

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102323\
 Data File : VN079652.D
 Acq On : 23 Oct 2023 16:36
 Operator : JC\MD
 Sample : 04989-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 23 23:53:05 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)

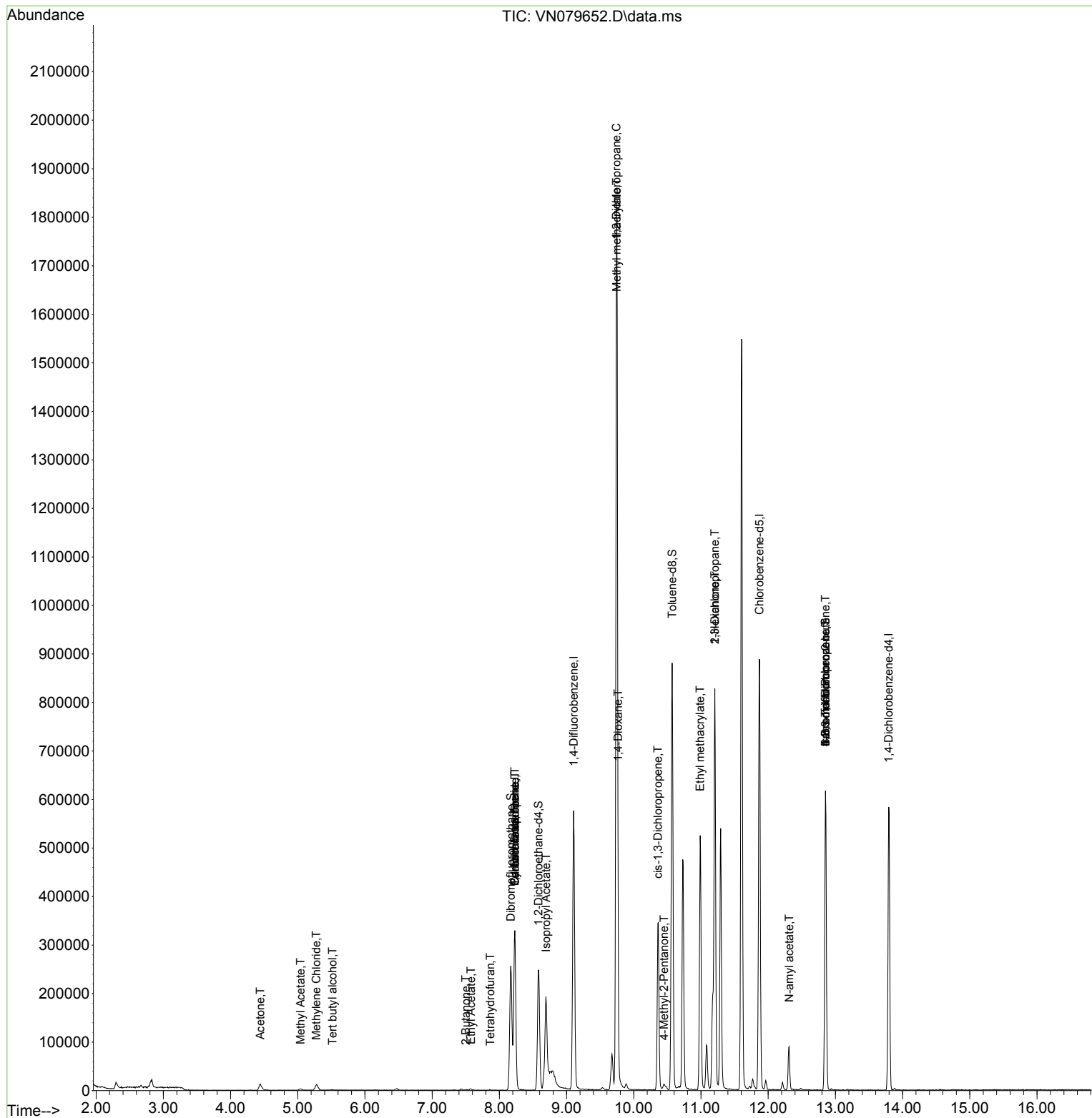
Internal Standards						
1) Pentafluorobenzene	8.230	168	224778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	472558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	495122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	155349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	203530	55.844	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.680%			
35) Dibromofluoromethane	8.171	113	183969	54.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.340%			
50) Toluene-d8	10.571	98	589829	48.002	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.000%			
62) 4-Bromofluorobenzene	12.853	95	203007	51.481	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.960%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	128	0.233	ug/l #	72
16) Acetone	4.442	43	23217	16.061	ug/l #	85
18) Methyl Acetate	5.042	43	5414	0.765	ug/l #	62
20) Methylene Chloride	5.277	84	8364	2.065	ug/l #	68
25) 2-Butanone	7.500	43	1821	0.849	ug/l	90
29) Tetrahydrofuran	7.865	42	443	0.319	ug/l #	20
31) Cyclohexane	8.230	56	6708	1.298	ug/l #	17
36) 1,1-Dichloropropene	8.230	75	22067	4.330	ug/l #	45
37) Ethyl Acetate	7.577	43	4335	0.855	ug/l #	70
38) Carbon Tetrachloride	8.230	117	25727	5.042	ug/l #	18
43) Isopropyl Acetate	8.694	43	229641	25.845	ug/l #	74
45) 1,2-Dichloropropane	9.741	63	1966	0.493	ug/l #	45
48) Methyl methacrylate	9.747	41	172274	45.246	ug/l #	29
49) 1,4-Dioxane	9.765	88	54	0.770	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	13768	2.745	ug/l #	61
54) cis-1,3-Dichloropropene	10.359	75	58423	9.967	ug/l #	71
56) Ethyl methacrylate	10.988	69	3148	0.640	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8611	1.394	ug/l #	42
59) 2-Hexanone	11.206	43	101784	28.122	ug/l #	47
71) Bromoform	12.853	173	1815	0.614	ug/l #	1
74) N-amyl acetate	12.312	43	28395	4.792	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.865	83	72	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	111695	24.937	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	111695	72.355	ug/l #	15

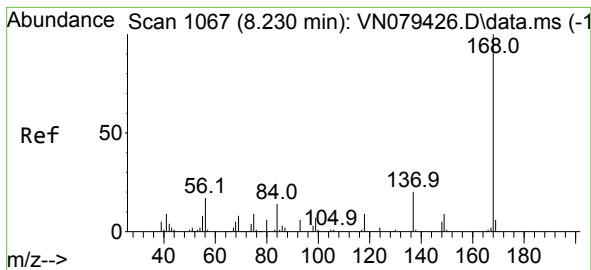
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1

Delta R.T. -0.000 min

Lab File: VN079652.D

Acq: 23 Oct 2023 16:36

Instrument :

MSVOA_N

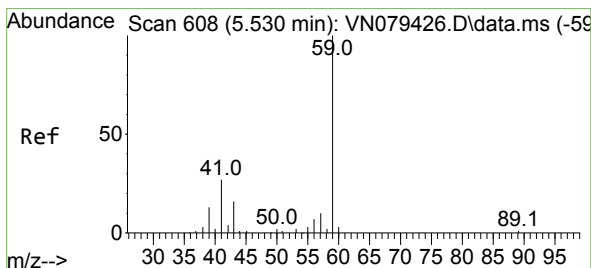
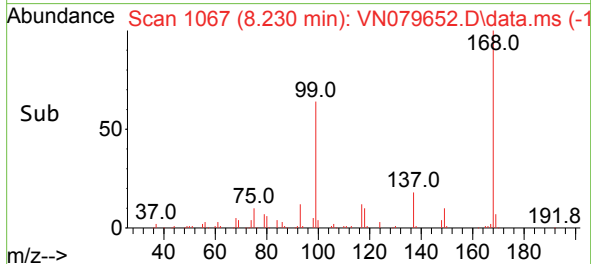
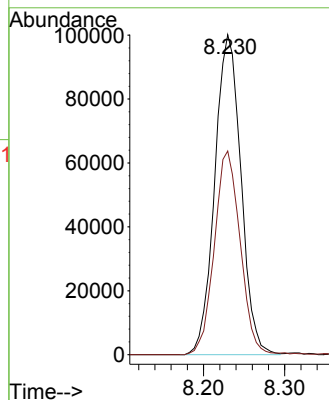
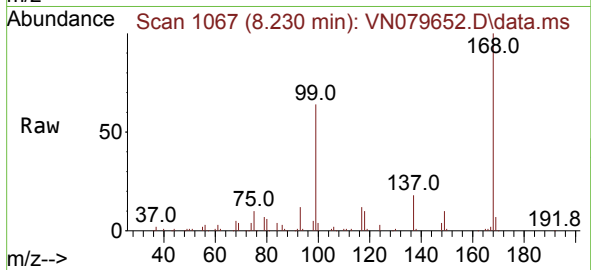
ClientSampleId :

