

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
 Data File : VN078996.D
 Acq On : 22 Aug 2023 16:00
 Operator : JC\MD
 Sample : PB154968ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 23 03:04:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

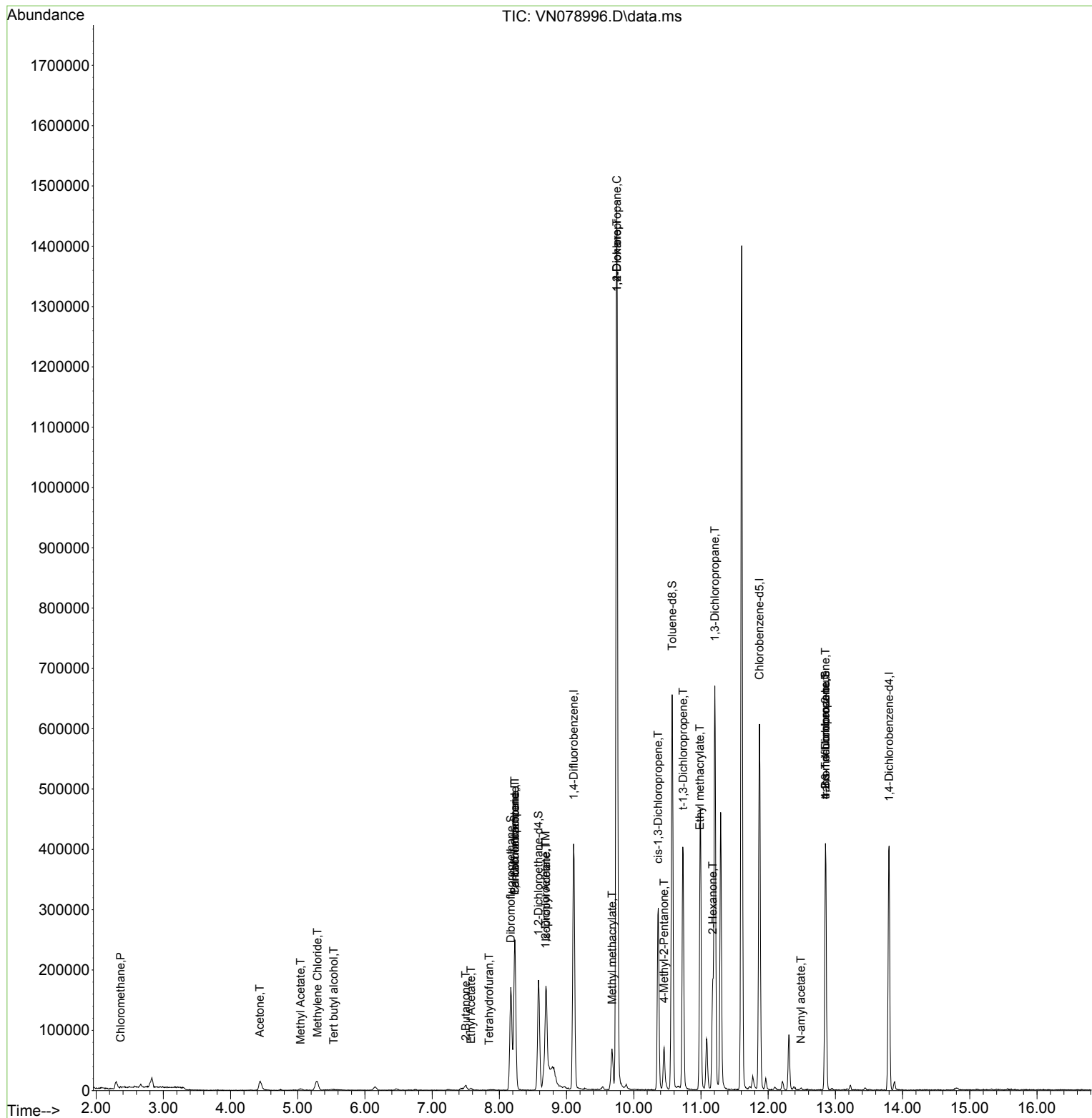
Internal Standards						
1) Pentafluorobenzene	8.229	168	173544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	341624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	342342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	103737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	142091	52.617	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.240%			
35) Dibromofluoromethane	8.171	113	115838	50.372	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.740%			
50) Toluene-d8	10.570	98	436732	51.147	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.300%			
62) 4-Bromofluorobenzene	12.853	95	133822	47.948	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.900%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	680	0.202	ug/l #	86
11) Tert butyl alcohol	5.536	59	401	0.885	ug/l #	72
16) Acetone	4.436	43	28772	25.822	ug/l #	78
18) Methyl Acetate	5.041	43	2580	0.548	ug/l #	62
20) Methylene Chloride	5.294	84	11504	4.845	ug/l #	80
25) 2-Butanone	7.500	43	14247	7.975	ug/l #	68
29) Tetrahydrofuran	7.847	42	310	0.262	ug/l #	20
31) Cyclohexane	8.229	56	4814	Below Cal	#	55
36) 1,1-Dichloropropene	8.229	75	15604	4.511	ug/l #	48
37) Ethyl Acetate	7.577	43	5879	1.519	ug/l #	81
38) Carbon Tetrachloride	8.229	117	19534	5.636	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1041	0.273	ug/l #	73
43) Isopropyl Acetate	8.694	43	234526	34.283	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	1928	0.708	ug/l #	45
48) Methyl methacrylate	9.676	41	4724	1.524	ug/l #	32
49) 1,4-Dioxane	9.747	88	129	2.443	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	52657	12.978	ug/l #	82
53) t-1,3-Dichloropropene	10.735	75	1034	0.262	ug/l #	48
54) cis-1,3-Dichloropropene	10.365	75	49949	11.599	ug/l #	73
56) Ethyl methacrylate	10.982	69	2048	0.525	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7175	1.594	ug/l #	42
59) 2-Hexanone	11.176	43	147568	50.215	ug/l #	19
74) N-amyl acetate	12.488	43	2420	0.554	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	74093	29.642	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	74093	75.724	ug/l #	15

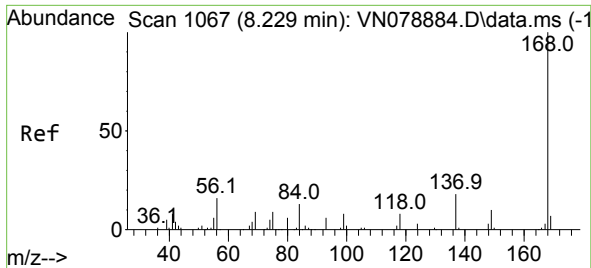
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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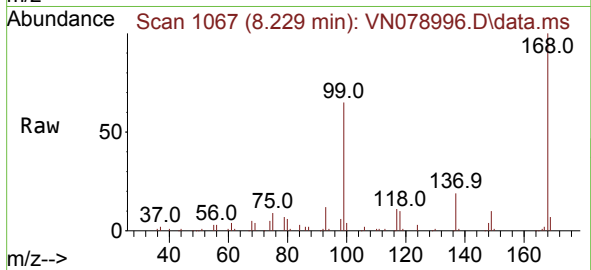
Quant Time: Aug 23 03:04:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
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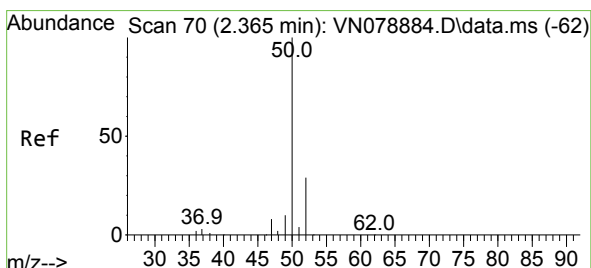
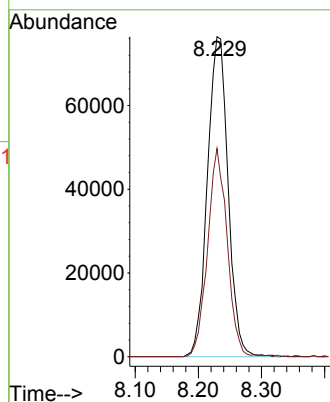
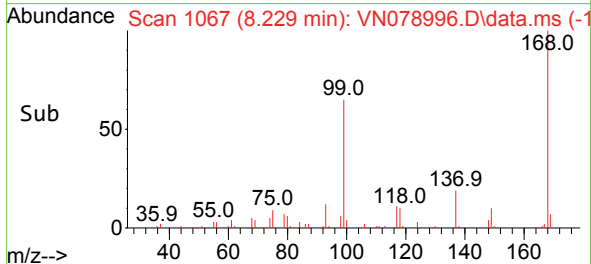


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

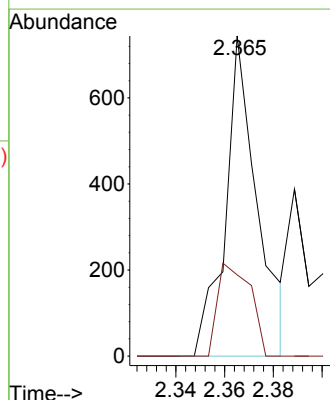
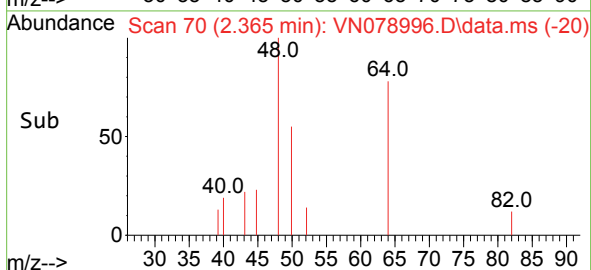
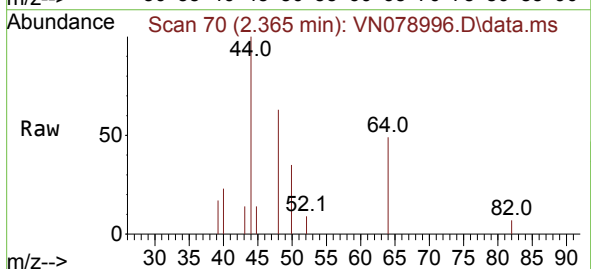


