

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081141.D
 Acq On : 22 Feb 2024 17:35
 Operator : JC\MD
 Sample : P1539-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 23 04:29:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

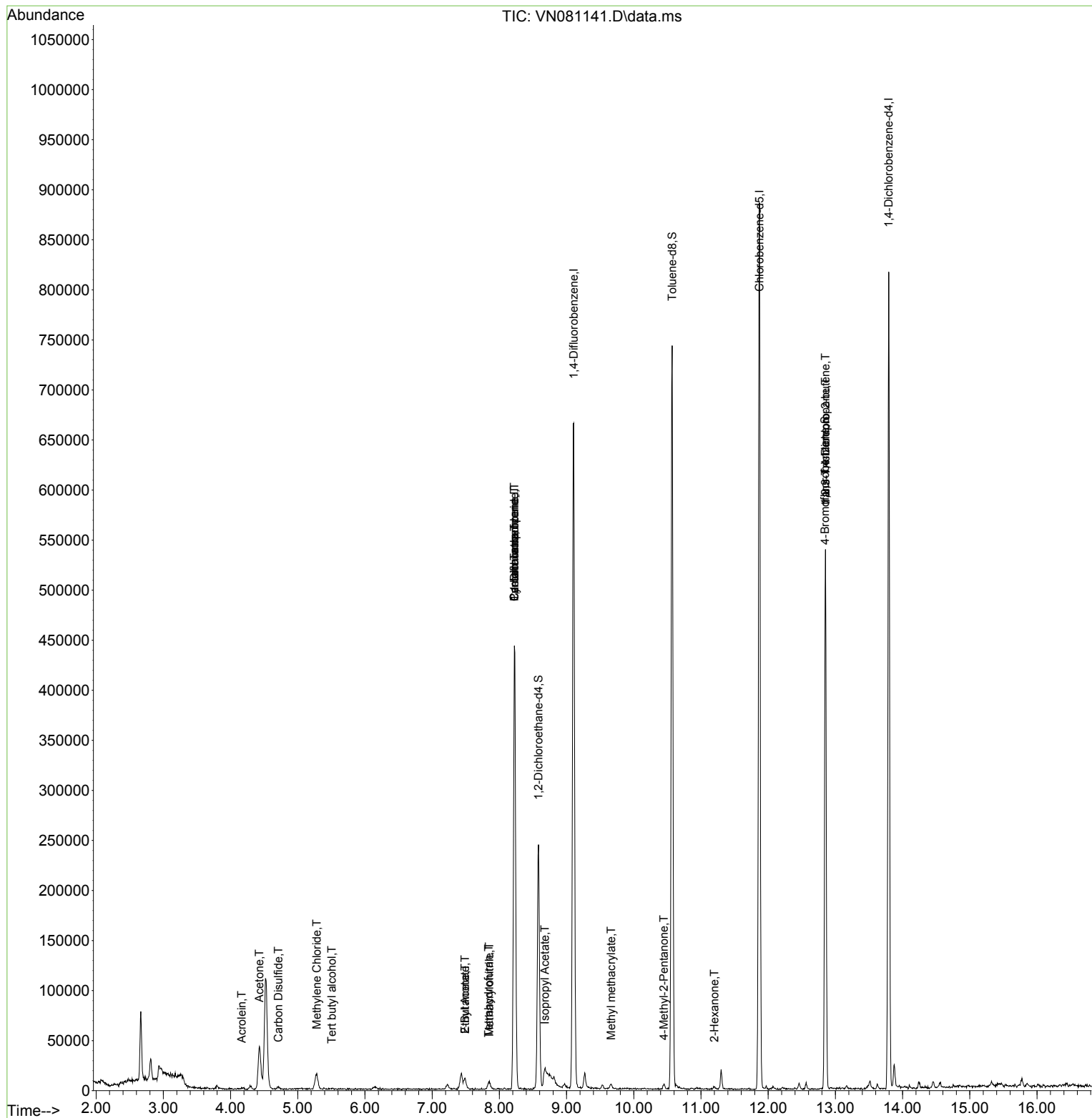
Internal Standards						
1) Pentafluorobenzene	8.224	168	308604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	596150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	513068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	207607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	191071	50.513	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.020%			
35) Dibromofluoromethane	8.177	113	73	0.022	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 0.040%#			
50) Toluene-d8	10.571	98	508820	42.497	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 85.000%#			
62) 4-Bromofluorobenzene	12.847	95	188947	41.998	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 84.000%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	1294	Below Cal	#	57
6) Chloroethane	3.100	64	82	Below Cal	#	42
11) Tert butyl alcohol	5.506	59	715	1.028	ug/l #	72
13) Acrolein	4.165	56	623	1.671	ug/l	93
16) Acetone	4.430	43	80179	53.870	ug/l	95
17) Carbon Disulfide	4.712	76	4206	0.432	ug/l #	78
20) Methylene Chloride	5.283	84	11951	2.215	ug/l #	84
25) 2-Butanone	7.488	43	18032	7.499	ug/l	90
29) Tetrahydrofuran	7.841	42	3219	2.005	ug/l #	80
31) Cyclohexane	8.224	56	8190	1.254	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	25900	4.485	ug/l #	52
37) Ethyl Acetate	7.488	43	18032	3.460	ug/l #	70
38) Carbon Tetrachloride	8.224	117	34071	5.831	ug/l #	20
41) Methacrylonitrile	7.853	41	3600	1.214	ug/l #	36
43) Isopropyl Acetate	8.677	43	22930	2.515	ug/l #	58
48) Methyl methacrylate	9.665	41	1666	0.393	ug/l #	46
49) 1,4-Dioxane	9.694	88	61	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.447	43	4115	0.785	ug/l	97
59) 2-Hexanone	11.200	43	1963	0.472	ug/l	86
76) 1,2,3-Trichloropropane	12.853	75	102031	21.631	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	102031	55.675	ug/l #	14

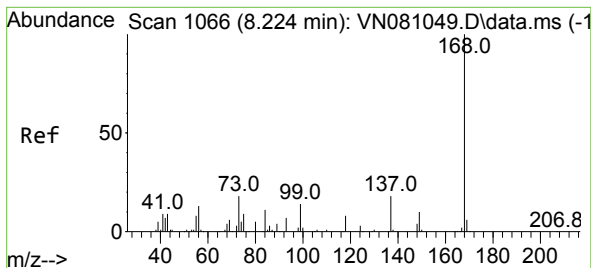
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081141.D

Acq: 22 Feb 2024 17:35

Instrument :

MSVOA_N

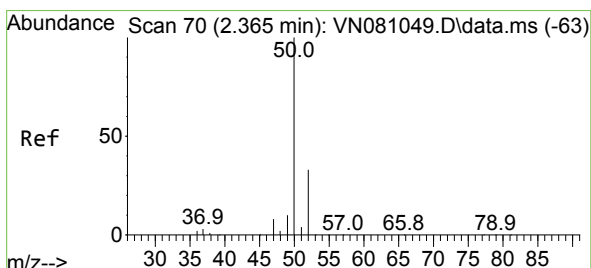
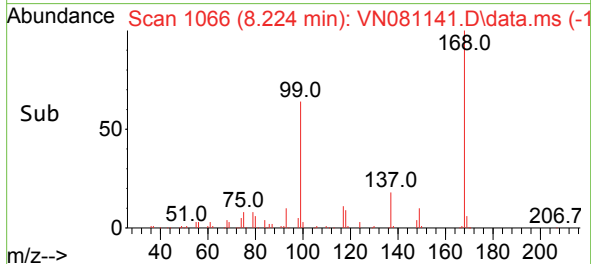
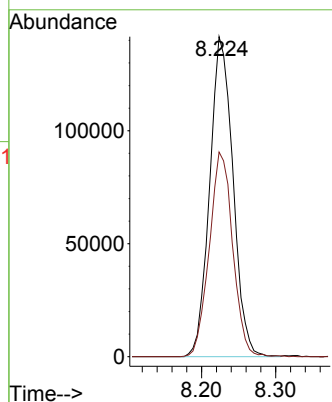
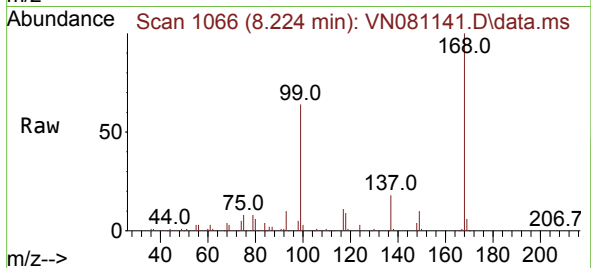
ClientSampleId :

