

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070124\
 Data File : VN082769.D
 Acq On : 01 Jul 2024 16:40
 Operator : JC\MD
 Sample : PB161815ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 00:09:59 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)

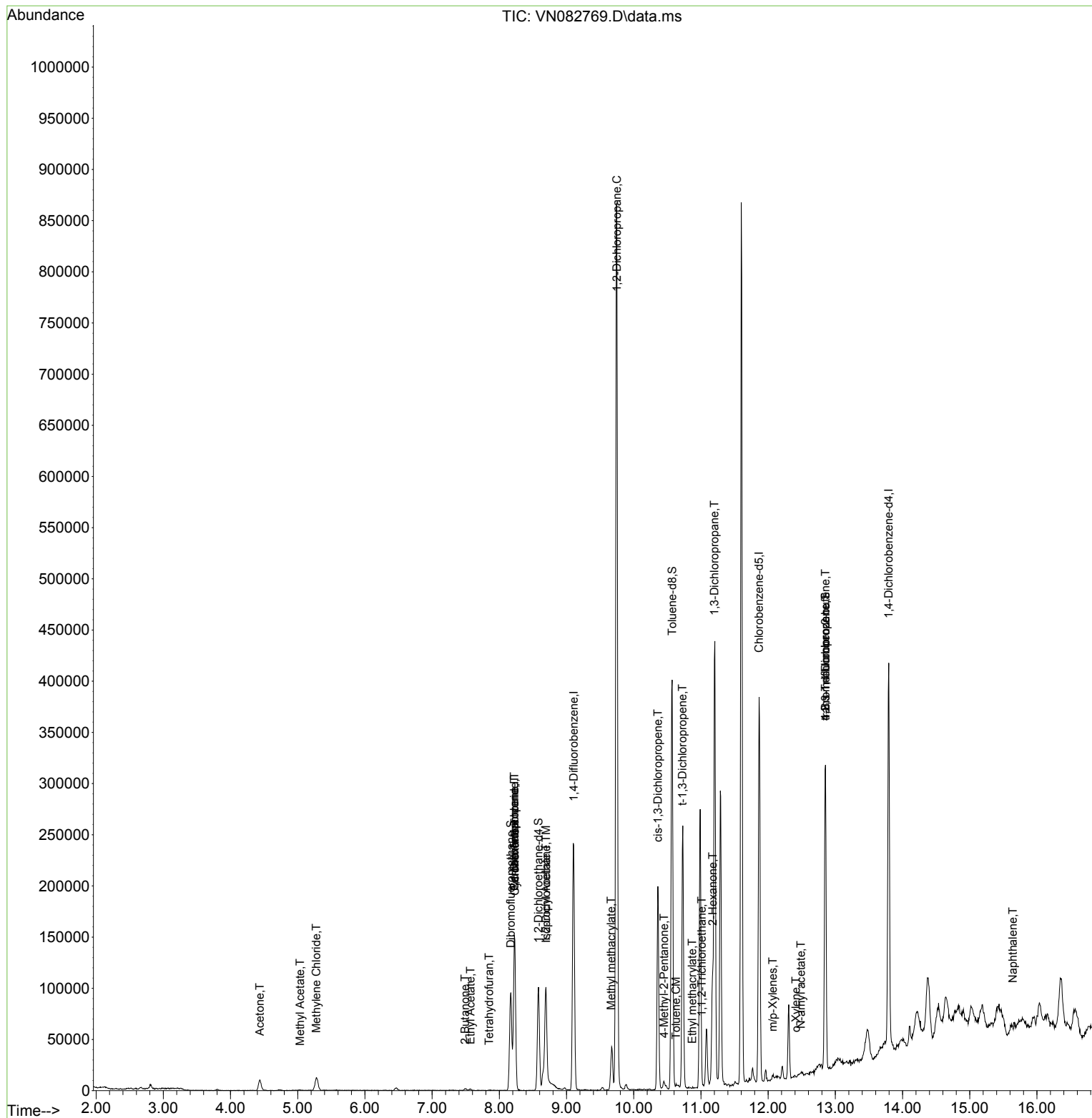
Internal Standards						
1) Pentafluorobenzene	8.224	168	107177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	210979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	216717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	81286	49.180	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.360%
35) Dibromofluoromethane	8.171	113	69609	50.112	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.220%
50) Toluene-d8	10.571	98	275519	53.037	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.080%
62) 4-Bromofluorobenzene	12.853	95	101128	56.686	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	113.380%
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	19534	31.194	ug/l	92
18) Methyl Acetate	5.036	43	866	0.520	ug/l #	56
20) Methylene Chloride	5.277	84	10102	6.375	ug/l	87
25) 2-Butanone	7.489	43	3344	3.495	ug/l	96
29) Tetrahydrofuran	7.847	42	206	0.334	ug/l #	38
31) Cyclohexane	8.230	56	2654	1.140	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	9608	4.812	ug/l #	51
37) Ethyl Acetate	7.571	43	2369	1.098	ug/l #	76
38) Carbon Tetrachloride	8.224	117	12309	5.271	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	622	0.264	ug/l #	78
43) Isopropyl Acetate	8.694	43	142105	37.897	ug/l #	88
45) 1,2-Dichloropropane	9.747	63	917	0.578	ug/l #	44
48) Methyl methacrylate	9.665	41	3031	1.825	ug/l #	51
51) 4-Methyl-2-Pentanone	10.453	43	4600	2.084	ug/l	95
52) Toluene	10.630	92	1252	0.326	ug/l #	71
53) t-1,3-Dichloropropene	10.724	75	644	0.288	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	36075	15.355	ug/l #	56
55) 1,1,2-Trichloroethane	11.012	97	381	0.255	ug/l #	51
56) Ethyl methacrylate	10.871	69	641	0.286	ug/l #	17
57) 1,3-Dichloropropane	11.200	76	4451	1.698	ug/l #	43
59) 2-Hexanone	11.177	43	81029	49.512	ug/l #	28
68) m/p-Xylenes	12.071	106	1469	0.492	ug/l	95
69) o-Xylene	12.412	106	588	0.204	ug/l	63
74) N-amyl acetate	12.488	43	1435	0.451	ug/l #	78
76) 1,2,3-Trichloropropane	12.853	75	57436	26.950	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	57436	70.283	ug/l #	6
95) Naphthalene	15.641	128	1680	0.322	ug/l #	71

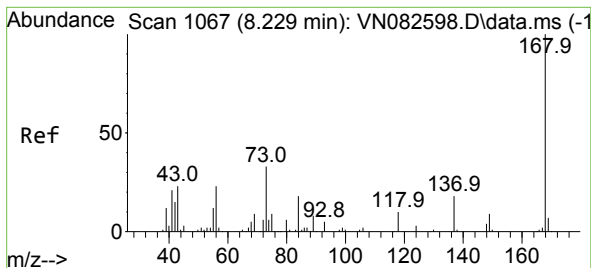
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070124\
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Quant Time: Jul 02 00:09:59 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: 8.224 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN082769.D

Acq: 01 Jul 2024 16:40

Instrument :

MSVOA_N

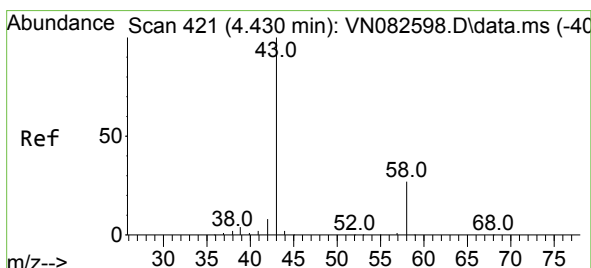
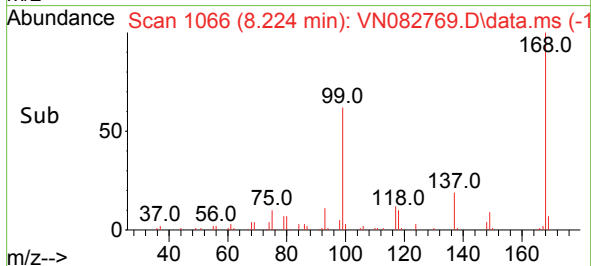
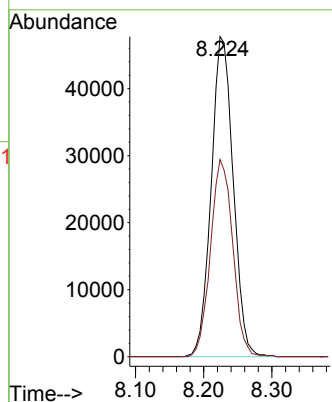
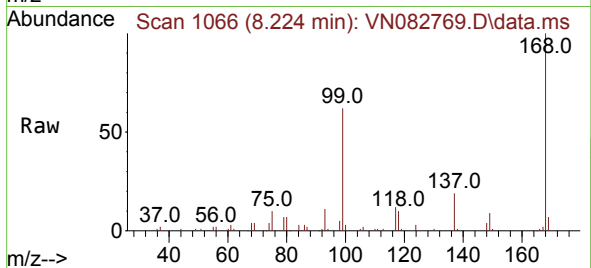
ClientSampleId :

Tgt Ion:168 Resp: 107177

Ion Ratio Lower Upper

168 100

99 61.6 48.2 72.4



#16

Acetone

Concen: 31.194 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN082769.D

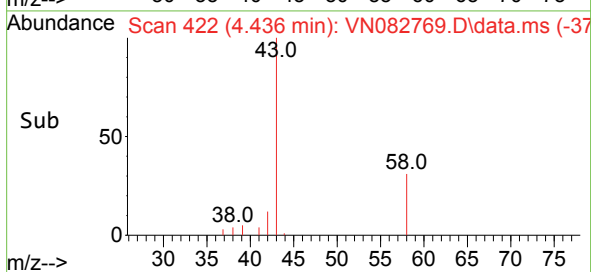
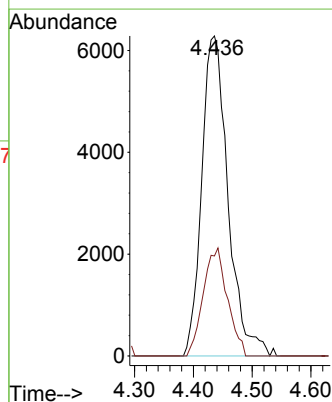
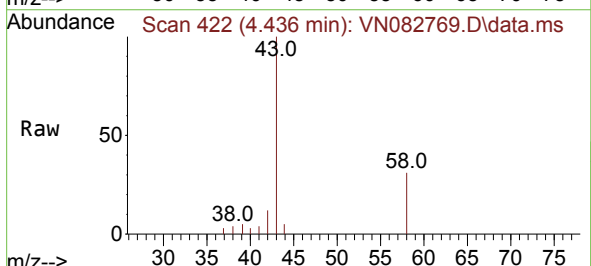
Acq: 01 Jul 2024 16:40