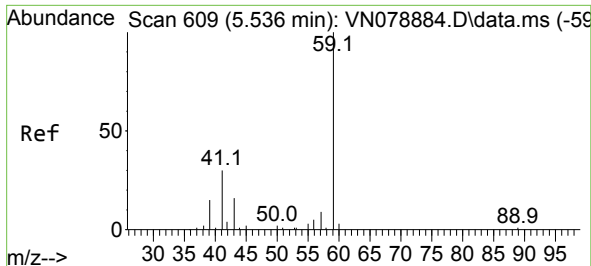
Tgt Ion:168 Resp: 173544
Ion Ratio Lower Upper
168 100
99 65.1 53.0 79.6



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

Tgt Ion: 50 Resp: 680
Ion Ratio Lower Upper
50 100
52 25.4 26.5 39.7#

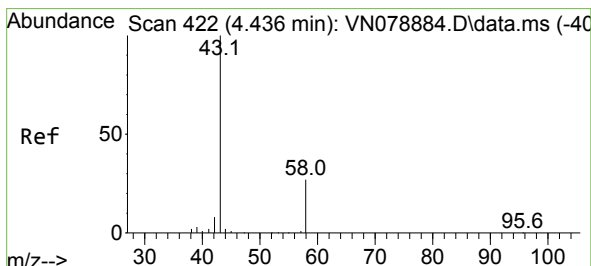
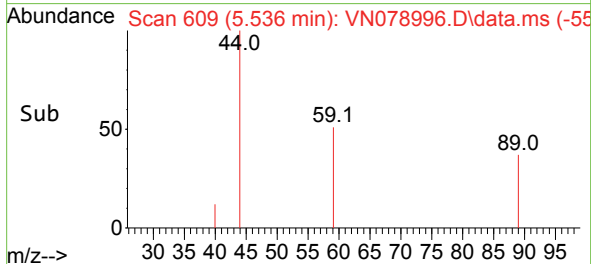
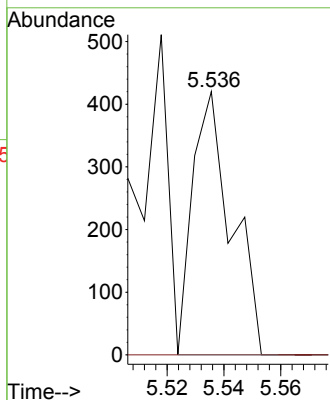
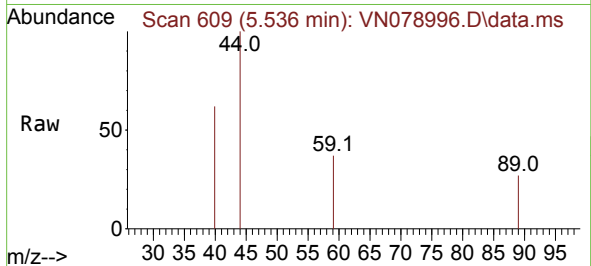




#11
Tert butyl alcohol
Concen: 0.885 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

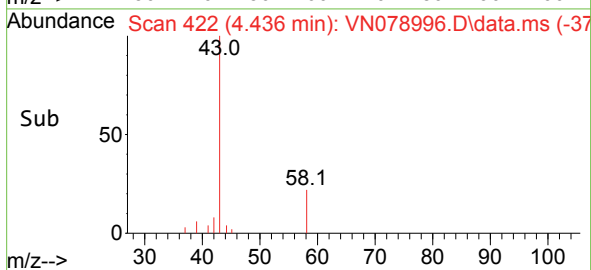
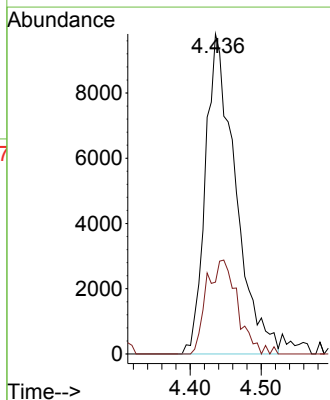
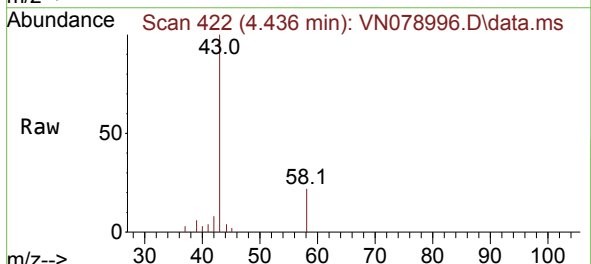
Instrument :
MSVOA_N
ClientSampleId :

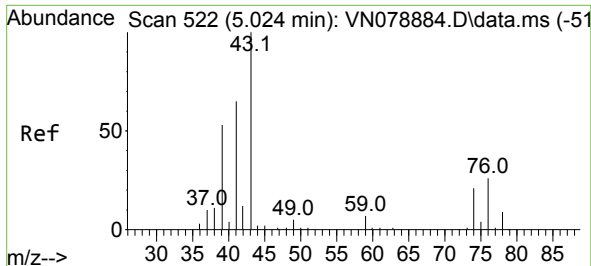
Tgt Ion: 59 Resp: 401
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 25.822 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

Tgt Ion: 43 Resp: 28772
Ion Ratio Lower Upper
43 100
58 22.5 28.0 42.0#

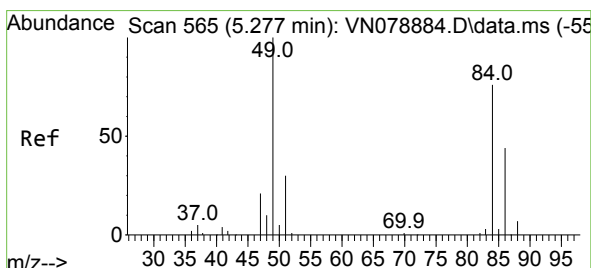
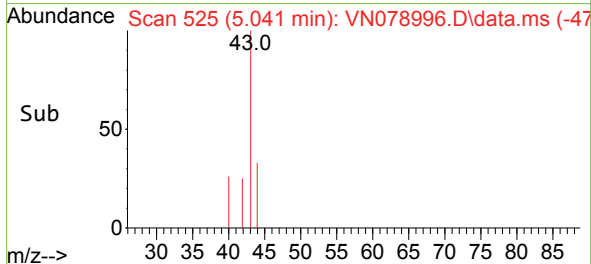
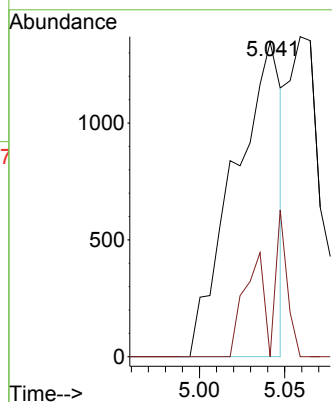
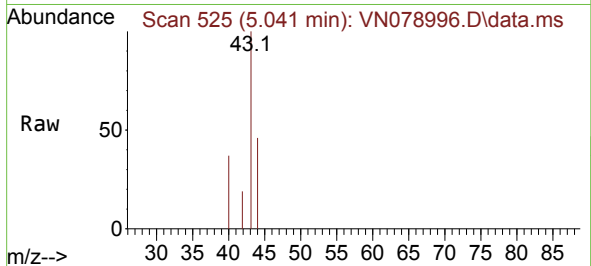




#18
Methyl Acetate
Concen: 0.548 ug/l
RT: 5.041 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

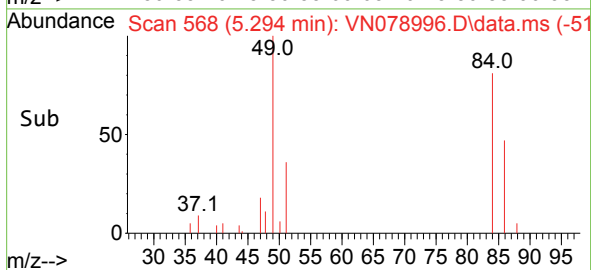
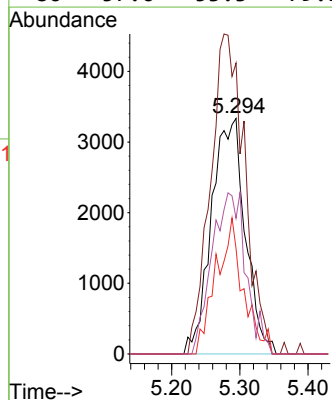
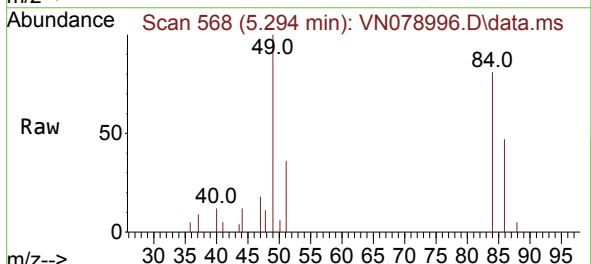
Instrument :
MSVOA_N
ClientSampleId :

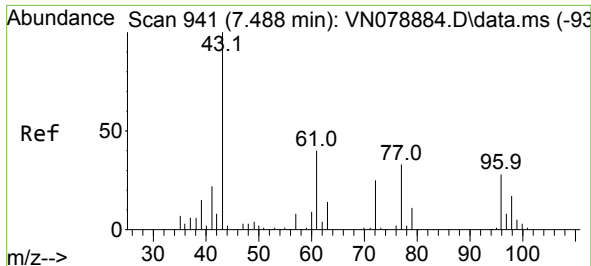
Tgt Ion: 43 Resp: 2580
Ion Ratio Lower Upper
43 100
74 11.2 26.2 39.4#



