

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081725.D
 Acq On : 12 Apr 2024 18:07
 Operator : JC\MD
 Sample : PB160181TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 07:00:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

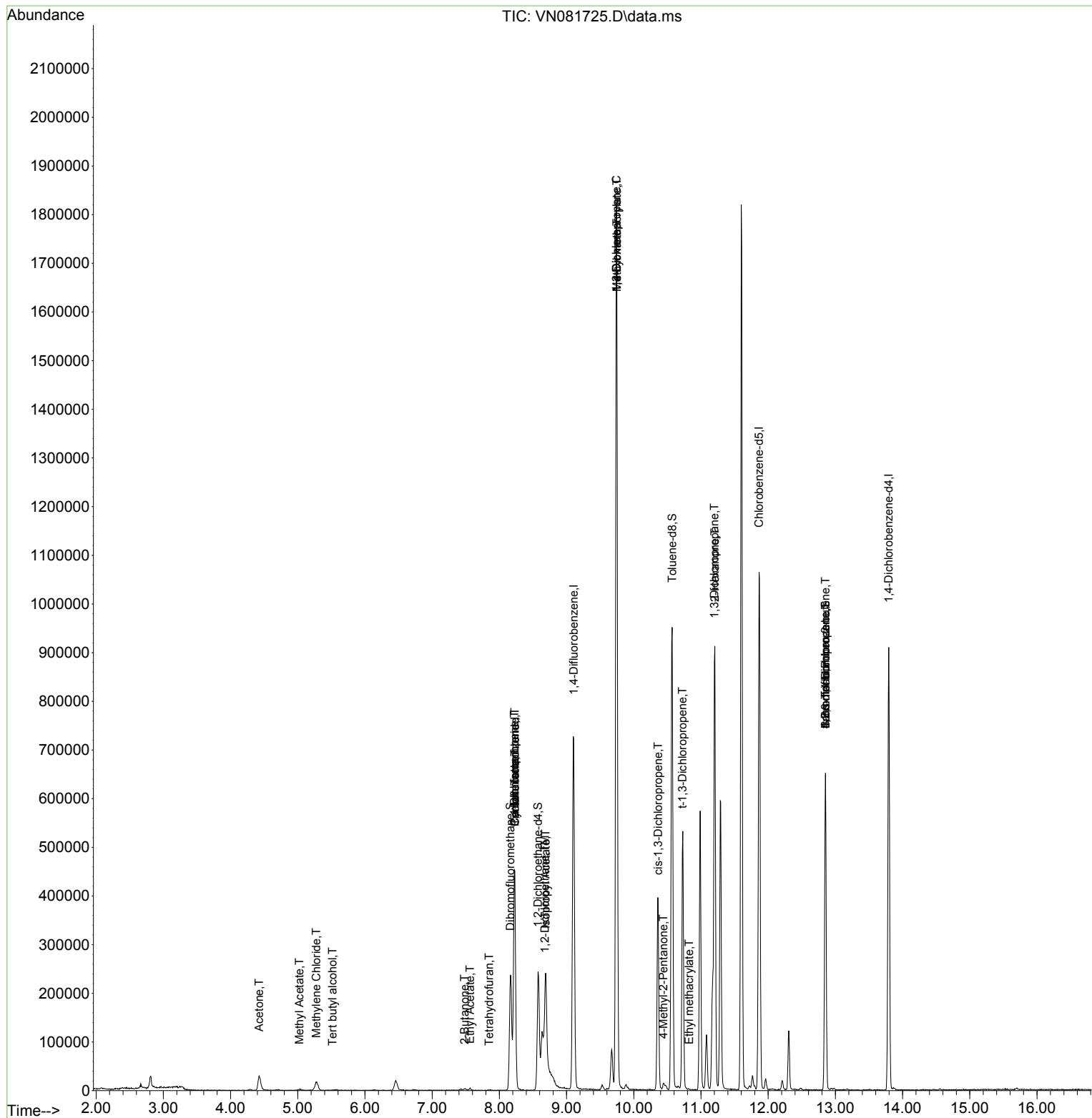
Internal Standards						
1) Pentafluorobenzene	8.230	168	319472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	631153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	631787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	240328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	199370	48.936	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.880%		
35) Dibromofluoromethane	8.165	113	167532	42.059	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.120%		
50) Toluene-d8	10.571	98	668990	46.461	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.920%		
62) 4-Bromofluorobenzene	12.853	95	217822	42.932	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	85.860%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	477	0.672	ug/l #	72
16) Acetone	4.424	43	53450	40.595	ug/l	100
18) Methyl Acetate	5.024	43	2735	0.674	ug/l	95
20) Methylene Chloride	5.277	84	14474	3.356	ug/l #	69
25) 2-Butanone	7.483	43	5814	2.574	ug/l	96
29) Tetrahydrofuran	7.847	42	502	0.330	ug/l #	47
31) Cyclohexane	8.230	56	7879	1.188	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	26706	3.984	ug/l #	51
37) Ethyl Acetate	7.565	43	4392	0.765	ug/l	95
38) Carbon Tetrachloride	8.230	117	33347	4.541	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	2407	0.349	ug/l #	75
43) Isopropyl Acetate	8.688	43	329598	34.641	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	2910	0.613	ug/l #	42
48) Methyl methacrylate	9.747	41	167513	38.170	ug/l #	49
49) 1,4-Dioxane	9.747	88	259	2.456	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	6827	1.176	ug/l #	71
53) t-1,3-Dichloropropene	10.724	75	1865	0.245	ug/l #	82
54) cis-1,3-Dichloropropene	10.365	75	71638	8.774	ug/l #	61
56) Ethyl methacrylate	10.824	69	232	0.604	ug/l #	20
57) 1,3-Dichloropropane	11.200	76	10847	1.320	ug/l #	43
59) 2-Hexanone	11.206	43	114617	26.702	ug/l #	59
71) Bromoform	12.853	173	1097	0.264	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	114828	19.974	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	114828	53.977	ug/l #	14

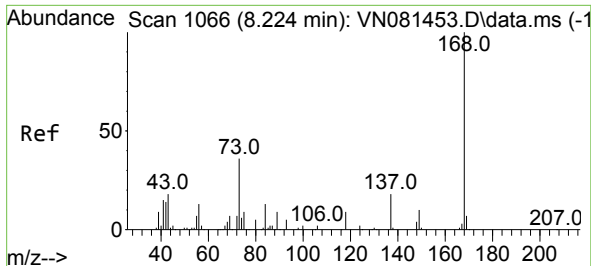
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
Data File : VN081725.D
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MSVOA_N
ClientSampleId :

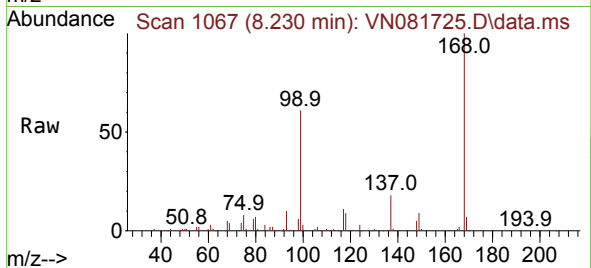
Quant Time: Apr 13 07:00:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
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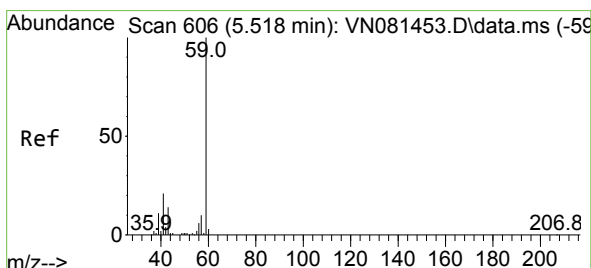
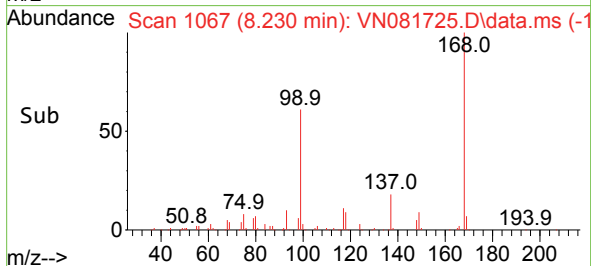
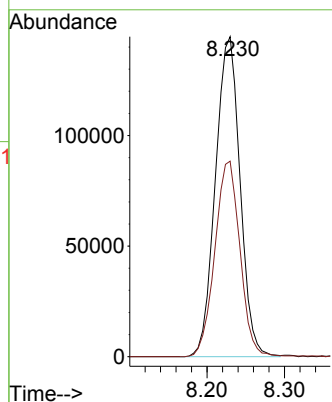


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

Instrument :
MSVOA_N
ClientSampleId :

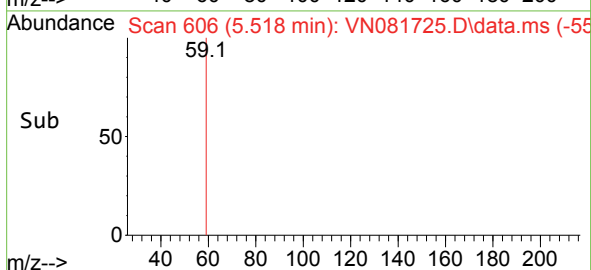
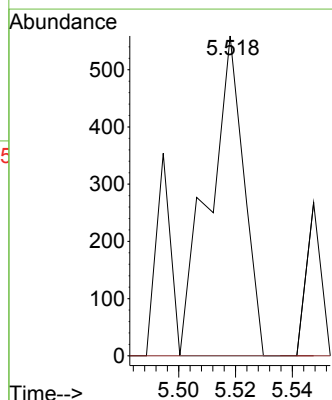
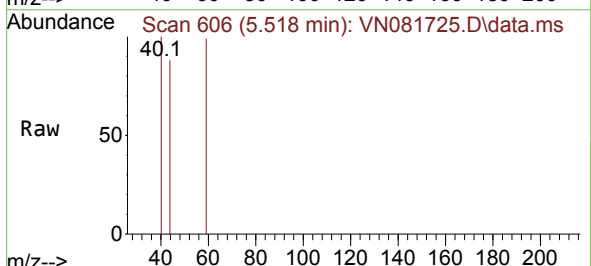