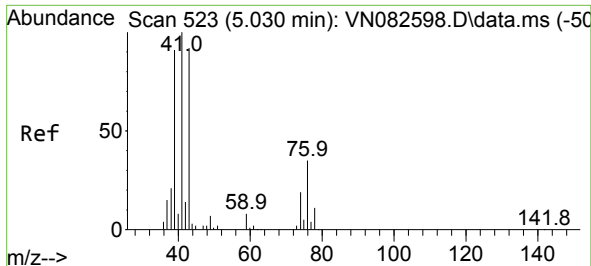
Tgt Ion: 43 Resp: 19534

Ion Ratio Lower Upper

43 100

58 31.3 21.8 32.6

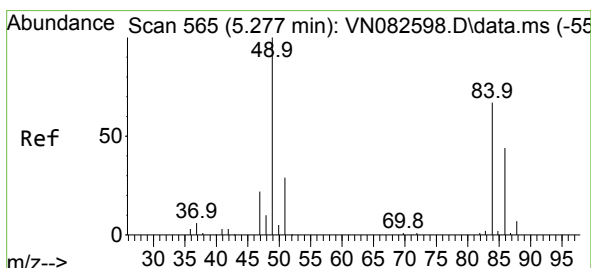
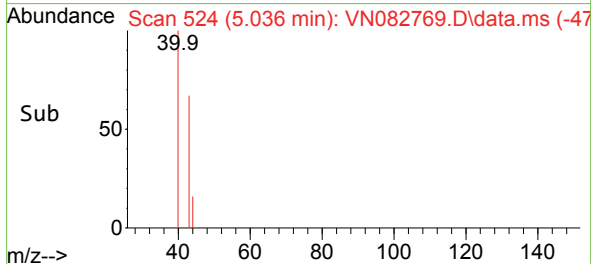
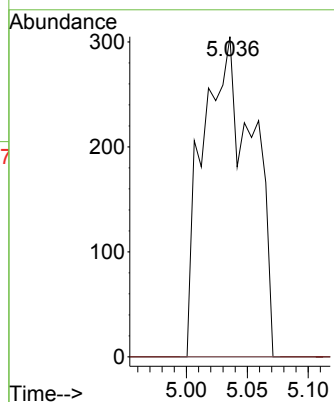
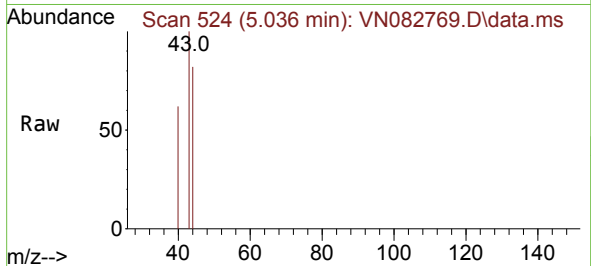




#18
Methyl Acetate
Concen: 0.520 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

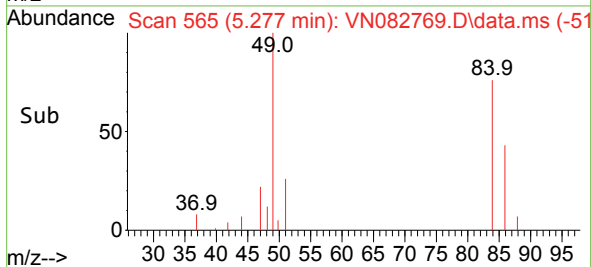
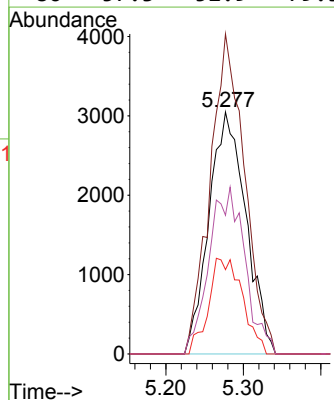
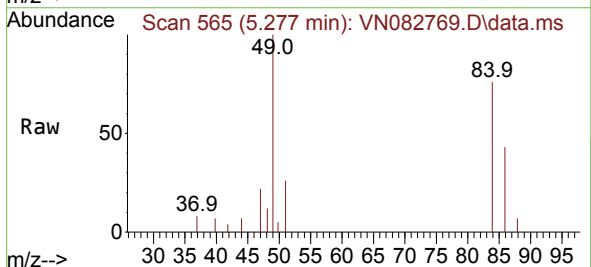
Instrument :
MSVOA_N
ClientSampleId :

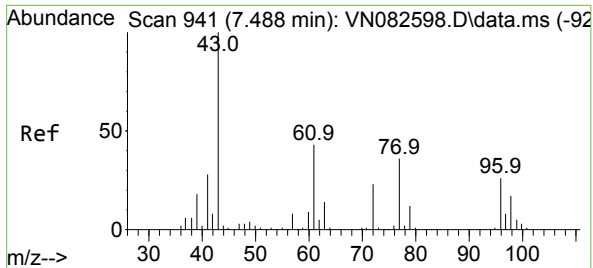
Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: 6.375 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

Tgt Ion: 84 Resp: 10102
Ion Ratio Lower Upper
84 100
49 132.3 119.6 179.4
51 34.8 34.8 52.2
86 57.3 52.9 79.3

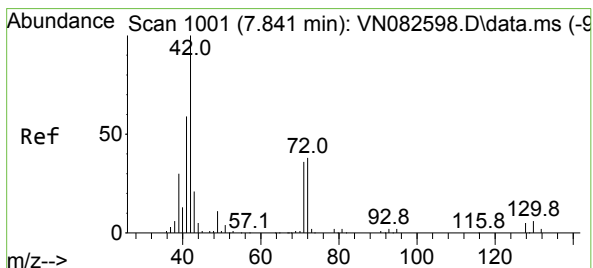
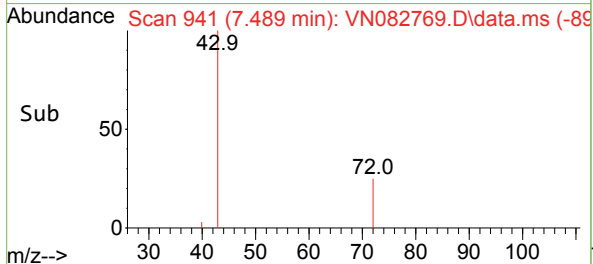
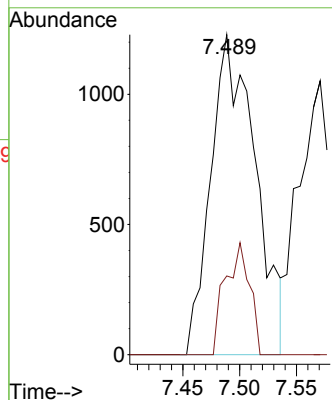
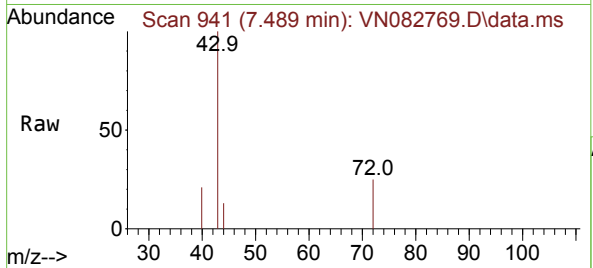




#25
2-Butanone
Concen: 3.495 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.001 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

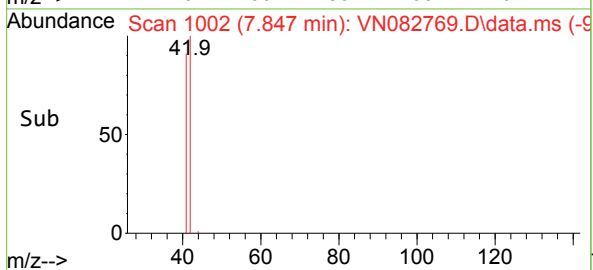
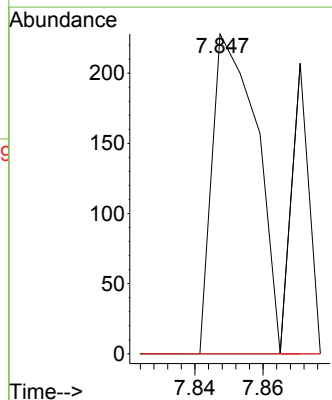
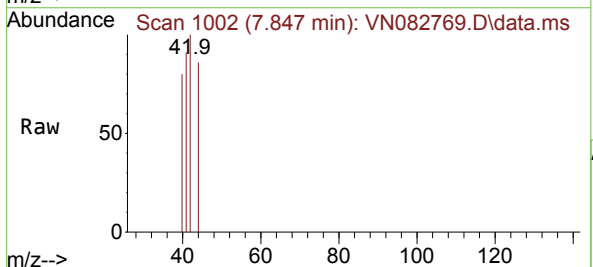
Instrument :
MSVOA_N
ClientSampleId :

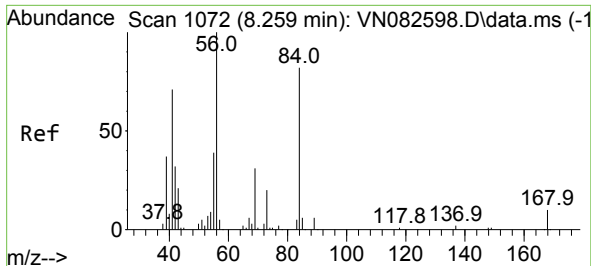
Tgt Ion: 43 Resp: 3344
Ion Ratio Lower Upper
43 100
72 24.6 18.2 27.2



#29
Tetrahydrofuran
Concen: 0.334 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

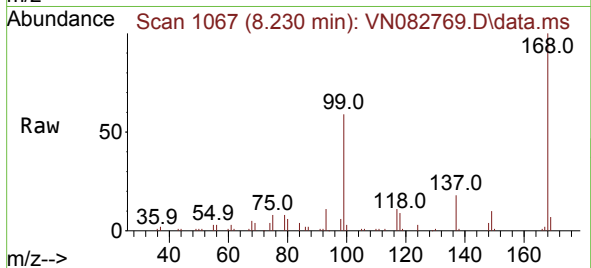
Tgt Ion: 42 Resp: 206
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