#20
Methylene Chloride
Concen: 4.845 ug/l
RT: 5.294 min Scan# 568
Delta R.T. 0.011 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

Tgt Ion: 84 Resp: 11504
Ion Ratio Lower Upper
84 100
49 123.4 79.7 119.5#
51 44.7 25.2 37.8#
86 57.6 53.3 79.9





#25

2-Butanone

Concen: 7.975 ug/l

RT: 7.500 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN078996.D

Acq: 22 Aug 2023 16:00

Instrument :

MSVOA_N

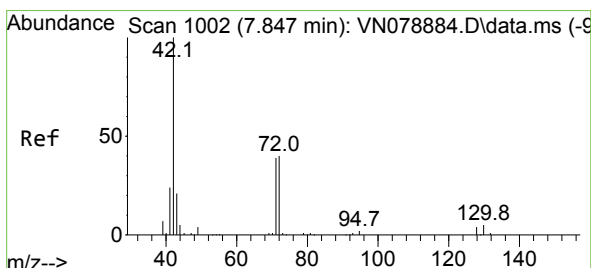
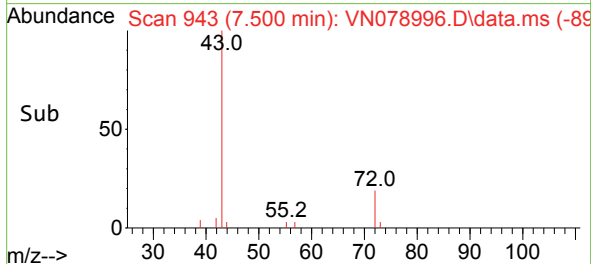
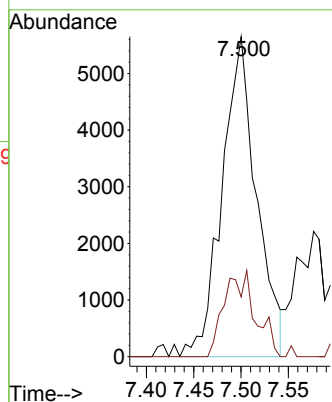
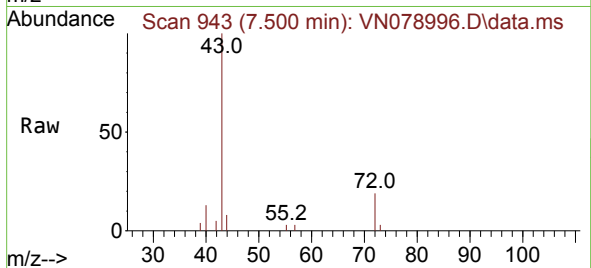
ClientSampleId :

Tgt Ion: 43 Resp: 14247

Ion Ratio Lower Upper

43 100

72 18.7 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.262 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VN078996.D

Acq: 22 Aug 2023 16:00

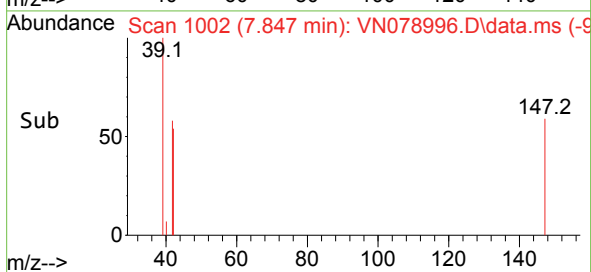
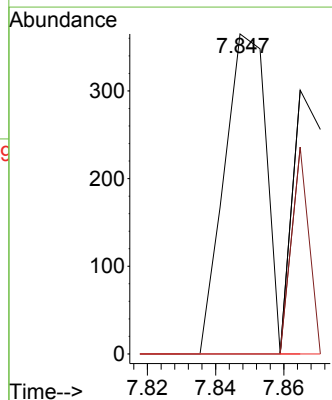
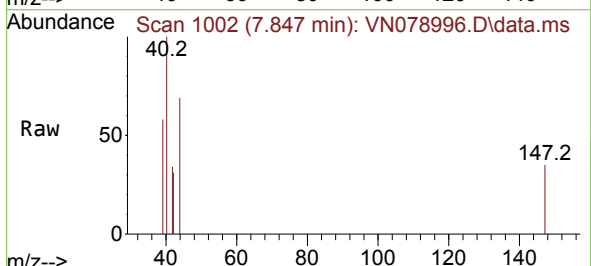
Tgt Ion: 42 Resp: 310

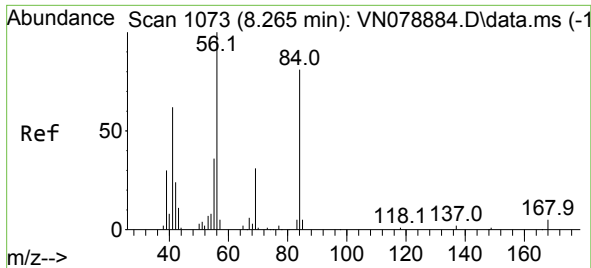
Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

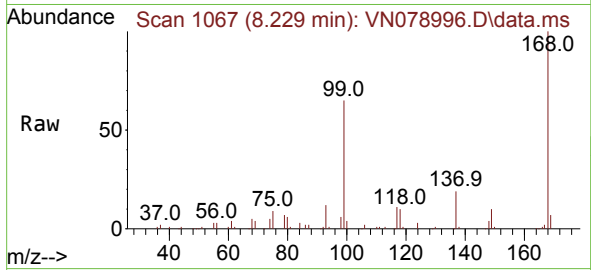
71 0.0 47.4 71.2#



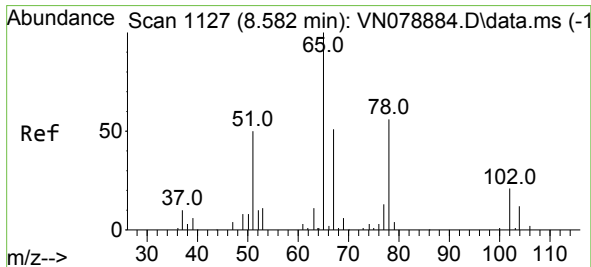
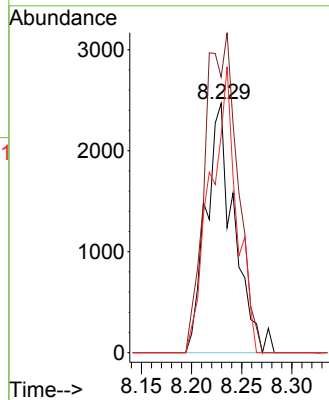
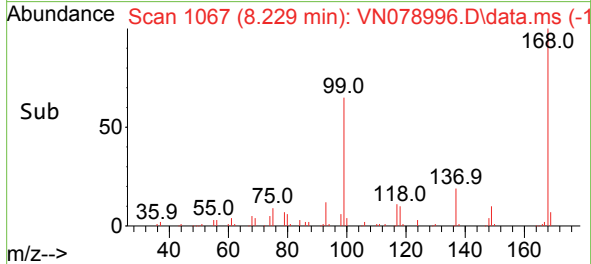


#31
Cyclohexane
Concen: Below Cal
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

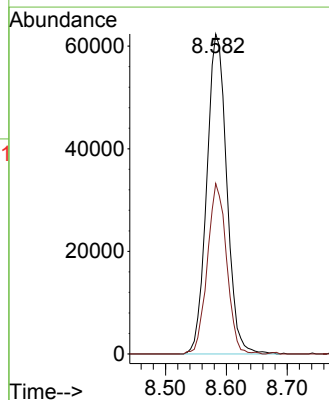
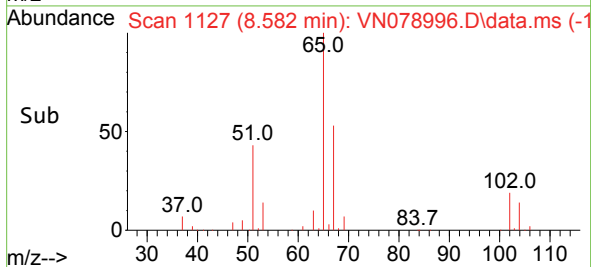
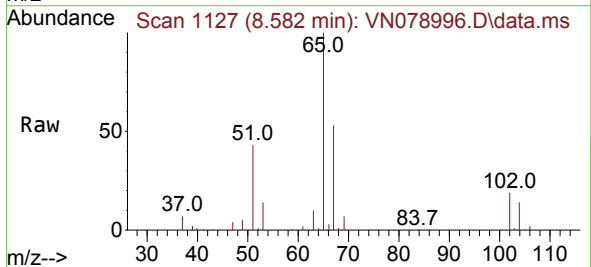


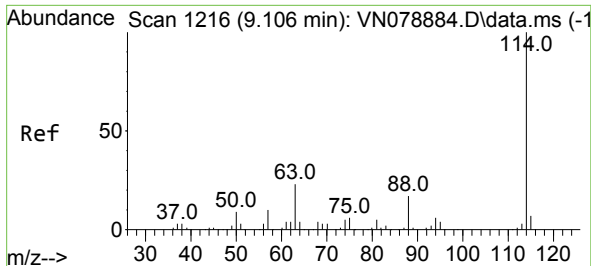
Tgt Ion: 56 Resp: 4814
Ion Ratio Lower Upper
56 100
69 110.6 26.8 40.2#
84 87.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 52.617 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

Tgt Ion: 65 Resp: 142091
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078996.D

