

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080843.D
 Acq On : 31 Jan 2024 16:20
 Operator : JC\MD
 Sample : P1276-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-37

Quant Time: Jan 31 23:18:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

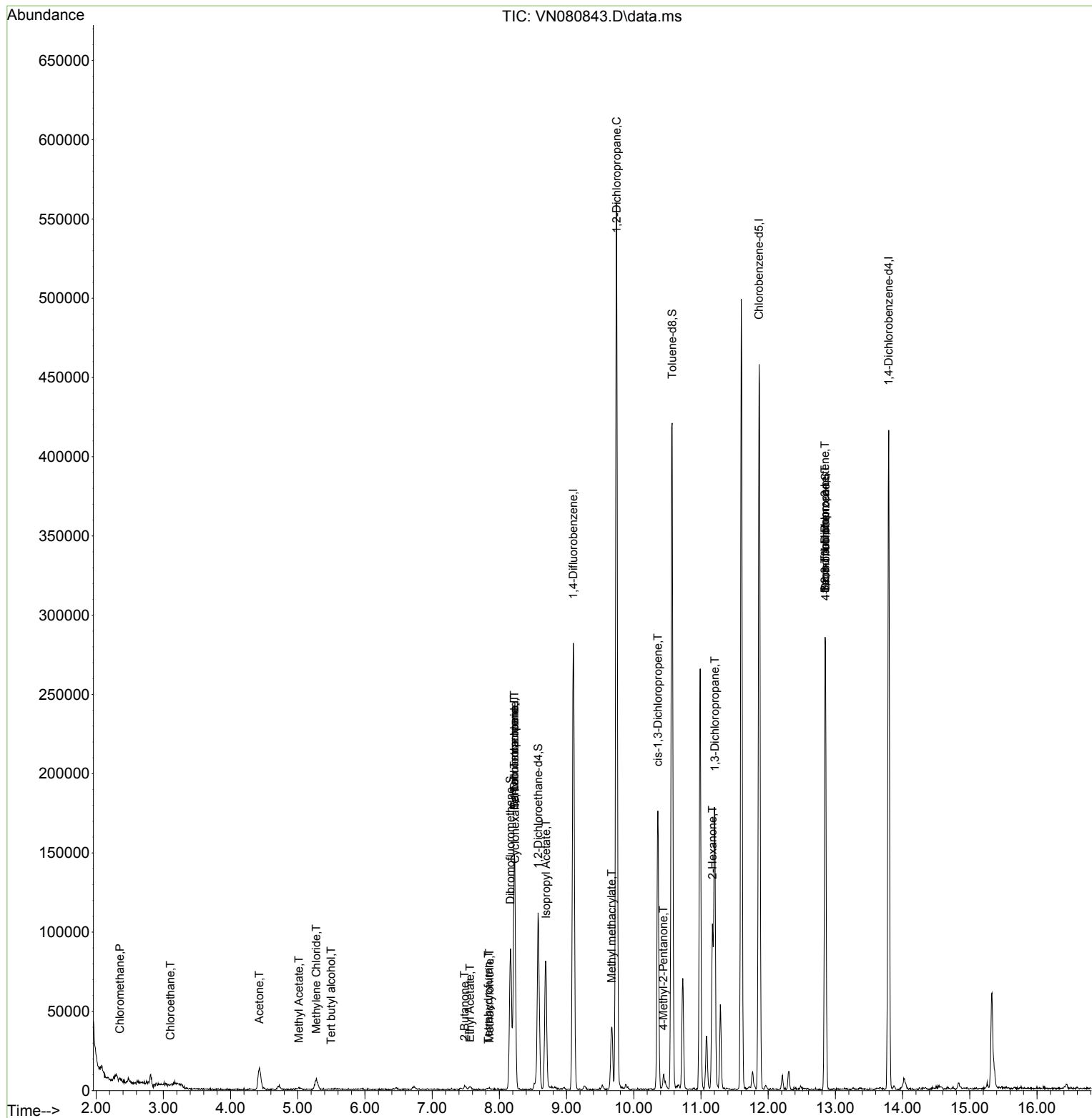
Internal Standards						
1) Pentafluorobenzene	8.224	168	94914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	221298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	82116	50.010	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.020%	
35) Dibromofluoromethane	8.165	113	60119	44.404	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 88.800%	
50) Toluene-d8	10.571	98	275035	51.902	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.800%	
62) 4-Bromofluorobenzene	12.853	95	98506	53.345	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	2161	1.020	ug/l #	85
6) Chloroethane	3.106	64	256	0.298	ug/l #	42
11) Tert butyl alcohol	5.495	59	65	0.243	ug/l #	72
16) Acetone	4.430	43	26761	44.938	ug/l #	78
18) Methyl Acetate	5.018	43	870	0.419	ug/l #	54
20) Methylene Chloride	5.277	84	2174	1.391	ug/l #	62
25) 2-Butanone	7.483	43	3933	3.477	ug/l	91
29) Tetrahydrofuran	7.836	42	1205	1.574	ug/l #	53
31) Cyclohexane	8.236	56	3055	1.085	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11206	4.453	ug/l #	47
37) Ethyl Acetate	7.565	43	3192	1.232	ug/l #	77
38) Carbon Tetrachloride	8.224	117	11495	5.669	ug/l #	14
41) Methacrylonitrile	7.853	41	310	0.203	ug/l #	31
43) Isopropyl Acetate	8.694	43	98648	20.916	ug/l #	90
45) 1,2-Dichloropropane	9.747	63	645	0.322	ug/l #	42
48) Methyl methacrylate	9.671	41	3223	1.410	ug/l #	45
51) 4-Methyl-2-Pentanone	10.441	43	9953	3.775	ug/l #	75
54) cis-1,3-Dichloropropene	10.359	75	30560	10.014	ug/l #	63
57) 1,3-Dichloropropane	11.206	76	1397	0.455	ug/l #	43
59) 2-Hexanone	11.171	43	112712	55.035	ug/l #	26
71) Bromoform	12.847	173	391	0.352	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	57196	20.704	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57196	53.338	ug/l #	14

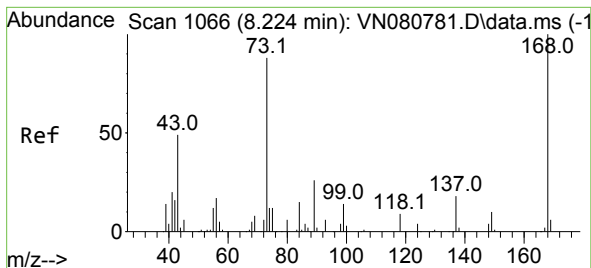
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080843.D

Acq: 31 Jan 2024 16:20

Instrument :

MSVOA_N

ClientSampleId :

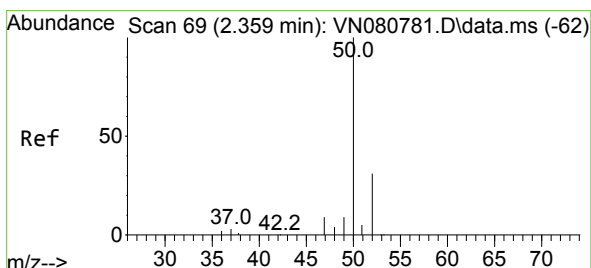
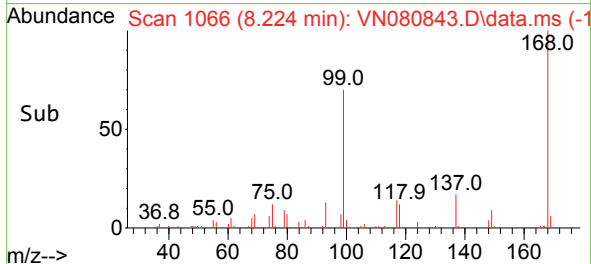
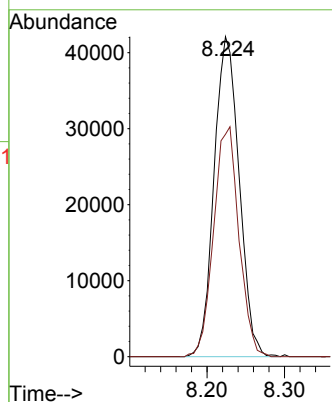
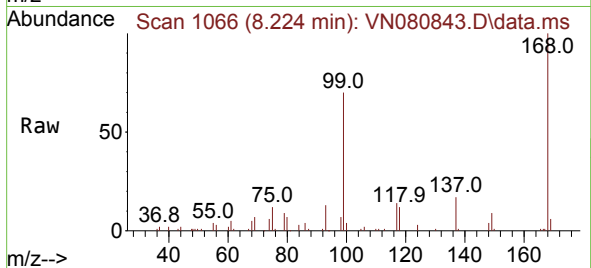
TP-37

