

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079551.D
 Acq On : 12 Oct 2023 17:35
 Operator : JC\MD
 Sample : PB156319ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 01:23:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

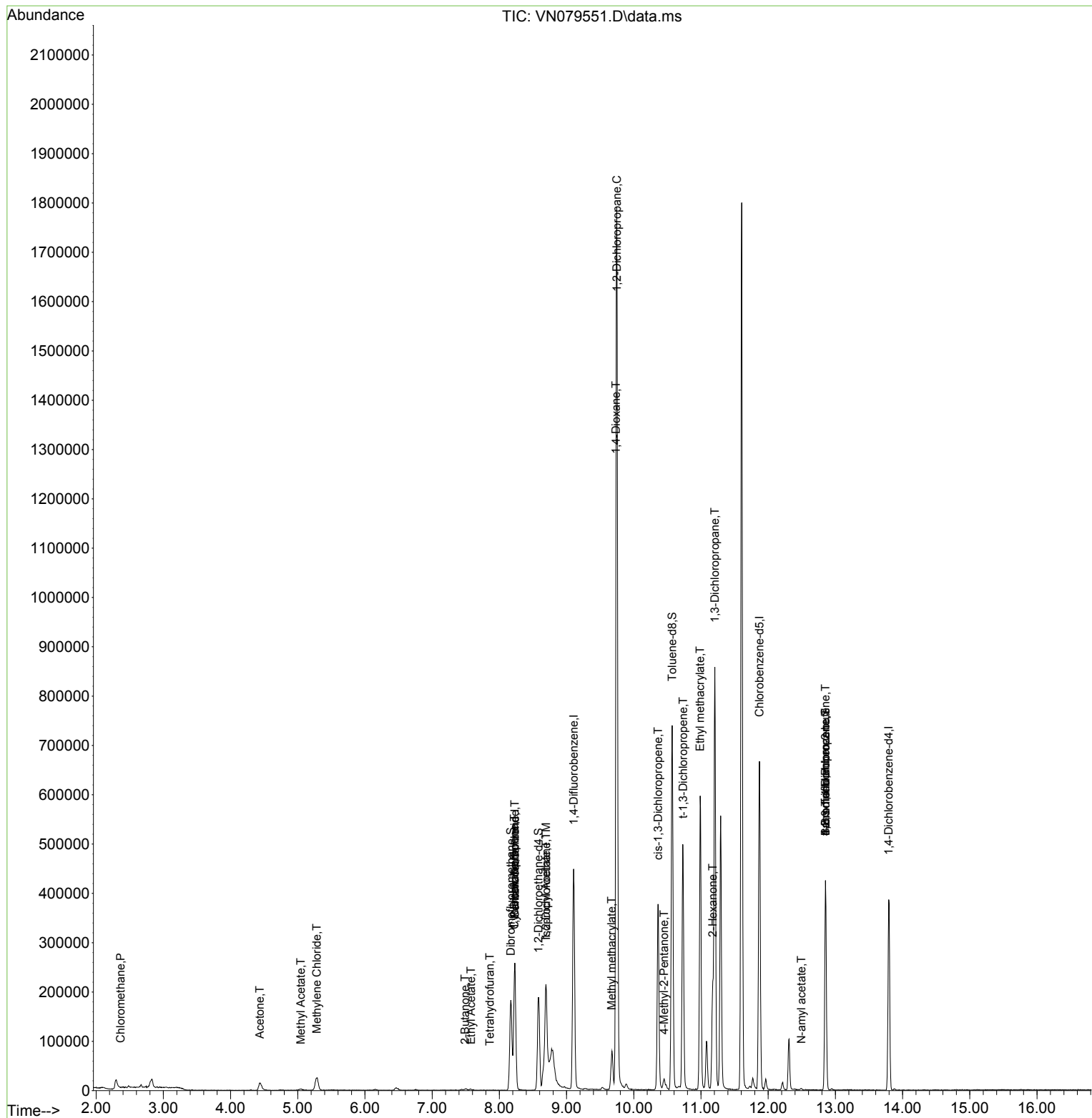
Internal Standards						
1) Pentafluorobenzene	8.230	168	175507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	377502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	374904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	101457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	158799	55.803	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.600%			
35) Dibromofluoromethane	8.171	113	132062	48.680	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.360%			
50) Toluene-d8	10.571	98	500537	50.992	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.980%			
62) 4-Bromofluorobenzene	12.853	95	137553	43.666	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.340%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	866	0.276	ug/l #	42
16) Acetone	4.436	43	30745	27.239	ug/l	91
18) Methyl Acetate	5.047	43	4845	0.877	ug/l #	80
20) Methylene Chloride	5.283	84	20171	7.651	ug/l	92
25) 2-Butanone	7.488	43	4888	2.918	ug/l #	82
29) Tetrahydrofuran	7.859	42	320	0.295	ug/l #	20
31) Cyclohexane	8.224	56	4633	1.148	ug/l #	33
36) 1,1-Dichloropropene	8.224	75	17121	4.205	ug/l #	47
37) Ethyl Acetate	7.577	43	3979	0.982	ug/l #	70
38) Carbon Tetrachloride	8.230	117	19551	4.796	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	1705	0.388	ug/l #	73
43) Isopropyl Acetate	8.694	43	283542	39.947	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	2362	0.741	ug/l #	45
48) Methyl methacrylate	9.671	41	4970	1.634	ug/l #	34
49) 1,4-Dioxane	9.735	88	145	2.588	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	13602	3.395	ug/l	93
53) t-1,3-Dichloropropene	10.735	75	1242	0.290	ug/l	95
54) cis-1,3-Dichloropropene	10.365	75	64414	13.756	ug/l #	73
56) Ethyl methacrylate	10.988	69	3215	0.819	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8333	1.689	ug/l #	42
59) 2-Hexanone	11.176	43	155563	53.804	ug/l #	19
71) Bromoform	12.853	173	1162	0.519	ug/l #	1
74) N-amyl acetate	12.494	43	1966	0.508	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.865	83	62	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	78701	26.904	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	78701	78.062	ug/l #	15

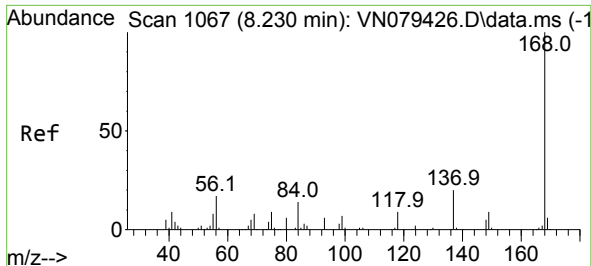
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

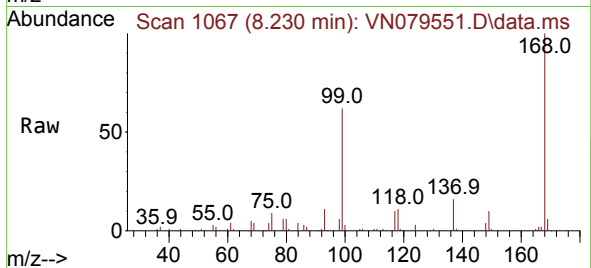
Quant Time: Oct 13 01:23:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration



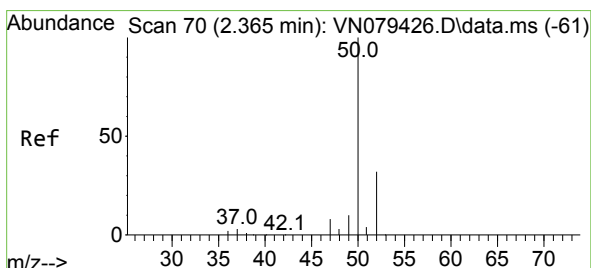
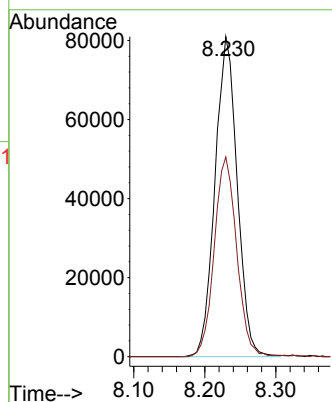
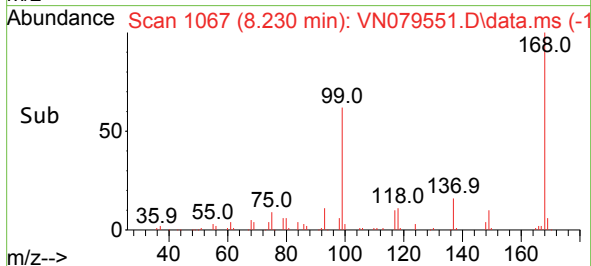


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079551.D
Acq: 12 Oct 2023 17:35

Instrument :
MSVOA_N
ClientSampleId :

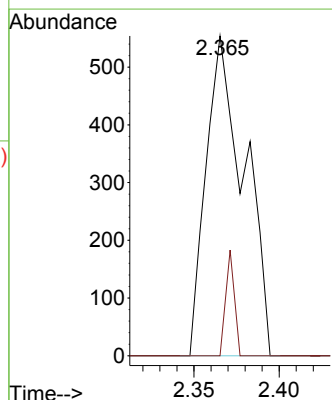
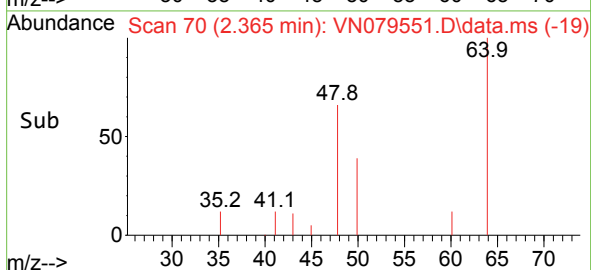
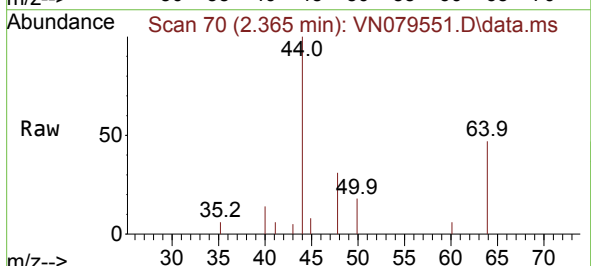


