

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071724\
 Data File : VN082964.D
 Acq On : 17 Jul 2024 15:35
 Operator : JC\MD
 Sample : P3258-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 18 05:25:47 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	74281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	150665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	149279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	62402	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	60370	57.977	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.960%
35) Dibromofluoromethane	8.171	113	49135	50.823	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.640%
50) Toluene-d8	10.570	98	174199	48.785	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.560%
62) 4-Bromofluorobenzene	12.853	95	54409	42.419	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	84.840%

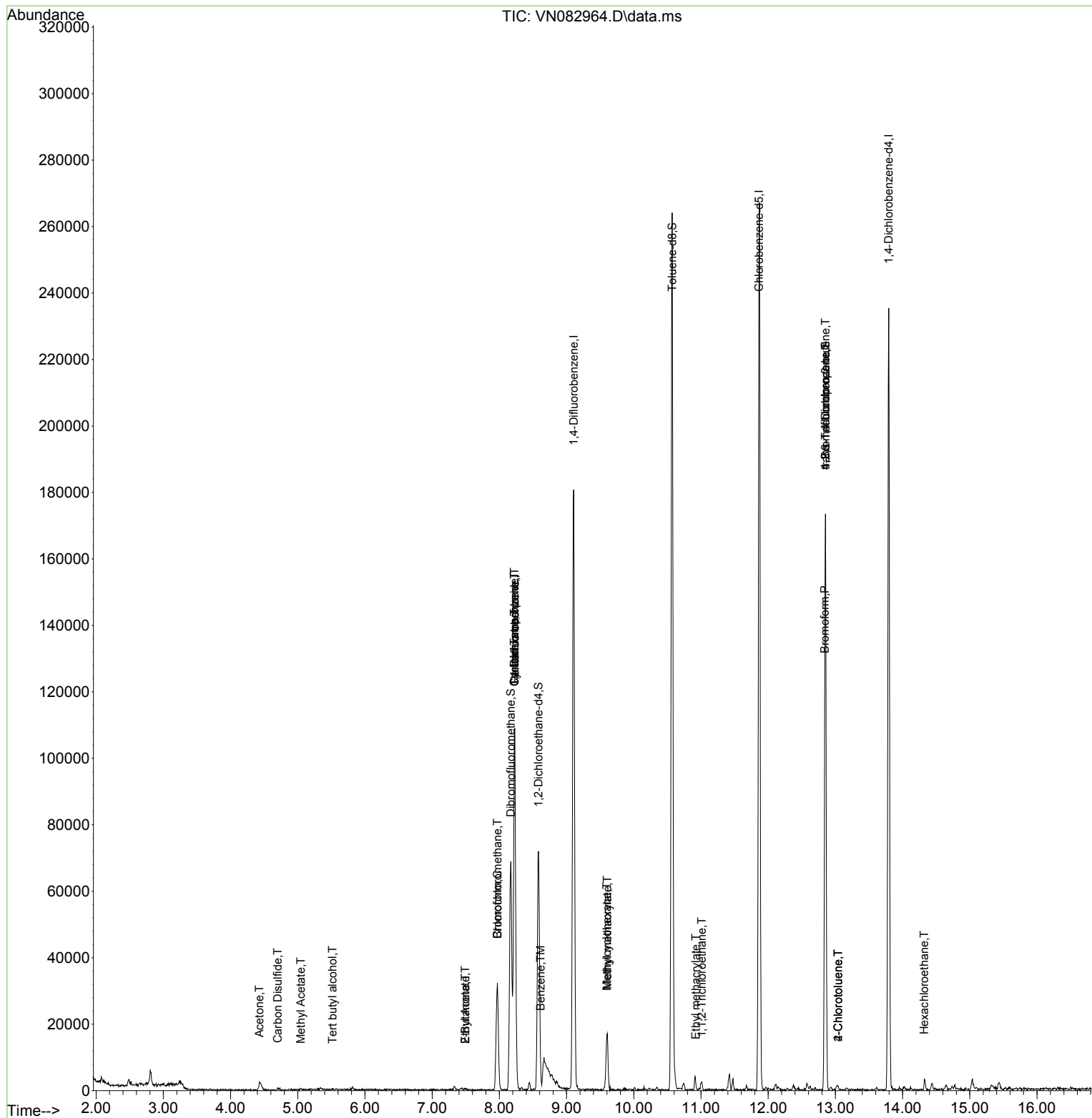
Target Compounds						Qvalue
11) Tert butyl alcohol	5.518	59	134	0.765	ug/l #	71
16) Acetone	4.430	43	5015	13.680	ug/l	96
17) Carbon Disulfide	4.700	76	1101	0.486	ug/l #	75
18) Methyl Acetate	5.047	43	274	0.282	ug/l #	56
25) 2-Butanone	7.494	43	569	1.028	ug/l #	53
28) Bromochloromethane	7.971	49	2608	4.052	ug/l #	21
30) Chloroform	7.971	83	30106	18.914	ug/l	98
31) Cyclohexane	8.224	56	3324	2.442	ug/l #	59
36) 1,1-Dichloropropene	8.224	75	7206	5.406	ug/l #	48
37) Ethyl Acetate	7.494	43	569	0.419	ug/l #	72
38) Carbon Tetrachloride	8.224	117	8396	5.231	ug/l #	17
39) Methylcyclohexane	9.600	83	6319	4.389	ug/l	89
40) Benzene	8.612	78	1287	0.314	ug/l	99
43) Isopropyl Acetate	8.665	43	4852	Below Cal	#	60
48) Methyl methacrylate	9.606	41	3658	3.438	ug/l #	79
55) 1,1,2-Trichloroethane	11.012	97	1076	1.142	ug/l #	14
56) Ethyl methacrylate	10.923	69	338	0.231	ug/l #	1
71) Bromoform	12.841	173	718	0.802	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	30249	28.116	ug/l #	1
79) 2-Chlorotoluene	13.041	91	919	0.277	ug/l #	42
81) trans-1,4-Dichloro-2-b...	12.853	75	30249	55.297	ug/l #	6
82) 4-Chlorotoluene	13.041	91	919	0.280	ug/l #	42
90) Hexachloroethane	14.323	117	192	0.248	ug/l #	14

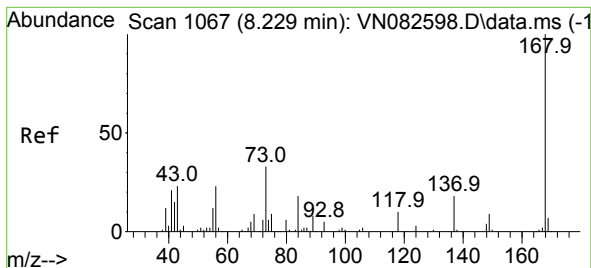
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 18 05:25:47 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

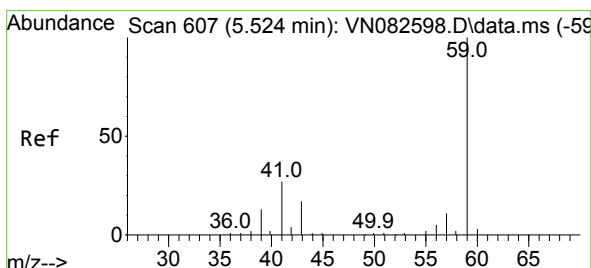
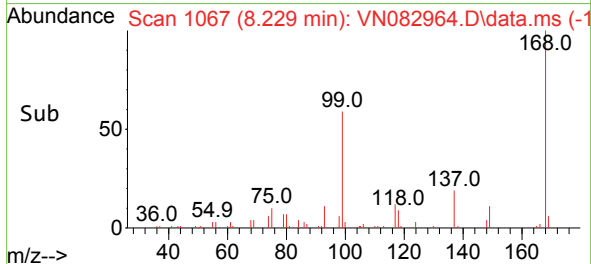
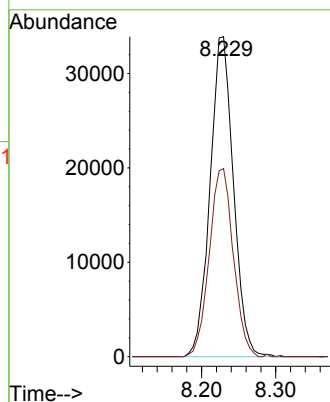
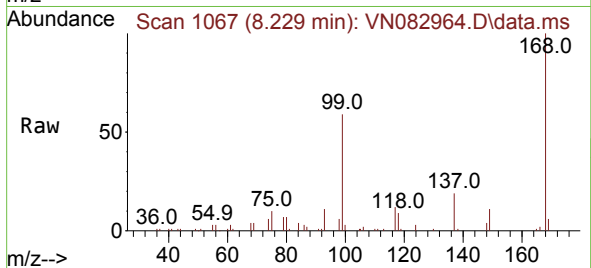




