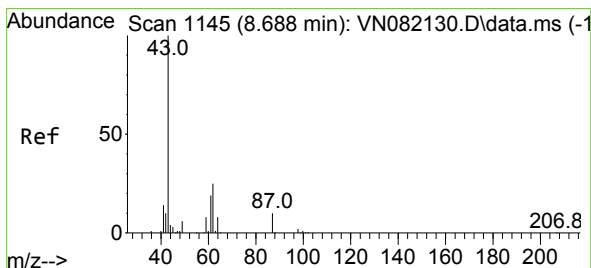
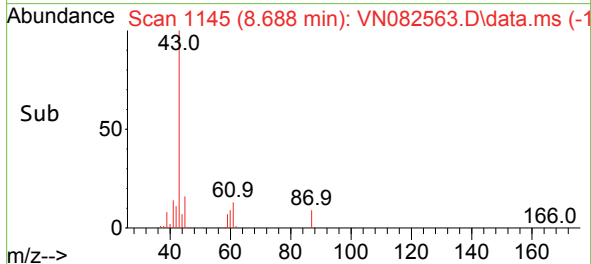
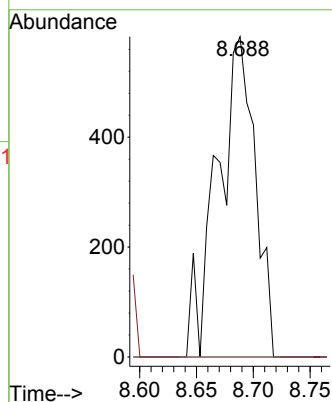
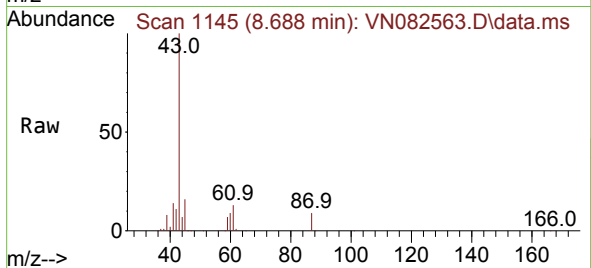




#42
1,2-Dichloroethane
Concen: 0.370 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

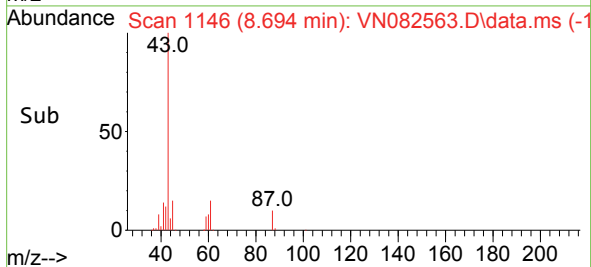
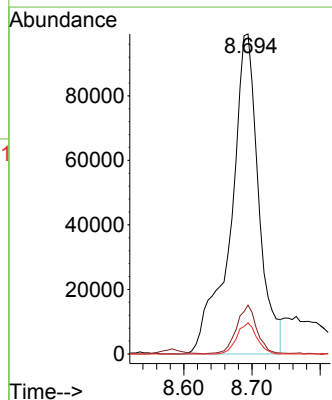
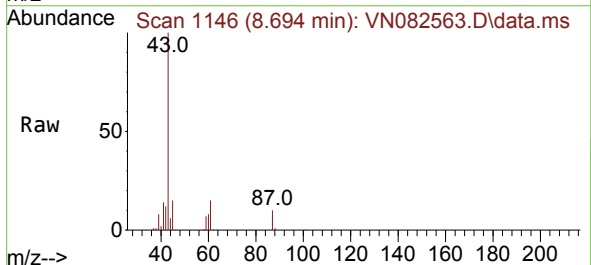
Instrument :
MSVOA_N
ClientSampleId :
11

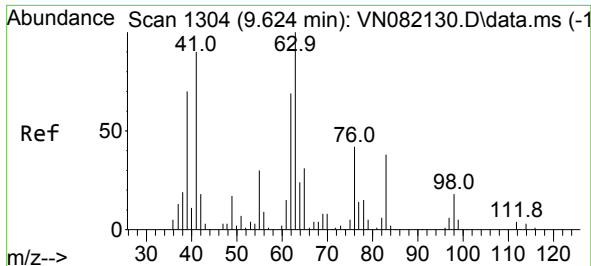
Tgt Ion: 62 Resp: 1349
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



#43
Isopropyl Acetate
Concen: 44.815 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

Tgt Ion: 43 Resp: 282811
Ion Ratio Lower Upper
43 100
61 11.2 22.8 34.2#
87 6.9 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.800 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082563.D