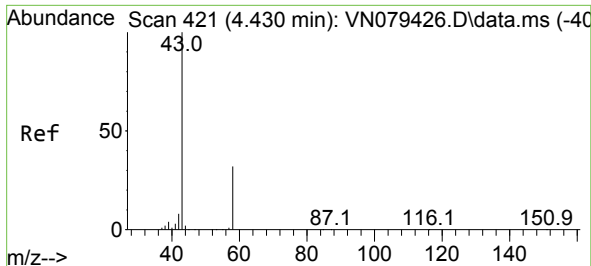
Tgt Ion:168 Resp: 175507
Ion Ratio Lower Upper
168 100
99 62.4 53.0 79.6



#3
Chloromethane
Concen: 0.276 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079551.D
Acq: 12 Oct 2023 17:35

Tgt Ion: 50 Resp: 866
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#16

Acetone

Concen: 27.239 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

Instrument :

MSVOA_N

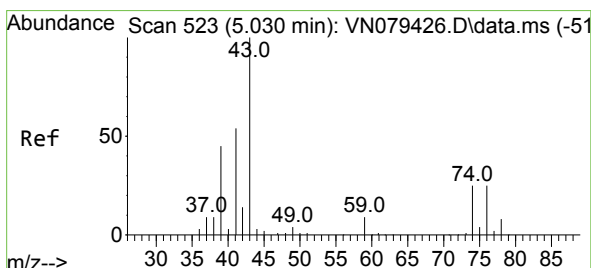
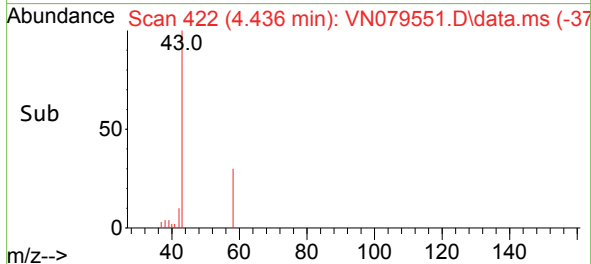
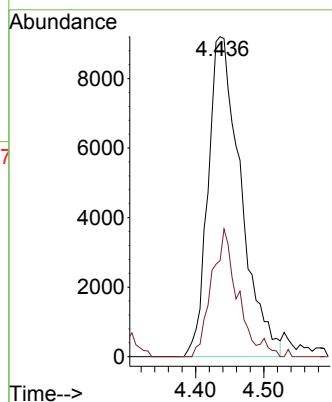
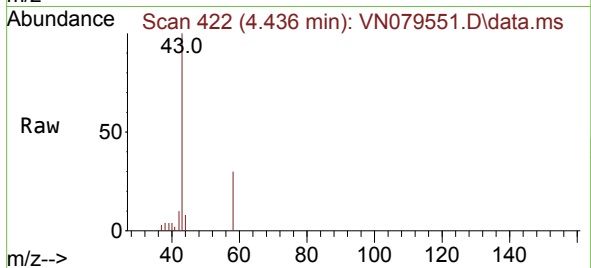
ClientSampleId :

Tgt Ion: 43 Resp: 30745

Ion Ratio Lower Upper

43 100

58 30.0 28.0 42.0



#18

Methyl Acetate

Concen: 0.877 ug/l

RT: 5.047 min Scan# 526

Delta R.T. 0.018 min

Lab File: VN079551.D

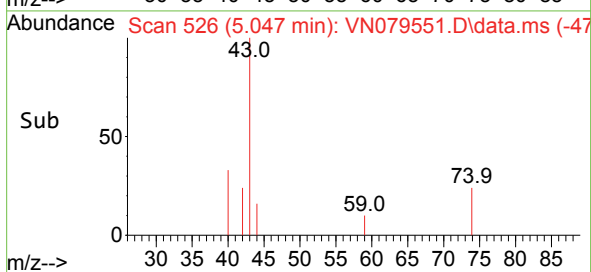
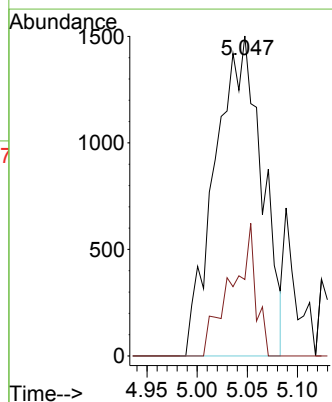
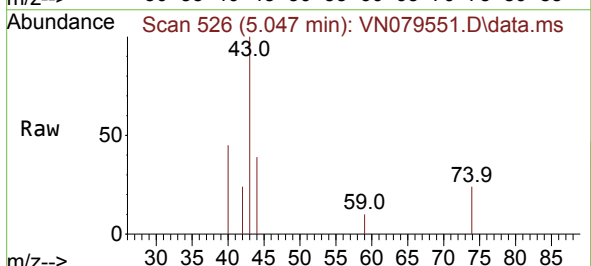
Acq: 12 Oct 2023 17:35

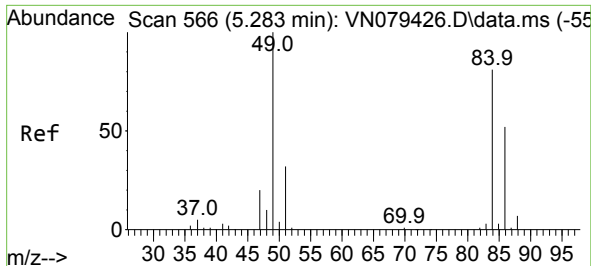
Tgt Ion: 43 Resp: 4845

Ion Ratio Lower Upper

43 100

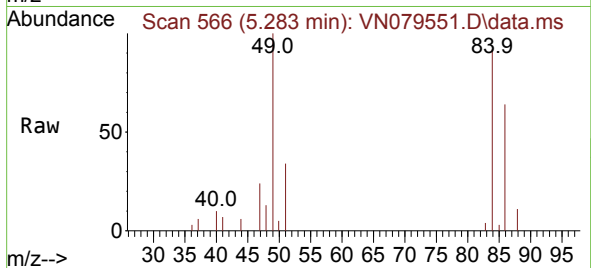
74 21.8 26.2 39.4#



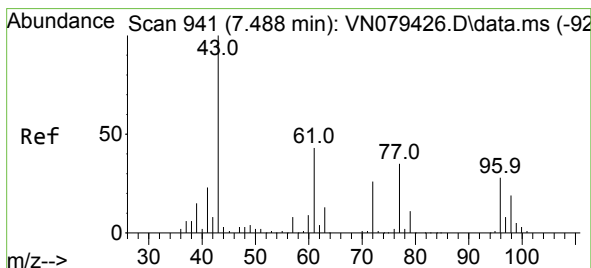
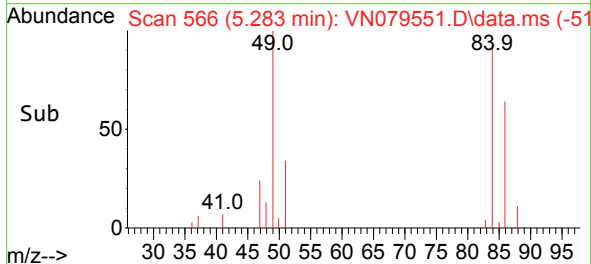
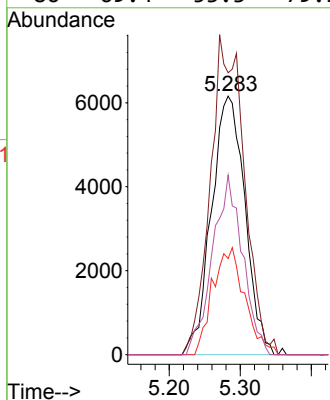


#20
Methylene Chloride
Concen: 7.651 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079551.D
Acq: 12 Oct 2023 17:35

Instrument :
MSVOA_N
ClientSampleId :

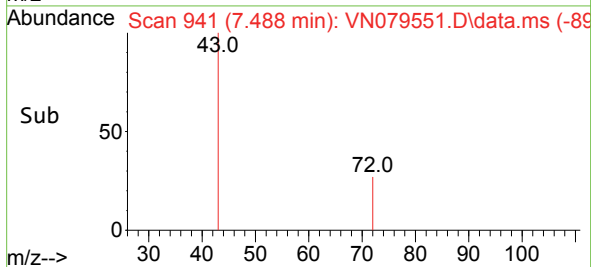
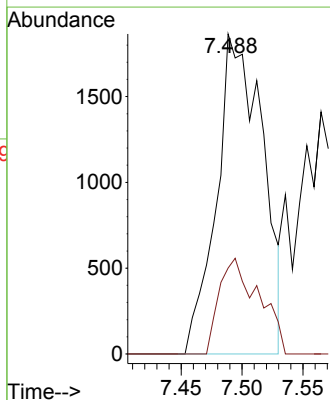
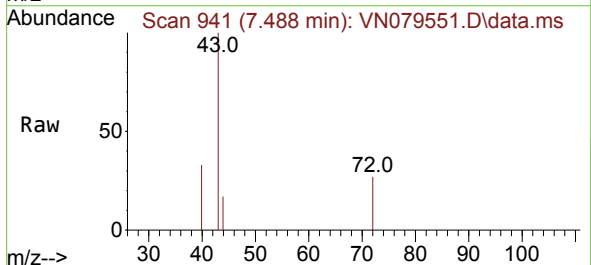


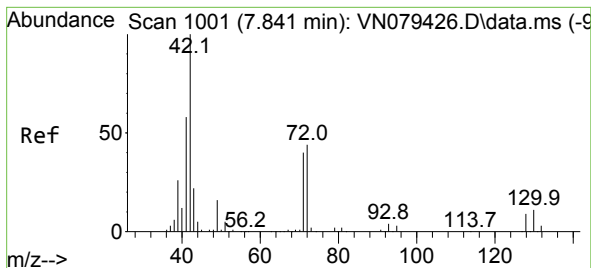
Tgt Ion:	84	Resp:	20171
Ion	Ratio	Lower	Upper
84	100		
49	109.0	79.7	119.5
51	37.2	25.2	37.8
86	69.4	53.3	79.9



#25
2-Butanone
Concen: 2.918 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079551.D
Acq: 12 Oct 2023 17:35