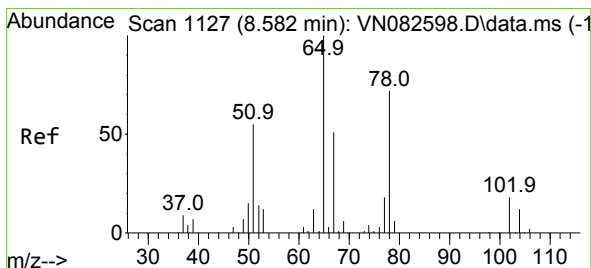
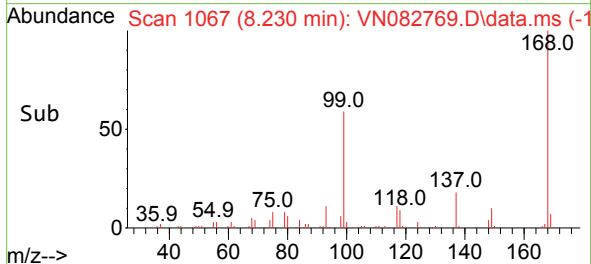
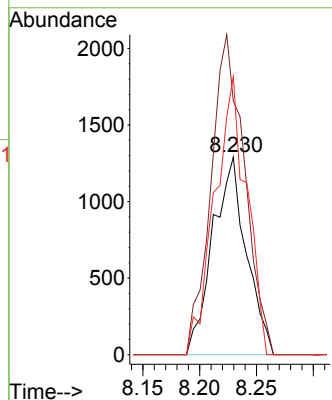


#31
Cyclohexane
Concen: 1.140 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

Instrument :
MSVOA_N
ClientSampleId :

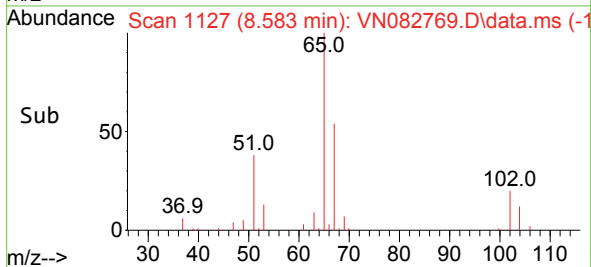
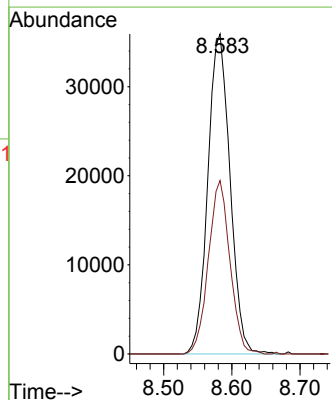
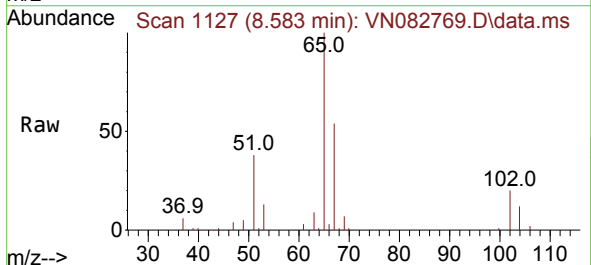


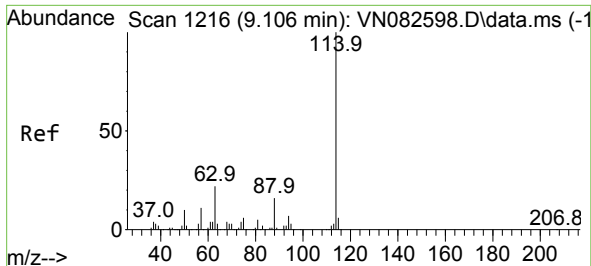
Tgt Ion: 56 Resp: 2654
Ion Ratio Lower Upper
56 100
69 128.4 24.5 36.7#
84 140.9 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 49.180 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

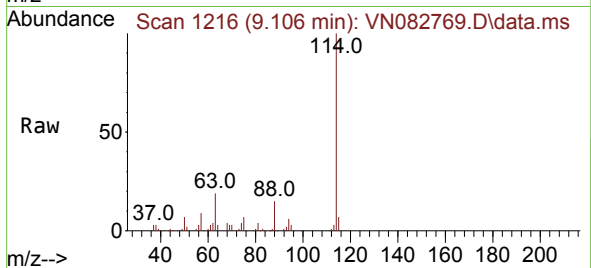
Tgt Ion: 65 Resp: 81286
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.4



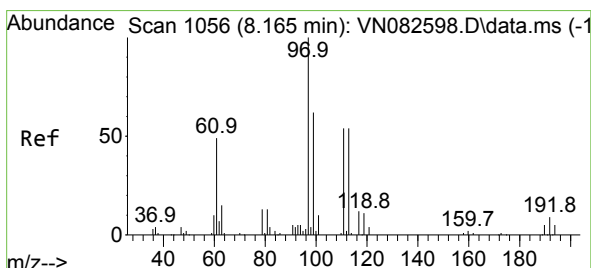
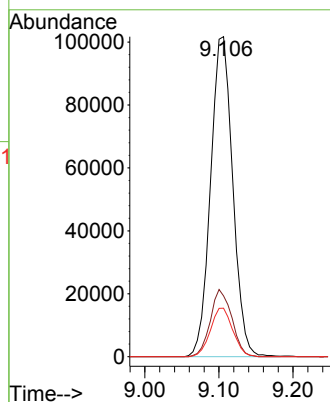
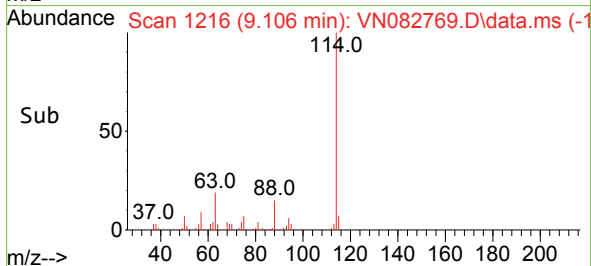


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

Instrument :
MSVOA_N
ClientSampleId :

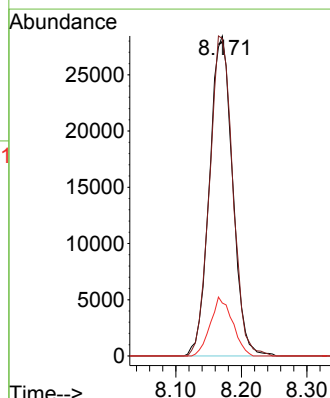
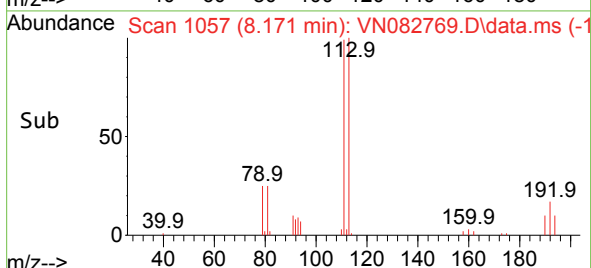
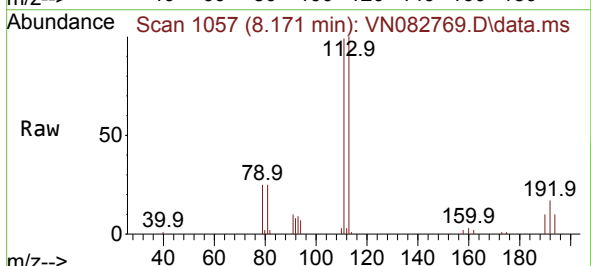


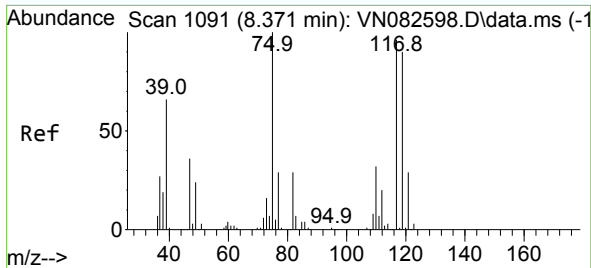
Tgt Ion:114 Resp: 210979
Ion Ratio Lower Upper
114 100
63 19.0 0.0 44.6
88 15.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.112 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

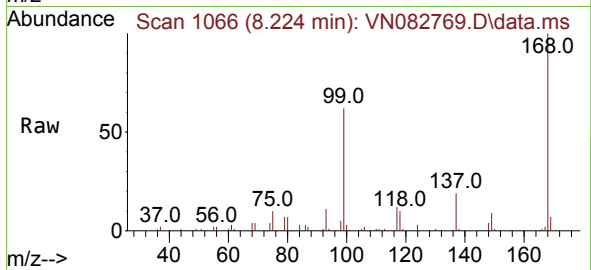
Tgt Ion:113 Resp: 69609
Ion Ratio Lower Upper
113 100
111 100.1 82.4 123.6
192 17.6 14.9 22.3



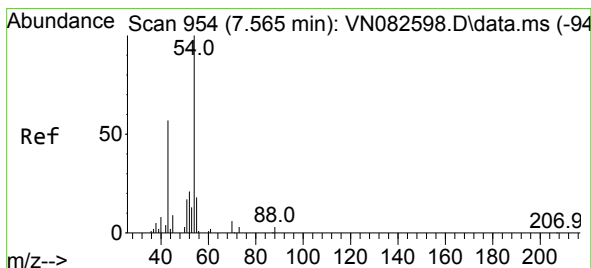
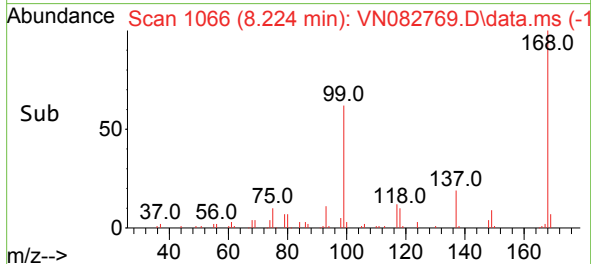
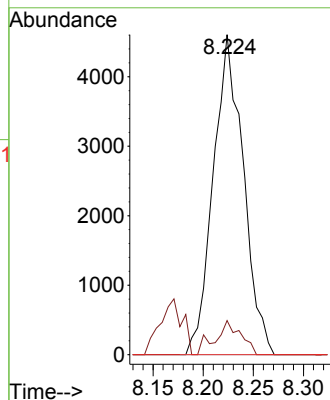


#36
1,1-Dichloropropene
Concen: 4.812 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