Acq: 13 Jun 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

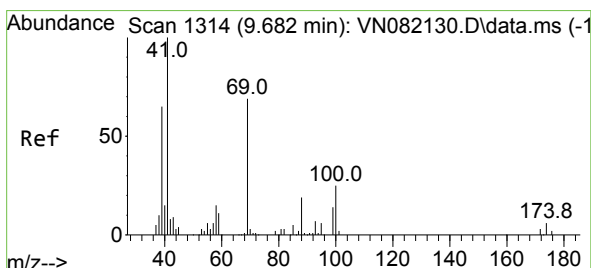
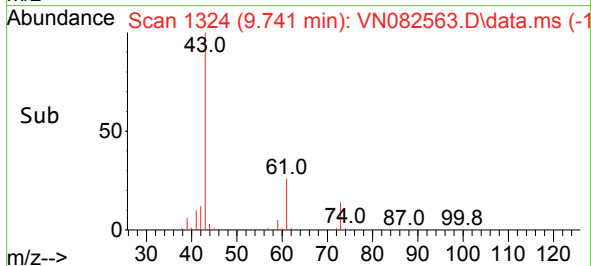
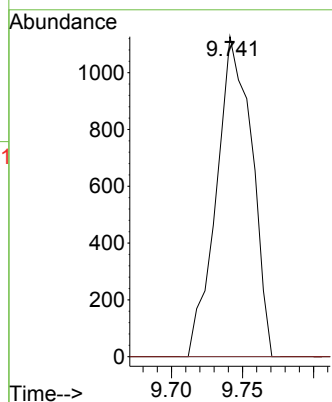
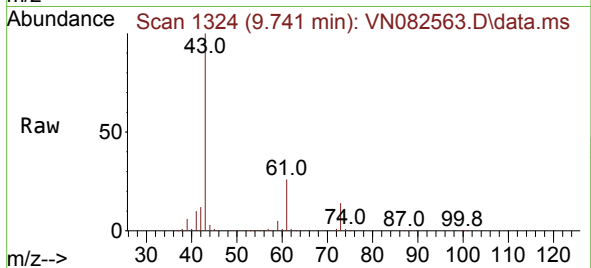
11

Tgt Ion: 63 Resp: 1958

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.912 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082563.D

Acq: 13 Jun 2024 16:44

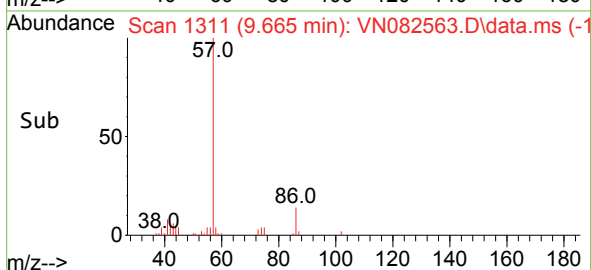
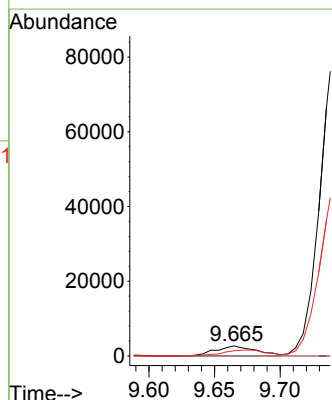
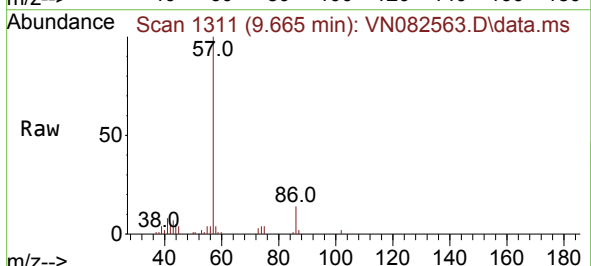
Tgt Ion: 41 Resp: 5748

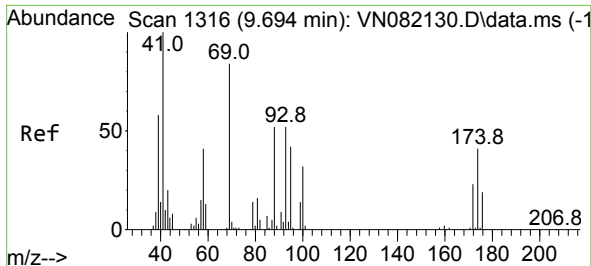
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 62.2 50.9 76.3





#49

1,4-Dioxane

Concen: 1.282 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN082563.D

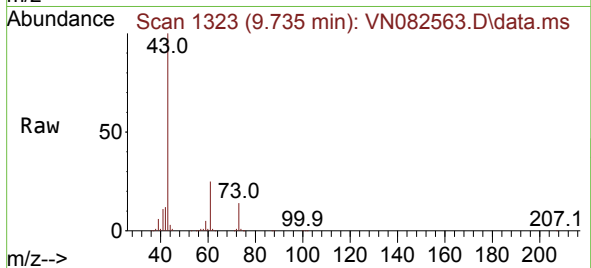
Acq: 13 Jun 2024 16:44

Instrument :

MSVOA_N

ClientSampleId :