Tgt Ion:168 Resp: 308604

Ion Ratio Lower Upper

168 100

99 64.0 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081141.D

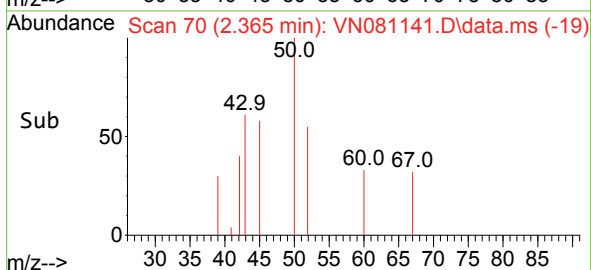
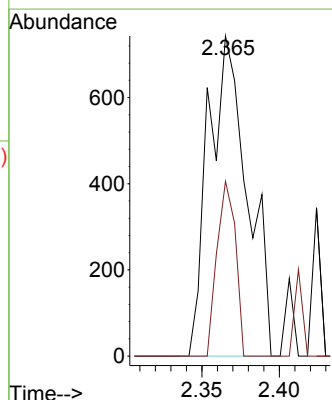
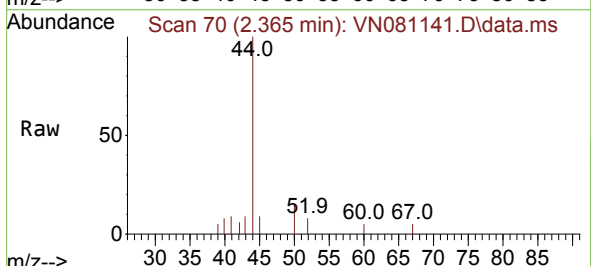
Acq: 22 Feb 2024 17:35

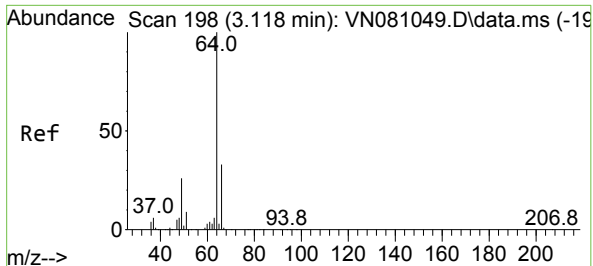
Tgt Ion: 50 Resp: 1294

Ion Ratio Lower Upper

50 100

52 54.6 25.0 37.4#

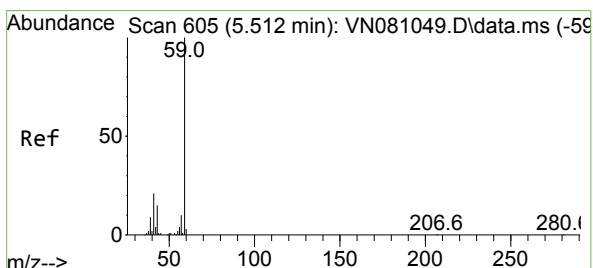
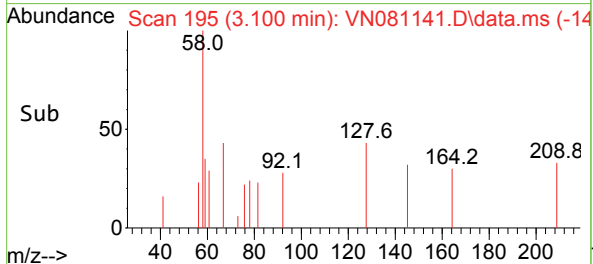
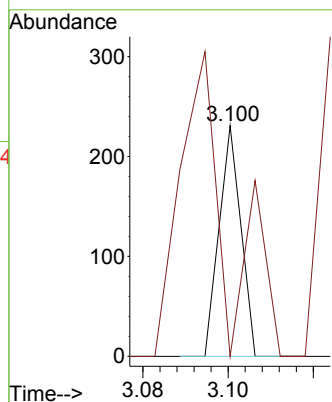
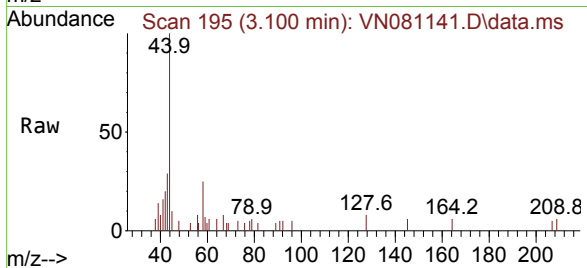




#6
Chloroethane
Concen: Below Cal
RT: 3.100 min Scan# 198
Delta R.T. -0.018 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

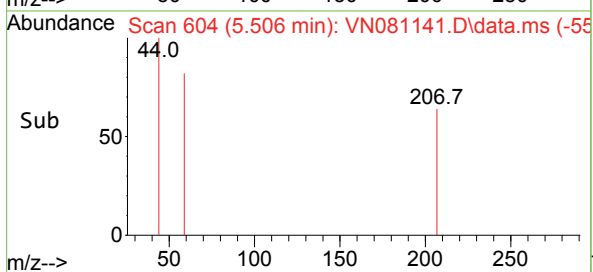
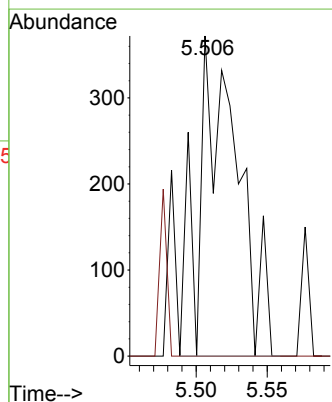
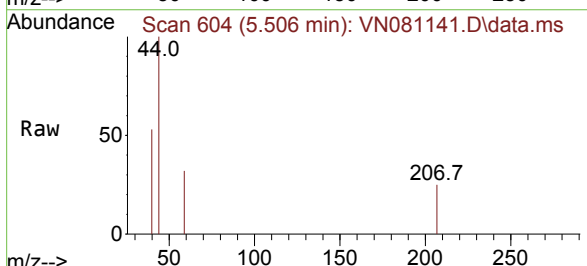
Instrument :
MSVOA_N
ClientSampleId :

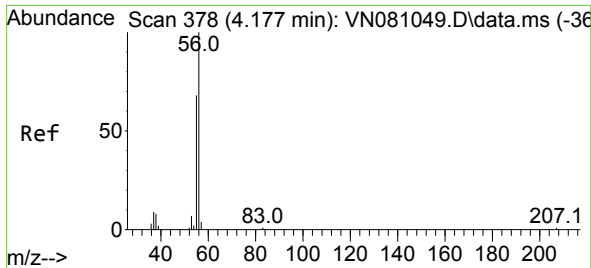
Tgt Ion: 64 Resp: 82
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.028 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

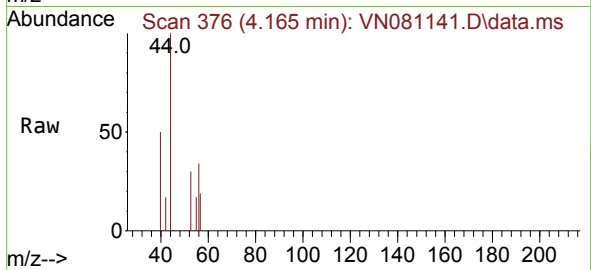
Tgt Ion: 59 Resp: 715
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



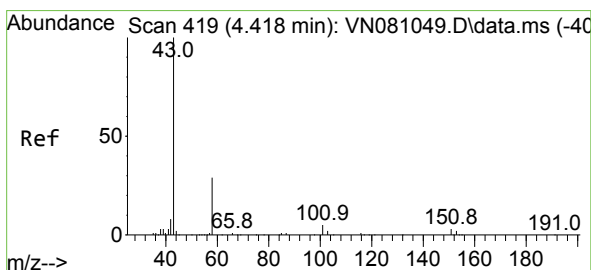
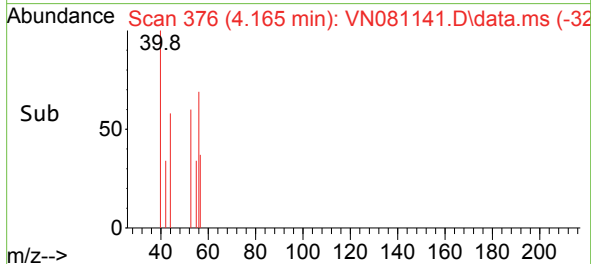
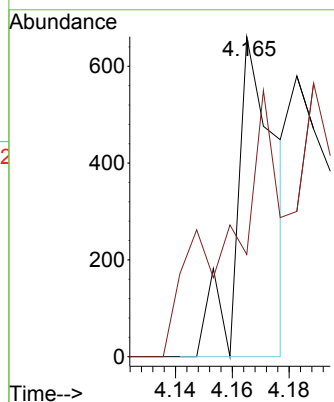


#13
Acrolein
Concen: 1.671 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

Instrument :
MSVOA_N
ClientSampleId :