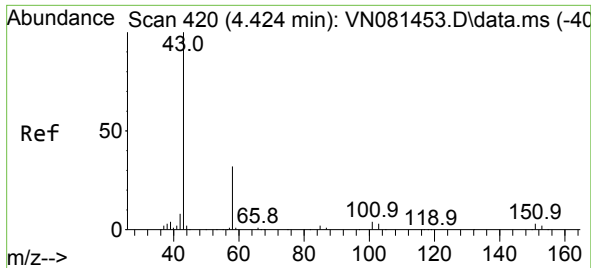
Tgt Ion:168 Resp: 319472
Ion Ratio Lower Upper
168 100
99 61.1 59.9 89.9



#11
Tert butyl alcohol
Concen: 0.672 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

Tgt Ion: 59 Resp: 477
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

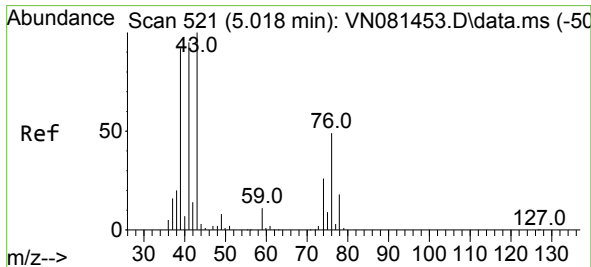
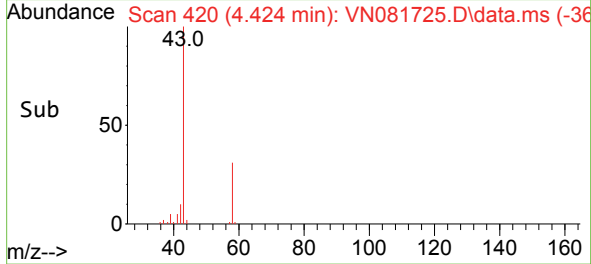
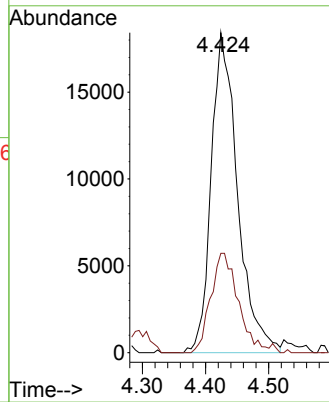
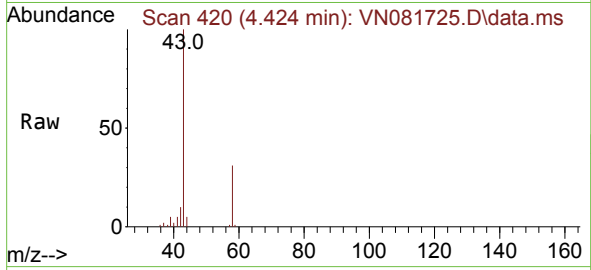




#16
Acetone
Concen: 40.595 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

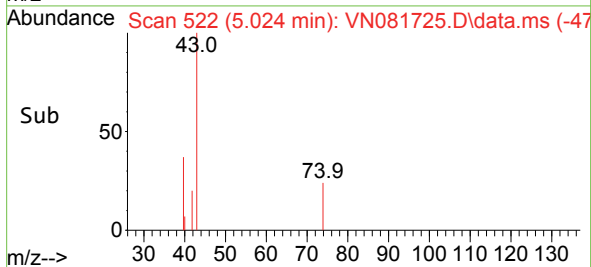
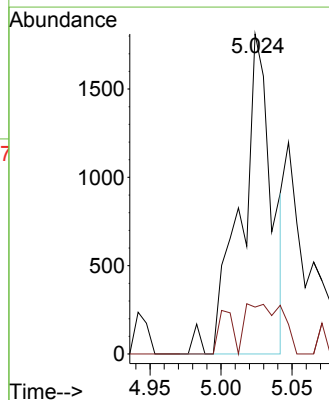
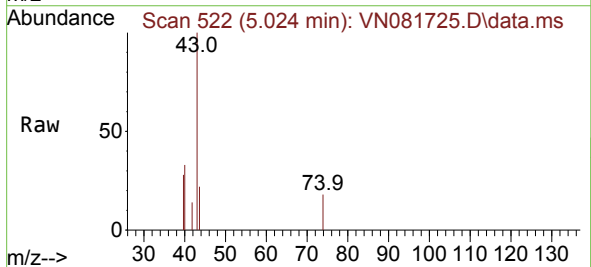
Instrument :
MSVOA_N
ClientSampleId :

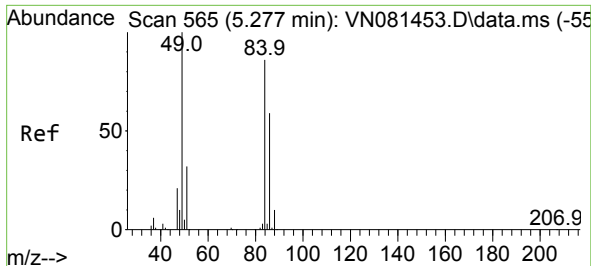
Tgt Ion: 43 Resp: 53450
Ion Ratio Lower Upper
43 100
58 31.1 24.8 37.2



#18
Methyl Acetate
Concen: 0.674 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

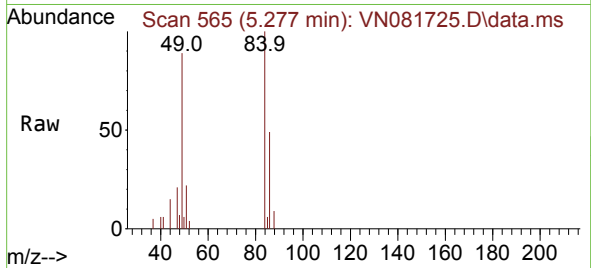
Tgt Ion: 43 Resp: 2735
Ion Ratio Lower Upper
43 100
74 19.3 17.3 25.9



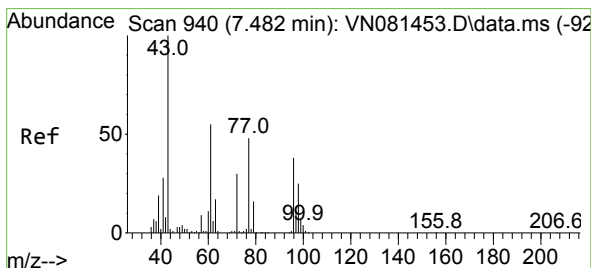
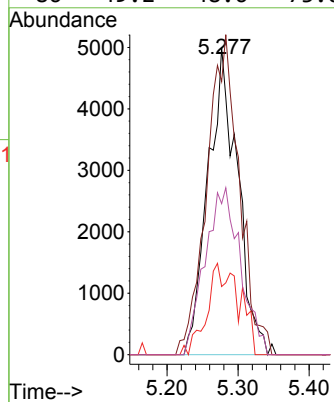
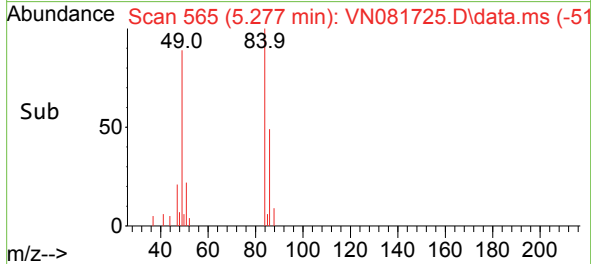


#20
Methylene Chloride
Concen: 3.356 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

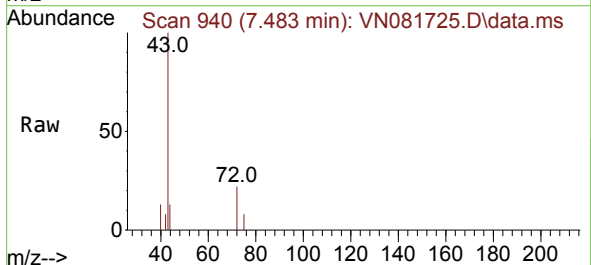
Instrument :
MSVOA_N
ClientSampleId :



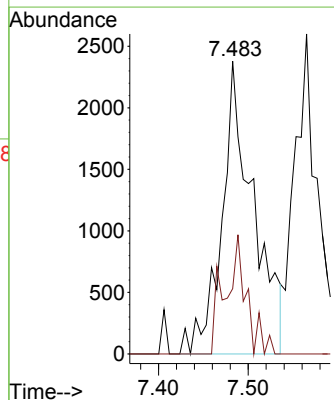
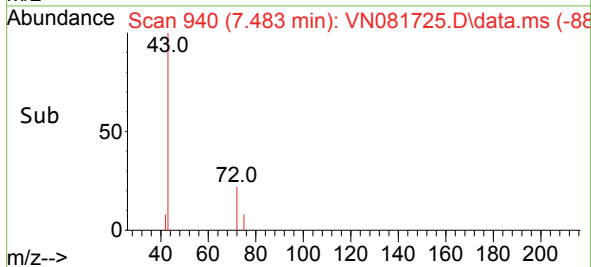
Tgt Ion: 84 Resp: 14474
Ion Ratio Lower Upper
84 100
49 88.9 108.1 162.1#
51 22.2 32.9 49.3#
86 49.2 48.6 73.0