Tgt Ion:168 Resp: 224778

Ion Ratio Lower Upper

168 100

99 63.7 53.0 79.6



#11

Tert butyl alcohol

Concen: 0.233 ug/l

RT: 5.518 min Scan# 606

Delta R.T. -0.012 min

Lab File: VN079652.D

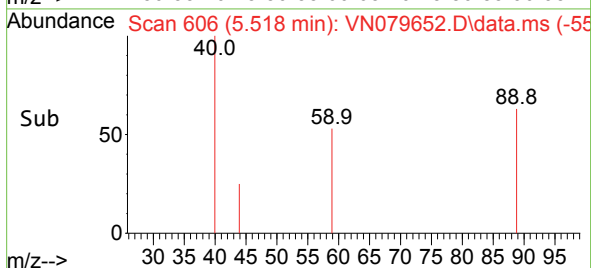
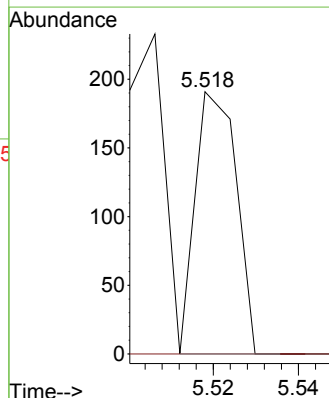
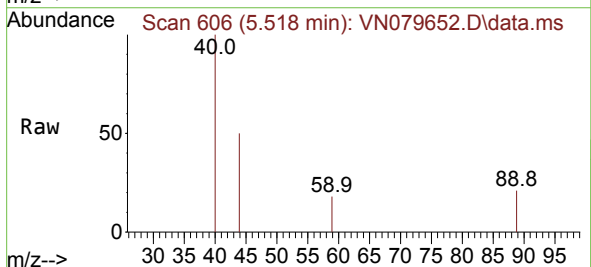
Acq: 23 Oct 2023 16:36

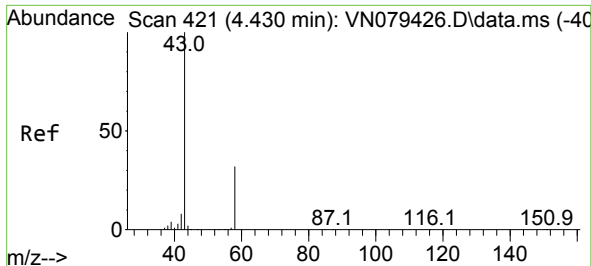
Tgt Ion: 59 Resp: 128

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

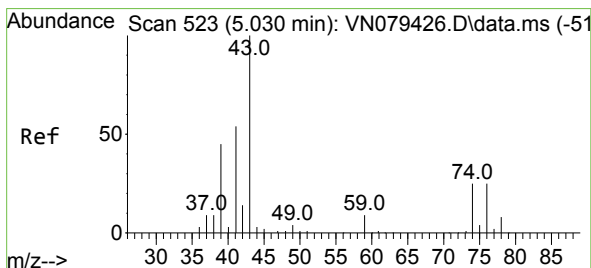
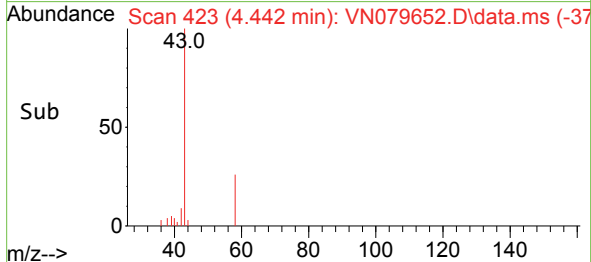
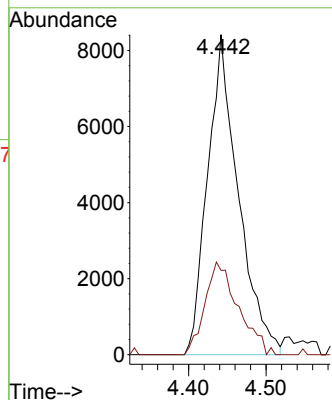
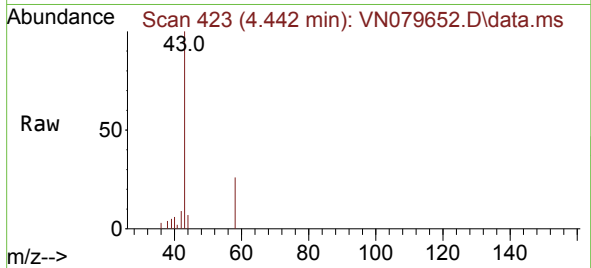




#16
Acetone
Concen: 16.061 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

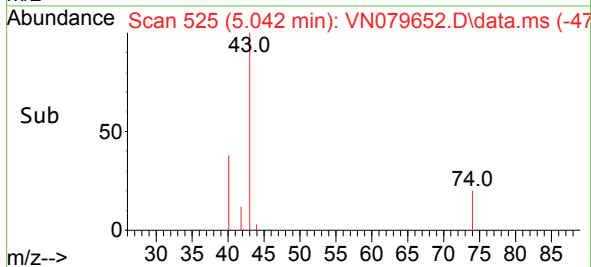
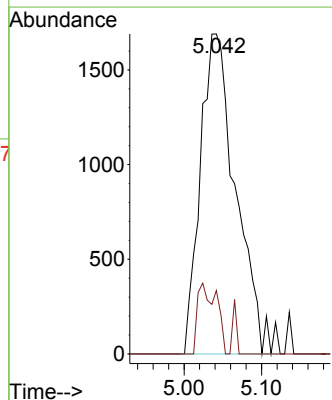
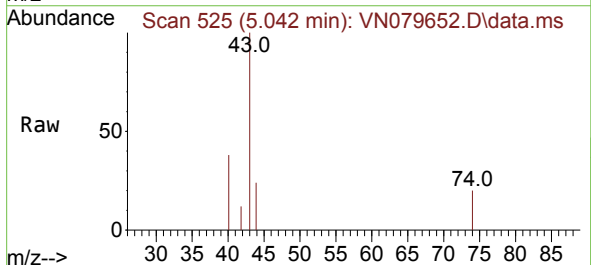
Instrument :
MSVOA_N
ClientSampleId :

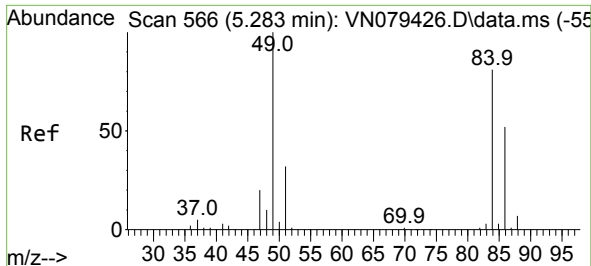
Tgt Ion: 43 Resp: 23217
Ion Ratio Lower Upper
43 100
58 26.4 28.0 42.0#



#18
Methyl Acetate
Concen: 0.765 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

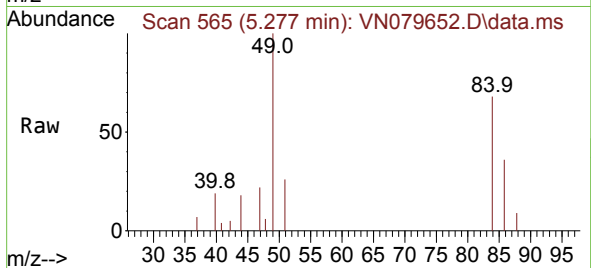
Tgt Ion: 43 Resp: 5414
Ion Ratio Lower Upper
43 100
74 11.6 26.2 39.4#



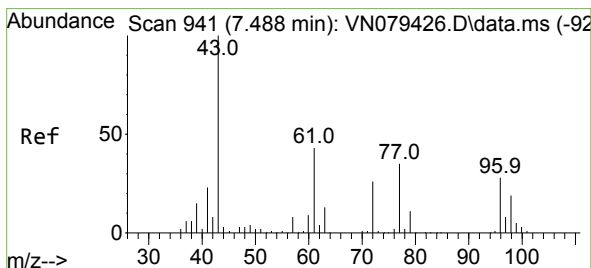
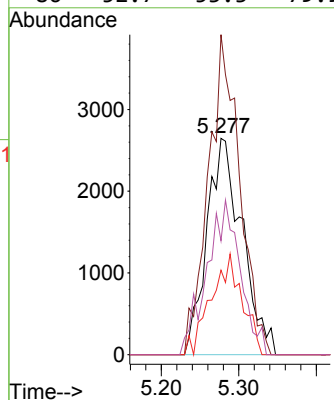


#20
Methylene Chloride
Concen: 2.065 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

Instrument :
MSVOA_N
ClientSampleId :

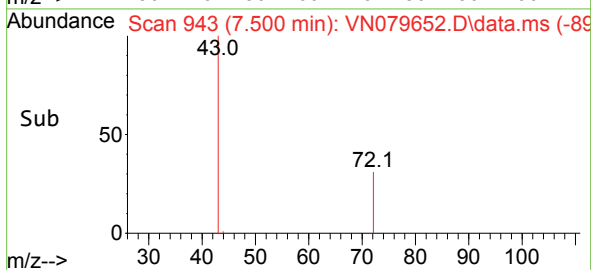
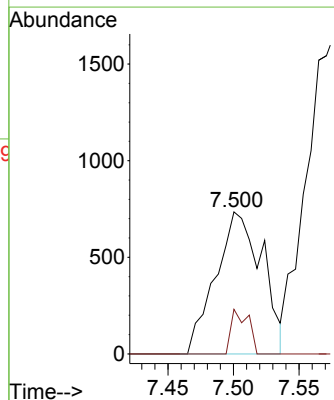
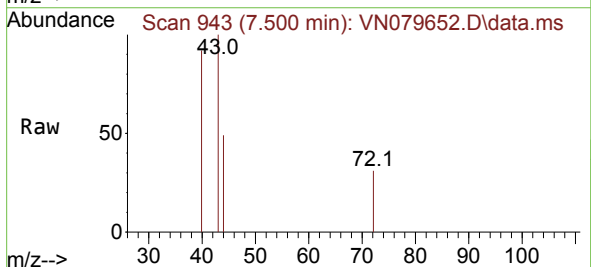