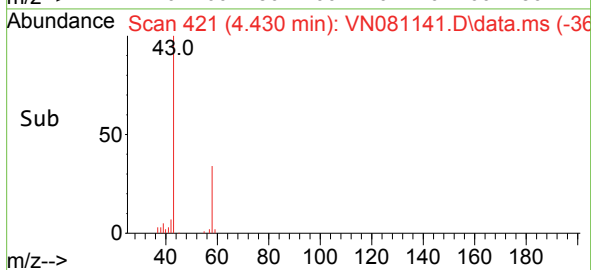
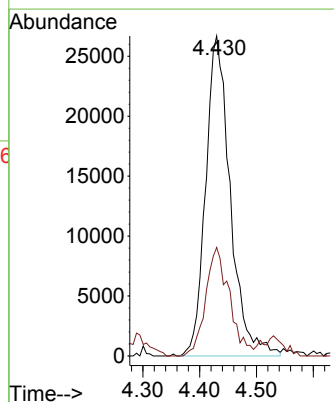
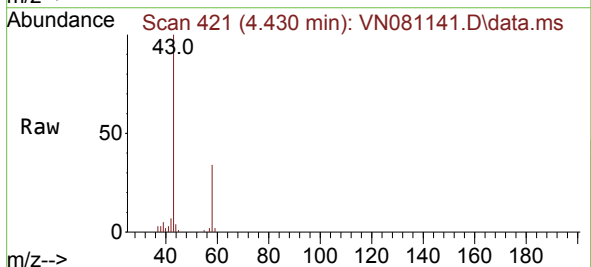


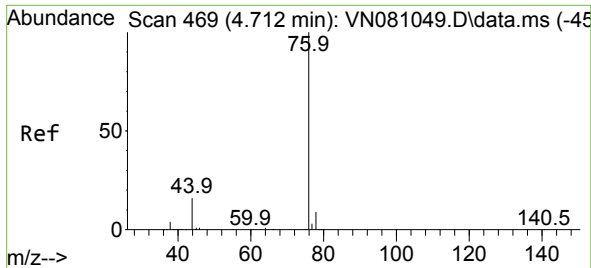
Tgt Ion: 56 Resp: 623
Ion Ratio Lower Upper
56 100
55 74.8 55.3 82.9



#16
Acetone
Concen: 53.870 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

Tgt Ion: 43 Resp: 80179
Ion Ratio Lower Upper
43 100
58 33.9 24.8 37.2

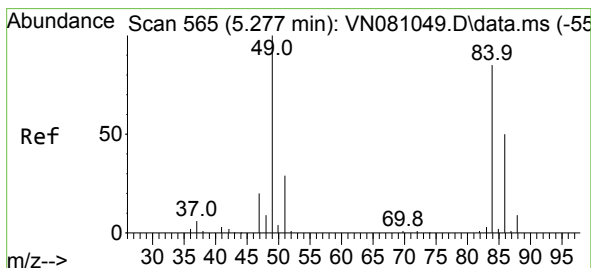
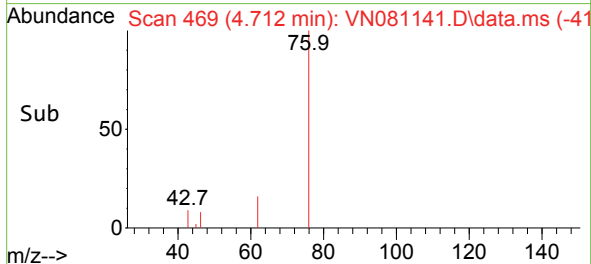
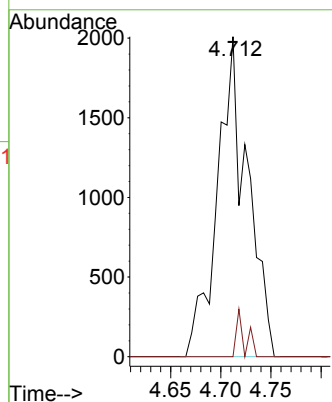
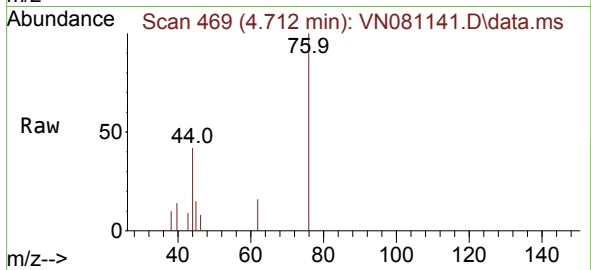




#17
Carbon Disulfide
Concen: 0.432 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

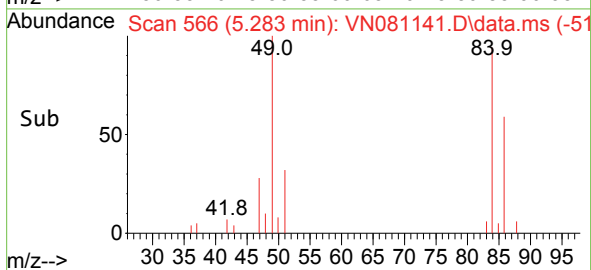
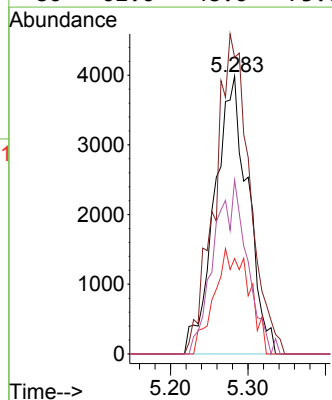
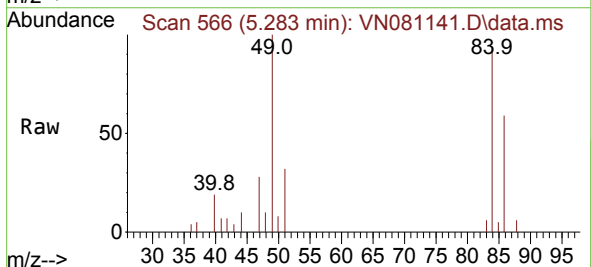
Instrument :
MSVOA_N
ClientSampleId :

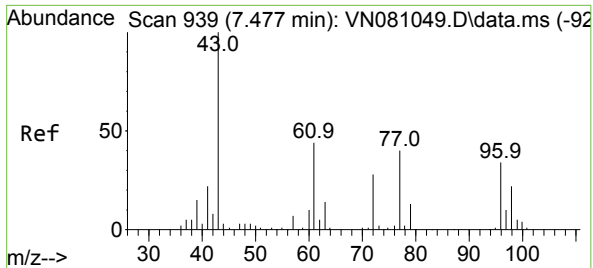
Tgt Ion: 76 Resp: 4206
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#20
Methylene Chloride
Concen: 2.215 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

Tgt Ion: 84 Resp: 11951
Ion Ratio Lower Upper
84 100
49 106.9 108.1 162.1#
51 34.3 32.9 49.3
86 62.6 48.6 73.0

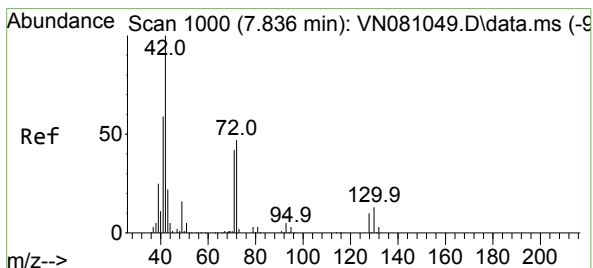
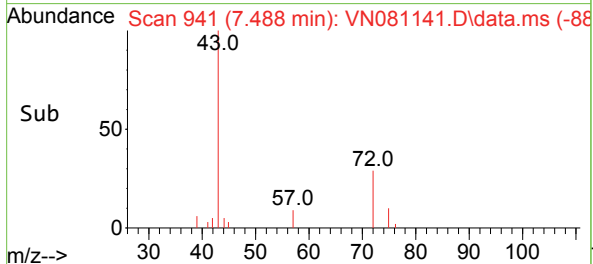
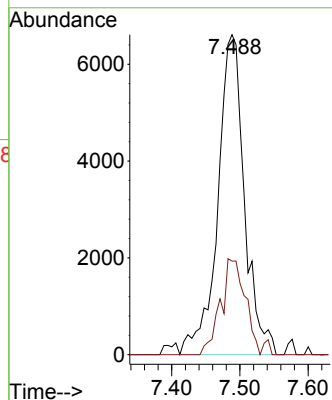
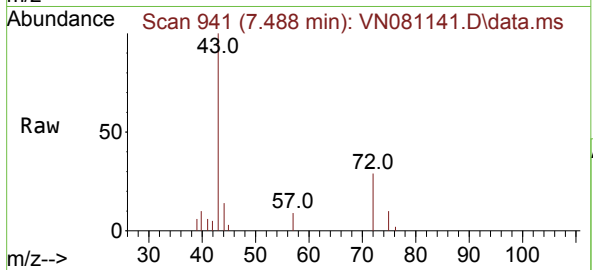




#25
2-Butanone
Concen: 7.499 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