Acq: 22 Aug 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

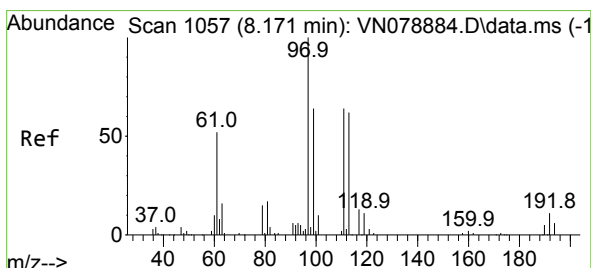
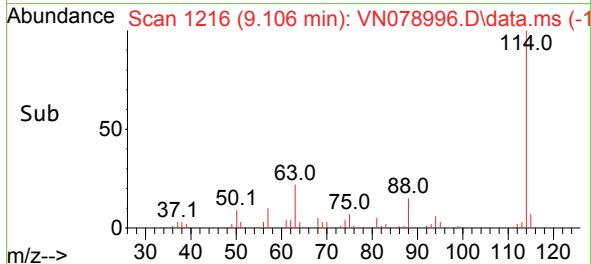
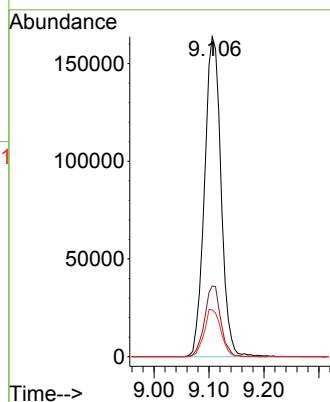
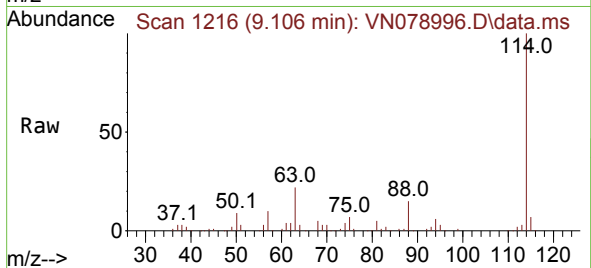
Tgt Ion:114 Resp: 341624

Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.372 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078996.D

Acq: 22 Aug 2023 16:00

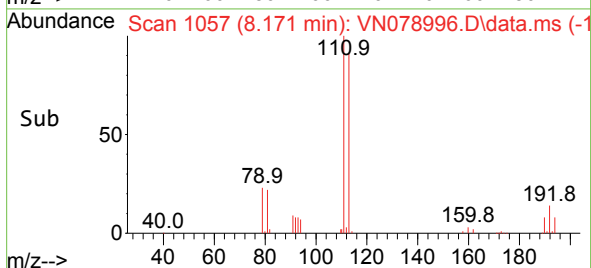
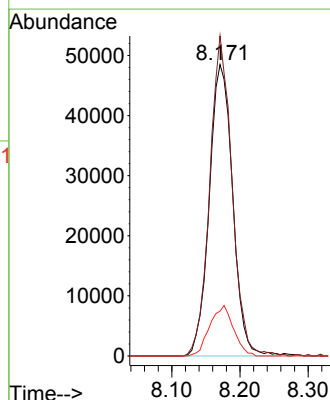
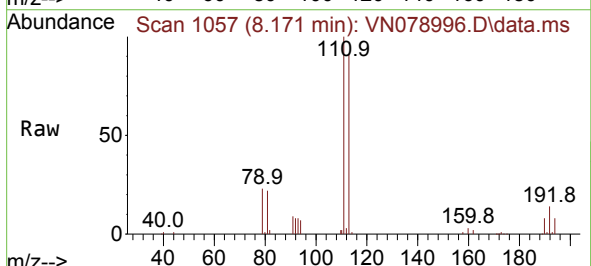
Tgt Ion:113 Resp: 115838

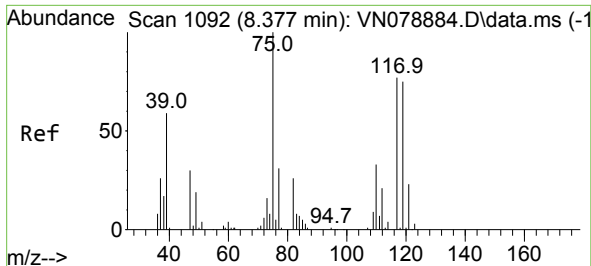
Ion Ratio Lower Upper

113 100

111 104.7 82.6 123.8

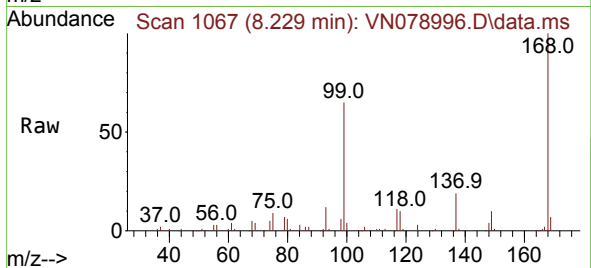
192 17.6 12.7 19.1



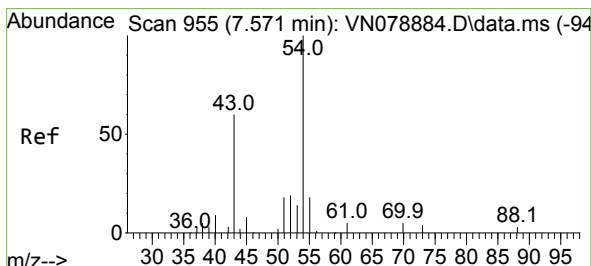
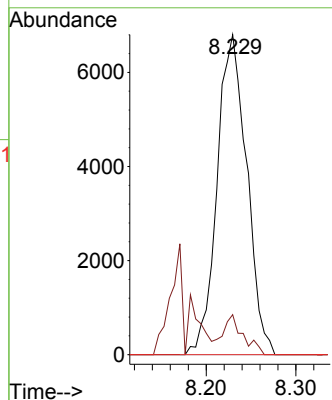
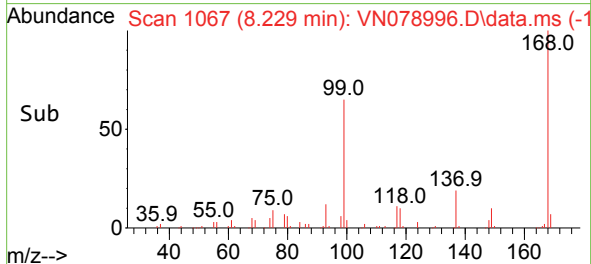


#36
 1,1-Dichloropropene
 Concen: 4.511 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.148 min
 Lab File: VN078996.D
 Acq: 22 Aug 2023 16:00

Instrument :
 MSVOA_N
 ClientSampleId :

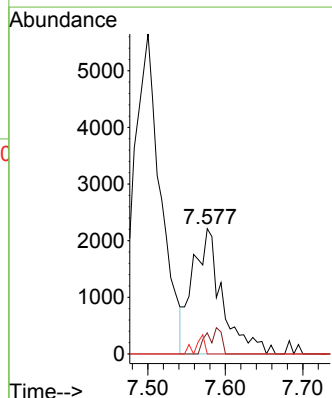
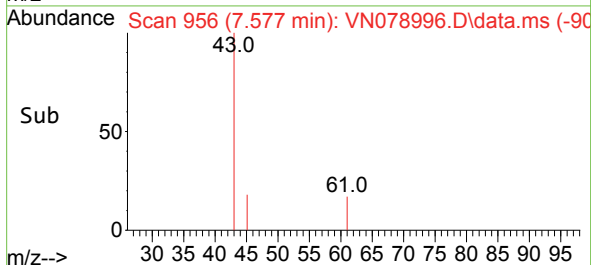
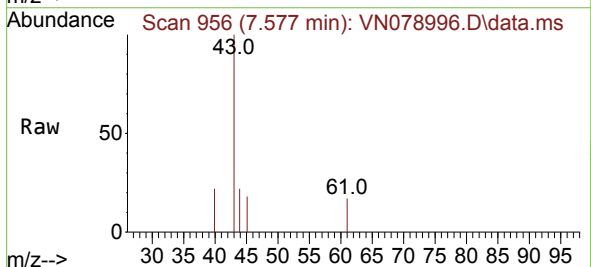


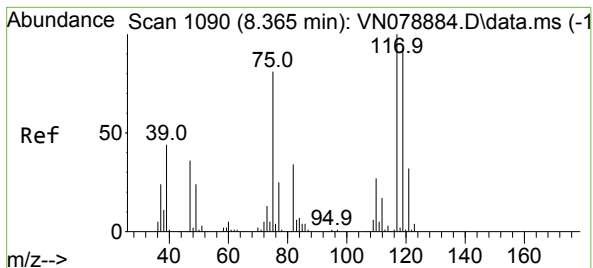
Tgt Ion: 75 Resp: 15604
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.1 57.3#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.519 ug/l
 RT: 7.577 min Scan# 956
 Delta R.T. 0.006 min
 Lab File: VN078996.D
 Acq: 22 Aug 2023 16:00

Tgt Ion: 43 Resp: 5879
 Ion Ratio Lower Upper
 43 100
 61 10.1 13.2 19.8#
 70 4.3 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.636 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.142 min

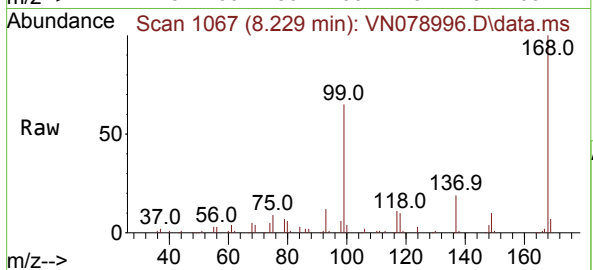
Lab File: VN078996.D

Acq: 22 Aug 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :