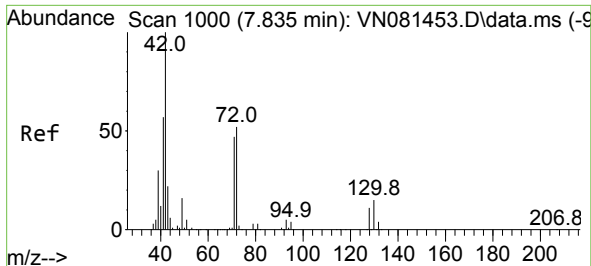


#25
2-Butanone
Concen: 2.574 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07



Tgt Ion: 43 Resp: 5814
Ion Ratio Lower Upper
43 100
72 22.3 19.5 29.3





#29

Tetrahydrofuran

Concen: 0.330 ug/l

RT: 7.847 min Scan# 1

Delta R.T. 0.012 min

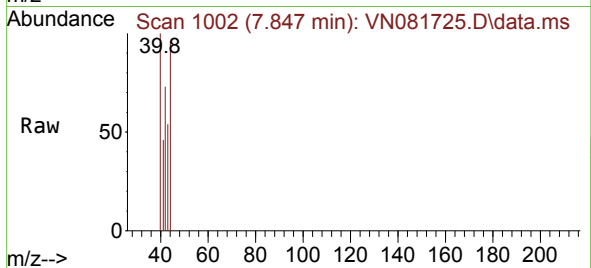
Lab File: VN081725.D

Acq: 12 Apr 2024 18:07

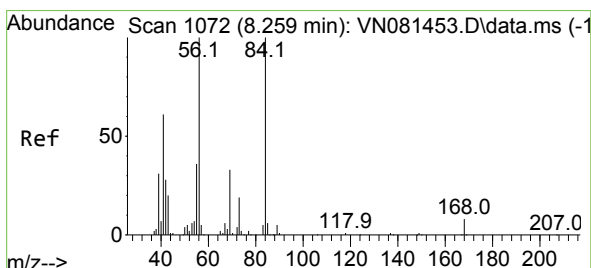
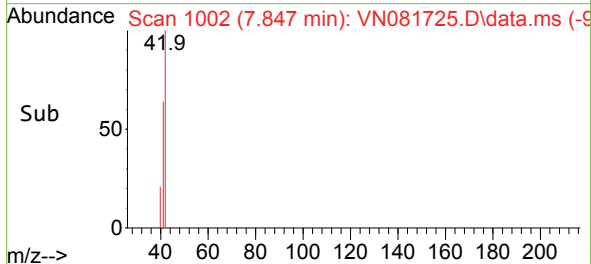
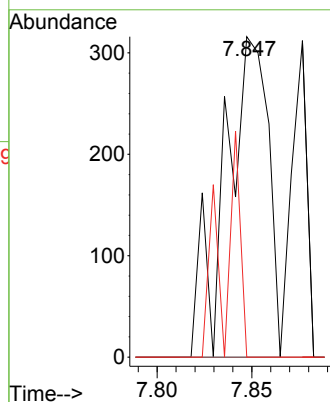
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 502
Ion Ratio	Lower Upper
42	100
72	0.0 31.1 46.7#
71	12.0 28.3 42.5#



#31

Cyclohexane

Concen: 1.188 ug/l

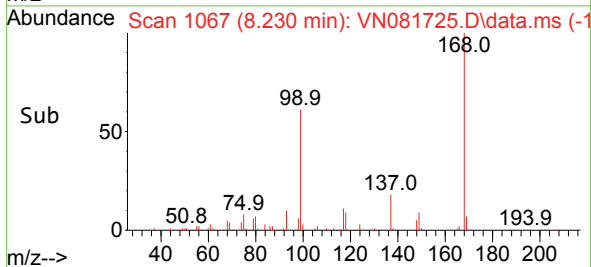
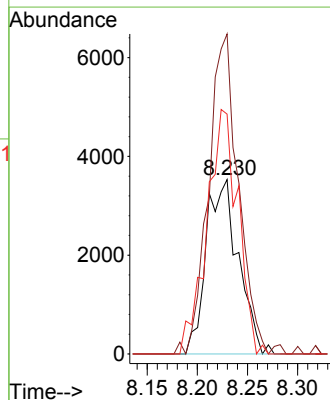
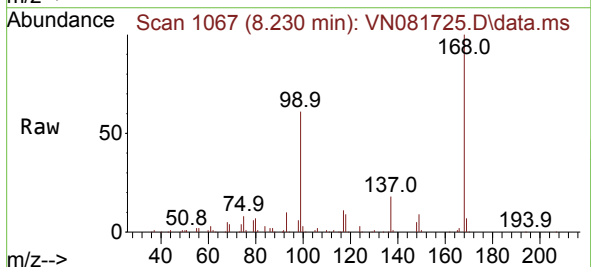
RT: 8.230 min Scan# 1067

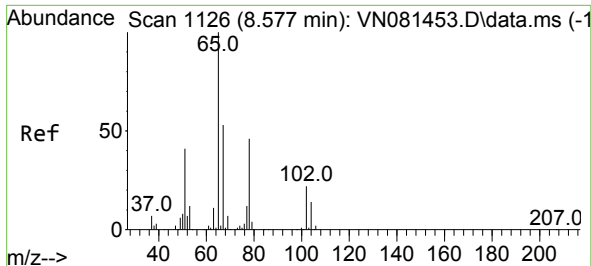
Delta R.T. -0.029 min

Lab File: VN081725.D

Acq: 12 Apr 2024 18:07

Tgt Ion: 56	Resp: 7879
Ion Ratio	Lower Upper
56	100
69	178.1 20.1 30.1#
84	137.5 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 48.936 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081725.D

Acq: 12 Apr 2024 18:07

Instrument :

MSVOA_N

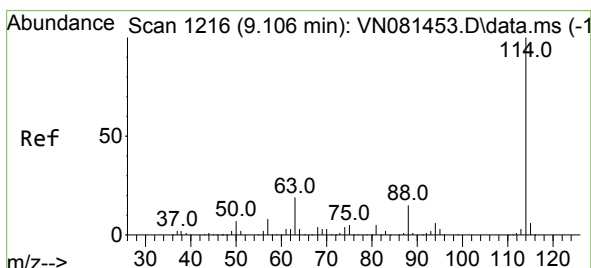
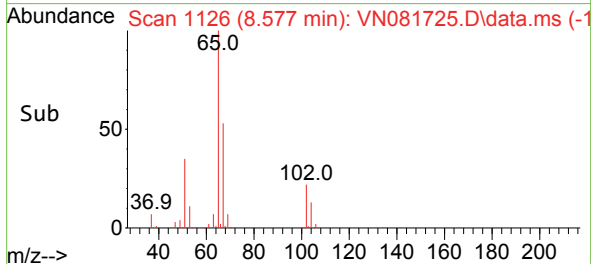
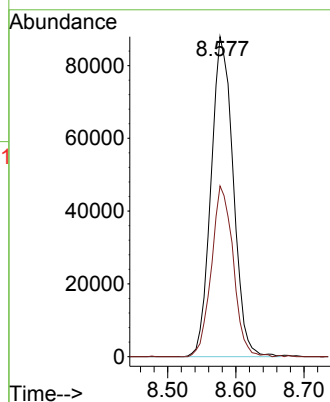
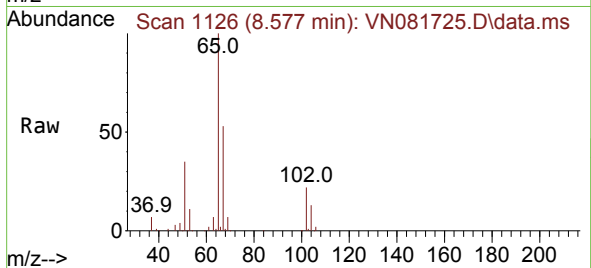
ClientSampleId :

Tgt Ion: 65 Resp: 199370

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN081725.D

Acq: 12 Apr 2024 18:07

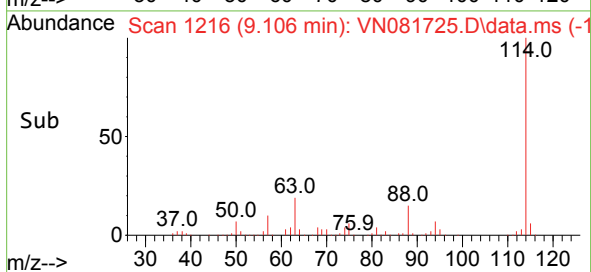
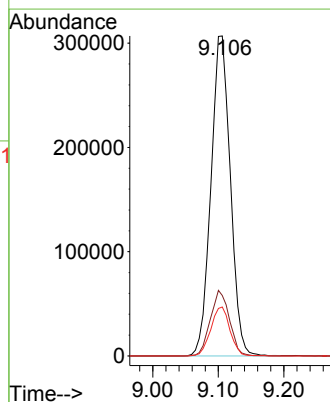
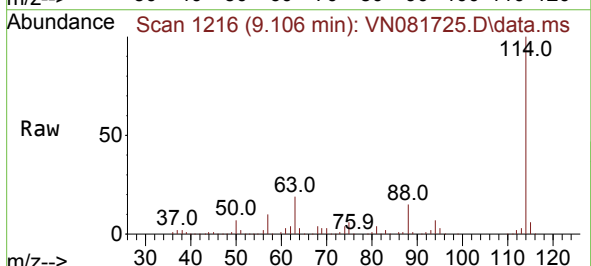
Tgt Ion: 114 Resp: 631153

