

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079095.D
 Acq On : 29 Aug 2023 15:41
 Operator : JC\MD
 Sample : PB155153ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 23:30:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

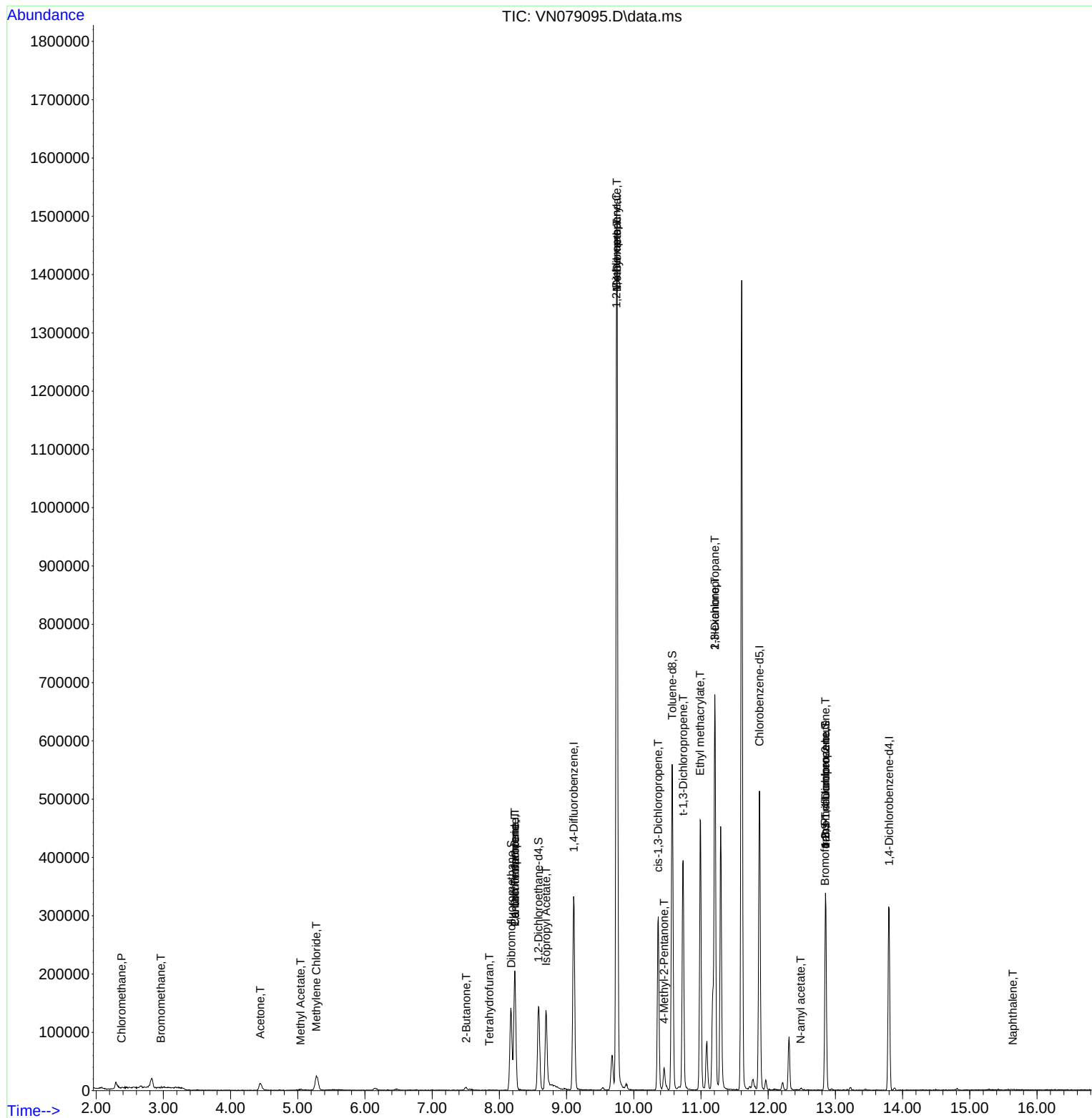
Internal Standards						
1) Pentafluorobenzene	8.230	168	142748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	277989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	285872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	82228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	114379	51.492	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.980%			
35) Dibromofluoromethane	8.177	113	98295	52.528	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.060%			
50) Toluene-d8	10.571	98	372425	53.600	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.200%			
62) 4-Bromofluorobenzene	12.853	95	108602	47.819	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.640%			
Target Compounds						Qvalue
3) Chloromethane	2.377	50	564	0.204	ug/l #	42
5) Bromomethane	2.965	94	411	0.295	ug/l #	4
16) Acetone	4.442	43	22612	24.671	ug/l #	85
18) Methyl Acetate	5.042	43	3305	0.854	ug/l #	49
20) Methylene Chloride	5.277	84	18120	9.277	ug/l #	87
25) 2-Butanone	7.506	43	8090	5.505	ug/l #	59
29) Tetrahydrofuran	7.853	42	306	0.315	ug/l #	38
31) Cyclohexane	8.218	56	1800	Below Cal	#	59
36) 1,1-Dichloropropene	8.230	75	12489	4.437	ug/l #	49
38) Carbon Tetrachloride	8.230	117	15543	5.511	ug/l #	19
43) Isopropyl Acetate	8.694	43	159052	28.572	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	1844	0.832	ug/l #	45
48) Methyl methacrylate	9.747	41	140473	55.688	ug/l #	28
49) 1,4-Dioxane	9.747	88	88	2.048	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	30821	9.335	ug/l #	80
53) t-1,3-Dichloropropene	10.735	75	1305	0.406	ug/l	98
54) cis-1,3-Dichloropropene	10.365	75	48395	13.811	ug/l #	70
56) Ethyl methacrylate	10.988	69	2286	0.720	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7194	1.964	ug/l #	44
59) 2-Hexanone	11.206	43	93230	38.987	ug/l #	44
71) Bromoform	12.847	173	513	0.307	ug/l #	1
74) N-amyl acetate	12.482	43	1021	0.295	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	61239	30.909	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	61239	78.958	ug/l #	15
95) Naphthalene	15.641	128	686	2.746	ug/l #	70