Tgt Ion:168 Resp: 94914

Ion Ratio Lower Upper

168 100

99 69.5 59.9 89.9



#3

Chloromethane

Concen: 1.020 ug/l

RT: 2.354 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN080843.D

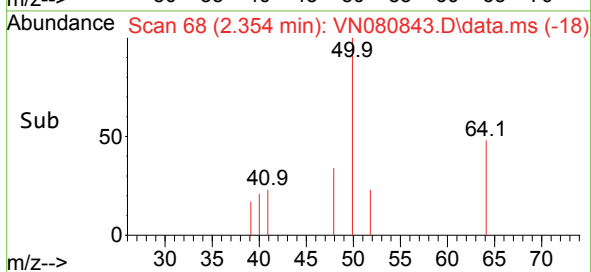
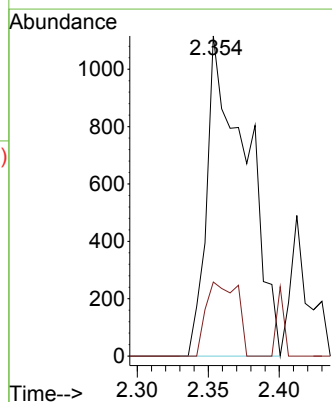
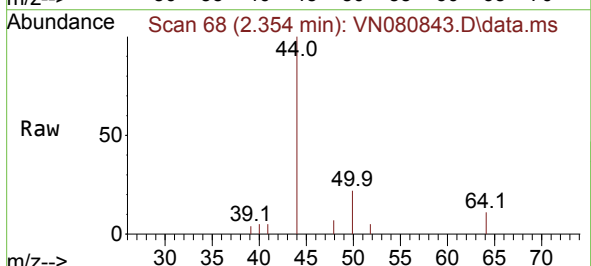
Acq: 31 Jan 2024 16:20

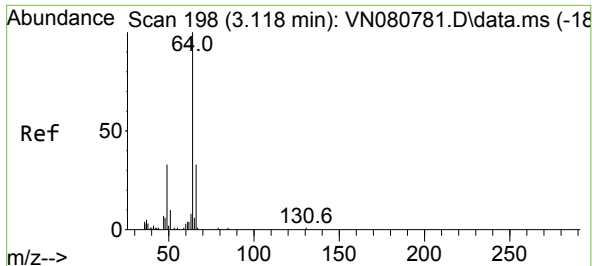
Tgt Ion: 50 Resp: 2161

Ion Ratio Lower Upper

50 100

52 23.1 25.0 37.4#

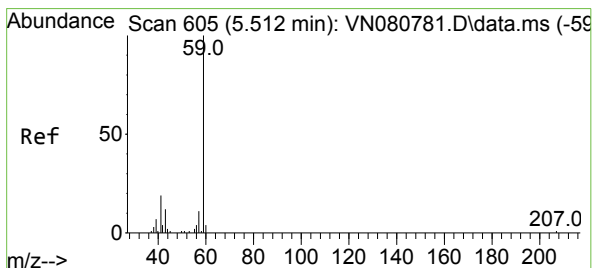
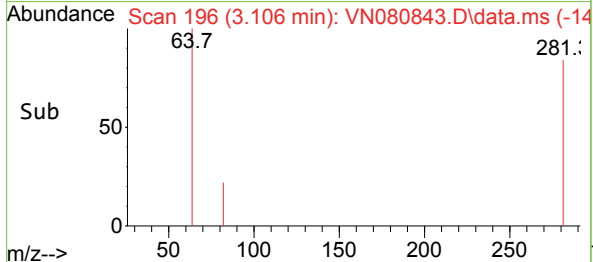
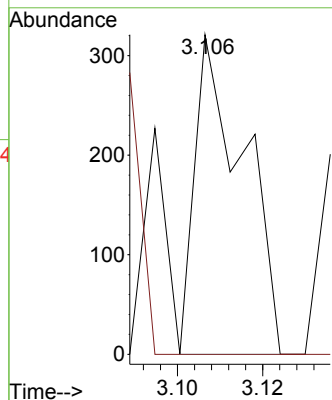
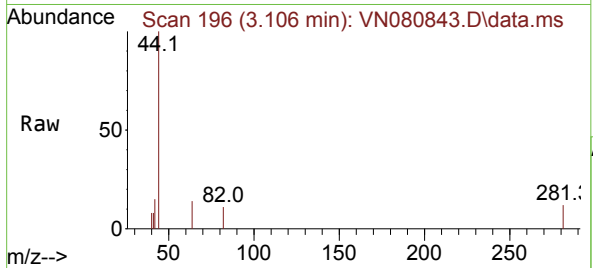




#6
Chloroethane
Concen: 0.298 ug/l
RT: 3.106 min Scan# 198
Delta R.T. -0.012 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

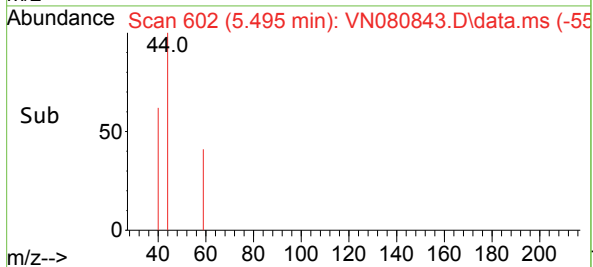
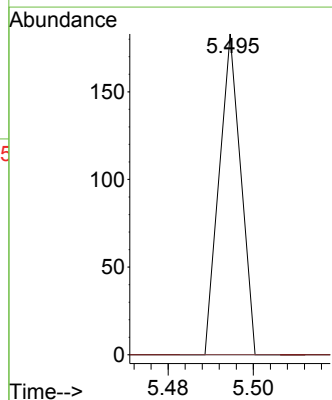
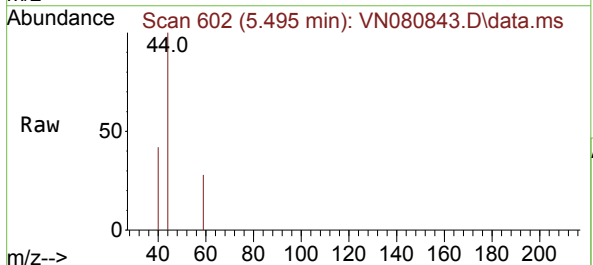
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MSVOA_N
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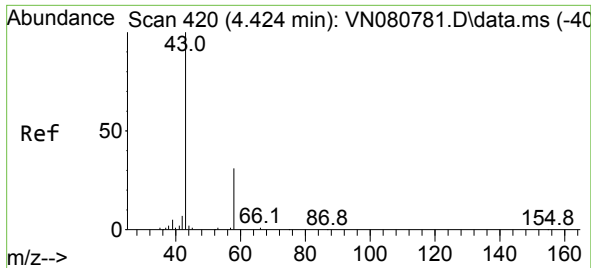
Tgt Ion: 64 Resp: 256
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.243 ug/l
RT: 5.495 min Scan# 602
Delta R.T. -0.018 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 44.938 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN080843.D

Acq: 31 Jan 2024 16:20

Instrument :

MSVOA_N

ClientSampleId :

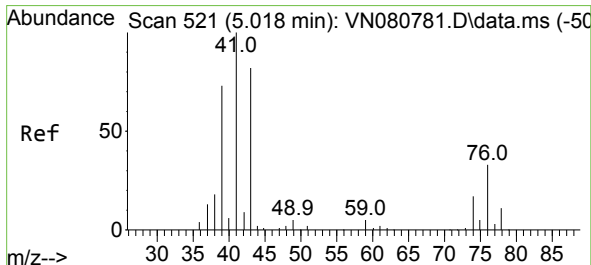
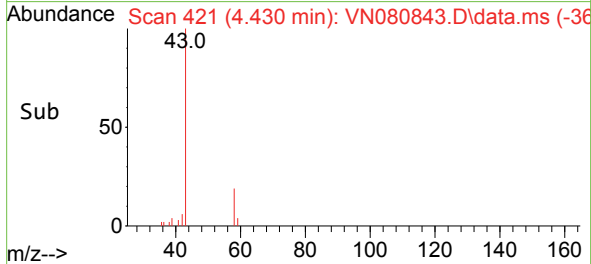
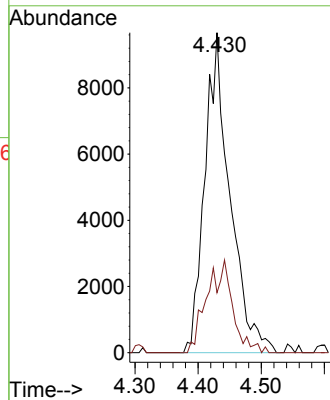
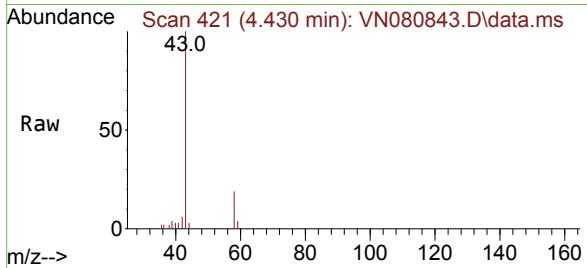
TP-37

Tgt Ion: 43 Resp: 26761

Ion Ratio Lower Upper

43 100

58 18.8 24.8 37.2#



#18

Methyl Acetate

Concen: 0.419 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN080843.D

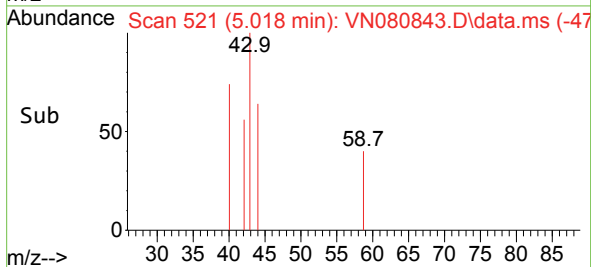
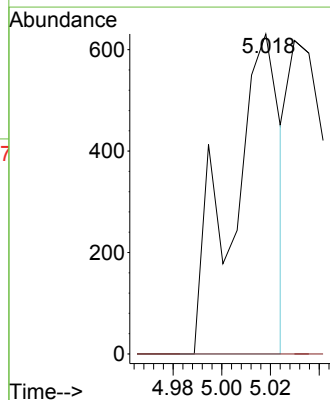
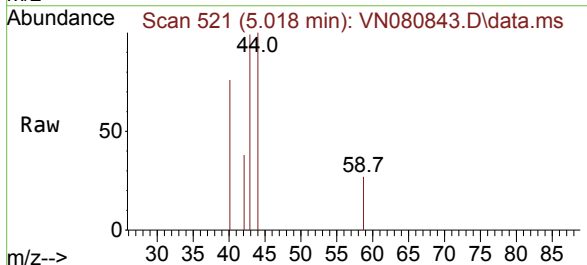
Acq: 31 Jan 2024 16:20