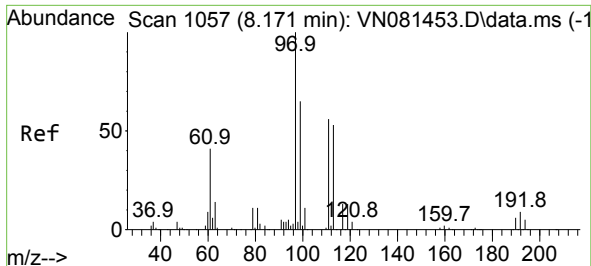
Ion Ratio Lower Upper

114 100

63 18.9 0.0 48.0

88 15.3 0.0 34.8

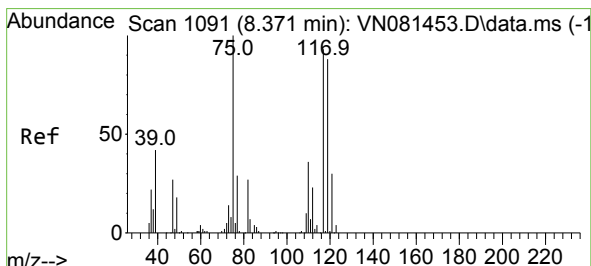
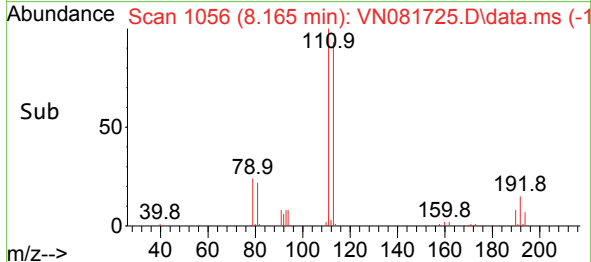
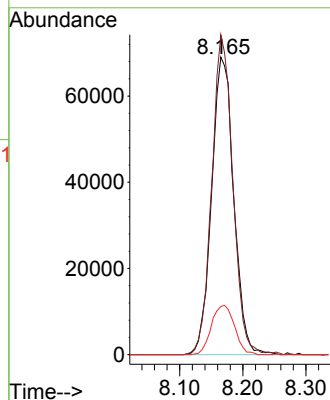
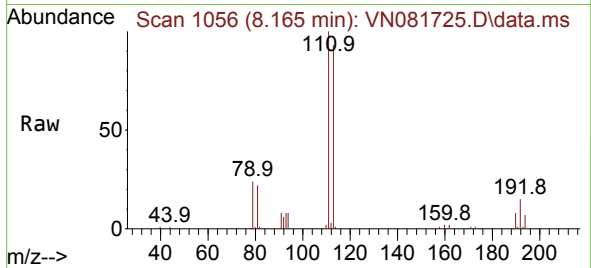




#35
Dibromofluoromethane
Concen: 42.059 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

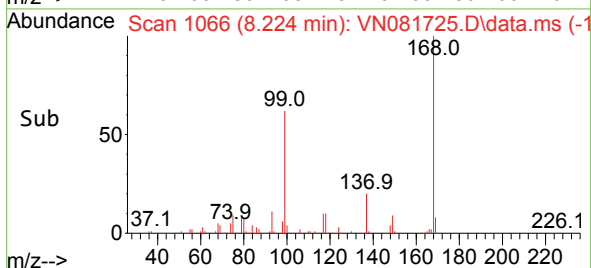
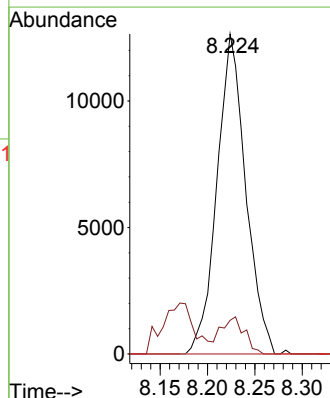
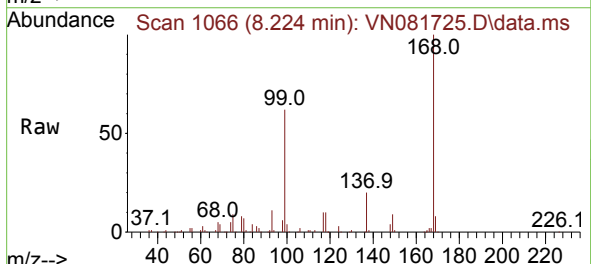
Instrument :
MSVOA_N
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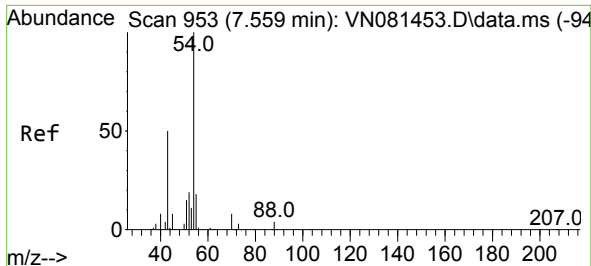
Tgt Ion:113 Resp: 167532
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 17.4 12.5 18.7



#36
1,1-Dichloropropene
Concen: 3.984 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

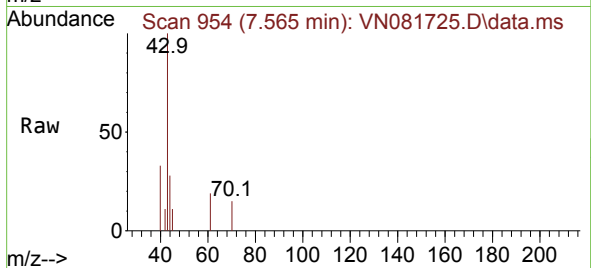
Tgt Ion: 75 Resp: 26706
Ion Ratio Lower Upper
75 100
110 9.3 16.0 48.0#
77 0.0 25.8 38.6#



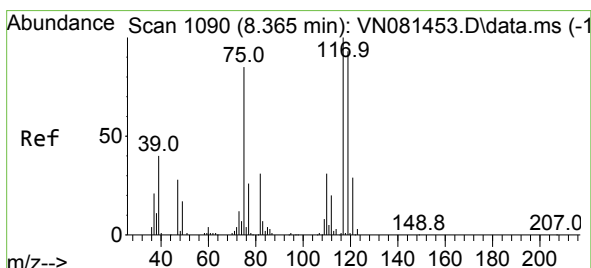
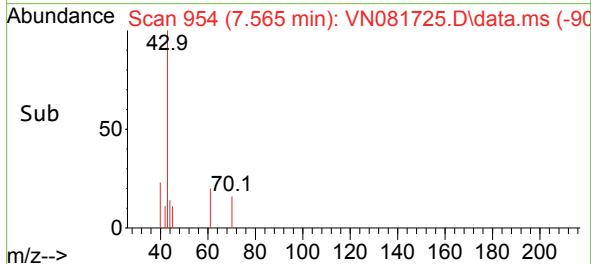
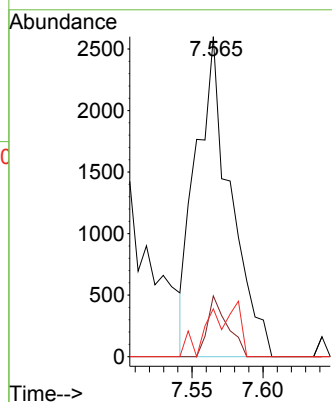


#37
Ethyl Acetate
Concen: 0.765 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

Instrument :
MSVOA_N
ClientSampleId :

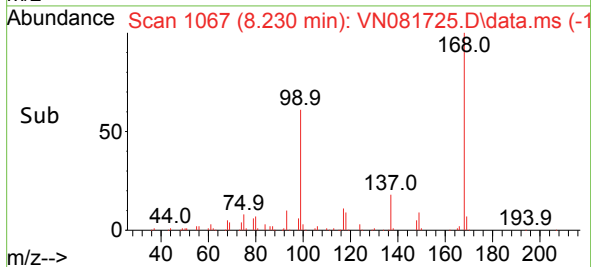
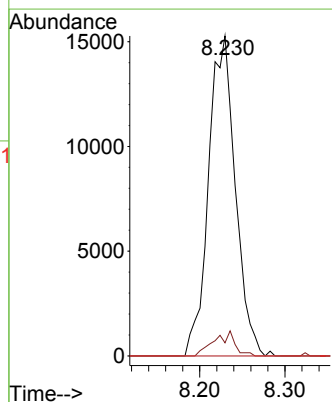
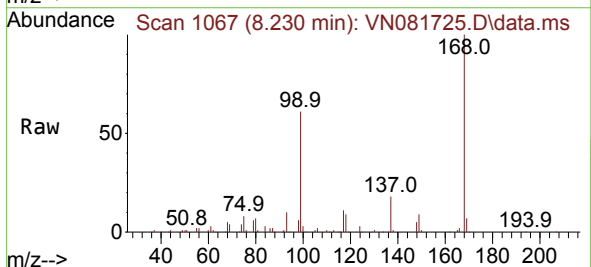


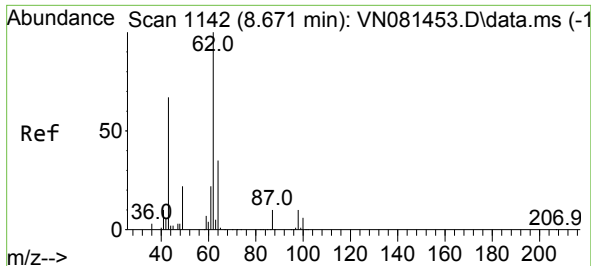
Tgt Ion: 43 Resp: 4392
Ion Ratio Lower Upper
43 100
61 11.0 10.6 15.8
70 8.6 8.0 12.0



#38
Carbon Tetrachloride
Concen: 4.541 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

Tgt Ion: 117 Resp: 33347
Ion Ratio Lower Upper
117 100
119 4.1 73.4 110.2#
121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.349 ug/l

RT: 8.677 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VN081725.D

Acq: 12 Apr 2024 18:07

Instrument :