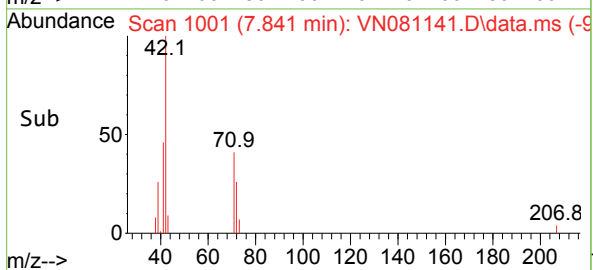
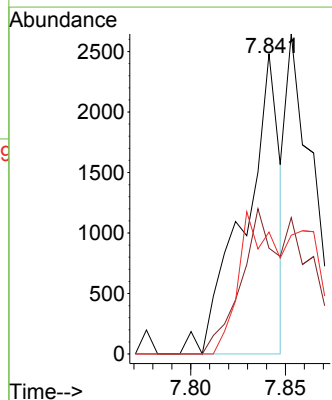
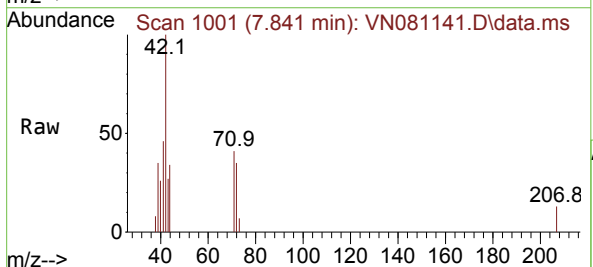
Instrument :
MSVOA_N
ClientSampleId :

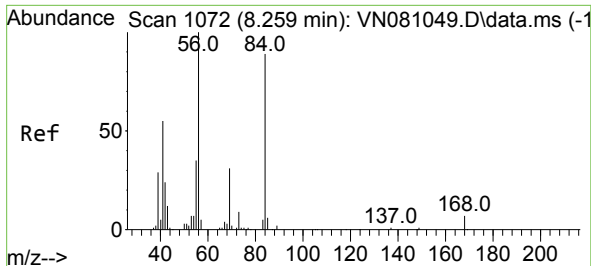
Tgt Ion: 43 Resp: 18032
Ion Ratio Lower Upper
43 100
72 29.3 19.5 29.3



#29
Tetrahydrofuran
Concen: 2.005 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

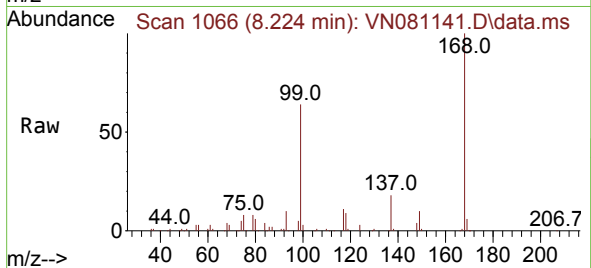
Tgt Ion: 42 Resp: 3219
Ion Ratio Lower Upper
42 100
72 49.0 31.1 46.7#
71 49.0 28.3 42.5#



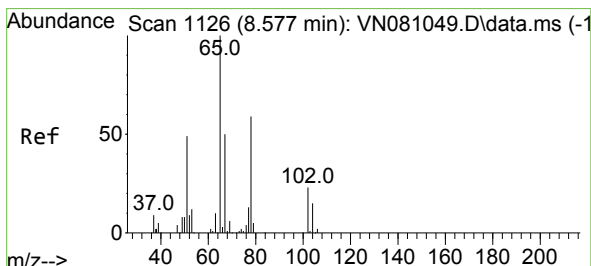
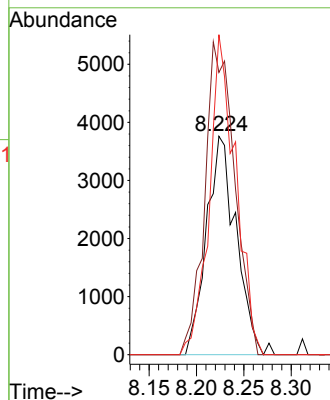
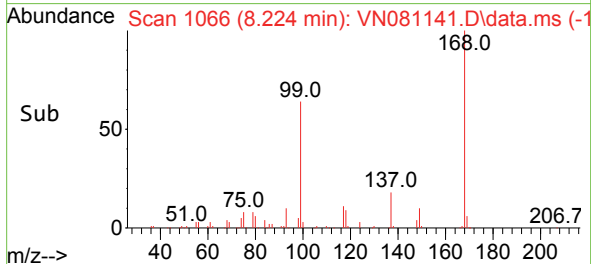


#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

Instrument :
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ClientSampleId :

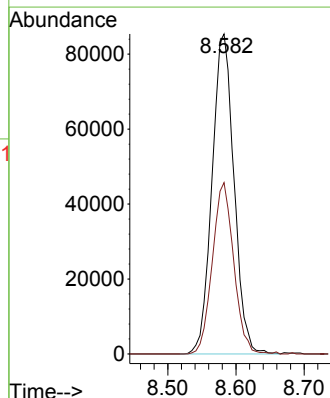
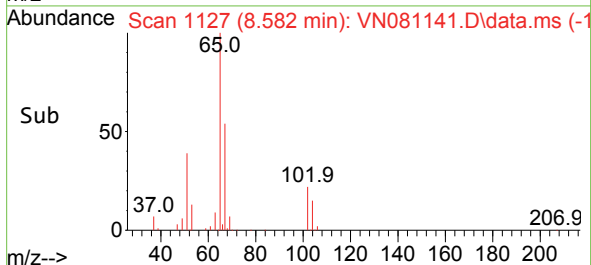
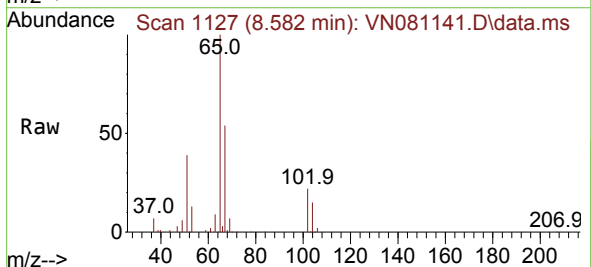


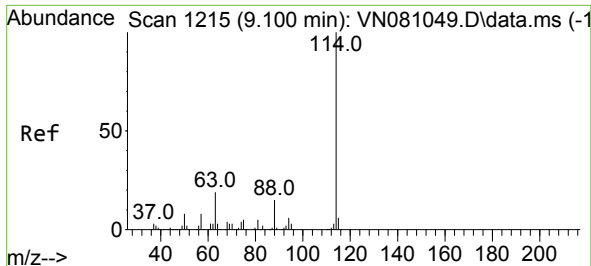
Tgt Ion: 56 Resp: 8190
Ion Ratio Lower Upper
56 100
69 129.2 20.1 30.1#
84 164.1 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 50.513 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

Tgt Ion: 65 Resp: 191071
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081141.D

Acq: 22 Feb 2024 17:35

Instrument :

MSVOA_N

ClientSampleId :

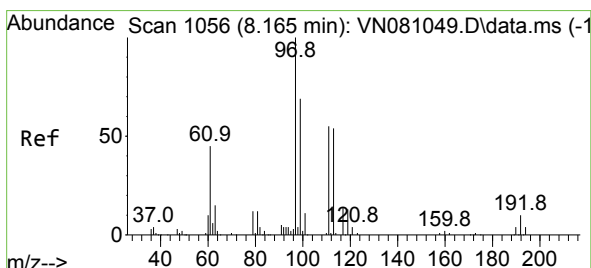
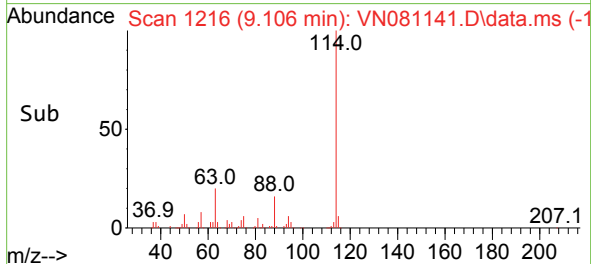
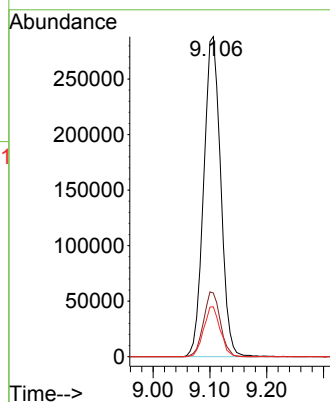
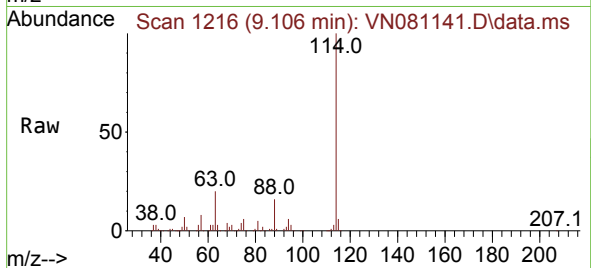
Tgt Ion:114 Resp: 596150

