

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079552.D
 Acq On : 12 Oct 2023 17:59
 Operator : JC\MD
 Sample : PB156319ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 01:23:36 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)

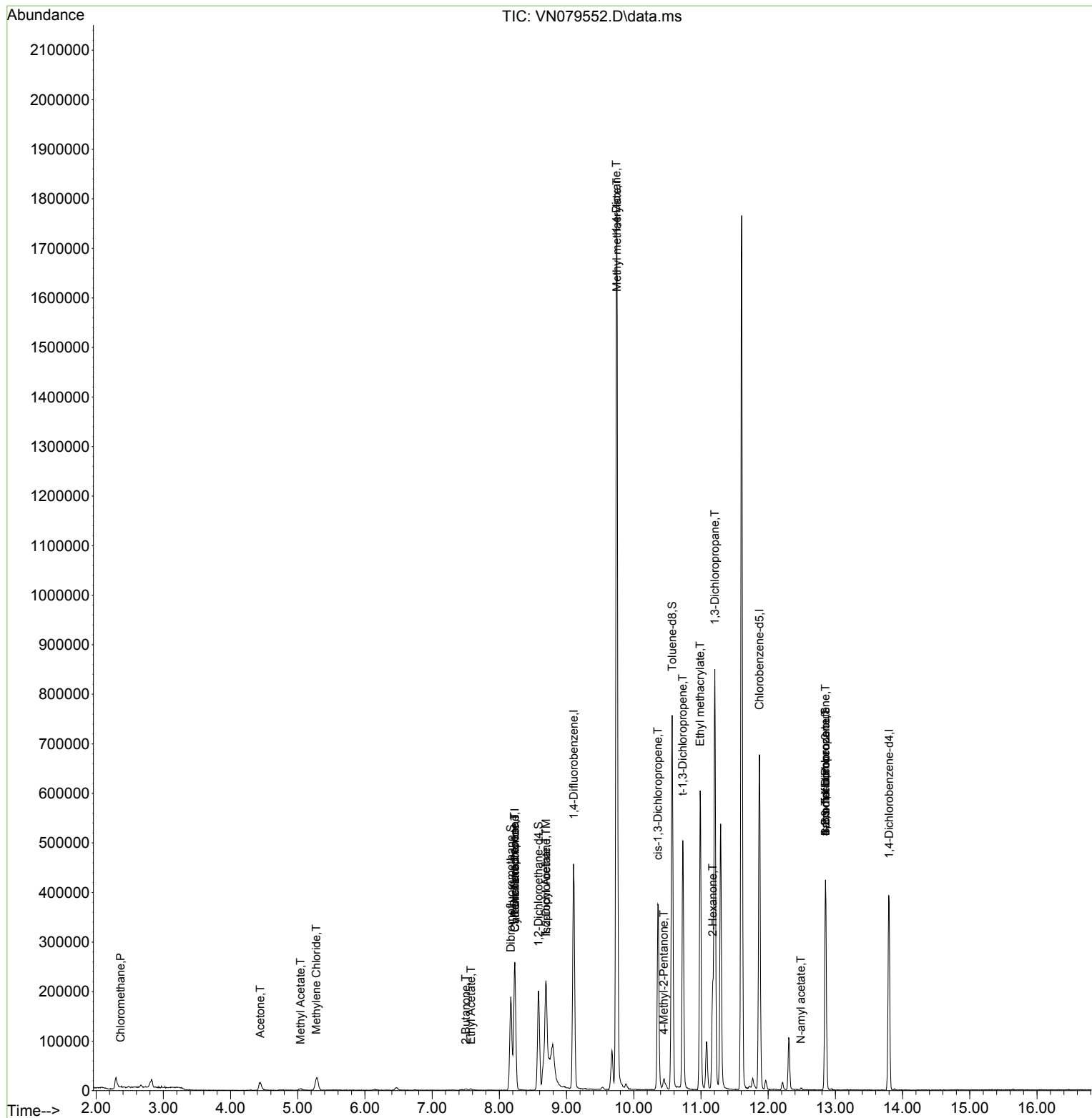
Internal Standards						
1) Pentafluorobenzene	8.230	168	175020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	372641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	379013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	103856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	158585	55.883	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.760%	
35) Dibromofluoromethane	8.171	113	131020	48.926	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.860%	
50) Toluene-d8	10.571	98	502944	51.906	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.820%	
62) 4-Bromofluorobenzene	12.853	95	144591	46.499	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	681	0.218	ug/l #	42
16) Acetone	4.442	43	30349	26.963	ug/l	88
18) Methyl Acetate	5.042	43	6562	1.191	ug/l #	80
20) Methylene Chloride	5.277	84	19804	7.523	ug/l #	81
25) 2-Butanone	7.500	43	5098	3.052	ug/l #	78
31) Cyclohexane	8.236	56	5022	1.248	ug/l #	40
36) 1,1-Dichloropropene	8.224	75	16823	4.186	ug/l #	48
37) Ethyl Acetate	7.577	43	4383	1.096	ug/l #	75
38) Carbon Tetrachloride	8.236	117	19236	4.781	ug/l #	18
42) 1,2-Dichloroethane	8.694	62	1741	0.401	ug/l #	73
43) Isopropyl Acetate	8.694	43	316853	45.223	ug/l #	69
48) Methyl methacrylate	9.747	41	165980	55.282	ug/l #	29
49) 1,4-Dioxane	9.741	88	110	1.989	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	21257	5.374	ug/l #	73
53) t-1,3-Dichloropropene	10.729	75	1160	0.275	ug/l #	79
54) cis-1,3-Dichloropropene	10.359	75	62039	13.422	ug/l #	73
56) Ethyl methacrylate	10.988	69	3206	0.827	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8368	1.718	ug/l #	42
59) 2-Hexanone	11.177	43	152843	53.552	ug/l #	19
71) Bromoform	12.853	173	953	0.421	ug/l #	1
74) N-amyl acetate	12.488	43	1458	0.368	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.876	83	55	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	79380	26.509	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	79380	76.917	ug/l #	15

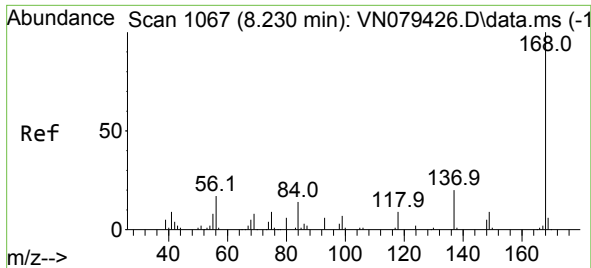
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

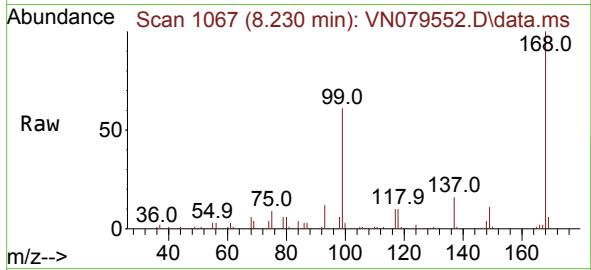
Quant Time: Oct 13 01:23:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration



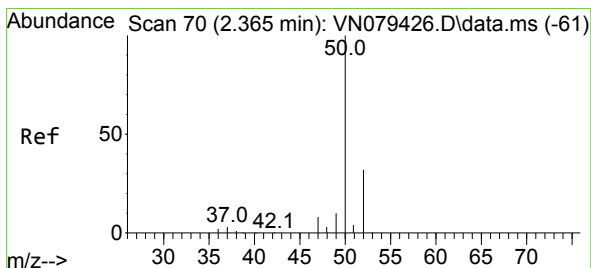
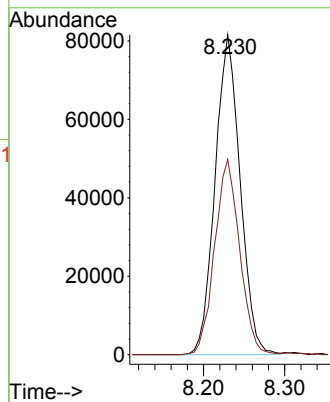
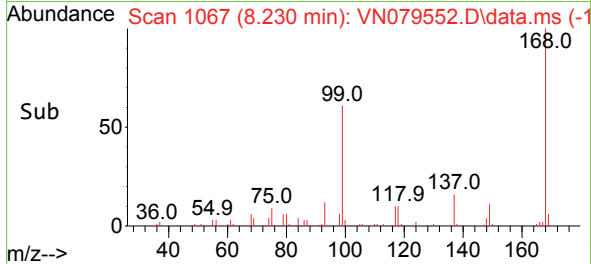


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

Instrument :
MSVOA_N
ClientSampleId :

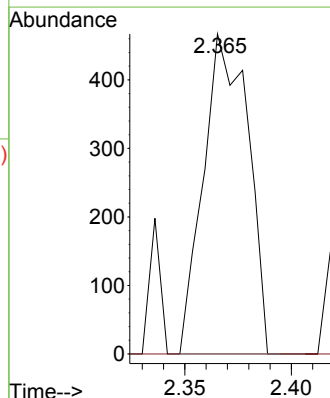
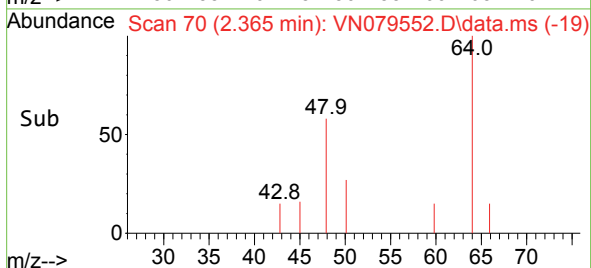
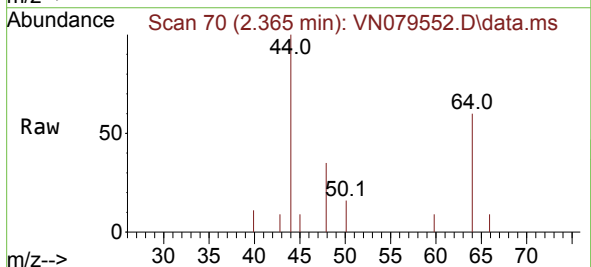