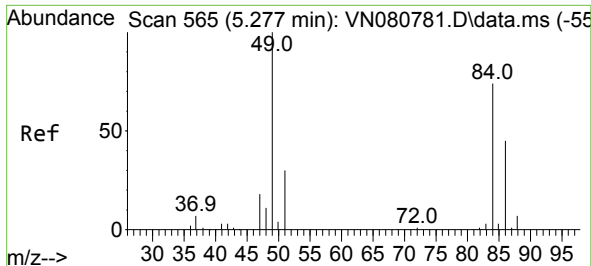
Tgt Ion: 43 Resp: 870

Ion Ratio Lower Upper

43 100

74 0.0 17.3 25.9#

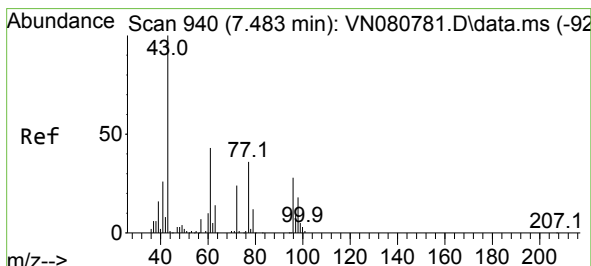
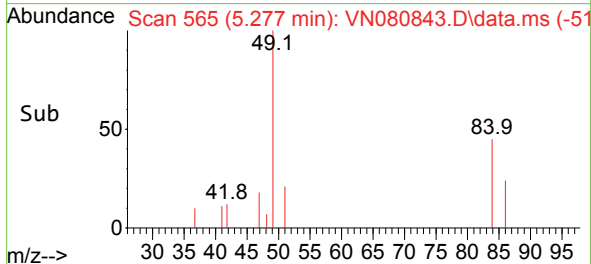
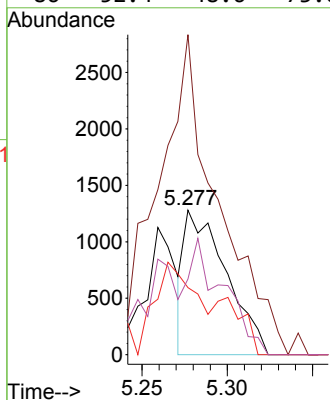
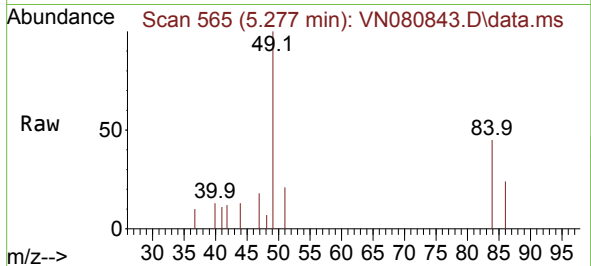




#20
Methylene Chloride
Concen: 1.391 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

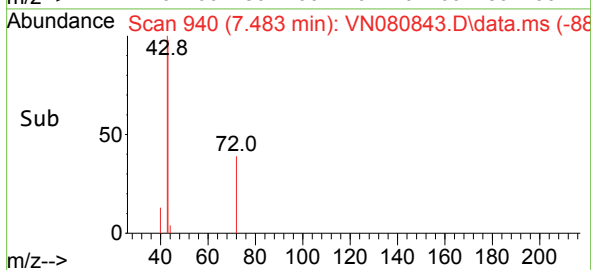
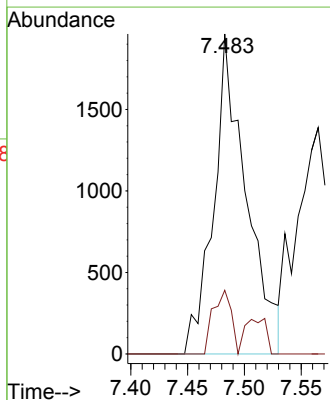
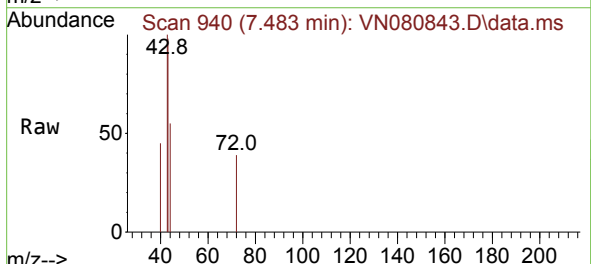
Instrument :
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ClientSampleId :
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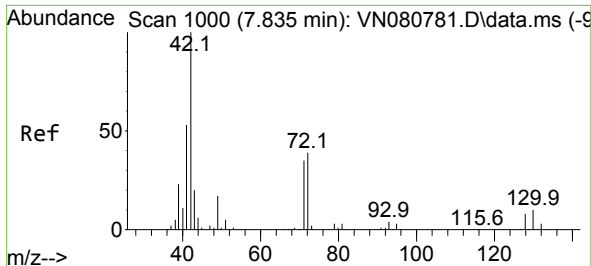
Tgt Ion: 84 Resp: 2174
Ion Ratio Lower Upper
84 100
49 205.9 108.1 162.1#
51 46.4 32.9 49.3
86 52.4 48.6 73.0



#25
2-Butanone
Concen: 3.477 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

Tgt Ion: 43 Resp: 3933
Ion Ratio Lower Upper
43 100
72 19.9 19.5 29.3

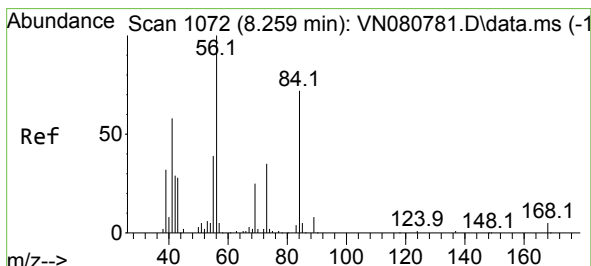
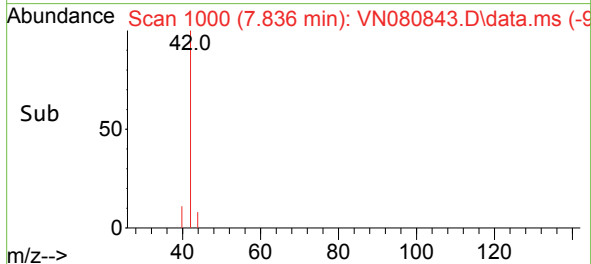
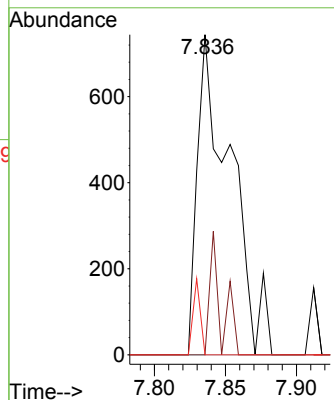
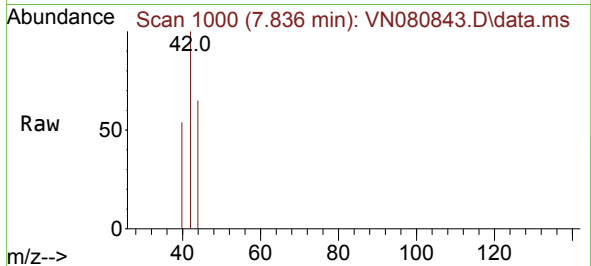




#29
Tetrahydrofuran
Concen: 1.574 ug/l
RT: 7.836 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