Ion Ratio Lower Upper

114 100

63 19.9 0.0 48.0

88 15.6 0.0 34.8



#35

Dibromofluoromethane

Concen: 0.022 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.012 min

Lab File: VN081141.D

Acq: 22 Feb 2024 17:35

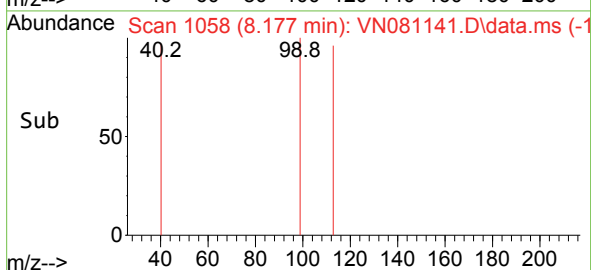
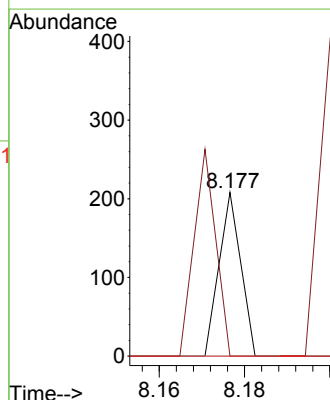
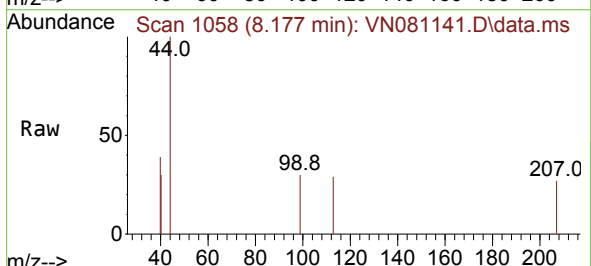
Tgt Ion:113 Resp: 73

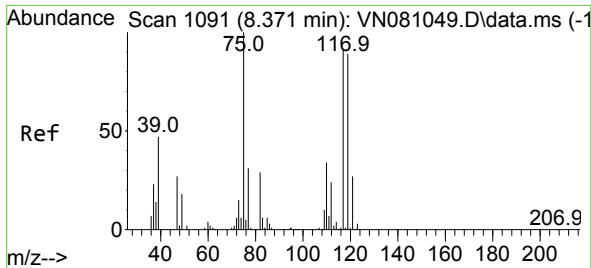
Ion Ratio Lower Upper

113 100

111 127.4 82.2 123.4#

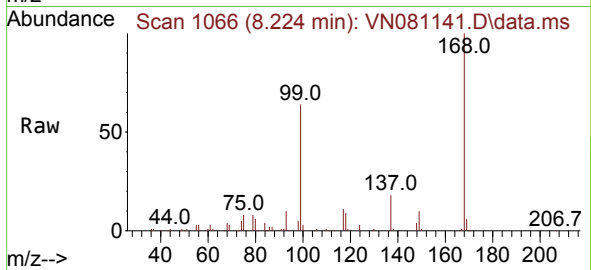
192 0.0 12.5 18.7#



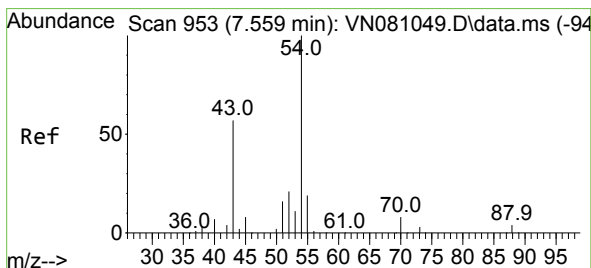
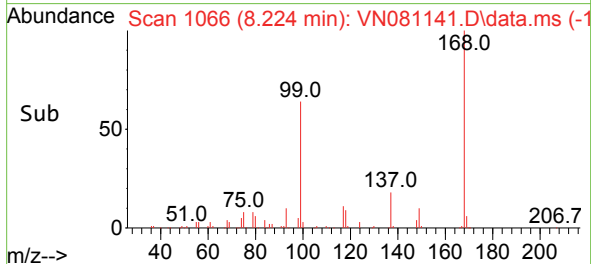
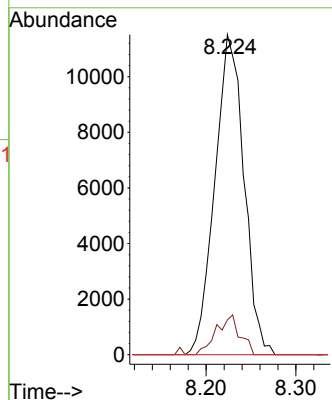


#36
1,1-Dichloropropene
Concen: 4.485 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

Instrument :
MSVOA_N
ClientSampleId :

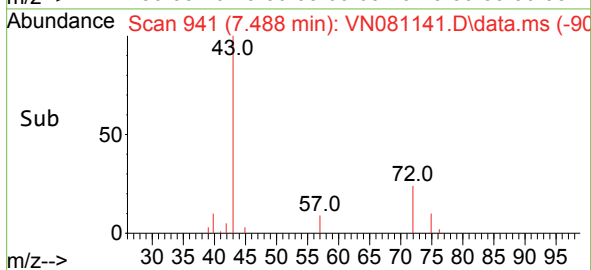
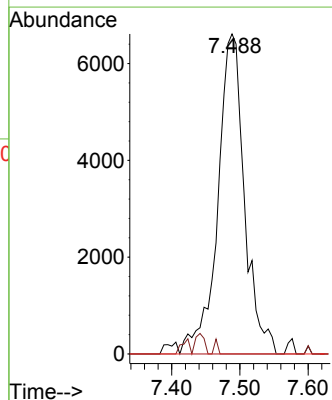
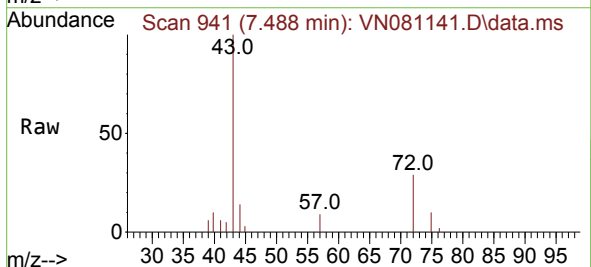


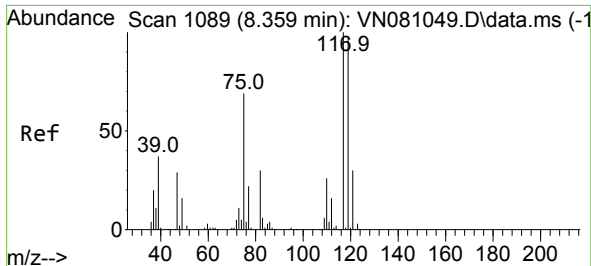
Tgt Ion: 75 Resp: 25900
Ion Ratio Lower Upper
75 100
110 10.1 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 3.460 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

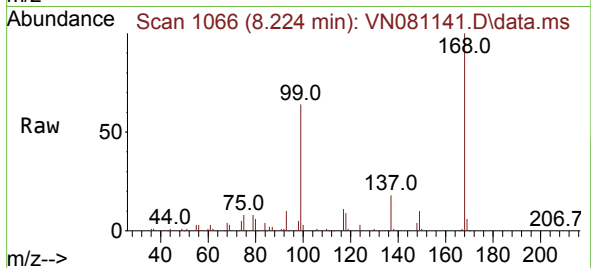
Tgt Ion: 43 Resp: 18032
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 8.0 12.0#



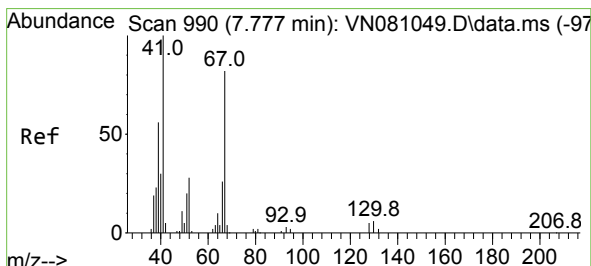
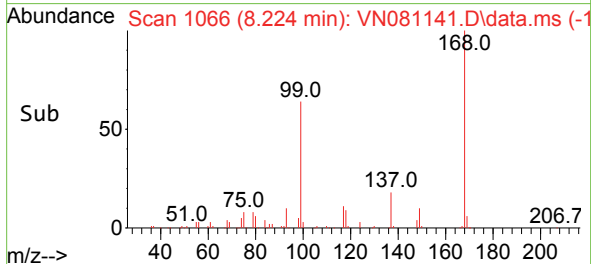
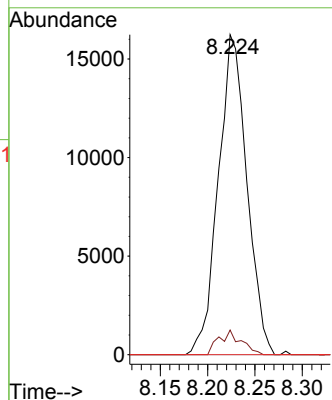