MSVOA_N

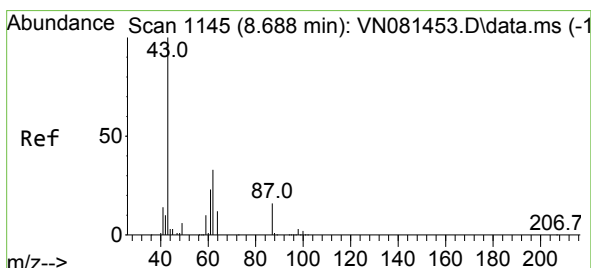
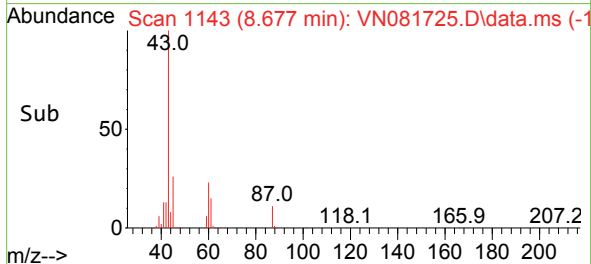
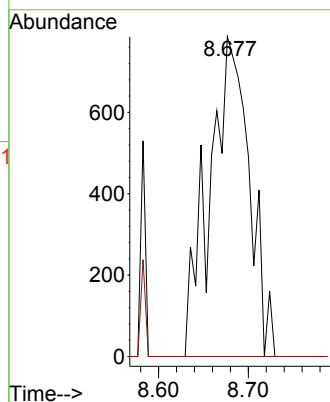
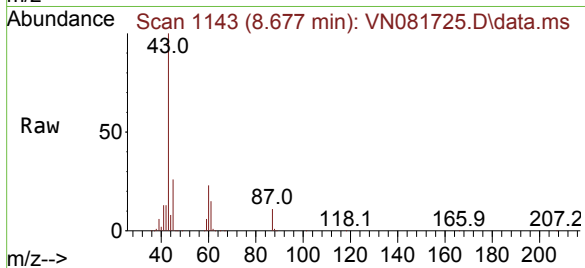
ClientSampleId :

Tgt Ion: 62 Resp: 2407

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 34.641 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN081725.D

Acq: 12 Apr 2024 18:07

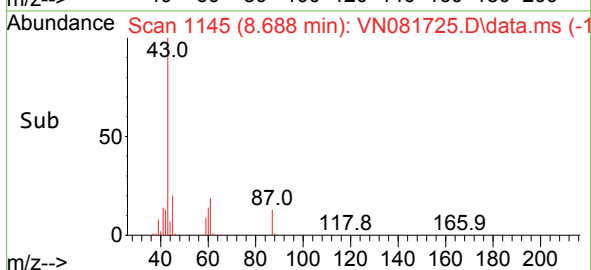
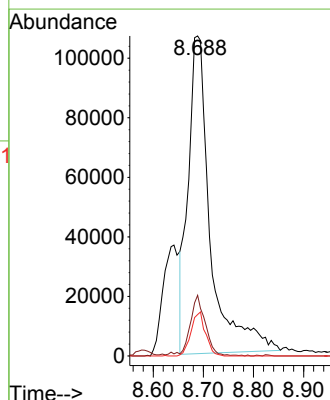
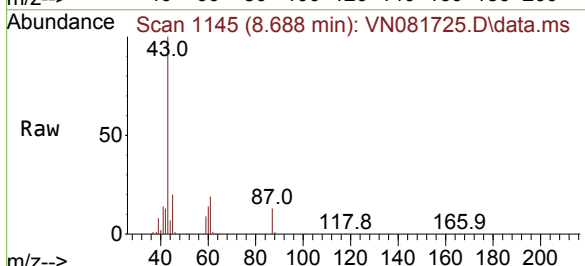
Tgt Ion: 43 Resp: 329598

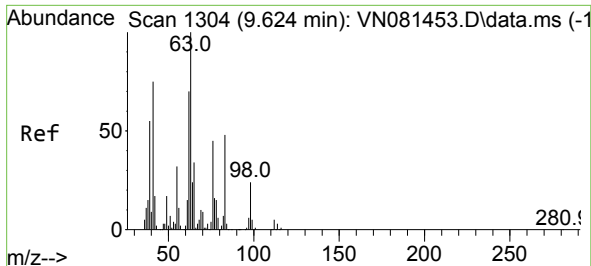
Ion Ratio Lower Upper

43 100

61 13.0 19.9 29.9#

87 9.0 9.0 13.6#





#45

1,2-Dichloropropane

Concen: 0.613 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

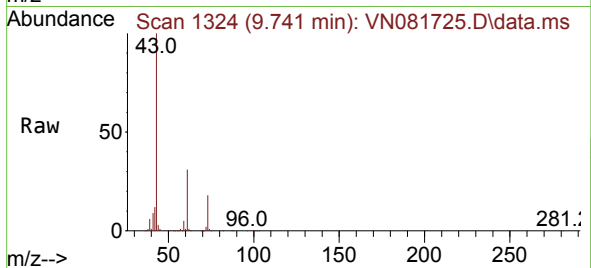
Lab File: VN081725.D

Acq: 12 Apr 2024 18:07

Instrument :

MSVOA_N

ClientSampleId :

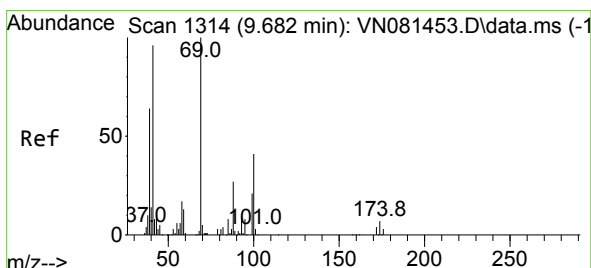
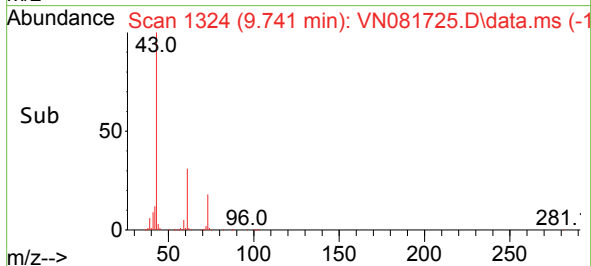
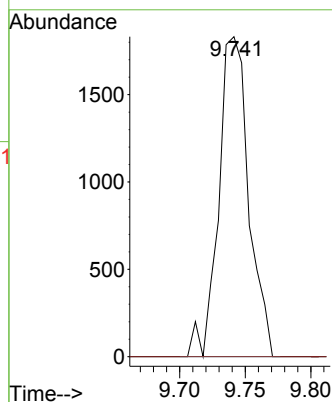


Tgt Ion: 63 Resp: 2910

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 38.170 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN081725.D

Acq: 12 Apr 2024 18:07

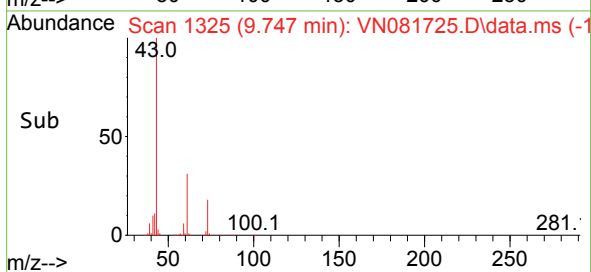
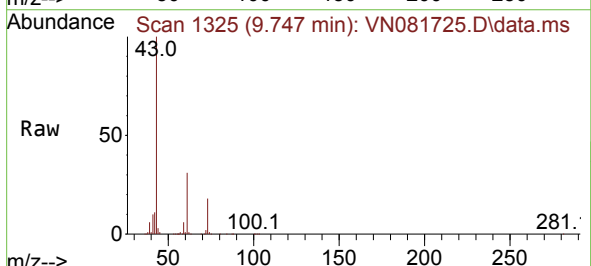
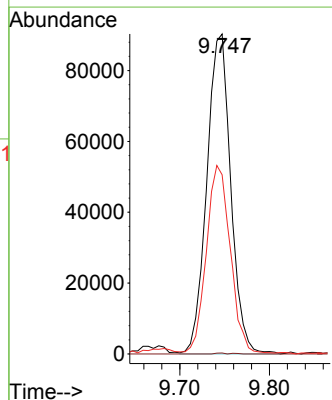
Tgt Ion: 41 Resp: 167513

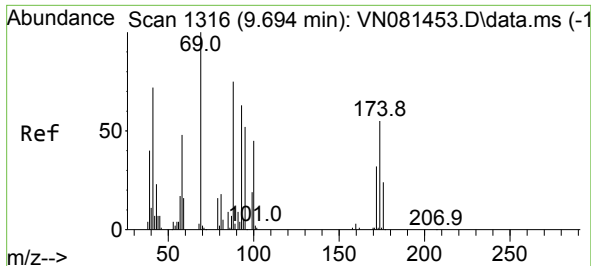
Ion Ratio Lower Upper

41 100

69 0.1 62.2 93.2#

39 58.5 47.6 71.4

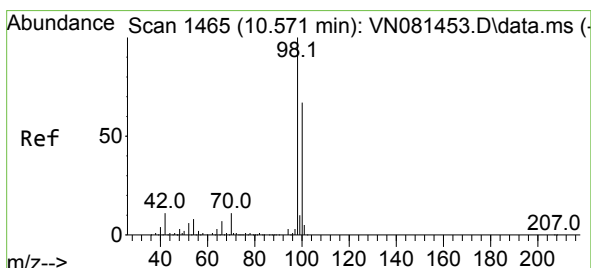
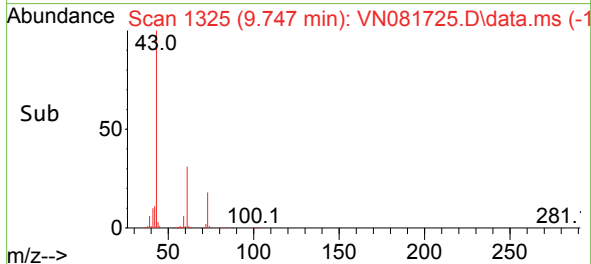
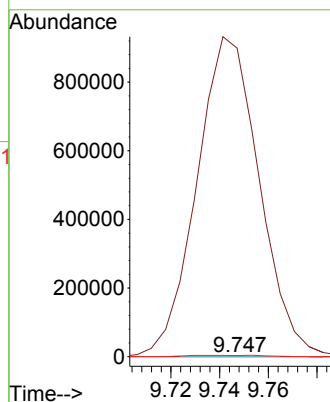
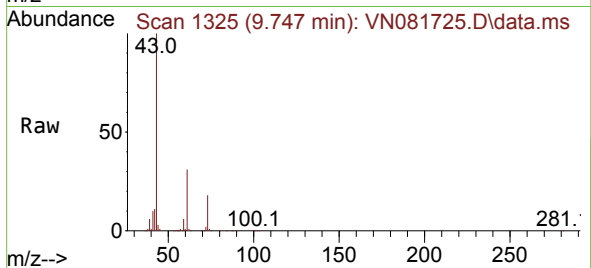