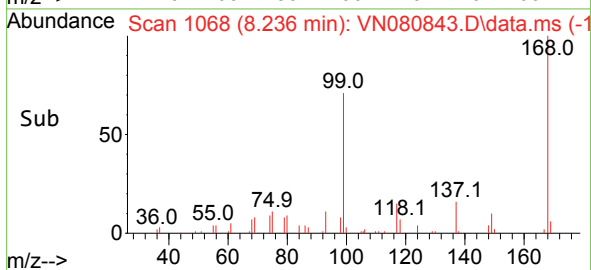
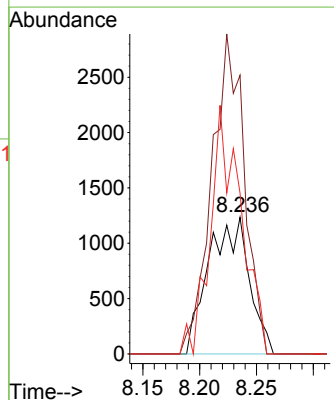
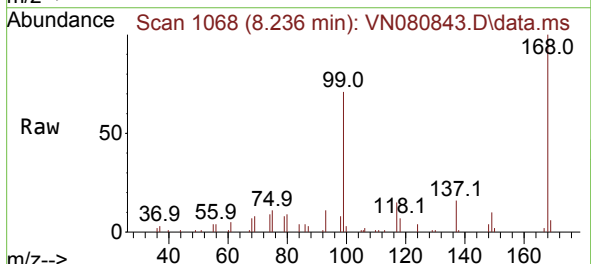
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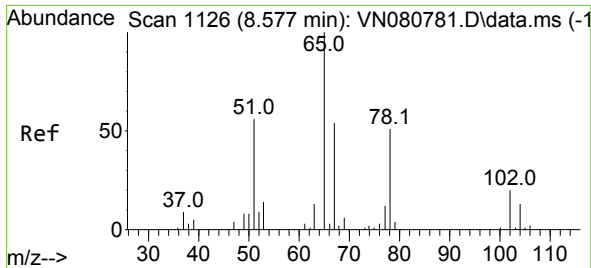
Tgt Ion:	42	Resp:	1205
Ion	Ratio	Lower	Upper
42	100		
72	13.4	31.1	46.7#
71	5.1	28.3	42.5#



#31
Cyclohexane
Concen: 1.085 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.023 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

Tgt Ion:	56	Resp:	3055
Ion	Ratio	Lower	Upper
56	100		
69	203.9	20.1	30.1#
84	117.7	56.9	85.3#

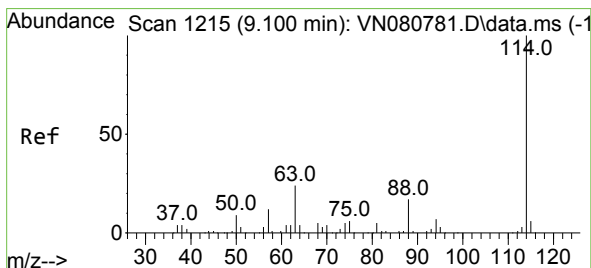
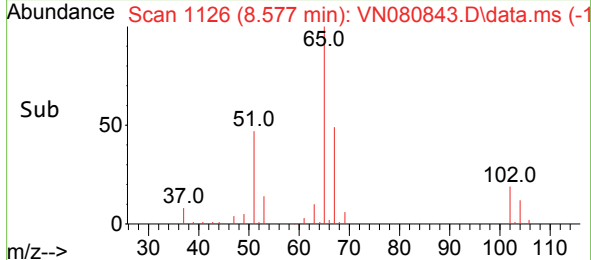
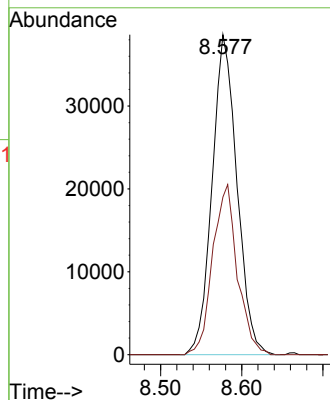
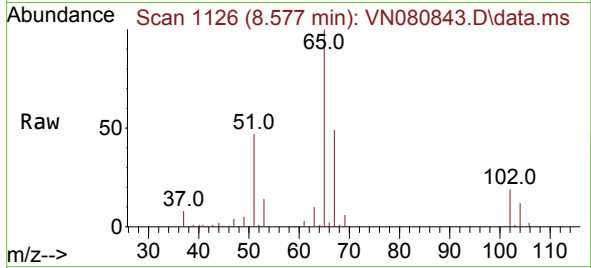




#33
 1,2-Dichloroethane-d4
 Concen: 50.010 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN080843.D
 Acq: 31 Jan 2024 16:20

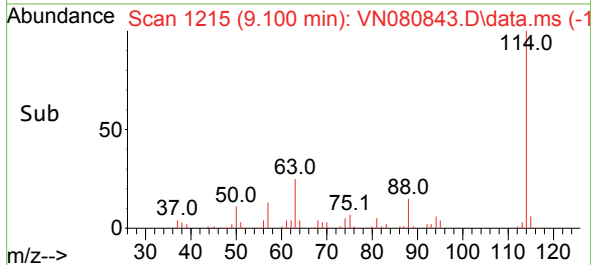
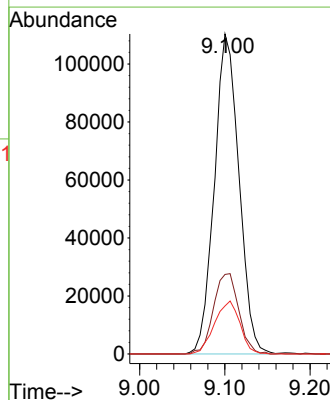
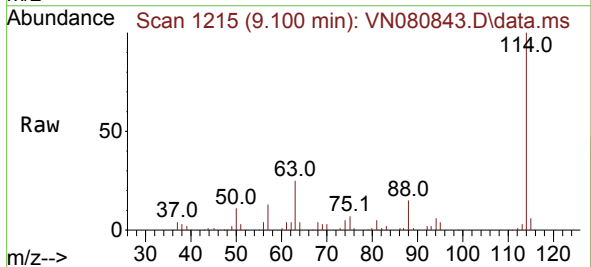
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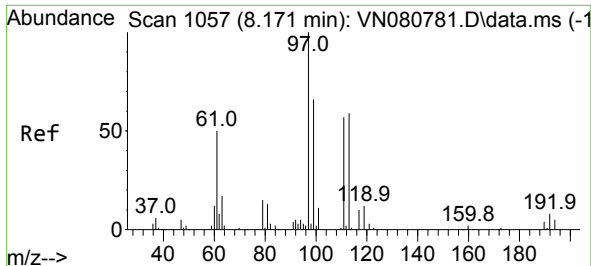
Tgt Ion: 65 Resp: 82116
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN080843.D
 Acq: 31 Jan 2024 16:20

Tgt Ion: 114 Resp: 221298
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 48.0
 88 15.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 44.404 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080843.D

Acq: 31 Jan 2024 16:20

Instrument :

MSVOA_N

ClientSampleId :

TP-37

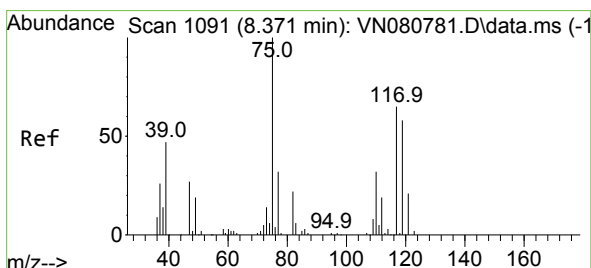
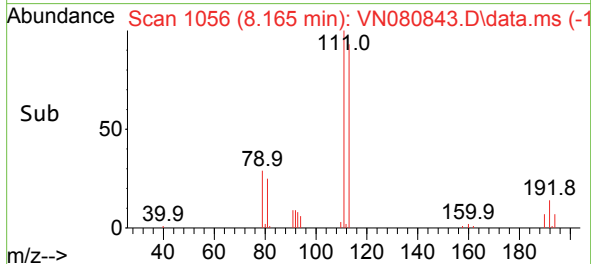
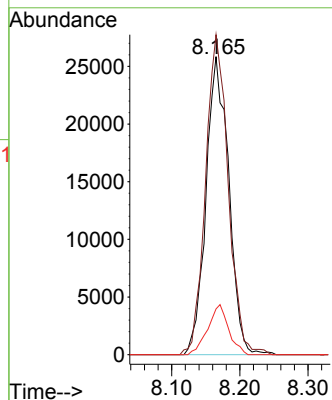
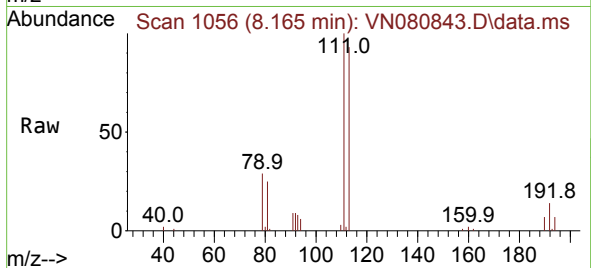
Tgt Ion:113 Resp: 60119

Ion Ratio Lower Upper

113 100

111 107.0 82.2 123.4

192 15.3 12.5 18.7



#36

1,1-Dichloropropene

Concen: 4.453 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN080843.D

Acq: 31 Jan 2024 16:20

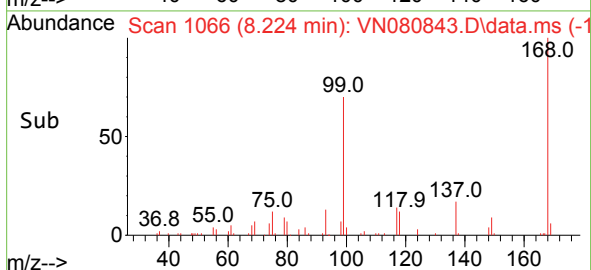
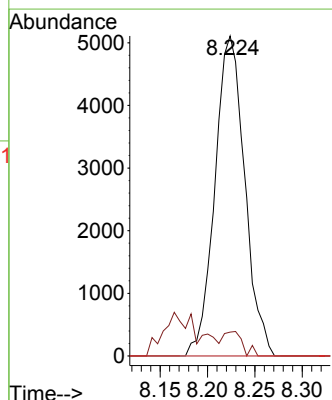
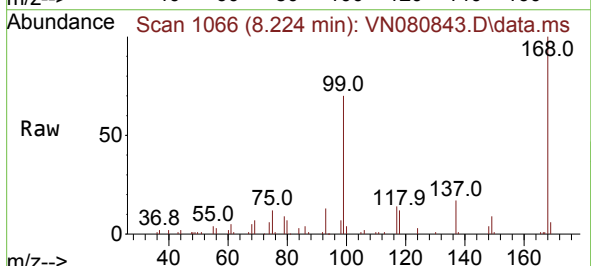
Tgt Ion: 75 Resp: 11206