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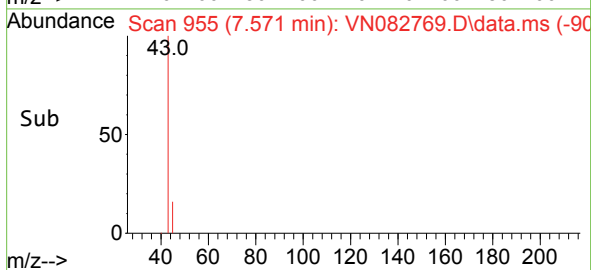
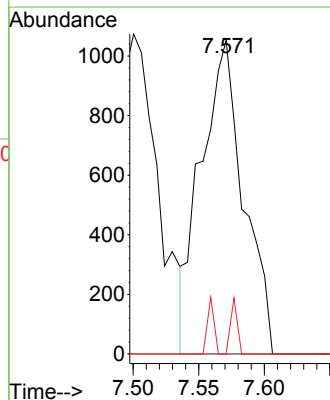
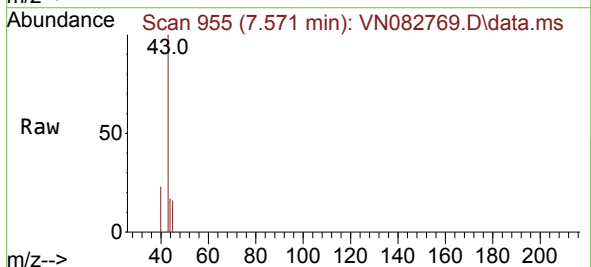


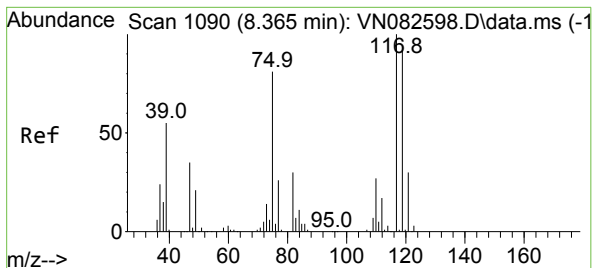
Tgt Ion: 75 Resp: 9608
Ion Ratio Lower Upper
75 100
110 9.0 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.098 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

Tgt Ion: 43 Resp: 2369
Ion Ratio Lower Upper
43 100
61 0.0 9.3 13.9#
70 2.8 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.271 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

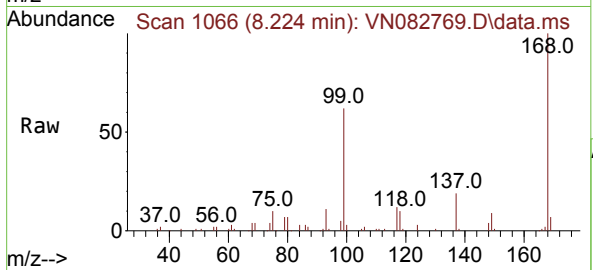
Lab File: VN082769.D

Acq: 01 Jul 2024 16:40

Instrument :

MSVOA_N

ClientSampleId :



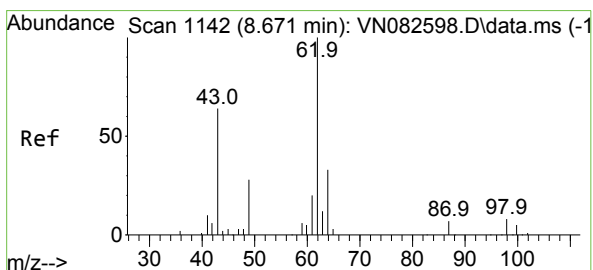
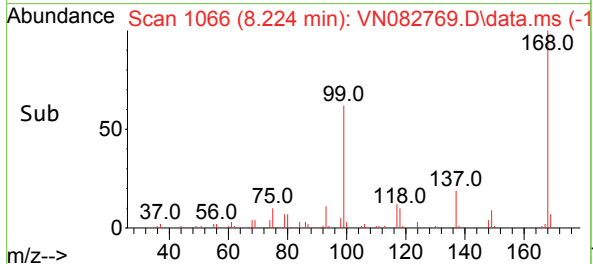
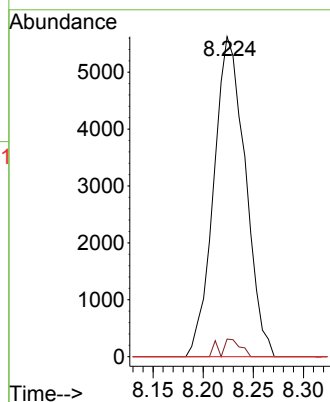
Tgt Ion:117 Resp: 12309

Ion Ratio Lower Upper

117 100

119 5.5 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.264 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.023 min

Lab File: VN082769.D

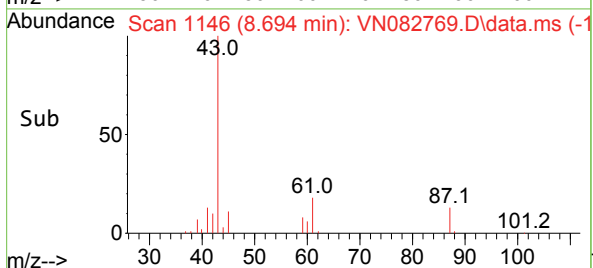
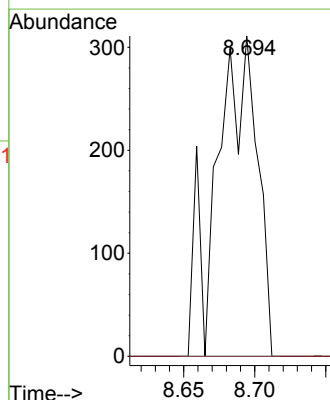
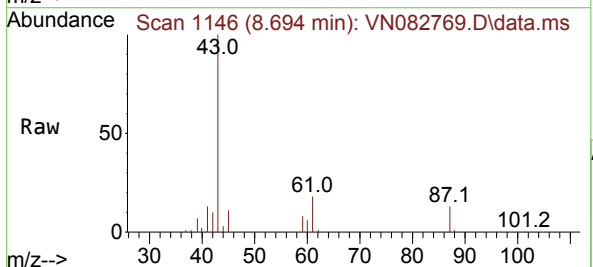
Acq: 01 Jul 2024 16:40

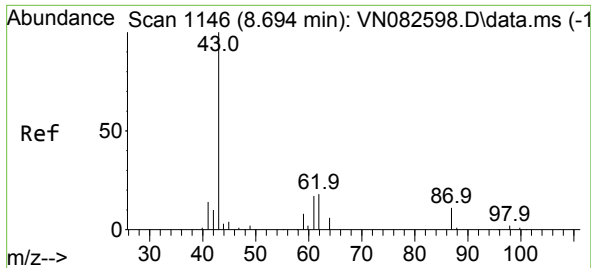
Tgt Ion: 62 Resp: 622

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8

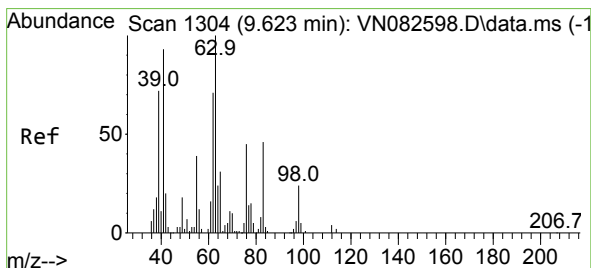
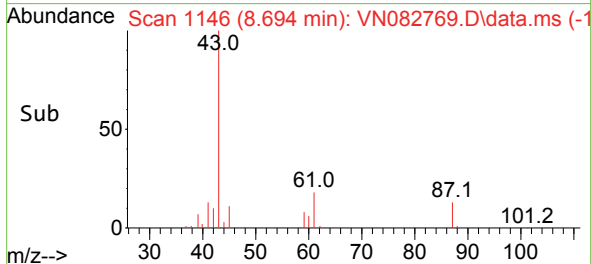
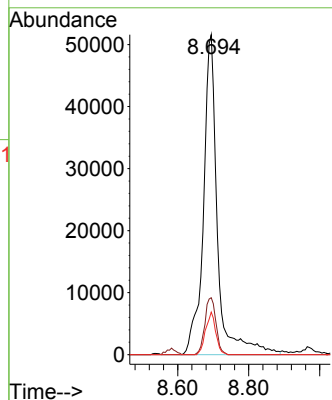
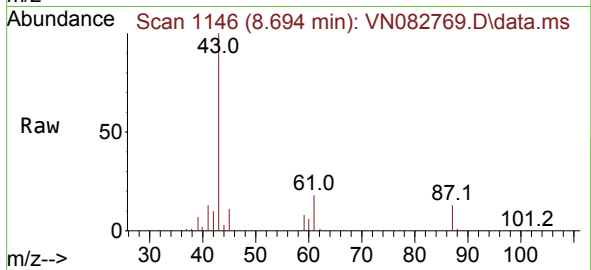




#43
Isopropyl Acetate
Concen: 37.897 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

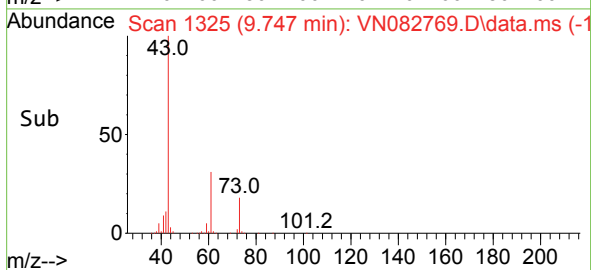
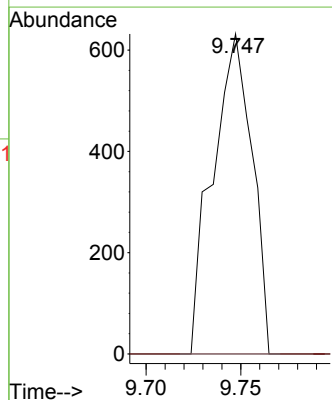
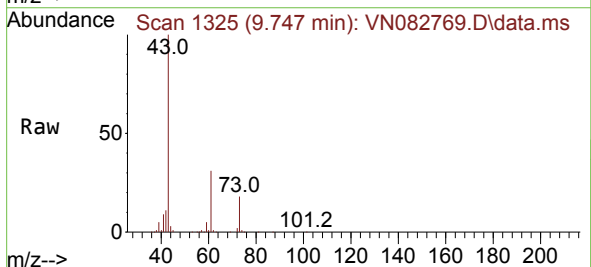
Instrument :
MSVOA_N
ClientSampleId :

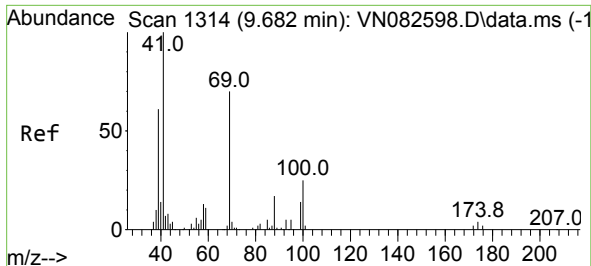
Tgt Ion: 43 Resp: 142105
Ion Ratio Lower Upper
43 100
61 14.1 17.8 26.6#
87 9.6 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.578 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