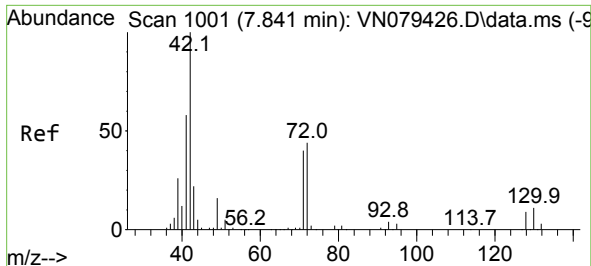
Tgt Ion:	84	Resp:	8364
Ion	Ratio	Lower	Upper
84	100		
49	147.9	79.7	119.5#
51	39.1	25.2	37.8#
86	52.7	53.3	79.9#



#25
2-Butanone
Concen: 0.849 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

Tgt Ion:	43	Resp:	1821
Ion	Ratio	Lower	Upper
43	100		
72	31.4	30.2	45.2





#29

Tetrahydrofuran

Concen: 0.319 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.024 min

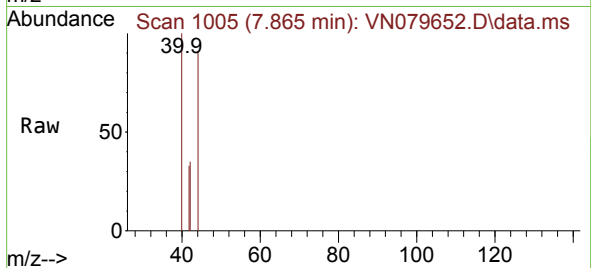
Lab File: VN079652.D

Acq: 23 Oct 2023 16:36

Instrument :

MSVOA_N

ClientSampleId :



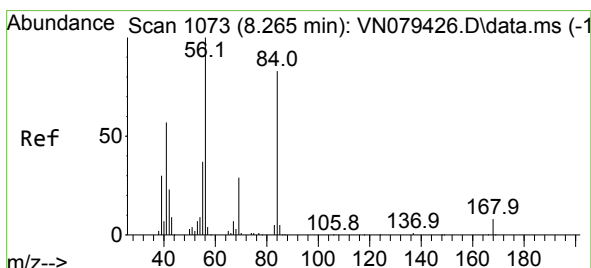
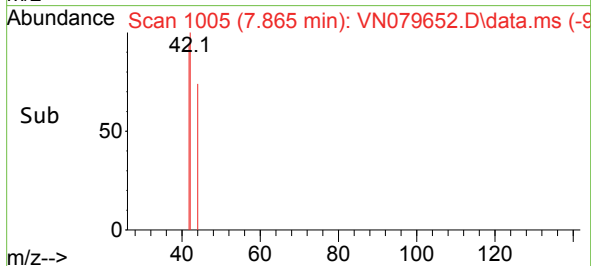
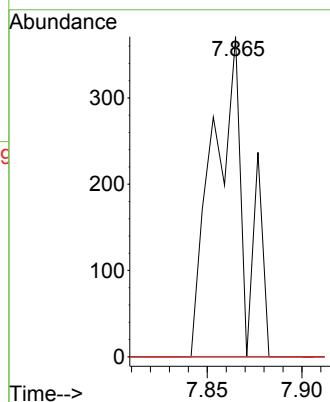
Tgt Ion: 42 Resp: 443

Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.298 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN079652.D

Acq: 23 Oct 2023 16:36

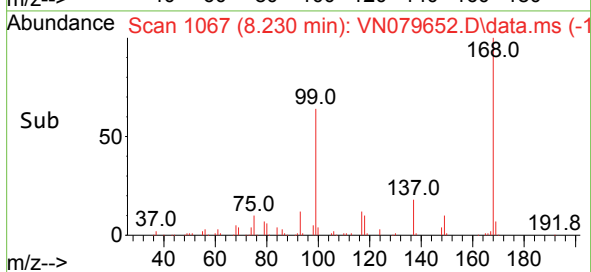
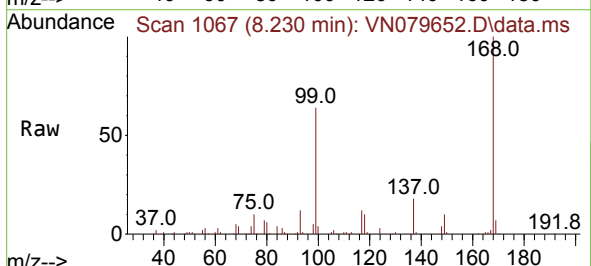
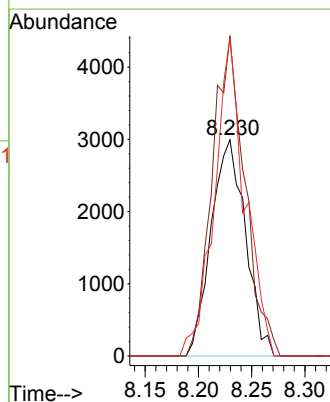
Tgt Ion: 56 Resp: 6708

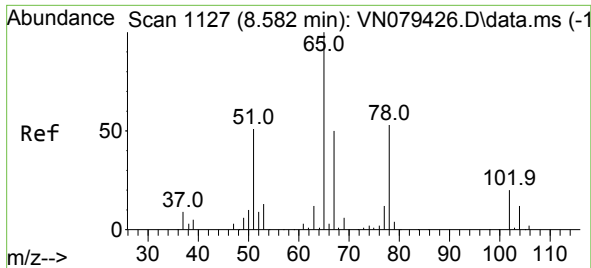
Ion Ratio Lower Upper

56 100

69 148.0 26.8 40.2#

84 147.3 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 55.844 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079652.D

Acq: 23 Oct 2023 16:36

Instrument :

MSVOA_N

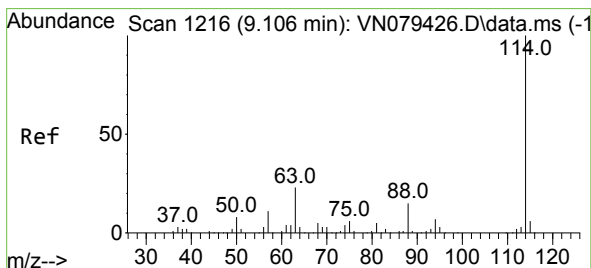
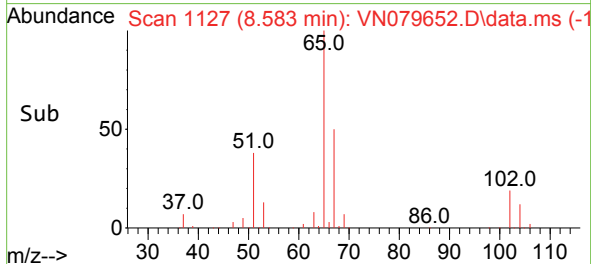
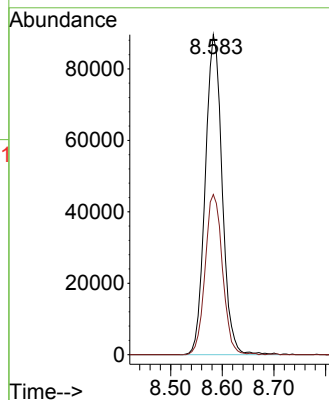
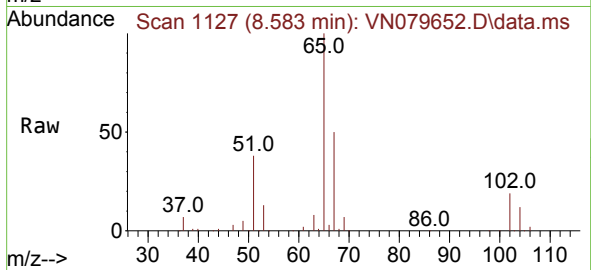
ClientSampleId :

Tgt Ion: 65 Resp: 203530

Ion Ratio Lower Upper

65 100

67 51.2 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: VN079652.D

Acq: 23 Oct 2023 16:36

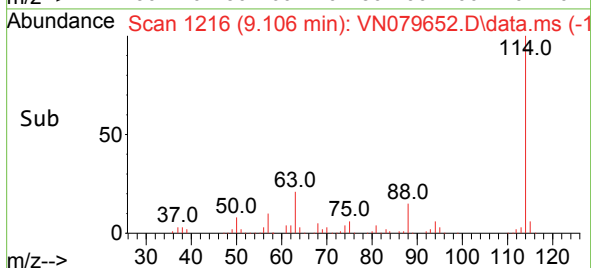
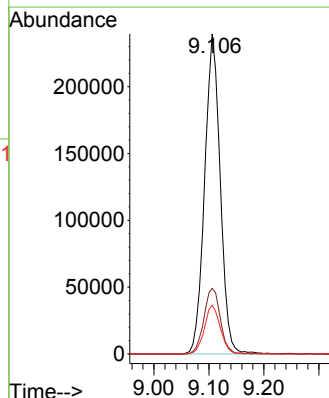
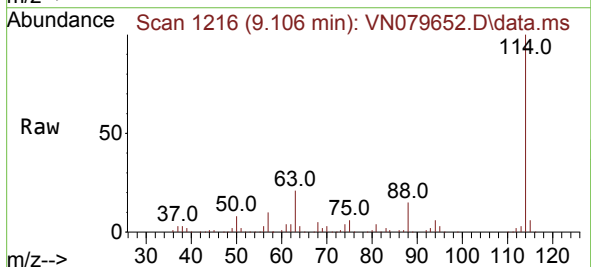
Tgt Ion: 114 Resp: 472558

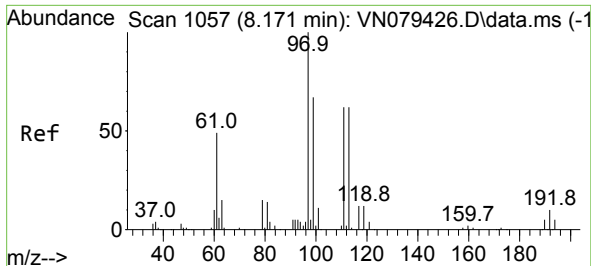
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