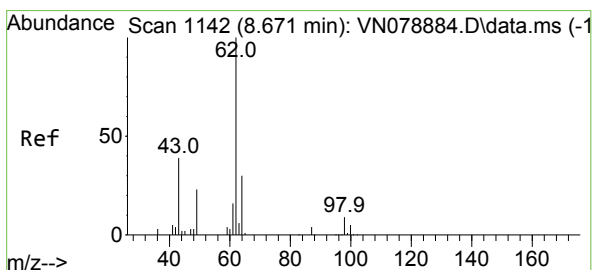
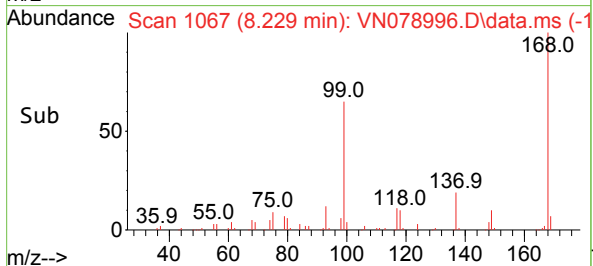
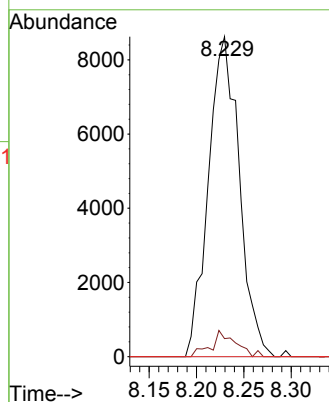
Tgt Ion:117 Resp: 19534

Ion Ratio Lower Upper

117 100

119 5.7 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.273 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.011 min

Lab File: VN078996.D

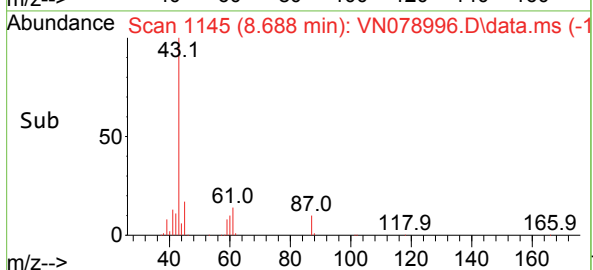
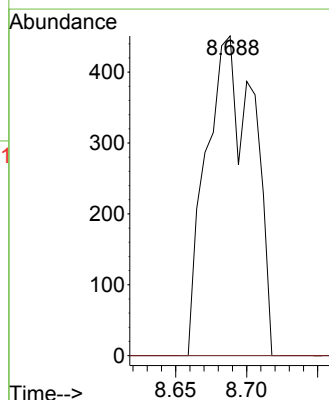
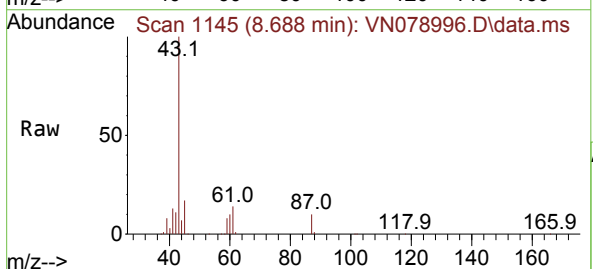
Acq: 22 Aug 2023 16:00

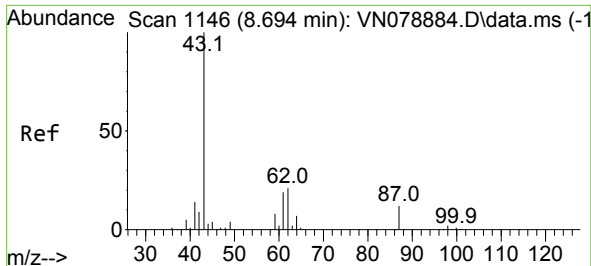
Tgt Ion: 62 Resp: 1041

Ion Ratio Lower Upper

62 100

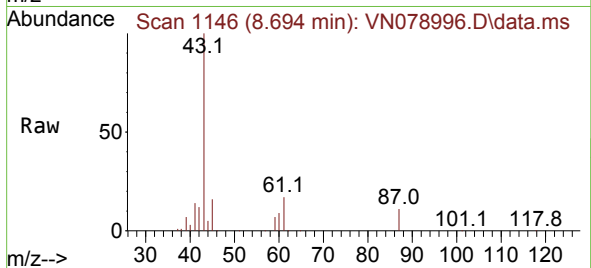
98 0.0 0.0 19.8



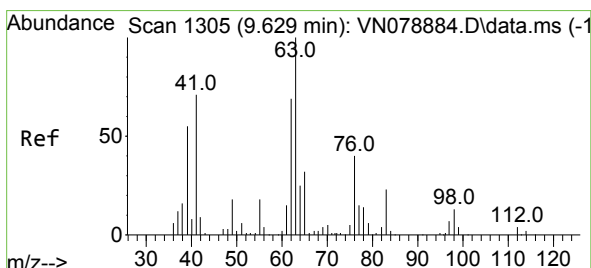
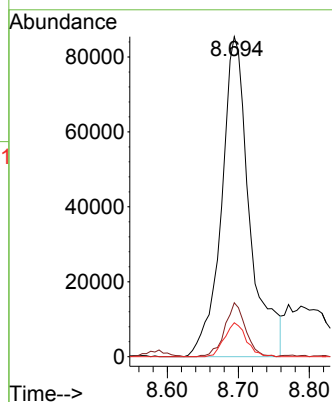
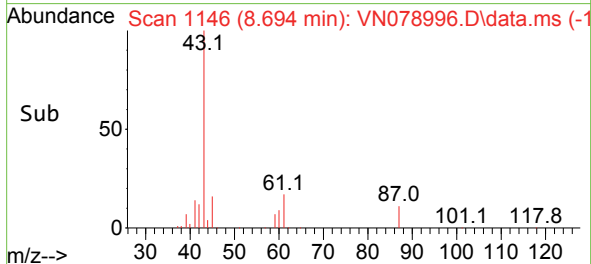


#43
Isopropyl Acetate
Concen: 34.283 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

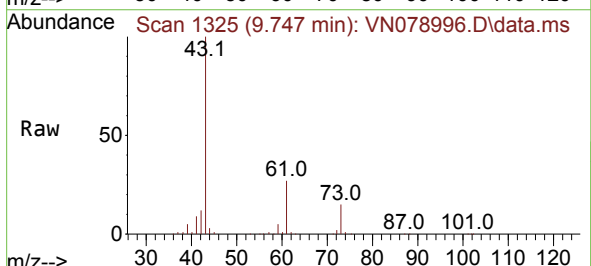
Instrument :
MSVOA_N
ClientSampleId :



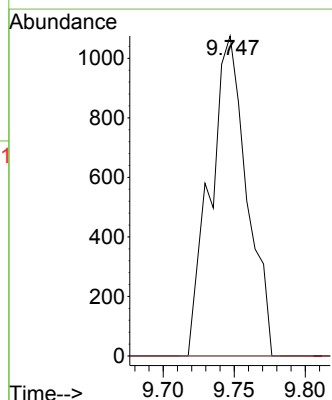
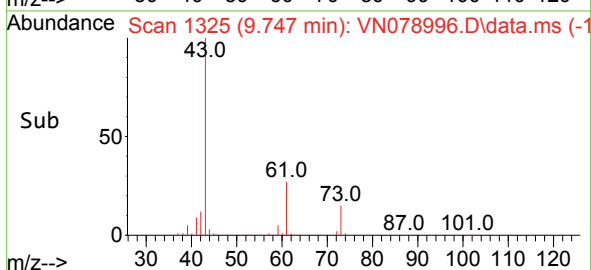
Tgt Ion: 43 Resp: 234526
Ion Ratio Lower Upper
43 100
61 12.5 24.7 37.1#
87 8.2 14.6 21.8#

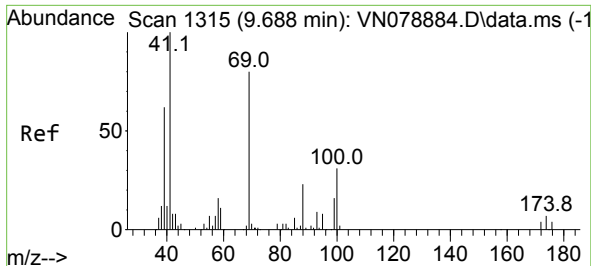


#45
1,2-Dichloropropane
Concen: 0.708 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00



Tgt Ion: 63 Resp: 1928
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

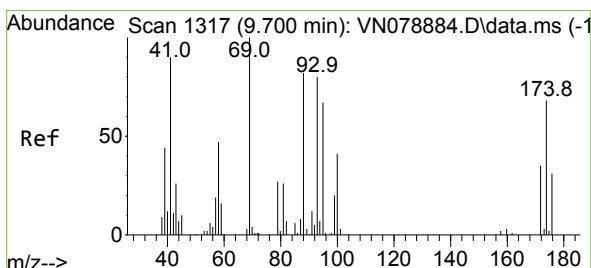
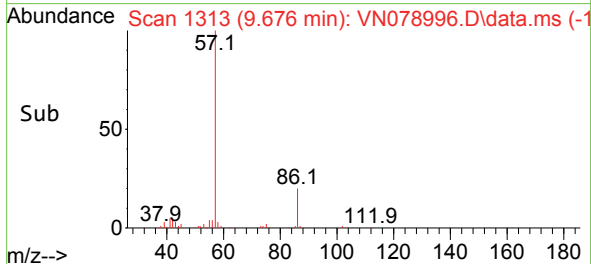
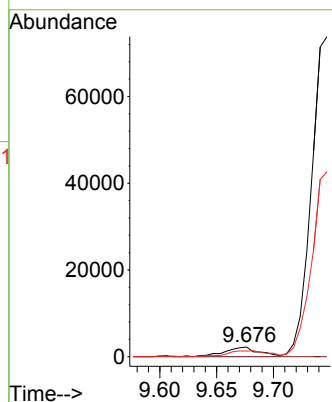
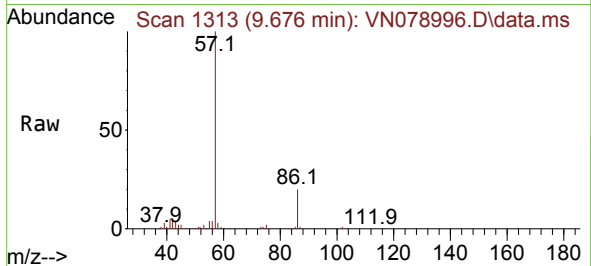




#48
Methyl methacrylate
Concen: 1.524 ug/l
RT: 9.676 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