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

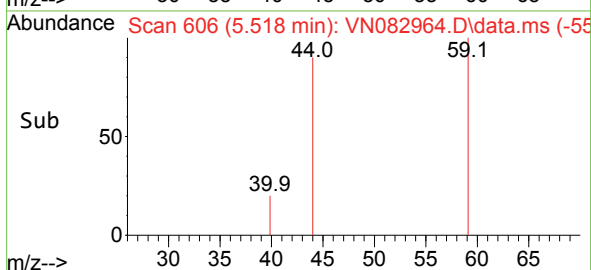
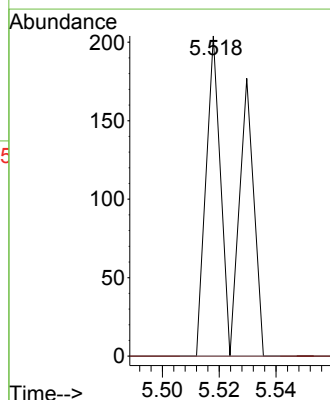
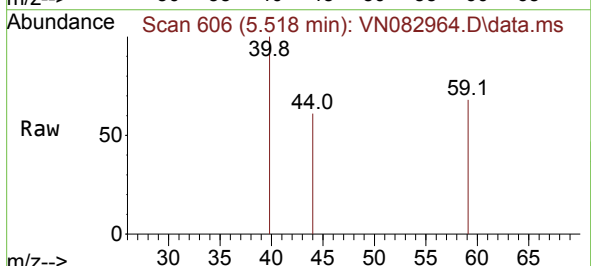
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 74281
Ion Ratio Lower Upper
168 100
99 58.8 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.765 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

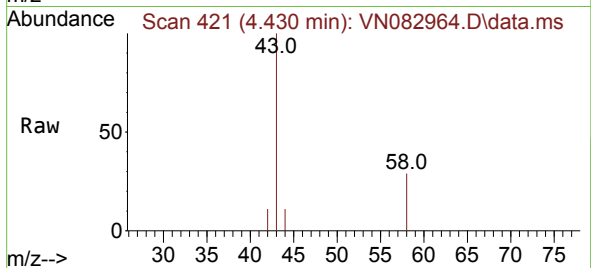
Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



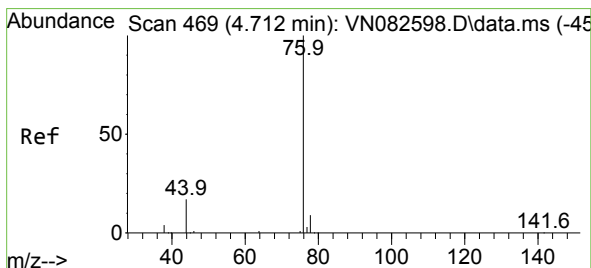
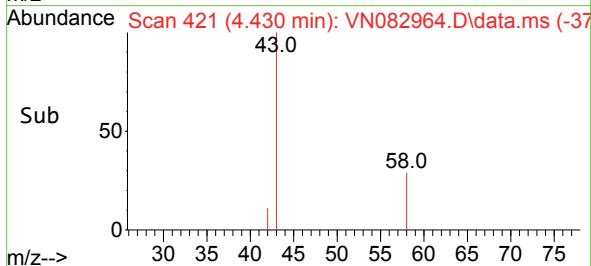
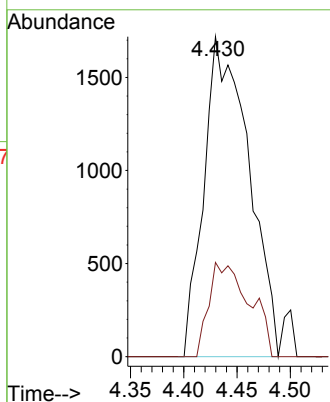


#16
Acetone
Concen: 13.680 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

Instrument :
MSVOA_N
ClientSampleId :

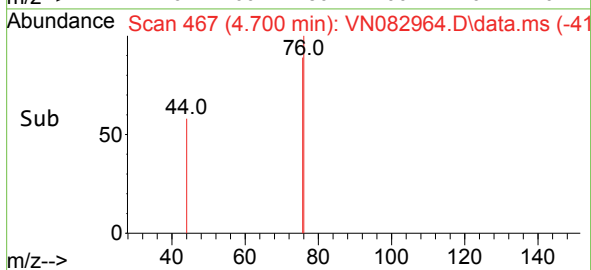
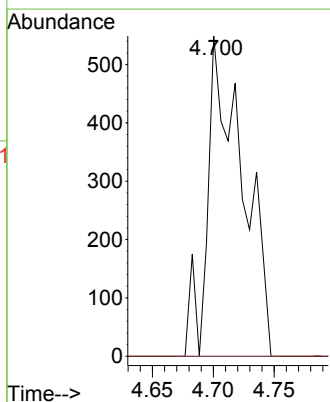
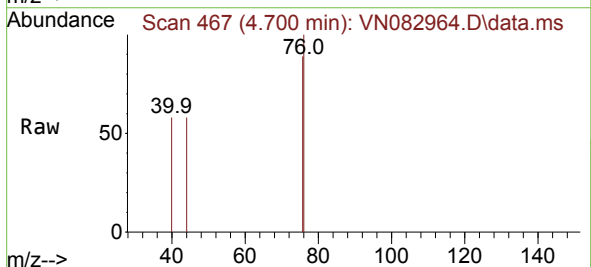


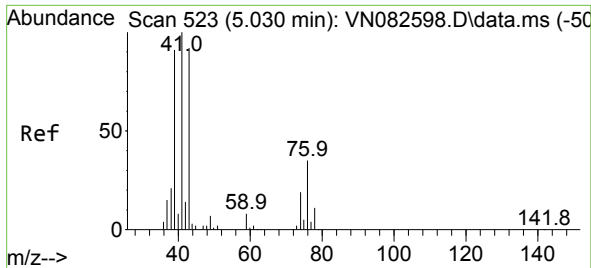
Tgt Ion: 43 Resp: 5015
Ion Ratio Lower Upper
43 100
58 29.4 21.8 32.6



#17
Carbon Disulfide
Concen: 0.486 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.012 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

Tgt Ion: 76 Resp: 1101
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

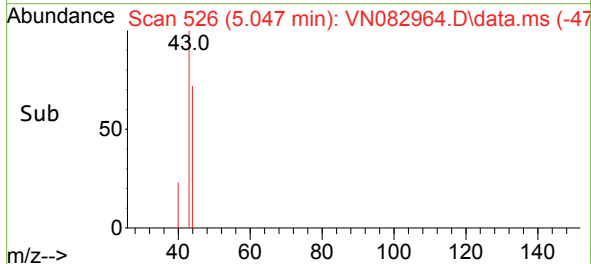
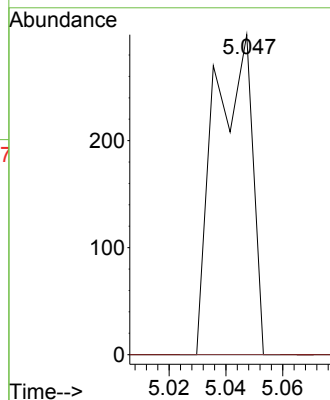
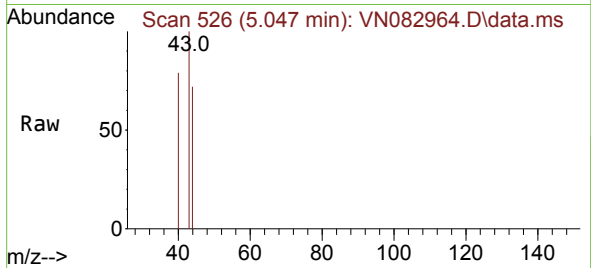




#18
Methyl Acetate
Concen: 0.282 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

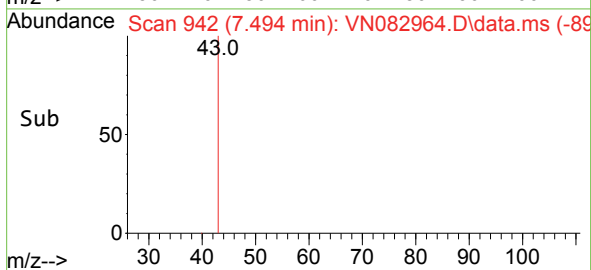
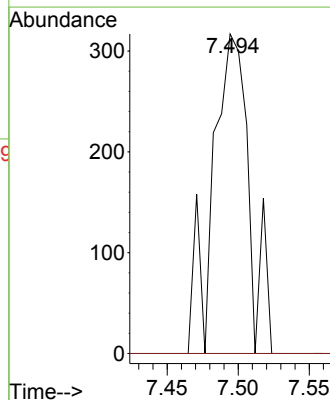
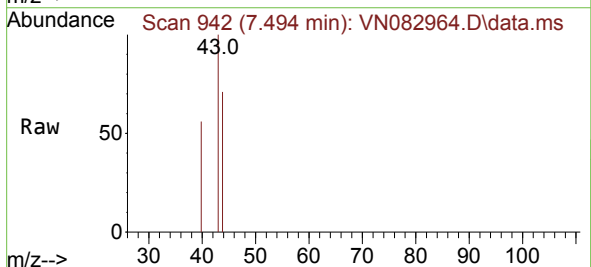
Instrument :
MSVOA_N
ClientSampleId :

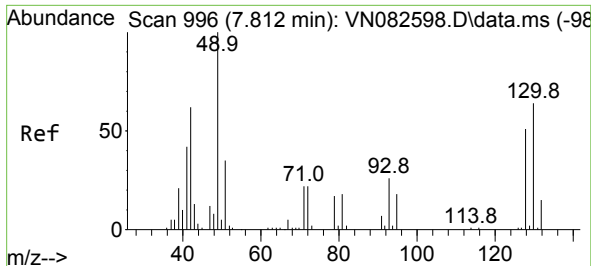
Tgt Ion: 43 Resp: 274
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#25
2-Butanone
Concen: 1.028 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