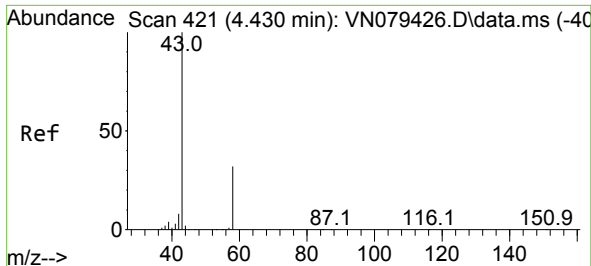
Tgt Ion:168 Resp: 175020
Ion Ratio Lower Upper
168 100
99 61.0 53.0 79.6



#3
Chloromethane
Concen: 0.218 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

Tgt Ion: 50 Resp: 681
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

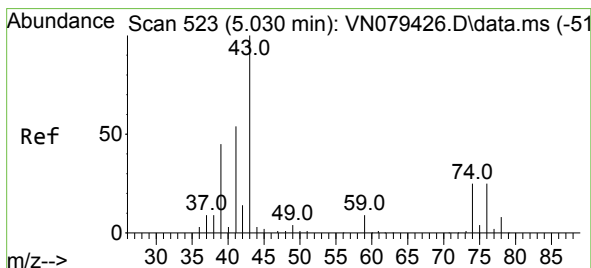
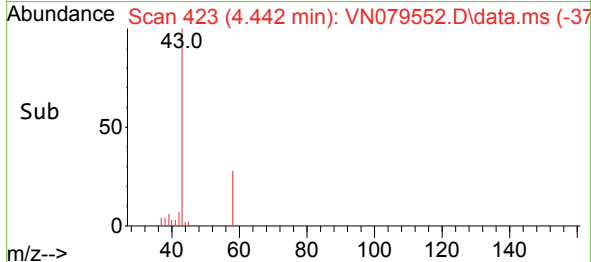
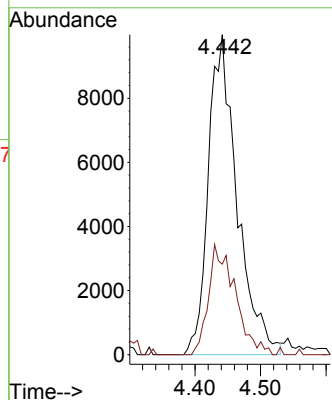
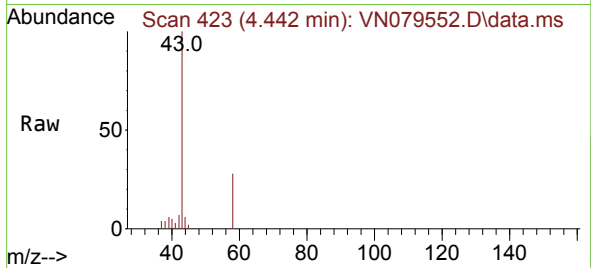




#16
Acetone
Concen: 26.963 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

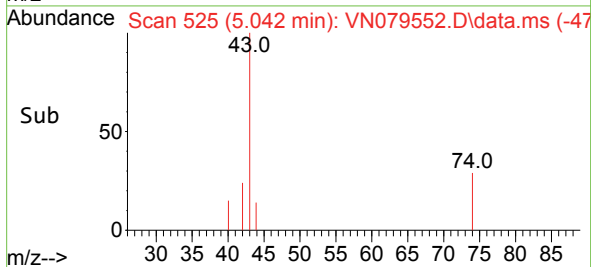
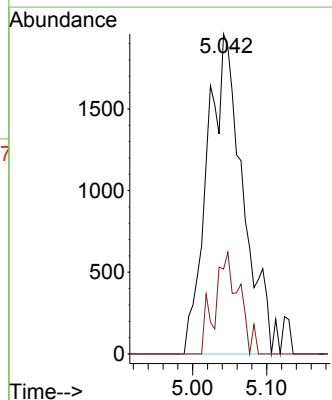
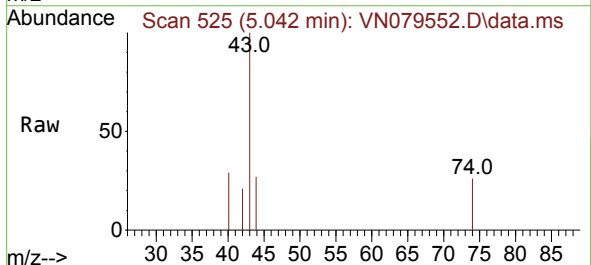
Instrument :
MSVOA_N
ClientSampleId :

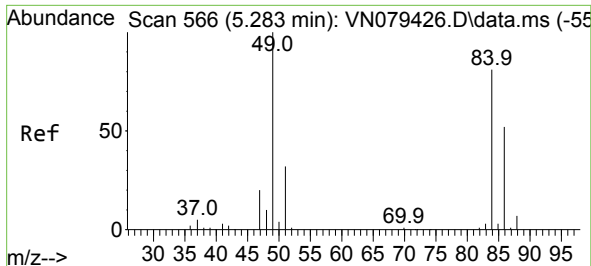
Tgt Ion: 43 Resp: 30349
Ion Ratio Lower Upper
43 100
58 28.3 28.0 42.0



#18
Methyl Acetate
Concen: 1.191 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

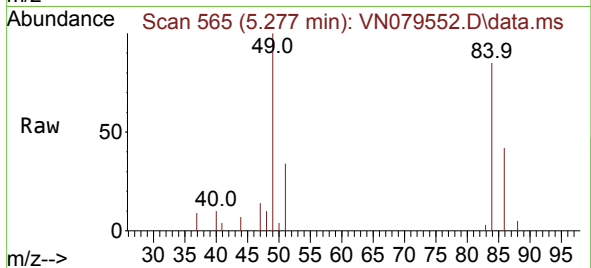
Tgt Ion: 43 Resp: 6562
Ion Ratio Lower Upper
43 100
74 21.4 26.2 39.4#





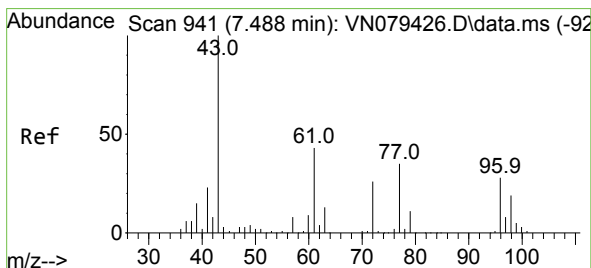
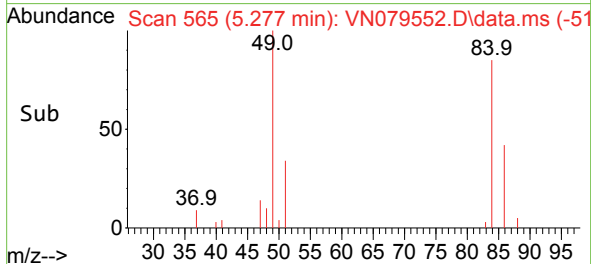
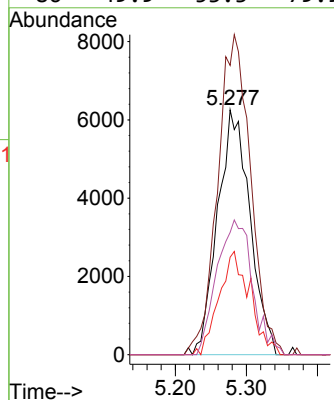
#20
Methylene Chloride
Concen: 7.523 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 19804

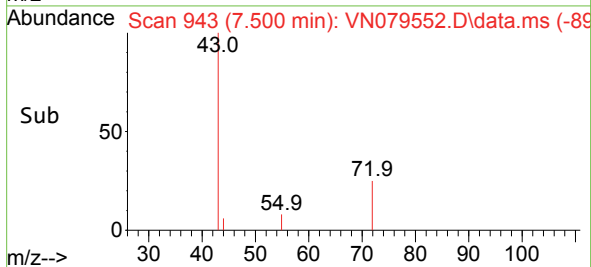
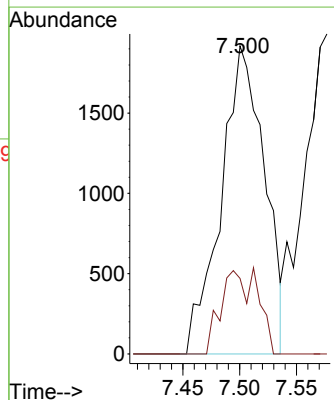
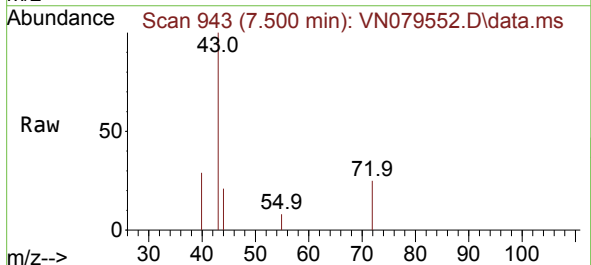
Ion	Ratio	Lower	Upper
84	100		
49	118.2	79.7	119.5
51	39.8	25.2	37.8#
86	49.9	53.3	79.9#

