

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061924\
 Data File : VN082652.D
 Acq On : 19 Jun 2024 19:42
 Operator : JC\MD
 Sample : P2956-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 03:06:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

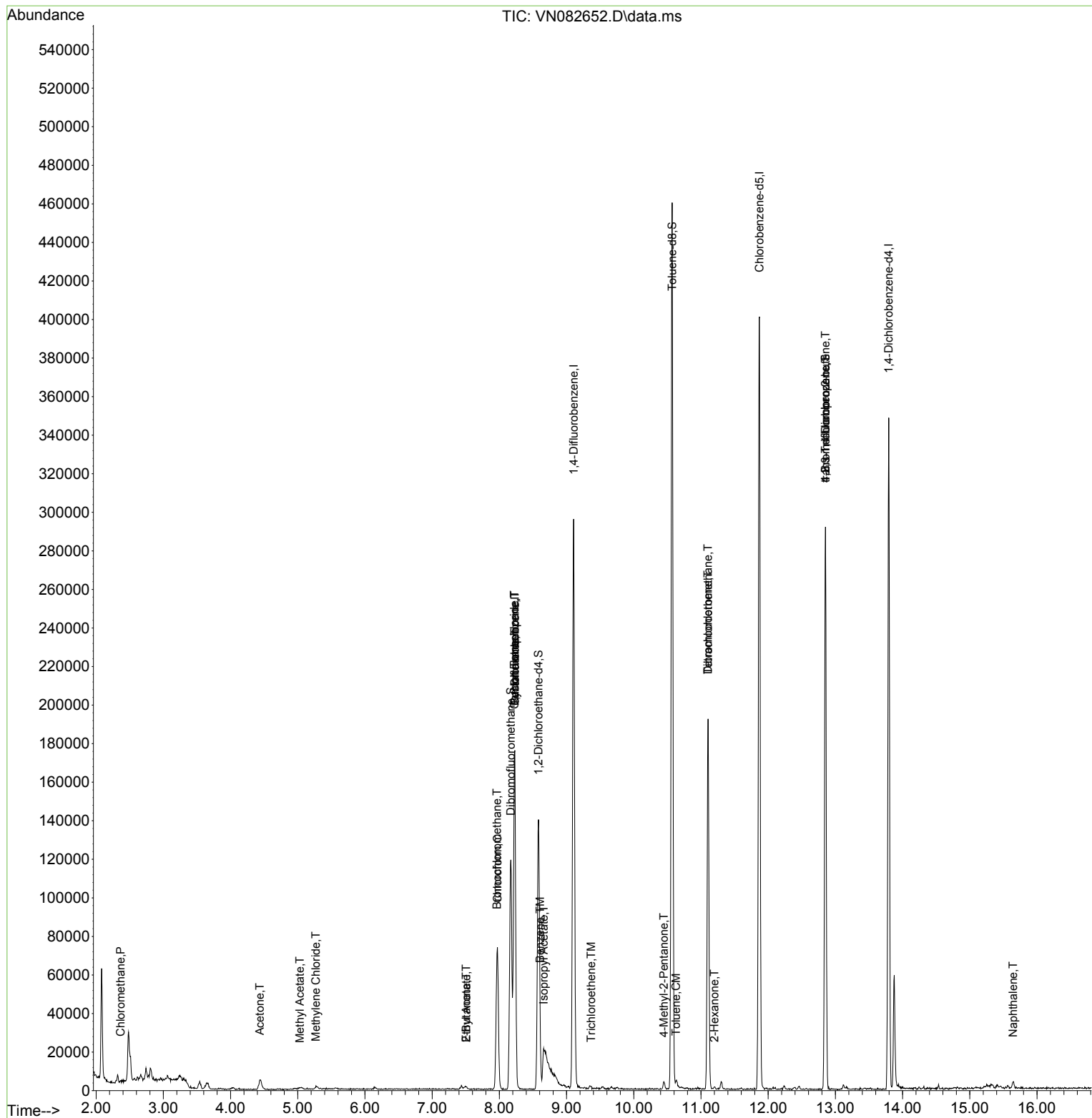
Internal Standards						
1) Pentafluorobenzene	8.230	168	121671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	229615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	219731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	85486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	114109	58.483	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.960%			
35) Dibromofluoromethane	8.171	113	84938	54.528	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.060%			
50) Toluene-d8	10.571	98	299653	50.870	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.740%			
62) 4-Bromofluorobenzene	12.853	95	90947	44.782	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 89.560%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	535	0.263	ug/l #	43
16) Acetone	4.436	43	10579	11.922	ug/l	99
18) Methyl Acetate	5.030	43	1136	0.523	ug/l #	56
20) Methylene Chloride	5.271	84	1092	0.700	ug/l #	81
25) 2-Butanone	7.506	43	3034	2.405	ug/l #	86
28) Bromochloromethane	7.965	49	6488	4.723	ug/l #	21
30) Chloroform	7.971	83	68368	23.285	ug/l	95
31) Cyclohexane	8.230	56	3607	1.281	ug/l #	31
36) 1,1-Dichloropropene	8.230	75	11478	4.929	ug/l #	50
37) Ethyl Acetate	7.506	43	3034	1.023	ug/l #	72
38) Carbon Tetrachloride	8.224	117	13025	4.963	ug/l #	18
40) Benzene	8.606	78	4477	0.622	ug/l	100
43) Isopropyl Acetate	8.659	43	15029	2.711	ug/l #	60
44) Trichloroethene	9.365	130	438	0.262	ug/l	100
51) 4-Methyl-2-Pentanone	10.447	43	3235	1.138	ug/l	90
52) Toluene	10.629	92	1668	0.383	ug/l	92
59) 2-Hexanone	11.200	43	969	0.448	ug/l #	28
60) Dibromochloromethane	11.106	129	38563	20.017	ug/l #	10
64) Tetrachloroethene	11.106	164	41678	23.005	ug/l	94
76) 1,2,3-Trichloropropane	12.853	75	54500	26.066	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	54500	62.361	ug/l #	6
95) Naphthalene	15.647	128	4045	0.843	ug/l #	91

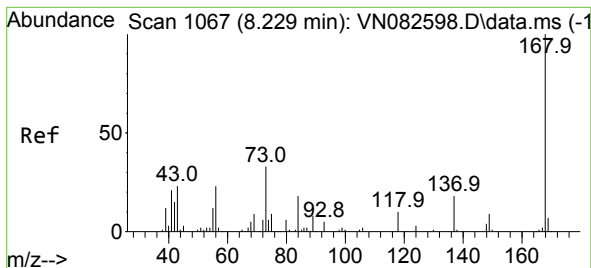
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN082652.D

Acq: 19 Jun 2024 19:42

Instrument :

MSVOA_N

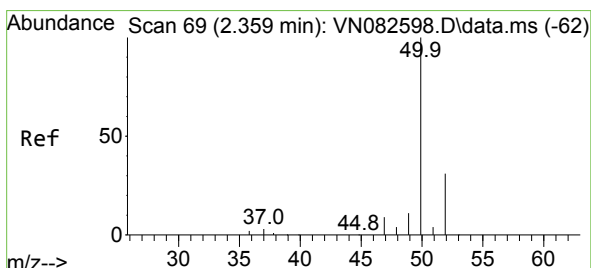
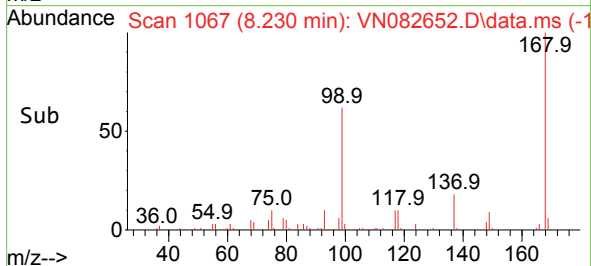
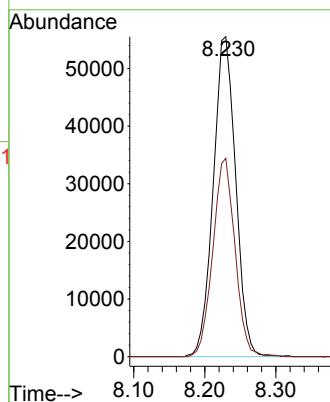
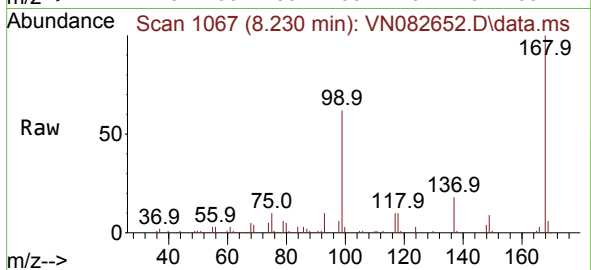
ClientSampleId :