Tgt Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#

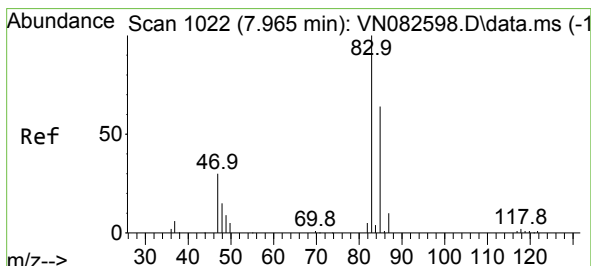
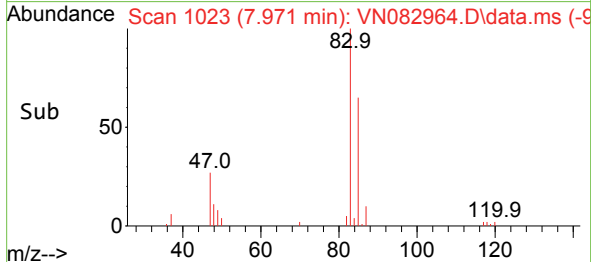
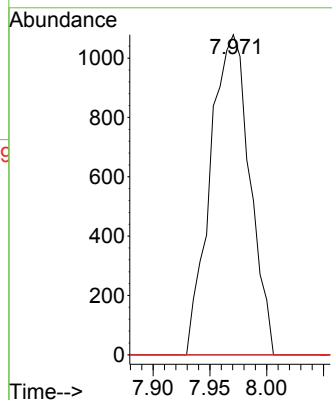
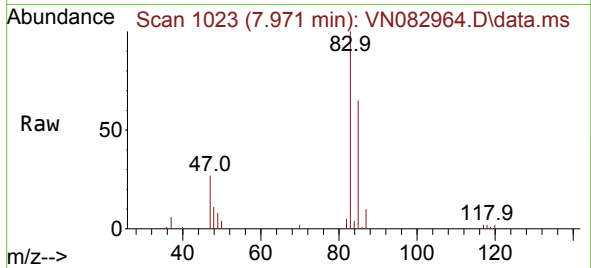




#28
Bromochloromethane
Concen: 4.052 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.159 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

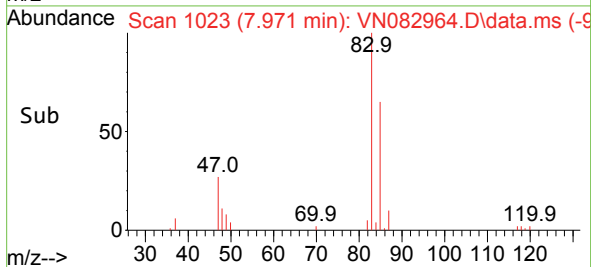
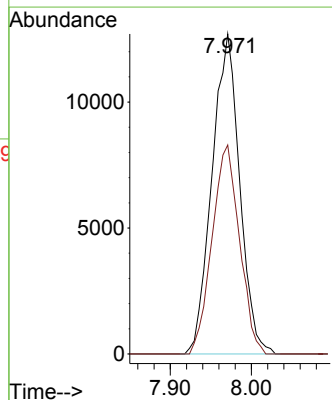
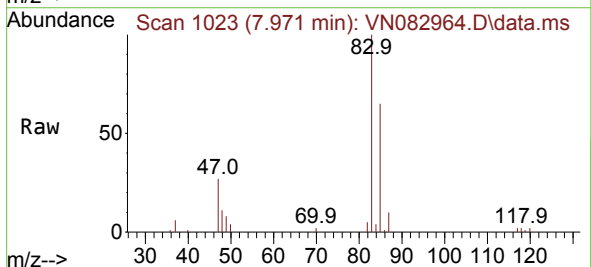
Instrument :
MSVOA_N
ClientSampleId :

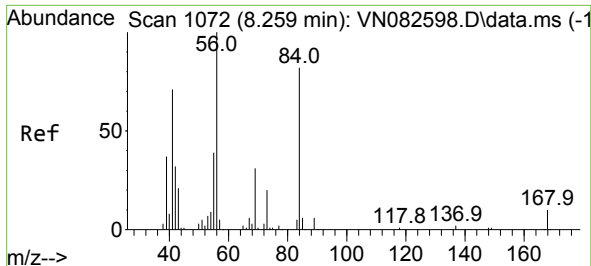
Tgt Ion: 49 Resp: 2608
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 50.5 75.7#



#30
Chloroform
Concen: 18.914 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

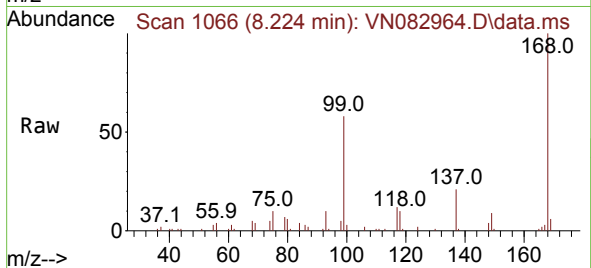
Tgt Ion: 83 Resp: 30106
Ion Ratio Lower Upper
83 100
85 65.3 50.9 76.3



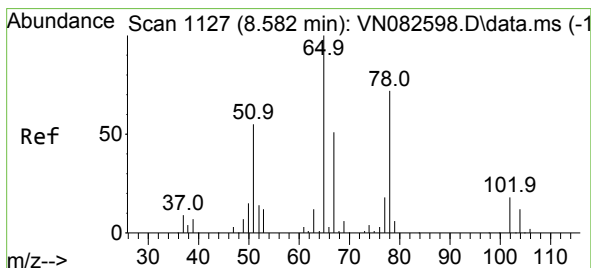
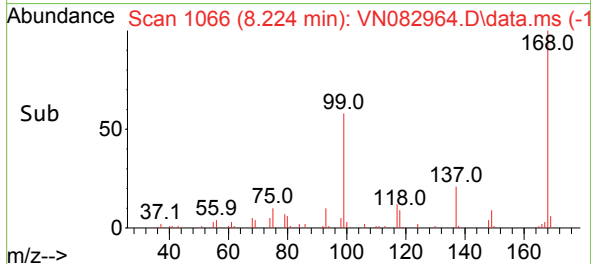
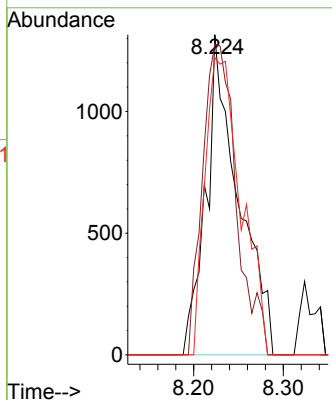


#31
Cyclohexane
Concen: 2.442 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

Instrument :
MSVOA_N
ClientSampleId :

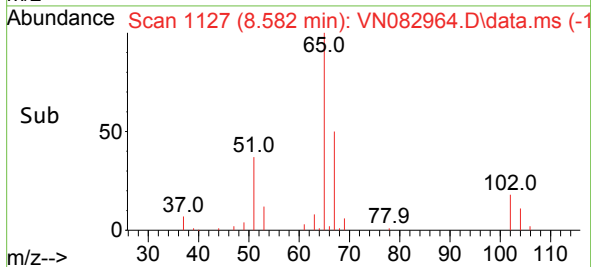
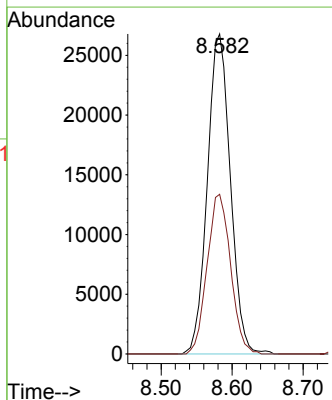
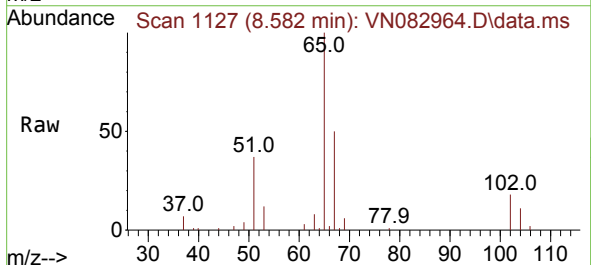


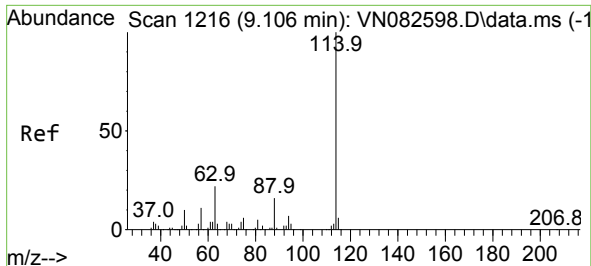
Tgt Ion: 56 Resp: 3324
Ion Ratio Lower Upper
56 100
69 97.0 24.5 36.7#
84 92.8 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 57.977 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

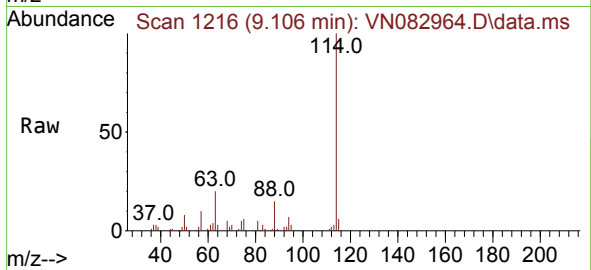
Tgt Ion: 65 Resp: 60370
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.4