Tgt Ion:	43	Resp:	4888
Ion	Ratio	Lower	Upper
43	100		
72	26.9	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.295 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.018 min

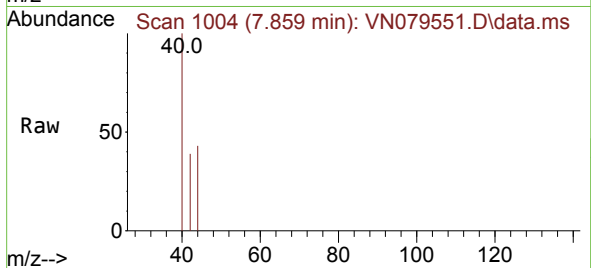
Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

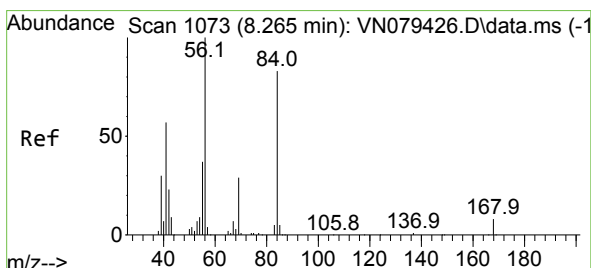
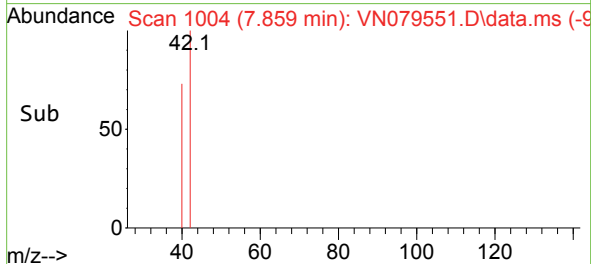
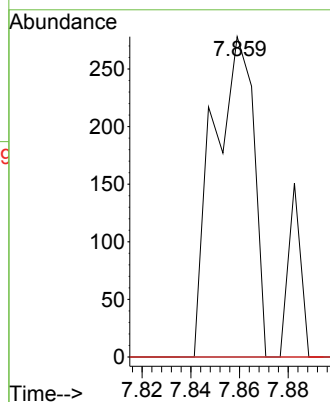
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 320
Ion Ratio	Lower Upper
42	100
72	0.0 49.8 74.6#
71	0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.148 ug/l

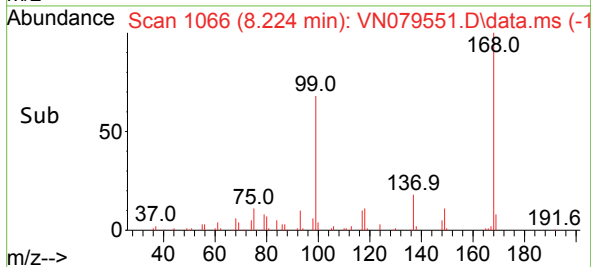
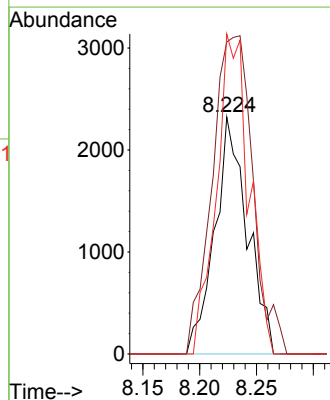
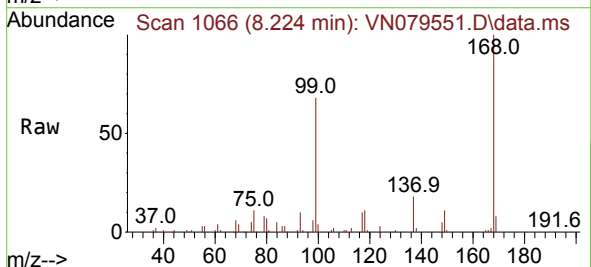
RT: 8.224 min Scan# 1066

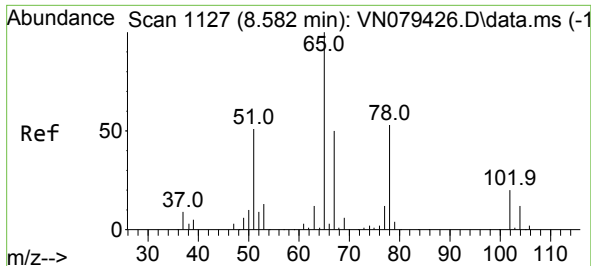
Delta R.T. -0.041 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

Tgt Ion: 56	Resp: 4633
Ion Ratio	Lower Upper
56	100
69	131.7 26.8 40.2#
84	135.1 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 55.803 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

Instrument :

MSVOA_N

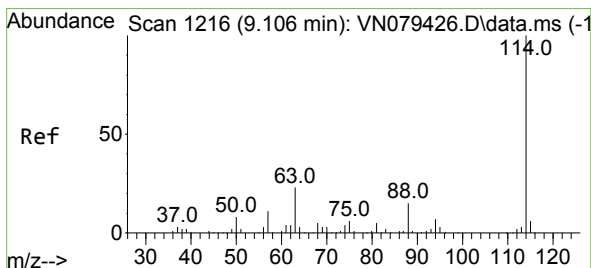
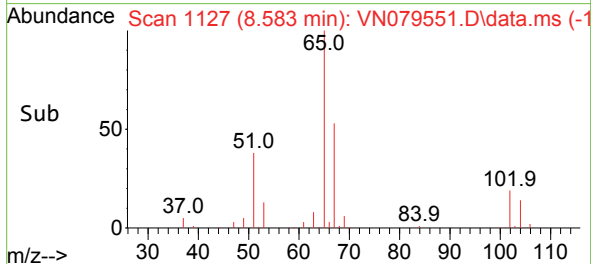
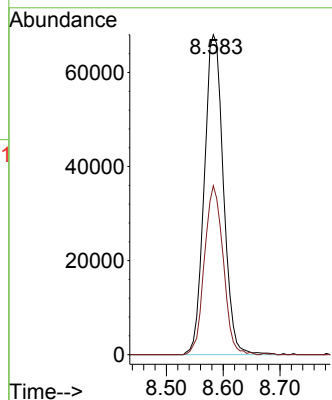
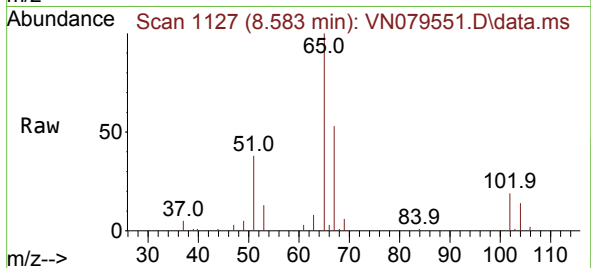
ClientSampleId :

Tgt Ion: 65 Resp: 158799

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

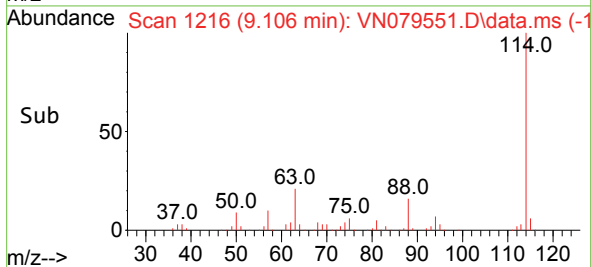
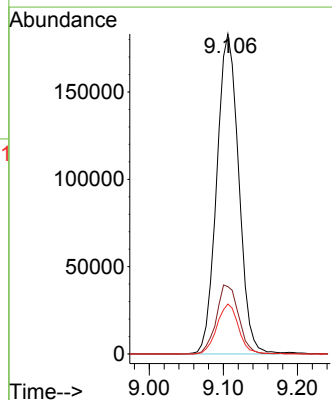
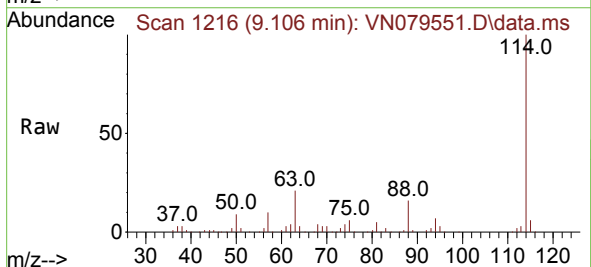
Tgt Ion: 114 Resp: 377502

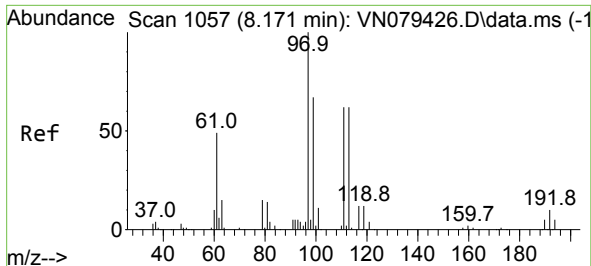
Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.680 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

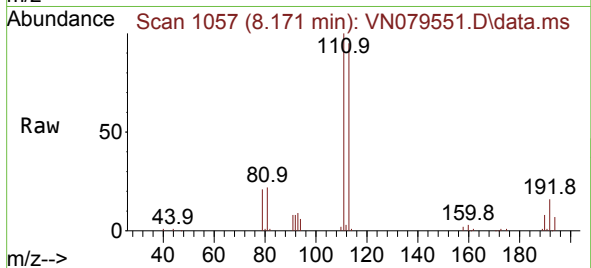
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Acq: 12 Oct 2023 17:35

Instrument :

MSVOA_N

ClientSampleId :