Tgt Ion:168 Resp: 121671

Ion Ratio Lower Upper

168 100

99 62.0 48.2 72.4



#3

Chloromethane

Concen: 0.263 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN082652.D

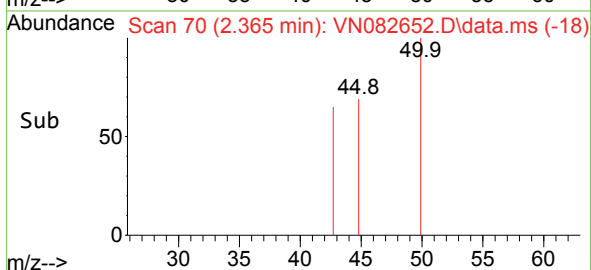
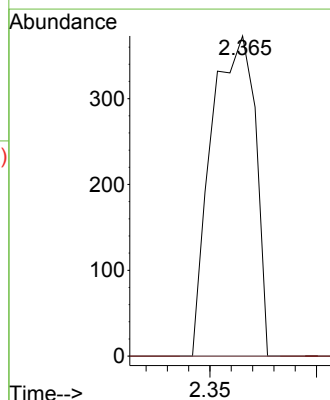
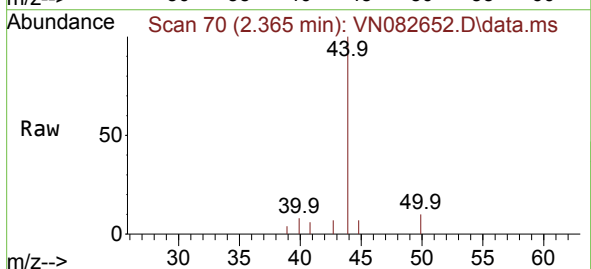
Acq: 19 Jun 2024 19:42

Tgt Ion: 50 Resp: 535

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

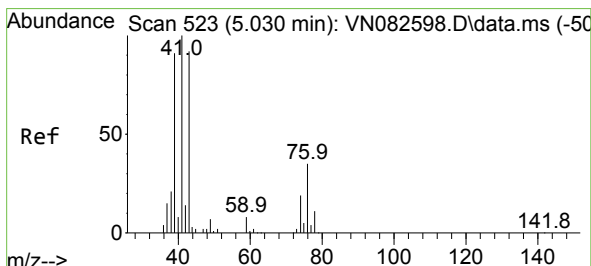
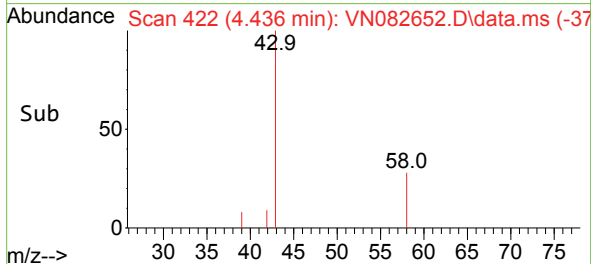
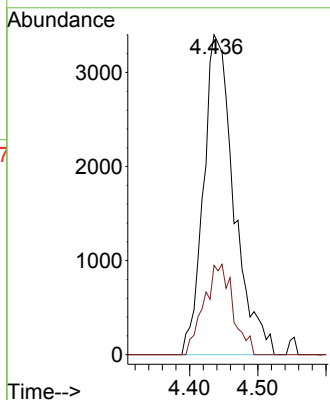
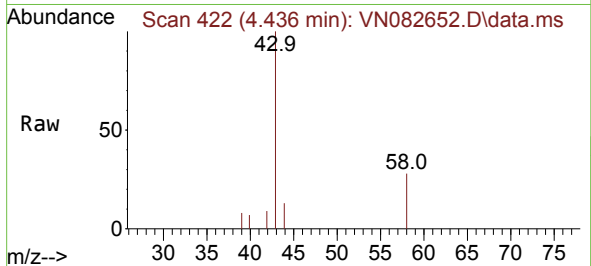




#16
Acetone
Concen: 11.922 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

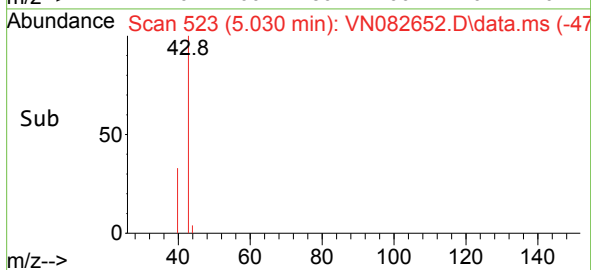
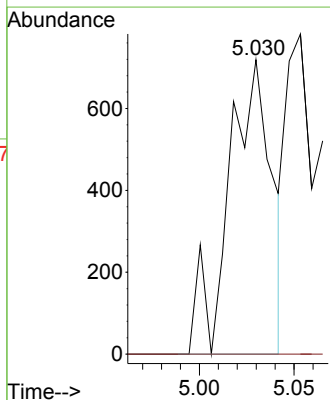
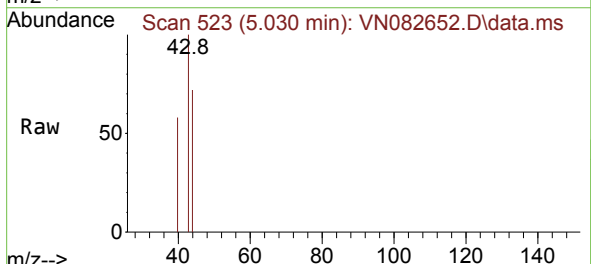
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 10579
Ion Ratio Lower Upper
43 100
58 27.9 21.8 32.6



#18
Methyl Acetate
Concen: 0.523 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

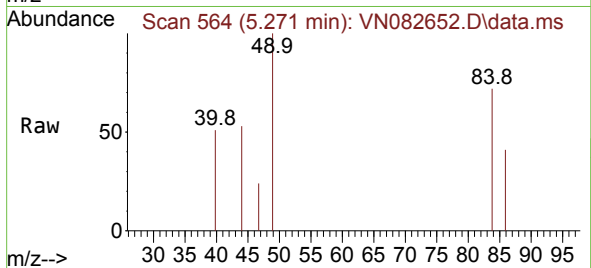
Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



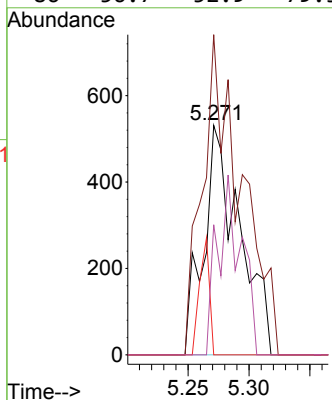
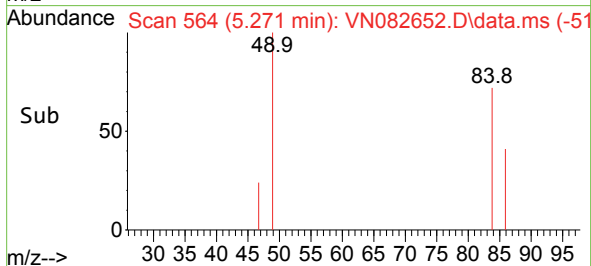


#20
Methylene Chloride
Concen: 0.700 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

Instrument :
MSVOA_N
ClientSampleId :

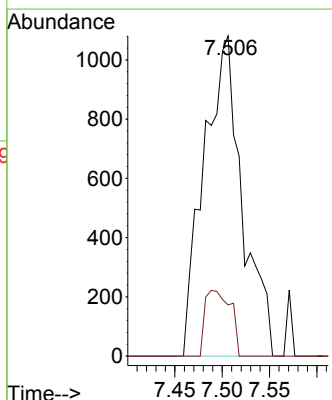
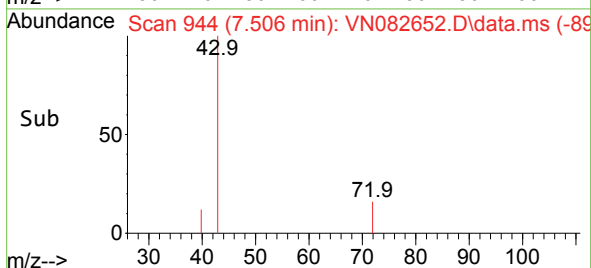
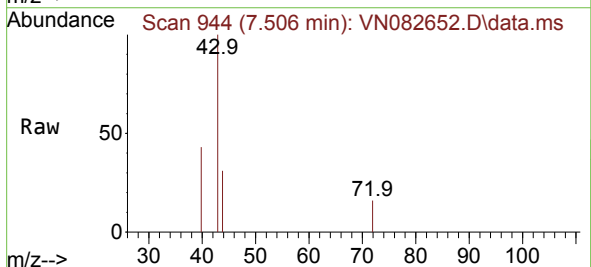