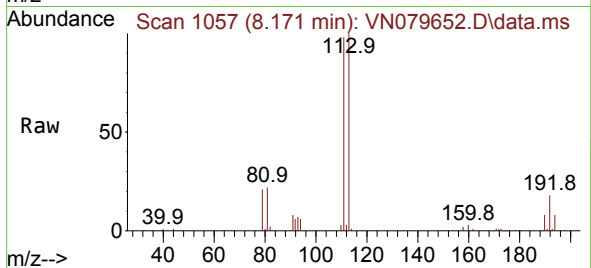
88 15.3 0.0 30.6



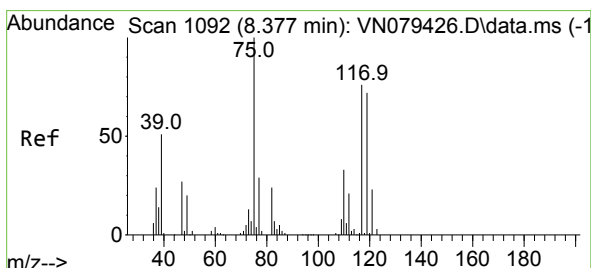
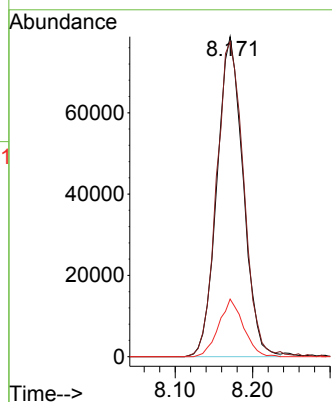
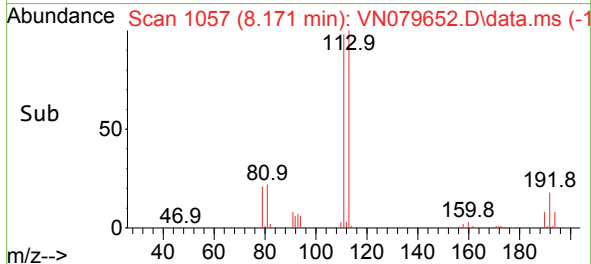


#35
Dibromofluoromethane
Concen: 54.173 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

Instrument :
MSVOA_N
ClientSampleId :

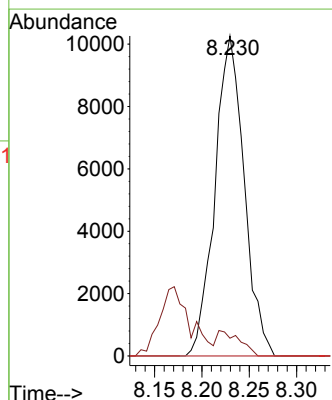
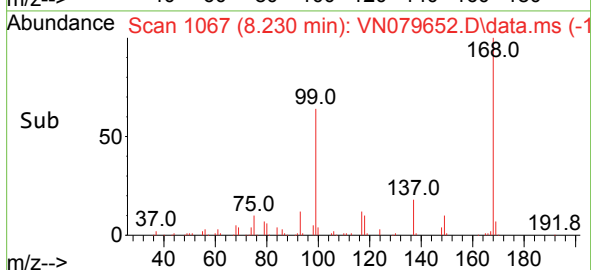
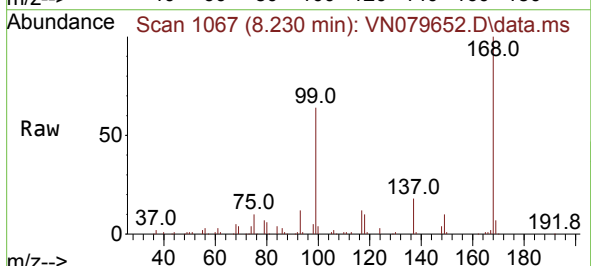


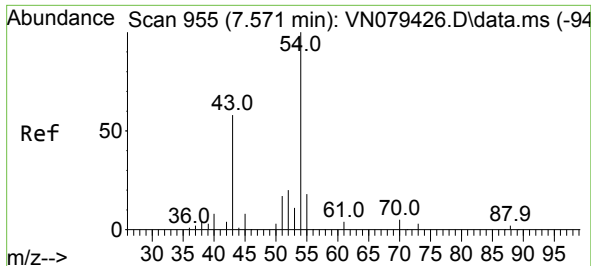
Tgt Ion:113 Resp: 183969
Ion Ratio Lower Upper
113 100
111 102.1 82.6 123.8
192 17.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.330 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

Tgt Ion: 75 Resp: 22067
Ion Ratio Lower Upper
75 100
110 6.1 19.1 57.3#
77 0.0 25.0 37.4#

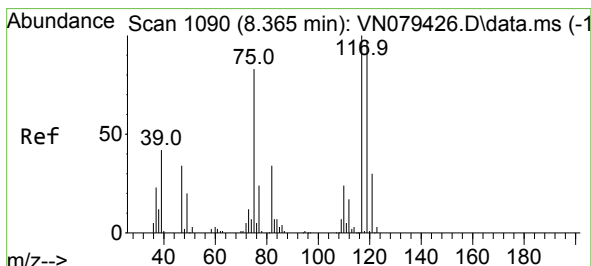
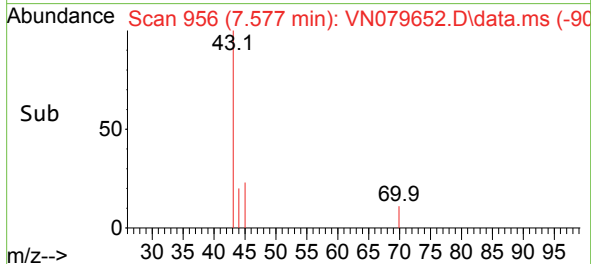
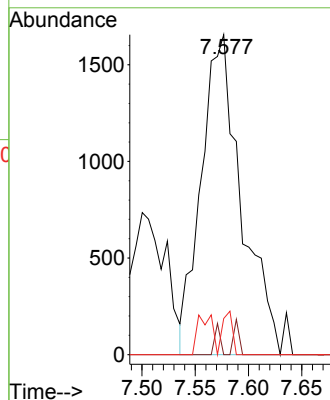
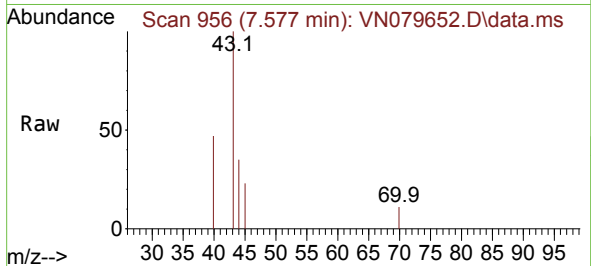




#37
Ethyl Acetate
Concen: 0.855 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

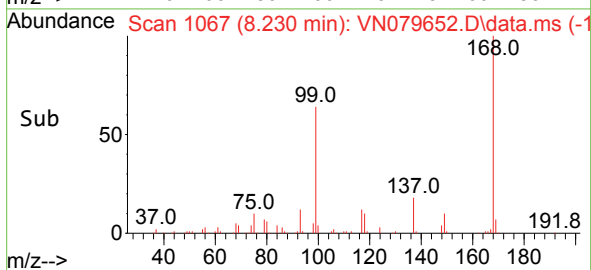
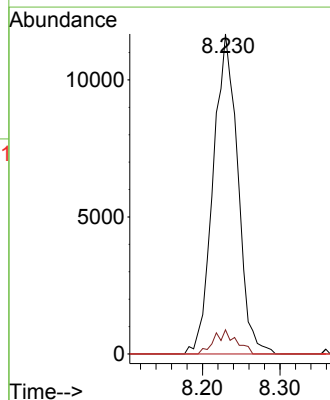
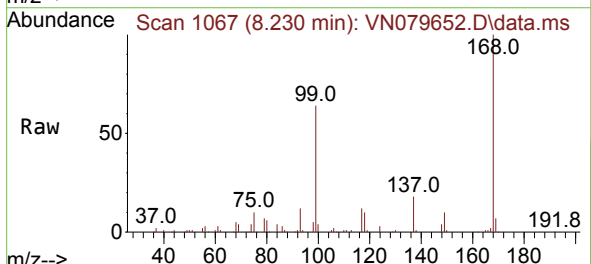
Instrument :
MSVOA_N
ClientSampleId :

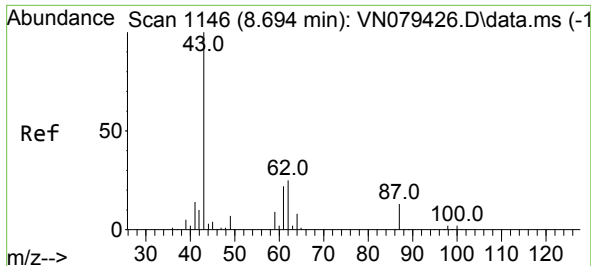
Tgt Ion: 43 Resp: 4335
Ion Ratio Lower Upper
43 100
61 1.3 13.2 19.8#
70 4.6 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.042 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

Tgt Ion: 117 Resp: 25727
Ion Ratio Lower Upper
117 100
119 7.5 77.3 115.9#
121 0.0 23.3 34.9#