#38
Carbon Tetrachloride
Concen: 5.831 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

Instrument :
MSVOA_N
ClientSampleId :

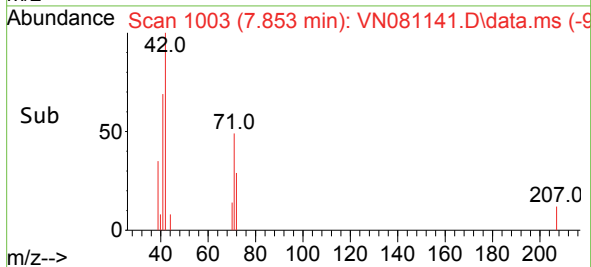
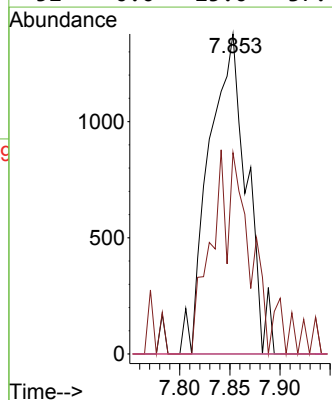
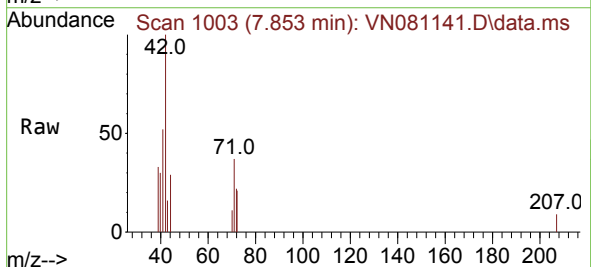


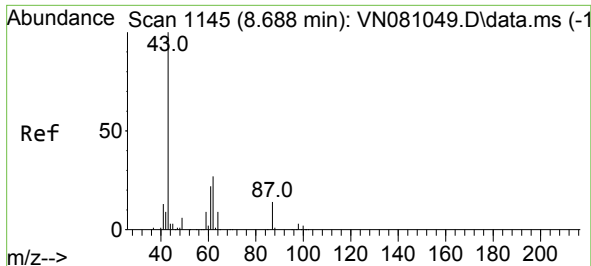
Tgt Ion:117 Resp: 34071
Ion Ratio Lower Upper
117 100
119 7.7 73.4 110.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.214 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.076 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

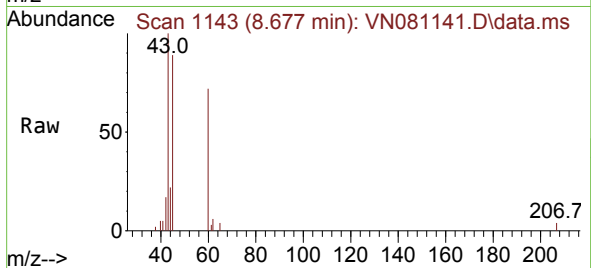
Tgt Ion: 41 Resp: 3600
Ion Ratio Lower Upper
41 100
39 28.1 48.4 72.6#
67 0.0 56.8 85.2#
52 0.0 25.0 37.4#



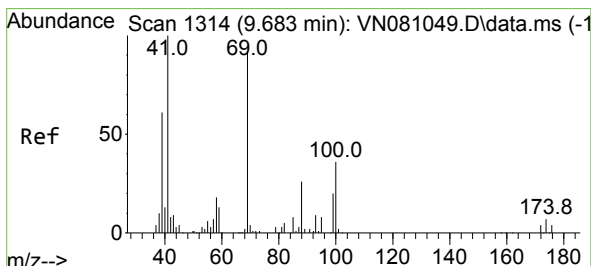
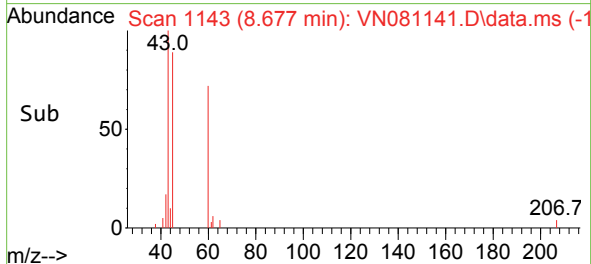
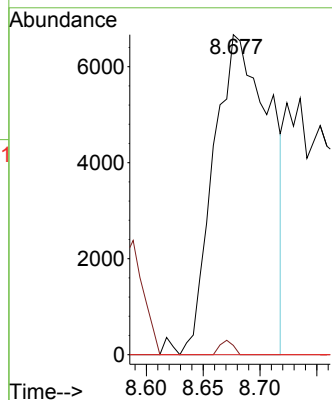


#43
Isopropyl Acetate
Concen: 2.515 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

Instrument :
MSVOA_N
ClientSampleId :

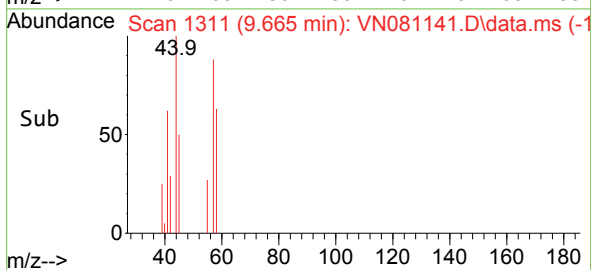
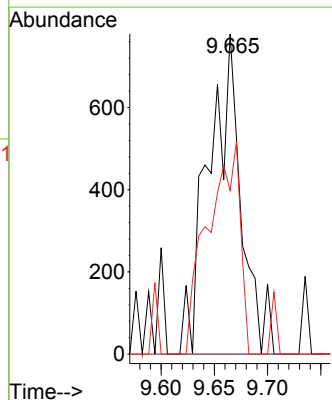
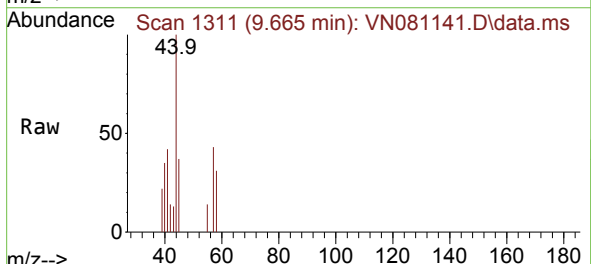


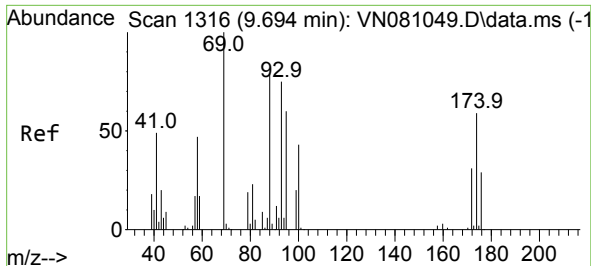
Tgt Ion: 43 Resp: 22930
Ion Ratio Lower Upper
43 100
61 1.1 19.9 29.9#
87 0.0 9.0 13.6#



#48
Methyl methacrylate
Concen: 0.393 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

Tgt Ion: 41 Resp: 1666
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 64.9 47.6 71.4





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.694 min Scan# 11

Delta R.T. 0.000 min

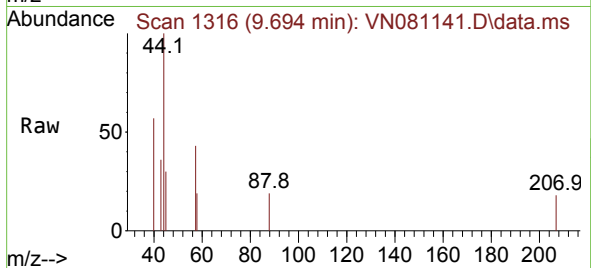
Lab File: VN081141.D

Acq: 22 Feb 2024 17:35

Instrument :

MSVOA_N

ClientSampleId :