Tgt Ion: 63 Resp: 917
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

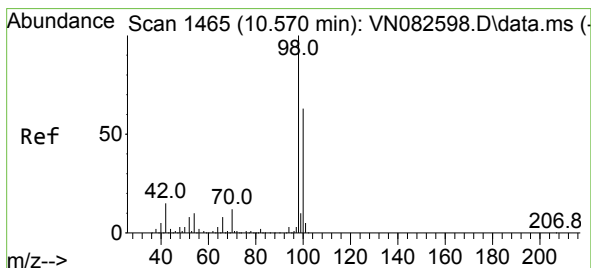
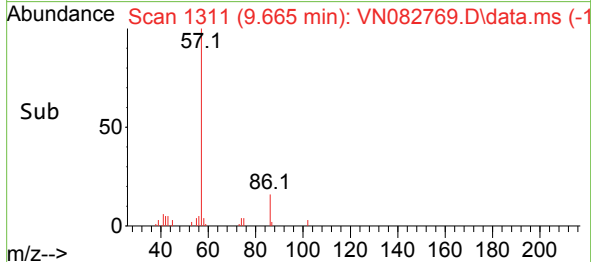
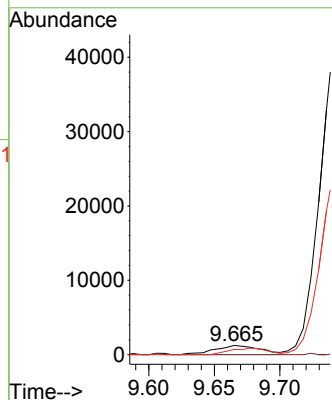
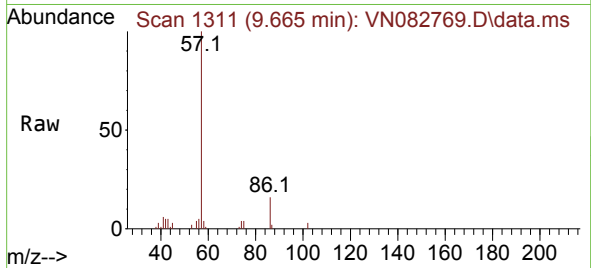




#48
Methyl methacrylate
Concen: 1.825 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

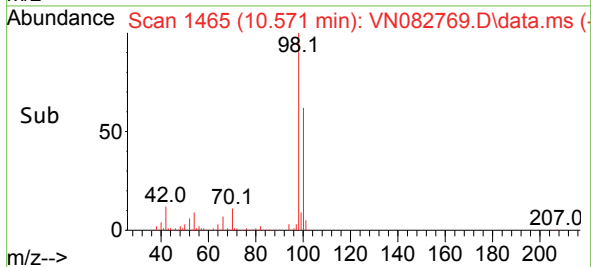
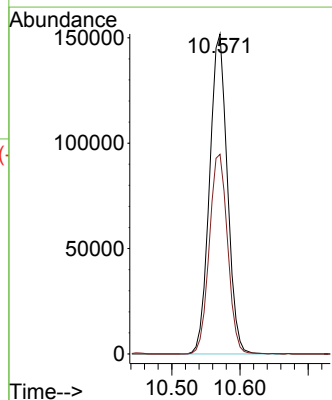
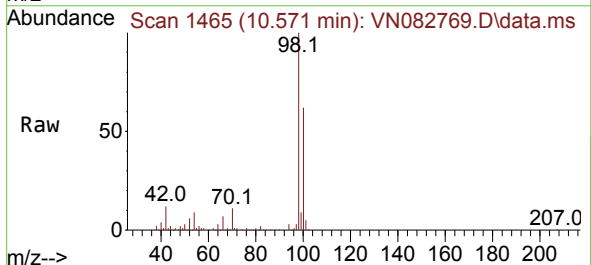
Instrument :
MSVOA_N
ClientSampleId :

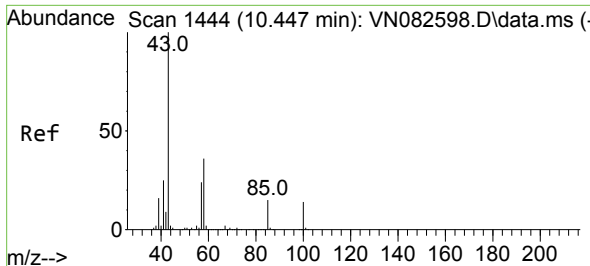
Tgt Ion: 41 Resp: 3031
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 57.2 50.3 75.5



#50
Toluene-d8
Concen: 53.037 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

Tgt Ion: 98 Resp: 275519
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3

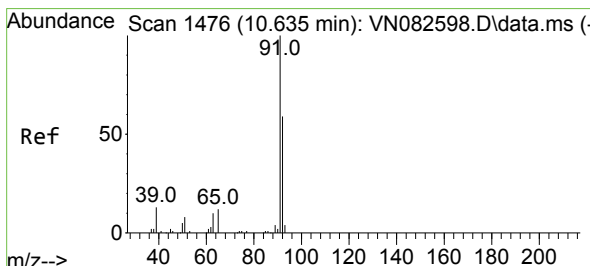
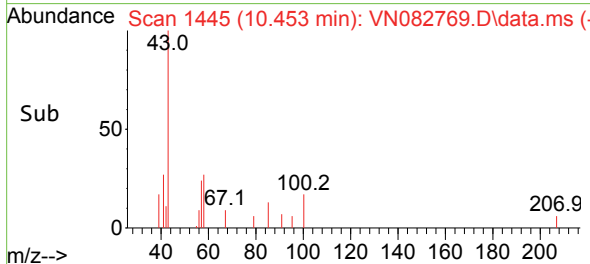
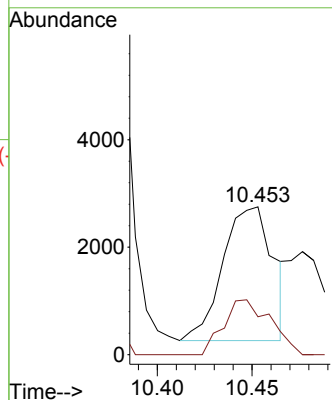
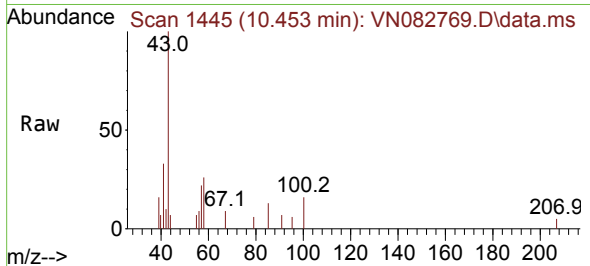




#51
4-Methyl-2-Pentanone
Concen: 2.084 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

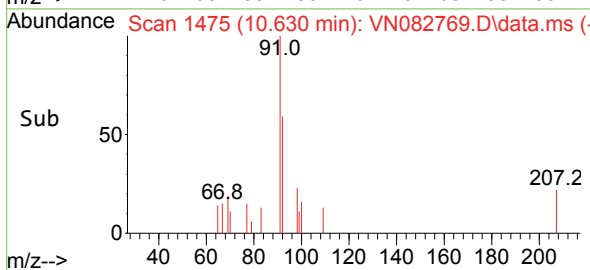
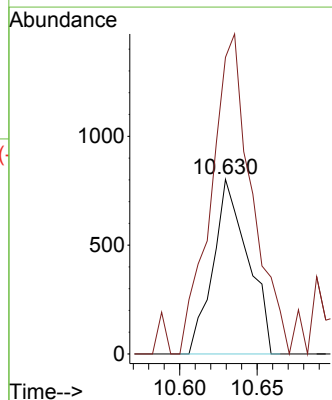
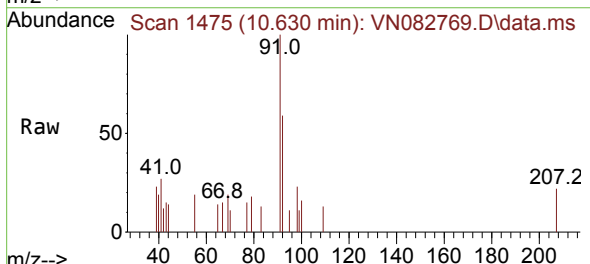
Instrument :
MSVOA_N
ClientSampleId :

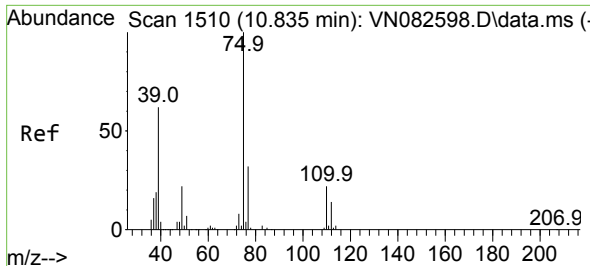
Tgt Ion: 43 Resp: 4600
Ion Ratio Lower Upper
43 100
58 38.4 28.2 42.4



#52
Toluene
Concen: 0.326 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.005 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

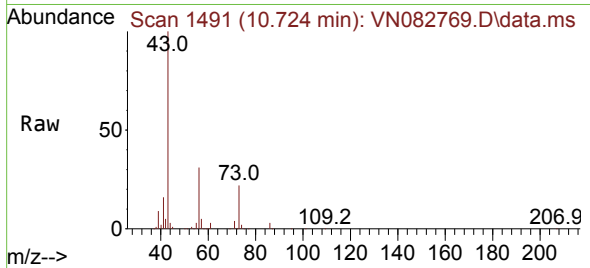
Tgt Ion: 92 Resp: 1252
Ion Ratio Lower Upper
92 100
91 214.4 139.4 209.0#



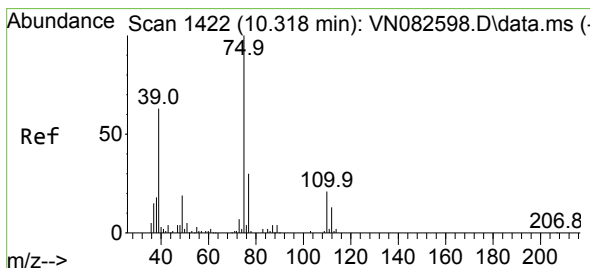
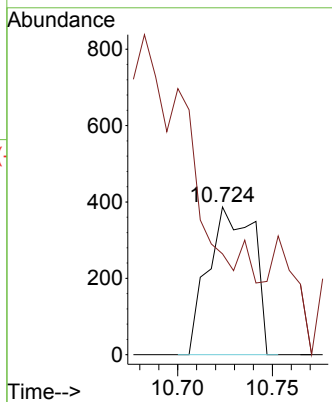
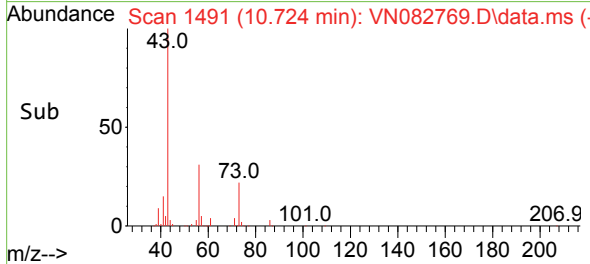