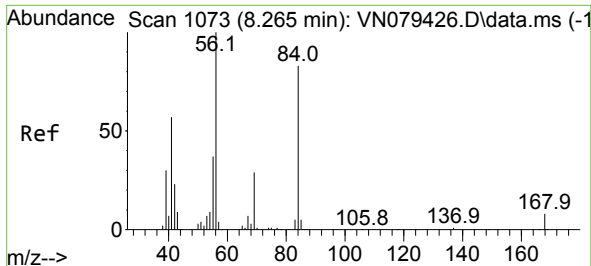


#25
2-Butanone
Concen: 3.052 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

Tgt Ion: 43 Resp: 5098

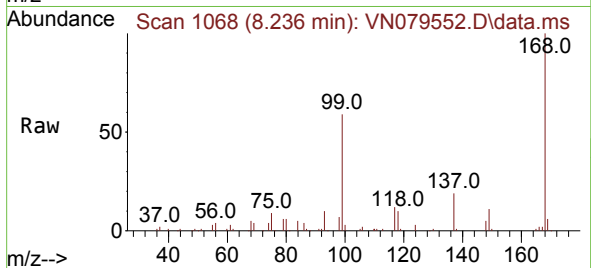
Ion	Ratio	Lower	Upper
43	100		
72	24.5	30.2	45.2#



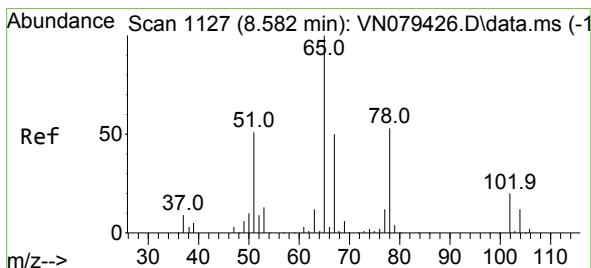
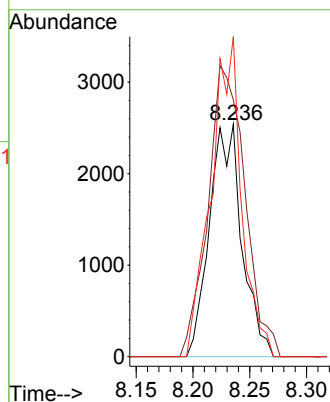
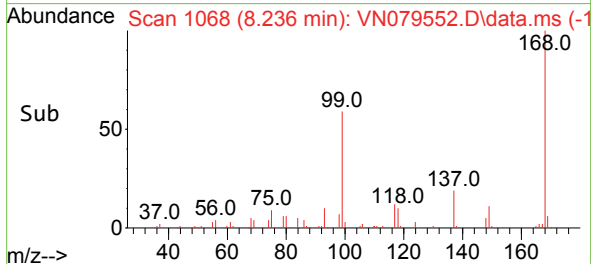


#31
Cyclohexane
Concen: 1.248 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

Instrument :
MSVOA_N
ClientSampleId :

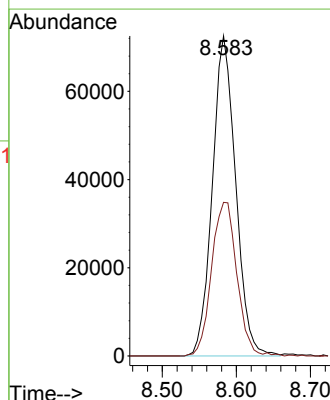
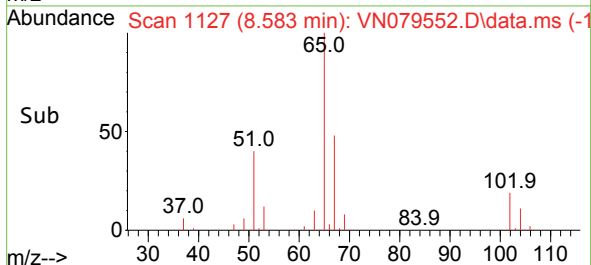
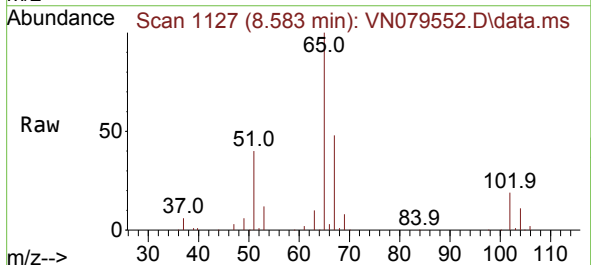


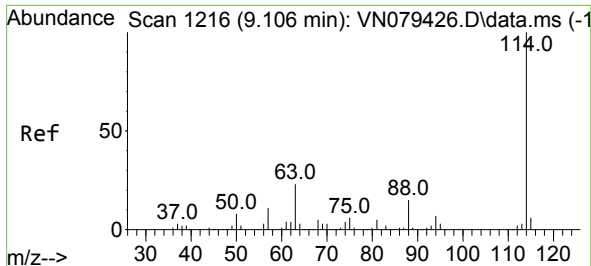
Tgt Ion: 56 Resp: 5022
Ion Ratio Lower Upper
56 100
69 110.6 26.8 40.2#
84 137.8 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 55.883 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

Tgt Ion: 65 Resp: 158585
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6

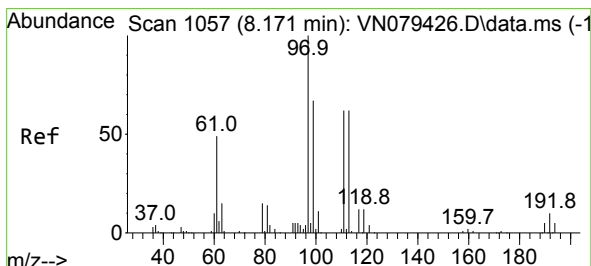
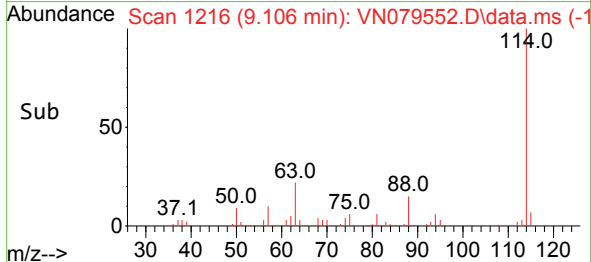
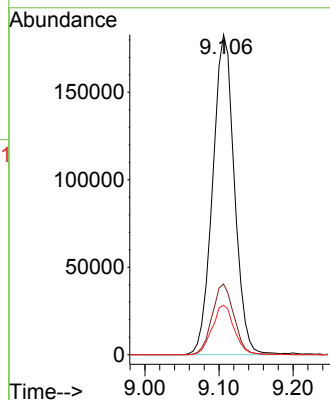
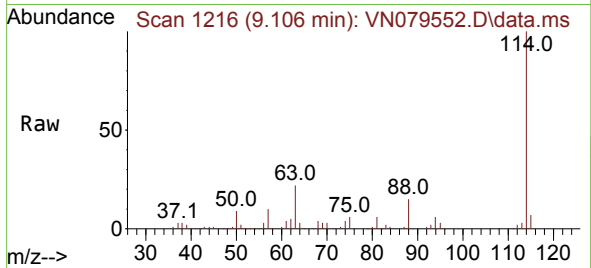




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

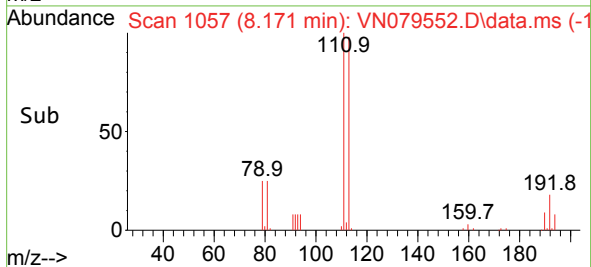
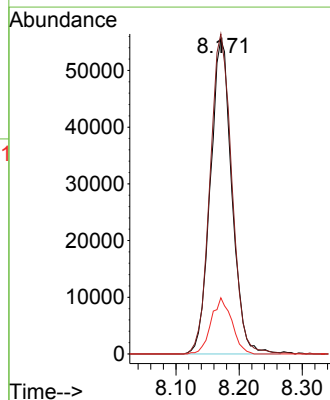
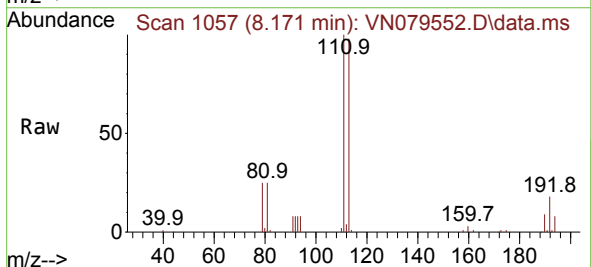
Instrument :
MSVOA_N
ClientSampleId :

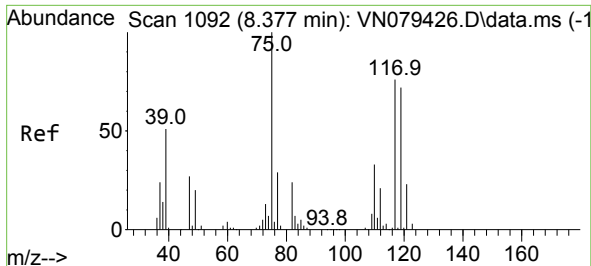
Tgt Ion:114 Resp: 372641
Ion Ratio Lower Upper
114 100
63 22.1 0.0 36.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.926 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

