

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071724\
 Data File : VN082968.D
 Acq On : 17 Jul 2024 17:12
 Operator : JC\MD
 Sample : P3266-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-2

Quant Time: Jul 18 05:27:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

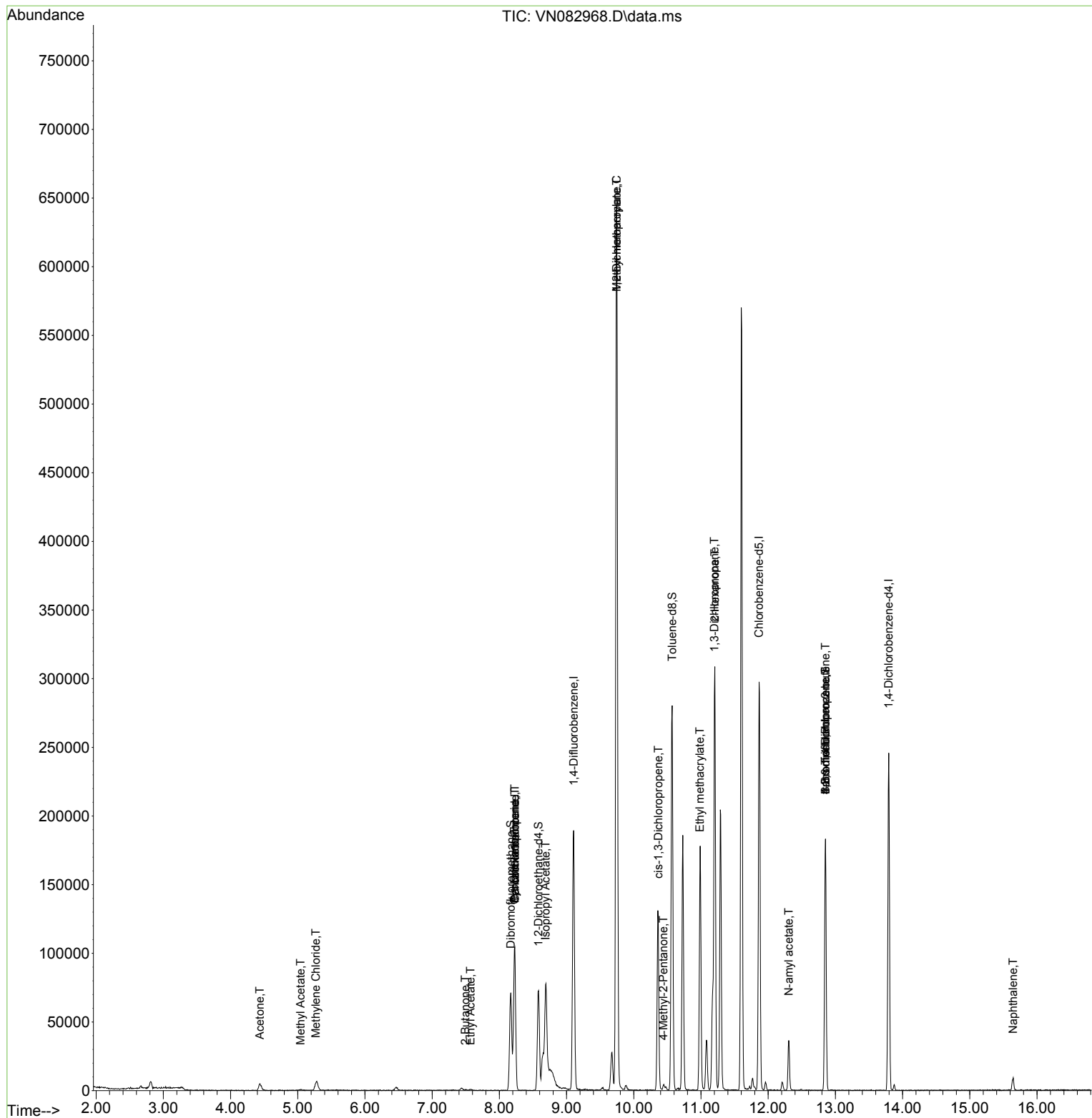
Internal Standards						
1) Pentafluorobenzene	8.229	168	72084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	155927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	165301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	63515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	60286	59.661	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.320%	
35) Dibromofluoromethane	8.171	113	49582	49.555	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.120%	
50) Toluene-d8	10.570	98	190291	51.493	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.980%	
62) 4-Bromofluorobenzene	12.853	95	58769	44.272	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 88.540%	
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	9881	27.774	ug/l	96
18) Methyl Acetate	5.041	43	1028	1.092	ug/l #	56
20) Methylene Chloride	5.271	84	5301	6.170	ug/l #	69
25) 2-Butanone	7.494	43	968	1.802	ug/l #	49
31) Cyclohexane	8.224	56	2042	1.546	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	6625	4.802	ug/l #	46
37) Ethyl Acetate	7.571	43	1750	1.246	ug/l #	72
38) Carbon Tetrachloride	8.229	117	8504	5.120	ug/l #	19
43) Isopropyl Acetate	8.688	43	114597	42.849	ug/l #	83
45) 1,2-Dichloropropane	9.747	63	848	0.856	ug/l #	44
48) Methyl methacrylate	9.747	41	64075	58.184	ug/l #	54
51) 4-Methyl-2-Pentanone	10.441	43	2558	1.837	ug/l	100
54) cis-1,3-Dichloropropene	10.365	75	22085	12.701	ug/l #	64
56) Ethyl methacrylate	10.982	69	993	0.655	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3109	1.802	ug/l #	43
59) 2-Hexanone	11.206	43	43520	42.041	ug/l #	58
71) Bromoform	12.853	173	606	0.612	ug/l #	1
74) N-amyl acetate	12.306	43	10694	5.602	ug/l #	56
76) 1,2,3-Trichloropropane	12.853	75	33424	30.523	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	33424	60.030	ug/l #	6
95) Naphthalene	15.647	128	9172	2.381	ug/l	98

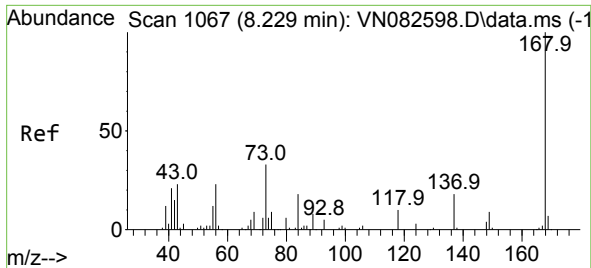
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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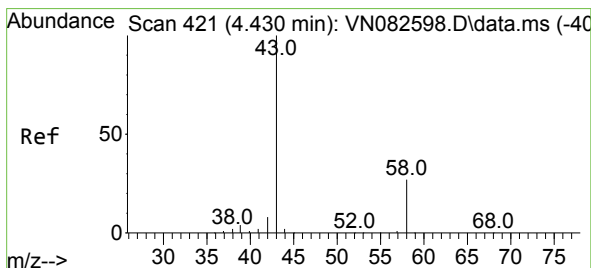
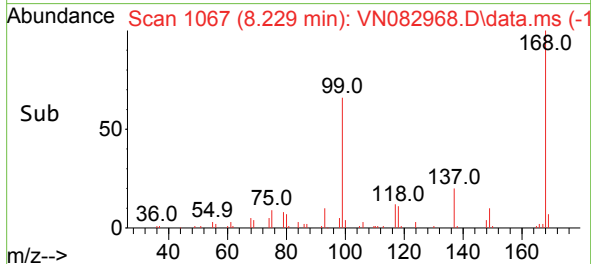
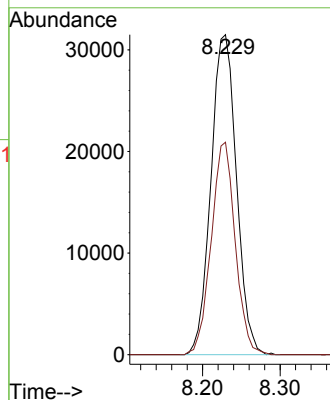
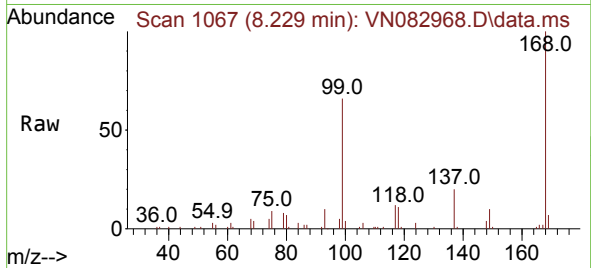