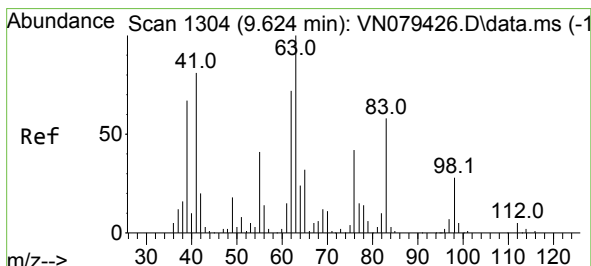
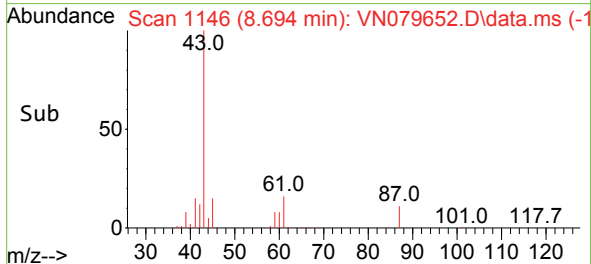
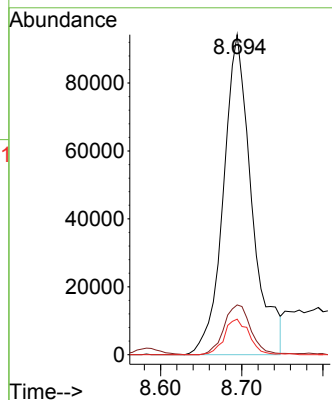
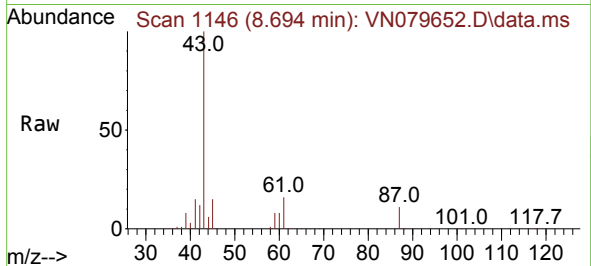




#43
Isopropyl Acetate
Concen: 25.845 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

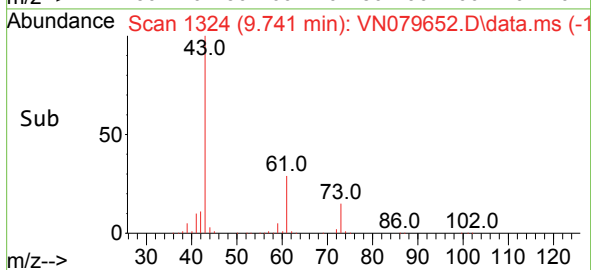
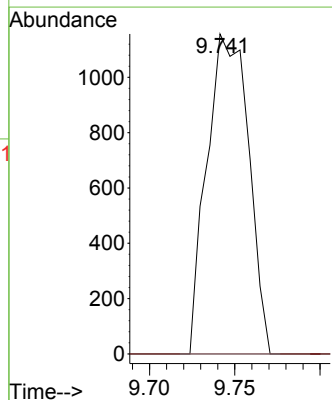
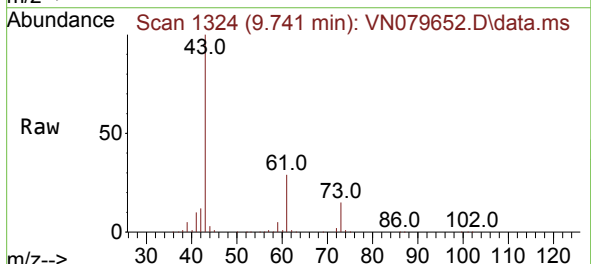
Instrument :
MSVOA_N
ClientSampleId :

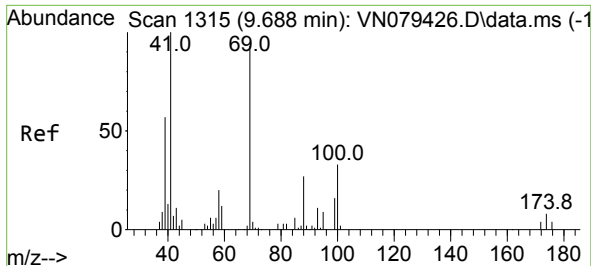
Tgt Ion: 43 Resp: 229641
Ion Ratio Lower Upper
43 100
61 14.7 24.7 37.1#
87 9.8 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.493 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

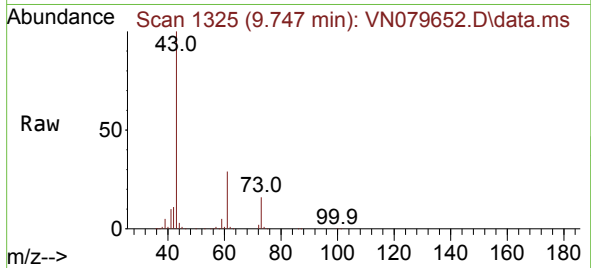
Tgt Ion: 63 Resp: 1966
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



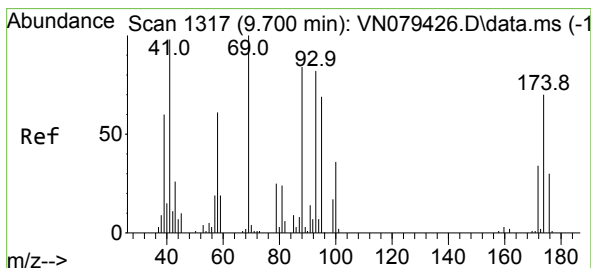
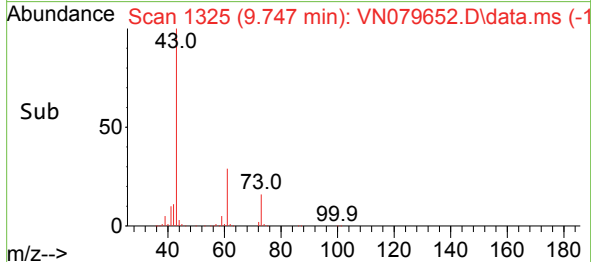
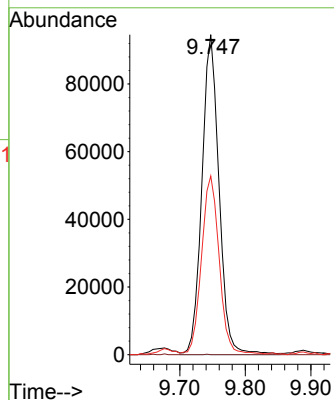


#48
Methyl methacrylate
Concen: 45.246 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

Instrument :
MSVOA_N
ClientSampleId :

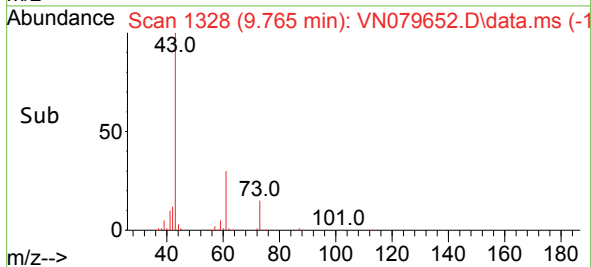
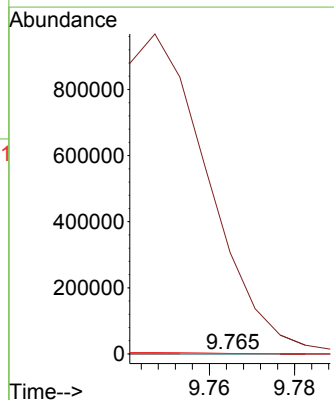
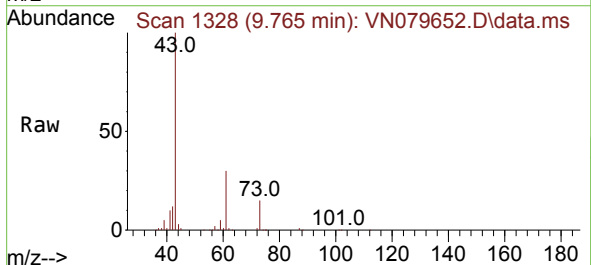


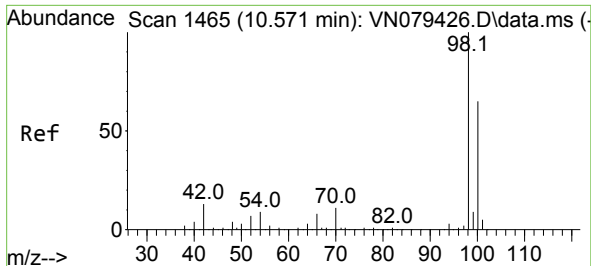
Tgt Ion: 41 Resp: 172274
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 57.0 54.6 81.8



#49
1,4-Dioxane
Concen: 0.770 ug/l
RT: 9.765 min Scan# 1328
Delta R.T. 0.065 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 3232568.5 17.0 25.6#
58 16829.6 47.0 70.4#