Tgt Ion:113 Resp: 131020
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 17.2 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.186 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

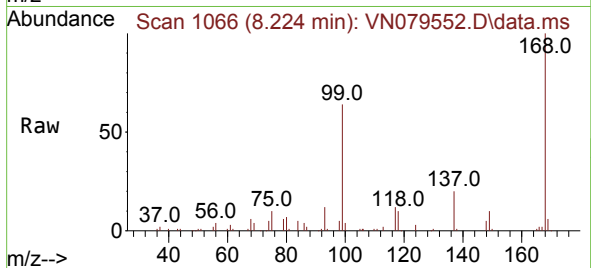
Lab File: VN079552.D

Acq: 12 Oct 2023 17:59

Instrument :

MSVOA_N

ClientSampleId :



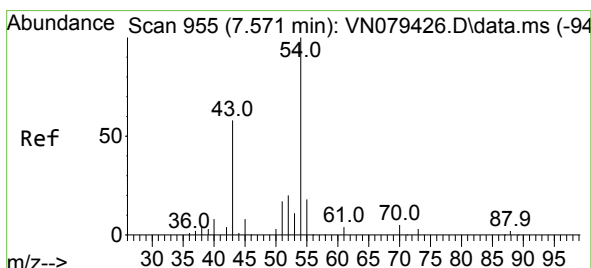
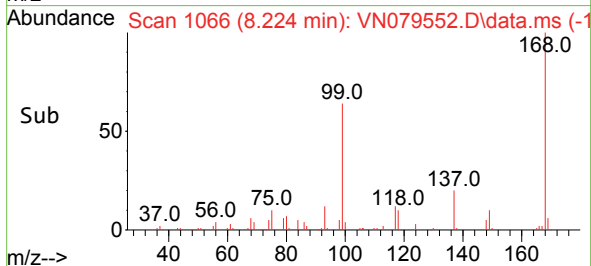
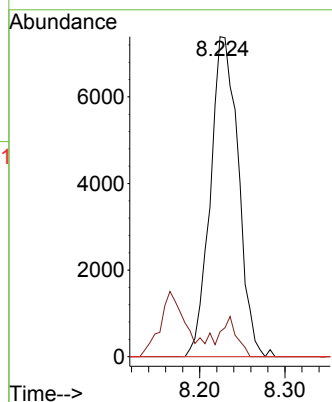
Tgt Ion: 75 Resp: 16823

Ion Ratio Lower Upper

75 100

110 8.5 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.096 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.006 min

Lab File: VN079552.D

Acq: 12 Oct 2023 17:59

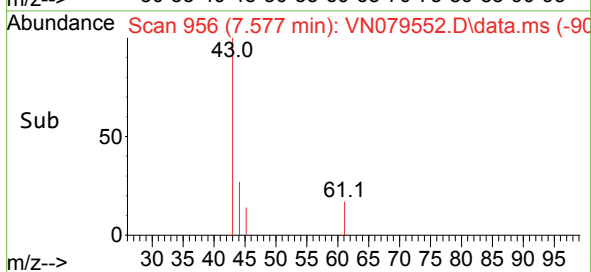
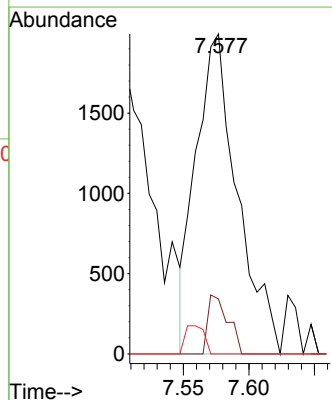
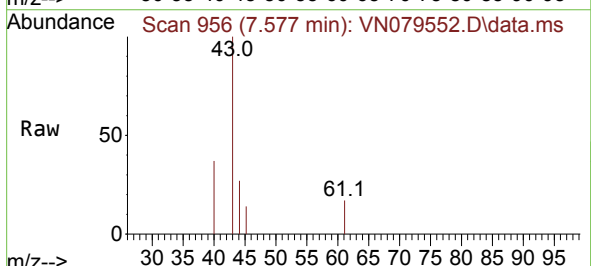
Tgt Ion: 43 Resp: 4383

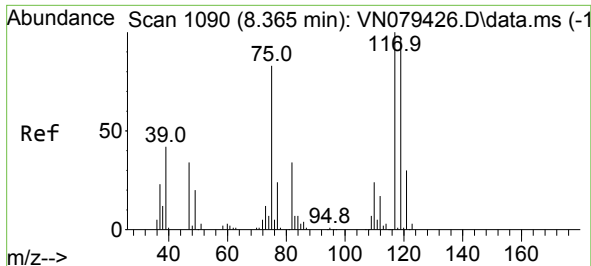
Ion Ratio Lower Upper

43 100

61 8.9 13.2 19.8#

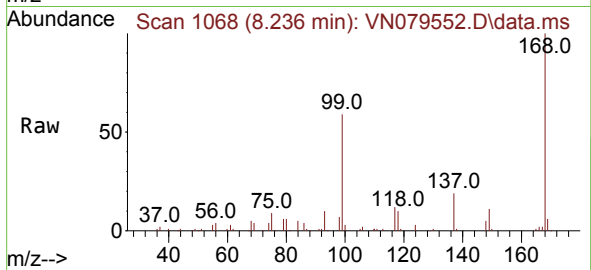
70 0.0 11.3 16.9#



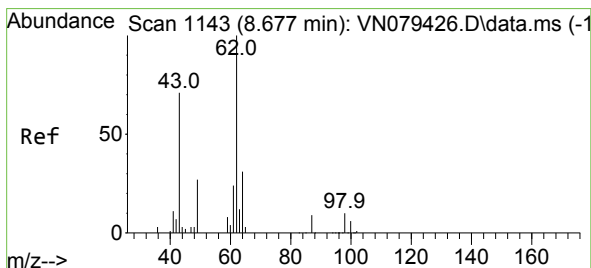
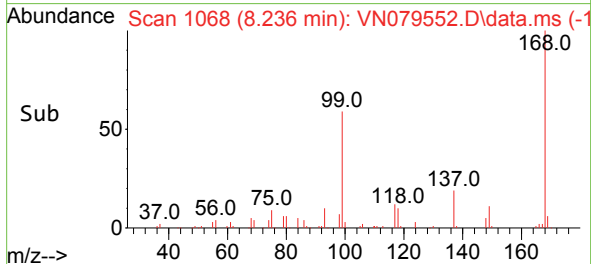
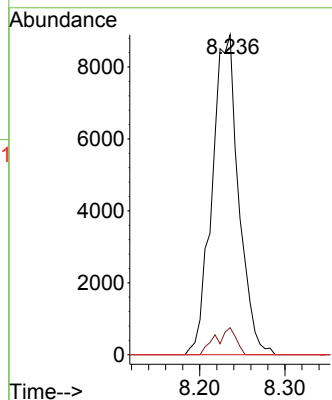


#38
Carbon Tetrachloride
Concen: 4.781 ug/l
RT: 8.236 min Scan# 1106
Delta R.T. -0.129 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

Instrument :
MSVOA_N
ClientSampleId :

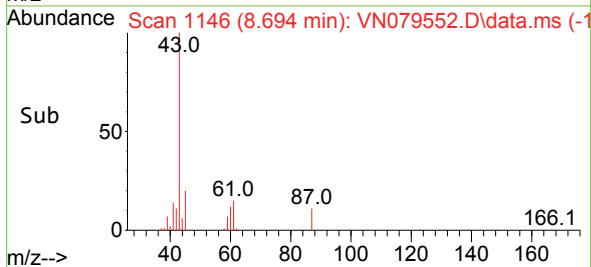
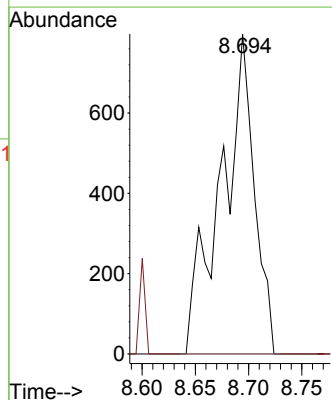
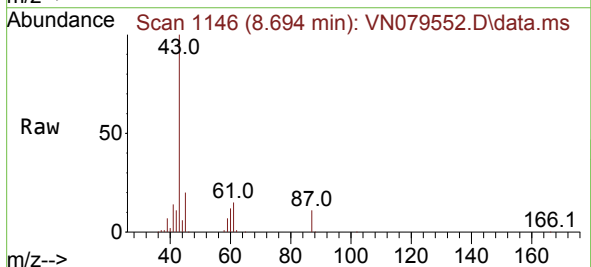


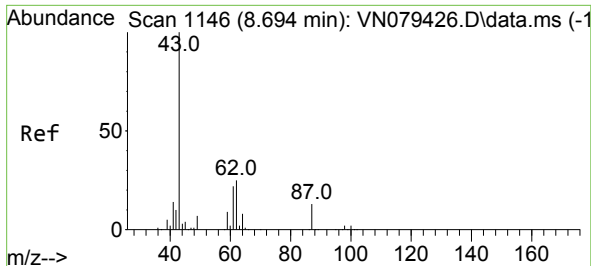
Tgt Ion:117 Resp: 19236
Ion Ratio Lower Upper
117 100
119 8.5 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.401 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.018 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

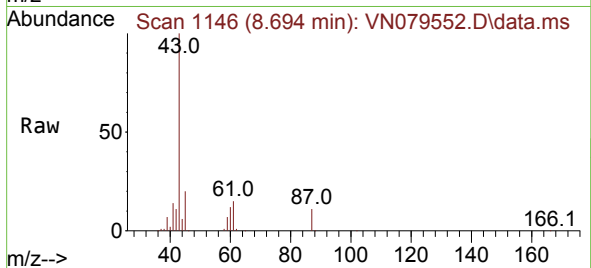
Tgt Ion: 62 Resp: 1741
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