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

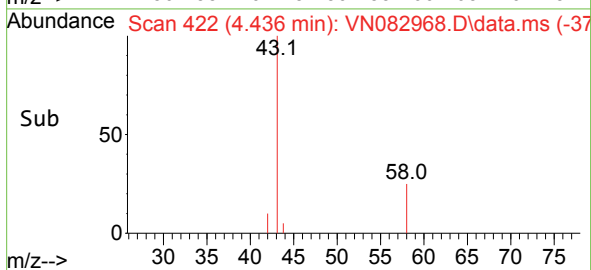
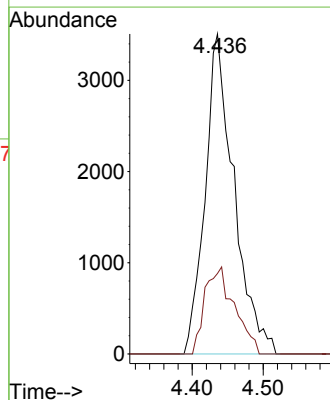
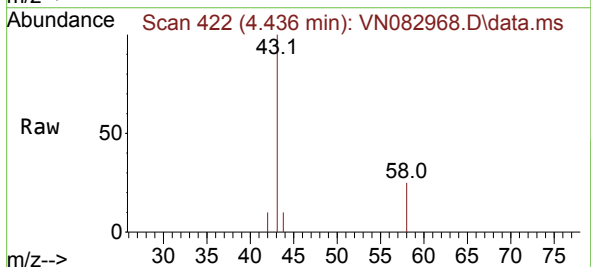
Instrument :
MSVOA_N
ClientSampleId :
SP-2

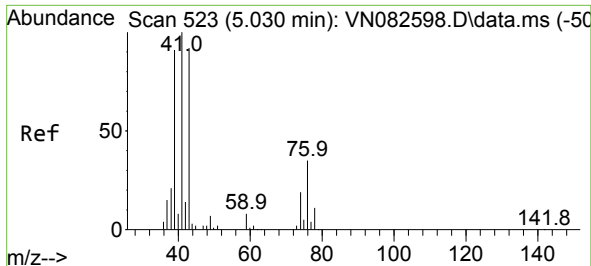
Tgt Ion:168 Resp: 72084
Ion Ratio Lower Upper
168 100
99 66.4 48.2 72.4



#16
Acetone
Concen: 27.774 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

Tgt Ion: 43 Resp: 9881
Ion Ratio Lower Upper
43 100
58 25.1 21.8 32.6





#18

Methyl Acetate

Concen: 1.092 ug/l

RT: 5.041 min Scan# 51

Delta R.T. 0.011 min

Lab File: VN082968.D

Acq: 17 Jul 2024 17:12

Instrument :

MSVOA_N

ClientSampleId :

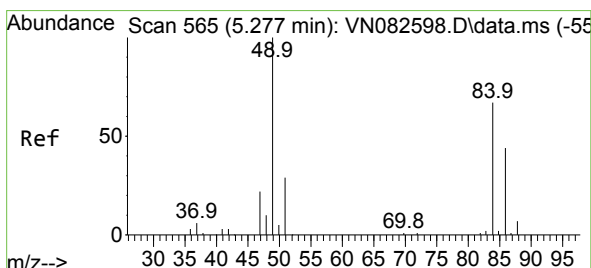
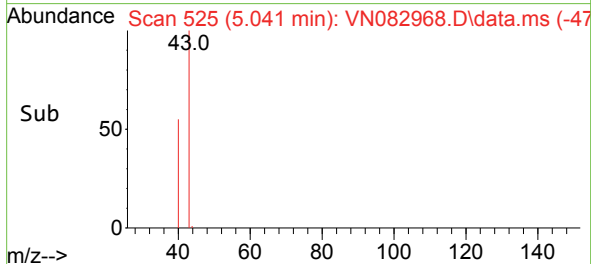
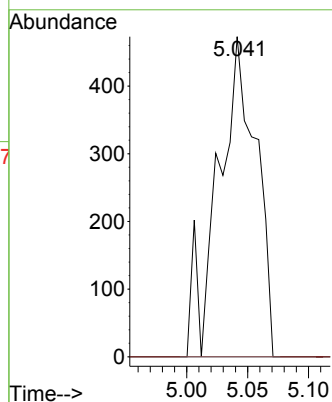
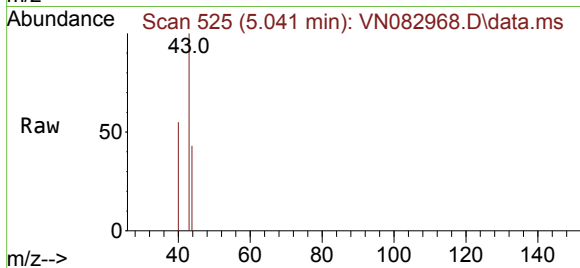
SP-2

Tgt Ion: 43 Resp: 1028

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#



#20

Methylene Chloride

Concen: 6.170 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN082968.D

Acq: 17 Jul 2024 17:12

Tgt Ion: 84 Resp: 5301

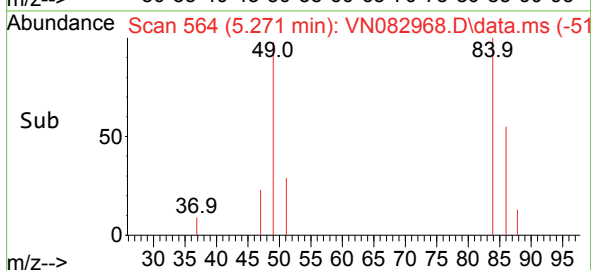
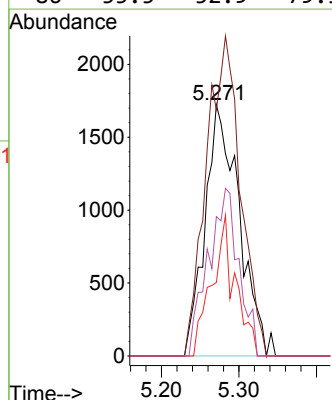
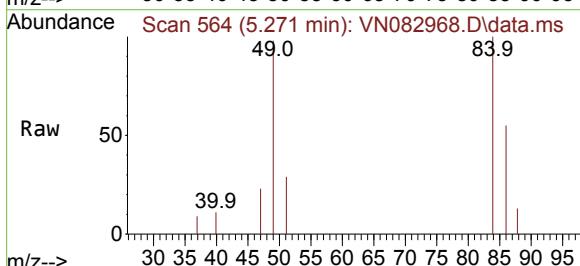
Ion Ratio Lower Upper

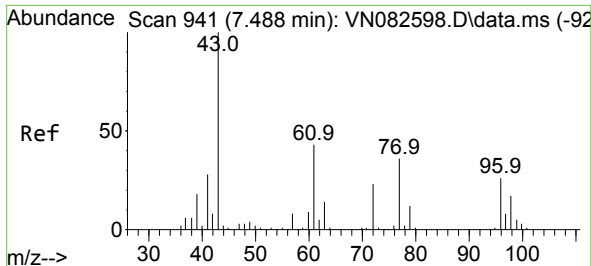
84 100

49 98.0 119.6 179.4#

51 29.2 34.8 52.2#

86 55.5 52.9 79.3

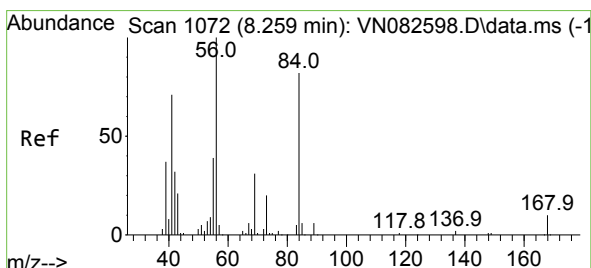
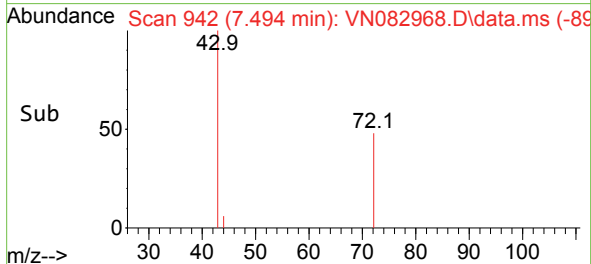
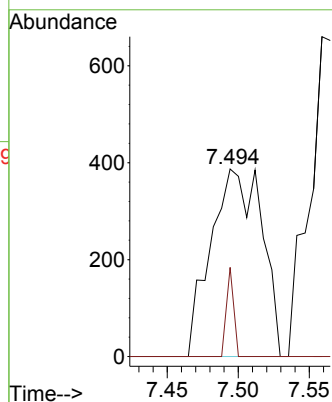
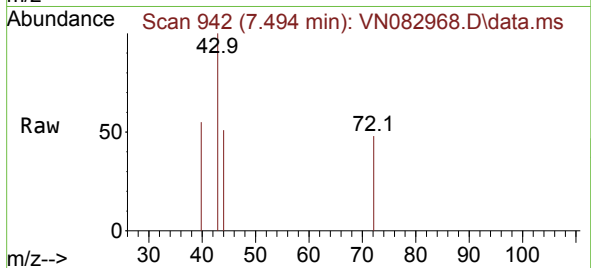