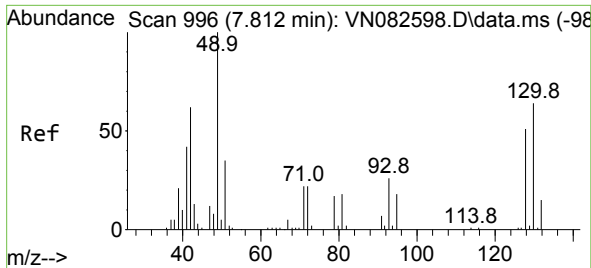
Tgt Ion:	84	Resp:	1092
Ion	Ratio	Lower	Upper
84	100		
49	139.5	119.6	179.4
51	0.0	34.8	52.2#
86	56.7	52.9	79.3



#25
2-Butanone
Concen: 2.405 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

Tgt Ion:	43	Resp:	3034
Ion	Ratio	Lower	Upper
43	100		
72	16.0	18.2	27.2#

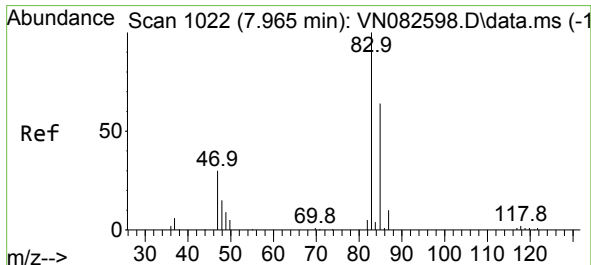
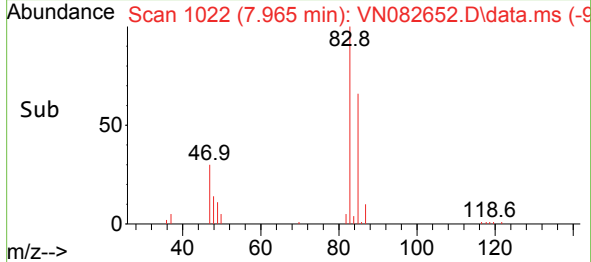
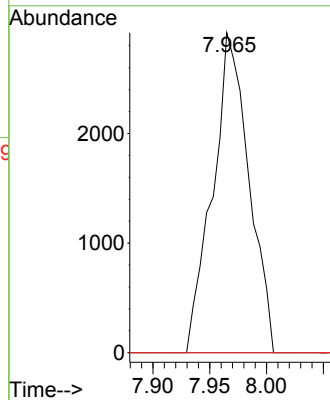
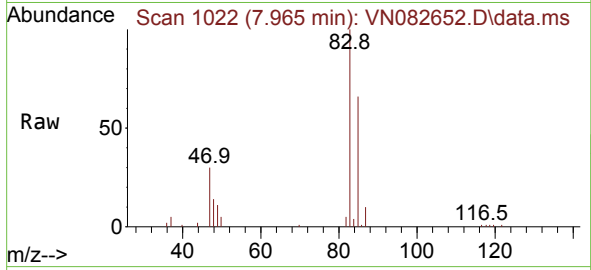




#28
Bromochloromethane
Concen: 4.723 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.153 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

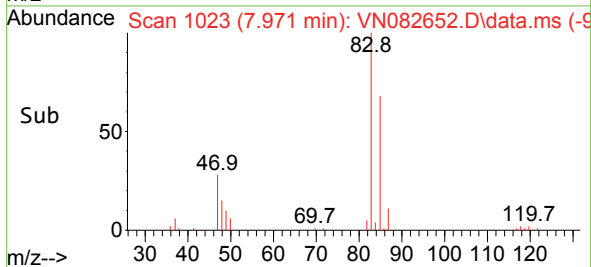
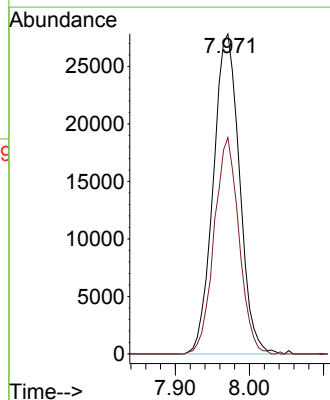
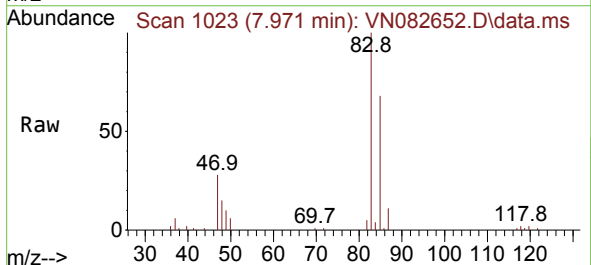
Instrument :
MSVOA_N
ClientSampleId :

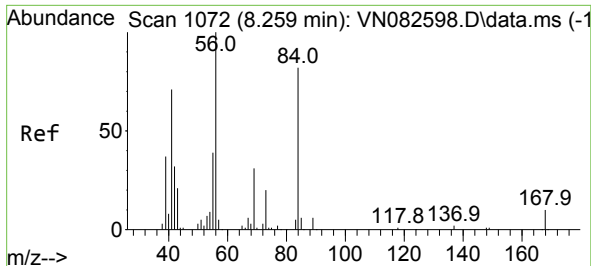
Tgt Ion: 49 Resp: 6488
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 50.5 75.7#



#30
Chloroform
Concen: 23.285 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

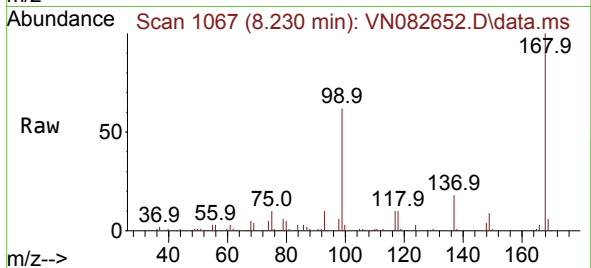
Tgt Ion: 83 Resp: 68368
Ion Ratio Lower Upper
83 100
85 67.6 50.9 76.3



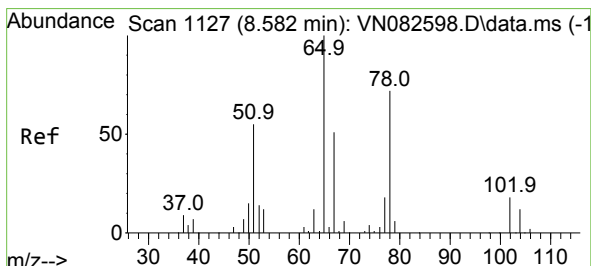
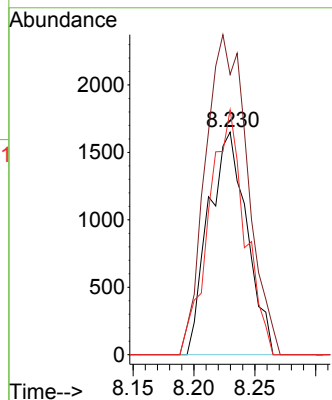
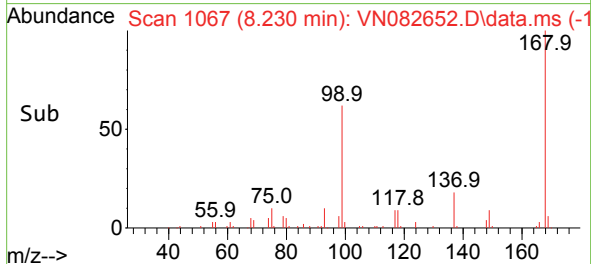


#31
Cyclohexane
Concen: 1.281 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

Instrument :
MSVOA_N
ClientSampleId :

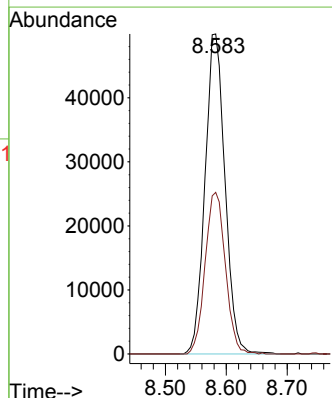
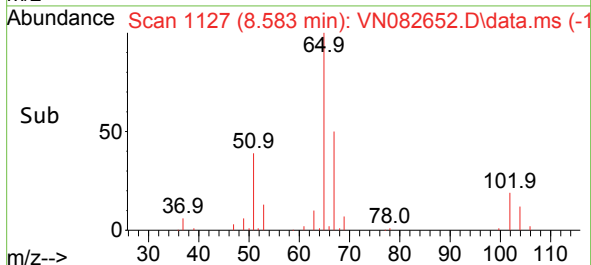
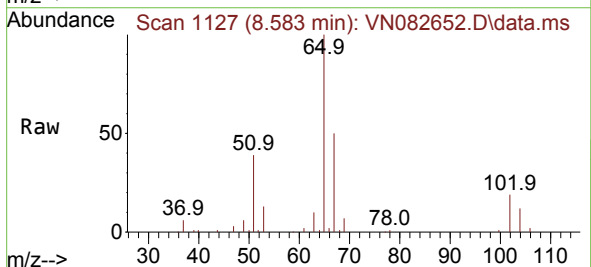