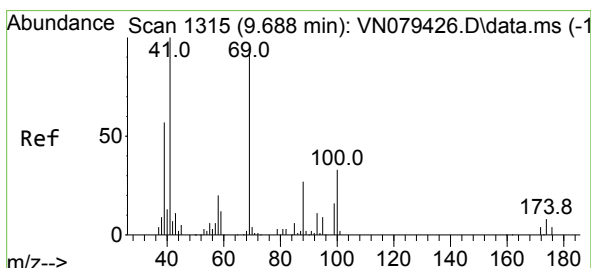
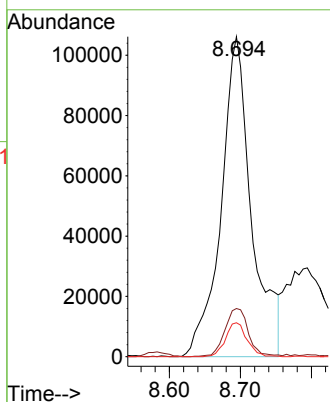
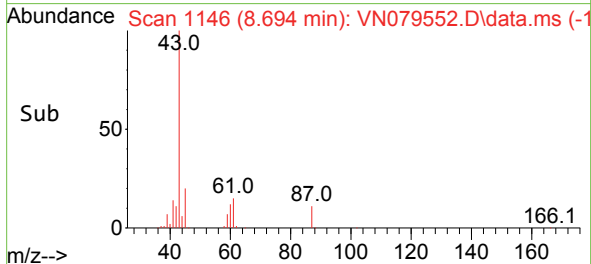


#43
Isopropyl Acetate
Concen: 45.223 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

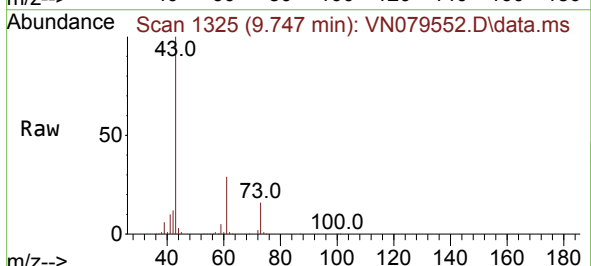
Instrument :
MSVOA_N
ClientSampleId :



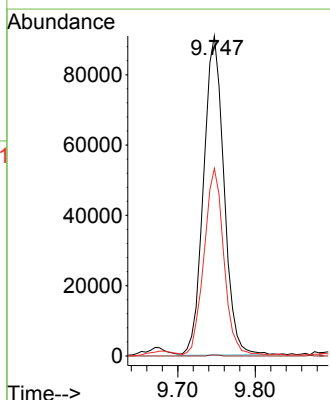
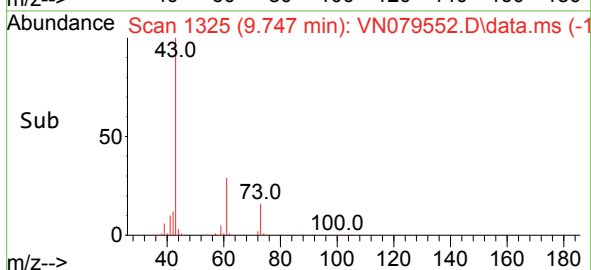
Tgt Ion: 43 Resp: 316853
Ion Ratio Lower Upper
43 100
61 11.7 24.7 37.1#
87 7.5 14.6 21.8#

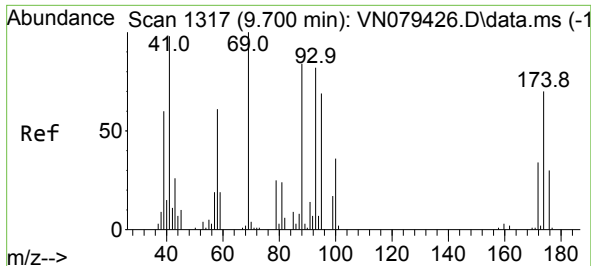


#48
Methyl methacrylate
Concen: 55.282 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59



Tgt Ion: 41 Resp: 165980
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 56.9 54.6 81.8





#49

1,4-Dioxane

Concen: 1.989 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN079552.D

Acq: 12 Oct 2023 17:59

Instrument :

MSVOA_N

ClientSampleId :

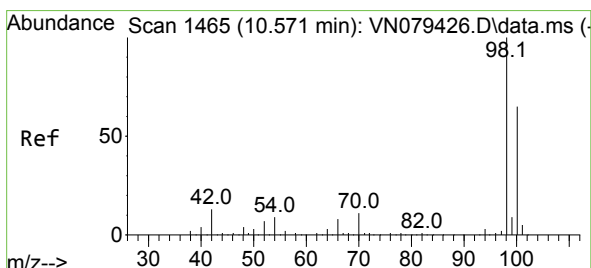
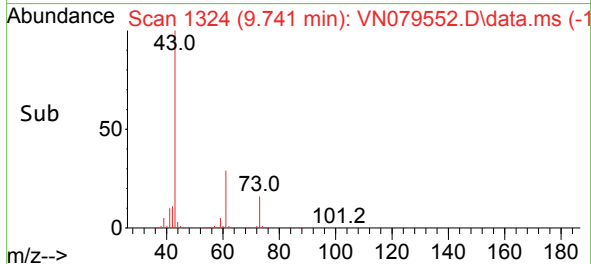
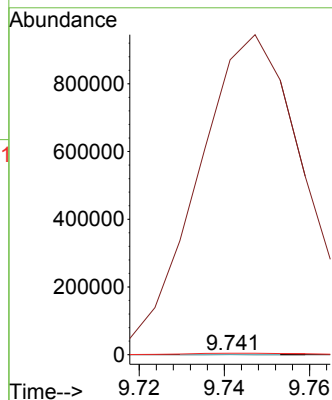
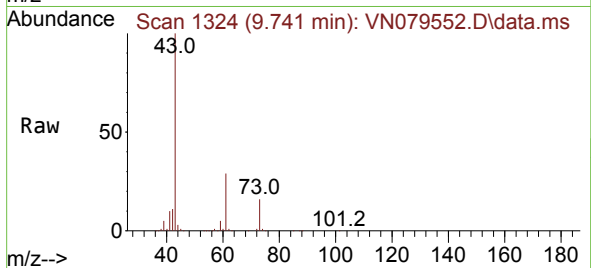
Tgt Ion: 88 Resp: 110

Ion Ratio Lower Upper

88 100

43 1553325.5 17.0 25.6#

58 7780.0 47.0 70.4#



#50

Toluene-d8

Concen: 51.906 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079552.D

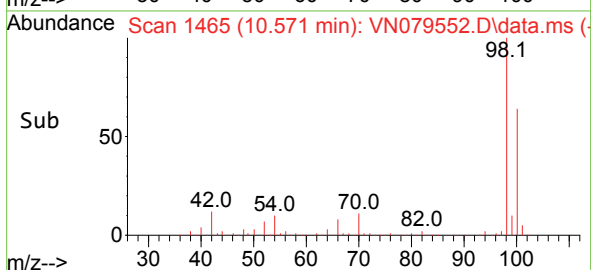
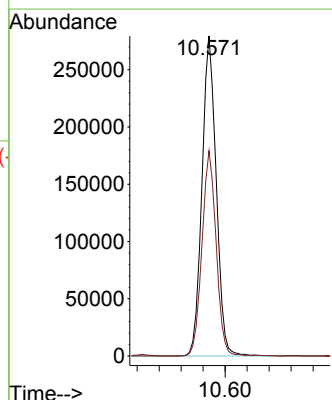
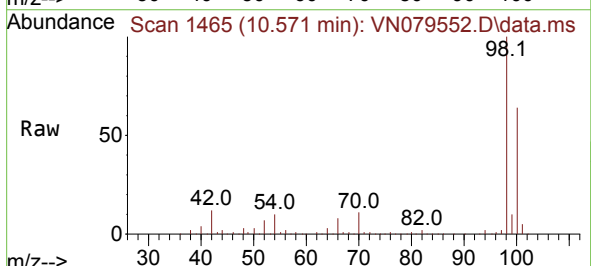
Acq: 12 Oct 2023 17:59

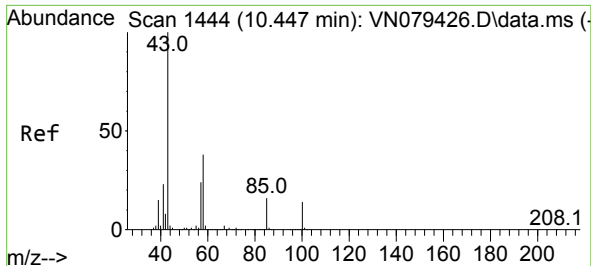
Tgt Ion: 98 Resp: 502944

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0

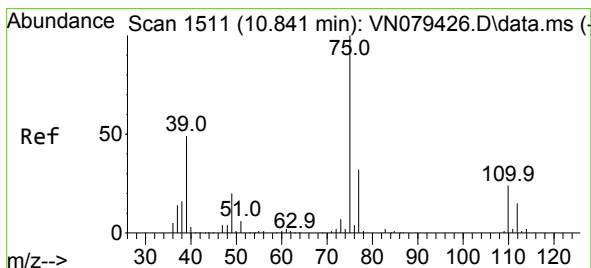
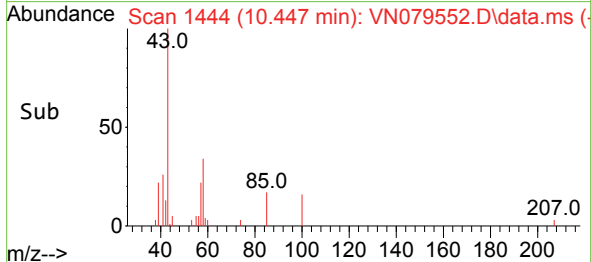
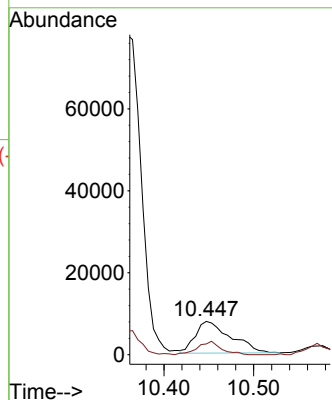
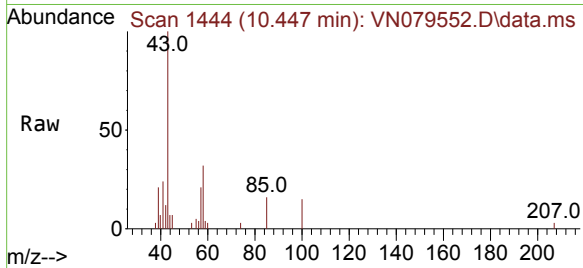