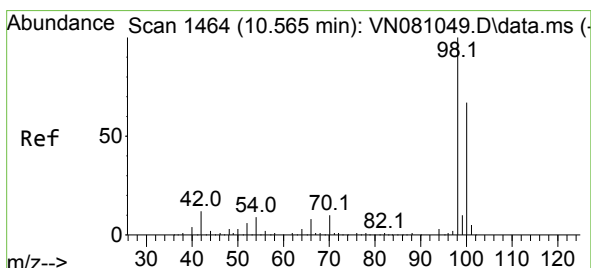
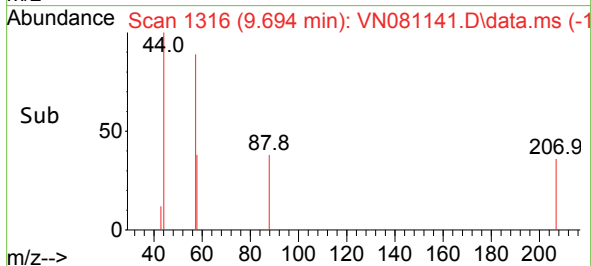
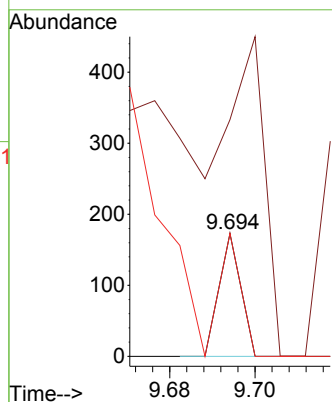
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 42.497 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081141.D

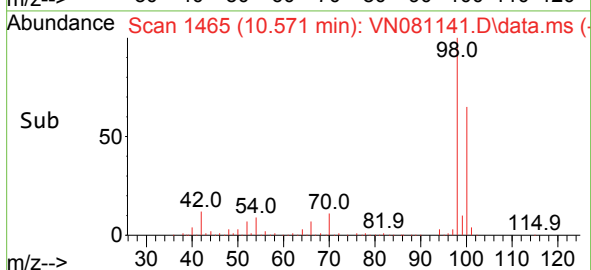
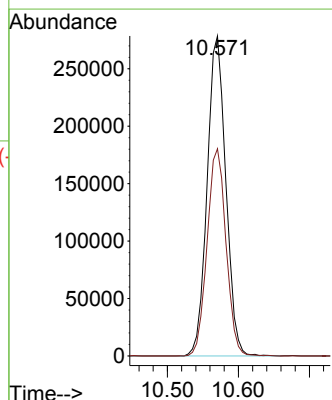
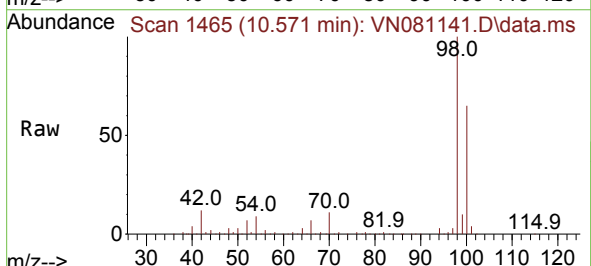
Acq: 22 Feb 2024 17:35

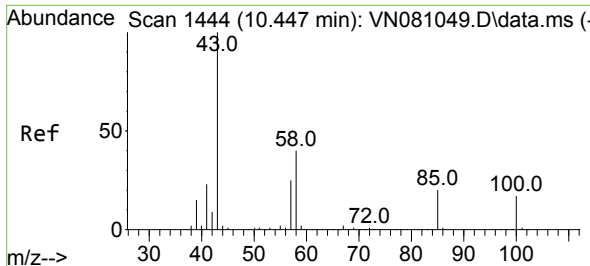
Tgt Ion: 98 Resp: 508820

Ion Ratio Lower Upper

98 100

100 65.6 51.4 77.0

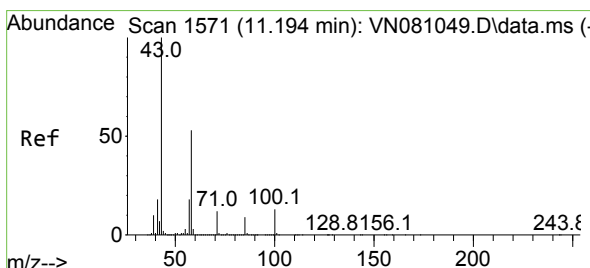
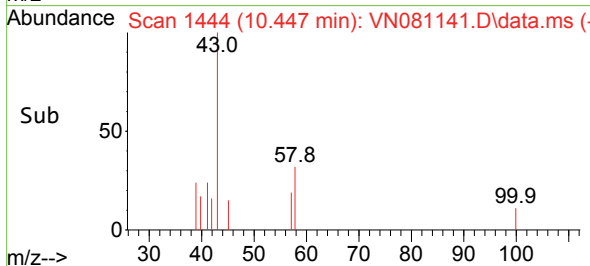
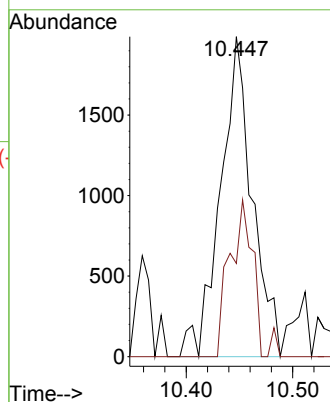
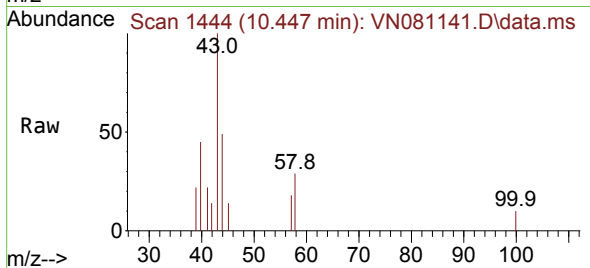




#51
4-Methyl-2-Pentanone
Concen: 0.785 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

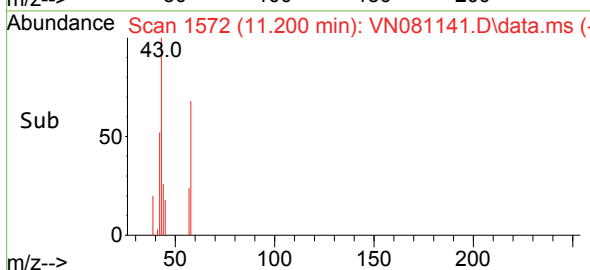
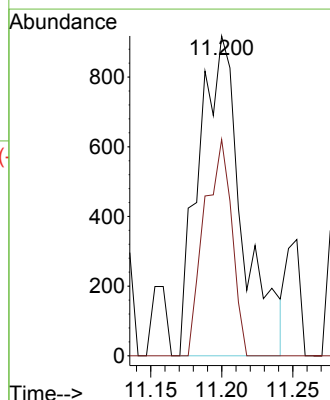
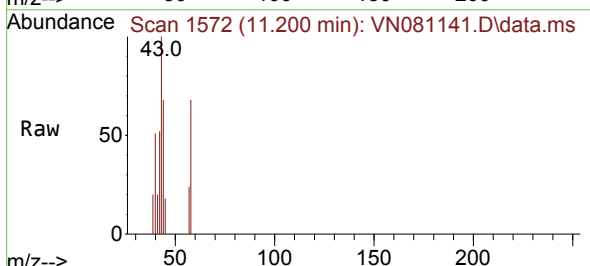
Instrument :
MSVOA_N
ClientSampleId :

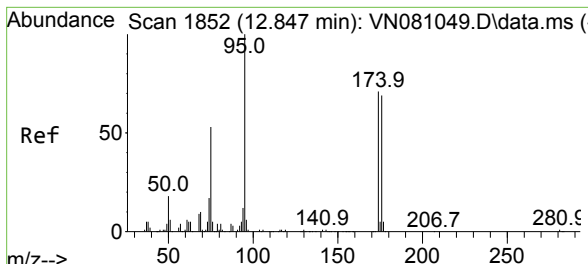
Tgt Ion: 43 Resp: 4115
Ion Ratio Lower Upper
43 100
58 35.0 29.4 44.0



#59
2-Hexanone
Concen: 0.472 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN081141.D
Acq: 22 Feb 2024 17:35