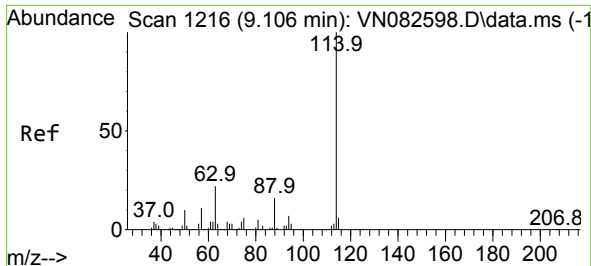
Tgt Ion: 56 Resp: 3607
Ion Ratio Lower Upper
56 100
69 125.9 24.5 36.7#
84 109.9 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 58.483 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

Tgt Ion: 65 Resp: 114109
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

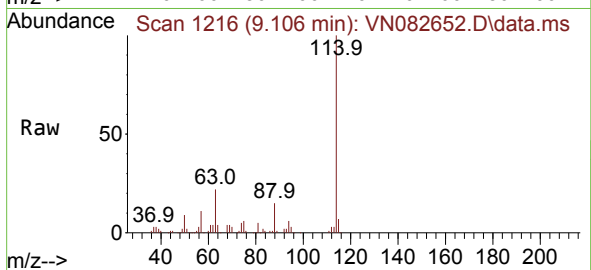
Lab File: VN082652.D

Acq: 19 Jun 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :



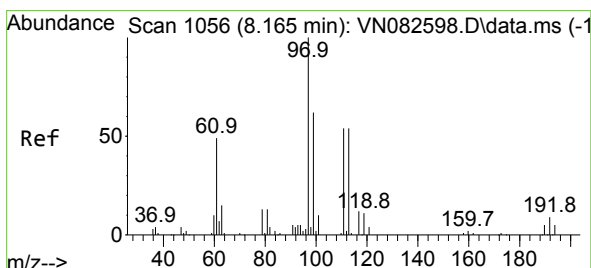
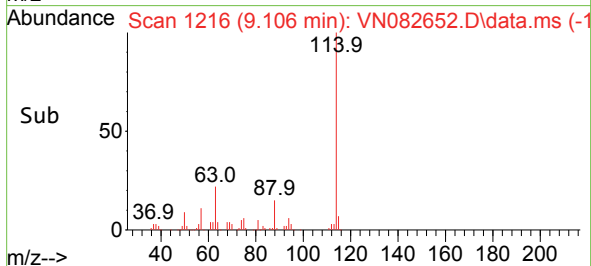
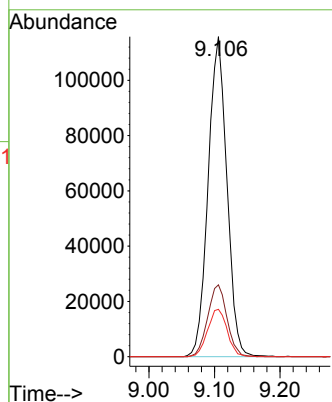
Tgt Ion:114 Resp: 229615

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.6

88 14.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 54.528 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082652.D

Acq: 19 Jun 2024 19:42

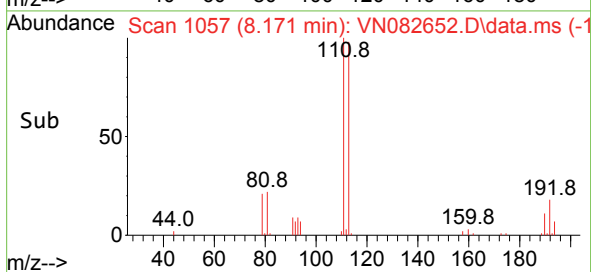
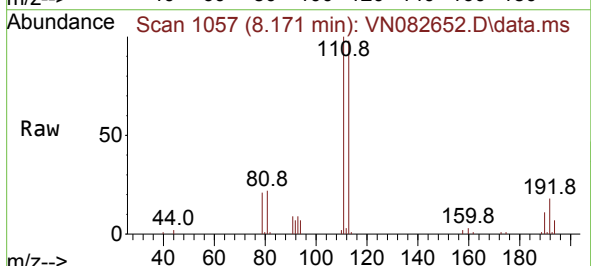
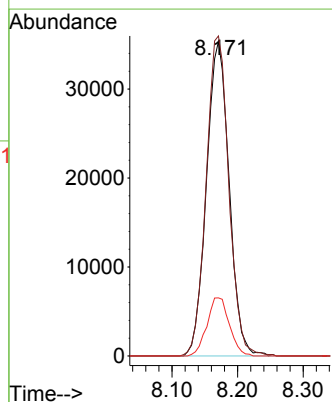
Tgt Ion:113 Resp: 84938

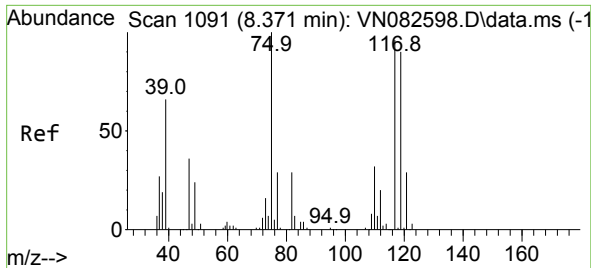
Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

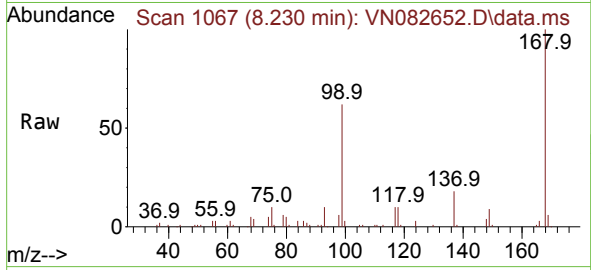
192 18.3 14.9 22.3



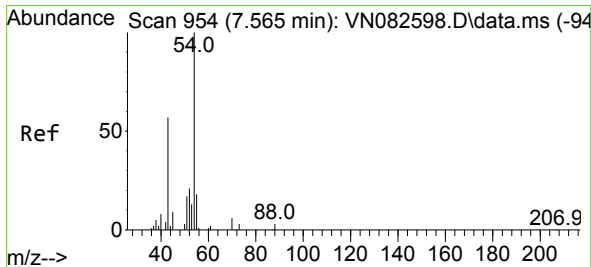
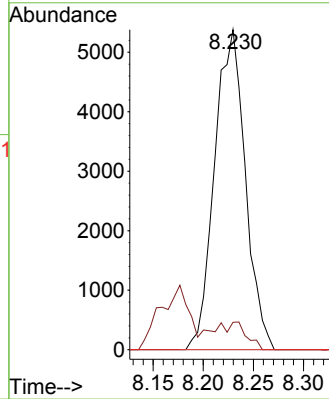
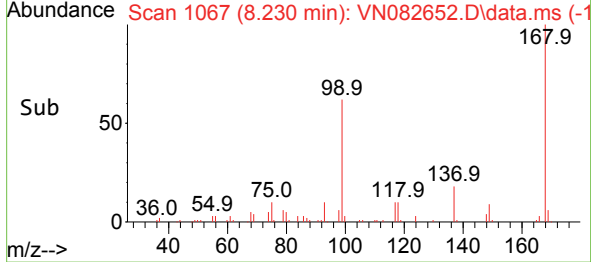


#36
1,1-Dichloropropene
Concen: 4.929 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

Instrument :
MSVOA_N
ClientSampleId :

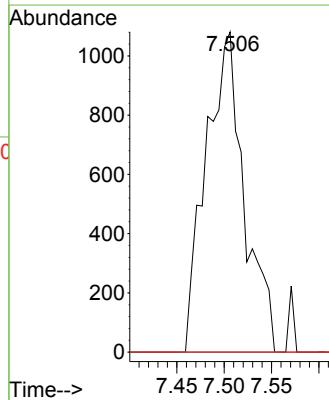
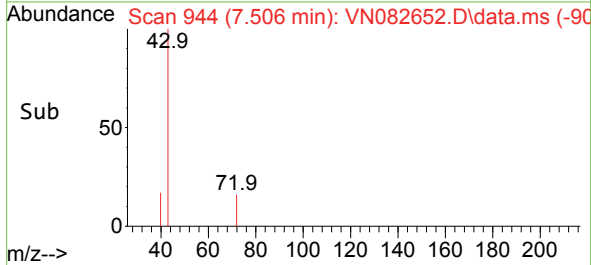
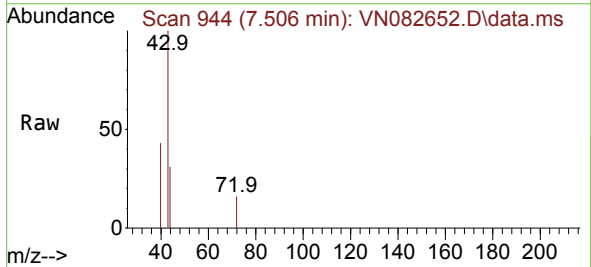