#25
2-Butanone
Concen: 1.802 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

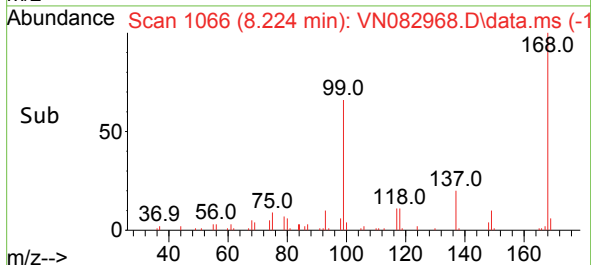
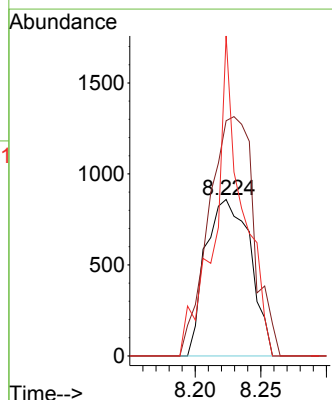
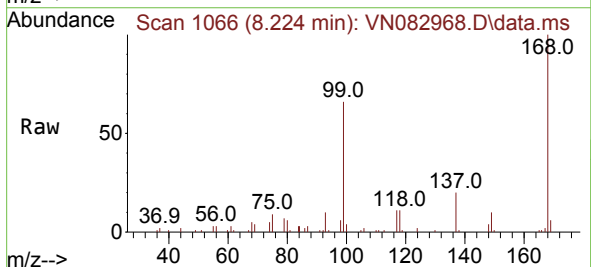
Instrument :
MSVOA_N
ClientSampleId :
SP-2

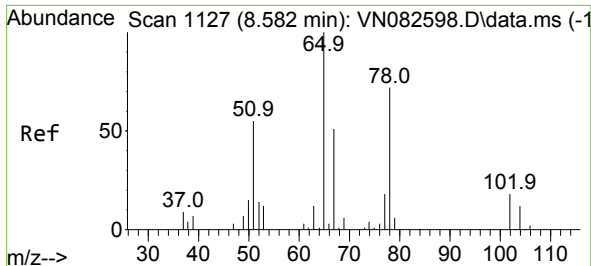
Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
72 47.5 18.2 27.2#



#31
Cyclohexane
Concen: 1.546 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

Tgt Ion: 56 Resp: 2042
Ion Ratio Lower Upper
56 100
69 150.2 24.5 36.7#
84 204.4 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 59.661 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082968.D

Acq: 17 Jul 2024 17:12

Instrument :

MSVOA_N

ClientSampleId :

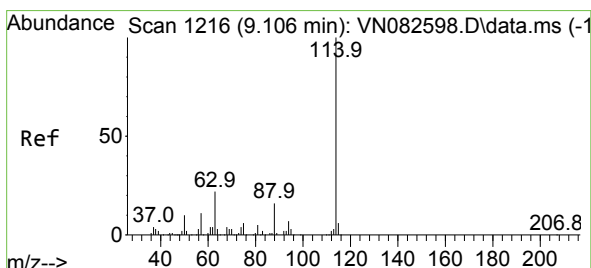
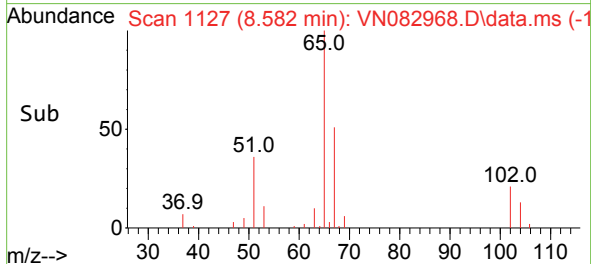
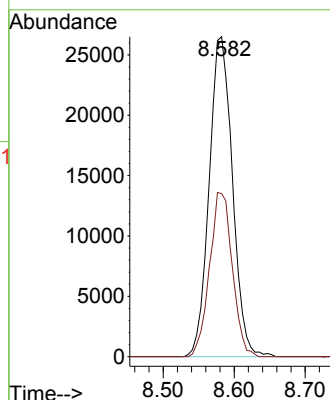
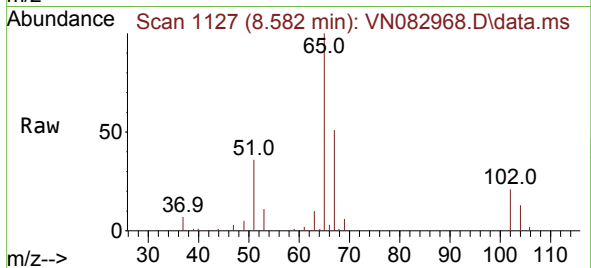
SP-2

Tgt Ion: 65 Resp: 60286

Ion Ratio Lower Upper

65 100

67 50.2 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: VN082968.D

Acq: 17 Jul 2024 17:12

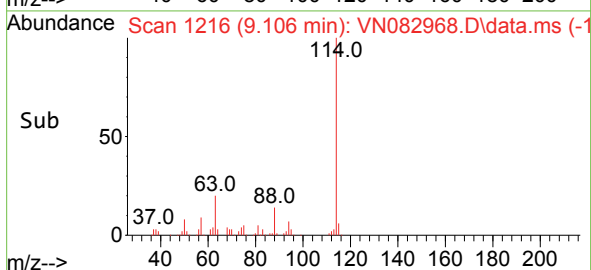
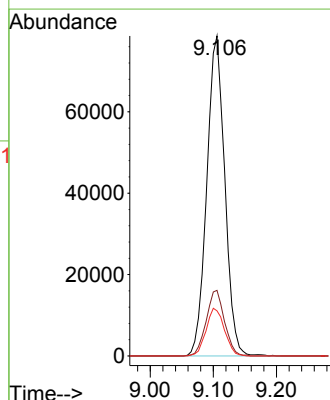
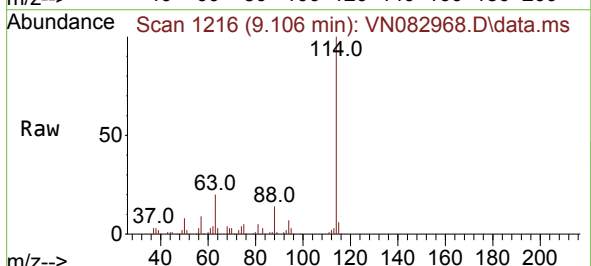
Tgt Ion: 114 Resp: 155927

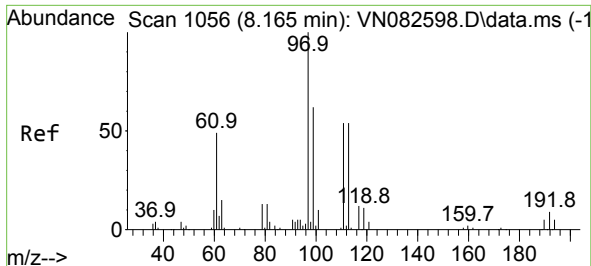
Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.6

88 14.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.555 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082968.D

Acq: 17 Jul 2024 17:12

Instrument :

MSVOA_N

ClientSampleId :

SP-2

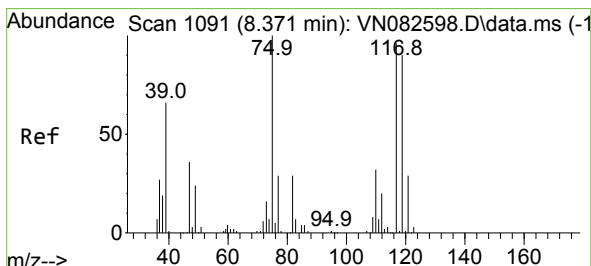
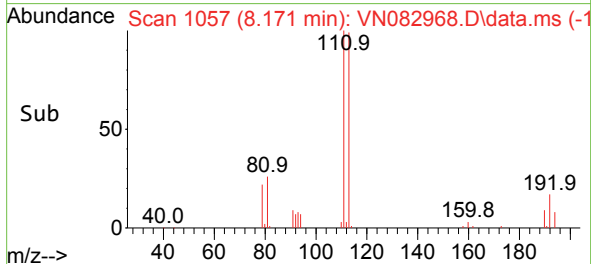
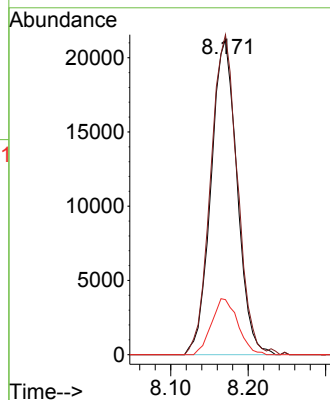
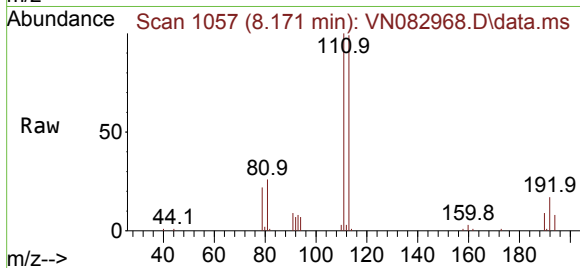
Tgt Ion:113 Resp: 49582