#49
1,4-Dioxane
Concen: 2.456 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

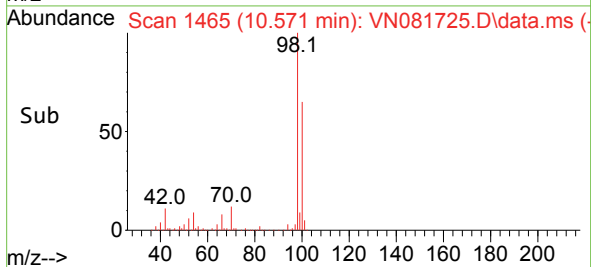
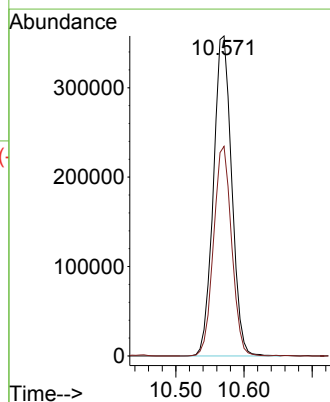
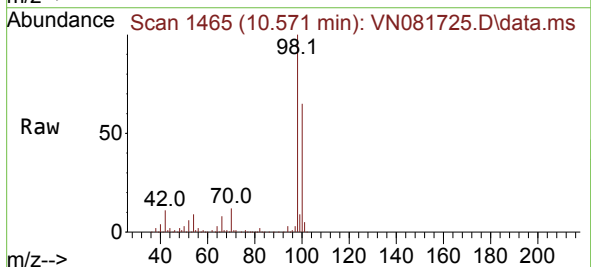
Instrument :
MSVOA_N
ClientSampleId :

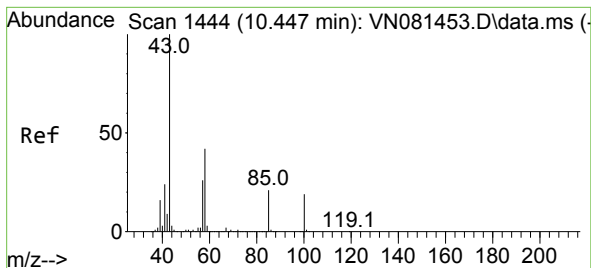
Tgt Ion: 88 Resp: 259
Ion Ratio Lower Upper
88 100
43 644323.6 30.1 45.1#
58 3579.5 63.9 95.9#



#50
Toluene-d8
Concen: 46.461 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

Tgt Ion: 98 Resp: 668990
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

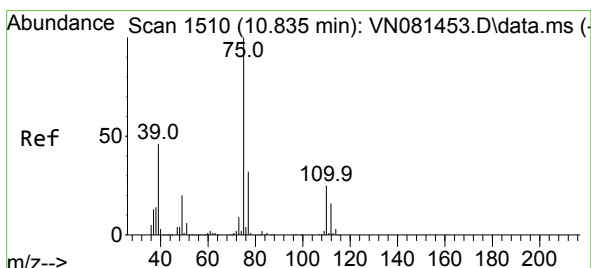
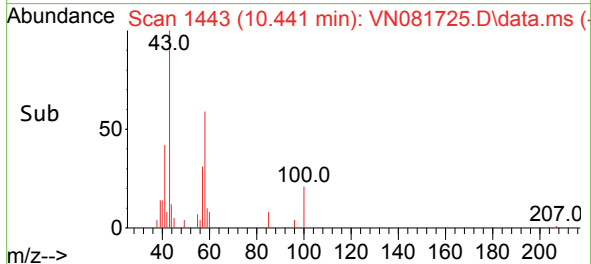
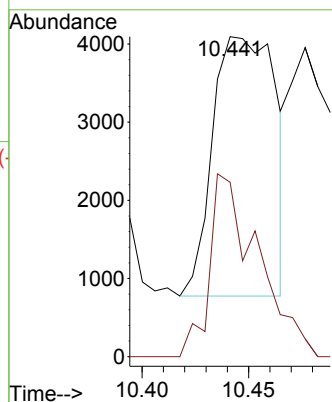
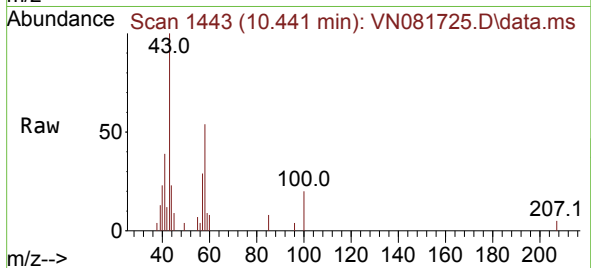




#51
4-Methyl-2-Pentanone
Concen: 1.176 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

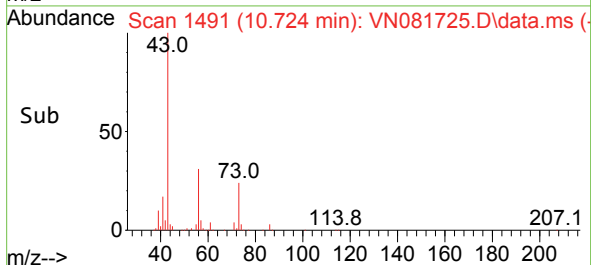
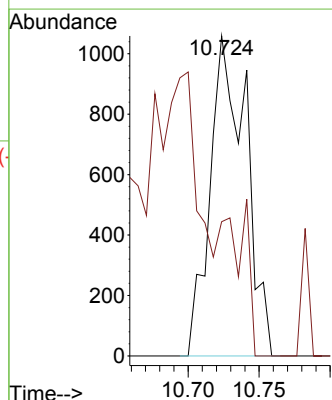
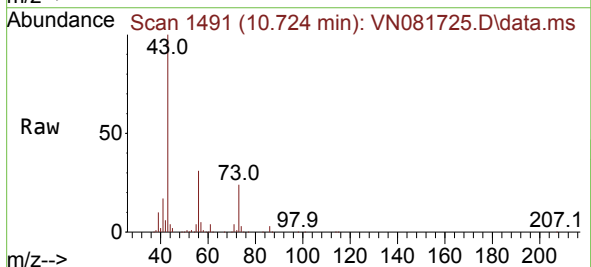
Instrument :
MSVOA_N
ClientSampleId :

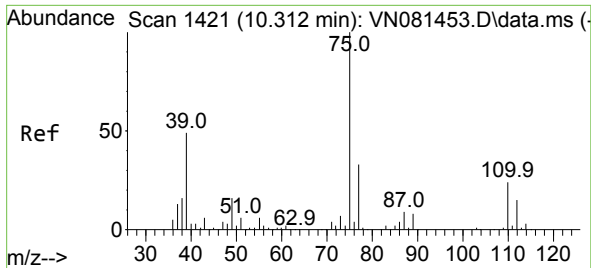
Tgt Ion: 43 Resp: 6827
Ion Ratio Lower Upper
43 100
58 53.9 29.4 44.0#



#53
t-1,3-Dichloropropene
Concen: 0.245 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

Tgt Ion: 75 Resp: 1865
Ion Ratio Lower Upper
75 100
77 41.9 25.5 38.3#

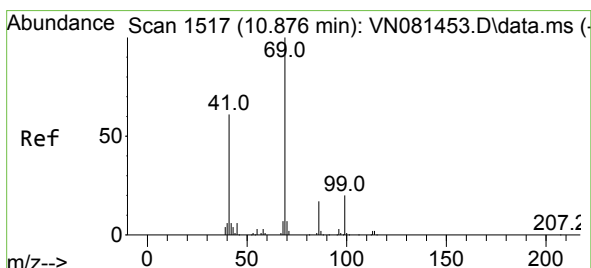
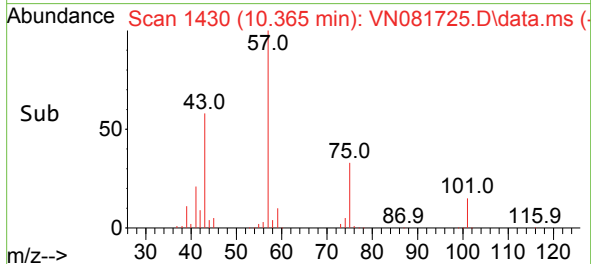
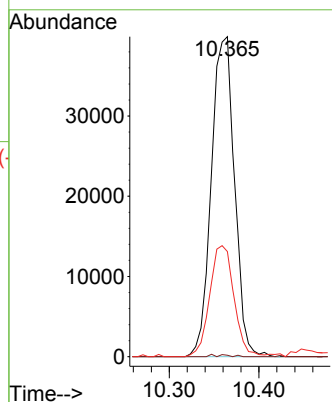
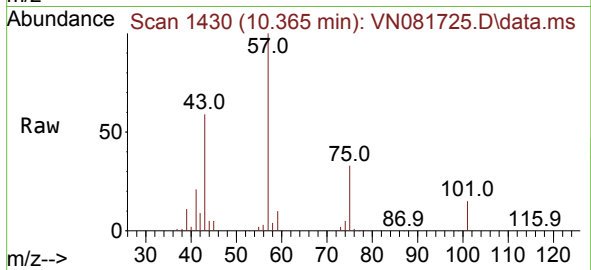