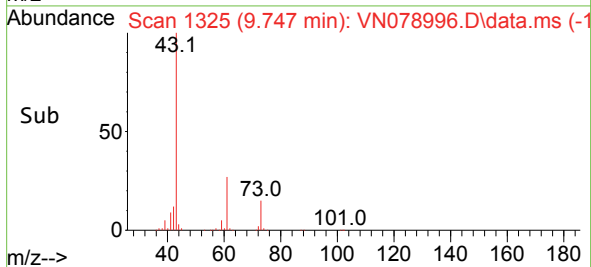
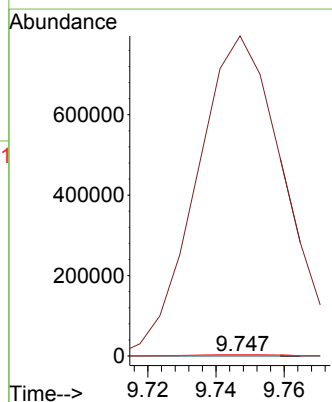
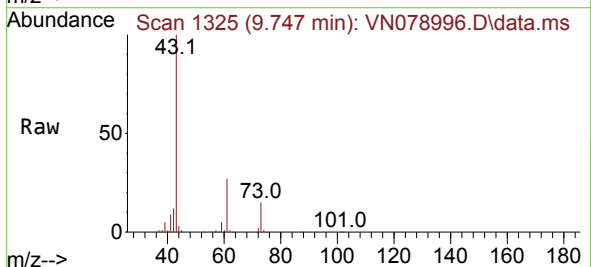
Instrument :
MSVOA_N
ClientSampleId :

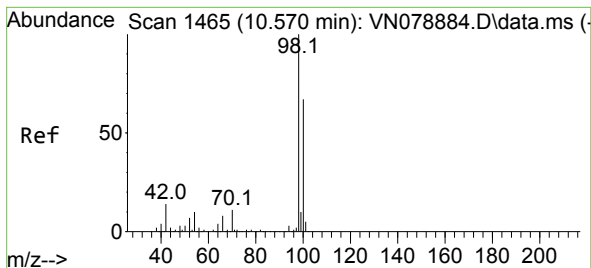
Tgt Ion: 41 Resp: 4724
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 72.9 54.6 81.8



#49
1,4-Dioxane
Concen: 2.443 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

Tgt Ion: 88 Resp: 129
Ion Ratio Lower Upper
88 100
43 1122569.8 17.0 25.6#
58 5234.9 47.0 70.4#

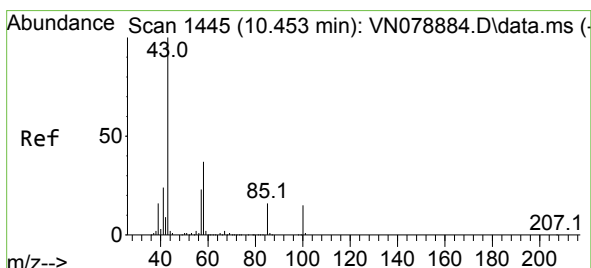
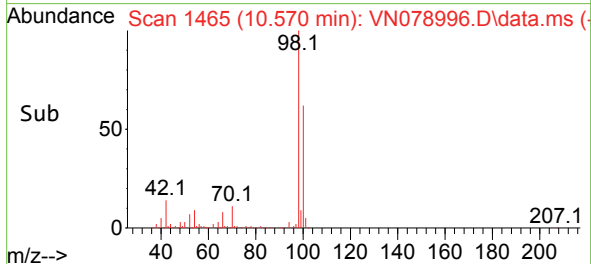
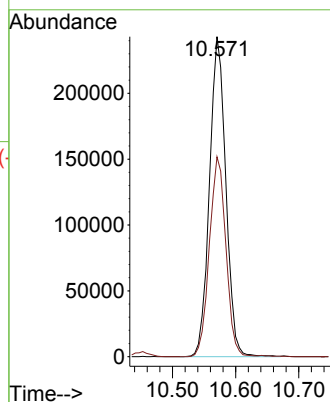
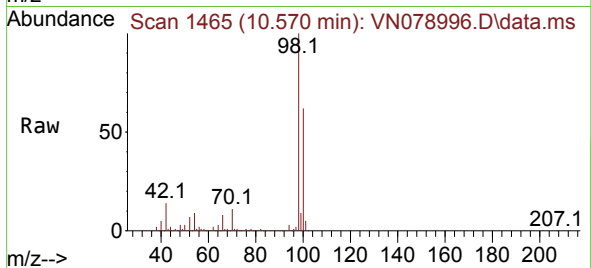




#50
Toluene-d8
Concen: 51.147 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

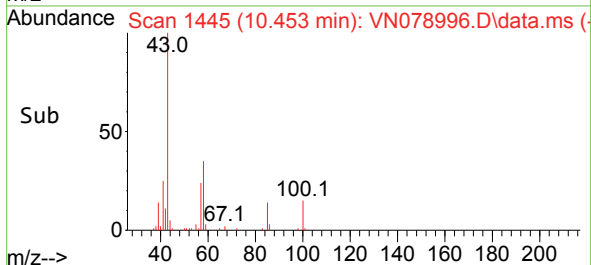
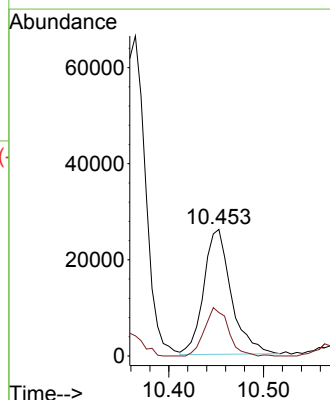
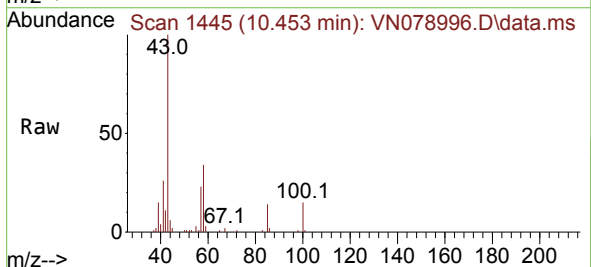
Instrument :
MSVOA_N
ClientSampleId :

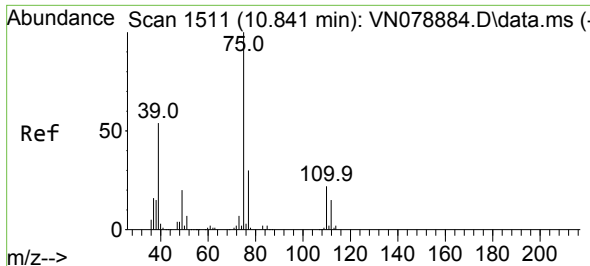
Tgt Ion: 98 Resp: 436732
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 12.978 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

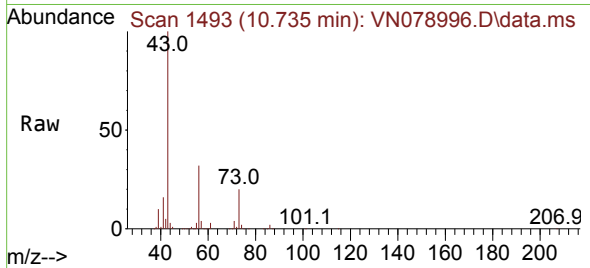
Tgt Ion: 43 Resp: 52657
Ion Ratio Lower Upper
43 100
58 33.5 36.6 54.8#



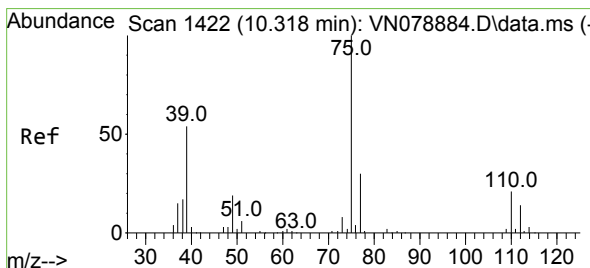
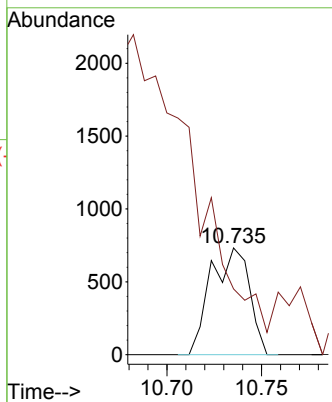
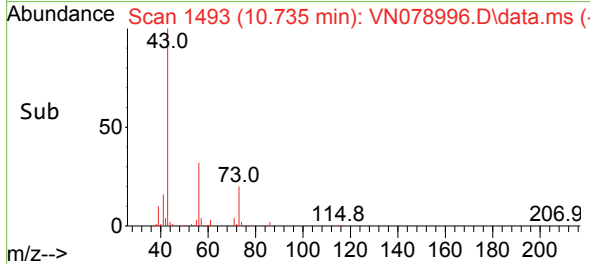


#53
t-1,3-Dichloropropene
Concen: 0.262 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

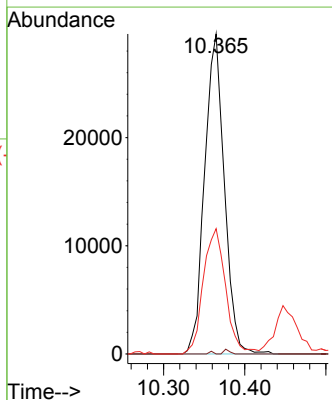
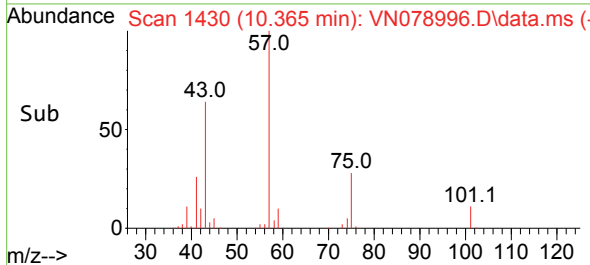
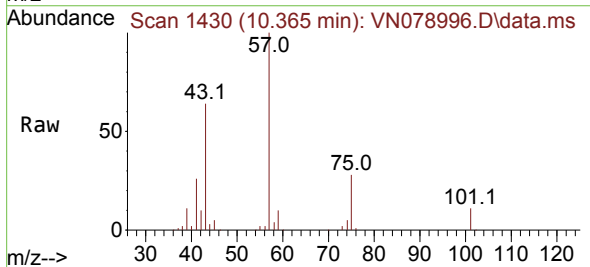