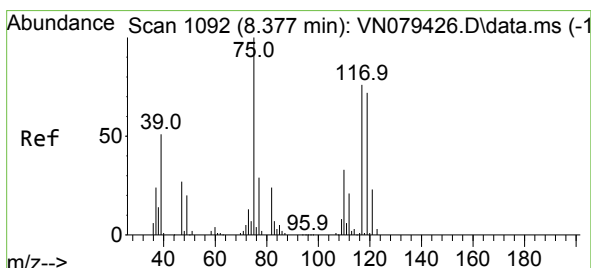
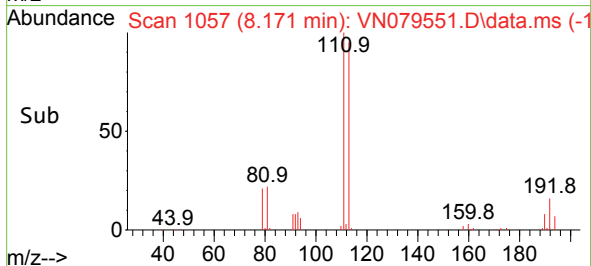
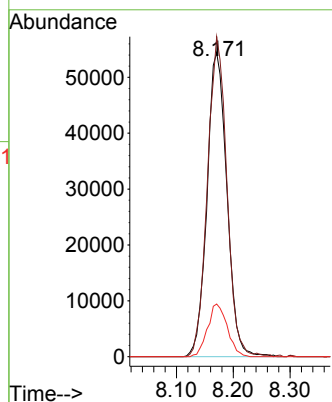
Tgt Ion:113 Resp: 132062

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 17.2 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.205 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

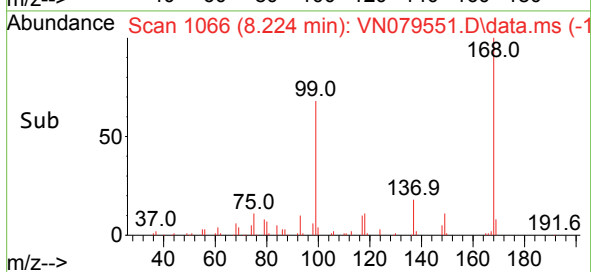
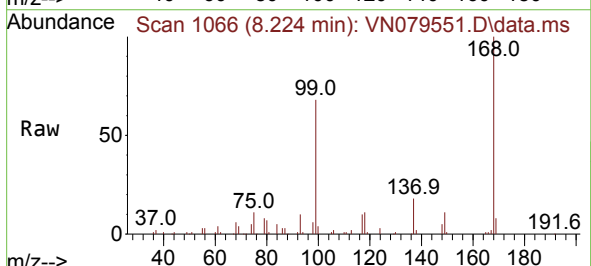
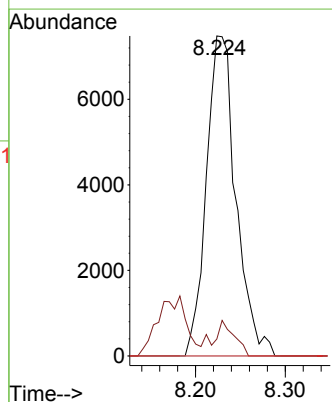
Tgt Ion: 75 Resp: 17121

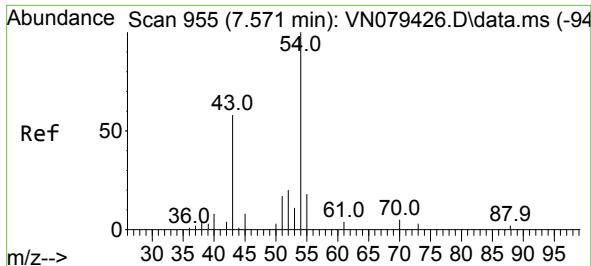
Ion Ratio Lower Upper

75 100

110 7.7 19.1 57.3#

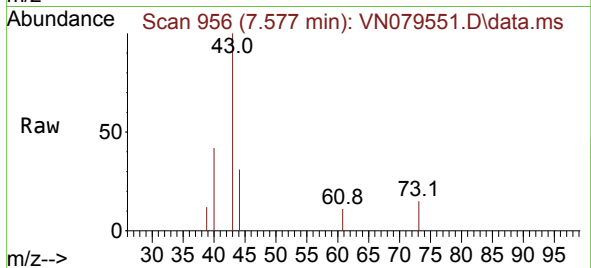
77 0.0 25.0 37.4#



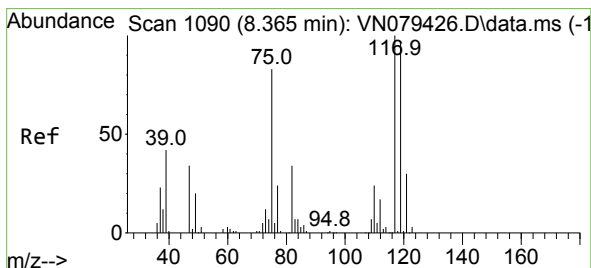
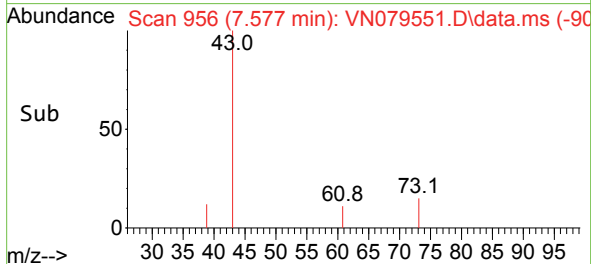
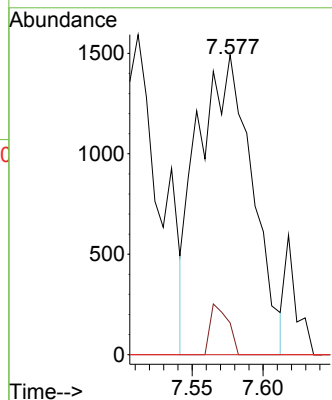


#37
Ethyl Acetate
Concen: 0.982 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079551.D
Acq: 12 Oct 2023 17:35

Instrument :
MSVOA_N
ClientSampleId :

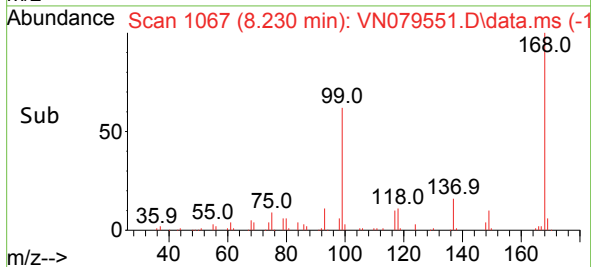
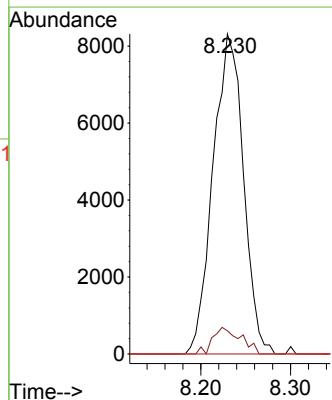
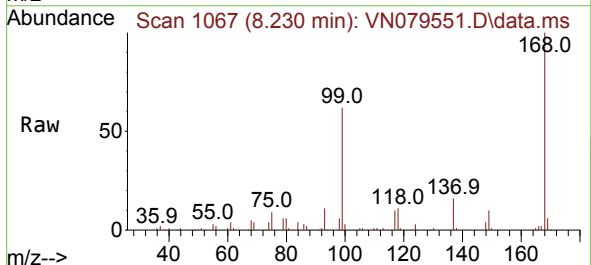


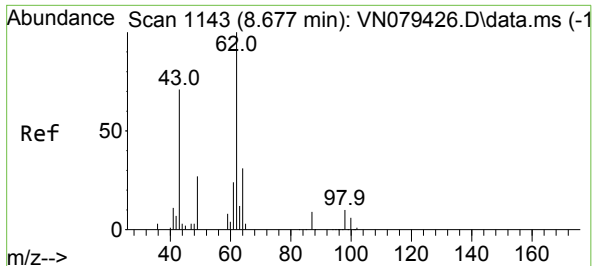
Tgt Ion: 43 Resp: 3979
Ion Ratio Lower Upper
43 100
61 5.5 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.796 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079551.D
Acq: 12 Oct 2023 17:35

Tgt Ion: 117 Resp: 19551
Ion Ratio Lower Upper
117 100
119 7.3 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.388 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.018 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

Instrument :

MSVOA_N

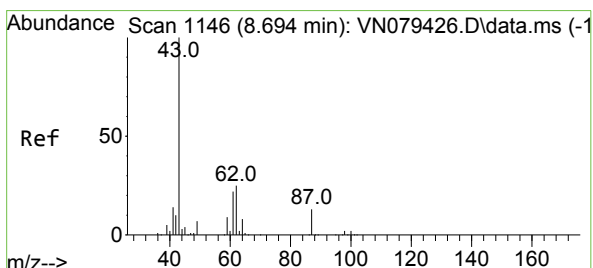
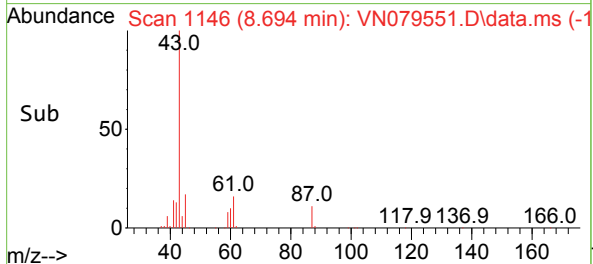
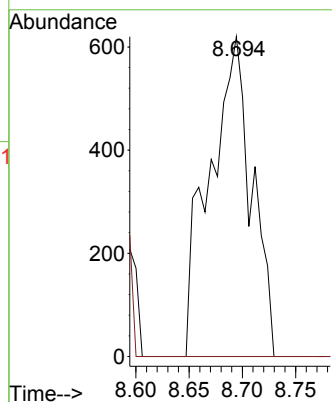
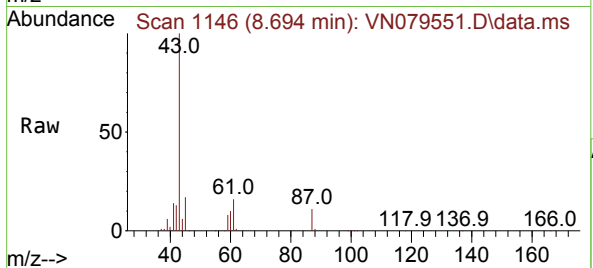
ClientSampleId :

Tgt Ion: 62 Resp: 1705

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 39.947 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