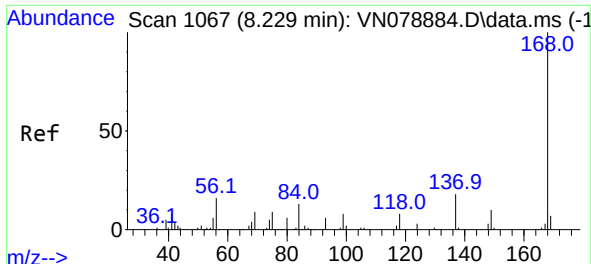
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
Data File : VN079095.D
Acq On : 29 Aug 2023 15:41
Operator : JC\MD
Sample : PB155153ZHE#04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

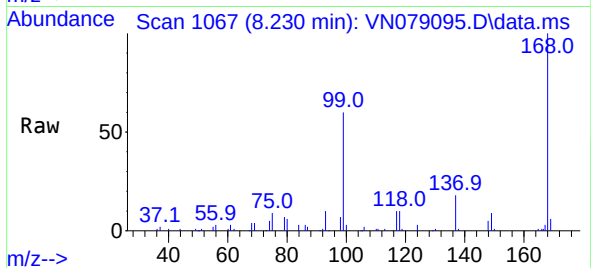
Quant Time: Aug 29 23:30:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration



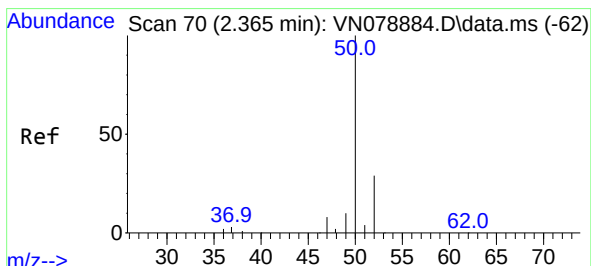
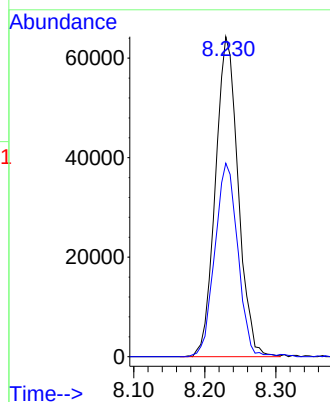
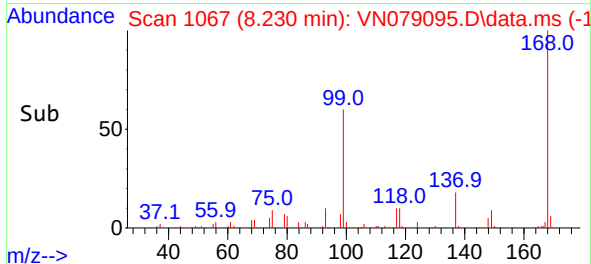


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :

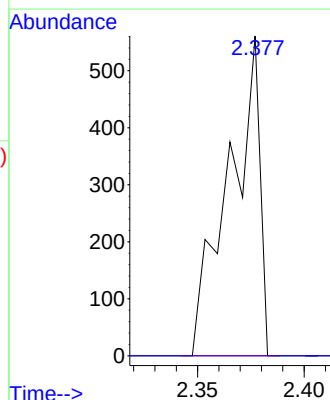
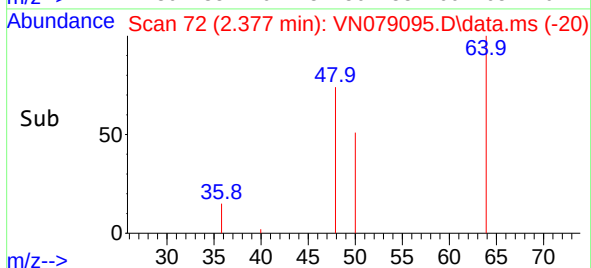
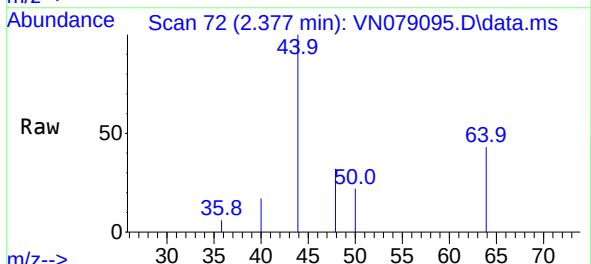