#54
 cis-1,3-Dichloropropene
 Concen: 8.774 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.053 min
 Lab File: VN081725.D
 Acq: 12 Apr 2024 18:07

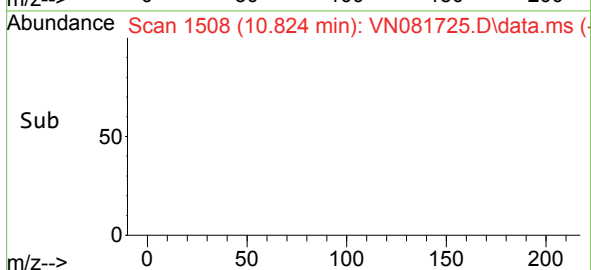
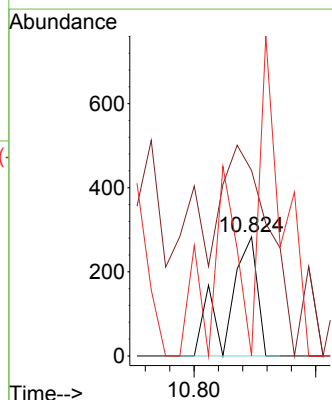
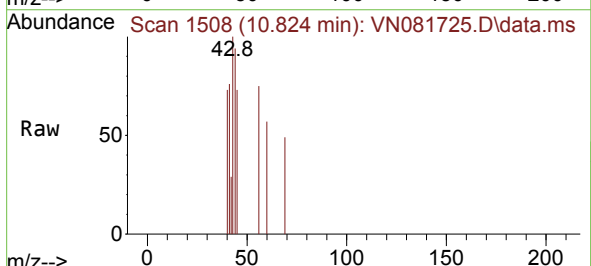
Instrument :
 MSVOA_N
 ClientSampleId :

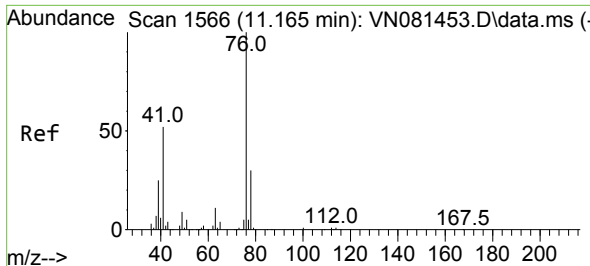
Tgt Ion: 75 Resp: 71638
 Ion Ratio Lower Upper
 75 100
 77 0.4 23.3 34.9#
 39 32.9 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 0.604 ug/l
 RT: 10.824 min Scan# 1508
 Delta R.T. -0.052 min
 Lab File: VN081725.D
 Acq: 12 Apr 2024 18:07

Tgt Ion: 69 Resp: 232
 Ion Ratio Lower Upper
 69 100
 41 0.0 61.0 91.6#
 39 0.0 31.8 47.6#

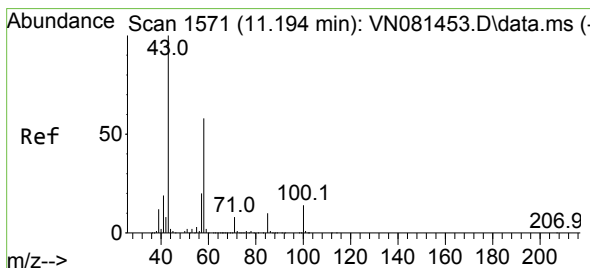
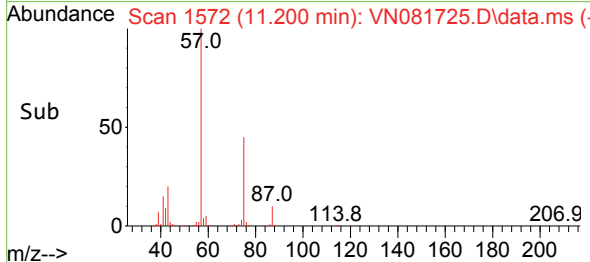
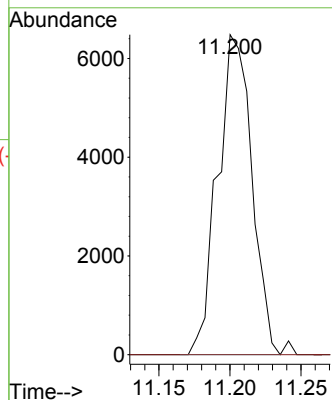
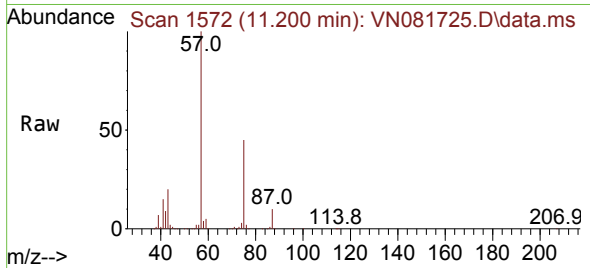




#57
1,3-Dichloropropane
Concen: 1.320 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

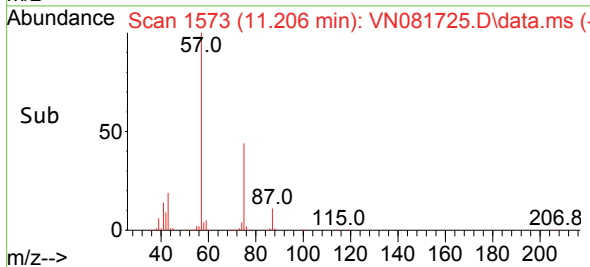
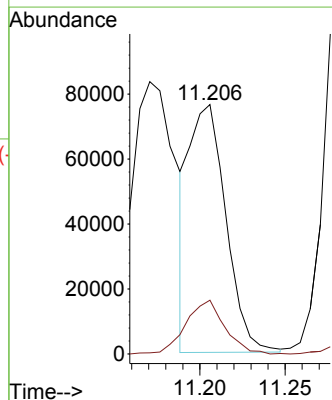
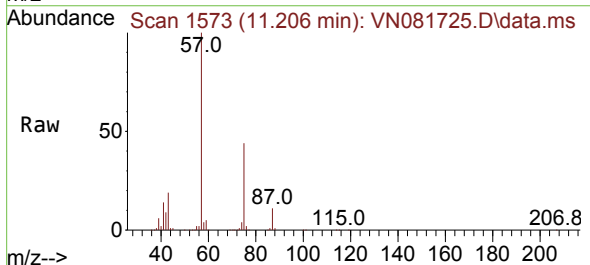
Instrument :
MSVOA_N
ClientSampleId :

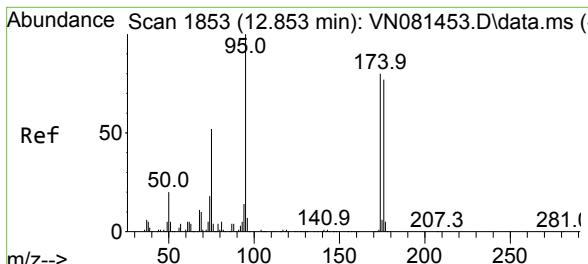
Tgt Ion: 76 Resp: 10847
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 26.702 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.012 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

Tgt Ion: 43 Resp: 114617
Ion Ratio Lower Upper
43 100
58 23.0 25.9 77.8#

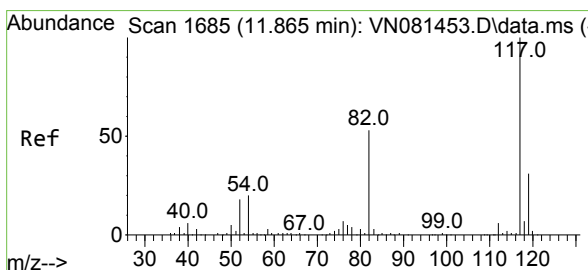
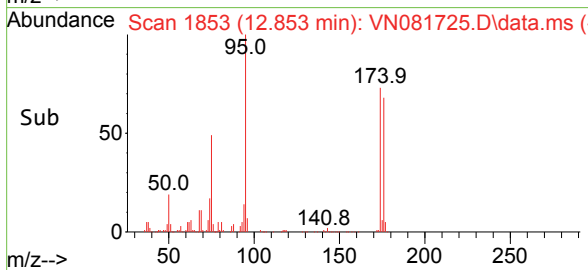
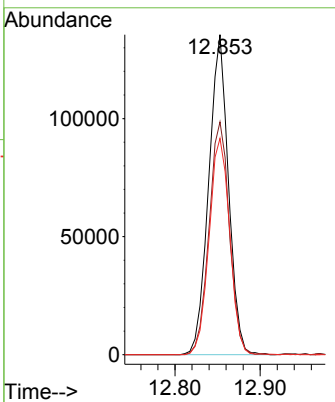
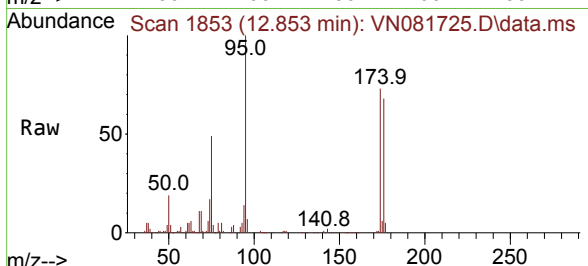