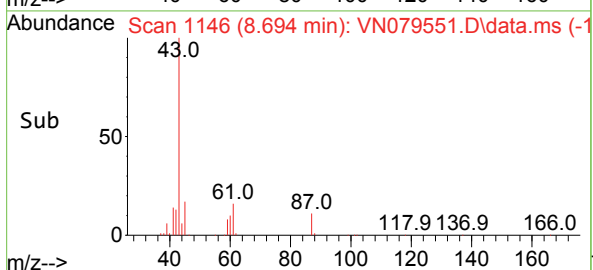
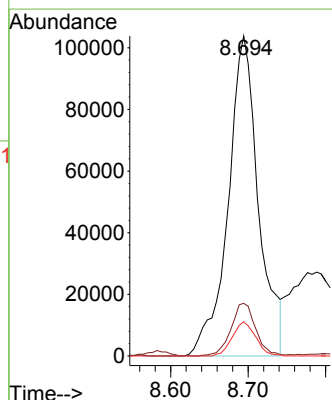
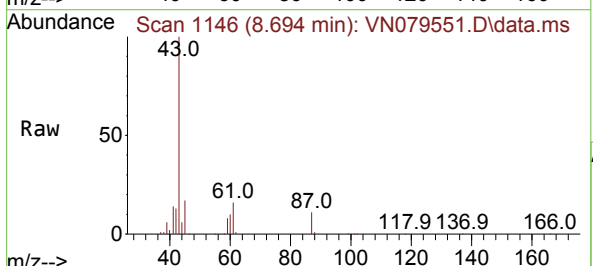
Tgt Ion: 43 Resp: 283542

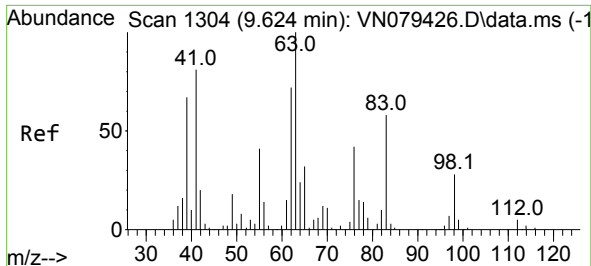
Ion Ratio Lower Upper

43 100

61 13.4 24.7 37.1#

87 8.2 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.741 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.124 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

Instrument :

MSVOA_N

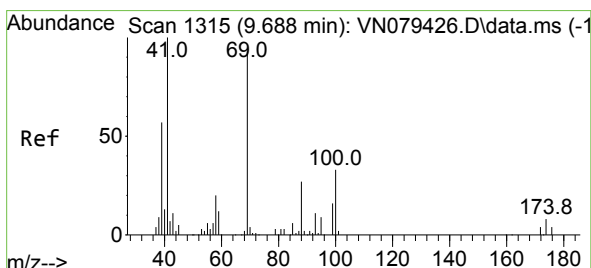
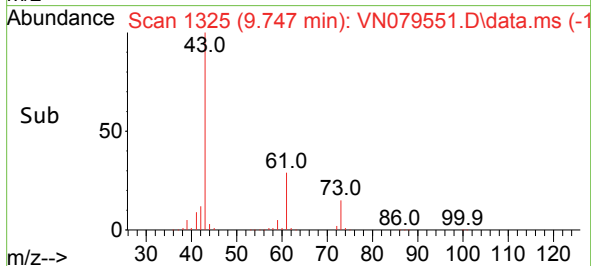
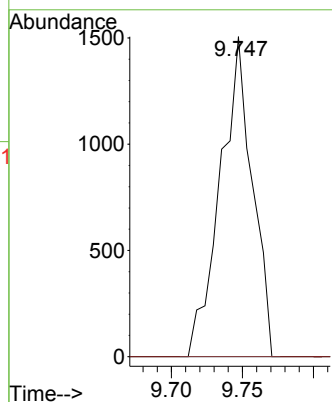
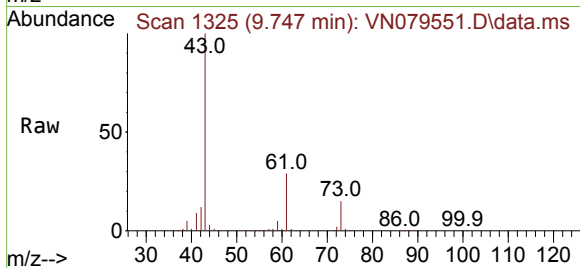
ClientSampleId :

Tgt Ion: 63 Resp: 2362

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.634 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.018 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

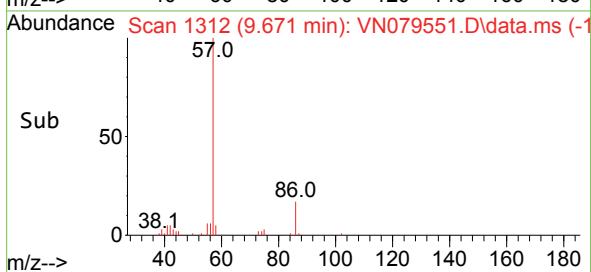
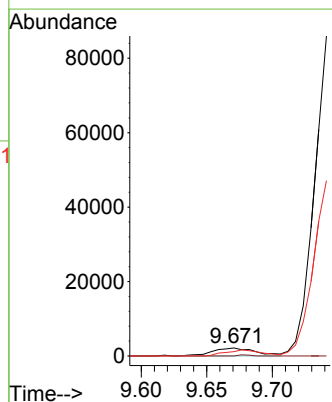
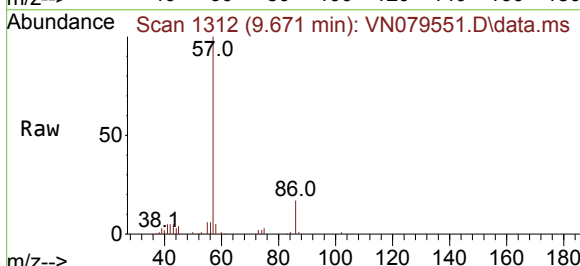
Tgt Ion: 41 Resp: 4970

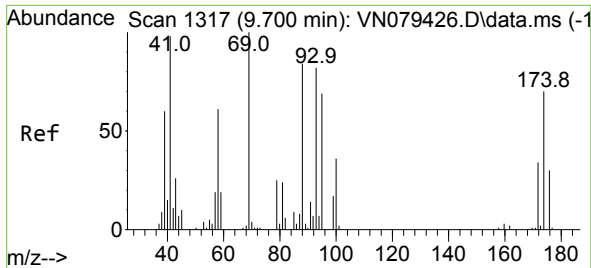
Ion Ratio Lower Upper

41 100

69 3.6 90.4 135.6#

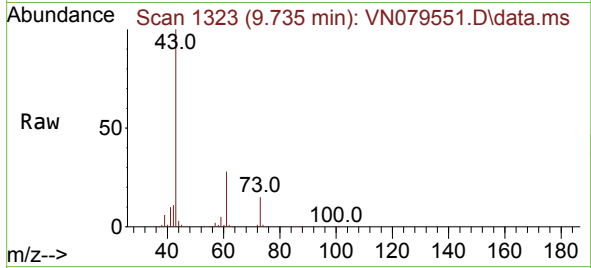
39 62.5 54.6 81.8



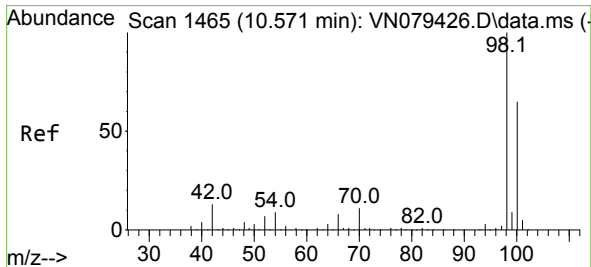
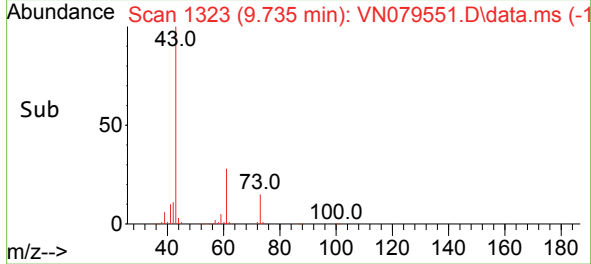
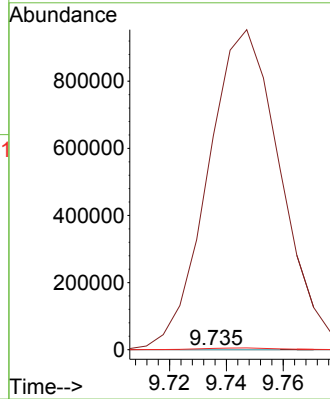


#49
1,4-Dioxane
Concen: 2.588 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN079551.D
Acq: 12 Oct 2023 17:35

Instrument :
MSVOA_N
ClientSampleId :

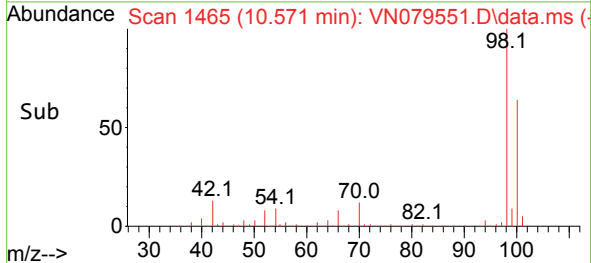
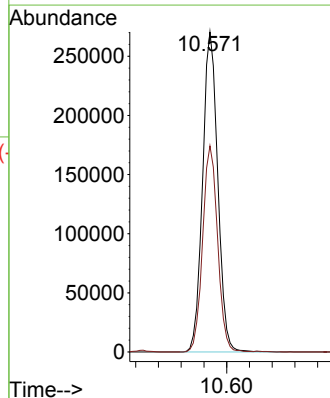
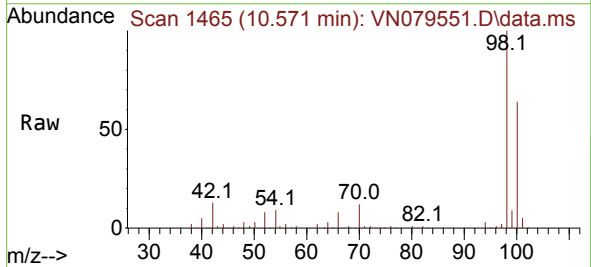