#53
t-1,3-Dichloropropene
Concen: 0.288 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.111 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

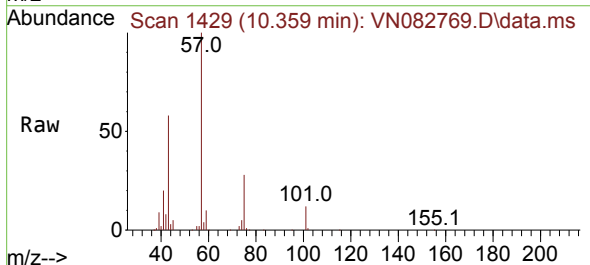
Instrument :
MSVOA_N
ClientSampleId :



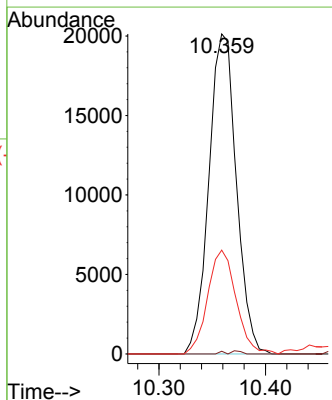
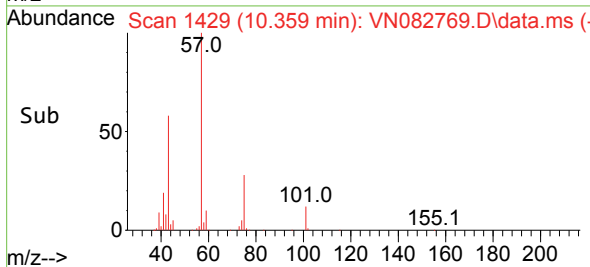
Tgt Ion: 75 Resp: 644
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

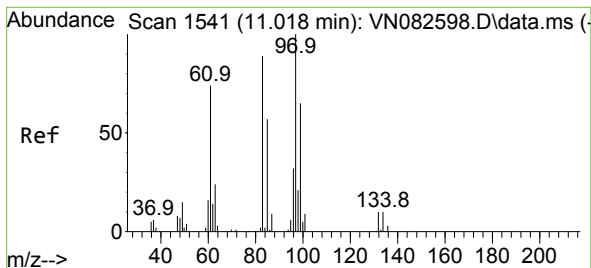


#54
cis-1,3-Dichloropropene
Concen: 15.355 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40



Tgt Ion: 75 Resp: 36075
Ion Ratio Lower Upper
75 100
77 0.8 24.3 36.5#
39 32.5 50.5 75.7#





#55

1,1,2-Trichloroethane

Concen: 0.255 ug/l

RT: 11.012 min Scan# 1

Delta R.T. -0.006 min

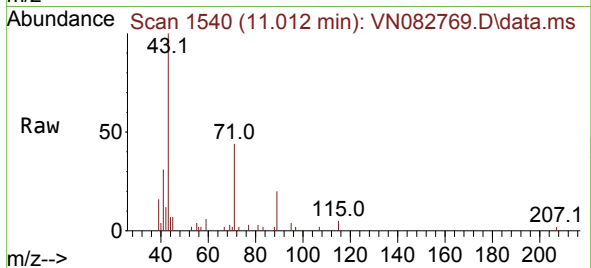
Lab File: VN082769.D

Acq: 01 Jul 2024 16:40

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 381

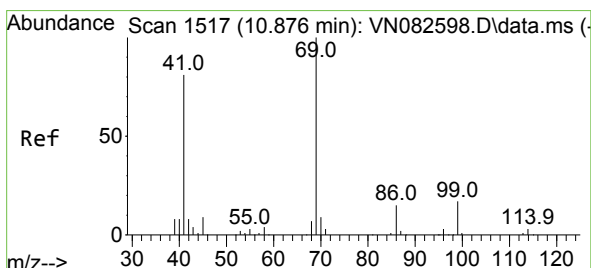
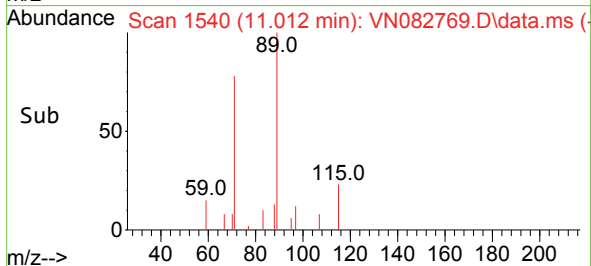
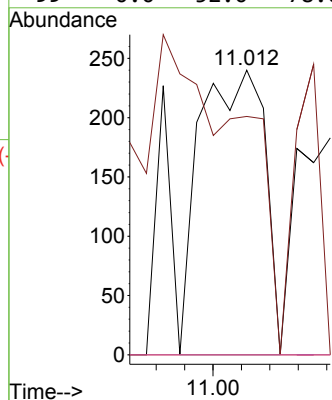
Ion Ratio Lower Upper

97 100

83 83.7 71.4 107.0

85 0.0 45.8 68.6#

99 0.0 52.0 78.0#



#56

Ethyl methacrylate

Concen: 0.286 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.005 min

Lab File: VN082769.D

Acq: 01 Jul 2024 16:40

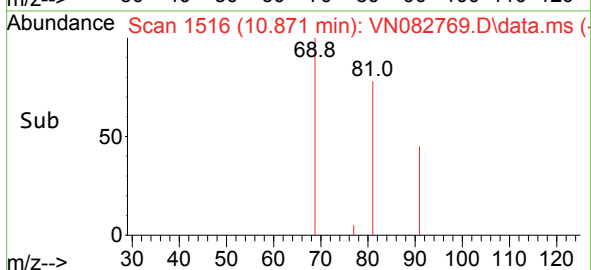
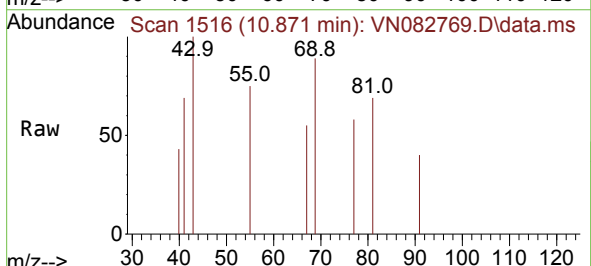
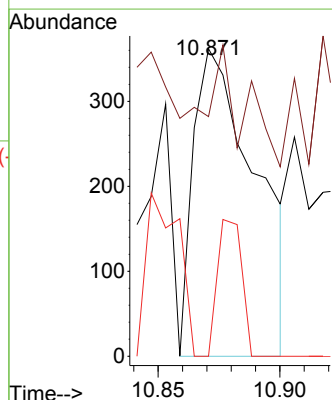
Tgt Ion: 69 Resp: 641

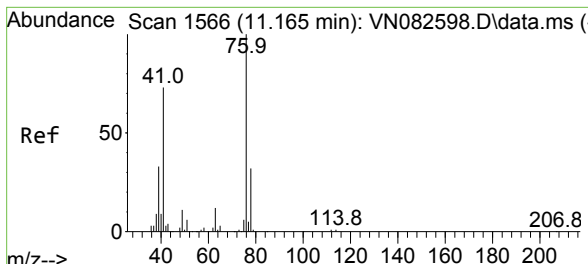
Ion Ratio Lower Upper

69 100

41 0.0 63.4 95.2#

39 0.0 37.4 56.0#

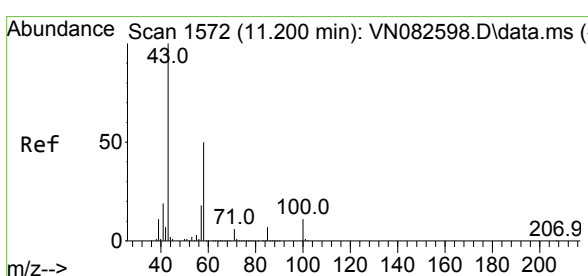
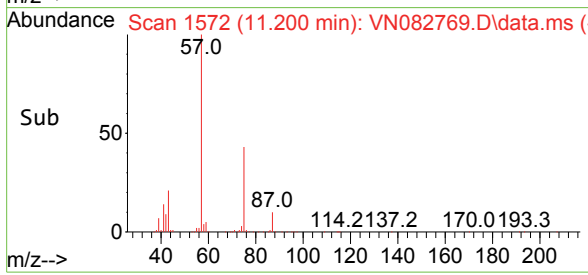
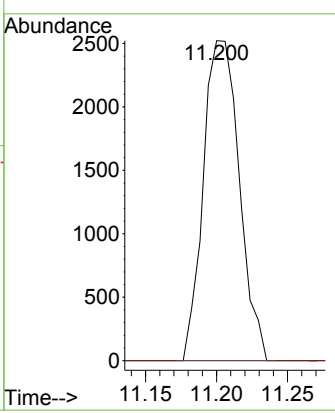
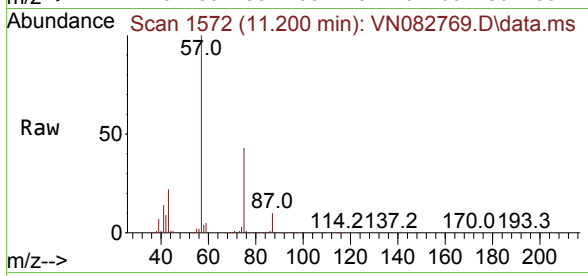




#57
 1,3-Dichloropropane
 Concen: 1.698 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.035 min
 Lab File: VN082769.D
 Acq: 01 Jul 2024 16:40