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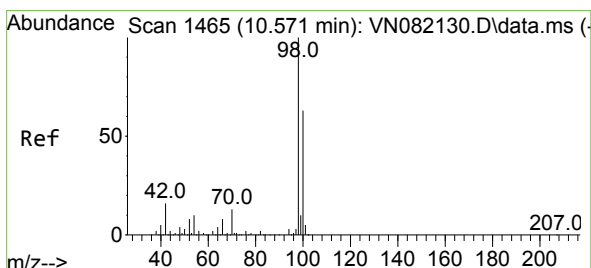
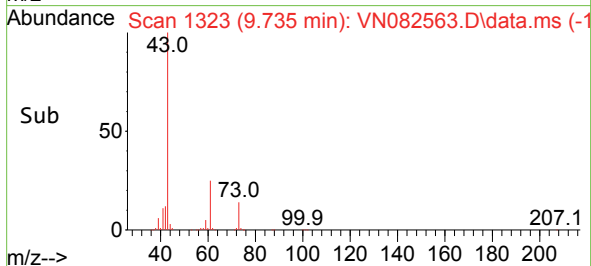
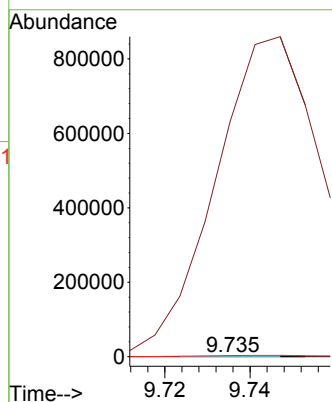
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 2871298.1 19.0 28.6#

58 13490.7 50.6 76.0#



#50

Toluene-d8

Concen: 52.952 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082563.D

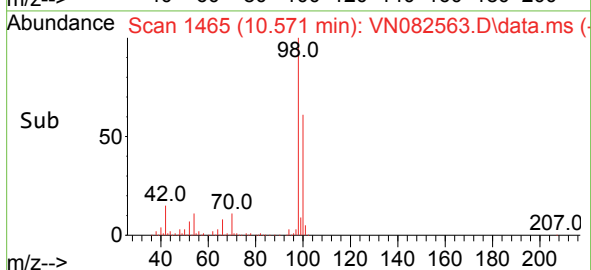
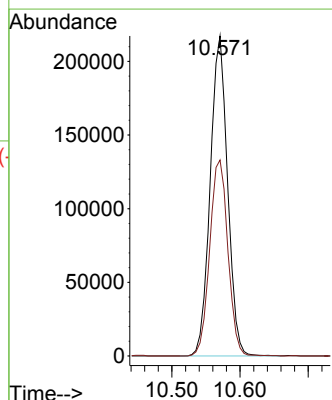
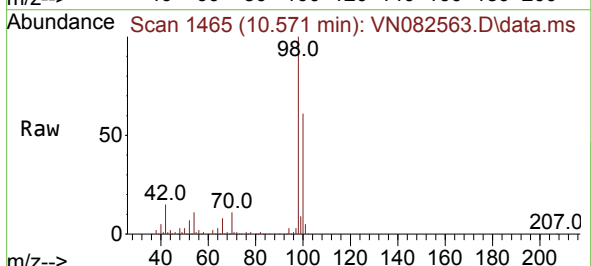
Acq: 13 Jun 2024 16:44

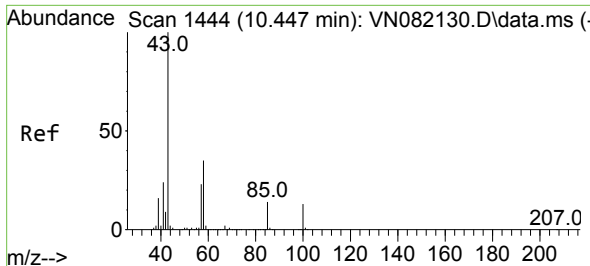
Tgt Ion: 98 Resp: 385210

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.6

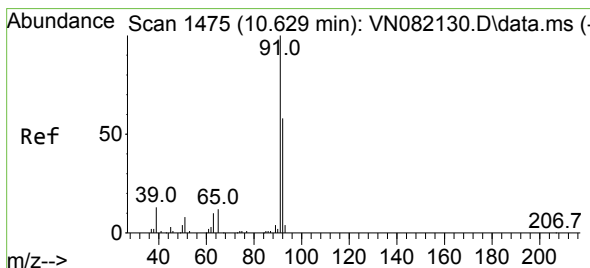
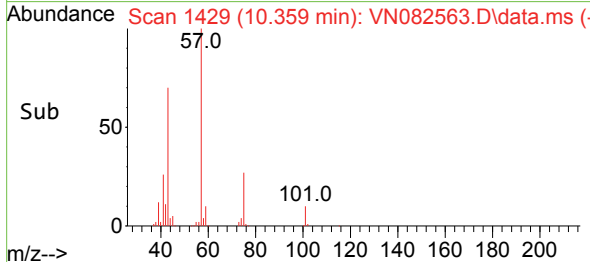
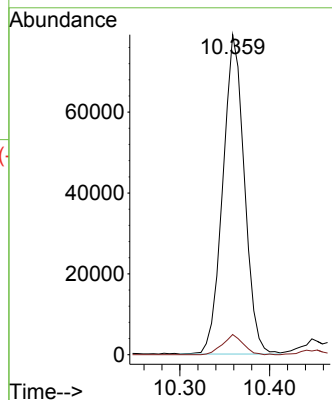
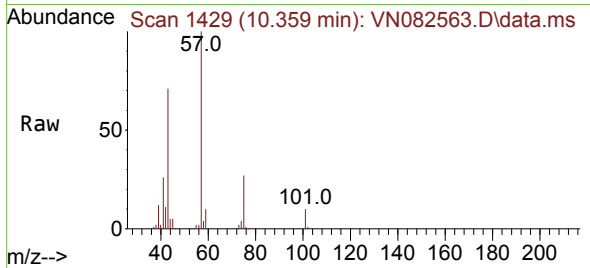