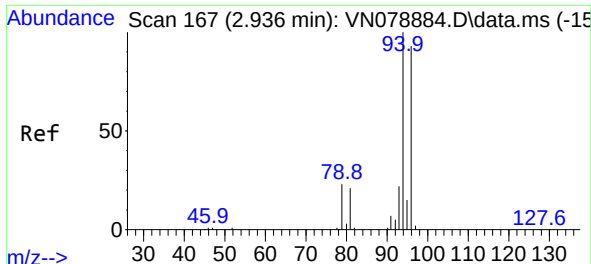
Tgt Ion:168 Resp: 142748
Ion Ratio Lower Upper
168 100
99 60.5 53.0 79.6



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Tgt Ion: 50 Resp: 564
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

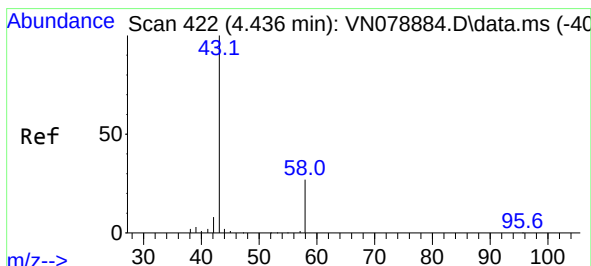
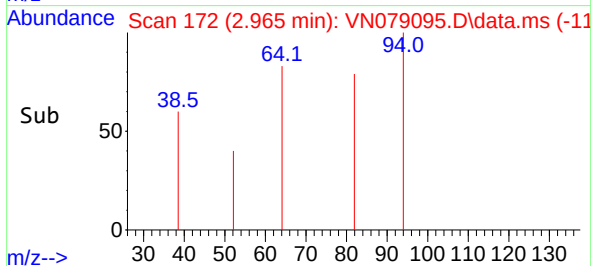
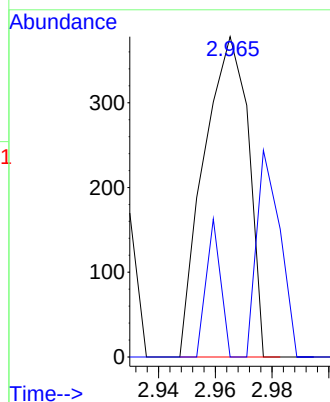
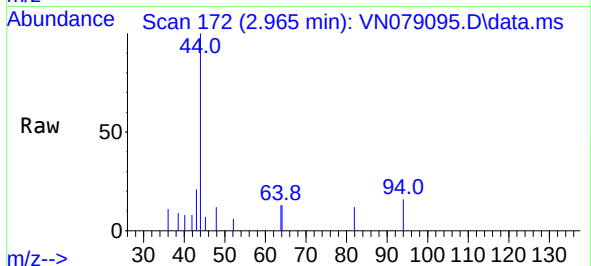




#5
Bromomethane
Concen: 0.295 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

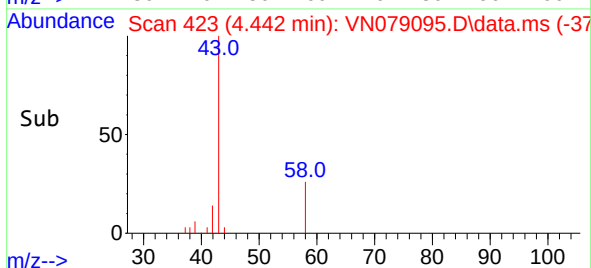
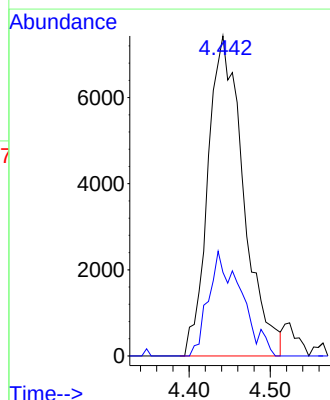
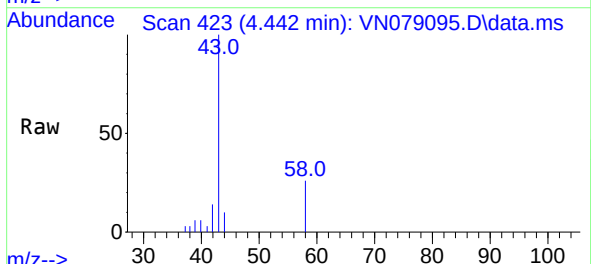
Instrument :
MSVOA_N
ClientSampleId :

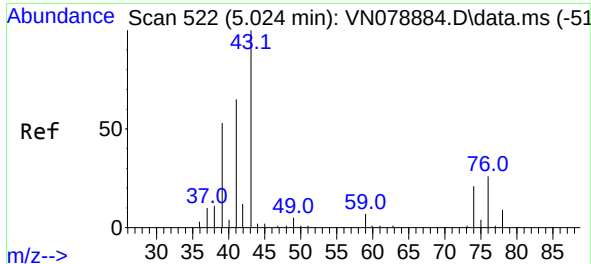
Tgt Ion: 94 Resp: 411
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#16
Acetone
Concen: 24.671 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Tgt Ion: 43 Resp: 22612
Ion Ratio Lower Upper
43 100
58 26.1 28.0 42.0#