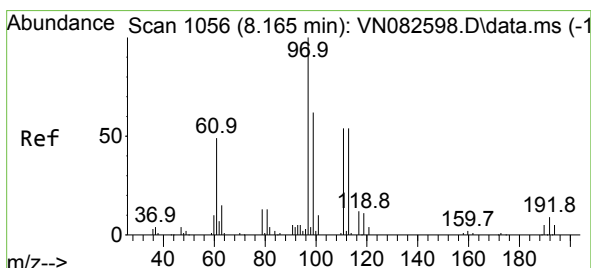
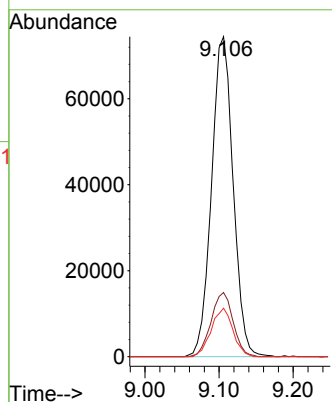
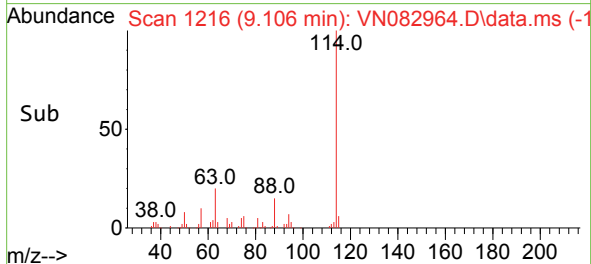


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

Instrument :
MSVOA_N
ClientSampleId :

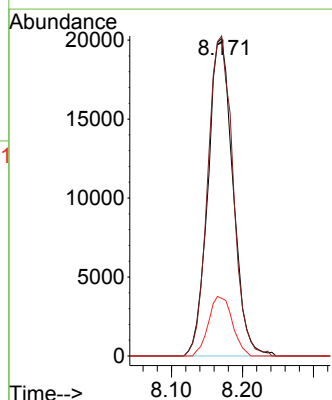
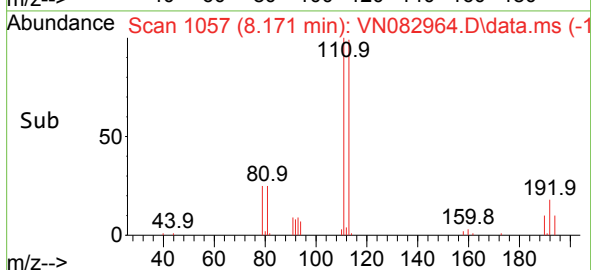
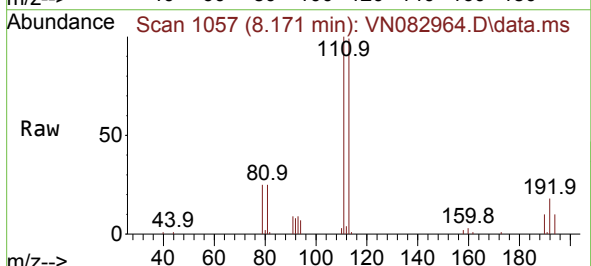


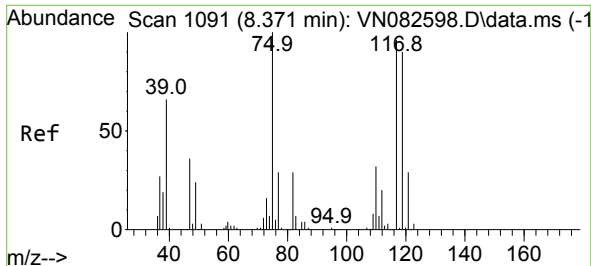
Tgt Ion:114 Resp: 150665
Ion Ratio Lower Upper
114 100
63 20.0 0.0 44.6
88 15.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.823 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

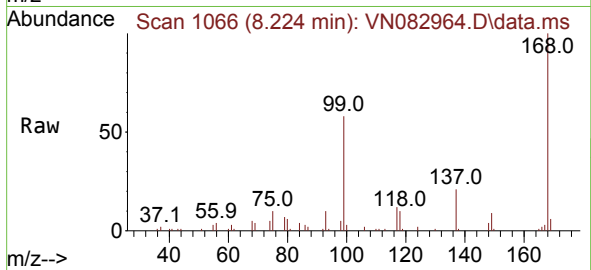
Tgt Ion:113 Resp: 49135
Ion Ratio Lower Upper
113 100
111 101.5 82.4 123.6
192 17.9 14.9 22.3



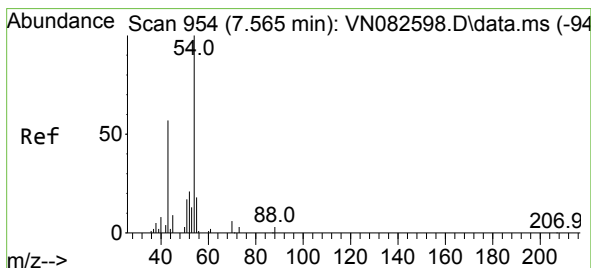
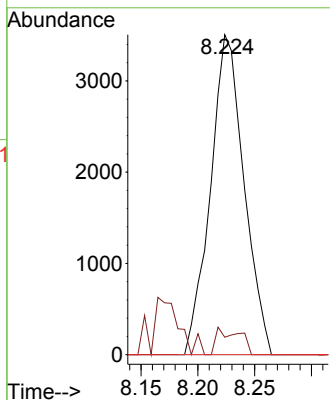
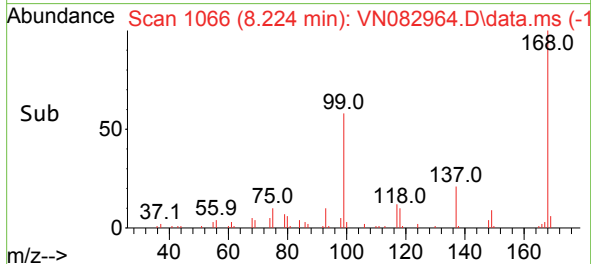


#36
1,1-Dichloropropene
Concen: 5.406 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

Instrument :
MSVOA_N
ClientSampleId :

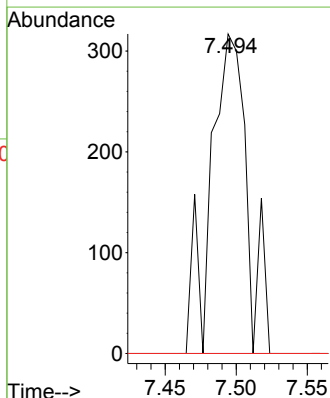
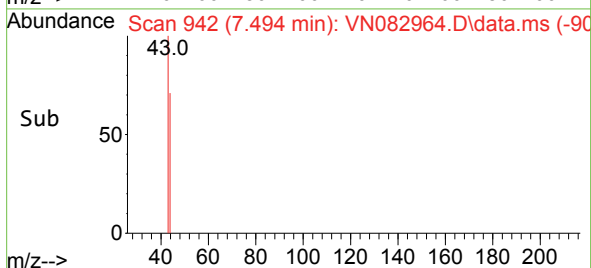
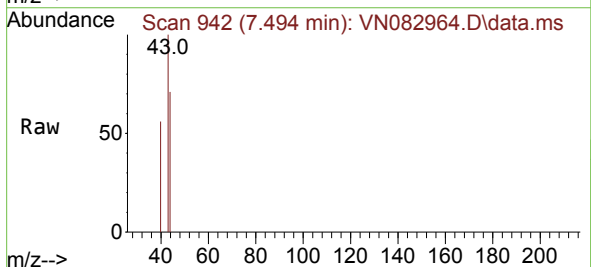


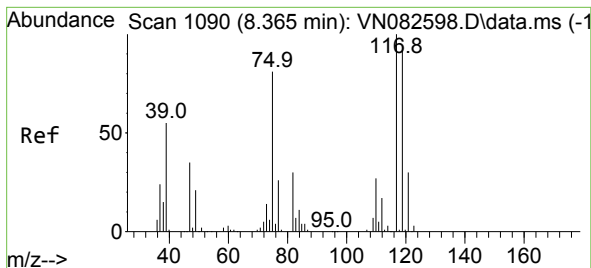
Tgt Ion: 75 Resp: 7206
Ion Ratio Lower Upper
75 100
110 5.8 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.419 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.071 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

Tgt Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
61 0.0 9.3 13.9#
70 0.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.231 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

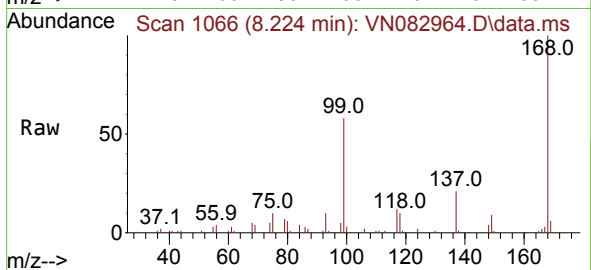
Lab File: VN082964.D

Acq: 17 Jul 2024 15:35

Instrument :

MSVOA_N

ClientSampleId :