#62
 4-Bromofluorobenzene
 Concen: 42.932 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN081725.D
 Acq: 12 Apr 2024 18:07

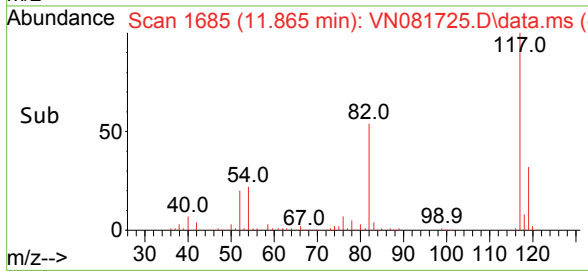
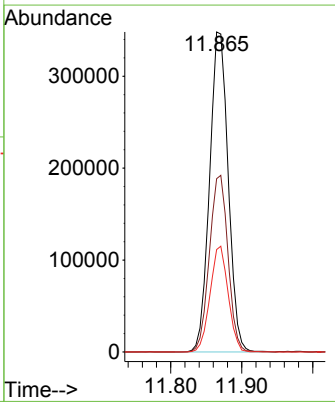
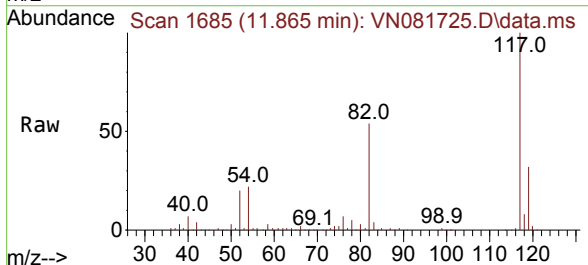
Instrument :
 MSVOA_N
 ClientSampleId :

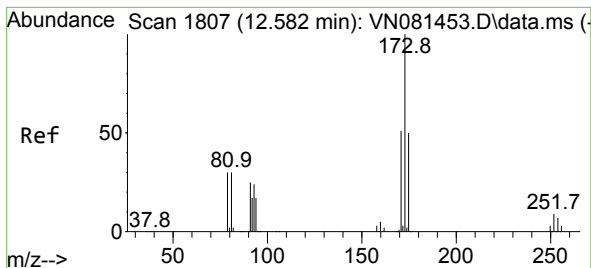
Tgt Ion:	95	Resp:	217822
Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	120.4
176	70.5	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN081725.D
 Acq: 12 Apr 2024 18:07

Tgt Ion:	117	Resp:	631787
Ion	Ratio	Lower	Upper
117	100		
82	54.2	52.7	79.1
119	32.0	25.3	37.9





#71

Bromoform

Concen: 0.264 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

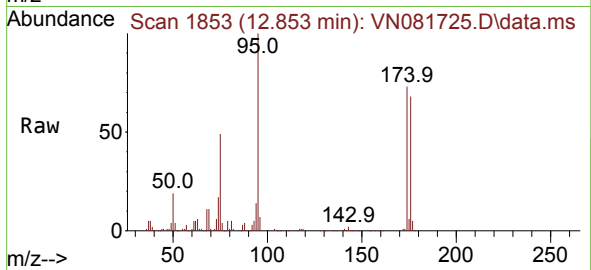
Lab File: VN081725.D

Acq: 12 Apr 2024 18:07

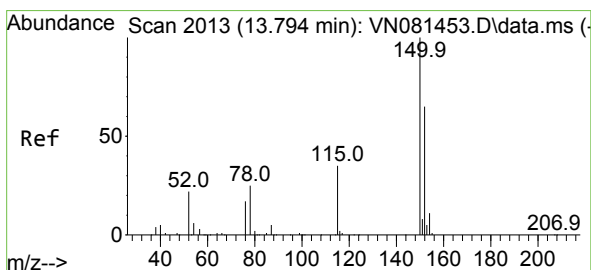
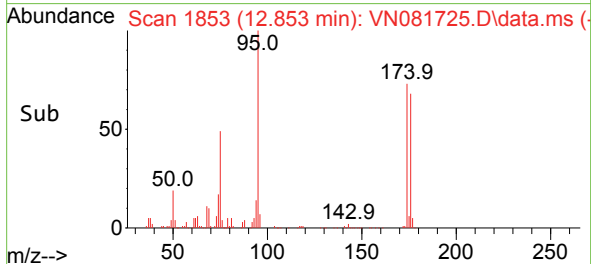
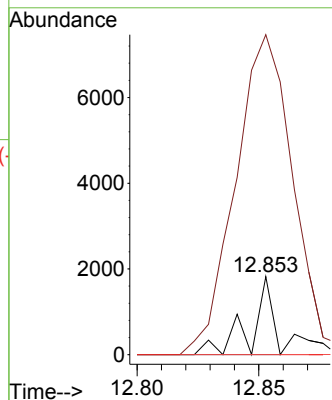
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	1097
Ion Ratio	Lower	Upper	
173	100		
175	907.7	23.1	69.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

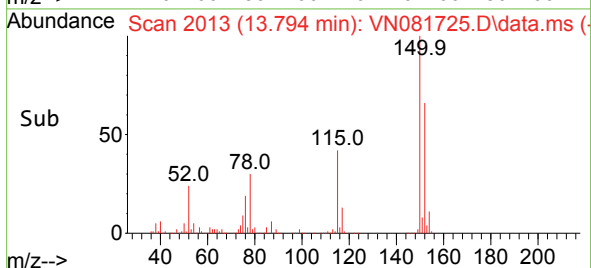
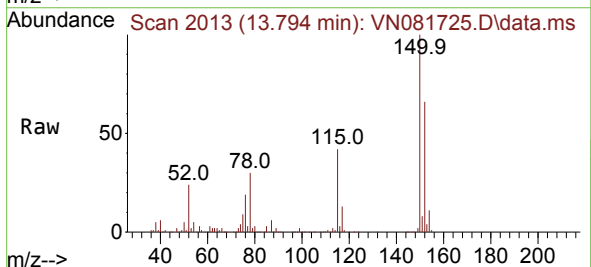
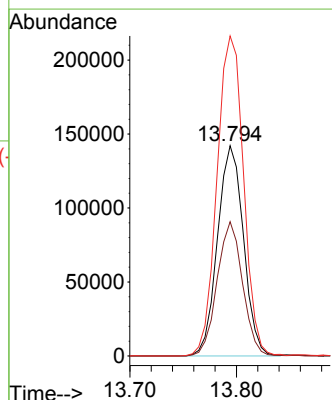
RT: 13.794 min Scan# 2013

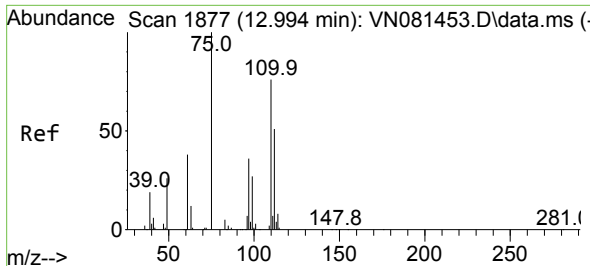
Delta R.T. 0.000 min

Lab File: VN081725.D

Acq: 12 Apr 2024 18:07

Tgt Ion:	152	Resp:	240328
Ion Ratio	Lower	Upper	
152	100		
115	62.6	32.3	96.8
150	155.7	0.0	339.8

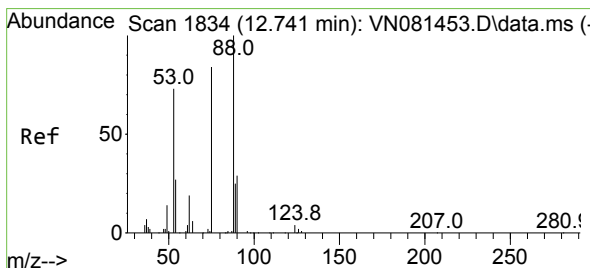
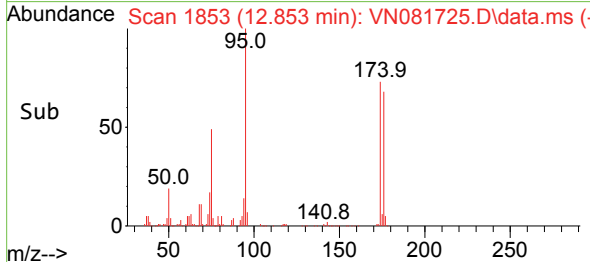
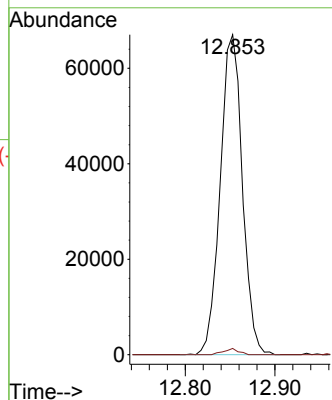
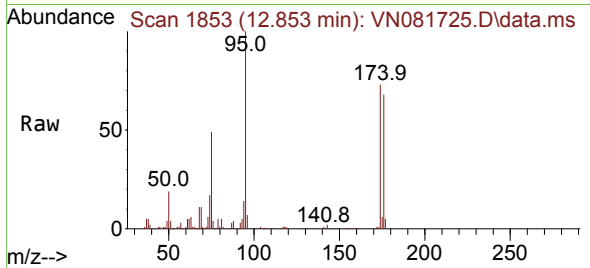




#76
1,2,3-Trichloropropane
Concen: 19.974 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 114828
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.977 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081725.D
Acq: 12 Apr 2024 18:07

Tgt Ion: 75 Resp: 114828
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.2#
89 0.0 33.4 50.0#