#51
4-Methyl-2-Pentanone
Concen: 5.374 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

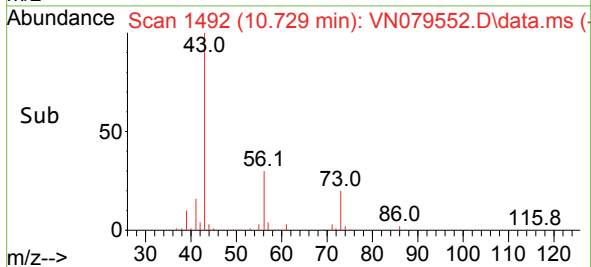
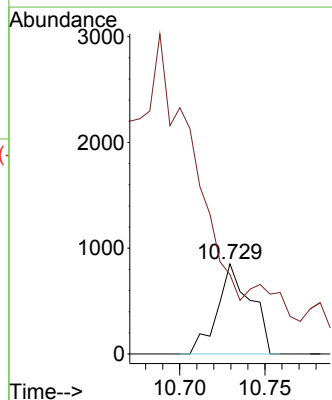
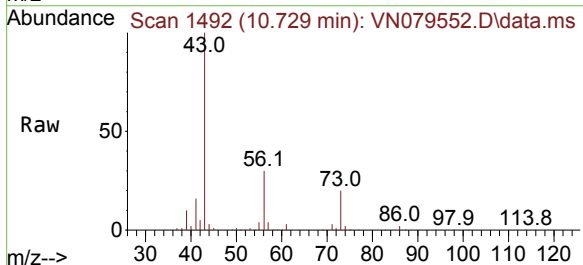
Instrument :
MSVOA_N
ClientSampleId :

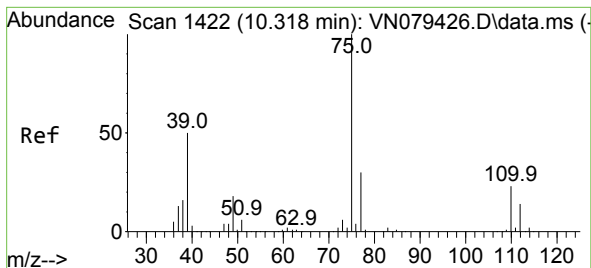
Tgt Ion: 43 Resp: 21257
Ion Ratio Lower Upper
43 100
58 27.8 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.275 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

Tgt Ion: 75 Resp: 1160
Ion Ratio Lower Upper
75 100
77 20.0 25.4 38.0#

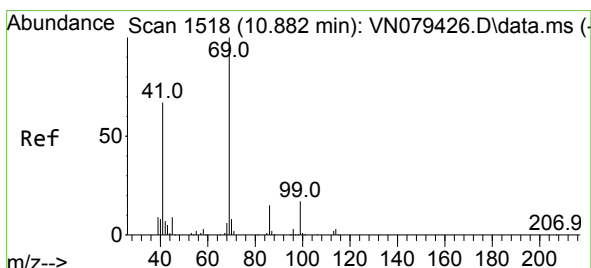
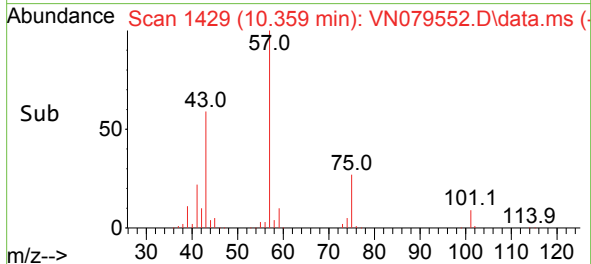
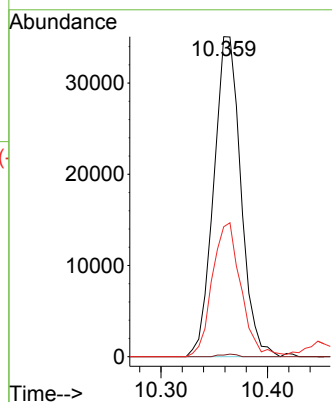
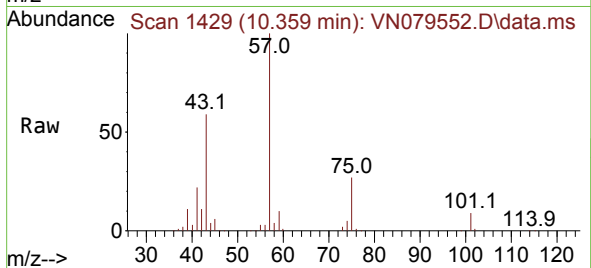




#54
 cis-1,3-Dichloropropene
 Concen: 13.422 ug/l
 RT: 10.359 min Scan# 1422
 Delta R.T. 0.041 min
 Lab File: VN079552.D
 Acq: 12 Oct 2023 17:59

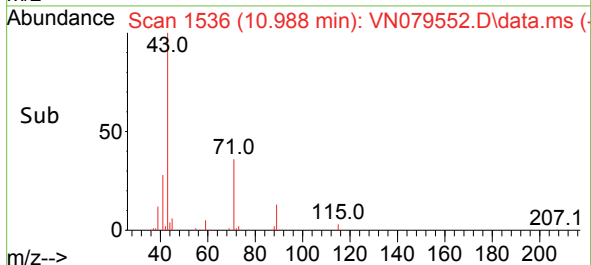
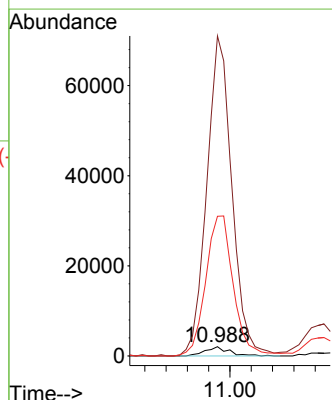
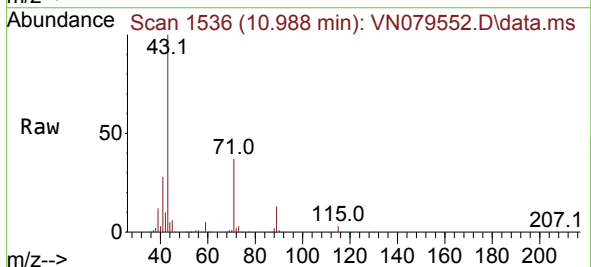
Instrument :
 MSVOA_N
 ClientSampleId :

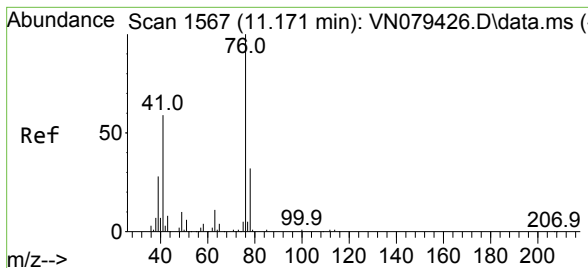
Tgt Ion: 75 Resp: 62039
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 40.6 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.827 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079552.D
 Acq: 12 Oct 2023 17:59

Tgt Ion: 69 Resp: 3206
 Ion Ratio Lower Upper
 69 100
 41 3632.0 39.6 59.4#
 39 1745.7 28.6 43.0#

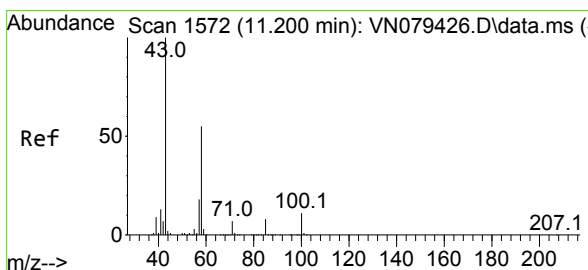
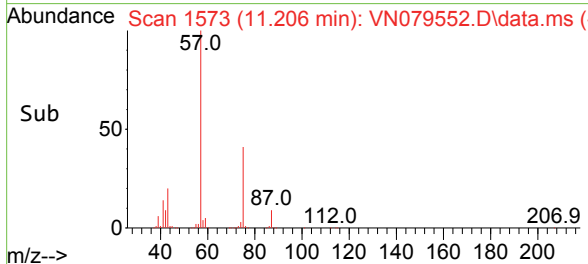
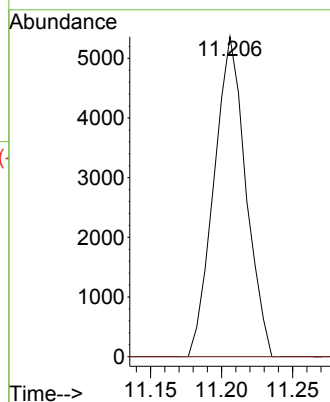
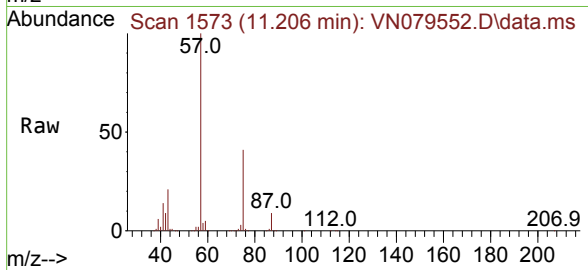