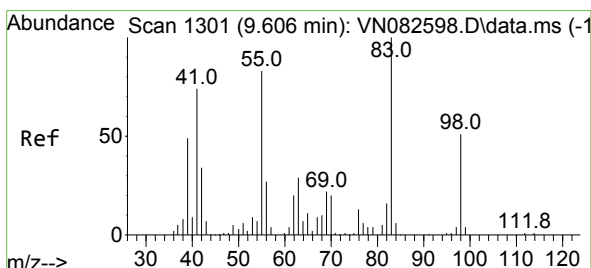
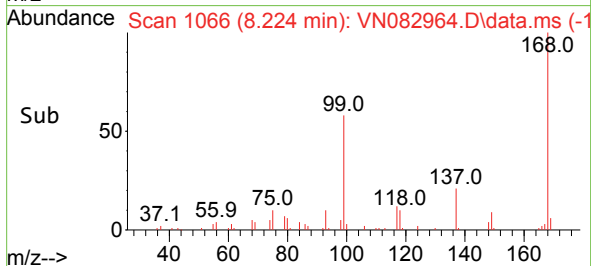
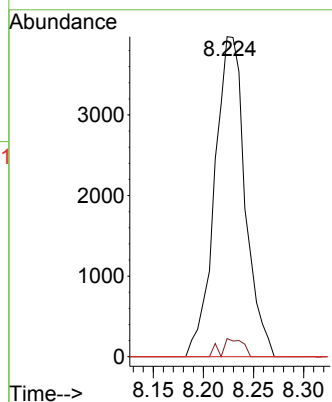
Tgt Ion:117 Resp: 8396

Ion Ratio Lower Upper

117 100

119 5.7 74.9 112.3#

121 0.0 24.3 36.5#



#39

Methylcyclohexane

Concen: 4.389 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.006 min

Lab File: VN082964.D

Acq: 17 Jul 2024 15:35

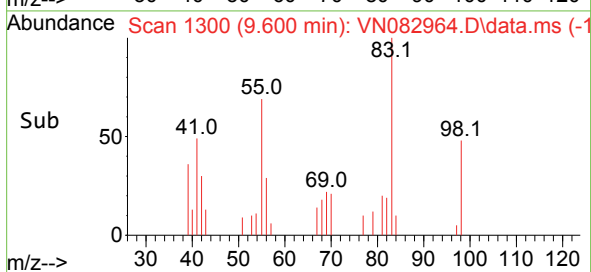
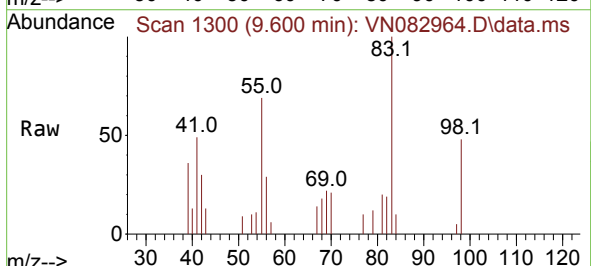
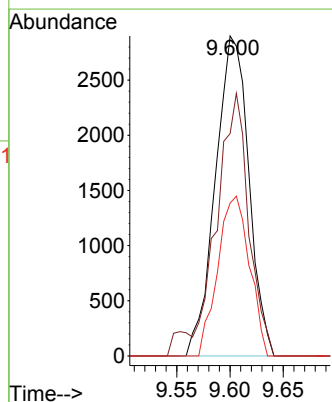
Tgt Ion: 83 Resp: 6319

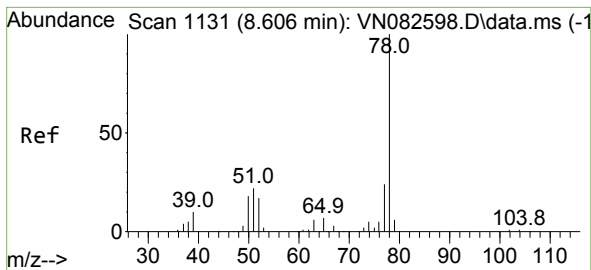
Ion Ratio Lower Upper

83 100

55 69.5 66.4 99.6

98 47.8 40.7 61.1





#40

Benzene

Concen: 0.314 ug/l

RT: 8.612 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN082964.D

Acq: 17 Jul 2024 15:35

Instrument :

MSVOA_N

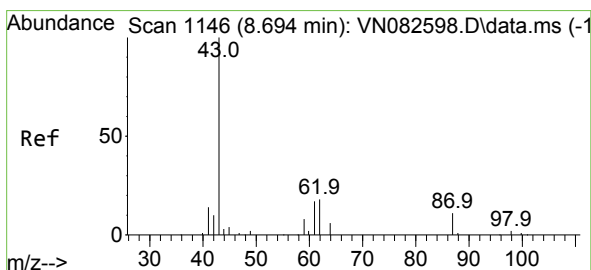
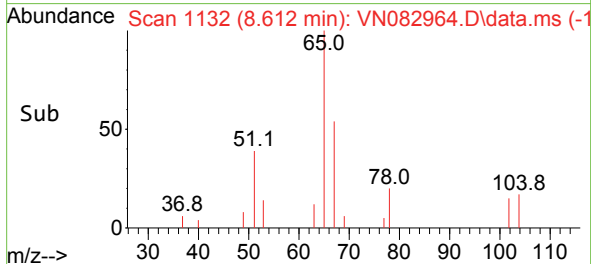
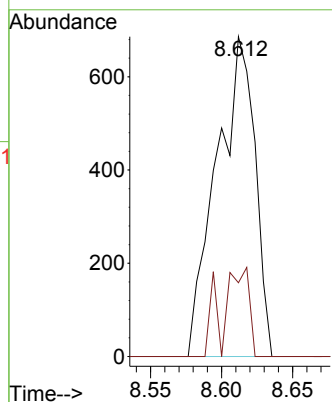
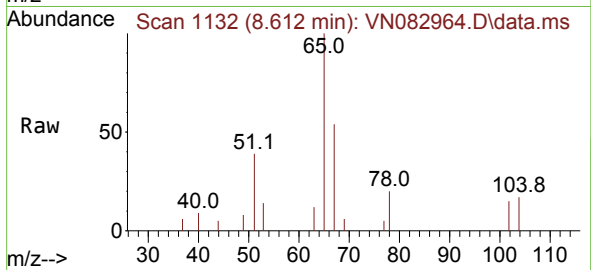
ClientSampleId :

Tgt Ion: 78 Resp: 1287

Ion Ratio Lower Upper

78 100

77 23.0 19.0 28.4



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.665 min Scan# 1141

Delta R.T. -0.029 min

Lab File: VN082964.D

Acq: 17 Jul 2024 15:35

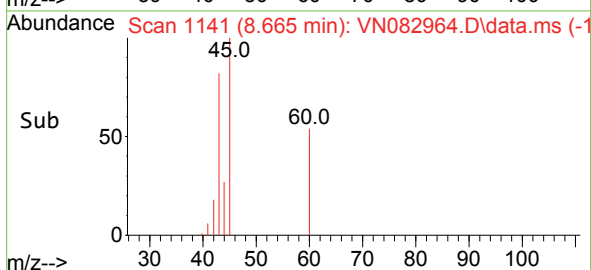
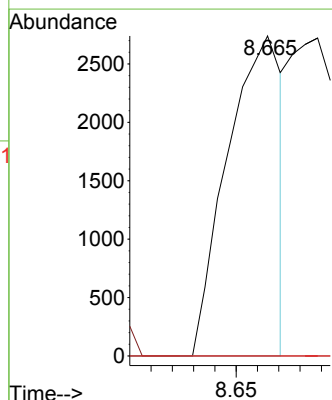
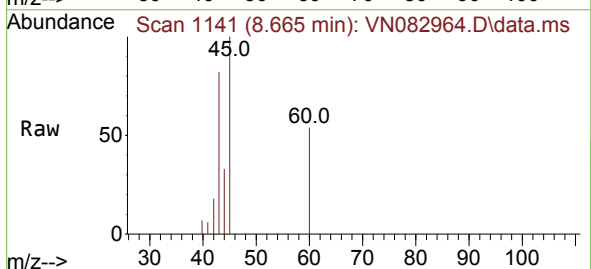
Tgt Ion: 43 Resp: 4852

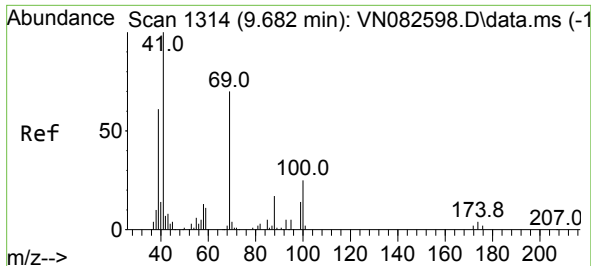
Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#