#18

Methyl Acetate

Concen: 0.854 ug/l

RT: 5.042 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN079095.D

Acq: 29 Aug 2023 15:41

Instrument :

MSVOA_N

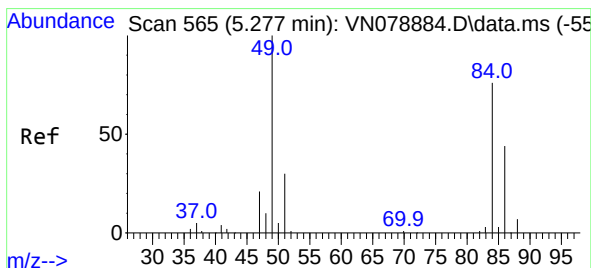
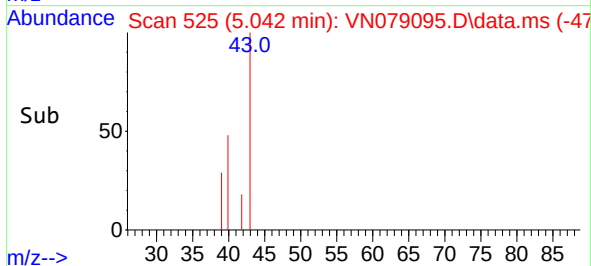
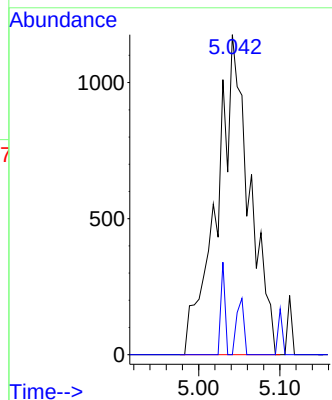
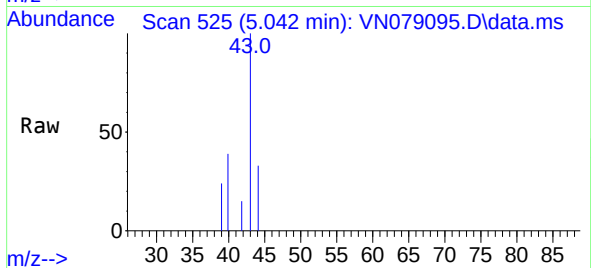
ClientSampleId :

Tgt Ion: 43 Resp: 3305

Ion Ratio Lower Upper

43 100

74 3.9 26.2 39.4#



#20

Methylene Chloride

Concen: 9.277 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN079095.D

Acq: 29 Aug 2023 15:41

Tgt Ion: 84 Resp: 18120

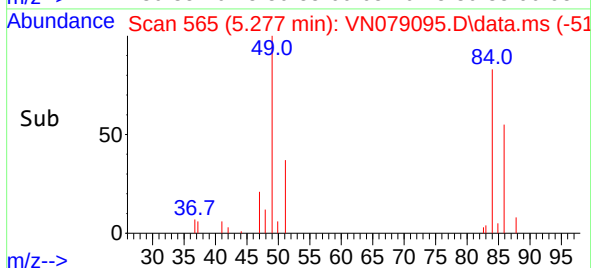
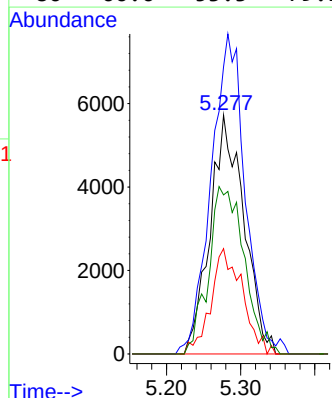
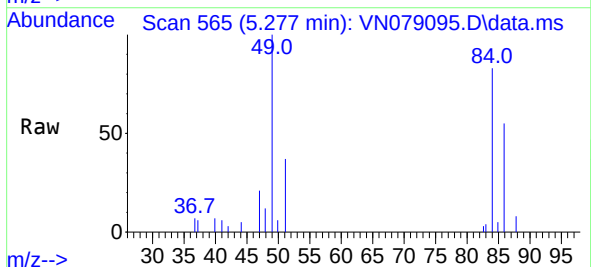
Ion Ratio Lower Upper

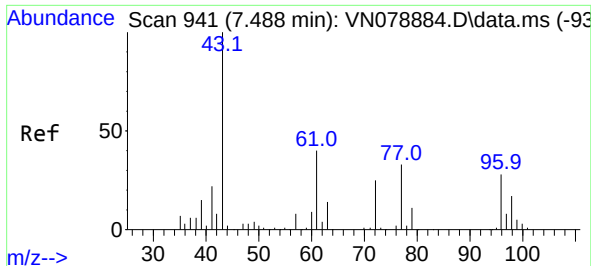
84 100

49 117.3 79.7 119.5

51 44.1 25.2 37.8#

86 66.6 53.3 79.9





#25

2-Butanone

Concen: 5.505 ug/l

RT: 7.506 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN079095.D

Acq: 29 Aug 2023 15:41

Instrument :