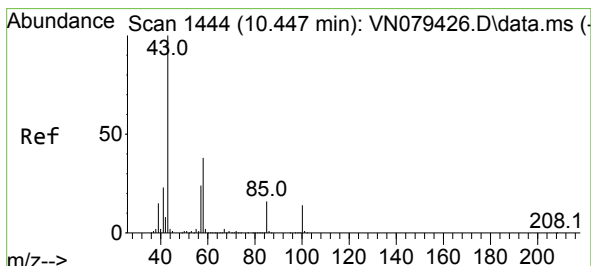
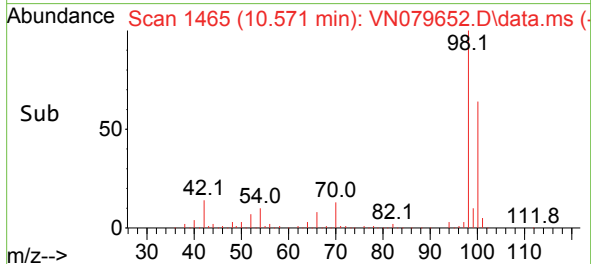
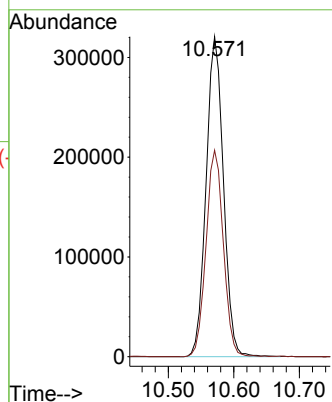
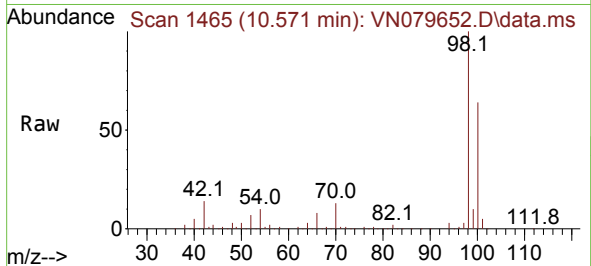




#50
Toluene-d8
Concen: 48.002 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

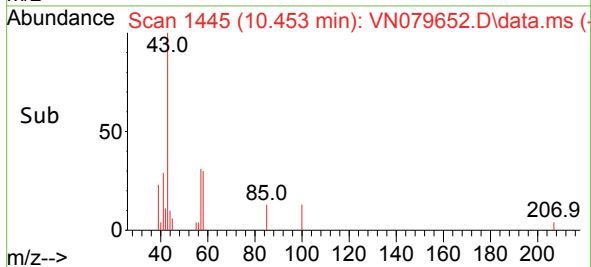
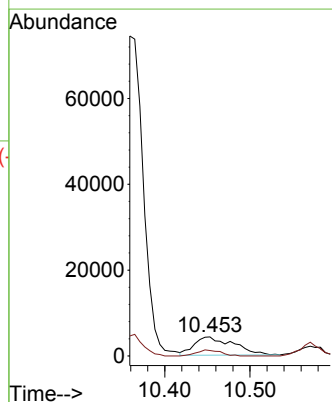
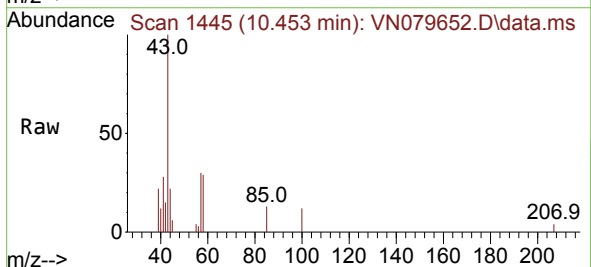
Instrument :
MSVOA_N
ClientSampleId :

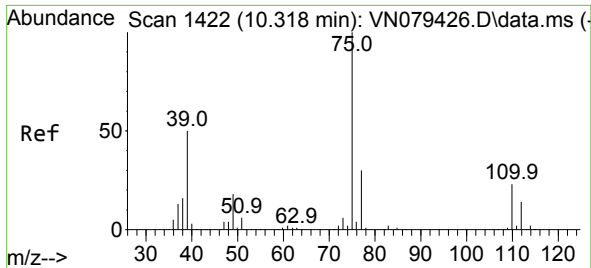
Tgt Ion: 98 Resp: 589829
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.745 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

Tgt Ion: 43 Resp: 13768
Ion Ratio Lower Upper
43 100
58 20.0 36.6 54.8#

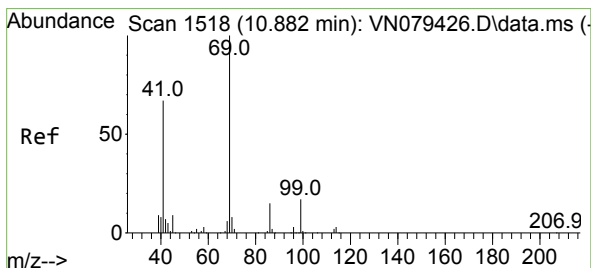
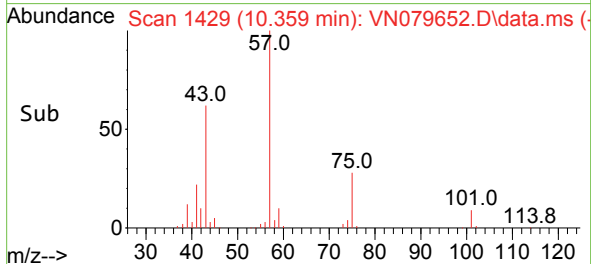
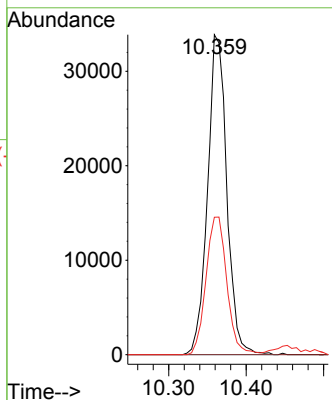
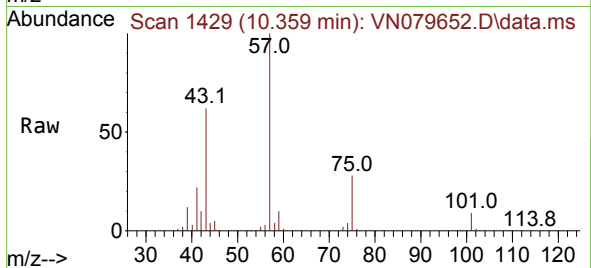




#54
 cis-1,3-Dichloropropene
 Concen: 9.967 ug/l
 RT: 10.359 min Scan# 1422
 Delta R.T. 0.041 min
 Lab File: VN079652.D
 Acq: 23 Oct 2023 16:36

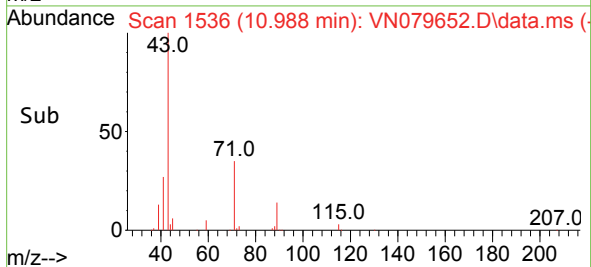
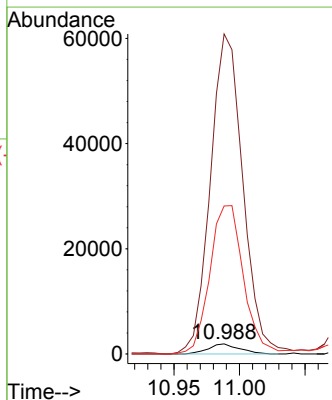
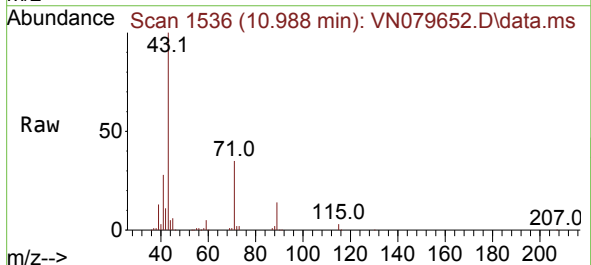
Instrument :
 MSVOA_N
 ClientSampleId :

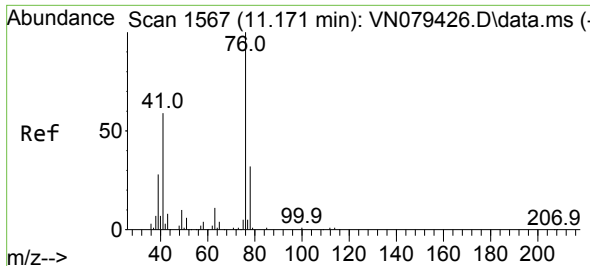
Tgt Ion: 75 Resp: 58423
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 42.9 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.640 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079652.D
 Acq: 23 Oct 2023 16:36

Tgt Ion: 69 Resp: 3148
 Ion Ratio Lower Upper
 69 100
 41 3351.7 39.6 59.4#
 39 1605.2 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.394 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN079652.D

Acq: 23 Oct 2023 16:36

Instrument :

MSVOA_N

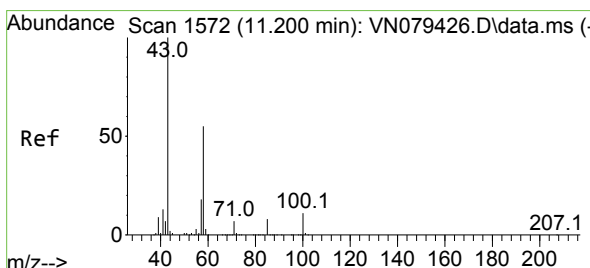
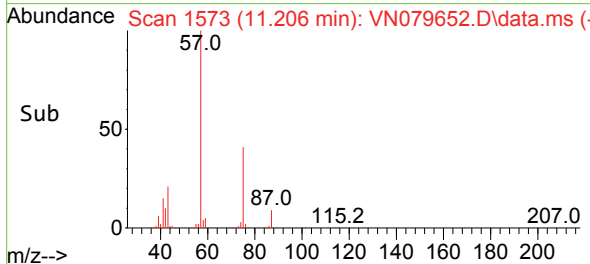
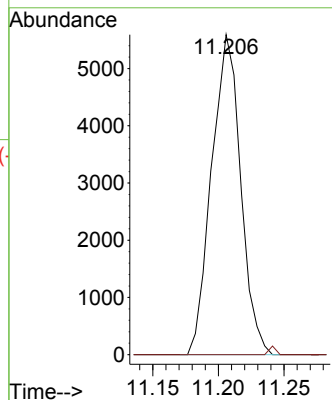
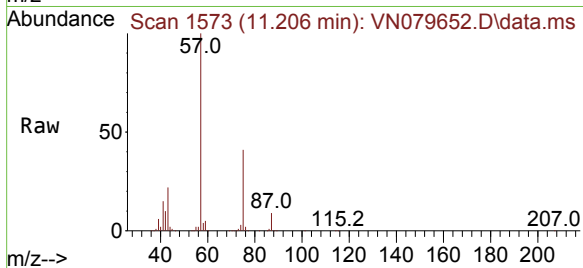
ClientSampleId :