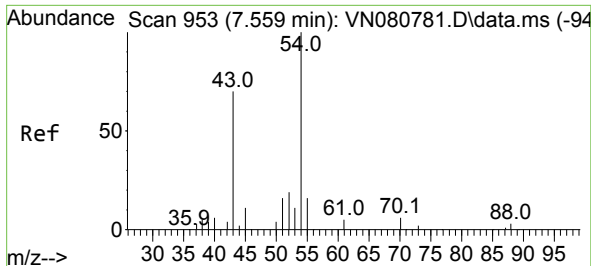
Ion Ratio Lower Upper

75 100

110 5.0 16.0 48.0#

77 0.0 25.8 38.6#

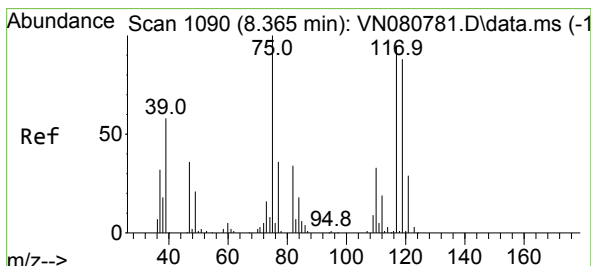
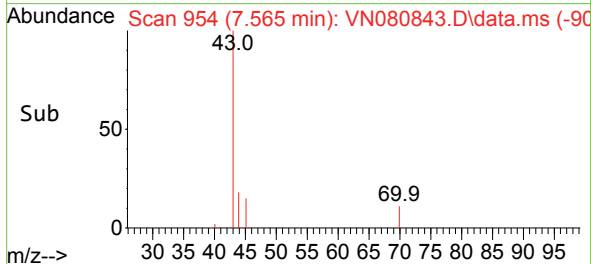
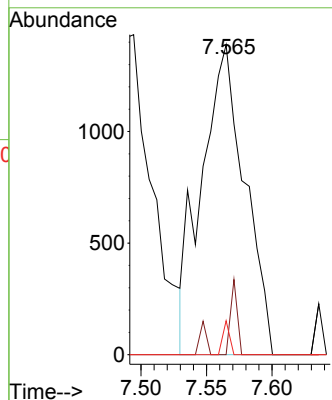
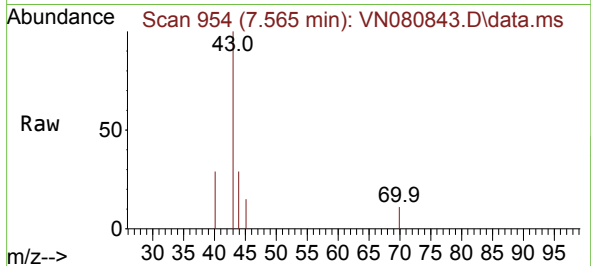




#37
Ethyl Acetate
Concen: 1.232 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

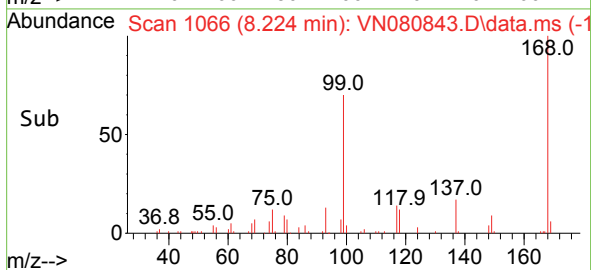
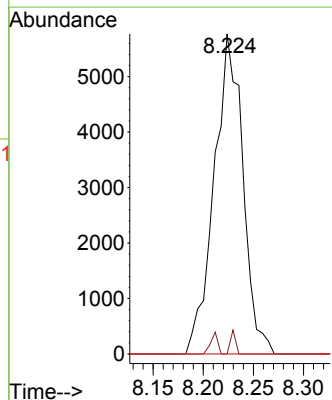
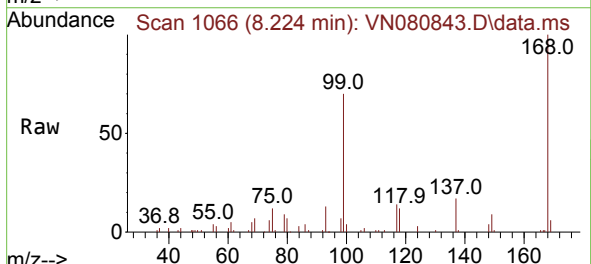
Instrument :
MSVOA_N
ClientSampleId :
TP-37

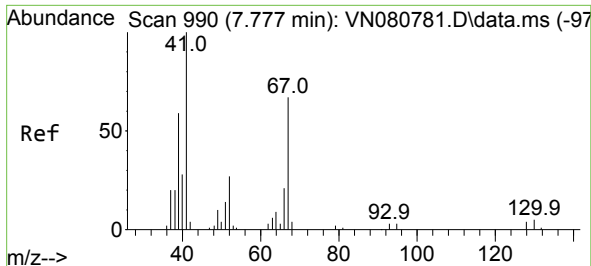
Tgt Ion: 43 Resp: 3192
Ion Ratio Lower Upper
43 100
61 3.7 10.6 15.8#
70 1.7 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 5.669 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

Tgt Ion: 117 Resp: 11495
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 24.4 36.6#

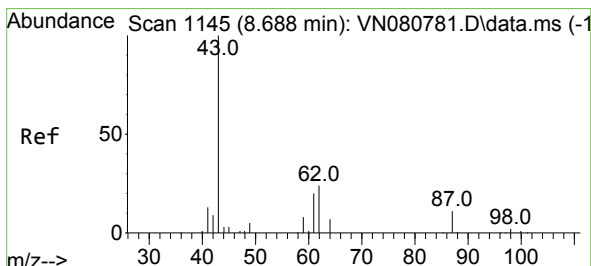
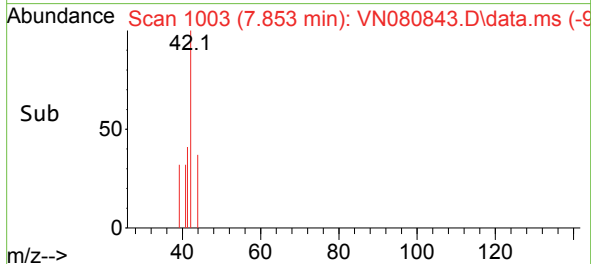
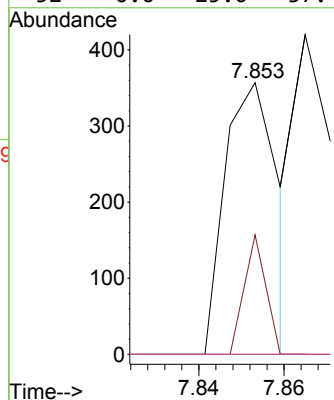
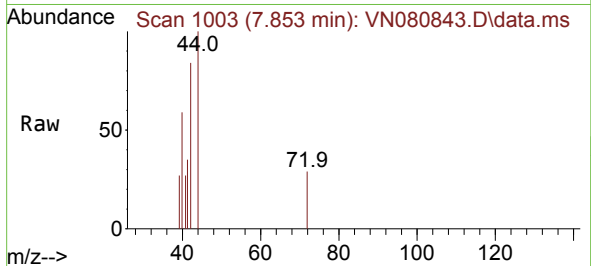




#41
Methacrylonitrile
Concen: 0.203 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.077 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

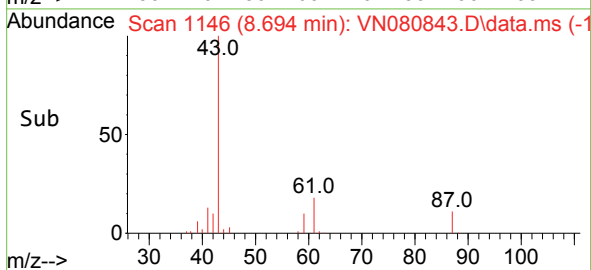
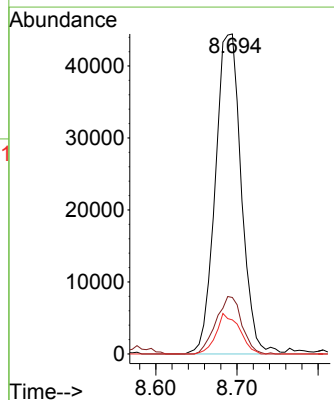
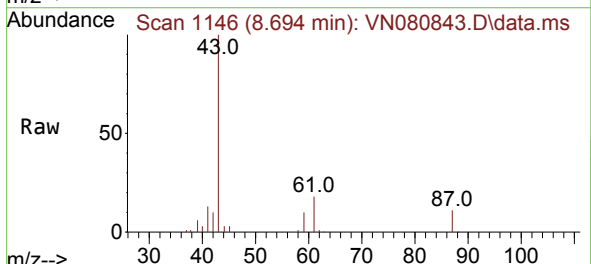
Instrument :
MSVOA_N
ClientSampleId :
TP-37