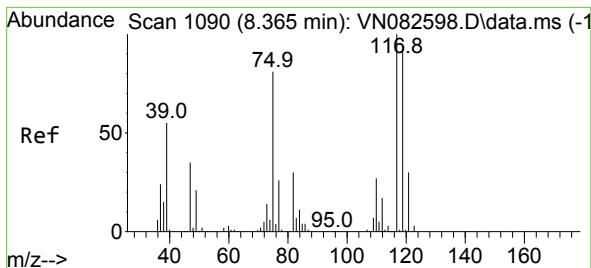
Tgt Ion: 75 Resp: 11478
Ion Ratio Lower Upper
75 100
110 7.8 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.023 ug/l
RT: 7.506 min Scan# 944
Delta R.T. -0.059 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

Tgt Ion: 43 Resp: 3034
Ion Ratio Lower Upper
43 100
61 0.0 9.3 13.9#
70 0.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 4.963 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

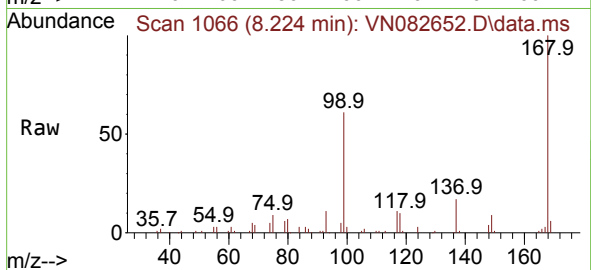
Lab File: VN082652.D

Acq: 19 Jun 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :



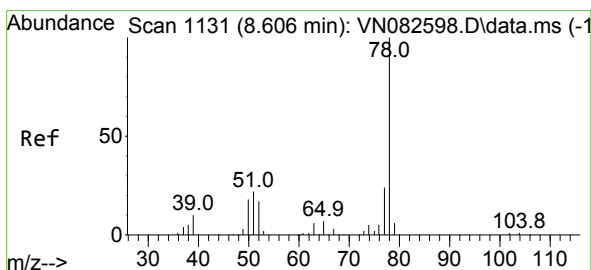
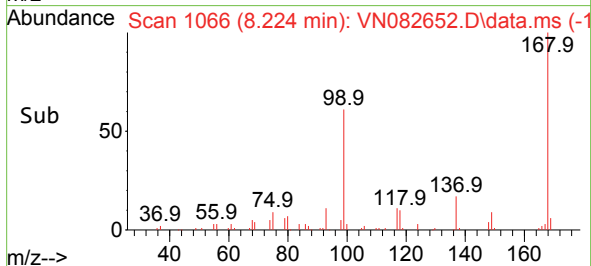
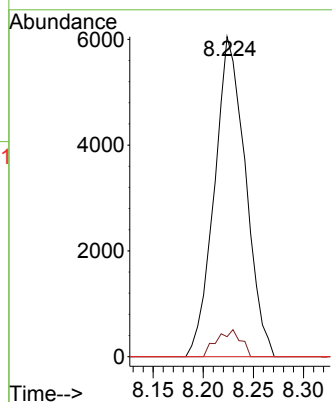
Tgt Ion:117 Resp: 13025

Ion Ratio Lower Upper

117 100

119 6.2 74.9 112.3#

121 0.0 24.3 36.5#



#40

Benzene

Concen: 0.622 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN082652.D

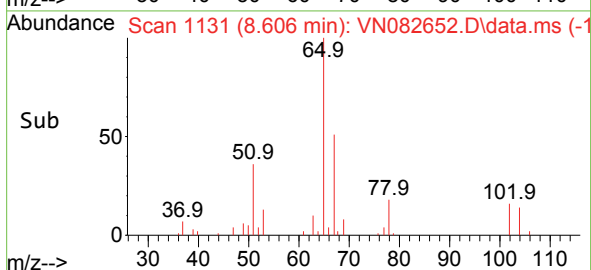
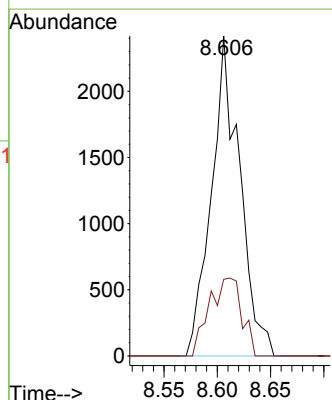
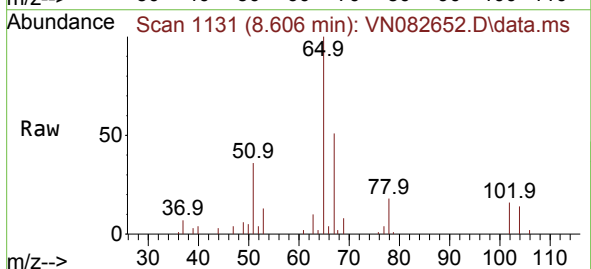
Acq: 19 Jun 2024 19:42

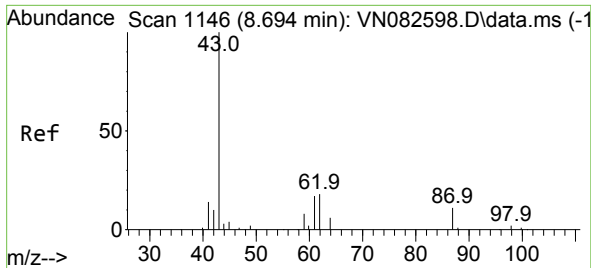
Tgt Ion: 78 Resp: 4477

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.4

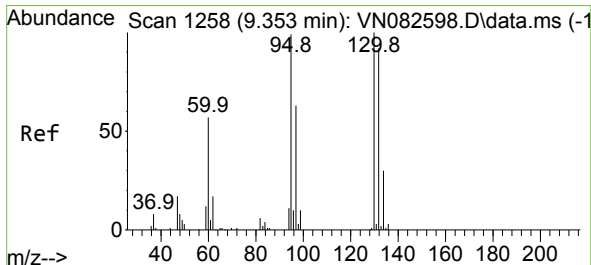
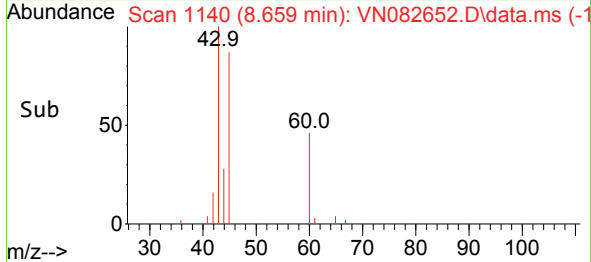
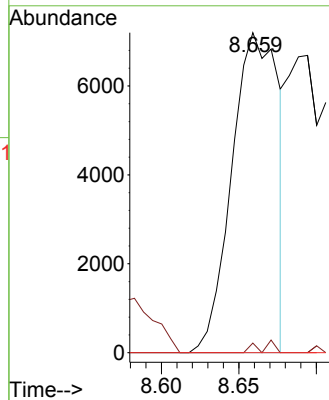
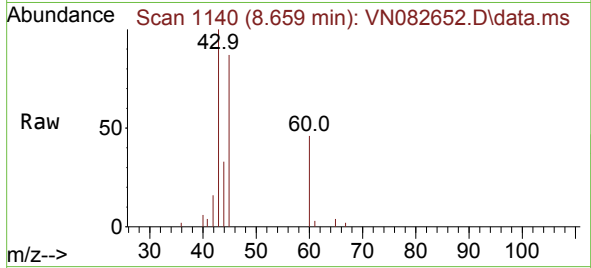




#43
Isopropyl Acetate
Concen: 2.711 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.035 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

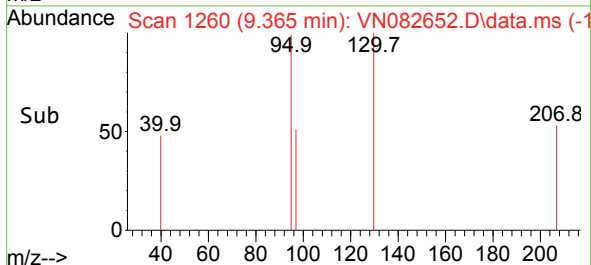
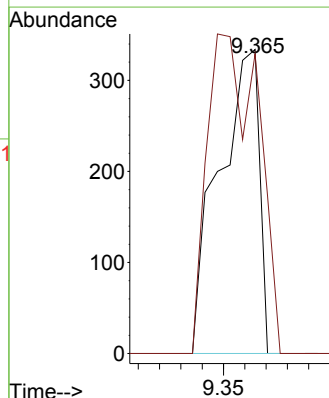
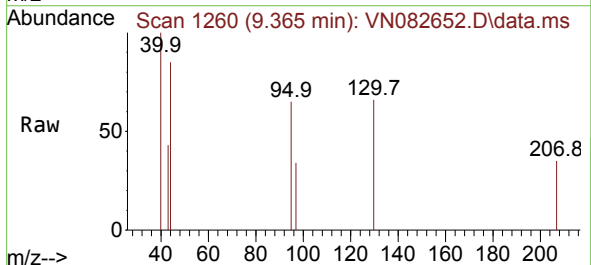
Instrument :
MSVOA_N
ClientSampleId :