Ion Ratio Lower Upper

113 100

111 104.4 82.4 123.6

192 17.9 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.802 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.142 min

Lab File: VN082968.D

Acq: 17 Jul 2024 17:12

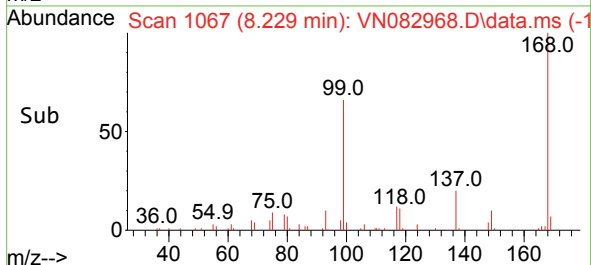
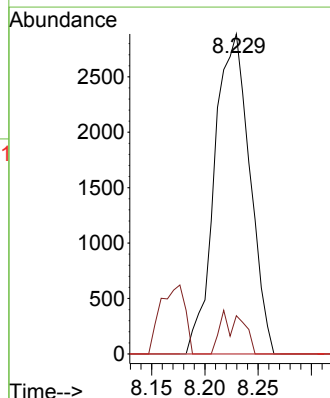
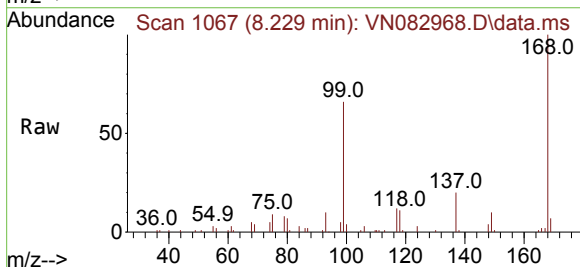
Tgt Ion: 75 Resp: 6625

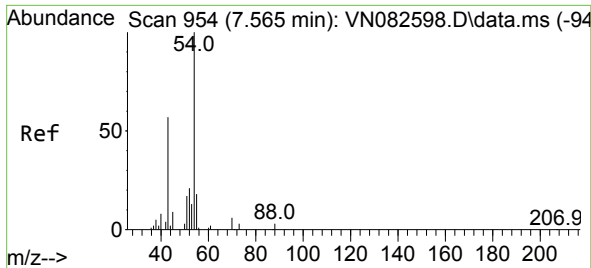
Ion Ratio Lower Upper

75 100

110 3.8 16.3 48.9#

77 0.0 24.6 37.0#

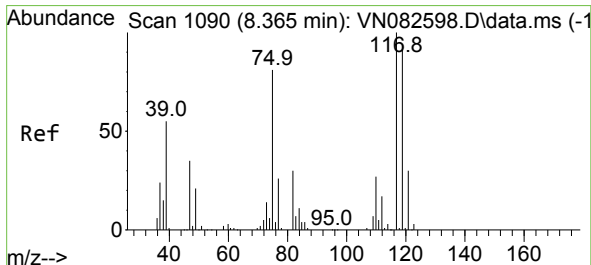
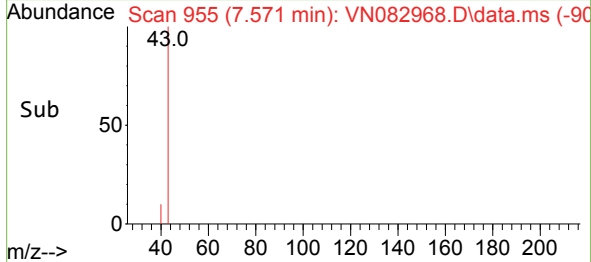
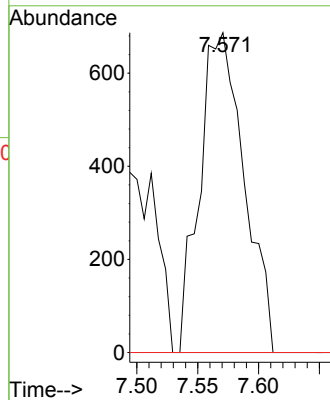
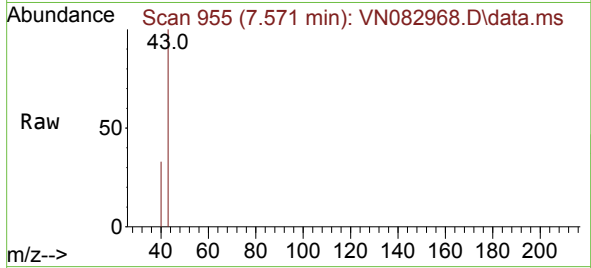




#37
Ethyl Acetate
Concen: 1.246 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

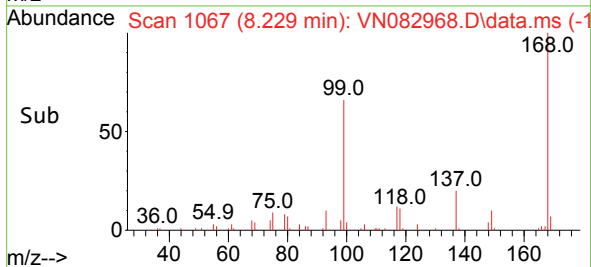
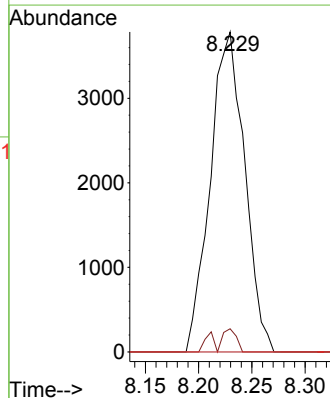
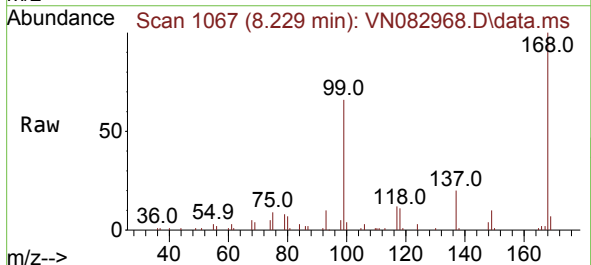
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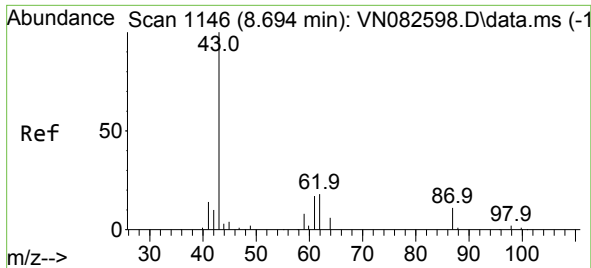
Tgt Ion: 43	Resp: 1750
Ion Ratio	Lower Upper
43 100	
61 0.0	9.3 13.9#
70 0.0	7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.120 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.136 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

Tgt Ion:117	Resp:	8504	
Ion	Ratio	Lower	Upper
117	100		
119	7.2	74.9	112.3#
121	0.0	24.3	36.5#

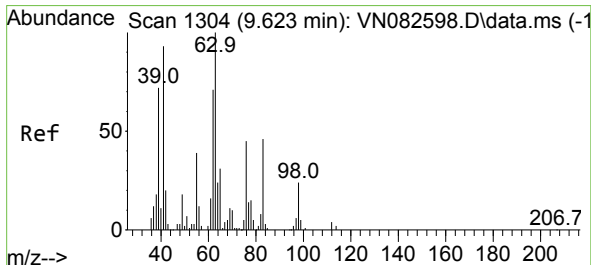
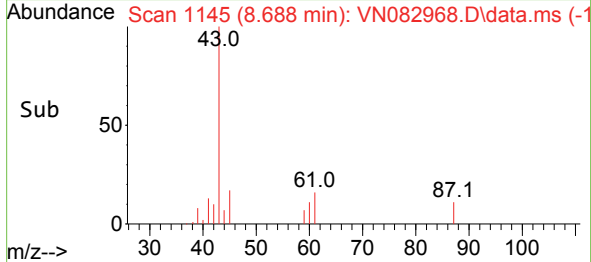
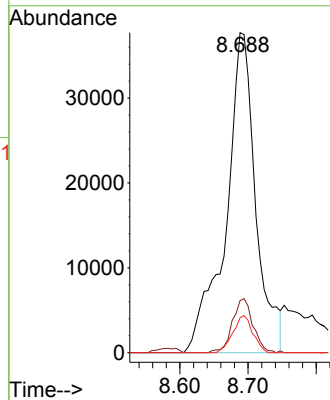
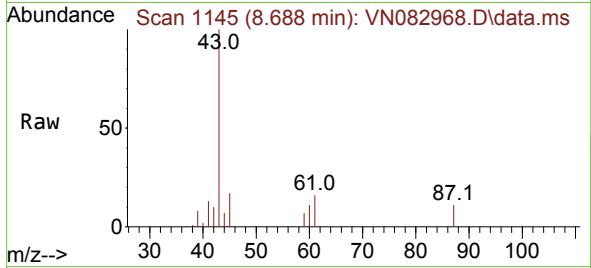