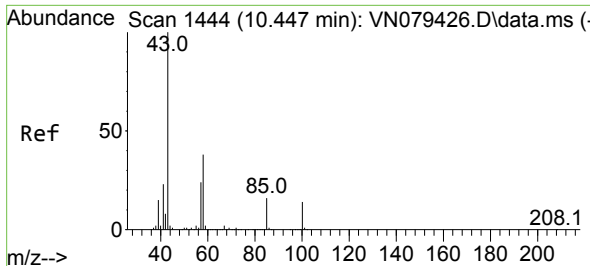
Tgt Ion: 88 Resp: 145
Ion Ratio Lower Upper
88 100
43 1188338.6 17.0 25.6#
58 6808.3 47.0 70.4#



#50
Toluene-d8
Concen: 50.992 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079551.D
Acq: 12 Oct 2023 17:35

Tgt Ion: 98 Resp: 500537
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

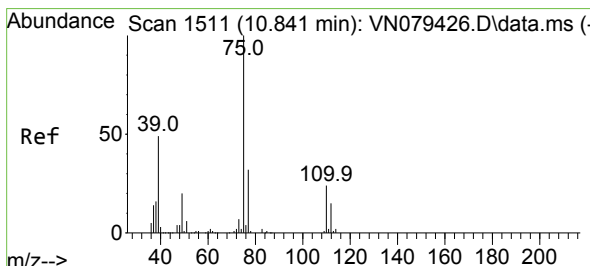
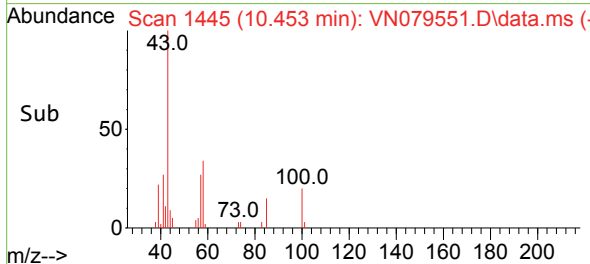
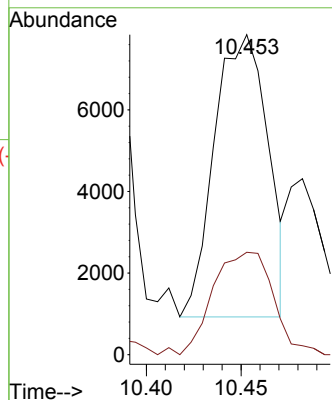
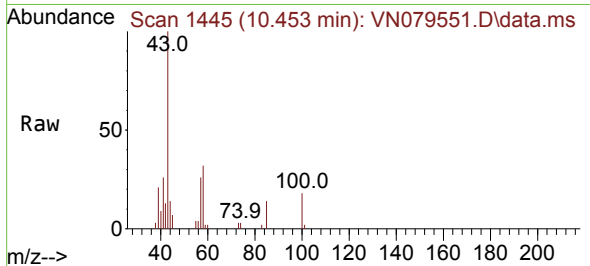




#51
4-Methyl-2-Pentanone
Concen: 3.395 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079551.D
Acq: 12 Oct 2023 17:35

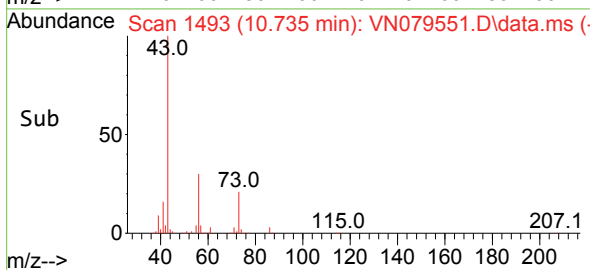
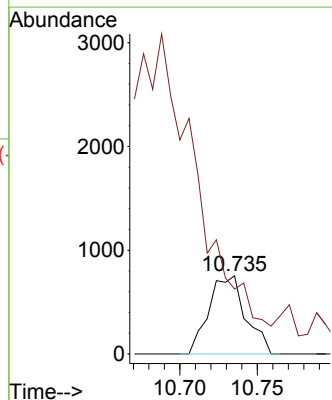
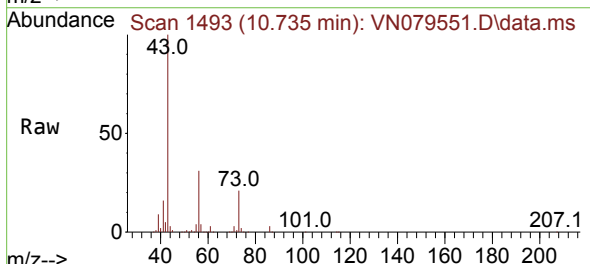
Instrument :
MSVOA_N
ClientSampleId :

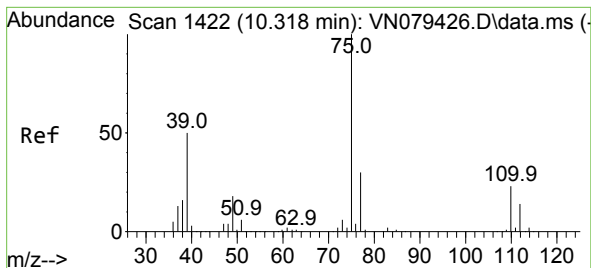
Tgt Ion: 43 Resp: 13602
Ion Ratio Lower Upper
43 100
58 41.2 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.290 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN079551.D
Acq: 12 Oct 2023 17:35

Tgt Ion: 75 Resp: 1242
Ion Ratio Lower Upper
75 100
77 34.3 25.4 38.0





#54

cis-1,3-Dichloropropene

Concen: 13.756 ug/l

RT: 10.365 min Scan# 14

Delta R.T. 0.047 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

Instrument :

MSVOA_N

ClientSampleId :

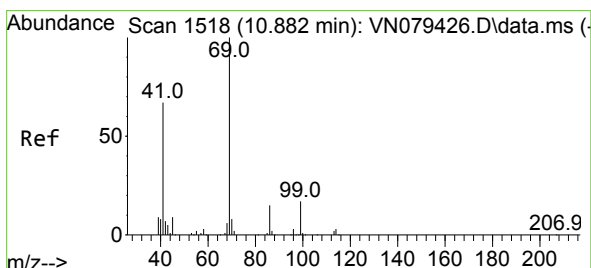
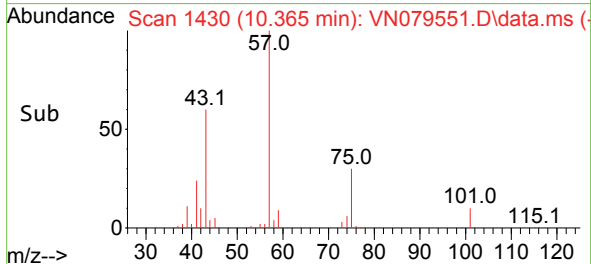
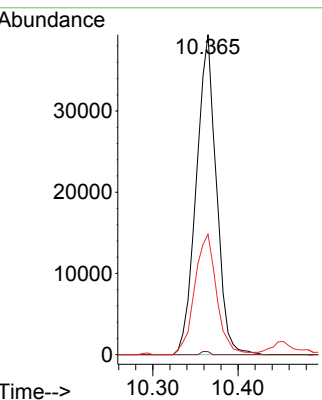
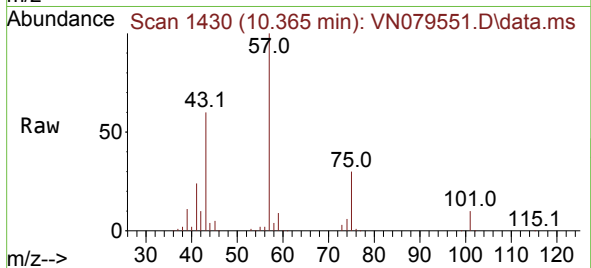
Tgt Ion: 75 Resp: 64414

Ion Ratio Lower Upper

75 100

77 1.0 26.1 39.1#

39 37.6 31.6 47.4



#56

Ethyl methacrylate

Concen: 0.819 ug/l

RT: 10.988 min Scan# 1536

Delta R.T. 0.106 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

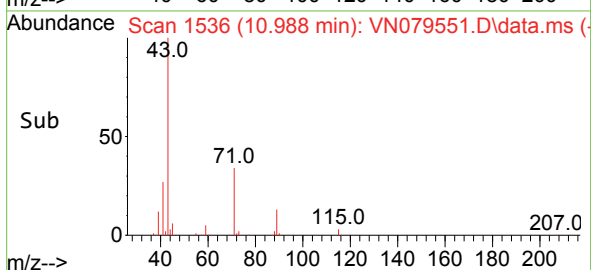
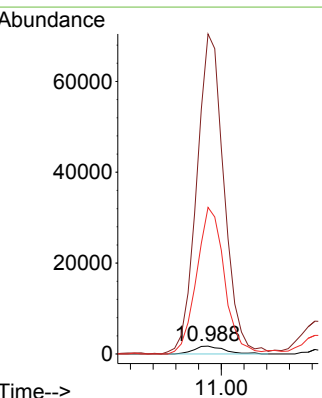
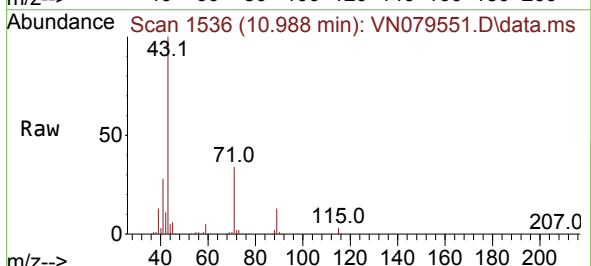
Tgt Ion: 69 Resp: 3215

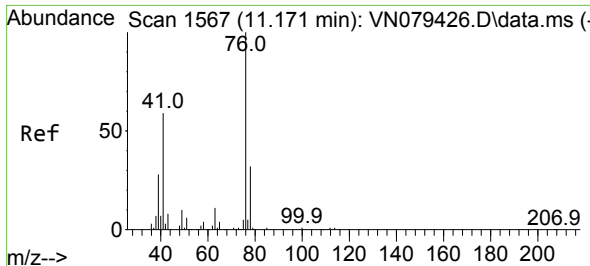
Ion Ratio Lower Upper

69 100

41 3677.2 39.6 59.4#

39 1705.3 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.689 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