MSVOA_N

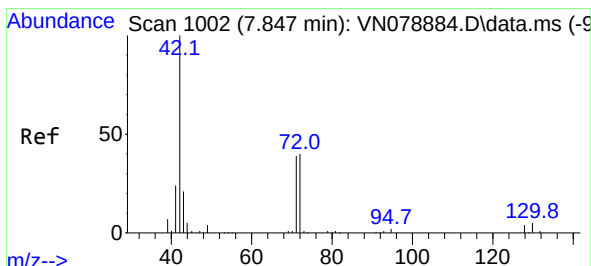
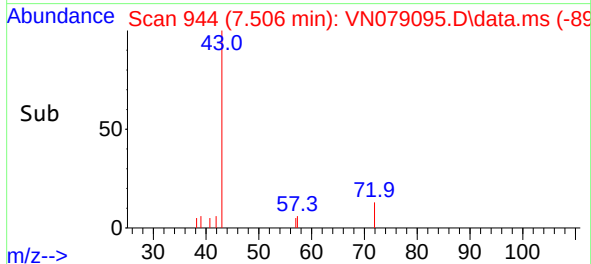
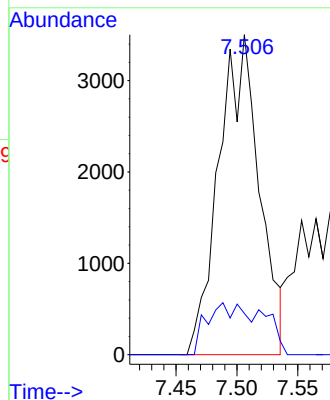
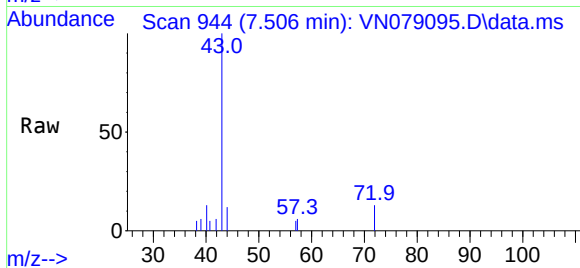
ClientSampleId :

Tgt Ion: 43 Resp: 8090

Ion Ratio Lower Upper

43 100

72 12.9 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.315 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VN079095.D

Acq: 29 Aug 2023 15:41

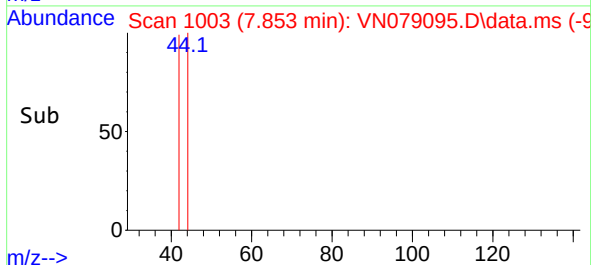
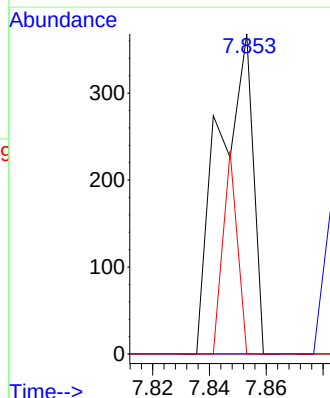
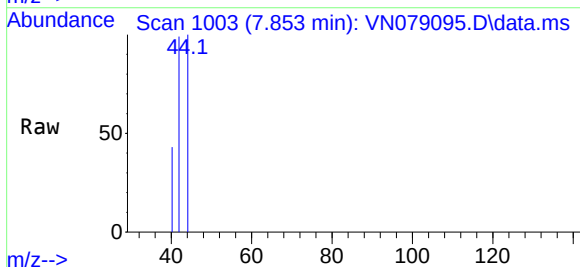
Tgt Ion: 42 Resp: 306

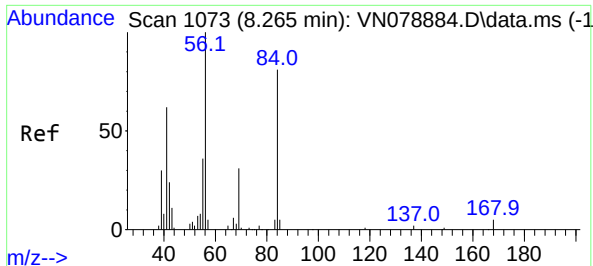
Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