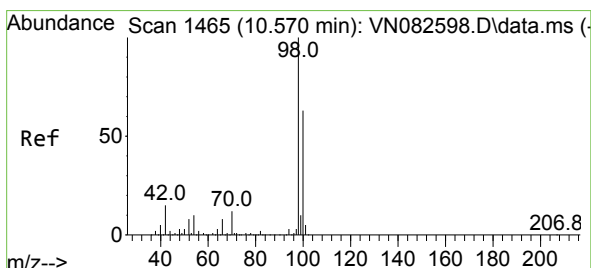
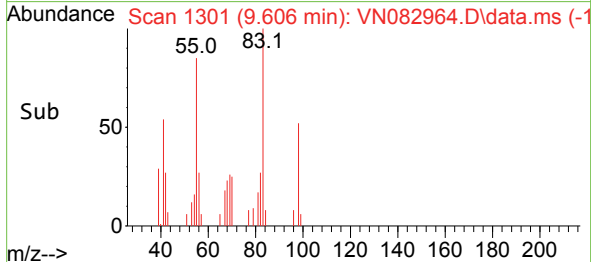
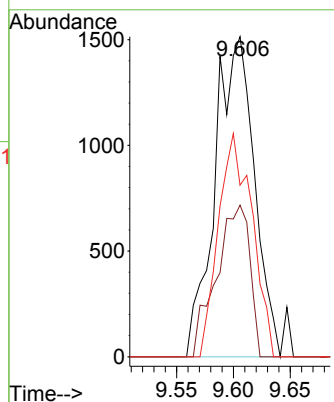
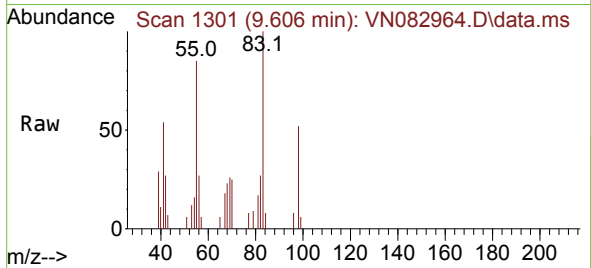




#48
Methyl methacrylate
Concen: 3.438 ug/l
RT: 9.606 min Scan# 11
Delta R.T. -0.076 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

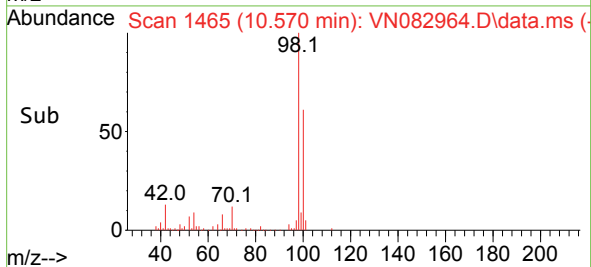
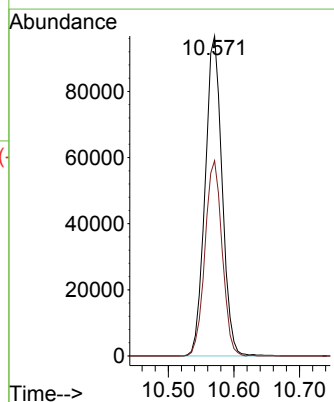
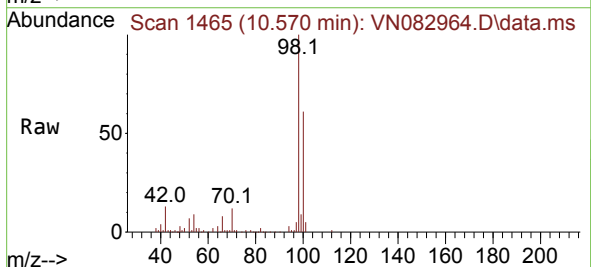
Instrument :
MSVOA_N
ClientSampleId :

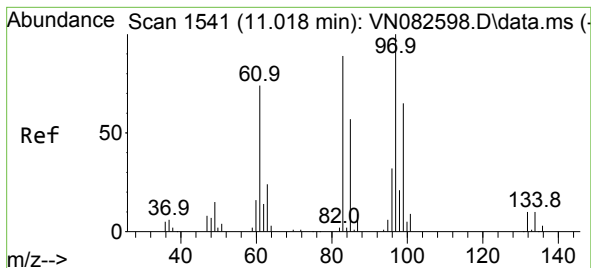
Tgt Ion: 41 Resp: 3658
Ion Ratio Lower Upper
41 100
69 40.2 56.3 84.5#
39 59.5 50.3 75.5



#50
Toluene-d8
Concen: 48.785 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

Tgt Ion: 98 Resp: 174199
Ion Ratio Lower Upper
98 100
100 61.8 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 1.142 ug/l

RT: 11.012 min Scan# 1

Delta R.T. -0.006 min

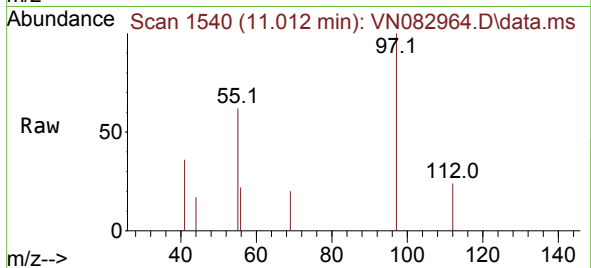
Lab File: VN082964.D

Acq: 17 Jul 2024 15:35

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 1076

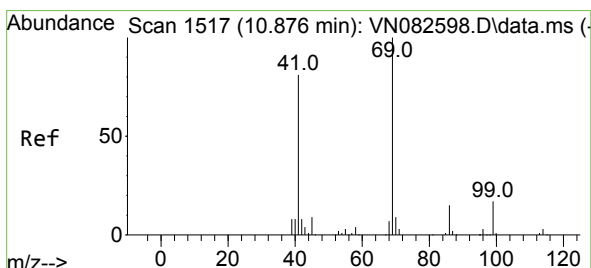
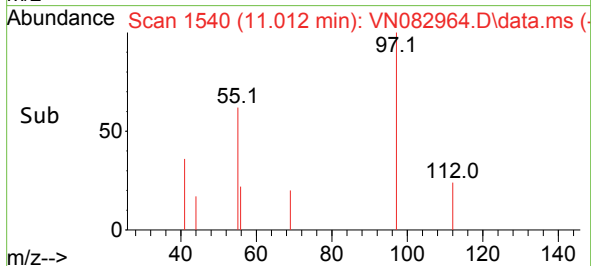
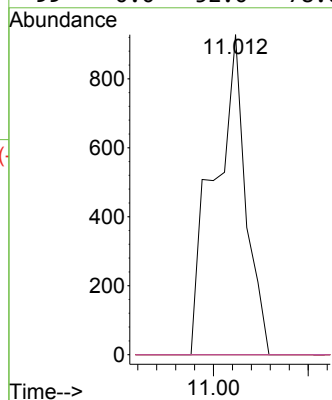
Ion Ratio Lower Upper

97 100

83 0.0 71.4 107.0#

85 0.0 45.8 68.6#

99 0.0 52.0 78.0#



#56

Ethyl methacrylate

Concen: 0.231 ug/l

RT: 10.923 min Scan# 1525

Delta R.T. 0.047 min

Lab File: VN082964.D

Acq: 17 Jul 2024 15:35

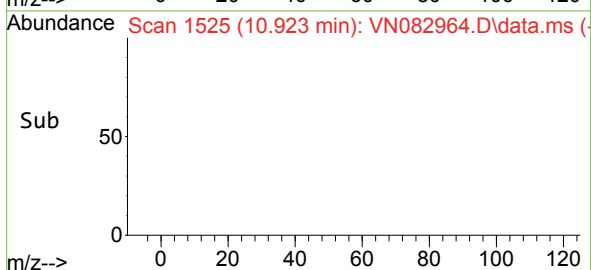
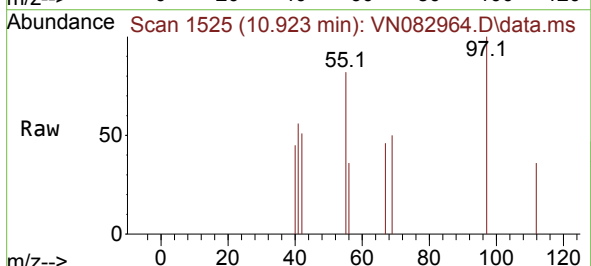
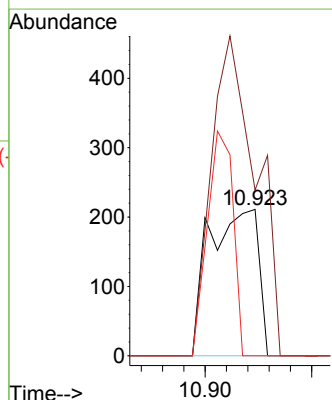
Tgt Ion: 69 Resp: 338

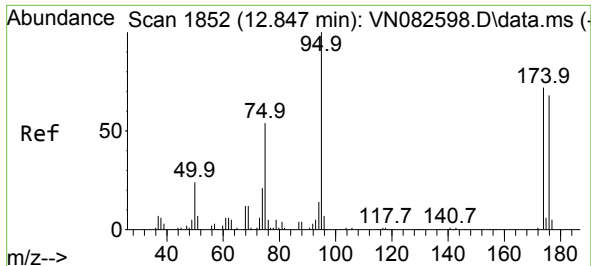
Ion Ratio Lower Upper

69 100

41 197.9 63.4 95.2#

39 80.5 37.4 56.0#

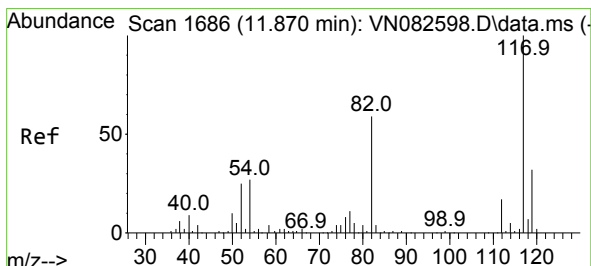
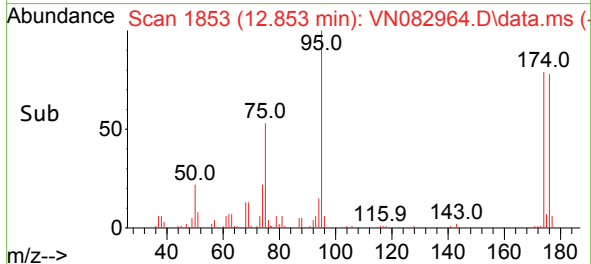
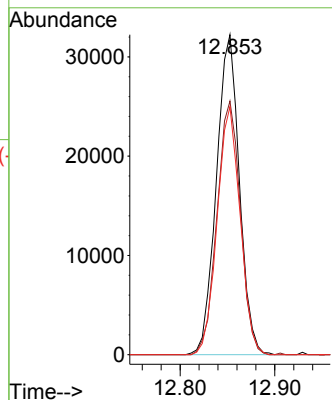
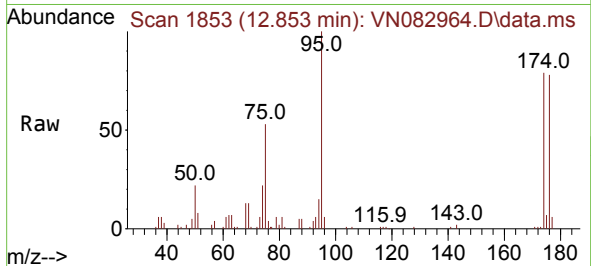