Tgt Ion: 43 Resp: 1963
Ion Ratio Lower Upper
43 100
58 42.4 25.9 77.8

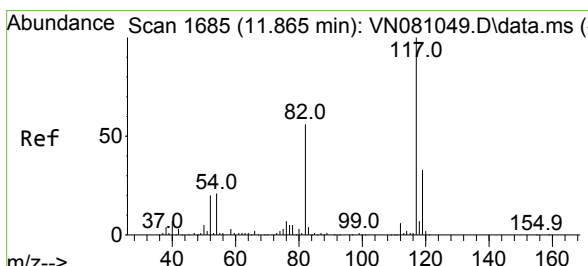
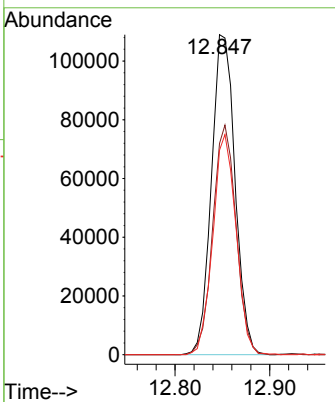
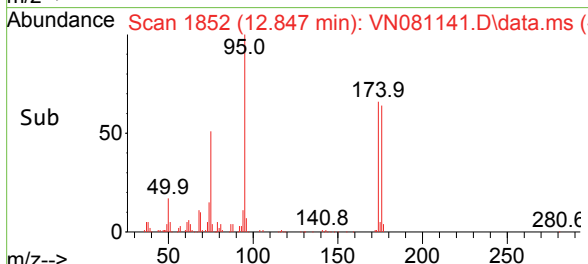
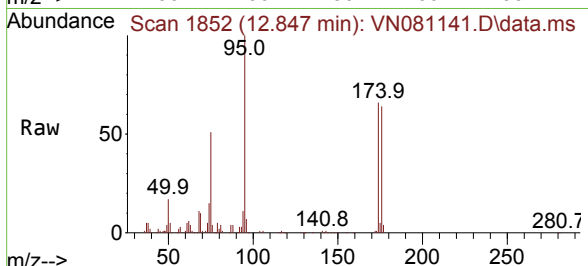




#62
 4-Bromofluorobenzene
 Concen: 41.998 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN081141.D
 Acq: 22 Feb 2024 17:35

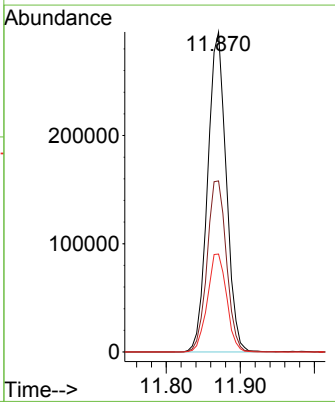
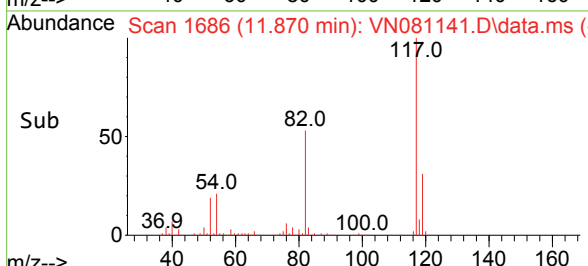
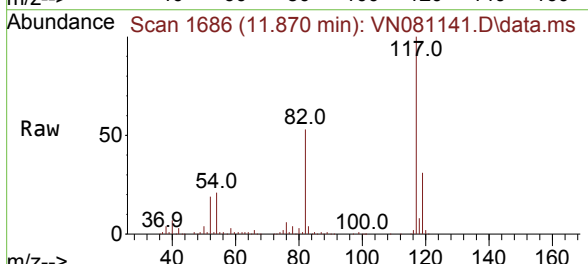
Instrument :
 MSVOA_N
 ClientSampleId :

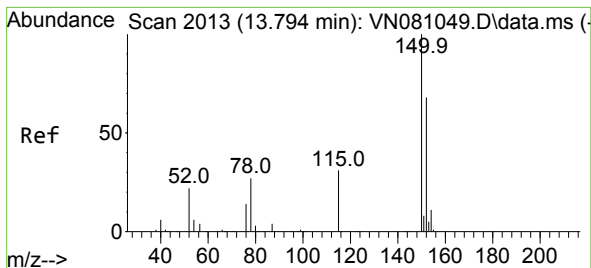
Tgt Ion:	95	Resp:	188947
Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	120.4
176	67.8	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN081141.D
 Acq: 22 Feb 2024 17:35

Tgt Ion:	117	Resp:	513068
Ion	Ratio	Lower	Upper
117	100		
82	53.4	52.7	79.1
119	30.6	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

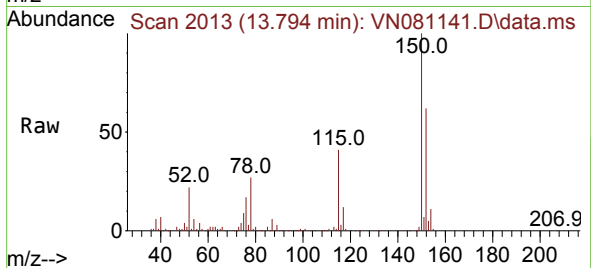
Lab File: VN081141.D

Acq: 22 Feb 2024 17:35

Instrument :

MSVOA_N

ClientSampleId :



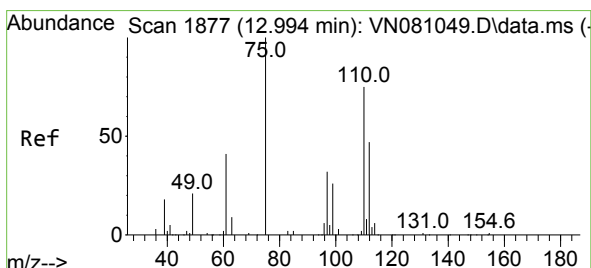
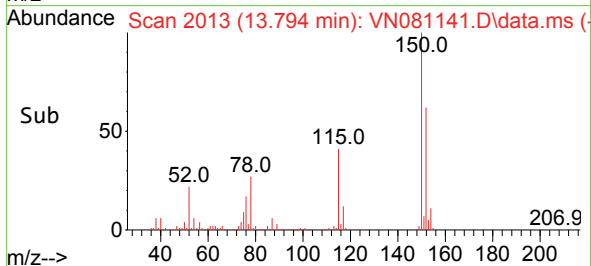
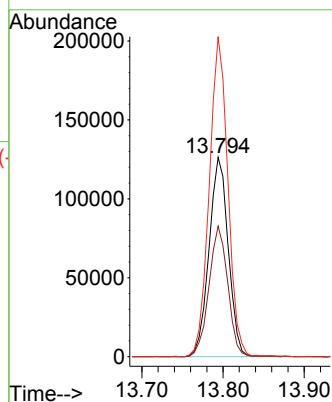
Tgt Ion:152 Resp: 207607

Ion Ratio Lower Upper

152 100

115 64.0 32.3 96.8

150 155.2 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 21.631 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081141.D

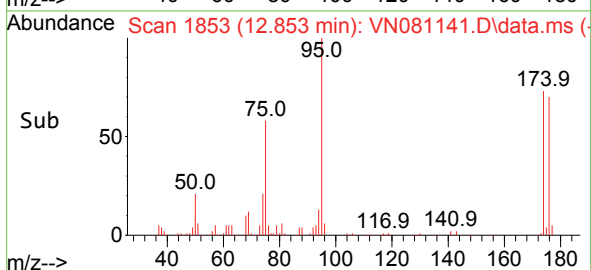
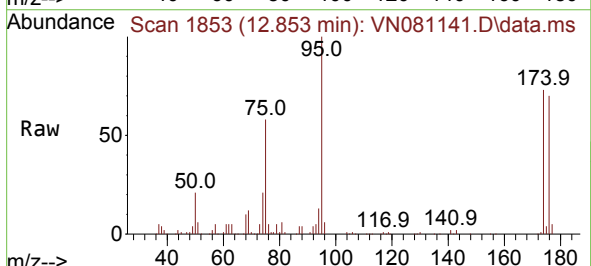
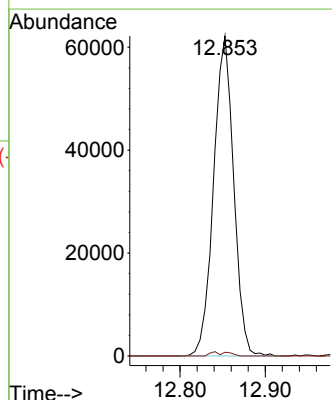
Acq: 22 Feb 2024 17:35

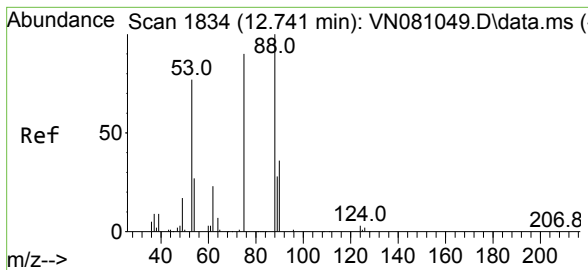
Tgt Ion: 75 Resp: 102031

Ion Ratio Lower Upper

75 100

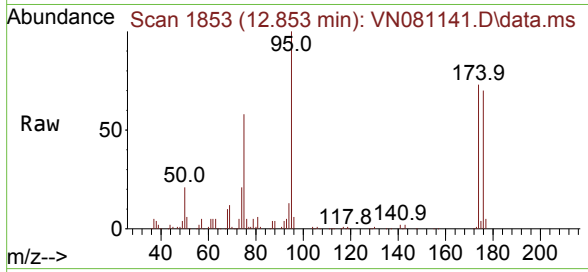
77 0.6 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.675 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081141.D
 Acq: 22 Feb 2024 17:35

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 102031
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