#51
4-Methyl-2-Pentanone
Concen: 36.781 ug/l
RT: 10.359 min Scan# 1444
Delta R.T. -0.088 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

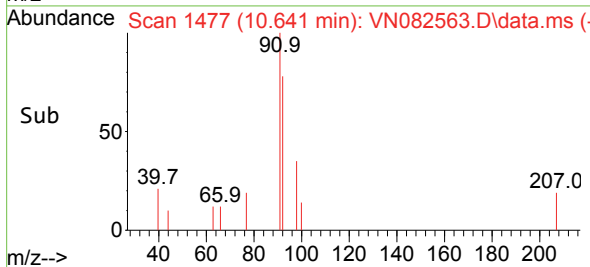
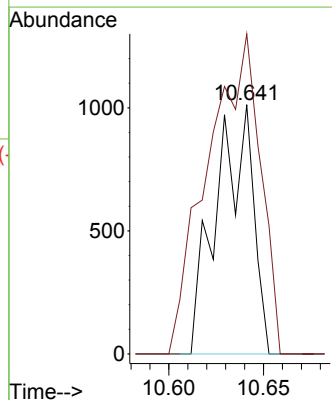
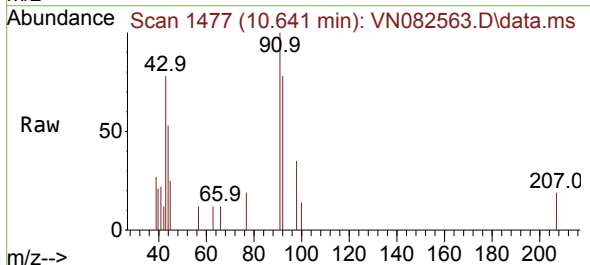
Instrument :
MSVOA_N
ClientSampleId :
11

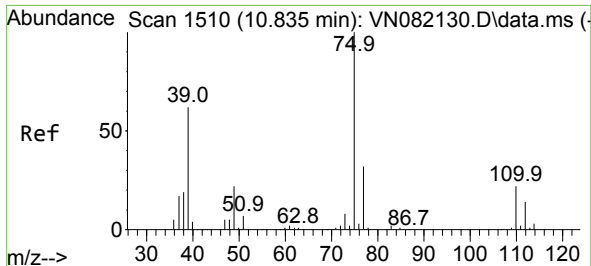
Tgt Ion: 43 Resp: 131878
Ion Ratio Lower Upper
43 100
58 6.0 33.2 49.8#



#52
Toluene
Concen: 0.239 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.012 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

Tgt Ion: 92 Resp: 1360
Ion Ratio Lower Upper
92 100
91 183.9 136.7 205.1

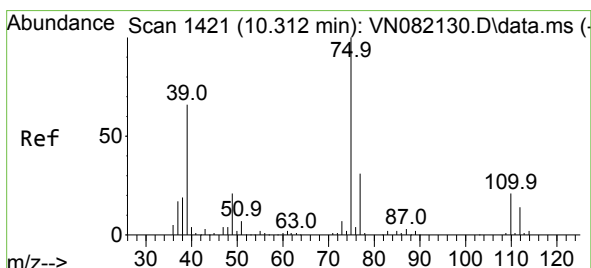
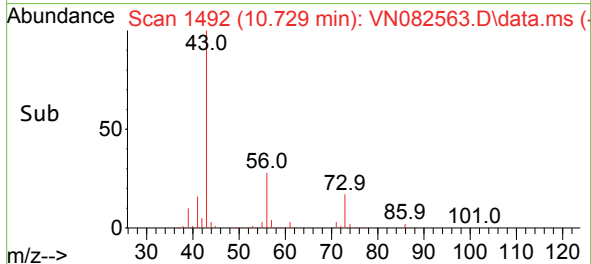
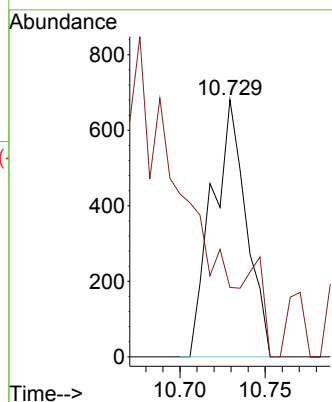
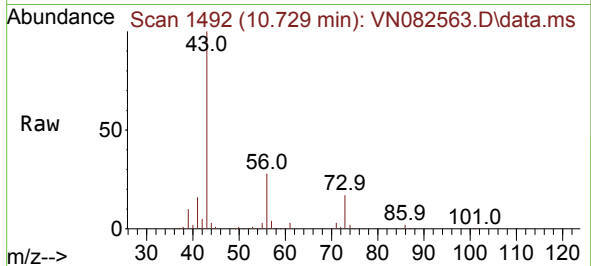




#53
 t-1,3-Dichloropropene
 Concen: 0.269 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082563.D
 Acq: 13 Jun 2024 16:44