#62
4-Bromofluorobenzene
Concen: 42.419 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

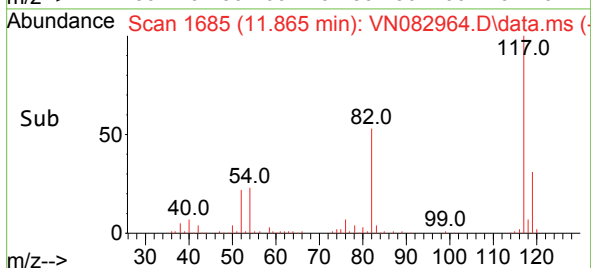
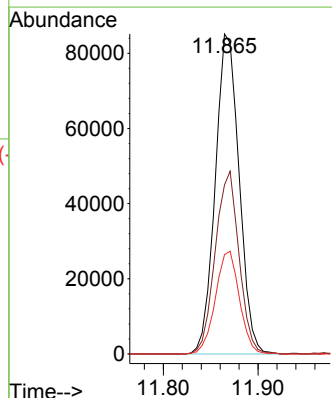
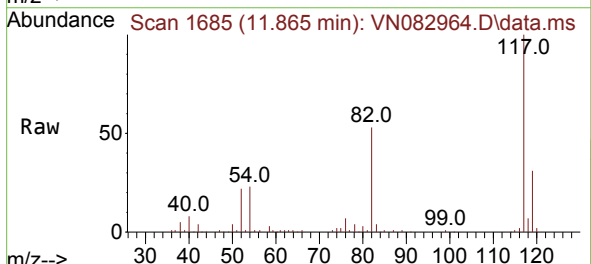
Instrument :
MSVOA_N
ClientSampleId :

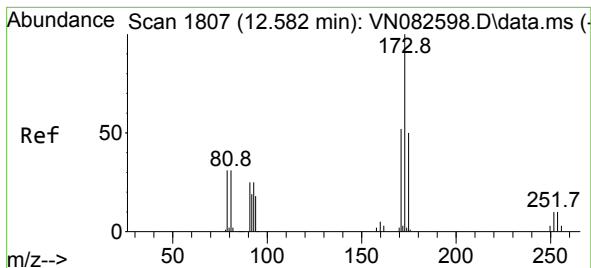
Tgt Ion: 95 Resp: 54409
Ion Ratio Lower Upper
95 100
174 80.5 0.0 159.2
176 77.2 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

Tgt Ion: 117 Resp: 149279
Ion Ratio Lower Upper
117 100
82 52.9 47.5 71.3
119 31.1 25.6 38.4





#71

Bromoform

Concen: 0.802 ug/l

RT: 12.841 min Scan# 1807

Delta R.T. 0.259 min

Lab File: VN082964.D

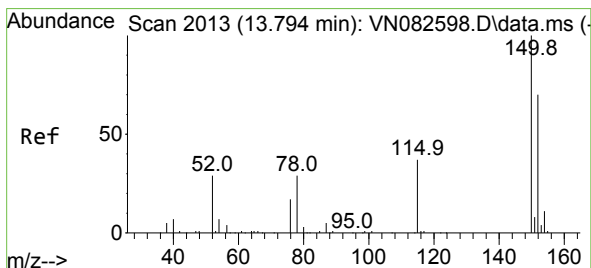
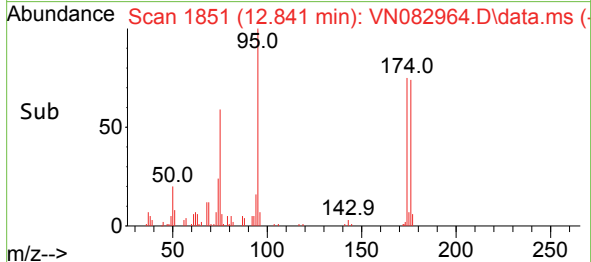
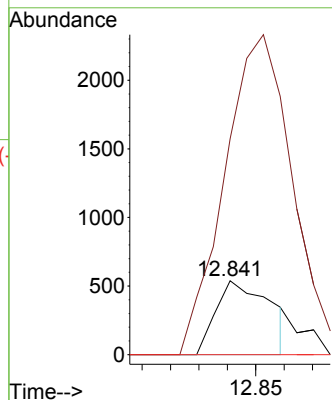
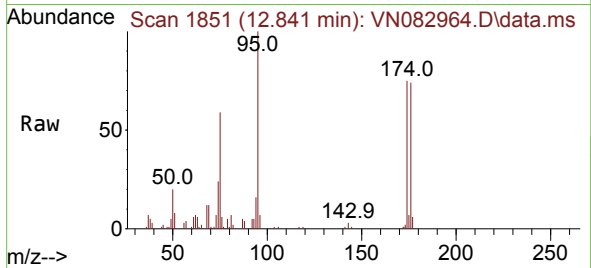
Acq: 17 Jul 2024 15:35

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	173	Resp:	718
Ion Ratio	Lower	Upper	
173	100		
175	449.9	24.0	72.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

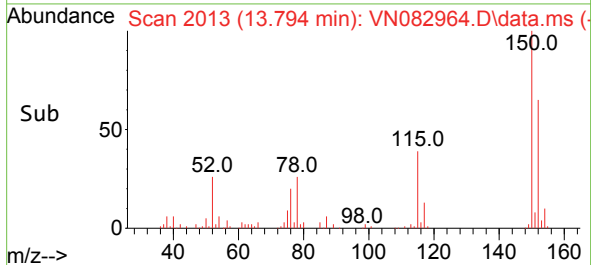
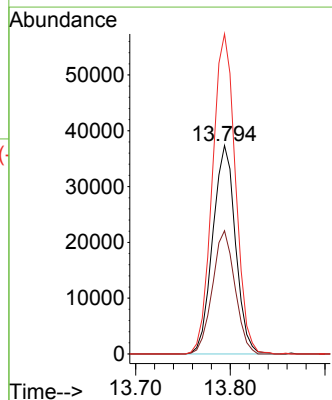
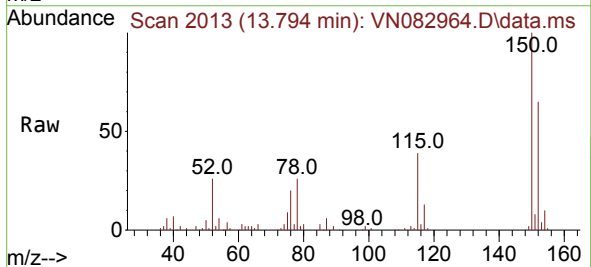
RT: 13.794 min Scan# 2013

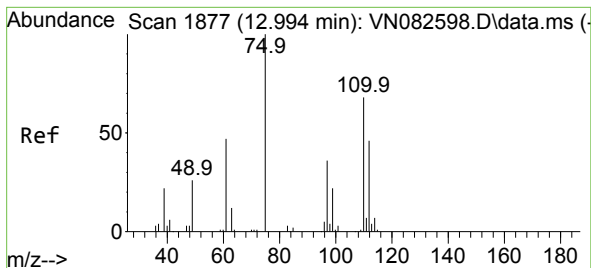
Delta R.T. -0.000 min

Lab File: VN082964.D

Acq: 17 Jul 2024 15:35

Tgt Ion:	152	Resp:	62402
Ion Ratio	Lower	Upper	
152	100		
115	58.6	30.6	91.6
150	155.3	0.0	348.6





#76

1,2,3-Trichloropropane

Concen: 28.116 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082964.D

Acq: 17 Jul 2024 15:35

Instrument :