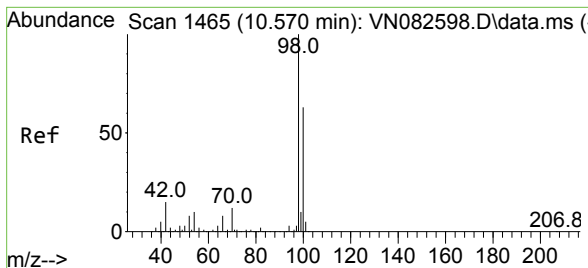
Tgt Ion: 43 Resp: 15029
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#44
Trichloroethene
Concen: 0.262 ug/l
RT: 9.365 min Scan# 1260
Delta R.T. 0.012 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

Tgt Ion:130 Resp: 438
Ion Ratio Lower Upper
130 100
95 98.5 0.0 197.8

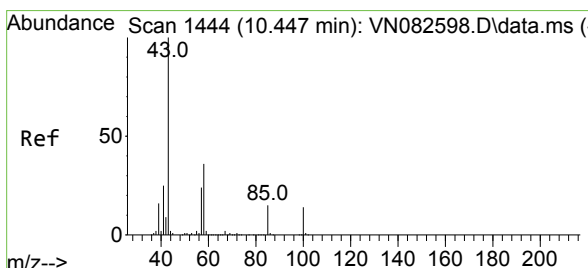
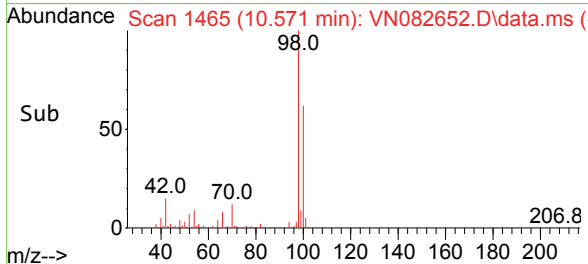
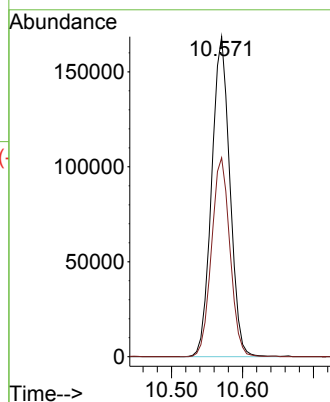
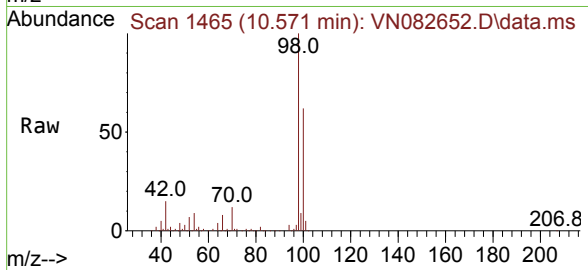




#50
Toluene-d8
Concen: 50.870 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

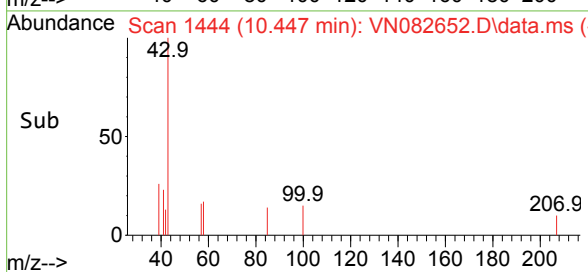
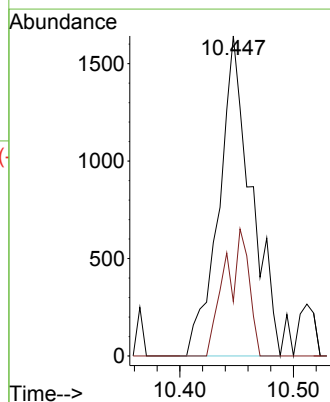
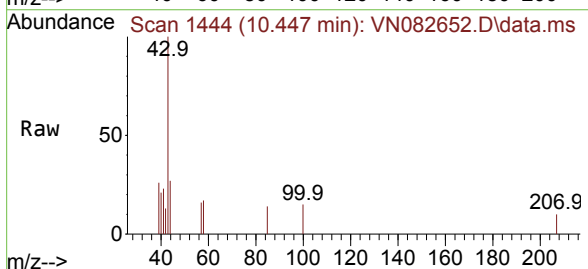
Instrument :
MSVOA_N
ClientSampleId :

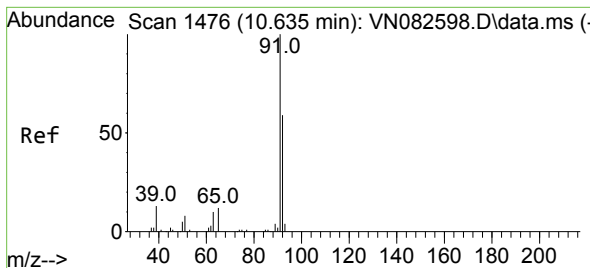
Tgt Ion: 98 Resp: 299653
Ion Ratio Lower Upper
98 100
100 62.8 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.138 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

Tgt Ion: 43 Resp: 3235
Ion Ratio Lower Upper
43 100
58 29.4 28.2 42.4





#52

Toluene

Concen: 0.383 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN082652.D

Acq: 19 Jun 2024 19:42

Instrument :

MSVOA_N

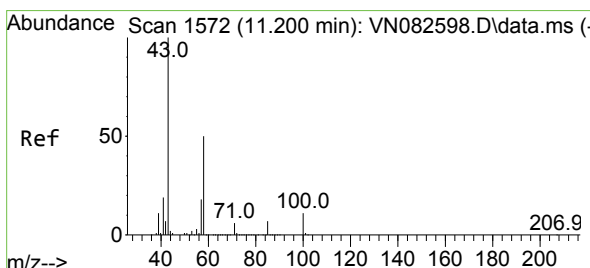
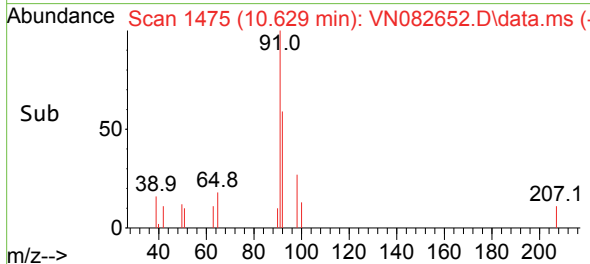
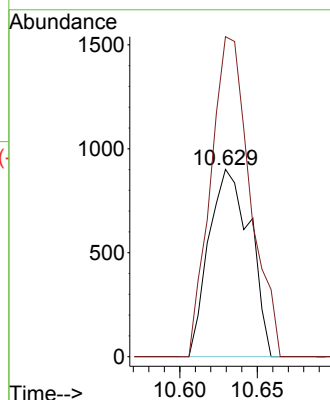
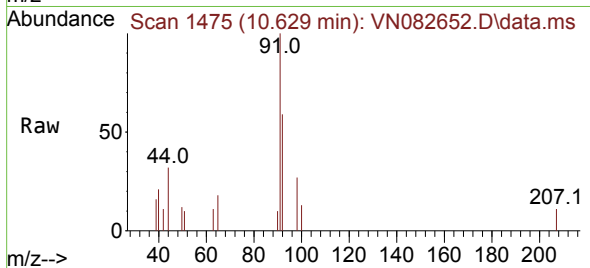
ClientSampleId :

Tgt Ion: 92 Resp: 1668

Ion Ratio Lower Upper

92 100

91 163.5 139.4 209.0



#59

2-Hexanone

Concen: 0.448 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.000 min

Lab File: VN082652.D

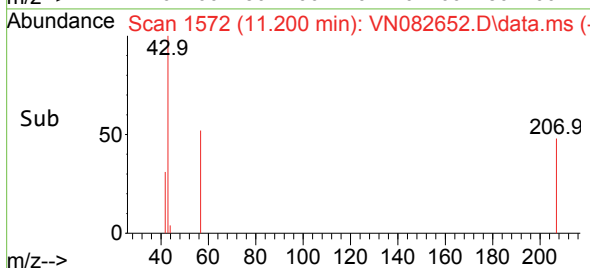
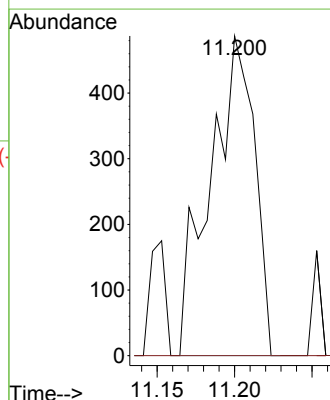
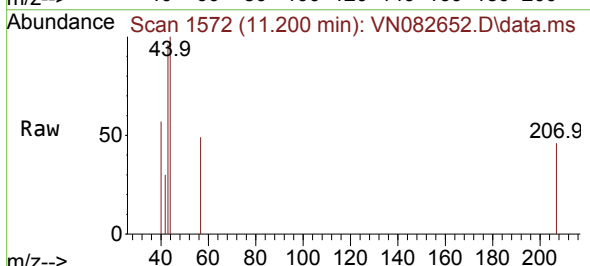
Acq: 19 Jun 2024 19:42