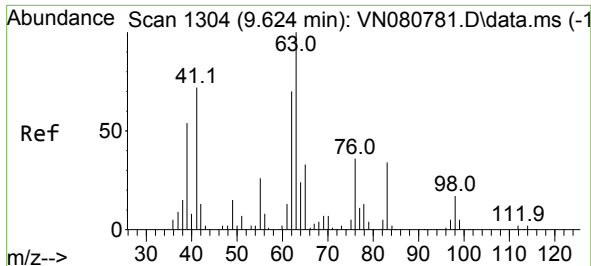
Tgt Ion: 41 Resp: 310
Ion Ratio Lower Upper
41 100
39 17.7 48.4 72.6#
67 0.0 56.8 85.2#
52 0.0 25.0 37.4#



#43
Isopropyl Acetate
Concen: 20.916 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

Tgt Ion: 43 Resp: 98648
Ion Ratio Lower Upper
43 100
61 17.8 19.9 29.9#
87 11.4 9.0 13.6





#45

1,2-Dichloropropane

Concen: 0.322 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN080843.D

Acq: 31 Jan 2024 16:20

Instrument :

MSVOA_N

ClientSampleId :

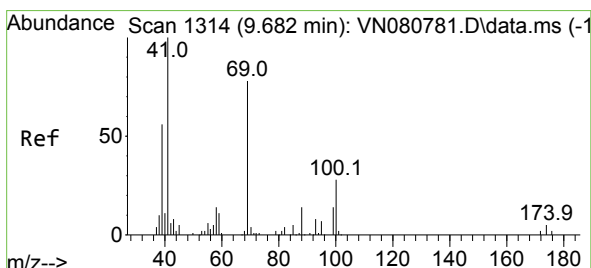
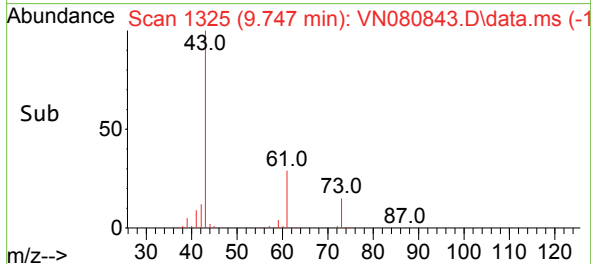
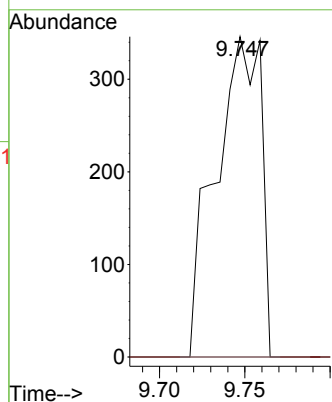
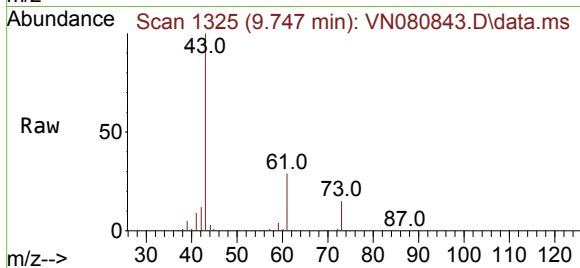
TP-37

Tgt Ion: 63 Resp: 645

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.410 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN080843.D

Acq: 31 Jan 2024 16:20

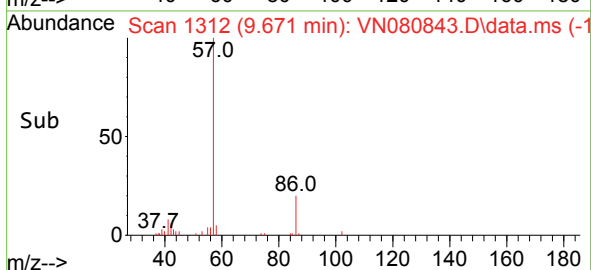
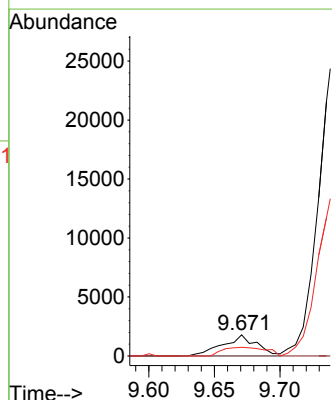
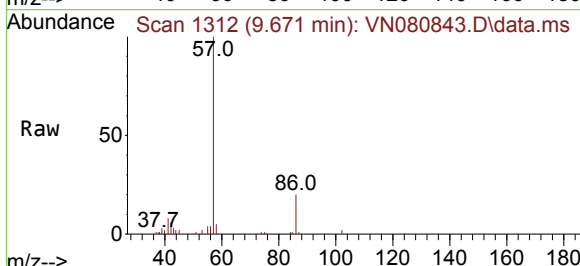
Tgt Ion: 41 Resp: 3223

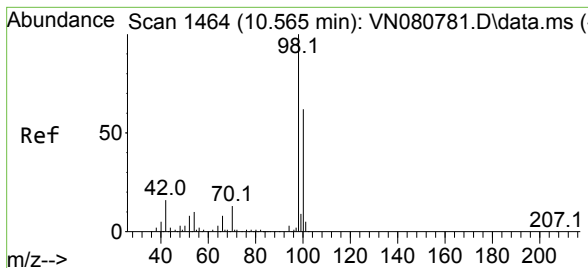
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 52.7 47.6 71.4

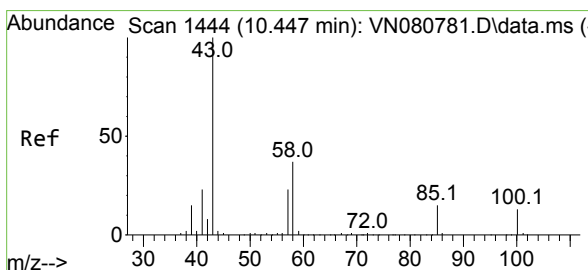
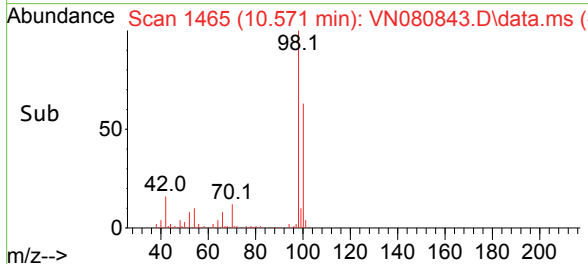
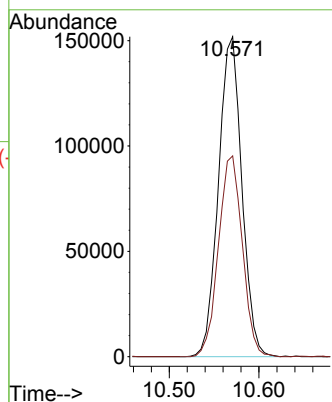
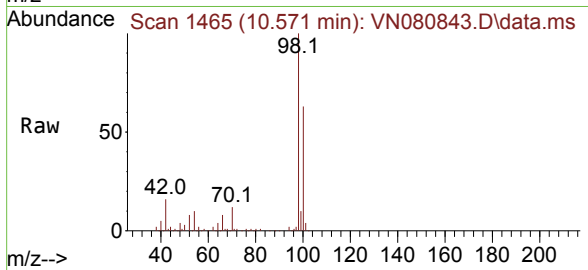




#50
Toluene-d8
Concen: 51.902 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

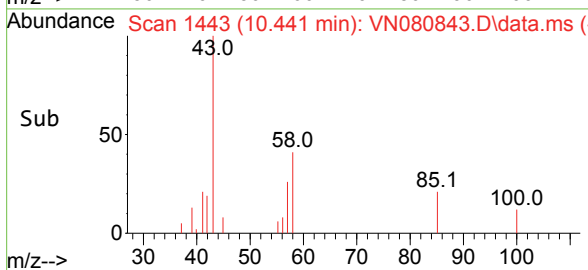
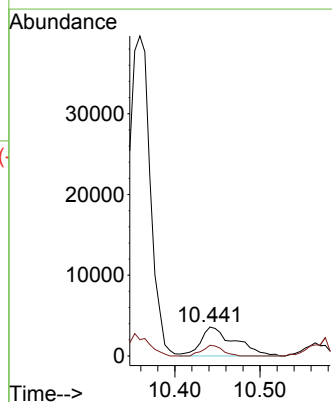
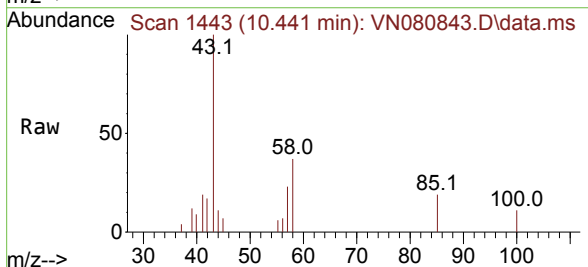
Instrument :
MSVOA_N
ClientSampleId :
TP-37