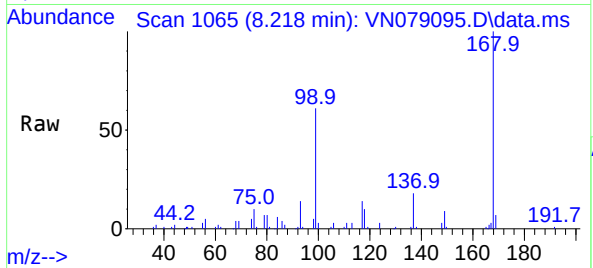
71 26.8 47.4 71.2#



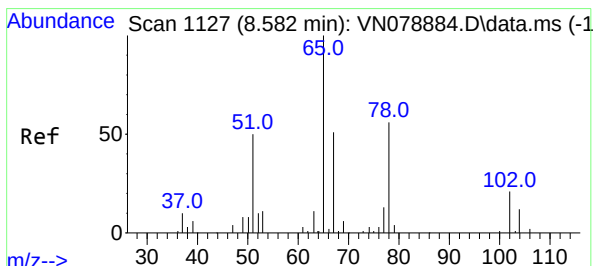
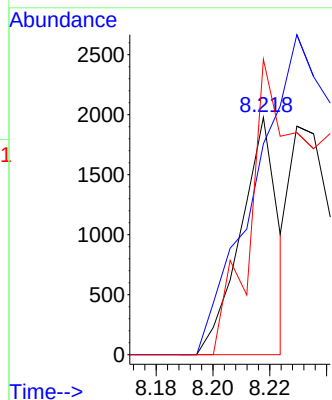
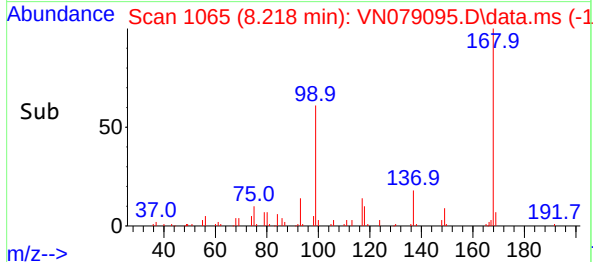


#31
Cyclohexane
Concen: Below Cal
RT: 8.218 min Scan# 1065
Delta R.T. -0.047 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :

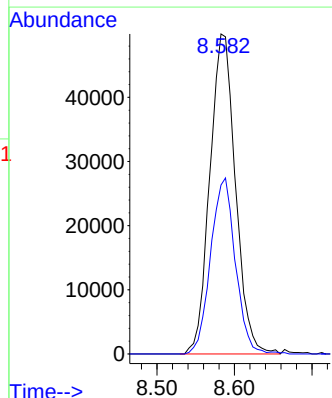
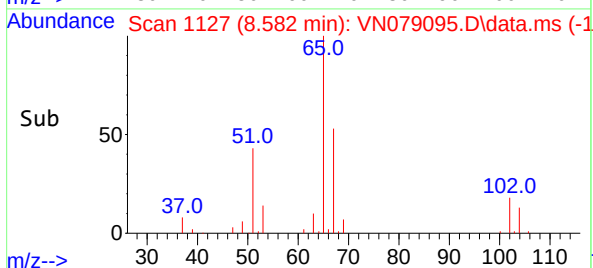
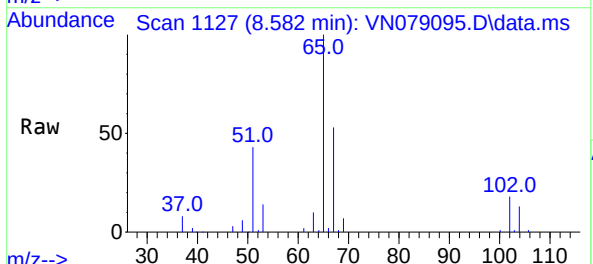


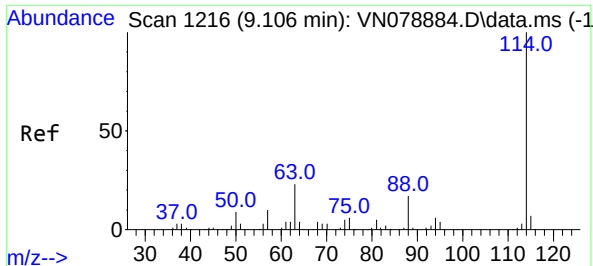
Tgt Ion: 56 Resp: 1800
Ion Ratio Lower Upper
56 100
69 88.9 26.8 40.2#
84 124.5 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 51.492 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Tgt Ion: 65 Resp: 114379
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.6

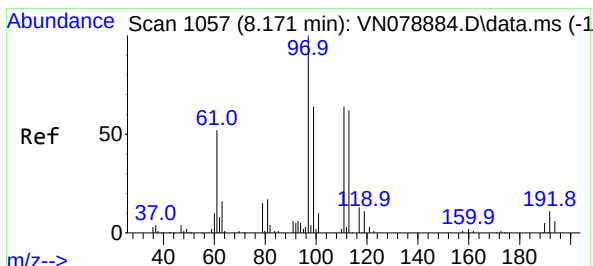
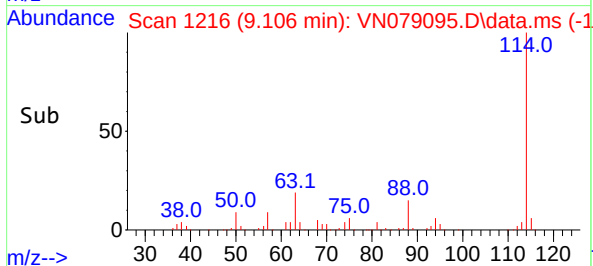
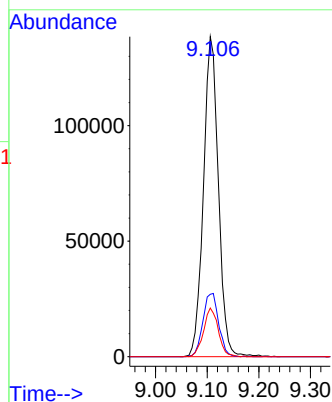
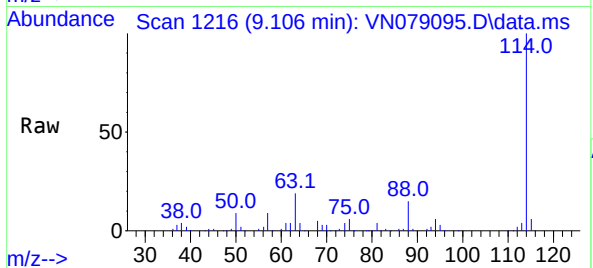