#43
Isopropyl Acetate
Concen: 42.849 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

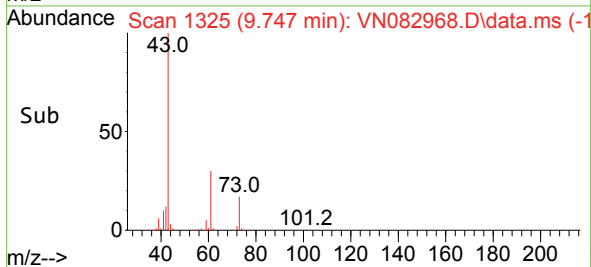
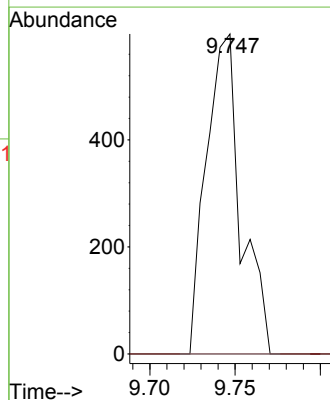
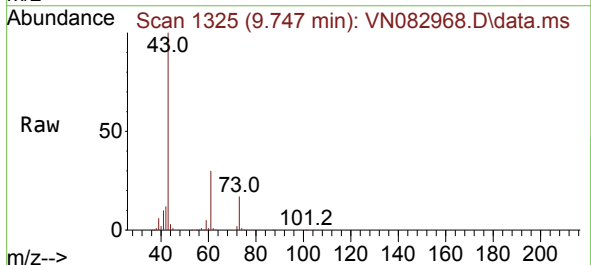
Instrument :
MSVOA_N
ClientSampleId :
SP-2

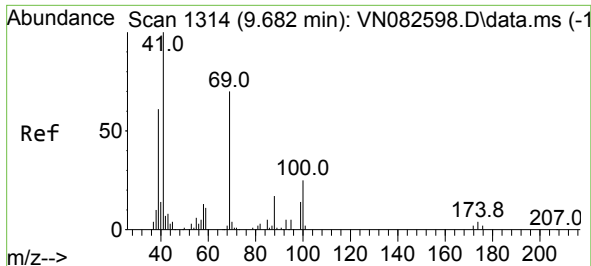
Tgt Ion: 43 Resp: 114597
Ion Ratio Lower Upper
43 100
61 11.7 17.8 26.6#
87 7.7 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.856 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

Tgt Ion: 63 Resp: 848
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

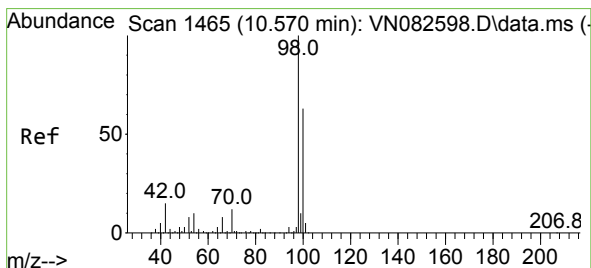
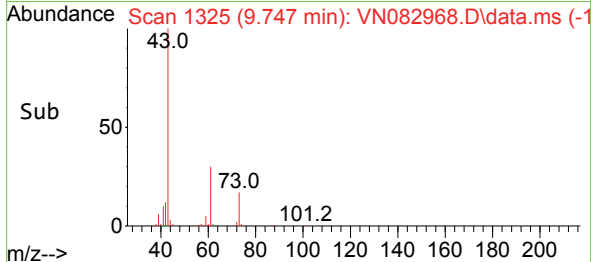
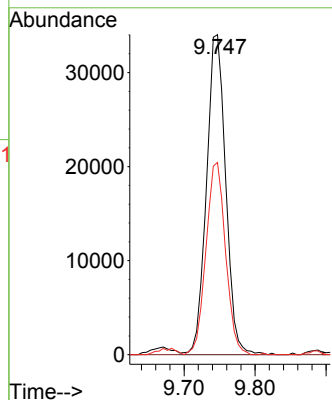
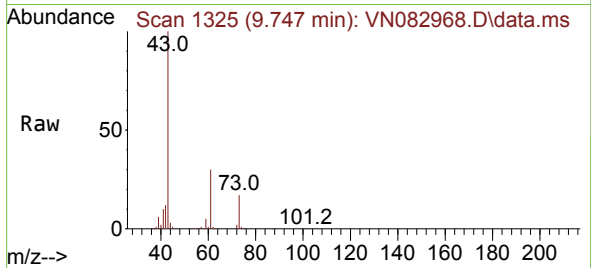




#48
Methyl methacrylate
Concen: 58.184 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

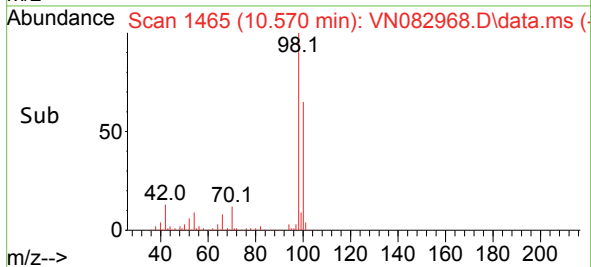
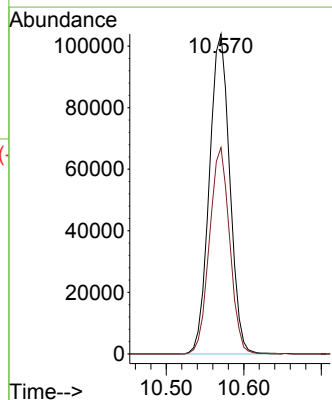
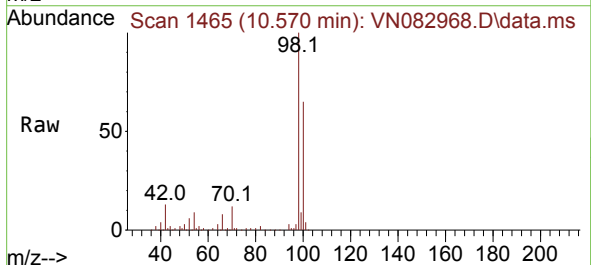
Instrument :
MSVOA_N
ClientSampleId :
SP-2

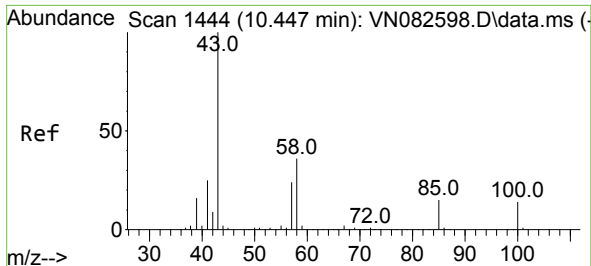
Tgt Ion: 41 Resp: 64075
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 61.1 50.3 75.5



#50
Toluene-d8
Concen: 51.493 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

Tgt Ion: 98 Resp: 190291
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3

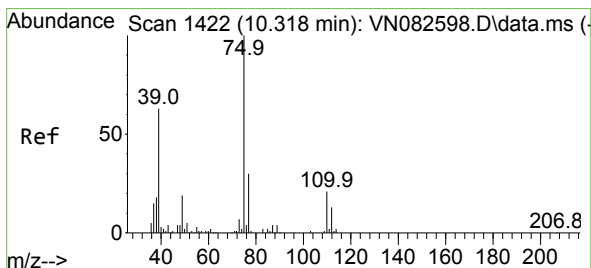
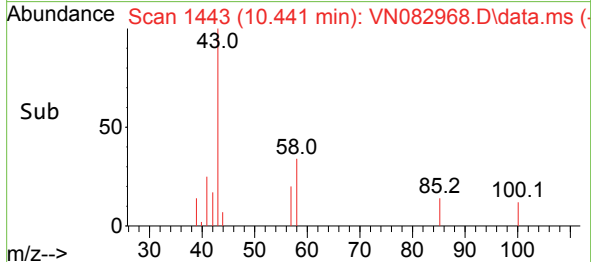
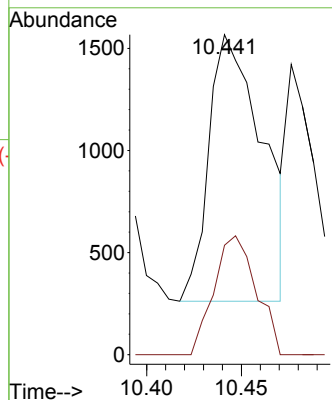
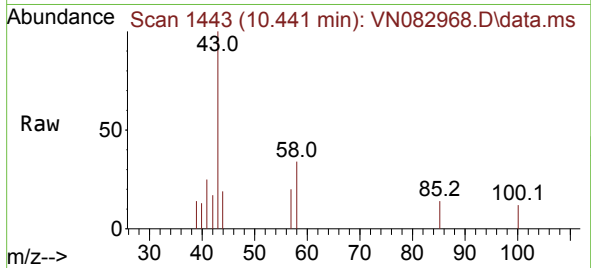