Tgt Ion: 76 Resp: 8611

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 28.122 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079652.D

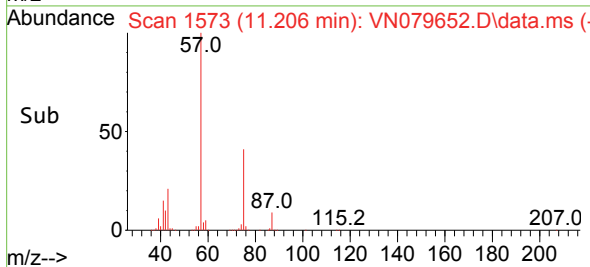
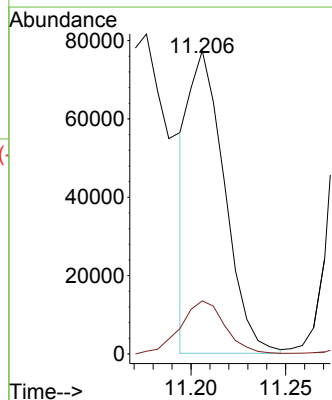
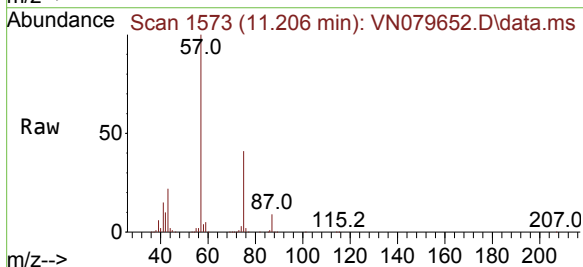
Acq: 23 Oct 2023 16:36

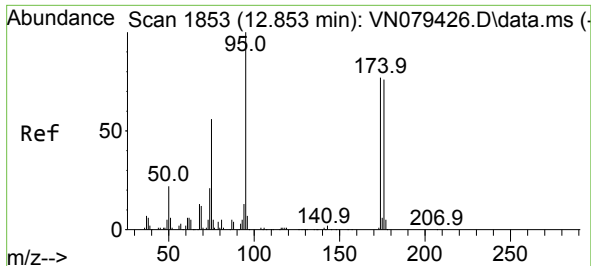
Tgt Ion: 43 Resp: 101784

Ion Ratio Lower Upper

43 100

58 21.9 31.7 95.1#

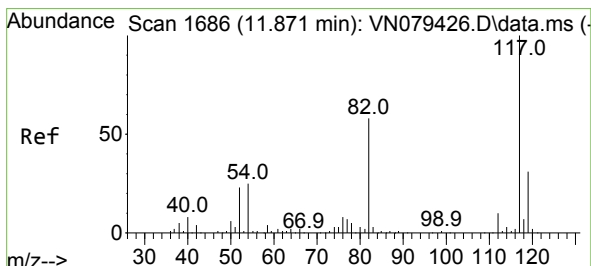
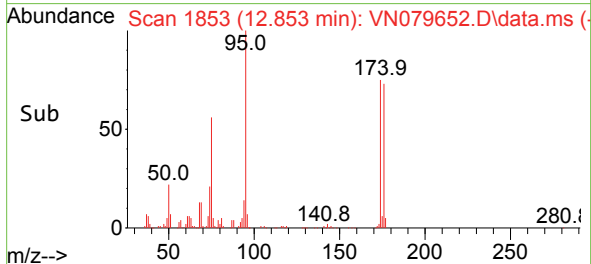
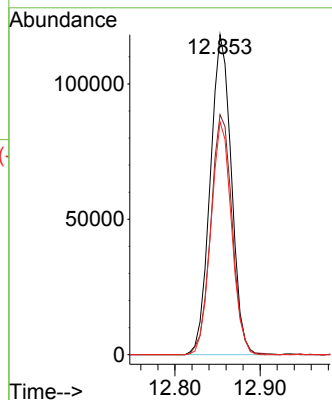
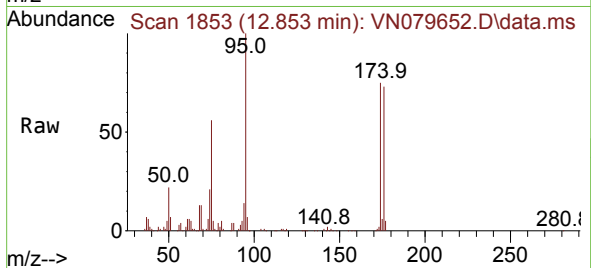




#62
4-Bromofluorobenzene
Concen: 51.481 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

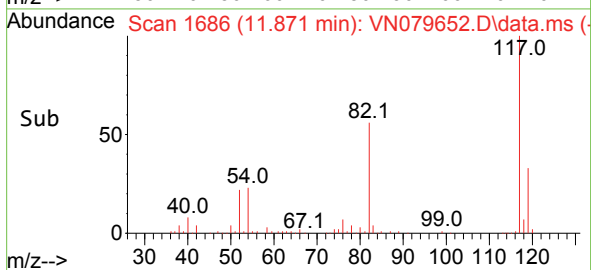
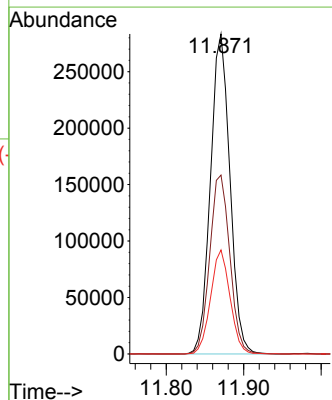
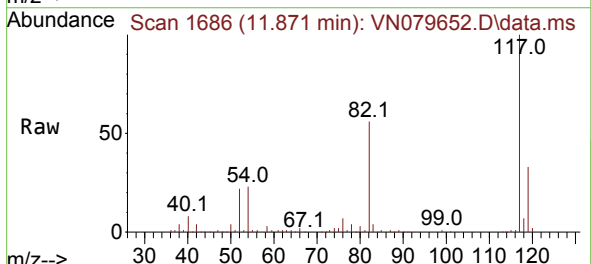
Instrument :
MSVOA_N
ClientSampleId :

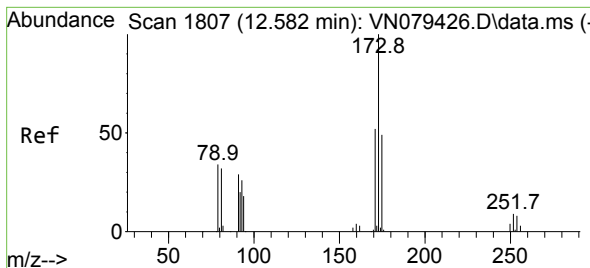
Tgt Ion: 95 Resp: 203007
Ion Ratio Lower Upper
95 100
174 76.0 0.0 143.8
176 71.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

Tgt Ion: 117 Resp: 495122
Ion Ratio Lower Upper
117 100
82 55.9 44.0 66.0
119 32.5 25.6 38.4





#71

Bromoform

Concen: 0.614 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN079652.D

Acq: 23 Oct 2023 16:36

Instrument :

MSVOA_N

ClientSampleId :

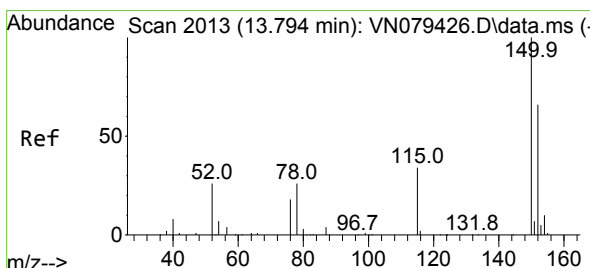
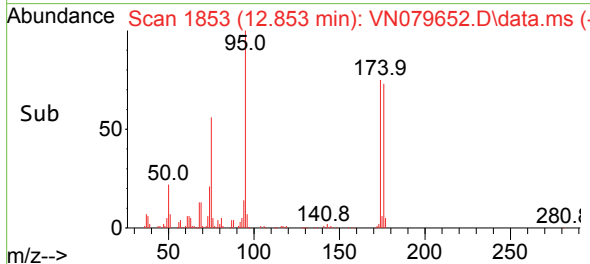
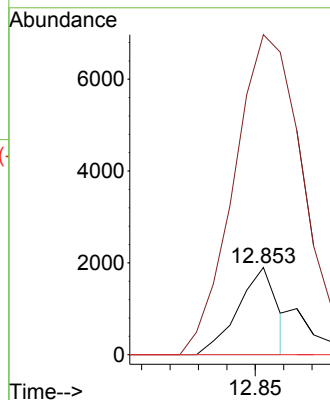
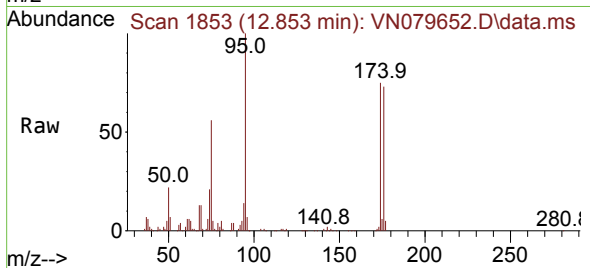
Tgt Ion:173 Resp: 1815