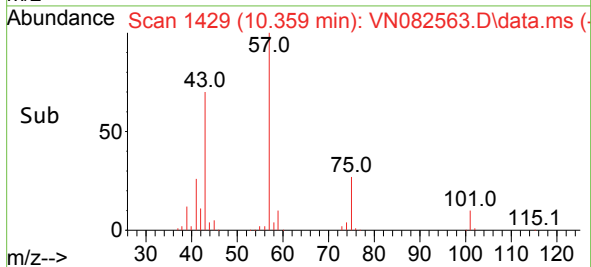
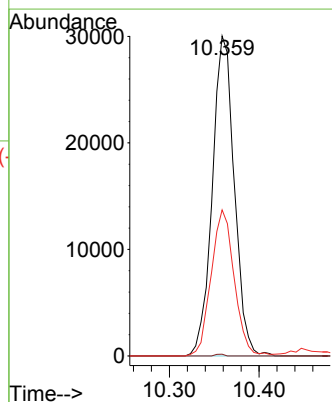
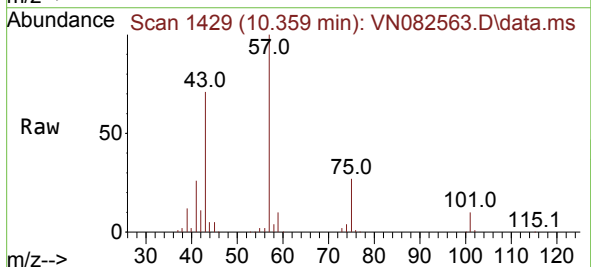
Instrument :
 MSVOA_N
 ClientSampleId :
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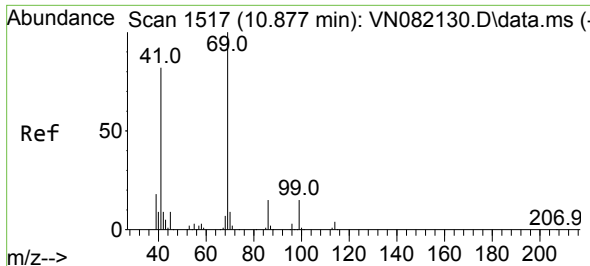
Tgt Ion: 75 Resp: 945
 Ion Ratio Lower Upper
 75 100
 77 27.0 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 13.768 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082563.D
 Acq: 13 Jun 2024 16:44

Tgt Ion: 75 Resp: 51150
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 45.0 34.8 52.2

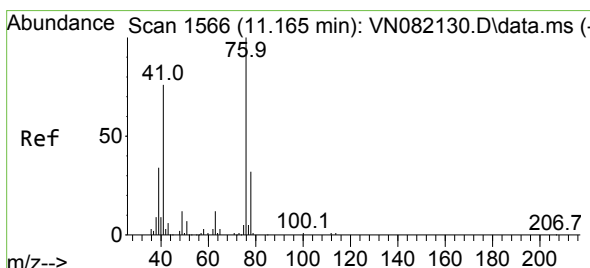
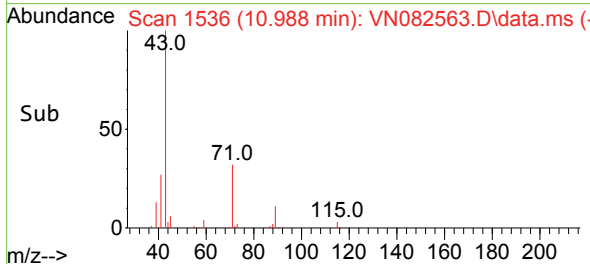
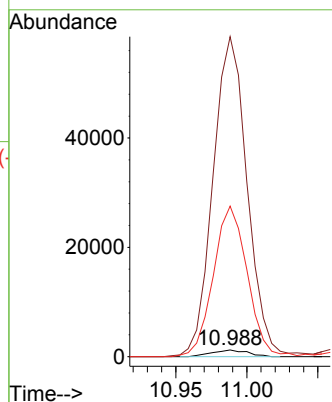
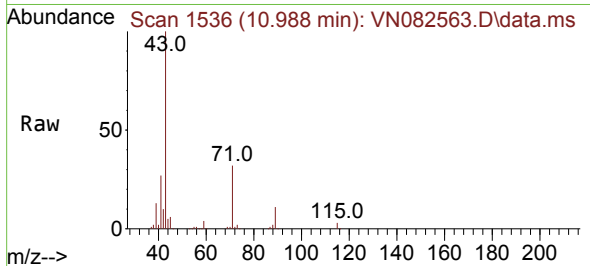




#56
Ethyl methacrylate
Concen: 0.613 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