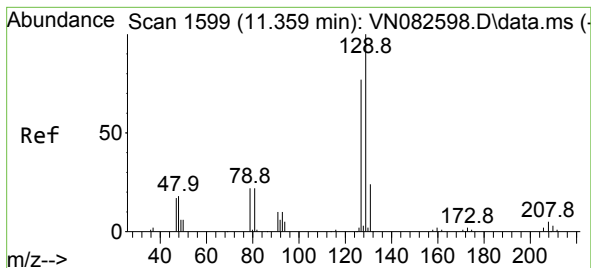
Tgt Ion: 43 Resp: 969

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

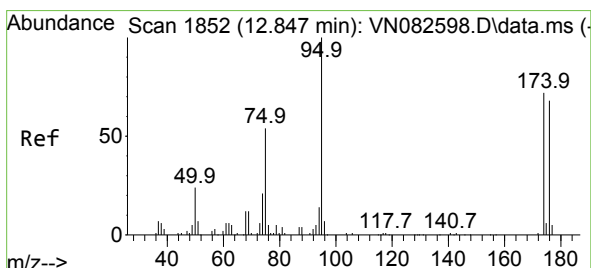
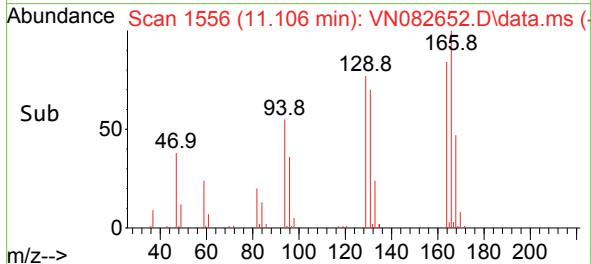
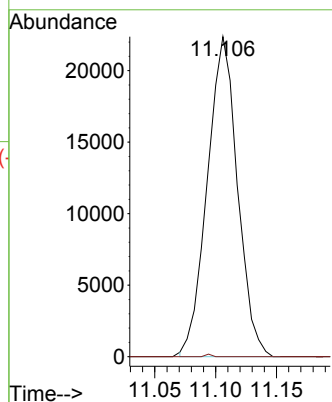
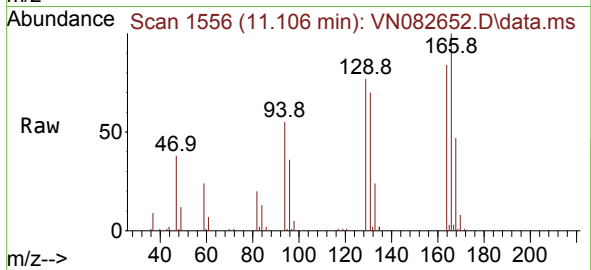




#60
Dibromochloromethane
Concen: 20.017 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

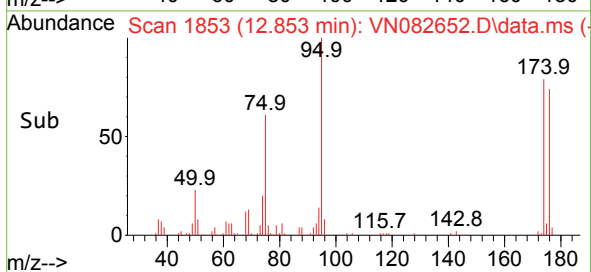
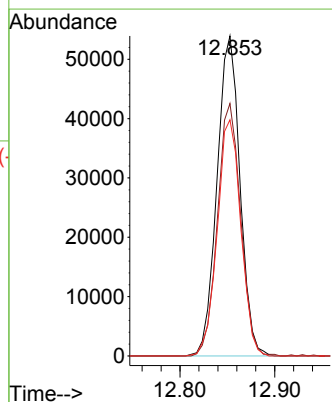
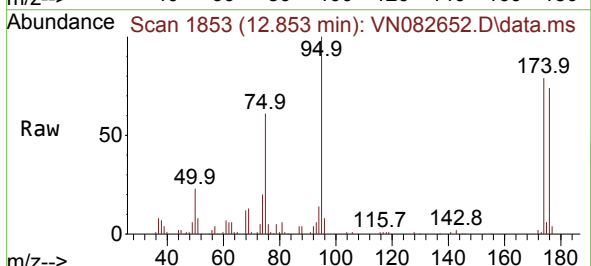
Instrument :
MSVOA_N
ClientSampleId :

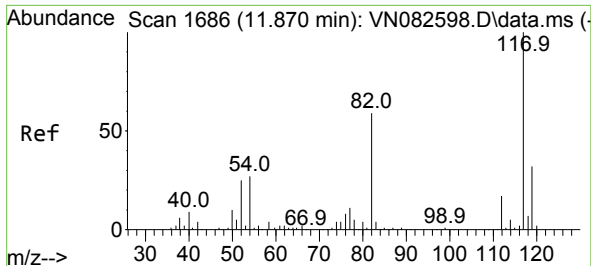
Tgt Ion:129 Resp: 38563
Ion Ratio Lower Upper
129 100
127 0.2 39.2 117.6#



#62
4-Bromofluorobenzene
Concen: 44.782 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

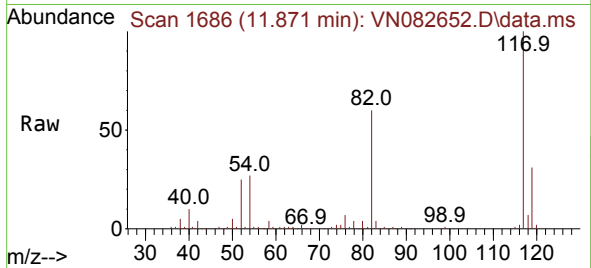
Tgt Ion: 95 Resp: 90947
Ion Ratio Lower Upper
95 100
174 79.6 0.0 159.2
176 75.5 0.0 147.6



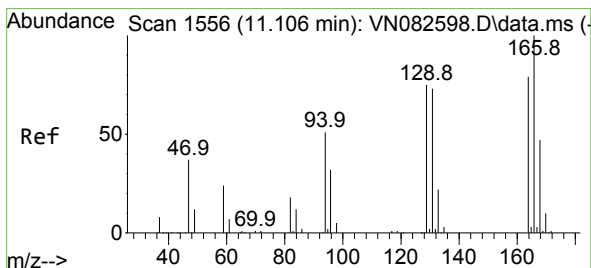
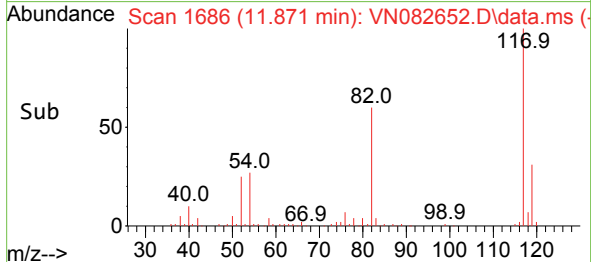
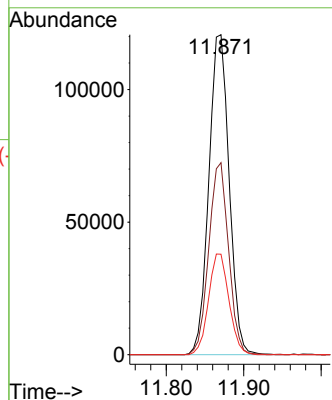


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

Instrument :
MSVOA_N
ClientSampleId :