Instrument :

MSVOA_N

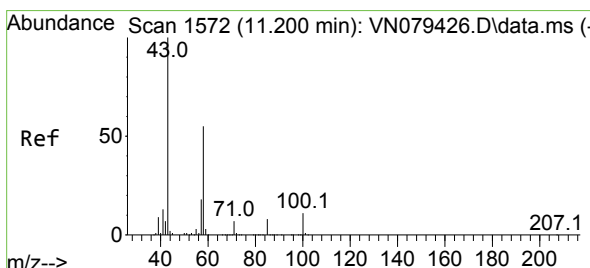
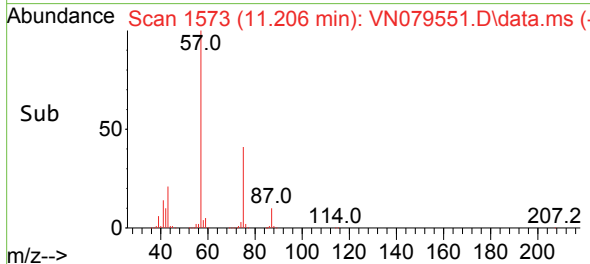
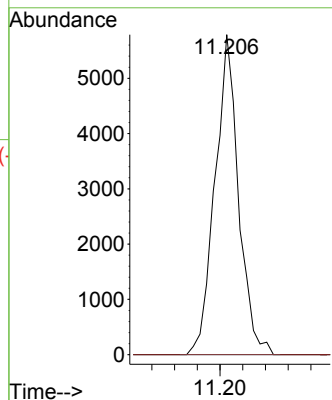
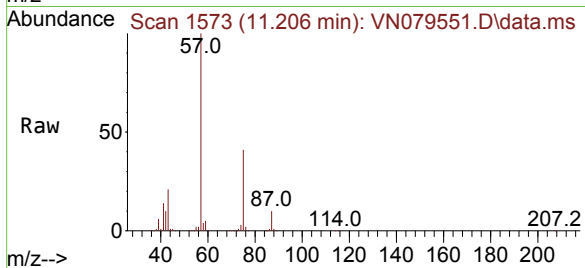
ClientSampleId :

Tgt Ion: 76 Resp: 8333

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 53.804 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN079551.D

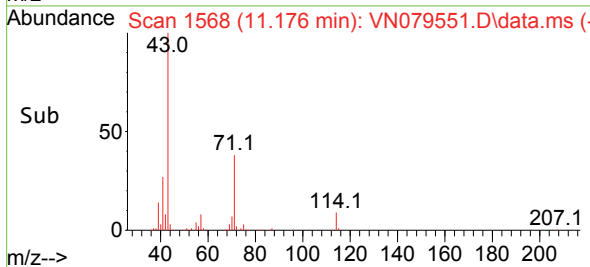
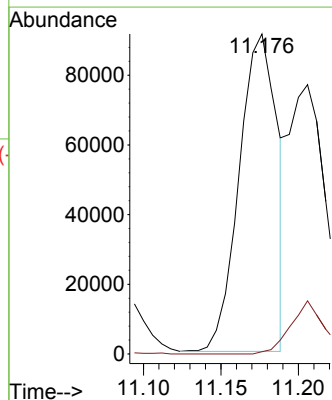
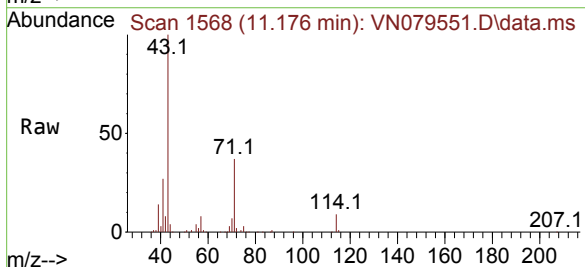
Acq: 12 Oct 2023 17:35

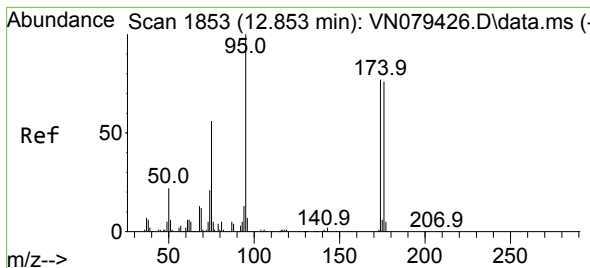
Tgt Ion: 43 Resp: 155563

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

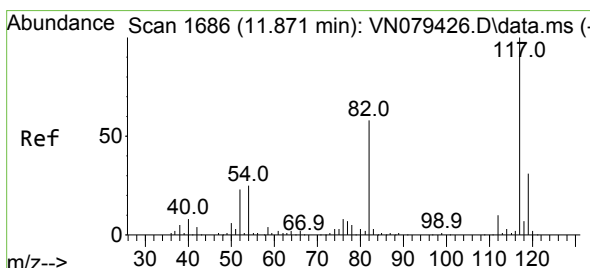
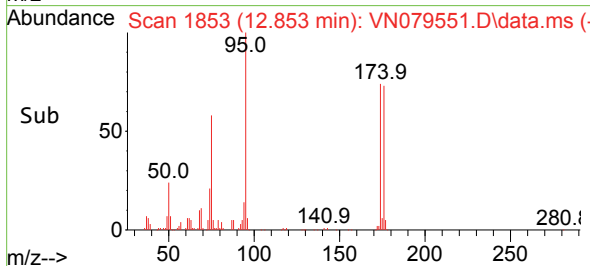
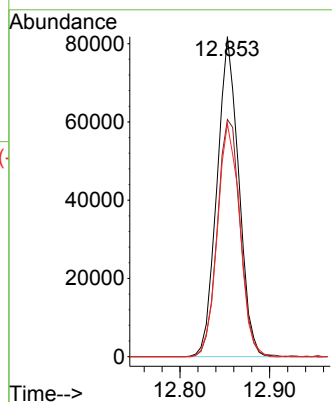
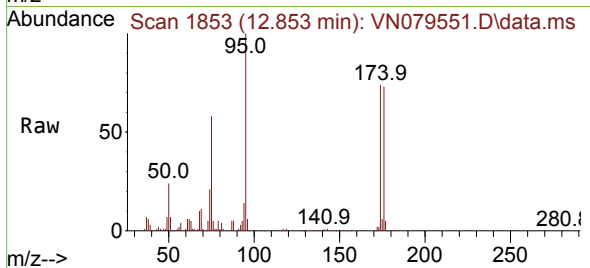




#62
4-Bromofluorobenzene
Concen: 43.666 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079551.D
Acq: 12 Oct 2023 17:35

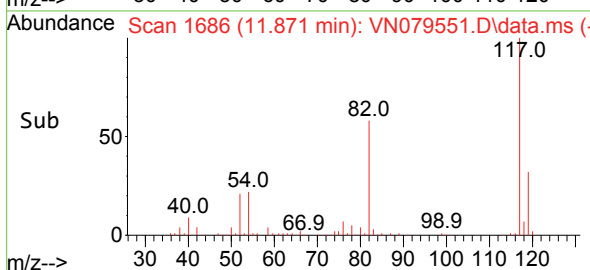
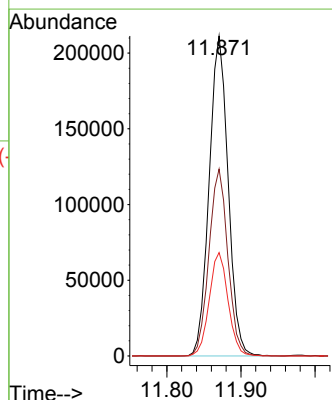
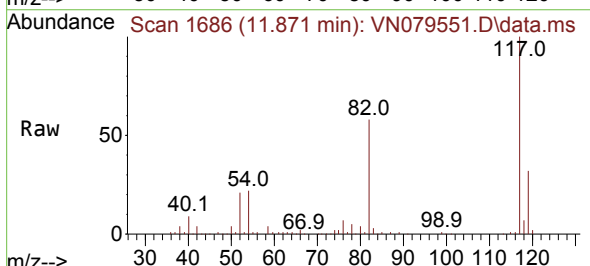
Instrument :
MSVOA_N
ClientSampleId :

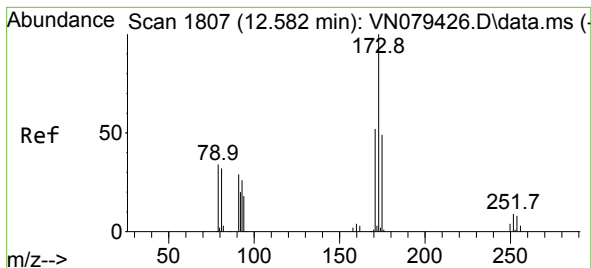
Tgt Ion: 95 Resp: 137553
Ion Ratio Lower Upper
95 100
174 77.8 0.0 143.8
176 75.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079551.D
Acq: 12 Oct 2023 17:35

Tgt Ion: 117 Resp: 374904
Ion Ratio Lower Upper
117 100
82 58.4 44.0 66.0
119 32.3 25.6 38.4





#71

Bromoform

Concen: 0.519 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

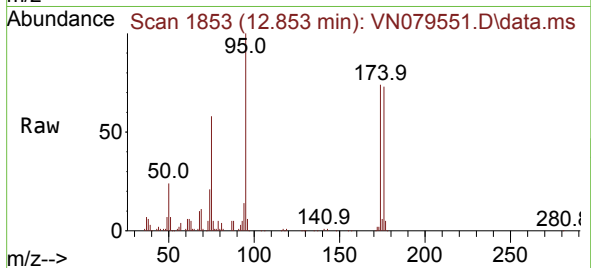
Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

Instrument :

MSVOA_N

ClientSampleId :