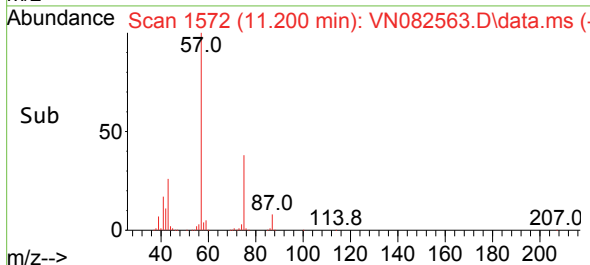
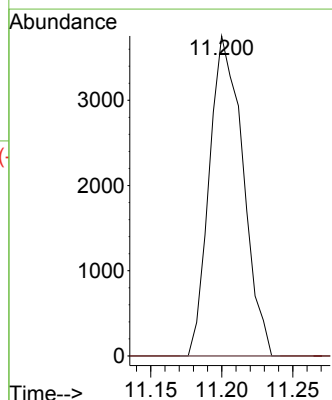
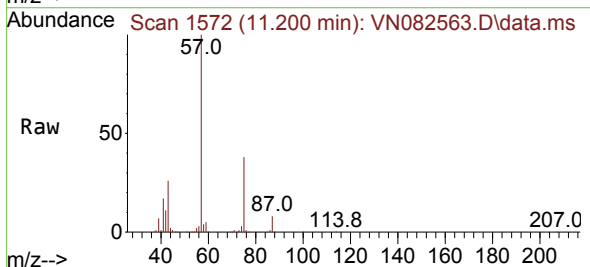
Instrument :
MSVOA_N
ClientSampleId :
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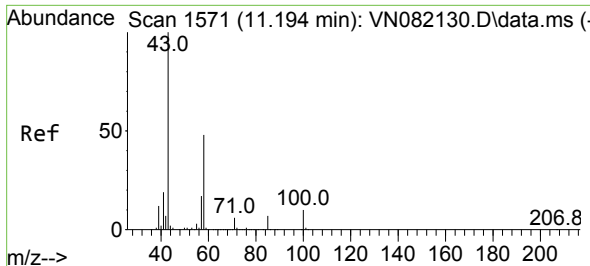
Tgt Ion: 69 Resp: 2153
Ion Ratio Lower Upper
69 100
41 4570.6 46.6 70.0#
39 2128.3 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.594 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

Tgt Ion: 76 Resp: 6167
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

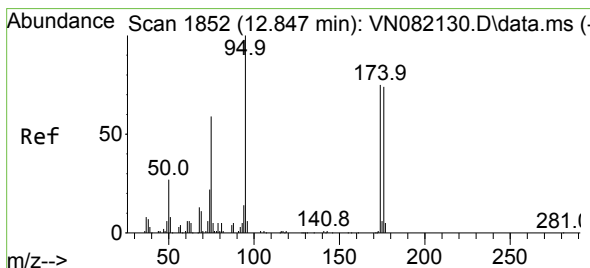
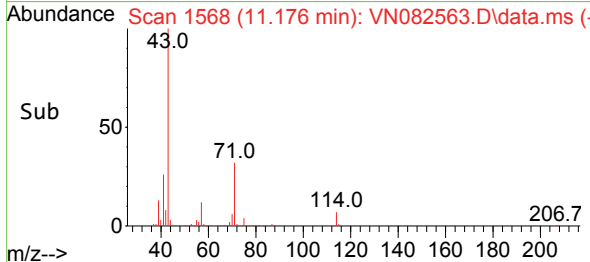
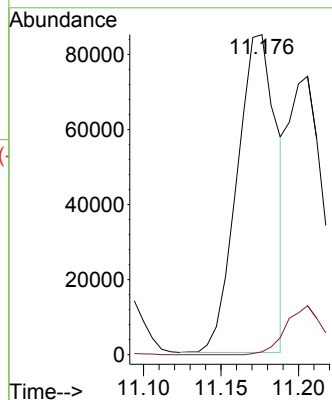
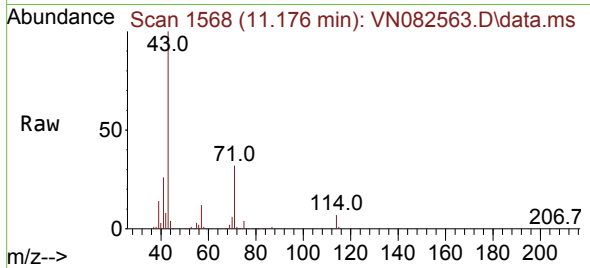




#59
2-Hexanone
Concen: 57.311 ug/l
RT: 11.176 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

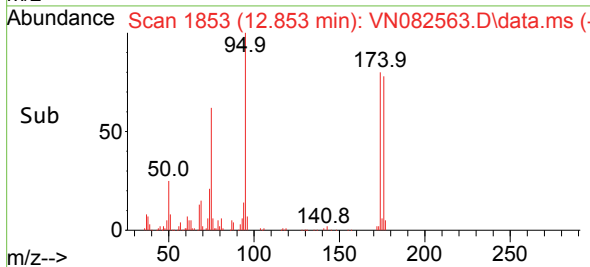
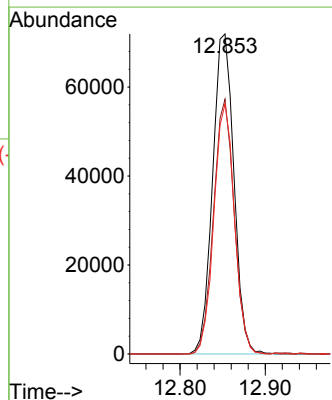
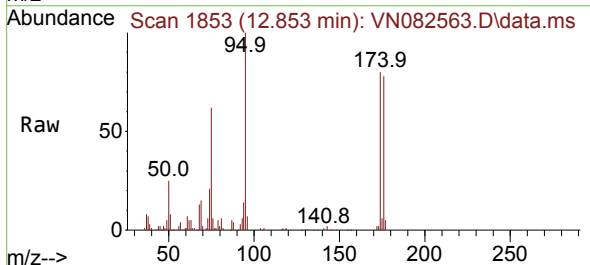
Instrument :
MSVOA_N
ClientSampleId :
11