#57
1,3-Dichloropropane
Concen: 1.718 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

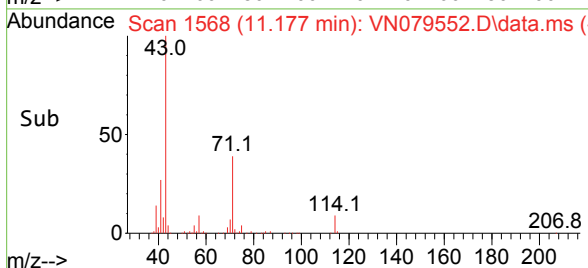
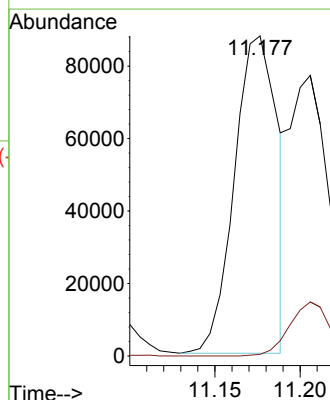
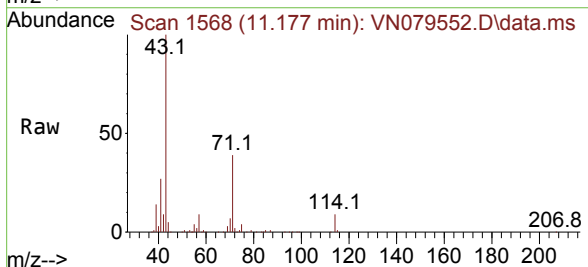
Instrument :
MSVOA_N
ClientSampleId :

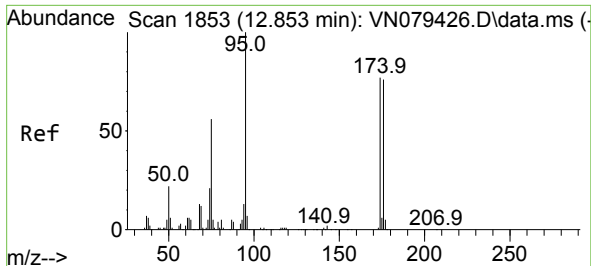
Tgt Ion: 76 Resp: 8368
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 53.552 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.023 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

Tgt Ion: 43 Resp: 152843
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

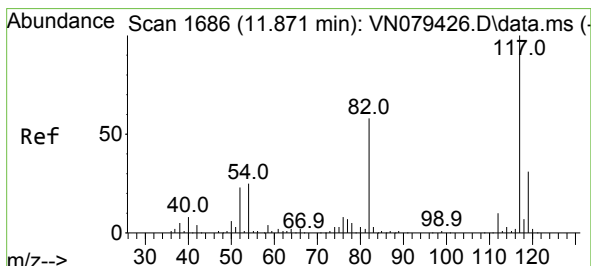
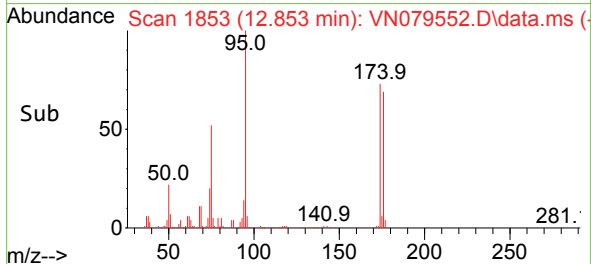
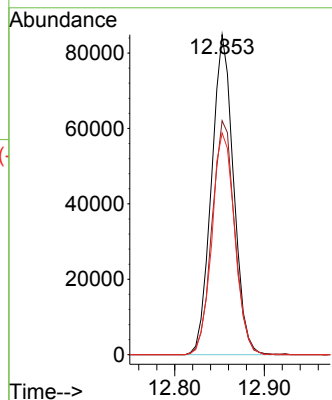
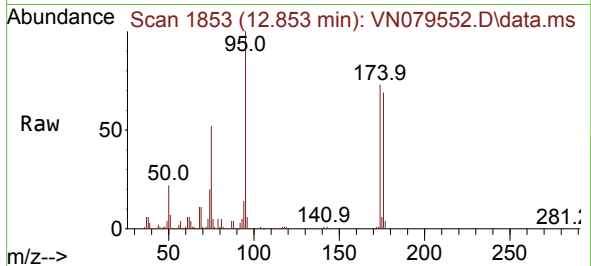




#62
4-Bromofluorobenzene
Concen: 46.499 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

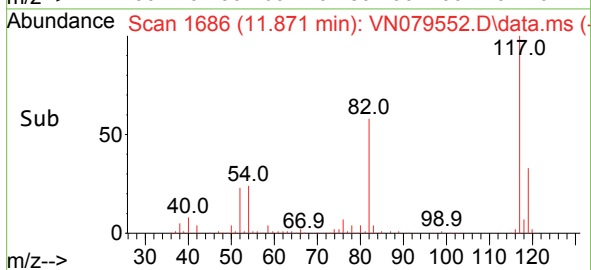
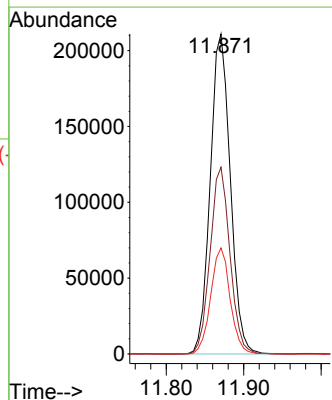
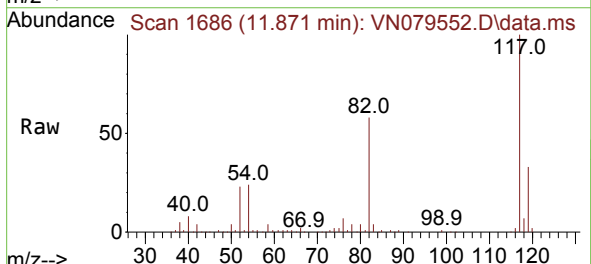
Instrument :
MSVOA_N
ClientSampleId :

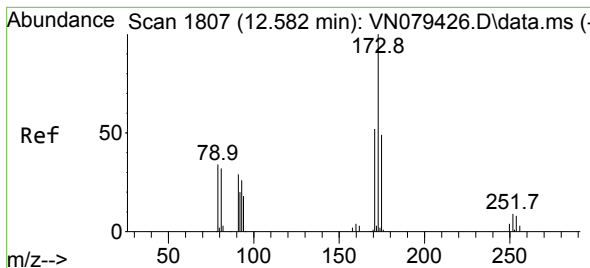
Tgt Ion: 95 Resp: 144591
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.8
176 72.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

Tgt Ion: 117 Resp: 379013
Ion Ratio Lower Upper
117 100
82 58.3 44.0 66.0
119 33.2 25.6 38.4





#71

Bromoform

Concen: 0.421 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

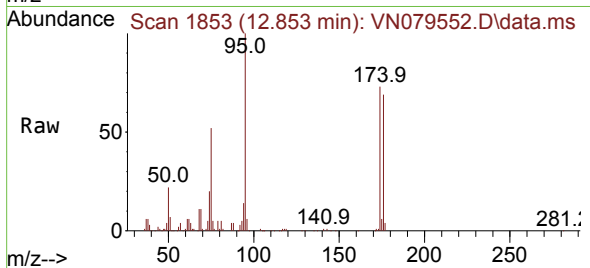
Lab File: VN079552.D

Acq: 12 Oct 2023 17:59

Instrument :

MSVOA_N

ClientSampleId :



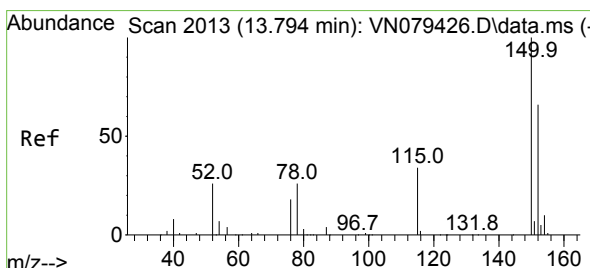
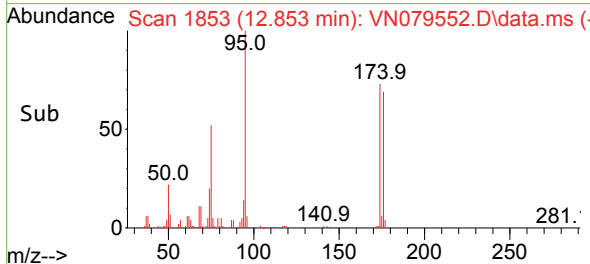
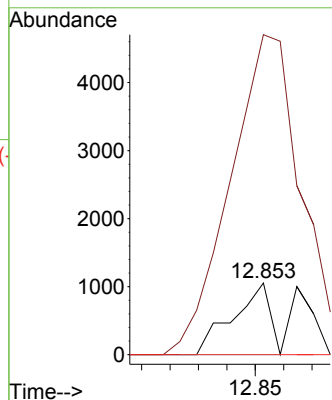
Tgt Ion:173 Resp: 953