#51
4-Methyl-2-Pentanone
Concen: 1.837 ug/l
RT: 10.441 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

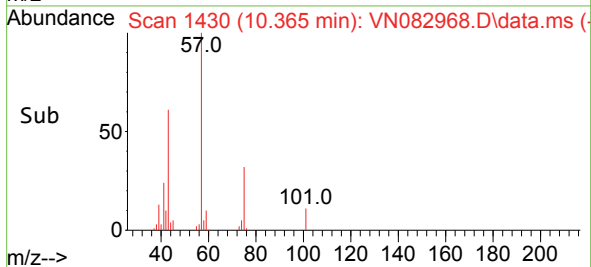
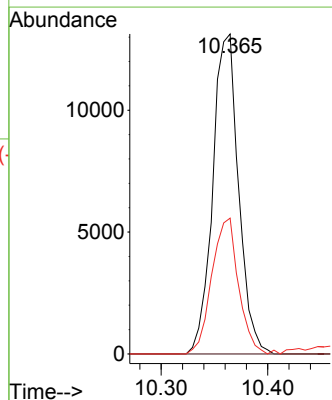
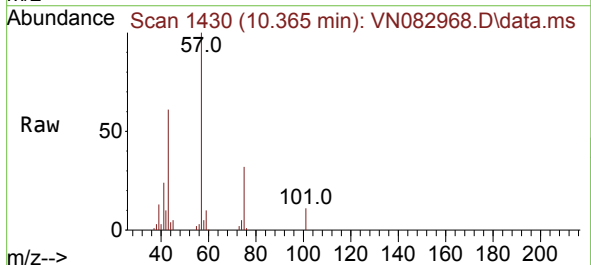
Instrument :
MSVOA_N
ClientSampleId :
SP-2

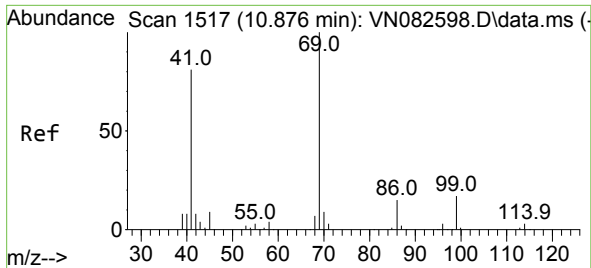
Tgt Ion: 43 Resp: 2558
Ion Ratio Lower Upper
43 100
58 35.3 28.2 42.4



#54
cis-1,3-Dichloropropene
Concen: 12.701 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

Tgt Ion: 75 Resp: 22085
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 42.5 50.5 75.7#

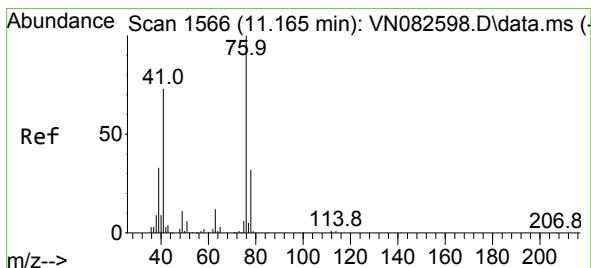
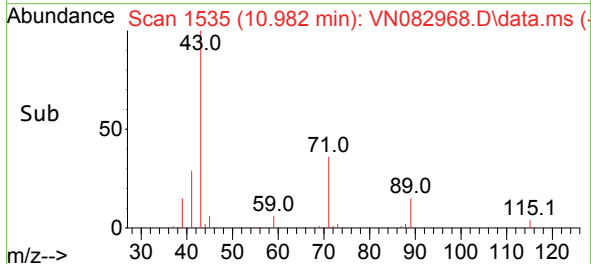
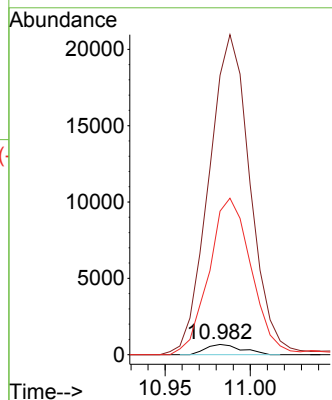
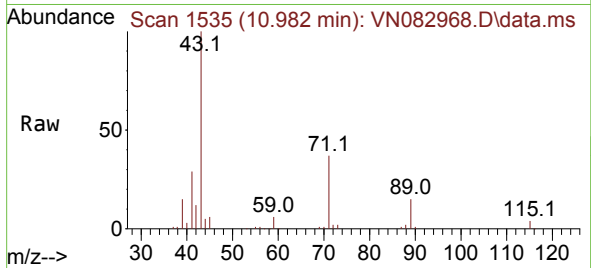




#56
Ethyl methacrylate
Concen: 0.655 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

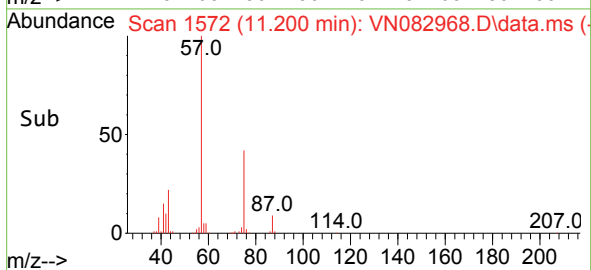
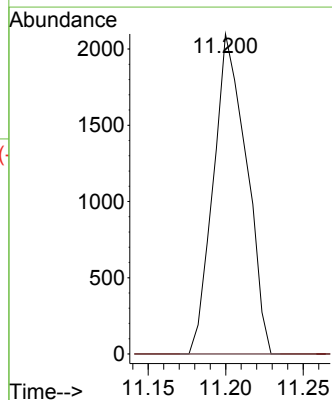
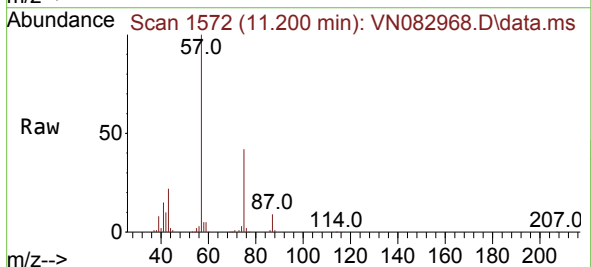
Instrument :
MSVOA_N
ClientSampleId :
SP-2

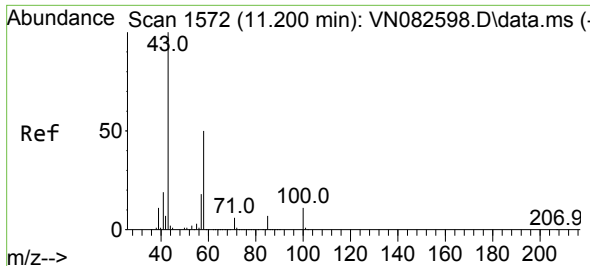
Tgt Ion: 69 Resp: 993
Ion Ratio Lower Upper
69 100
41 3569.8 63.4 95.2#
39 1786.2 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.802 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

Tgt Ion: 76 Resp: 3109
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

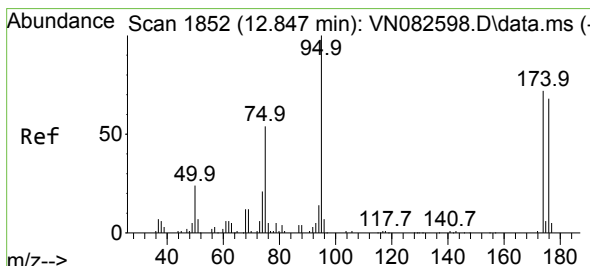
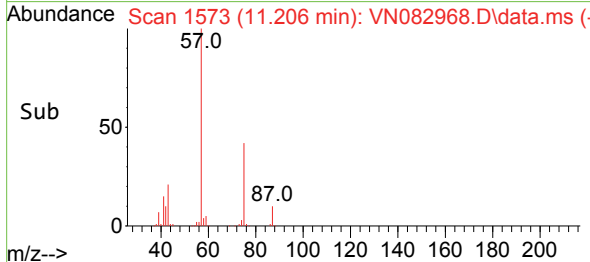
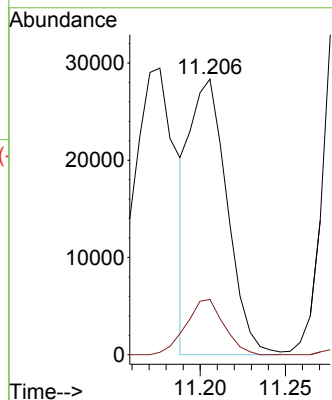
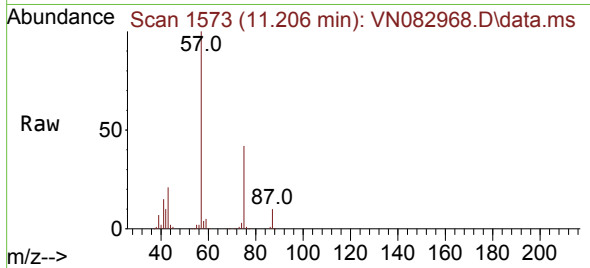