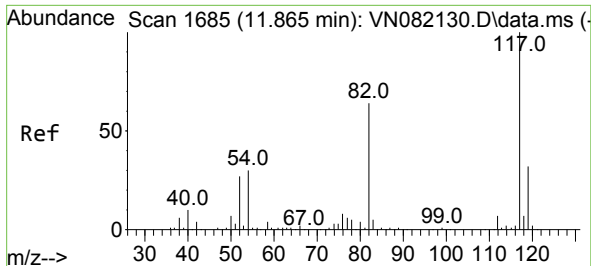
Tgt Ion: 43 Resp: 150460
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 48.060 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

Tgt Ion: 95 Resp: 124788
Ion Ratio Lower Upper
95 100
174 77.2 0.0 160.6
176 75.4 0.0 152.8

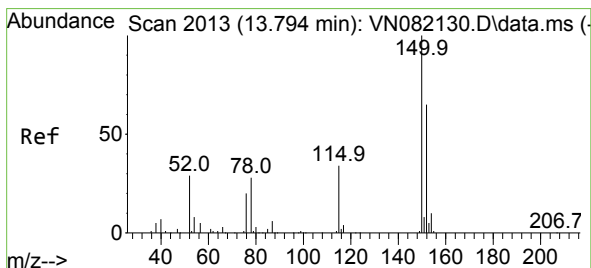
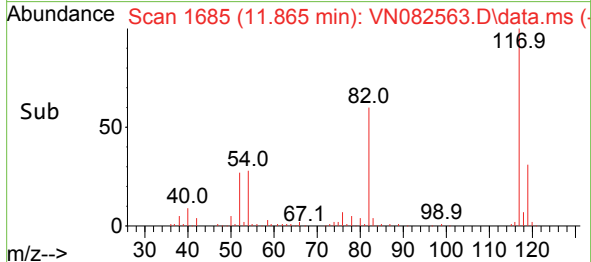
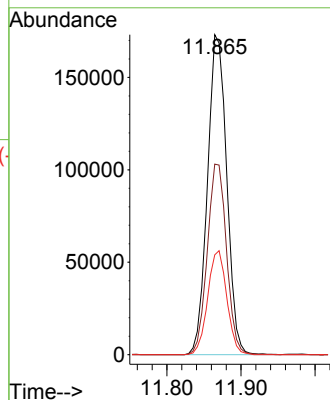
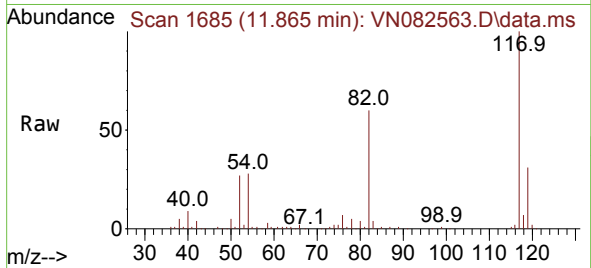




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

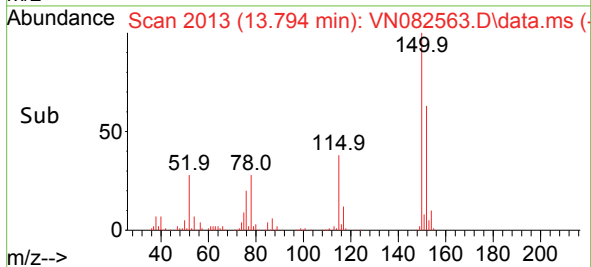
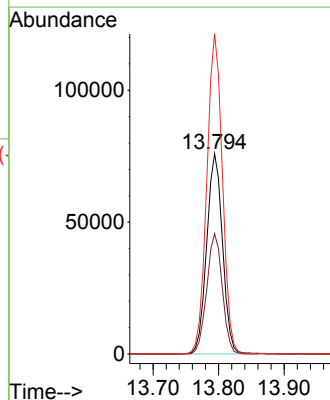
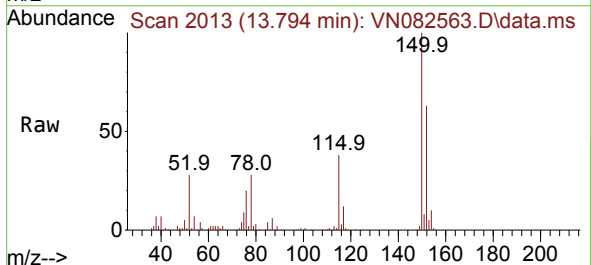
Instrument :
MSVOA_N
ClientSampleId :
11

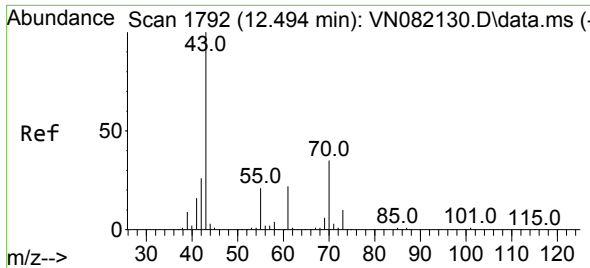
Tgt Ion:117 Resp: 312788
Ion Ratio Lower Upper
117 100
82 59.6 44.6 66.8
119 31.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