Ion Ratio Lower Upper

173 100

175 476.4 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: VN079652.D

Acq: 23 Oct 2023 16:36

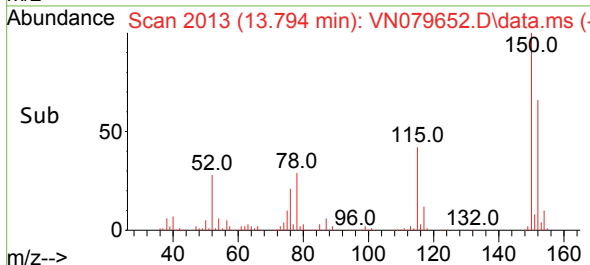
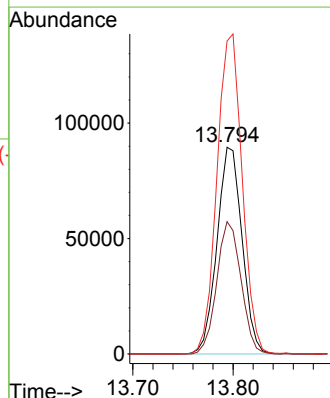
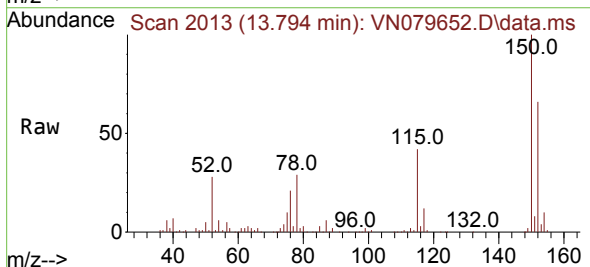
Tgt Ion:152 Resp: 155349

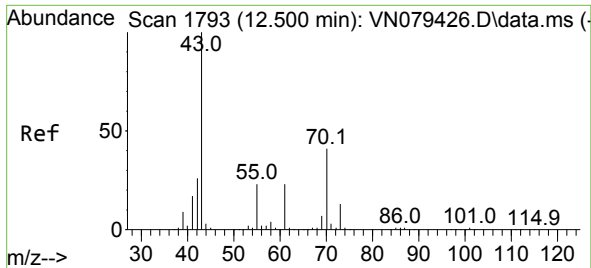
Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

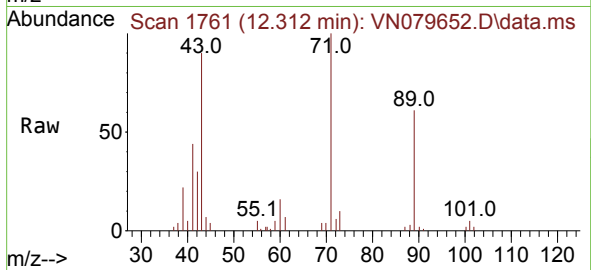
150 156.0 0.0 355.8



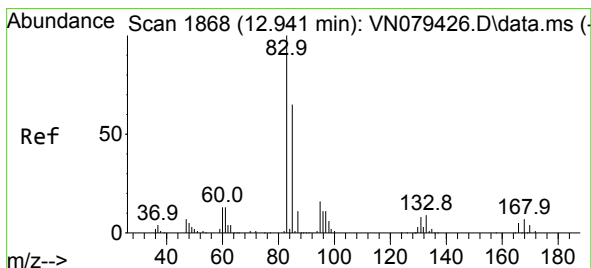
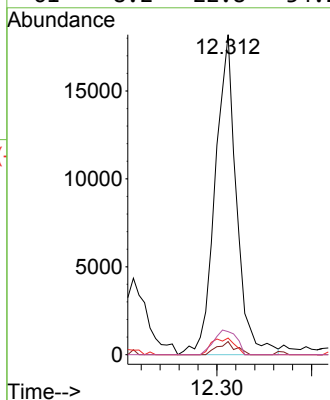
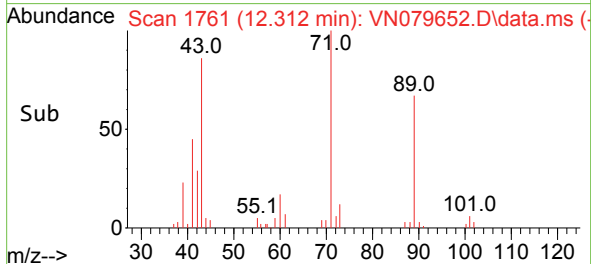


#74
N-amy1 acetate
Concen: 4.792 ug/l
RT: 12.312 min Scan# 1
Delta R.T. -0.188 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

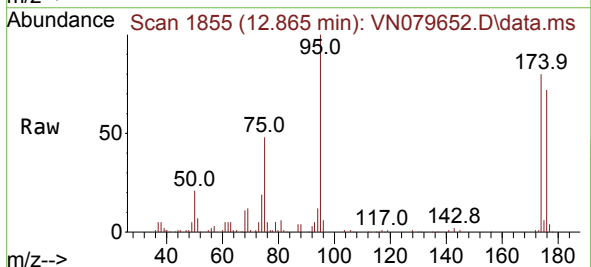
Instrument :
MSVOA_N
ClientSampleId :



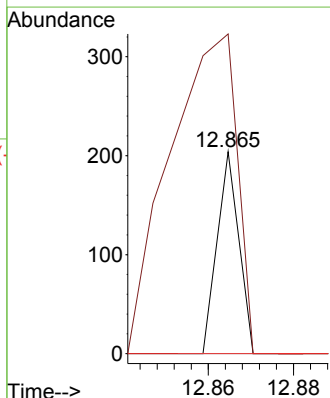
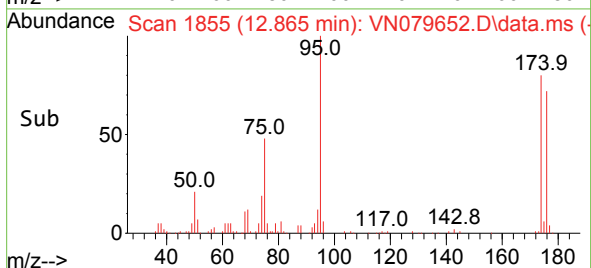
Tgt Ion: 43 Resp: 28395
Ion Ratio Lower Upper
43 100
70 3.5 43.4 65.2#
55 5.5 21.4 32.0#
61 8.2 22.8 34.2#

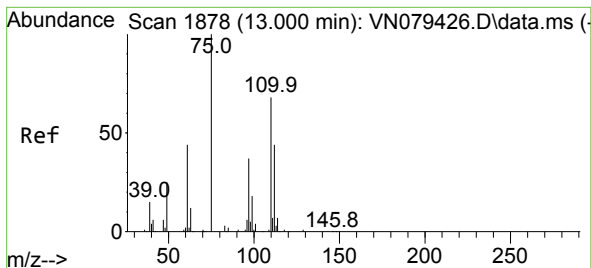


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.865 min Scan# 1855
Delta R.T. -0.076 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36



Tgt Ion: 83 Resp: 72
Ion Ratio Lower Upper
83 100
131 491.7 5.0 15.0#
85 0.0 31.9 95.7#

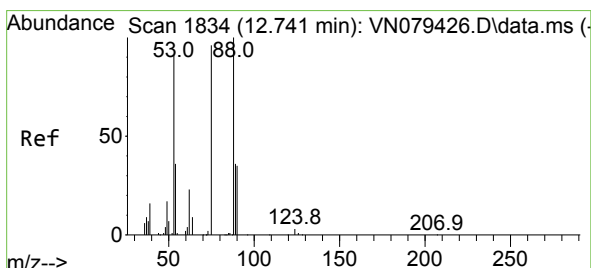
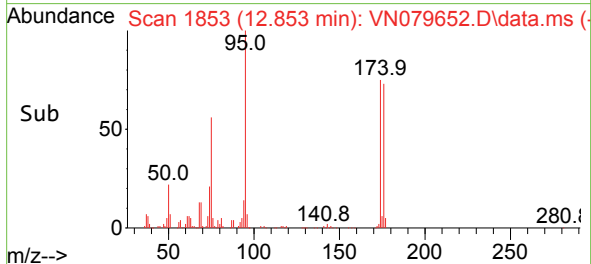
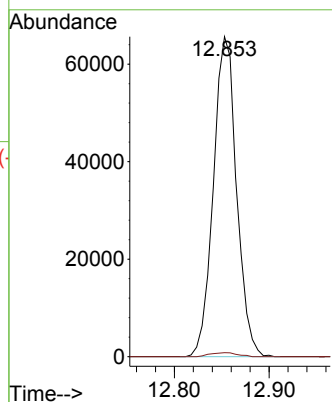
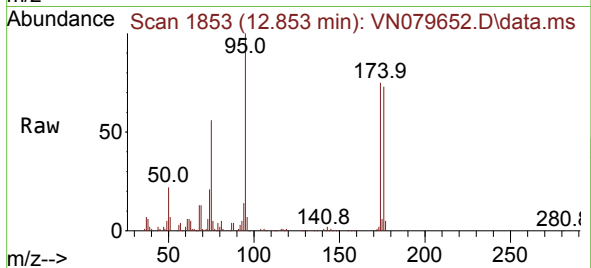




#76
1,2,3-Trichloropropane
Concen: 24.937 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 111695
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.355 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079652.D
Acq: 23 Oct 2023 16:36

Tgt Ion: 75 Resp: 111695
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.1 38.8 58.2#