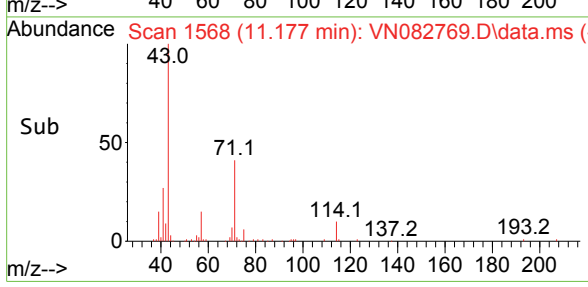
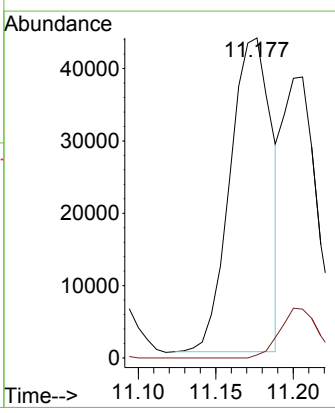
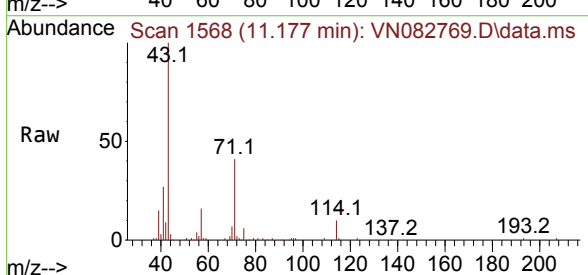
Instrument :
 MSVOA_N
 ClientSampleId :

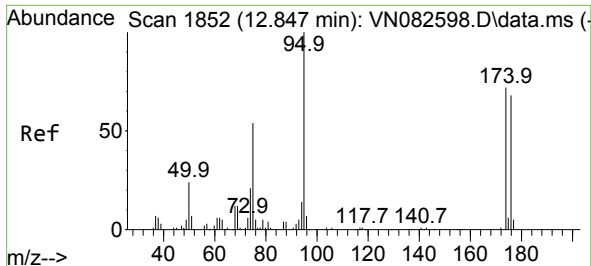
Tgt Ion:	76	Resp:	4451
Ion Ratio	Lower	Upper	
76	100		
78	0.0	25.6	38.4#



#59
 2-Hexanone
 Concen: 49.512 ug/l
 RT: 11.177 min Scan# 1568
 Delta R.T. -0.023 min
 Lab File: VN082769.D
 Acq: 01 Jul 2024 16:40

Tgt Ion:	43	Resp:	81029
Ion Ratio	Lower	Upper	
43	100		
58	0.0	24.6	73.8#

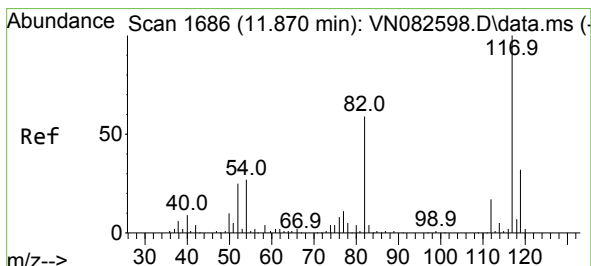
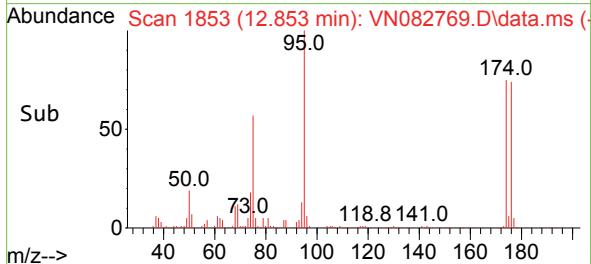
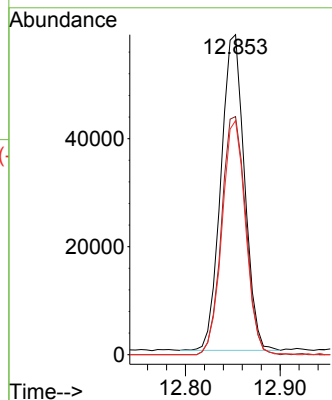
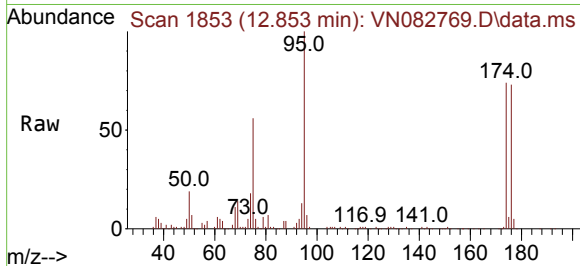




#62
4-Bromofluorobenzene
Concen: 56.686 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

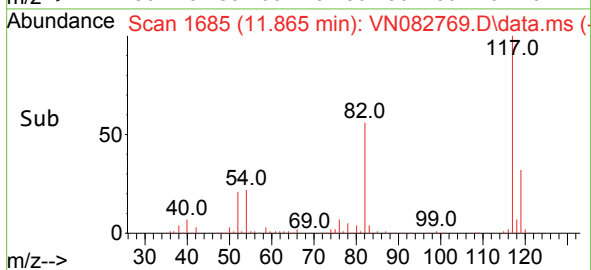
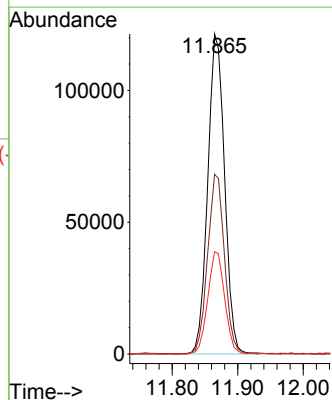
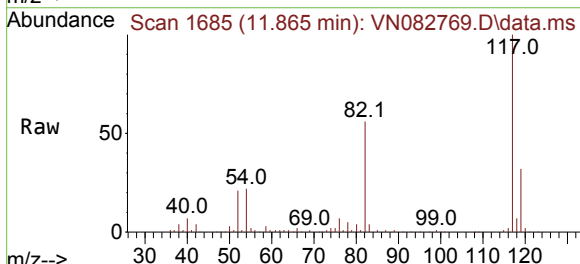
Instrument :
MSVOA_N
ClientSampleId :

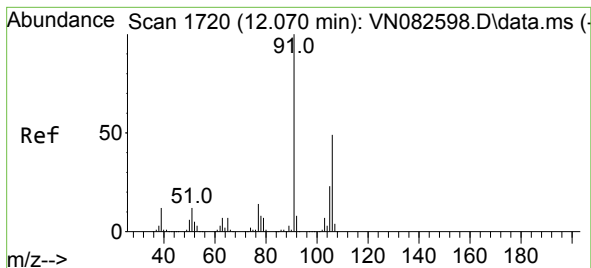
Tgt Ion: 95 Resp: 101128
Ion Ratio Lower Upper
95 100
174 77.7 0.0 159.2
176 74.2 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

Tgt Ion: 117 Resp: 216717
Ion Ratio Lower Upper
117 100
82 56.0 47.5 71.3
119 32.0 25.6 38.4

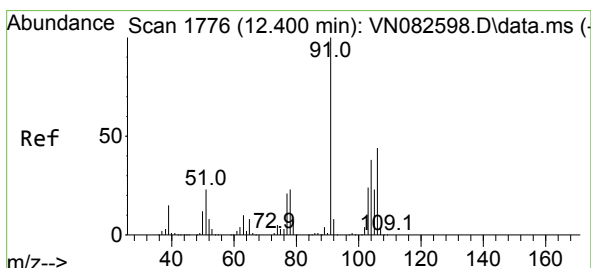
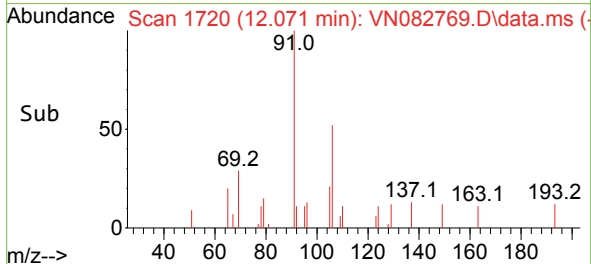
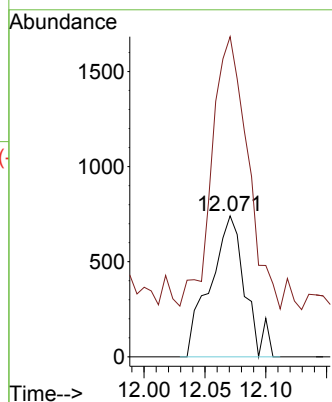
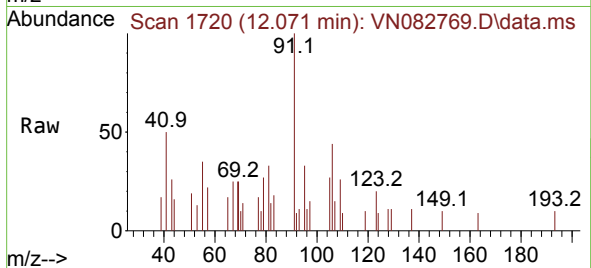




#68
m/p-Xylenes
Concen: 0.492 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.001 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

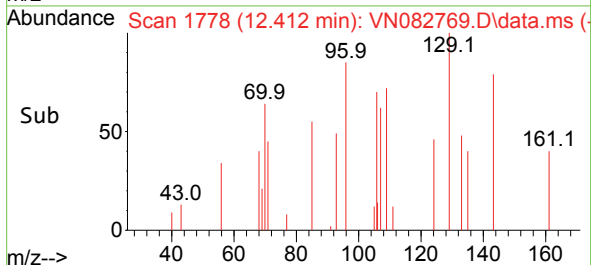
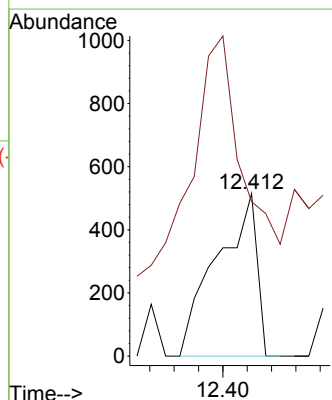
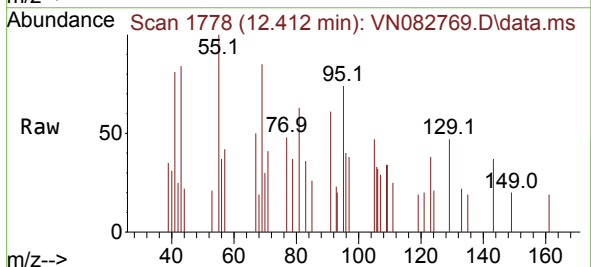
Instrument :
MSVOA_N
ClientSampleId :