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

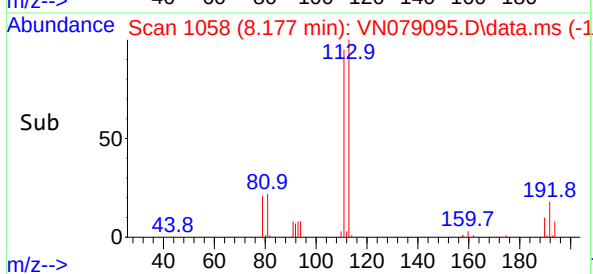
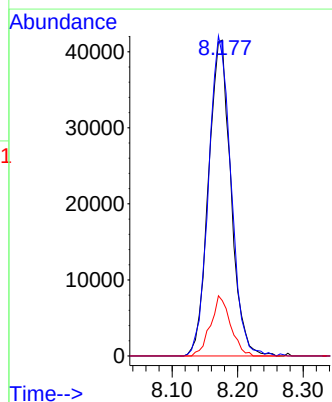
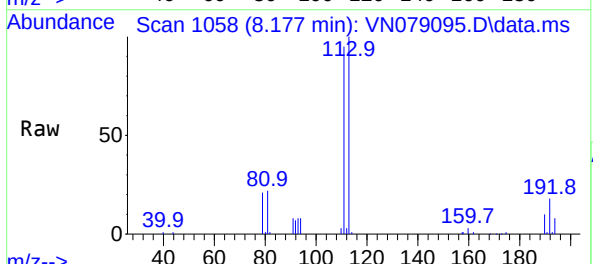
Instrument :
MSVOA_N
ClientSampleId :

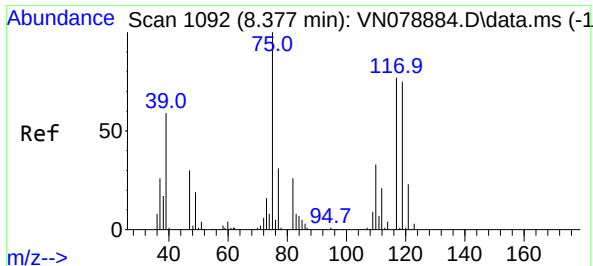
Tgt Ion:114 Resp: 277989
Ion Ratio Lower Upper
114 100
63 19.5 0.0 36.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.528 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

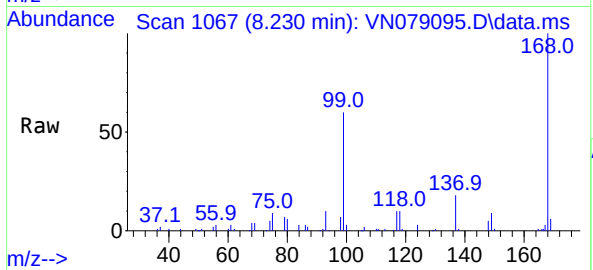
Tgt Ion:113 Resp: 98295
Ion Ratio Lower Upper
113 100
111 101.6 82.6 123.8
192 17.1 12.7 19.1



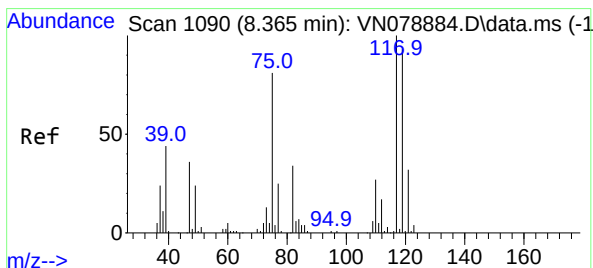
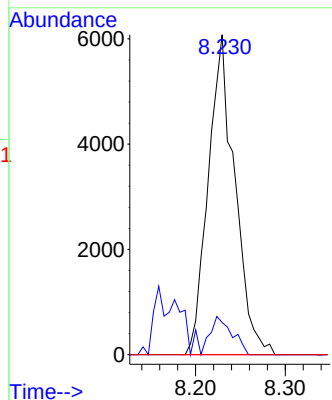
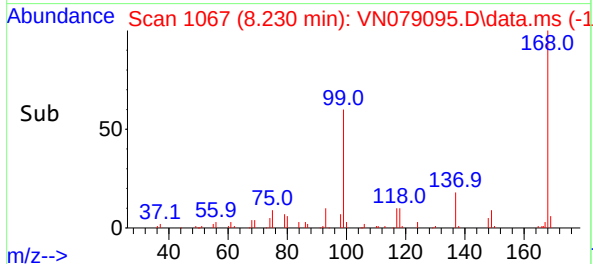


#36
1,1-Dichloropropene
Concen: 4.437 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :