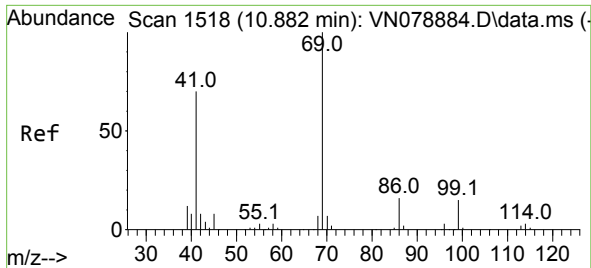
Tgt Ion: 75 Resp: 1034
Ion Ratio Lower Upper
75 100
77 3.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 11.599 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

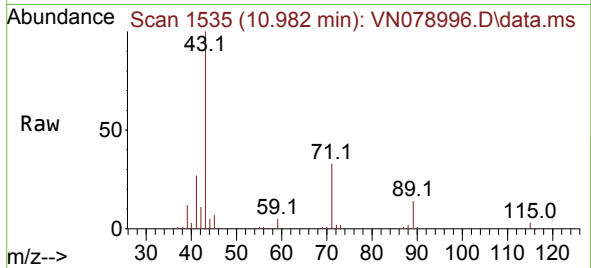
Tgt Ion: 75 Resp: 49949
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 39.2 31.6 47.4



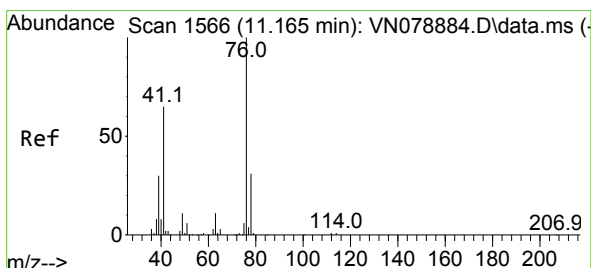
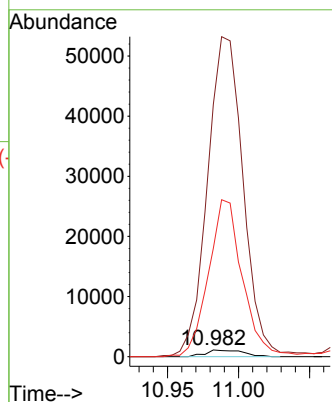
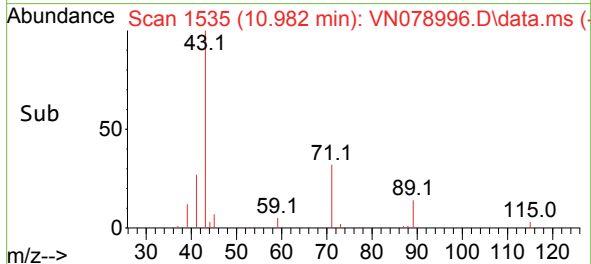


#56
Ethyl methacrylate
Concen: 0.525 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.105 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

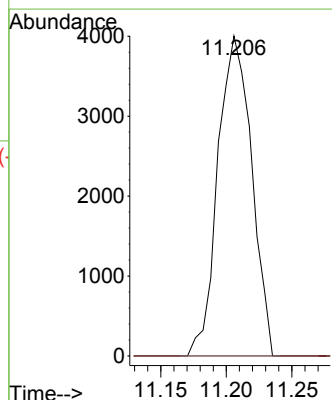
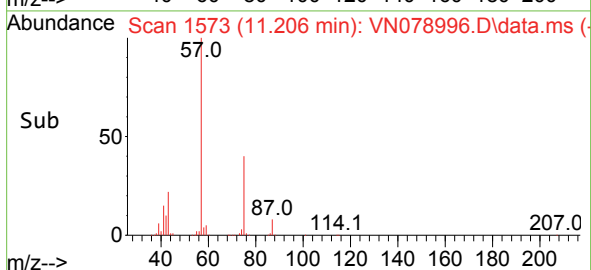
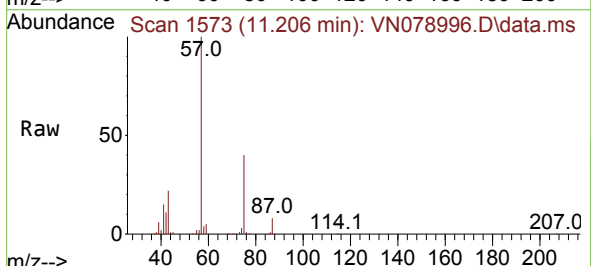


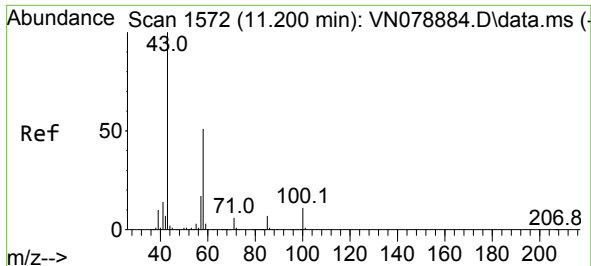
Tgt Ion: 69 Resp: 2048
Ion Ratio Lower Upper
69 100
41 4570.2 39.6 59.4#
39 2116.0 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.594 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

Tgt Ion: 76 Resp: 7175
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

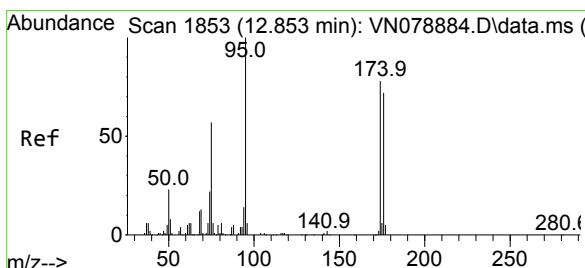
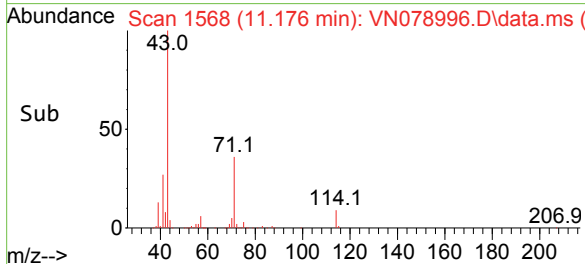
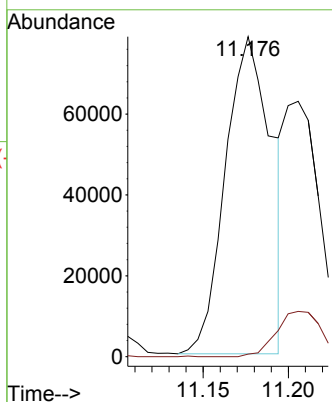
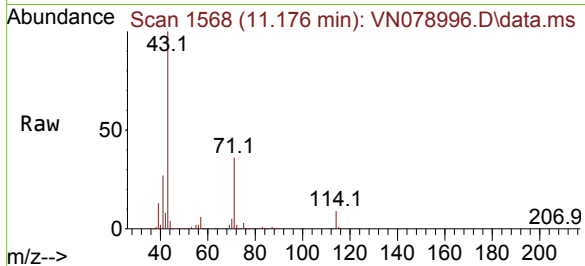




#59
2-Hexanone
Concen: 50.215 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

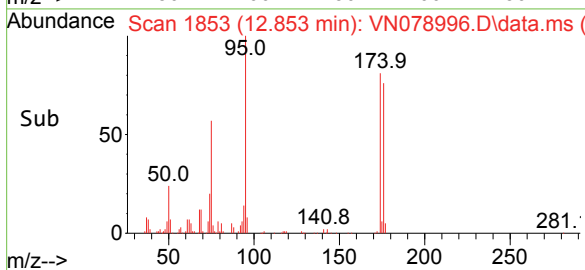
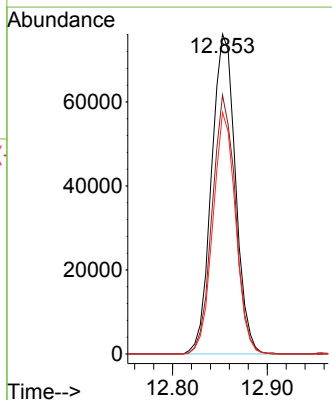
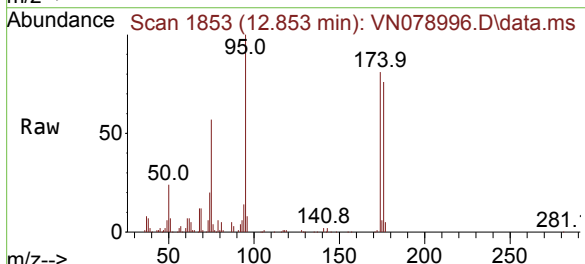
Instrument :
MSVOA_N
ClientSampleId :

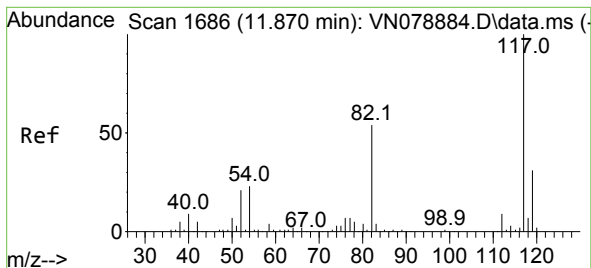
Tgt Ion: 43 Resp: 147568
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.948 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078996.D
Acq: 22 Aug 2023 16:00