MSVOA_N

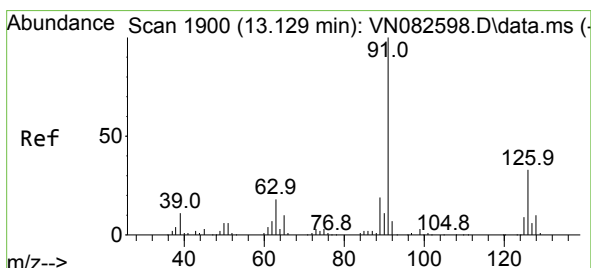
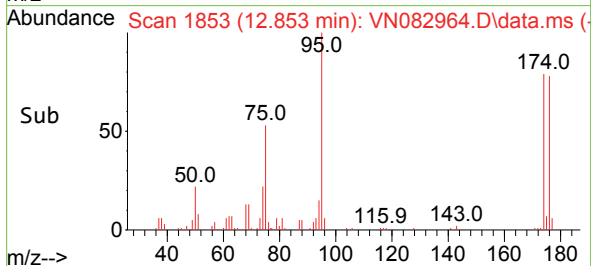
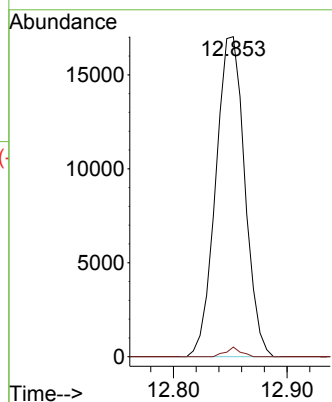
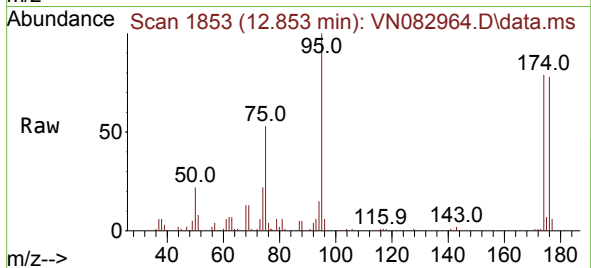
ClientSampleId :

Tgt Ion: 75 Resp: 30249

Ion Ratio Lower Upper

75 100

77 1.5 110.9 332.6#



#79

2-Chlorotoluene

Concen: 0.277 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.088 min

Lab File: VN082964.D

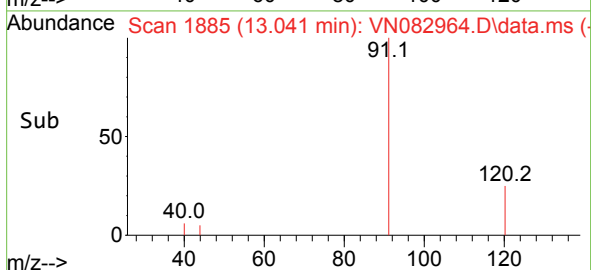
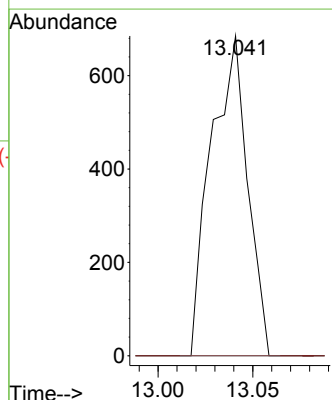
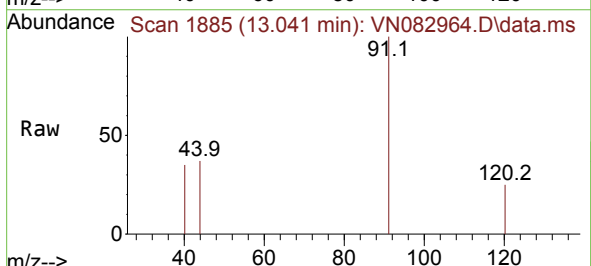
Acq: 17 Jul 2024 15:35

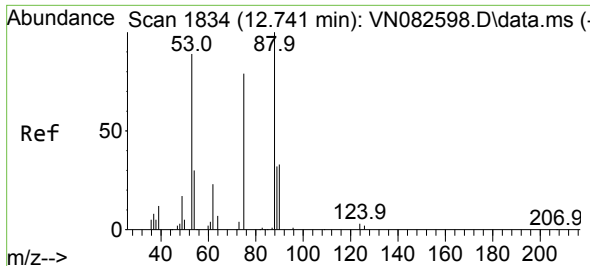
Tgt Ion: 91 Resp: 919

Ion Ratio Lower Upper

91 100

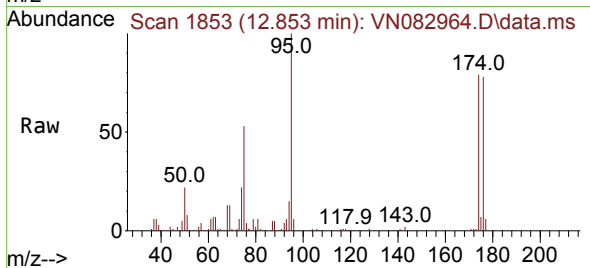
126 0.0 16.2 48.6#



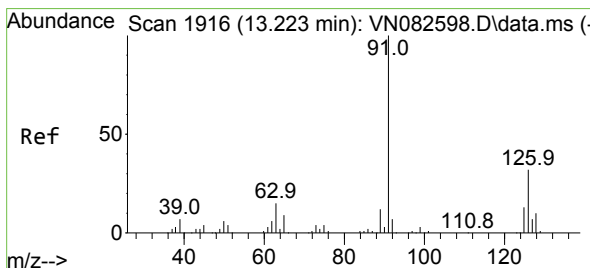
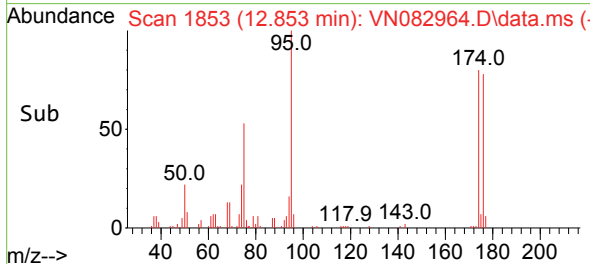
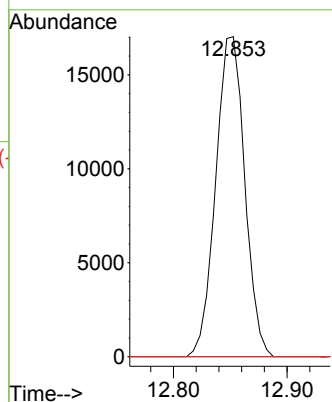


#81
trans-1,4-Dichloro-2-butene
Concen: 55.297 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

Instrument :
MSVOA_N
ClientSampleId :

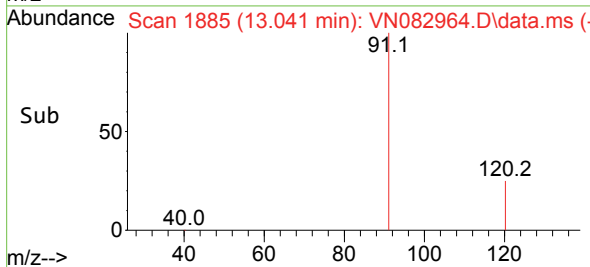
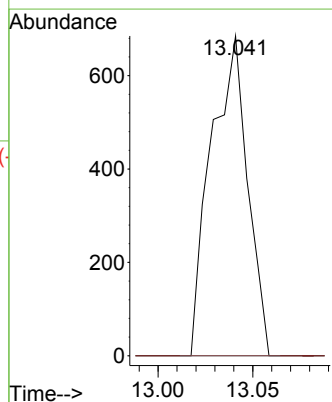
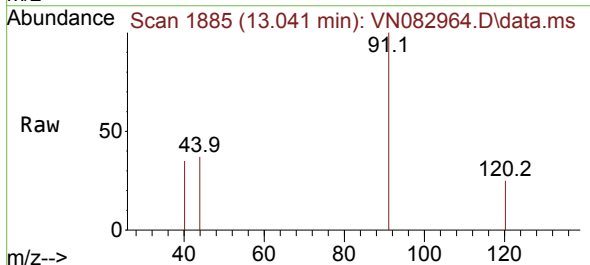


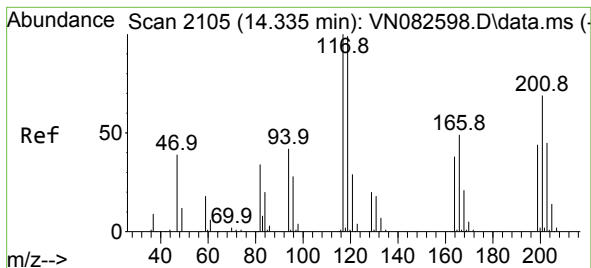
Tgt Ion: 75 Resp: 30249
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



#82
4-Chlorotoluene
Concen: 0.280 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.182 min
Lab File: VN082964.D
Acq: 17 Jul 2024 15:35

Tgt Ion: 91 Resp: 919
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#





#90

Hexachloroethane

Concen: 0.248 ug/l

RT: 14.323 min Scan# 21

Delta R.T. -0.012 min

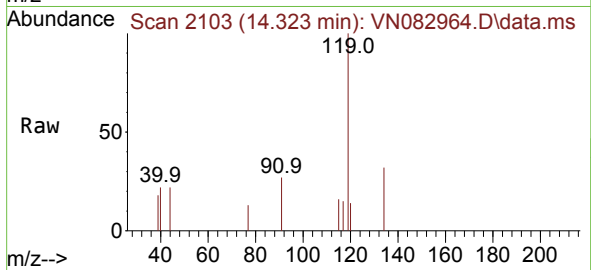
Lab File: VN082964.D

Acq: 17 Jul 2024 15:35

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:117 Resp: 192

Ion Ratio Lower Upper

117 100

201 0.0 35.8 107.3#