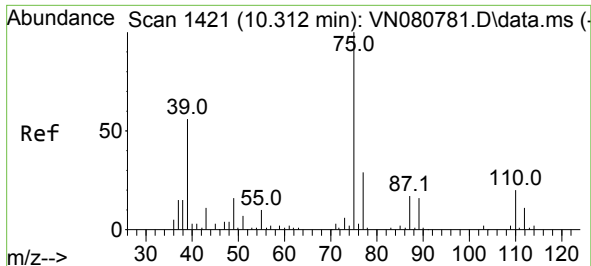
Tgt Ion: 98 Resp: 275035
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 3.775 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

Tgt Ion: 43 Resp: 9953
Ion Ratio Lower Upper
43 100
58 21.9 29.4 44.0#

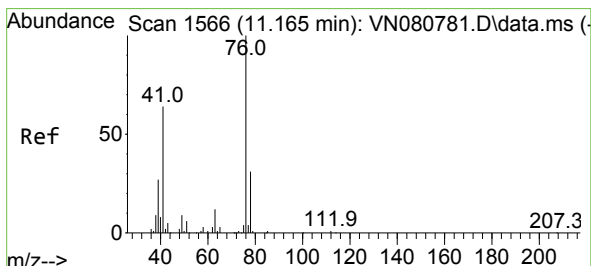
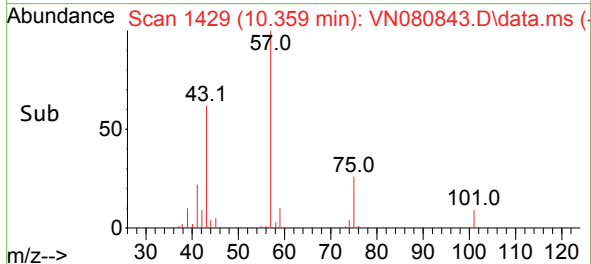
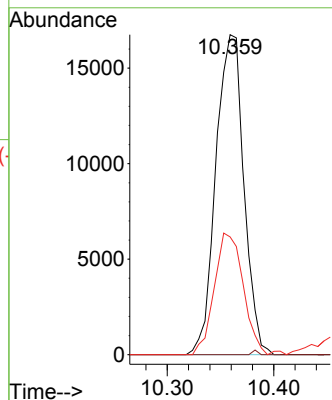
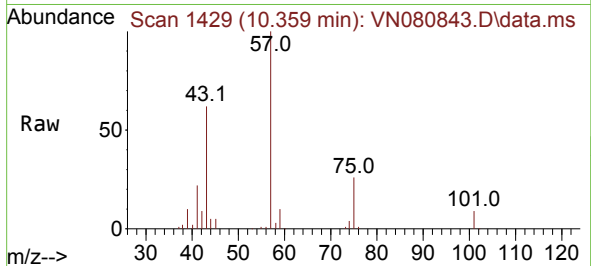




#54
cis-1,3-Dichloropropene
Concen: 10.014 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

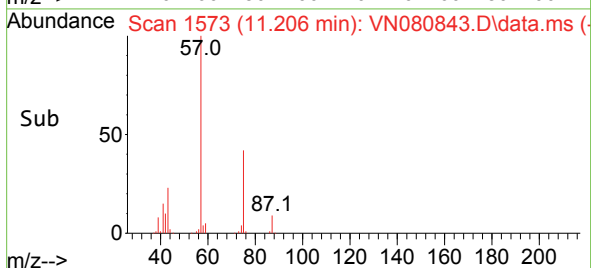
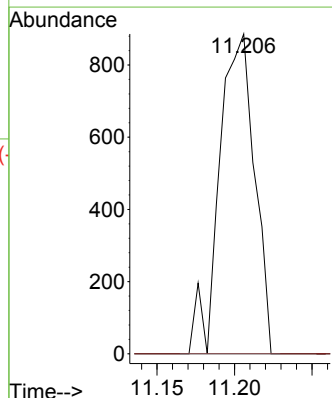
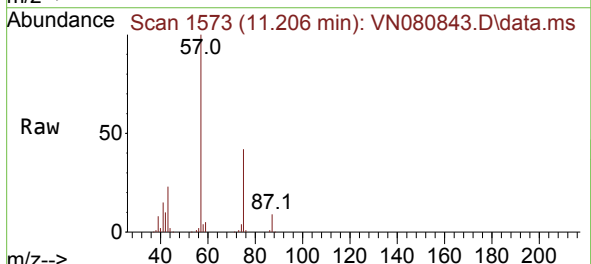
Instrument :
MSVOA_N
ClientSampleId :
TP-37

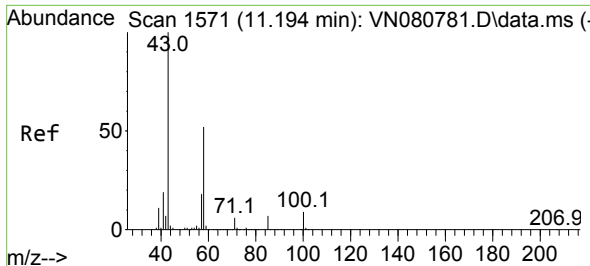
Tgt Ion: 75 Resp: 30560
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 35.7 44.6 66.8#



#57
1,3-Dichloropropane
Concen: 0.455 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

Tgt Ion: 76 Resp: 1397
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

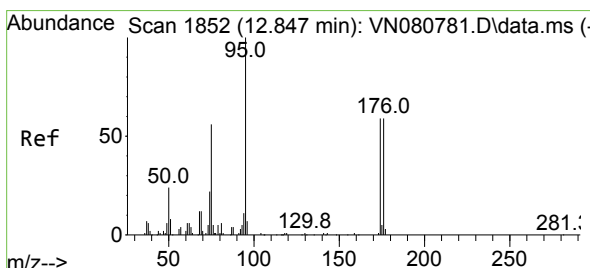
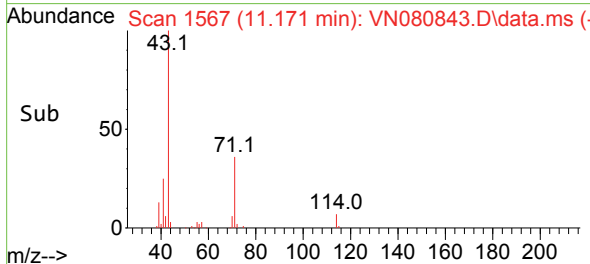
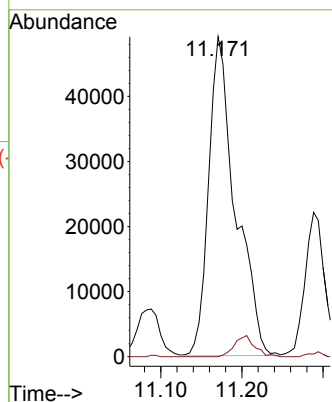
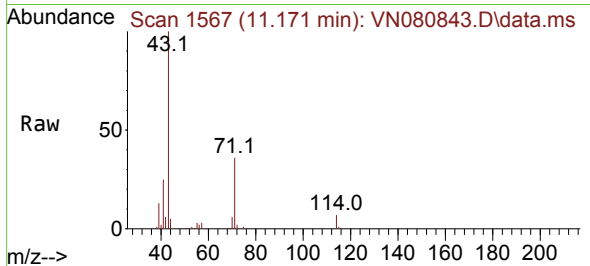




#59
2-Hexanone
Concen: 55.035 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

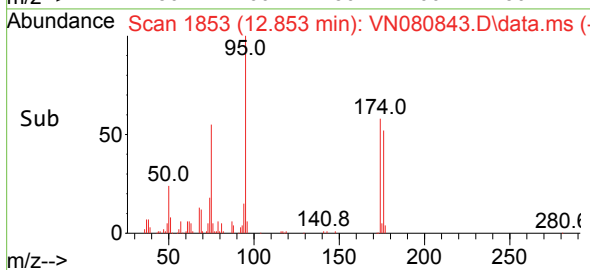
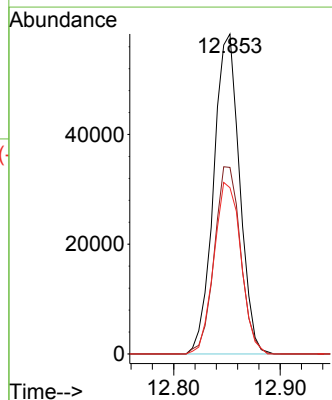
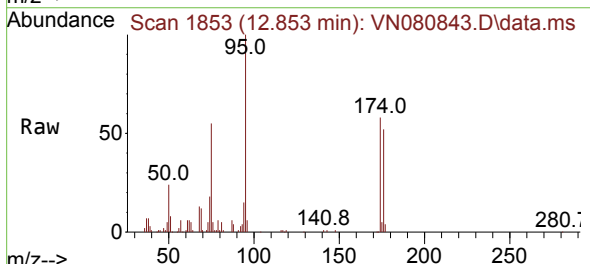
Instrument :
MSVOA_N
ClientSampleId :
TP-37

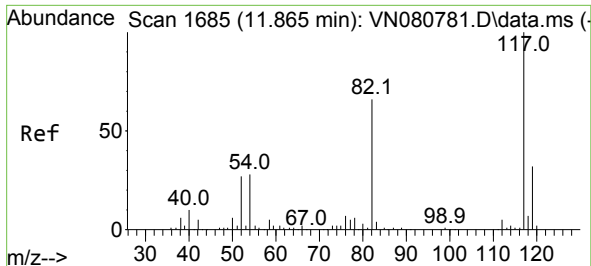
Tgt Ion: 43 Resp: 112712
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 53.345 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

Tgt Ion: 95 Resp: 98506
Ion Ratio Lower Upper
95 100
174 59.3 0.0 120.4
176 55.9 0.0 121.0