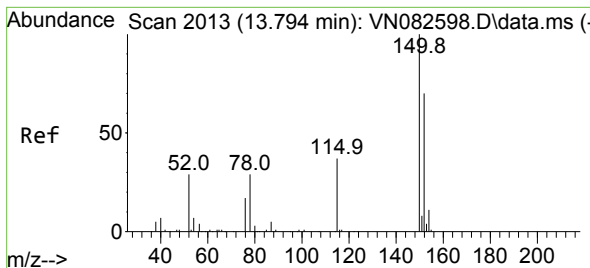
Tgt Ion:106 Resp: 1469
Ion Ratio Lower Upper
106 100
91 199.1 166.1 249.1



#69
o-Xylene
Concen: 0.204 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.012 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

Tgt Ion:106 Resp: 588
Ion Ratio Lower Upper
106 100
91 162.2 111.3 333.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

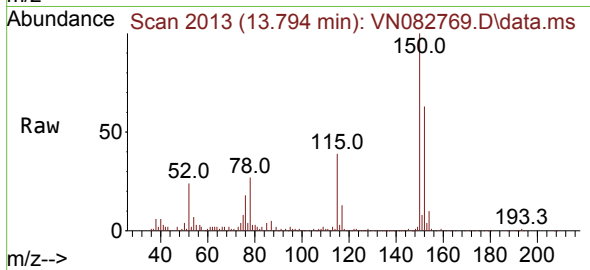
Lab File: VN082769.D

Acq: 01 Jul 2024 16:40

Instrument :

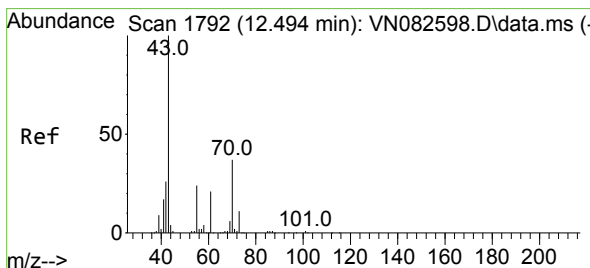
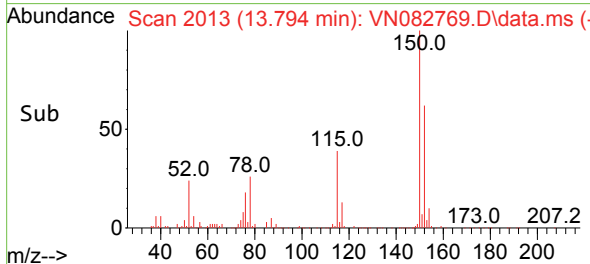
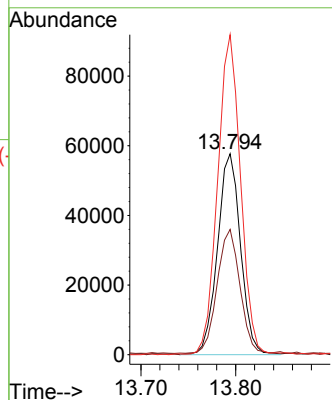
MSVOA_N

ClientSampleId :



Tgt Ion:152 Resp: 97706

Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.6	91.6
150	158.6	0.0	348.6



#74

N-ethyl acetate

Concen: 0.451 ug/l

RT: 12.488 min Scan# 1791

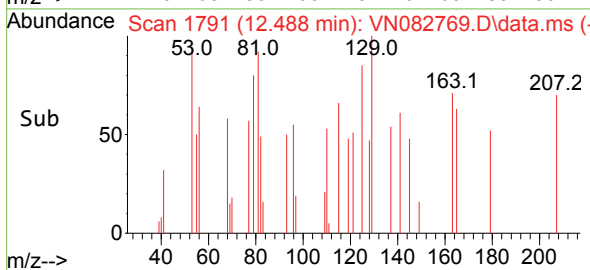
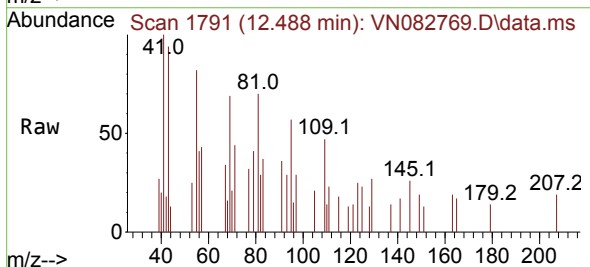
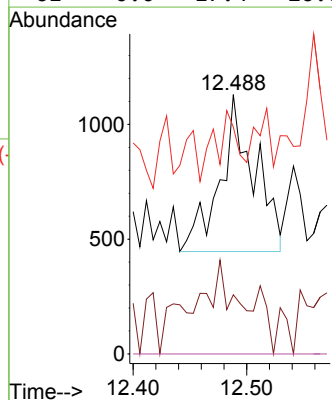
Delta R.T. -0.006 min

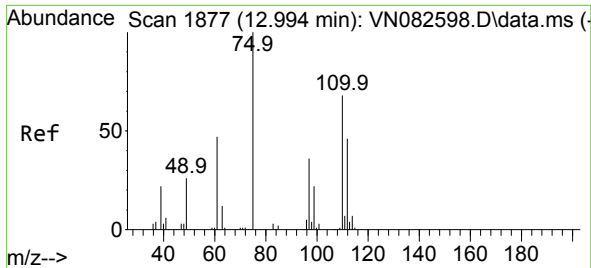
Lab File: VN082769.D

Acq: 01 Jul 2024 16:40

Tgt Ion: 43 Resp: 1435

Ion	Ratio	Lower	Upper
43	100		
70	28.6	29.8	44.6#
55	29.3	18.7	28.1#
61	0.0	17.4	26.0#

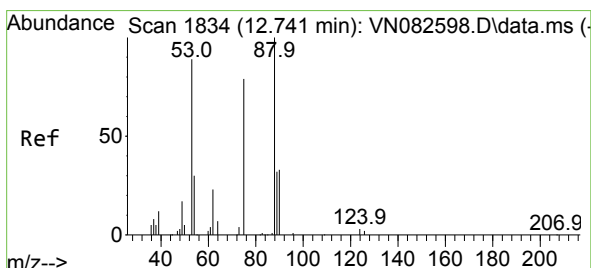
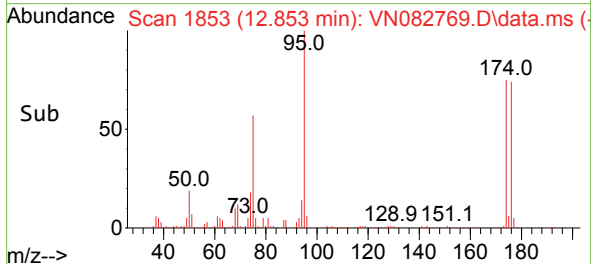
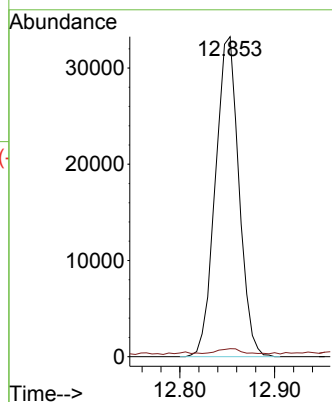
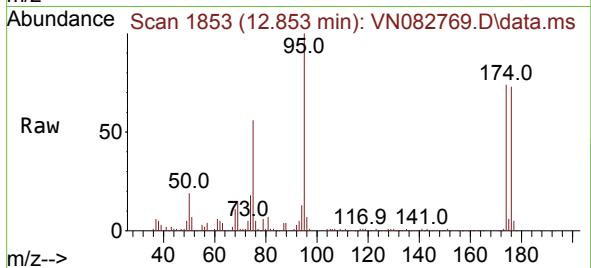




#76
1,2,3-Trichloropropane
Concen: 26.950 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

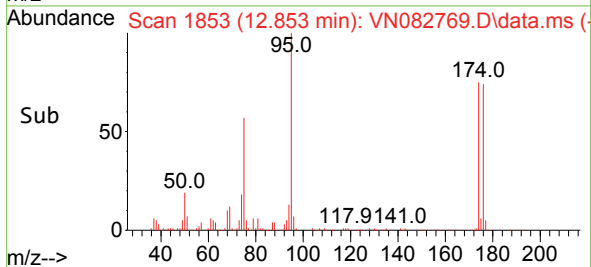
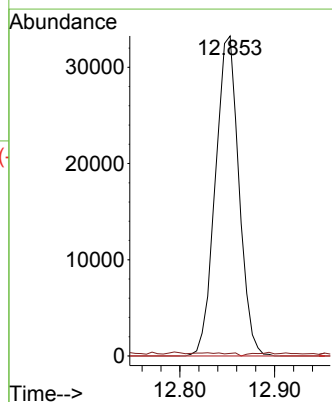
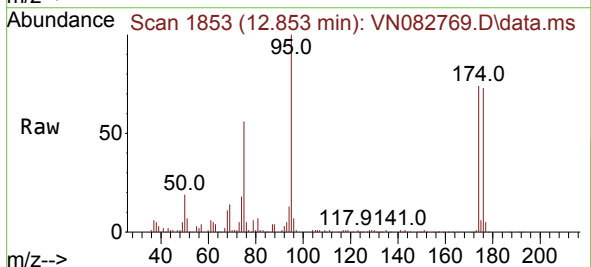
Instrument :
MSVOA_N
ClientSampleId :

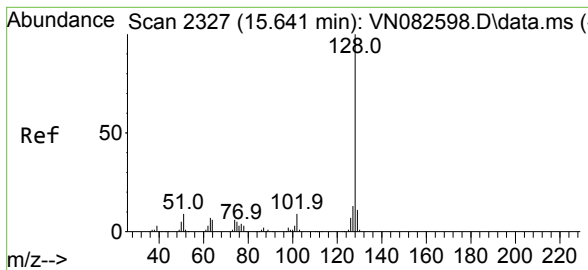
Tgt Ion: 75 Resp: 57436
Ion Ratio Lower Upper
75 100
77 1.6 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.283 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082769.D
Acq: 01 Jul 2024 16:40

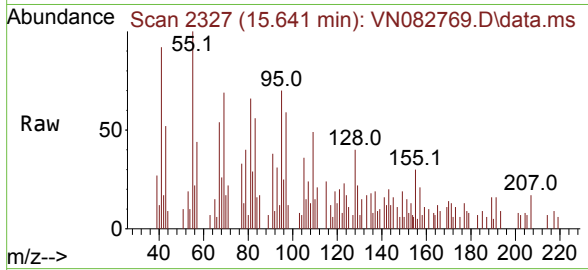
Tgt Ion: 75 Resp: 57436
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#





#95
 Naphthalene
 Concen: 0.322 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN082769.D
 Acq: 01 Jul 2024 16:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:128 Resp: 1680

Ion	Ratio	Lower	Upper
128	100		
127	18.6	10.6	16.0#
129	28.9	8.6	12.8#