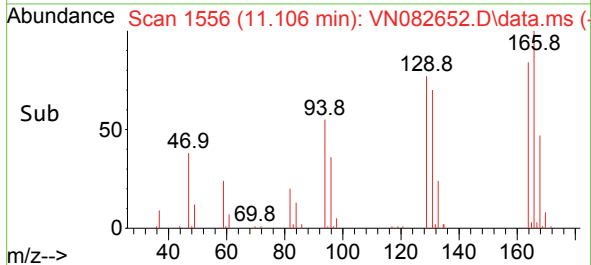
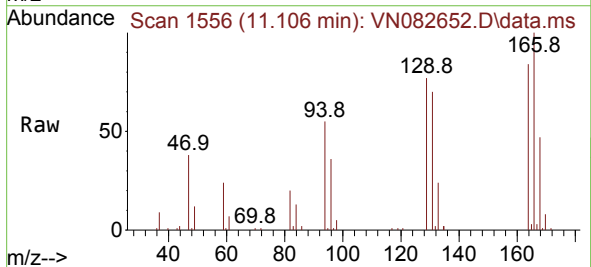
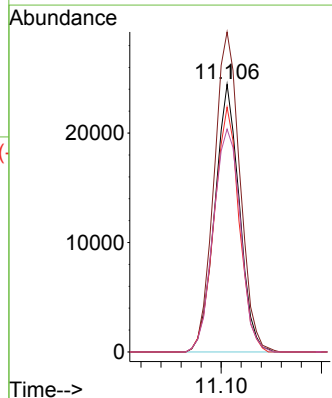


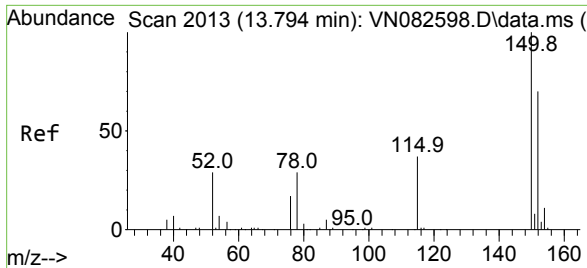
Tgt Ion:117 Resp: 219731
Ion Ratio Lower Upper
117 100
82 60.0 47.5 71.3
119 31.4 25.6 38.4



#64
Tetrachloroethene
Concen: 23.005 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

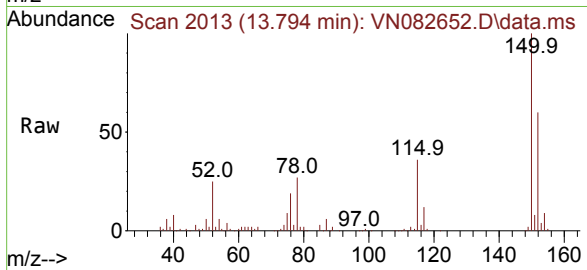
Tgt Ion:164 Resp: 41678
Ion Ratio Lower Upper
164 100
166 119.6 101.4 152.0
129 91.5 75.7 113.5
131 83.3 73.8 110.6



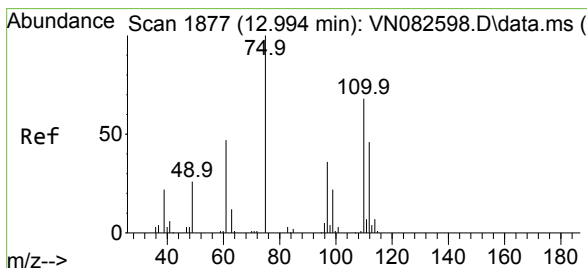
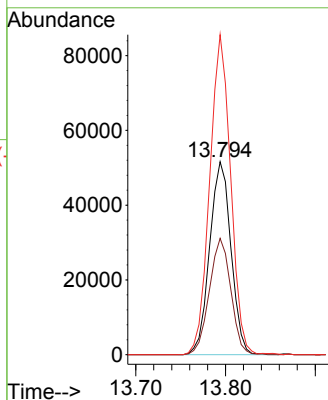
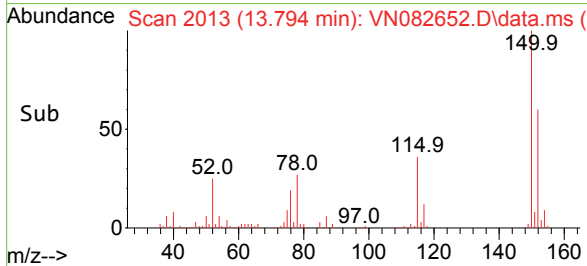


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN082652.D
 Acq: 19 Jun 2024 19:42

Instrument :
 MSVOA_N
 ClientSampleId :

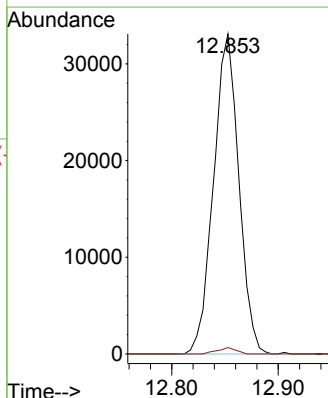
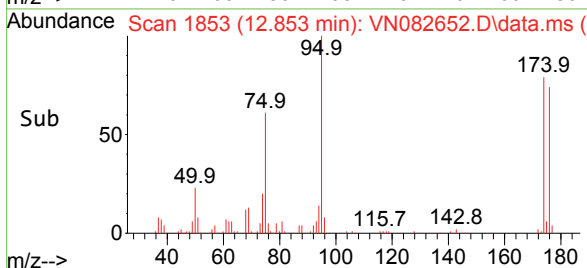
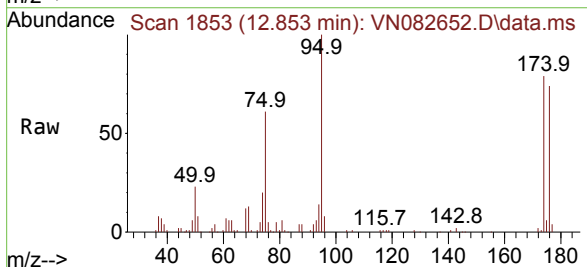


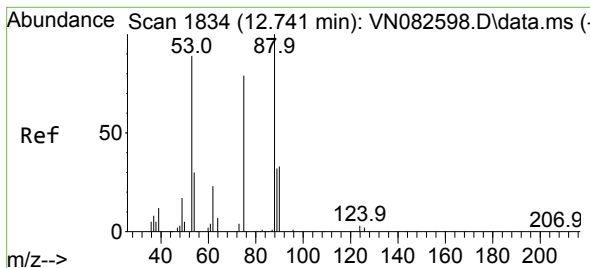
Tgt Ion:152 Resp: 85486
 Ion Ratio Lower Upper
 152 100
 115 60.4 30.6 91.6
 150 162.0 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 26.066 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN082652.D
 Acq: 19 Jun 2024 19:42

Tgt Ion: 75 Resp: 54500
 Ion Ratio Lower Upper
 75 100
 77 1.5 110.9 332.6#

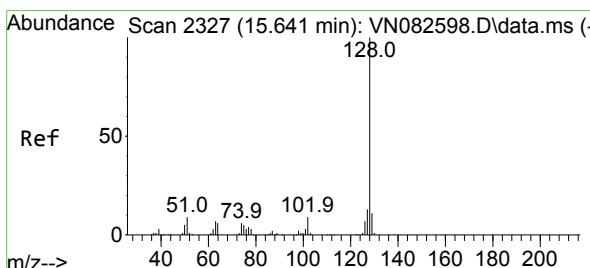
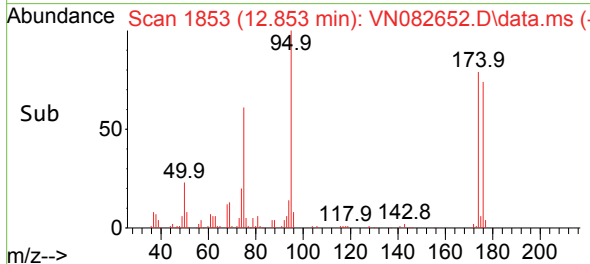
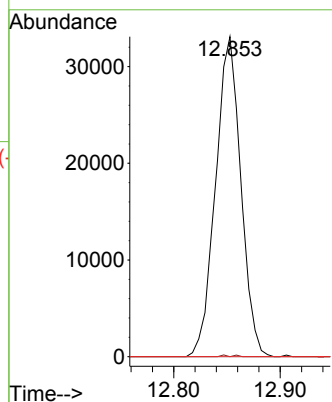
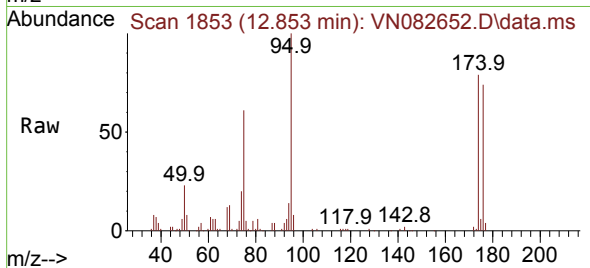




#81
trans-1,4-Dichloro-2-butene
Concen: 62.361 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 54500
Ion Ratio Lower Upper
75 100
53 0.2 88.4 132.6#
89 0.0 36.3 54.5#



#95
Naphthalene
Concen: 0.843 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN082652.D
Acq: 19 Jun 2024 19:42

Tgt Ion:128 Resp: 4045
Ion Ratio Lower Upper
128 100
127 15.3 10.6 16.0
129 5.3 8.6 12.8#