Ion Ratio Lower Upper

173 100

175 660.1 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN079552.D

Acq: 12 Oct 2023 17:59

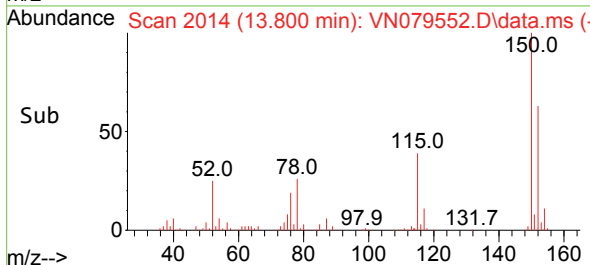
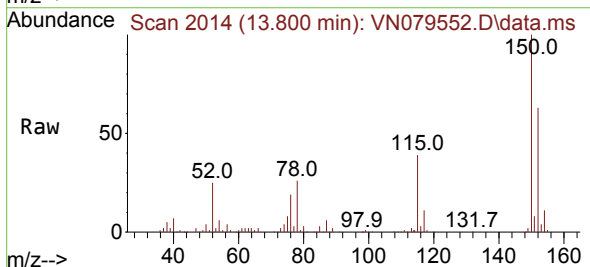
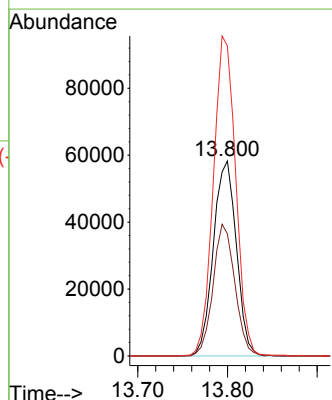
Tgt Ion:152 Resp: 103856

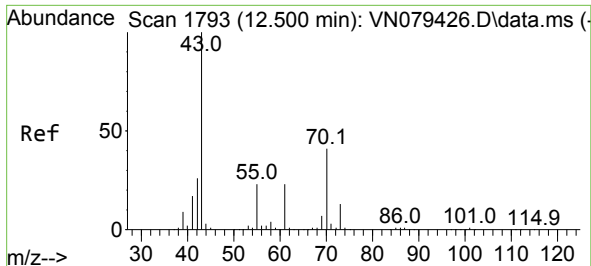
Ion Ratio Lower Upper

152 100

115 64.0 32.3 96.8

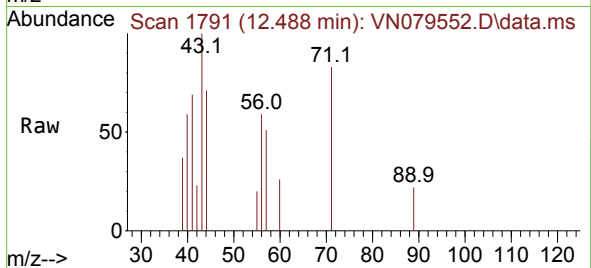
150 159.3 0.0 355.8



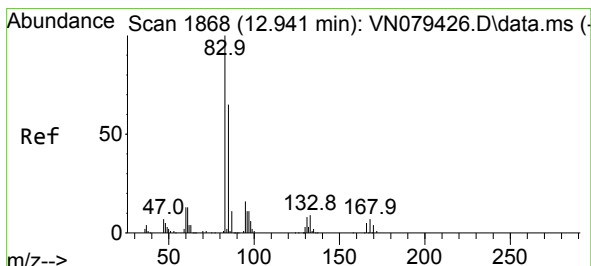
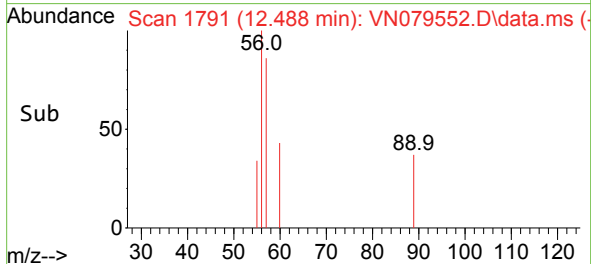
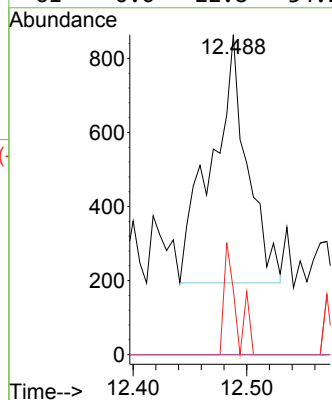


#74
N-amy1 acetate
Concen: 0.368 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

Instrument :
MSVOA_N
ClientSampleId :

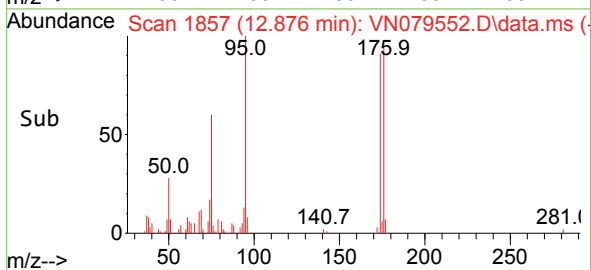
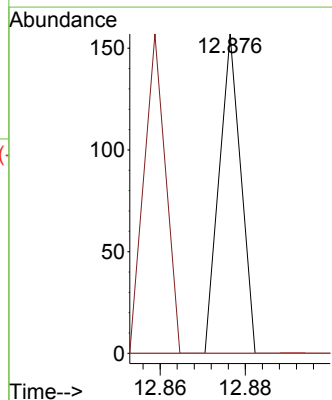
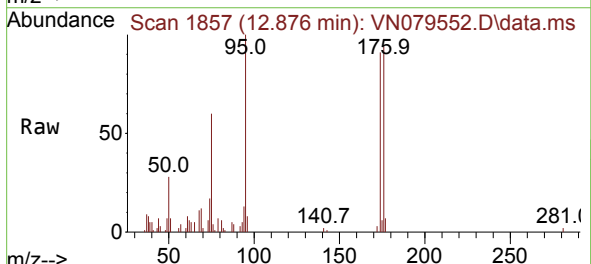


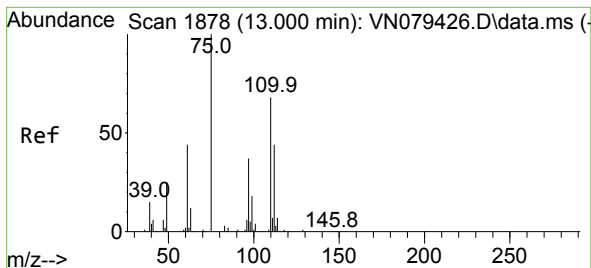
Tgt Ion:	43	Resp:	1458
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	15.7	21.4	32.0#
61	0.0	22.8	34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.876 min Scan# 1857
Delta R.T. -0.065 min
Lab File: VN079552.D
Acq: 12 Oct 2023 17:59

Tgt Ion:	83	Resp:	55
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: 26.509 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079552.D

Acq: 12 Oct 2023 17:59

Instrument :

MSVOA_N

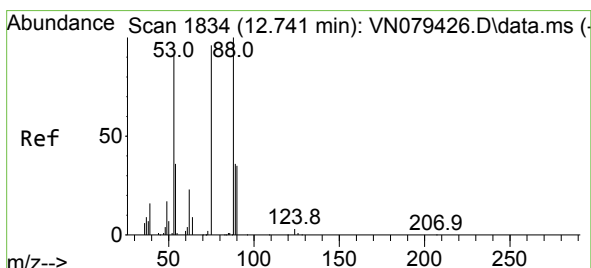
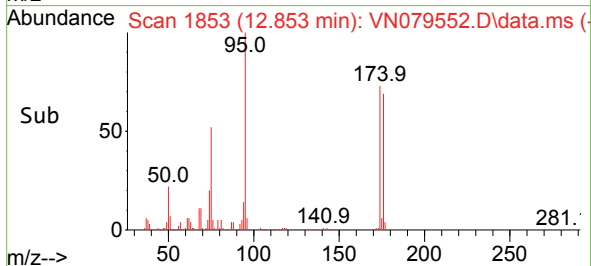
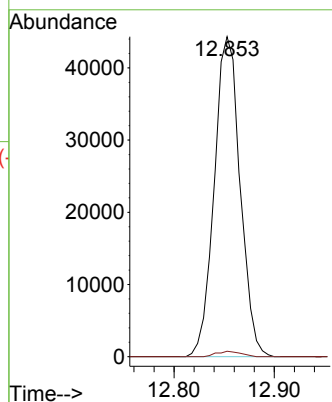
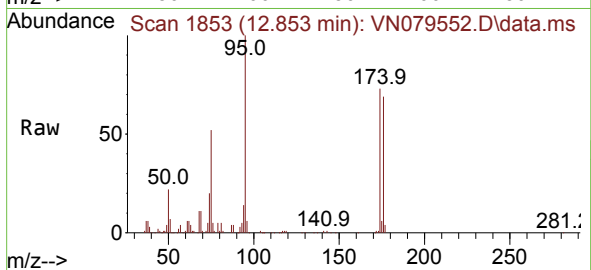
ClientSampleId :

Tgt Ion: 75 Resp: 79380

Ion Ratio Lower Upper

75 100

77 1.6 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.917 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079552.D

Acq: 12 Oct 2023 17:59

Tgt Ion: 75 Resp: 79380

Ion Ratio Lower Upper

75 100

53 0.3 67.4 101.2#

89 0.0 38.8 58.2#