#59
2-Hexanone
Concen: 42.041 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

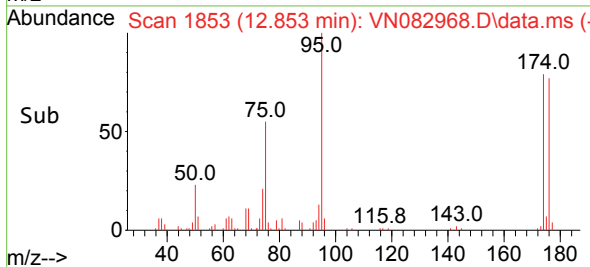
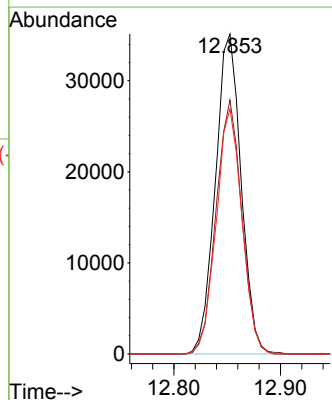
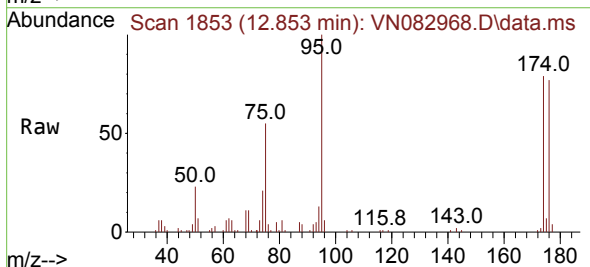
Instrument :
MSVOA_N
ClientSampleId :
SP-2

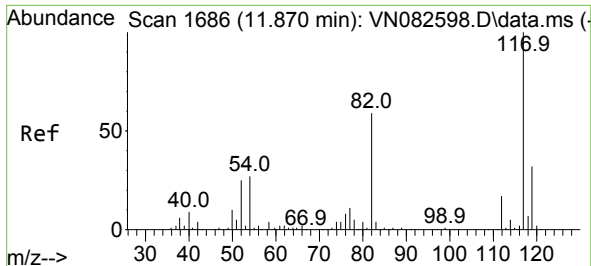
Tgt Ion: 43 Resp: 43520
Ion Ratio Lower Upper
43 100
58 20.3 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 44.272 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

Tgt Ion: 95 Resp: 58769
Ion Ratio Lower Upper
95 100
174 79.7 0.0 159.2
176 76.6 0.0 147.6

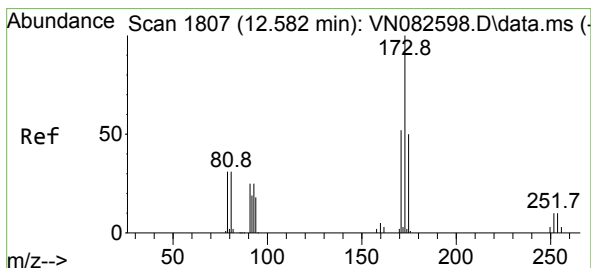
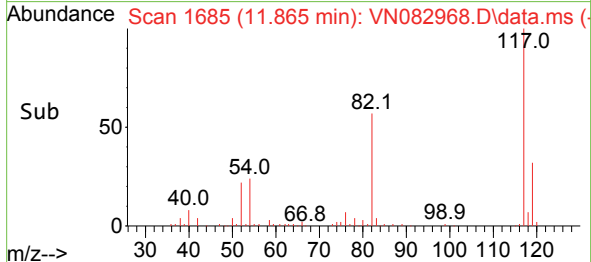
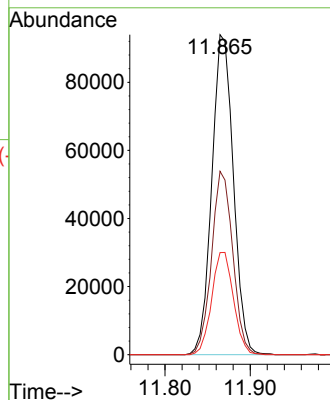
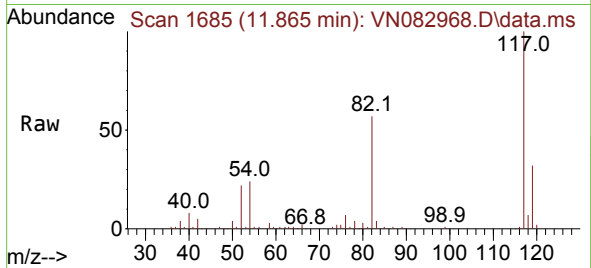




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

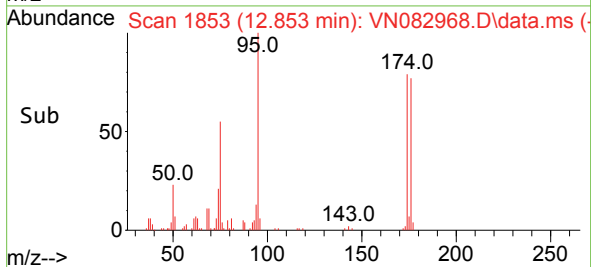
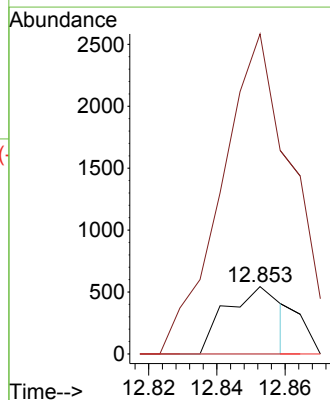
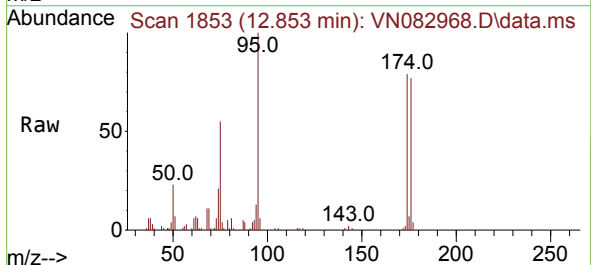
Instrument :
MSVOA_N
ClientSampleId :
SP-2

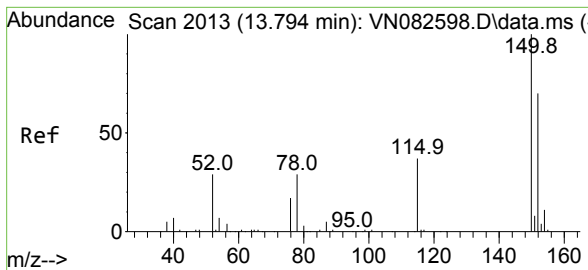
Tgt Ion:117 Resp: 165301
Ion Ratio Lower Upper
117 100
82 57.3 47.5 71.3
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.612 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

Tgt Ion:173 Resp: 606
Ion Ratio Lower Upper
173 100
175 501.7 24.0 72.0#
254 0.0 0.0 0.0

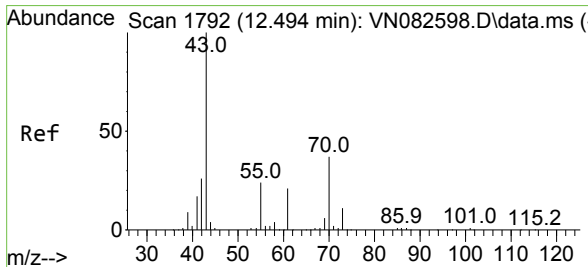
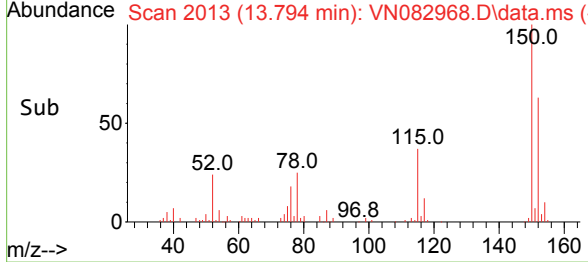
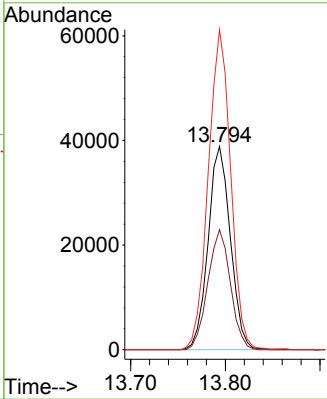
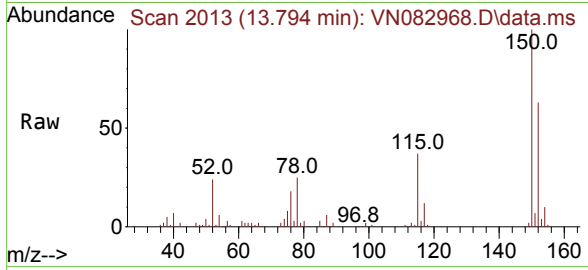