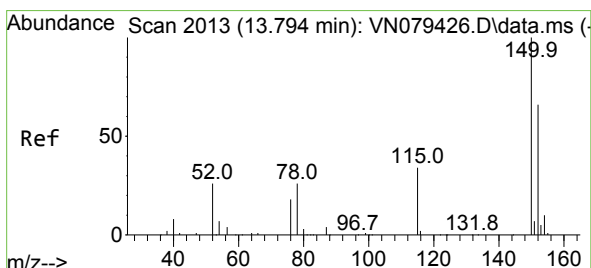
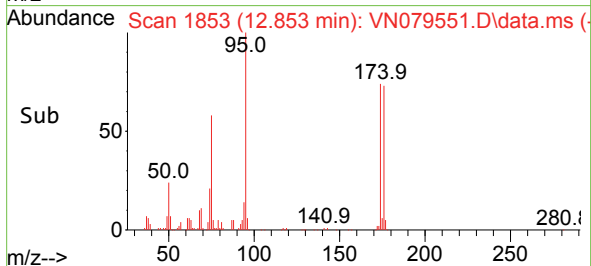
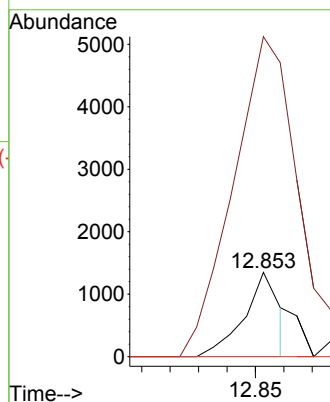
Tgt Ion:173 Resp: 1162

Ion Ratio Lower Upper

173 100

175 547.7 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

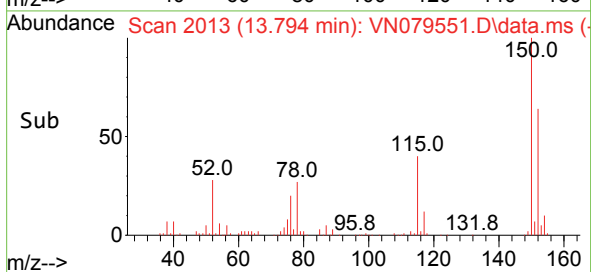
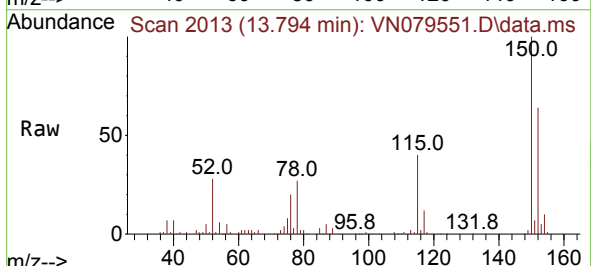
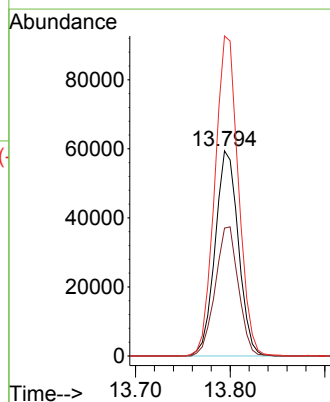
Tgt Ion:152 Resp: 101457

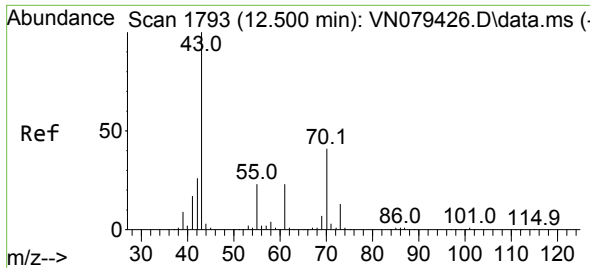
Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 157.8 0.0 355.8

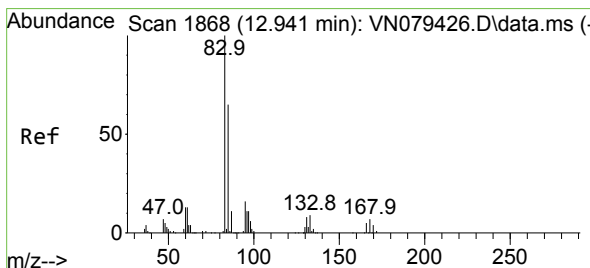
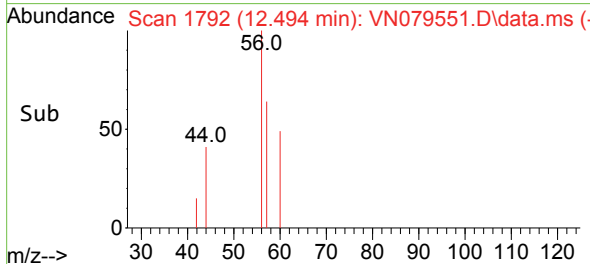
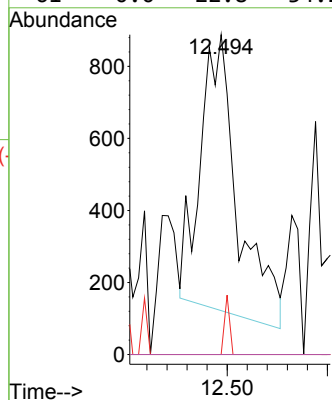
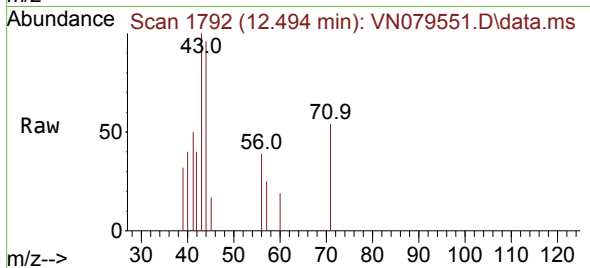




#74
N-amy1 acetate
Concen: 0.508 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079551.D
Acq: 12 Oct 2023 17:35

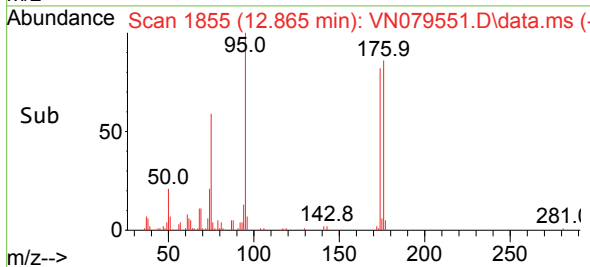
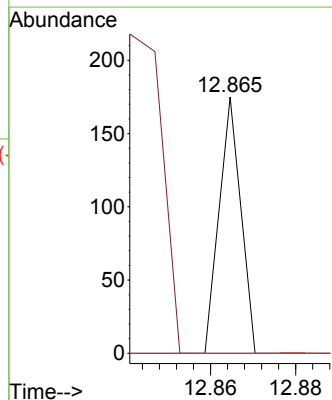
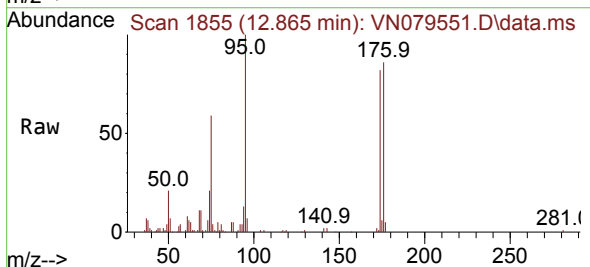
Instrument :
MSVOA_N
ClientSampleId :

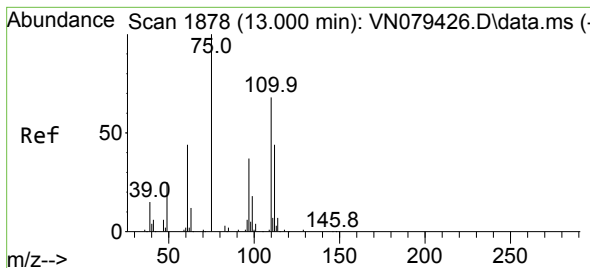
Tgt Ion: 43	Resp: 1966
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 3.0	21.4 32.0#
61 0.0	22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.865 min Scan# 1855
Delta R.T. -0.076 min
Lab File: VN079551.D
Acq: 12 Oct 2023 17:35

Tgt Ion: 83	Resp: 62
Ion Ratio	Lower Upper
83 100	
131 0.0	5.0 15.0#
85 0.0	31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 26.904 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

Instrument :

MSVOA_N

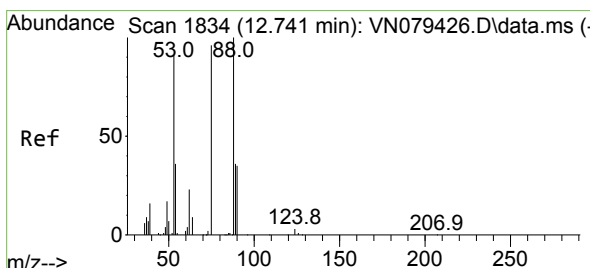
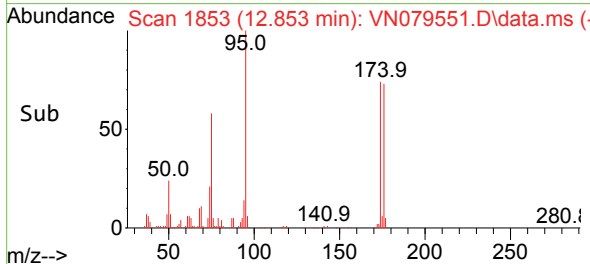
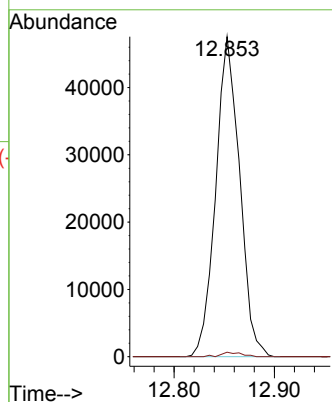
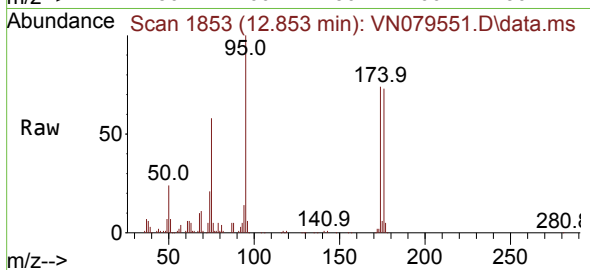
ClientSampleId :

Tgt Ion: 75 Resp: 78701

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.062 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079551.D

Acq: 12 Oct 2023 17:35

Tgt Ion: 75 Resp: 78701

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