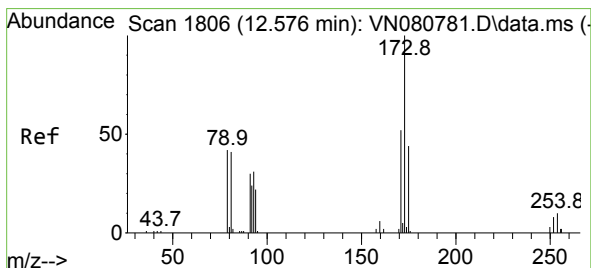
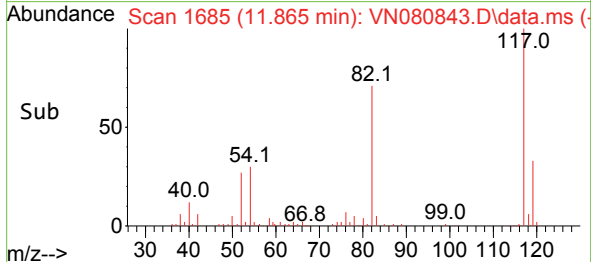
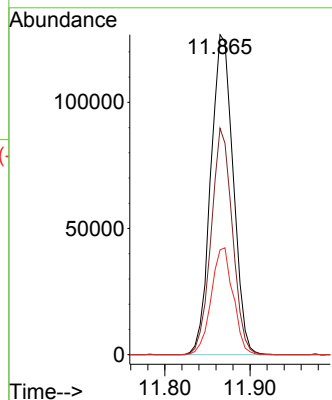
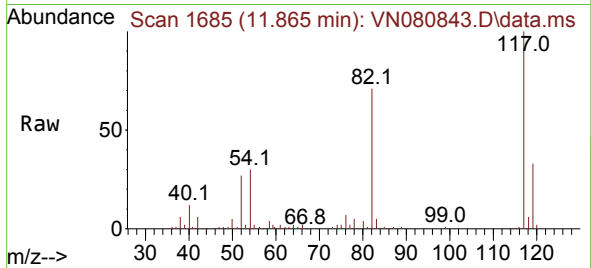




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

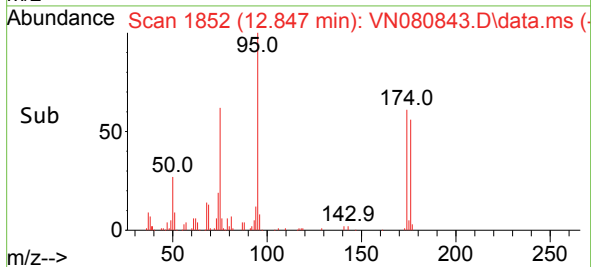
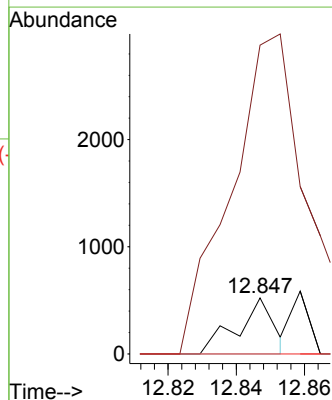
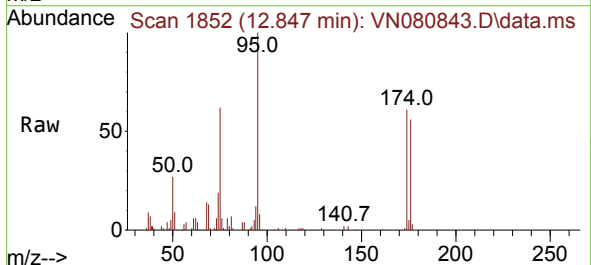
Instrument :
MSVOA_N
ClientSampleId :
TP-37

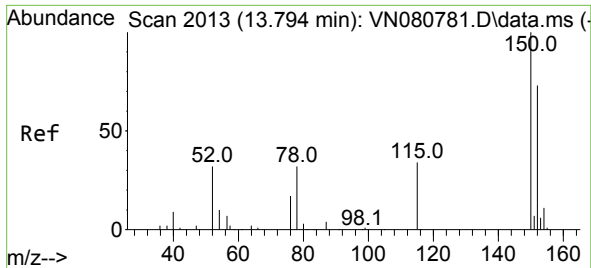
Tgt Ion:117 Resp: 231745
Ion Ratio Lower Upper
117 100
82 70.7 52.7 79.1
119 32.7 25.3 37.9



#71
Bromoform
Concen: 0.352 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN080843.D
Acq: 31 Jan 2024 16:20

Tgt Ion:173 Resp: 391
Ion Ratio Lower Upper
173 100
175 0.0 23.1 69.2#
254 0.0 0.0 0.0

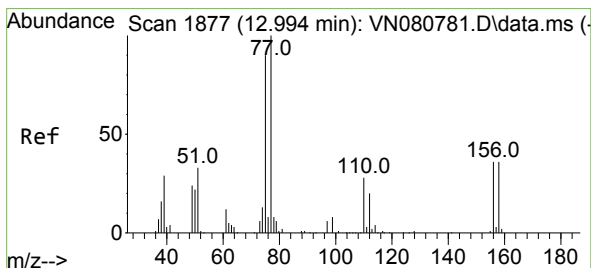
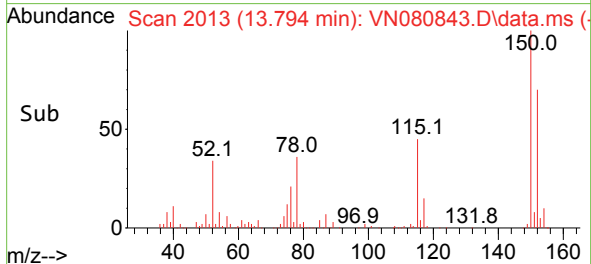
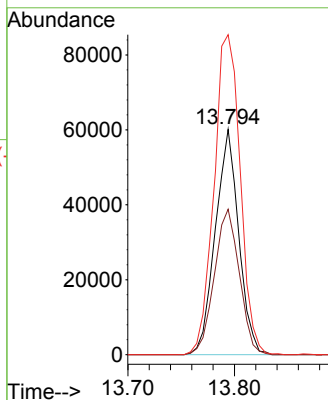
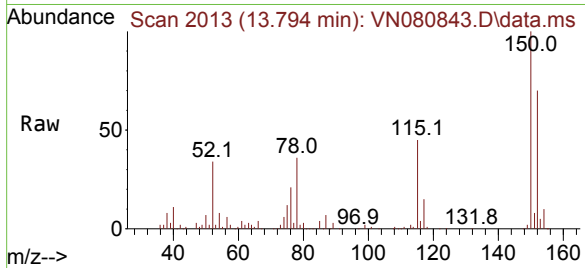




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN080843.D
 Acq: 31 Jan 2024 16:20

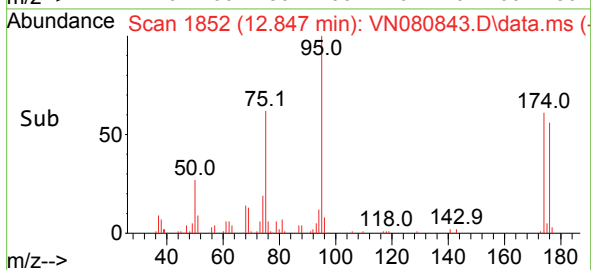
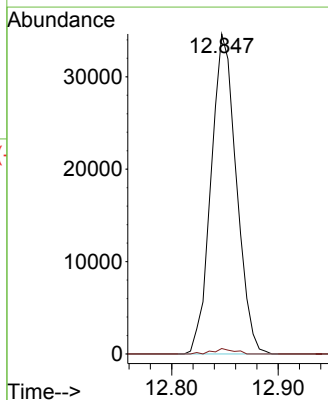
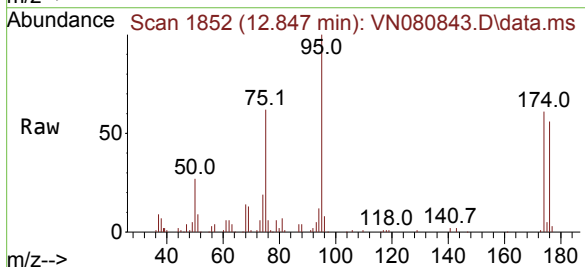
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-37

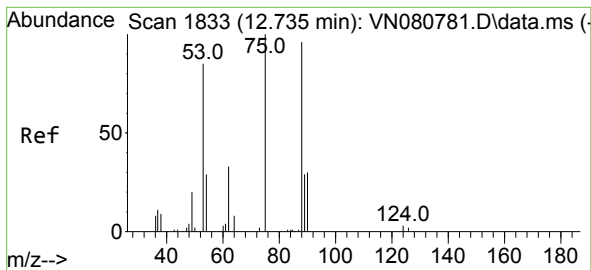
Tgt Ion:152 Resp: 91595
 Ion Ratio Lower Upper
 152 100
 115 69.0 32.3 96.8
 150 159.1 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 20.704 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080843.D
 Acq: 31 Jan 2024 16:20

Tgt Ion: 75 Resp: 57196
 Ion Ratio Lower Upper
 75 100
 77 1.4 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.338 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080843.D
 Acq: 31 Jan 2024 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-37

Tgt Ion: 75 Resp: 57196
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.1 33.4 50.0#