Tgt Ion:152 Resp: 127565
Ion Ratio Lower Upper
152 100
115 58.8 30.4 91.3
150 157.3 0.0 353.2

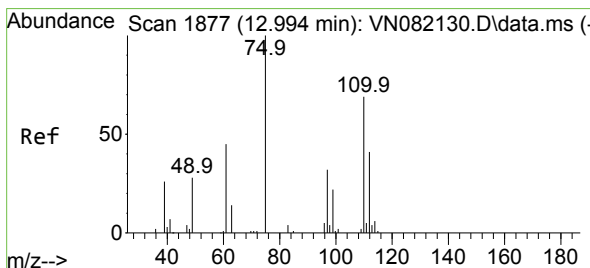
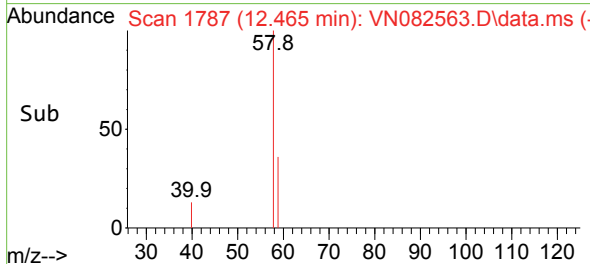
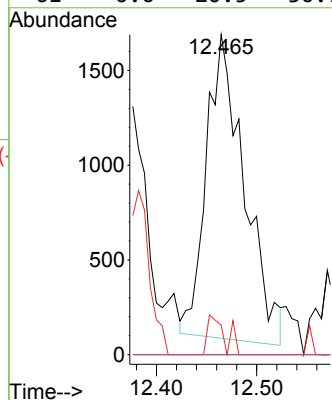
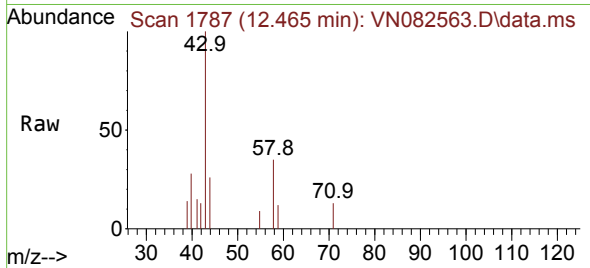




#74
N-amy1 acetate
Concen: 0.757 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

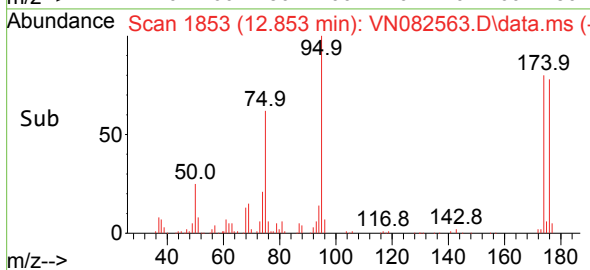
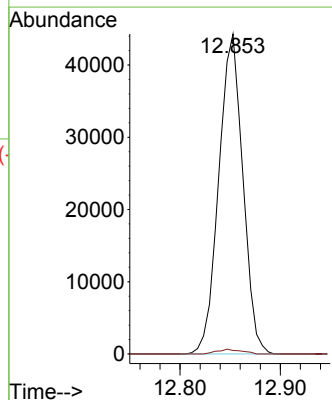
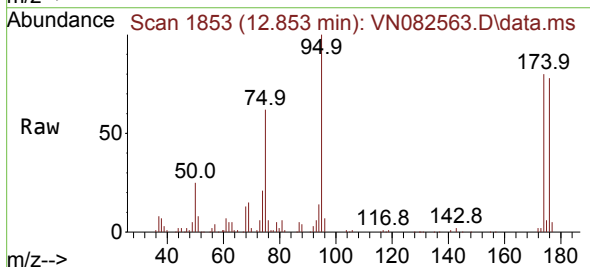
Instrument :
MSVOA_N
ClientSampleId :
11

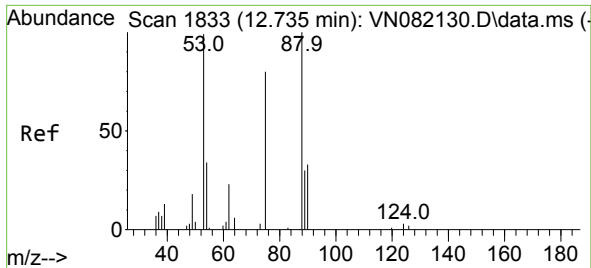
Tgt Ion: 43	Resp:	4220	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	4.6	21.3	31.9#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 27.462 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082563.D
Acq: 13 Jun 2024 16:44

Tgt Ion: 75	Resp: 73734
Ion Ratio	Lower Upper
75 100	
77 1.5	90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.233 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082563.D
 Acq: 13 Jun 2024 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 11

Tgt Ion: 75 Resp: 73734
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.9 109.3#
 89 0.0 39.1 58.7#