Tgt Ion: 95 Resp: 133822
Ion Ratio Lower Upper
95 100
174 78.6 0.0 143.8
176 71.7 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN078996.D

Acq: 22 Aug 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

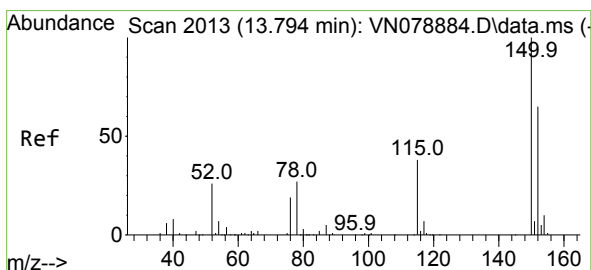
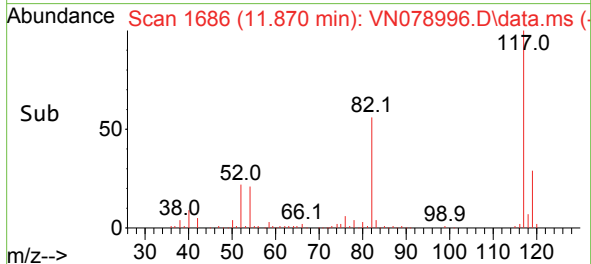
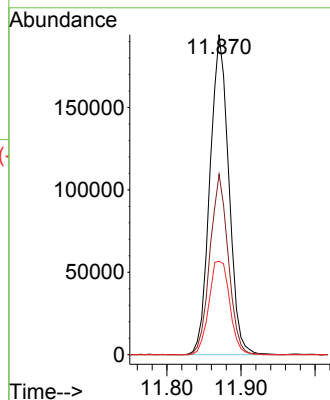
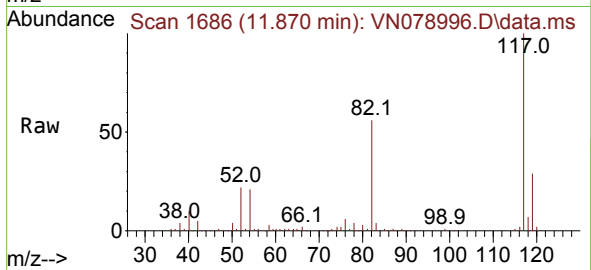
Tgt Ion:117 Resp: 342342

Ion Ratio Lower Upper

117 100

82 56.4 44.0 66.0

119 29.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN078996.D

Acq: 22 Aug 2023 16:00

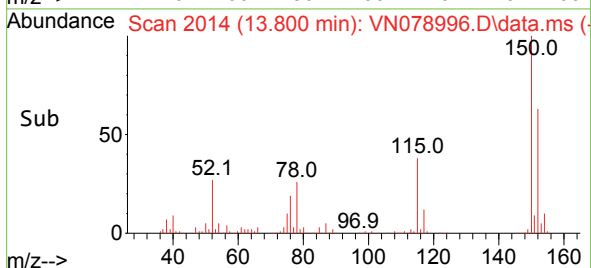
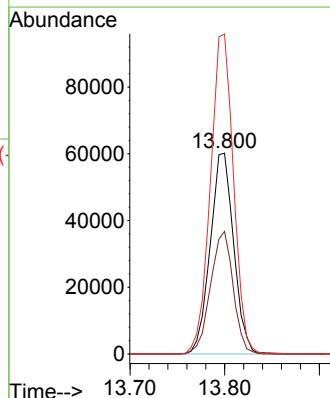
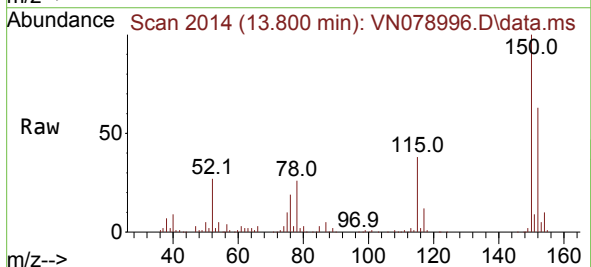
Tgt Ion:152 Resp: 103737

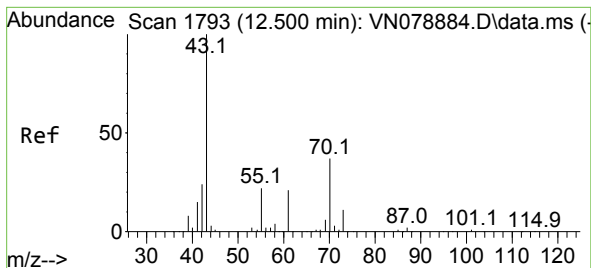
Ion Ratio Lower Upper

152 100

115 58.9 32.3 96.8

150 156.6 0.0 355.8





#74

N-amy1 acetate

Concen: 0.554 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.012 min

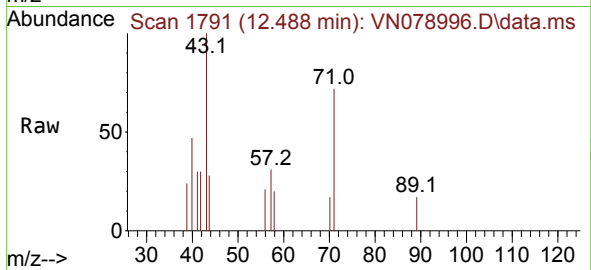
Lab File: VN078996.D

Acq: 22 Aug 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 2420

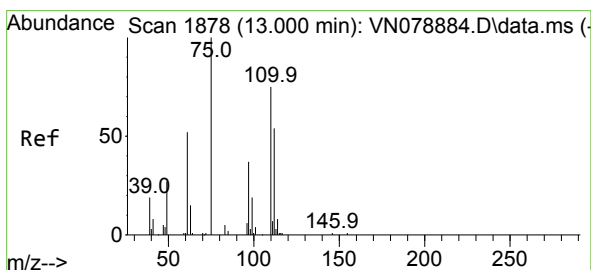
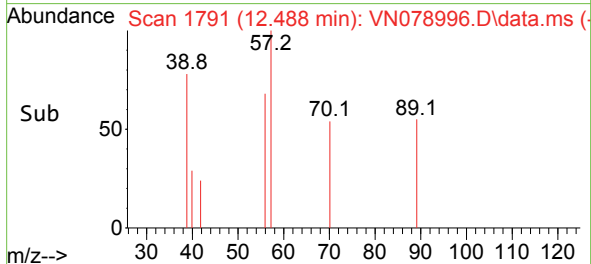
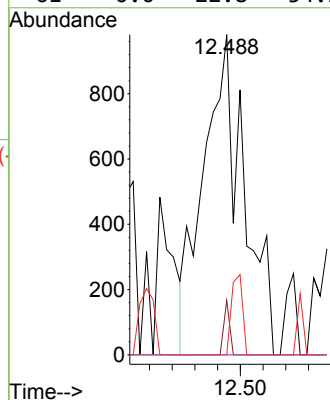
Ion Ratio Lower Upper

43 100

70 2.4 43.4 65.2#

55 6.8 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 29.642 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078996.D

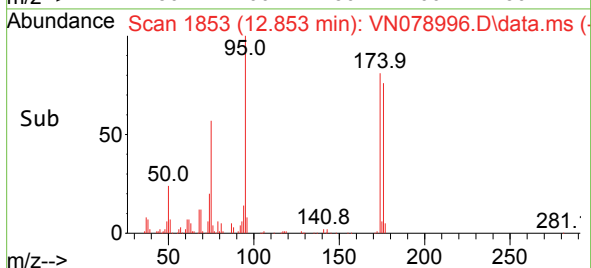
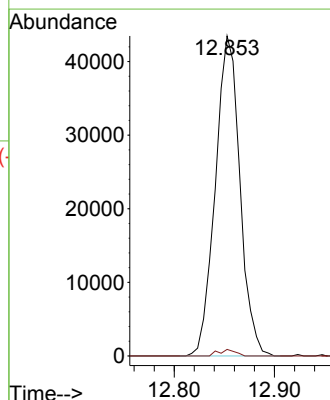
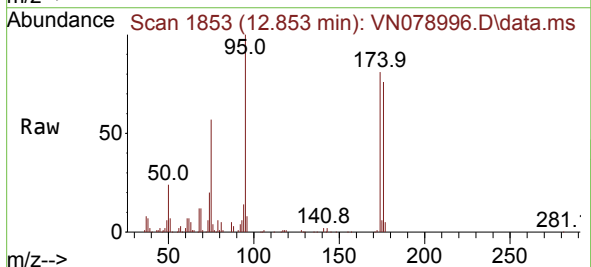
Acq: 22 Aug 2023 16:00

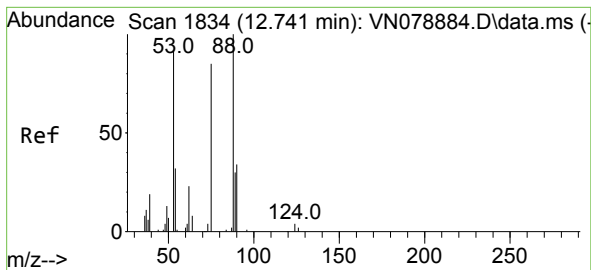
Tgt Ion: 75 Resp: 74093

Ion Ratio Lower Upper

75 100

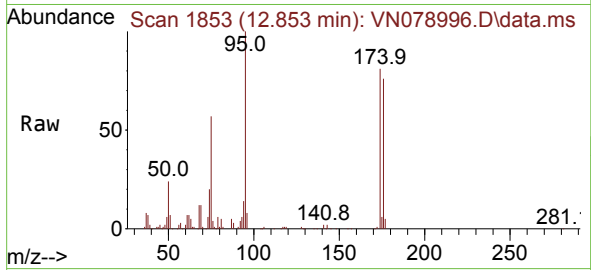
77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.724 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078996.D
 Acq: 22 Aug 2023 16:00

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.4	101.2#
89	0.0	38.8	58.2#