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082968.D
 Acq: 17 Jul 2024 17:12

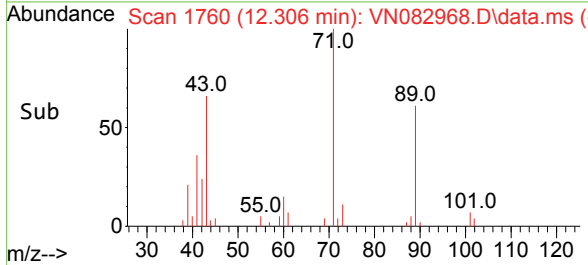
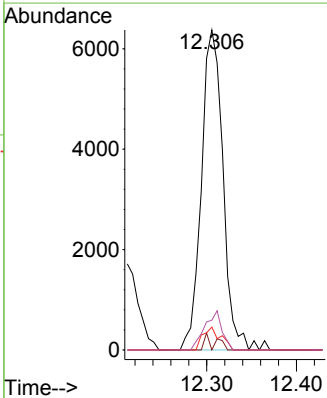
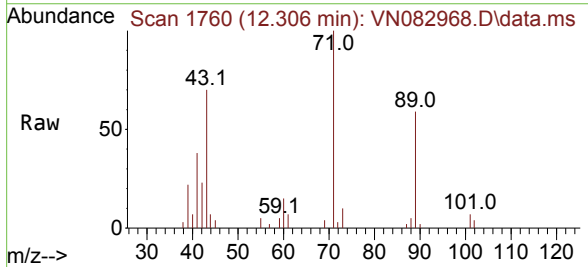
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-2

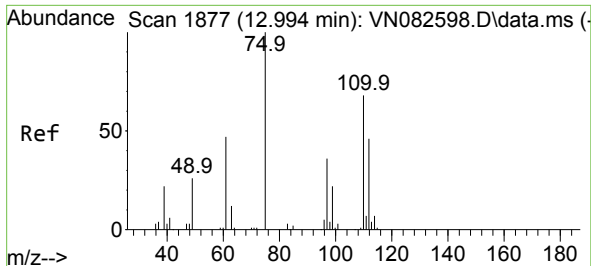
Tgt Ion:	152	Resp:	63515
Ion Ratio	Lower	Upper	
152	100		
115	59.7	30.6	91.6
150	158.1	0.0	348.6



#74
 N-ethyl acetate
 Concen: 5.602 ug/l
 RT: 12.306 min Scan# 1760
 Delta R.T. -0.188 min
 Lab File: VN082968.D
 Acq: 17 Jul 2024 17:12

Tgt Ion:	43	Resp:	10694
Ion Ratio	Lower	Upper	
43	100		
70	1.1	29.8	44.6#
55	5.8	18.7	28.1#
61	9.7	17.4	26.0#

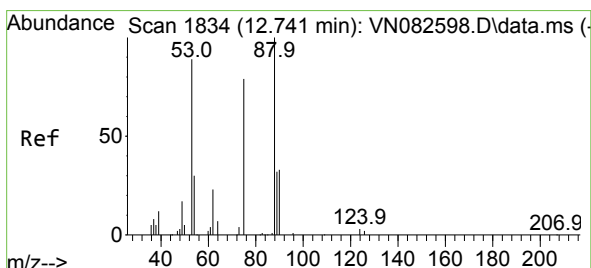
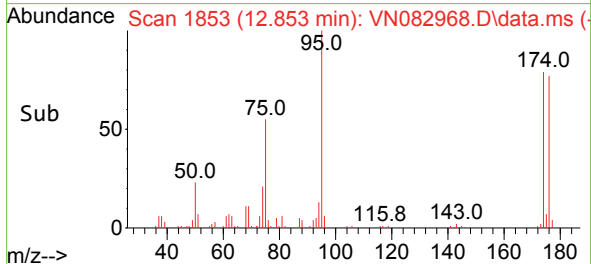
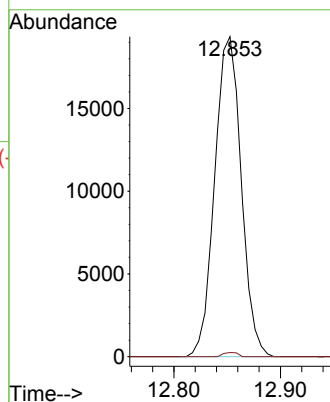
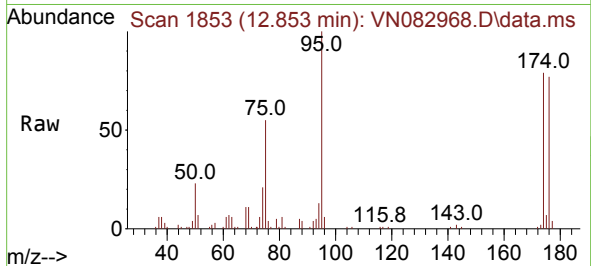




#76
1,2,3-Trichloropropane
Concen: 30.523 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

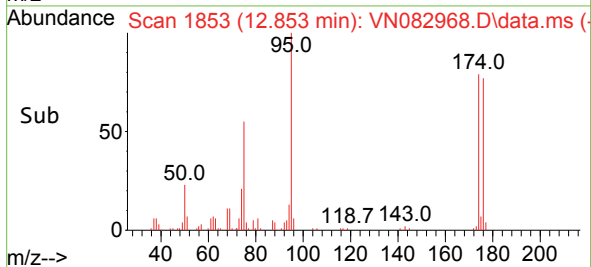
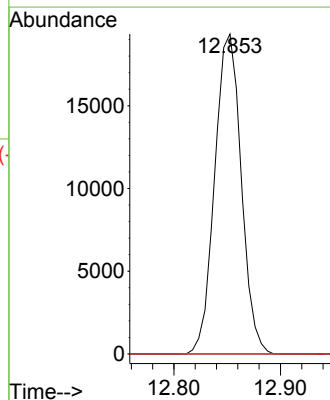
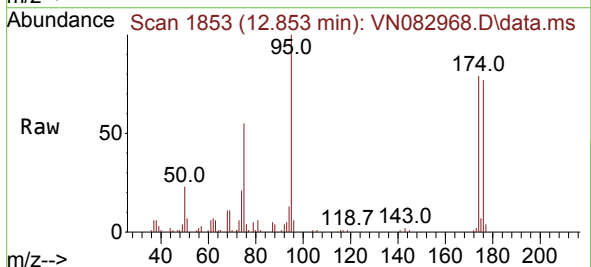
Instrument :
MSVOA_N
ClientSampleId :
SP-2

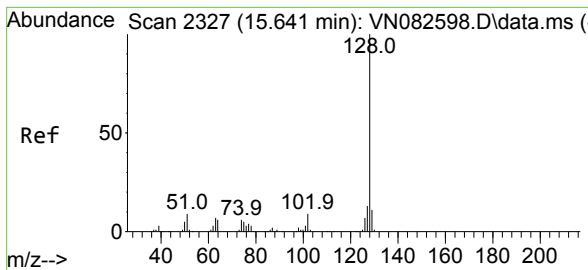
Tgt Ion: 75 Resp: 33424
Ion Ratio Lower Upper
75 100
77 0.7 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.030 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082968.D
Acq: 17 Jul 2024 17:12

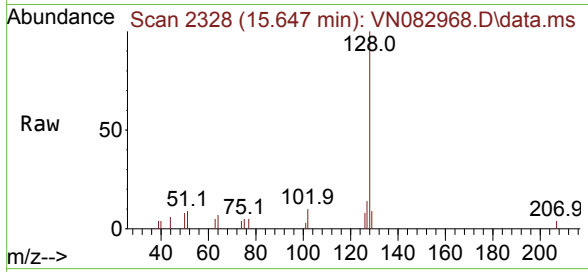
Tgt Ion: 75 Resp: 33424
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#





#95
 Naphthalene
 Concen: 2.381 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN082968.D
 Acq: 17 Jul 2024 17:12

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-2



Tgt Ion:	128	Resp:	9172
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	9.3	8.6	12.8