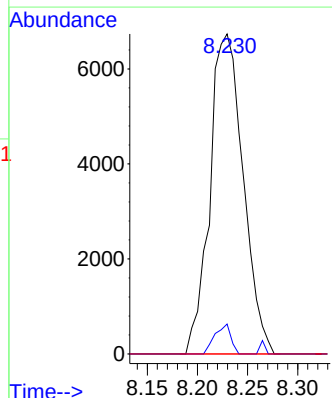
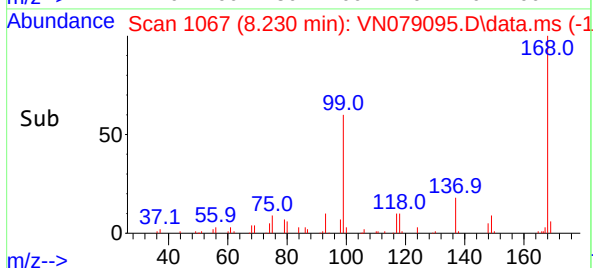
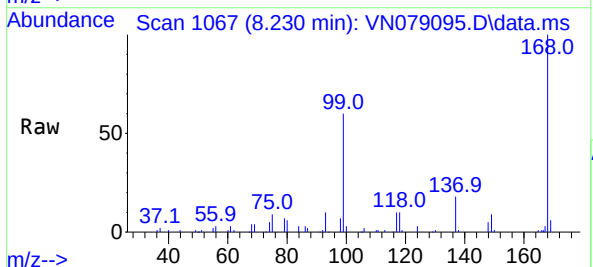


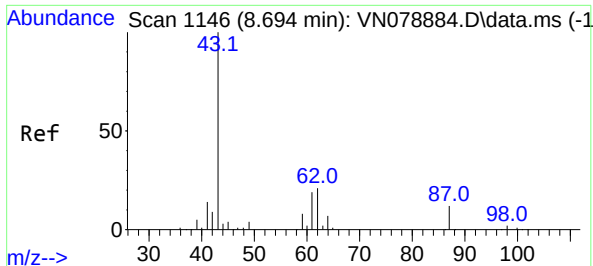
Tgt Ion: 75 Resp: 12489
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.511 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Tgt Ion: 117 Resp: 15543
Ion Ratio Lower Upper
117 100
119 9.3 77.3 115.9#
121 0.0 23.3 34.9#

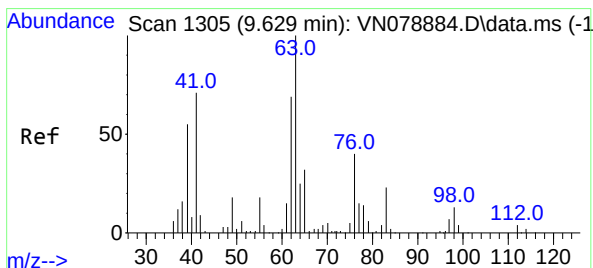
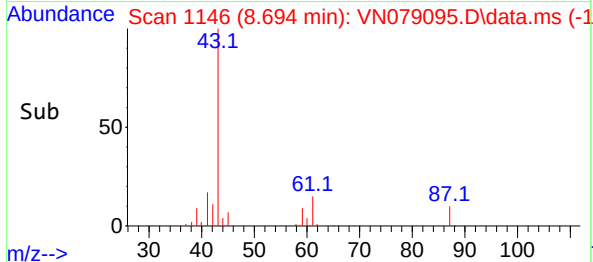
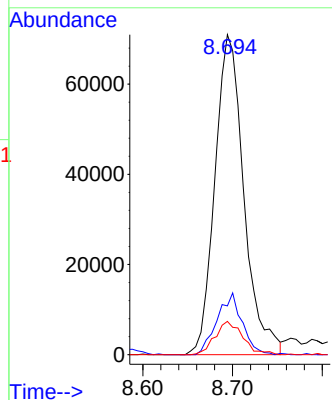
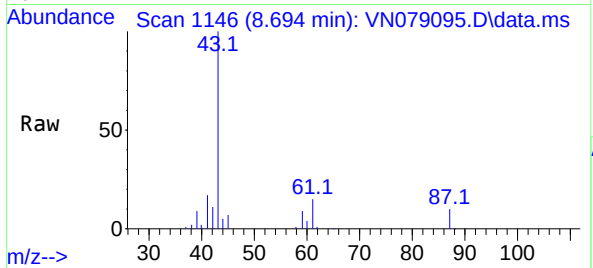




#43
Isopropyl Acetate
Concen: 28.572 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

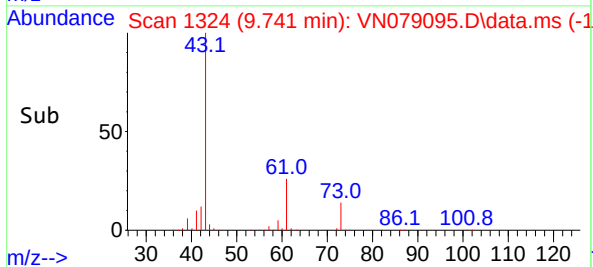
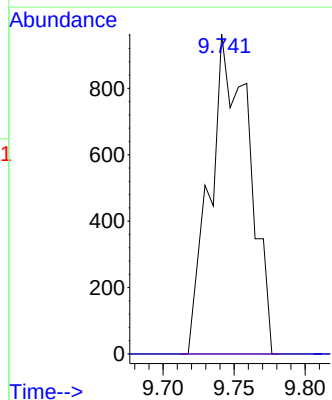
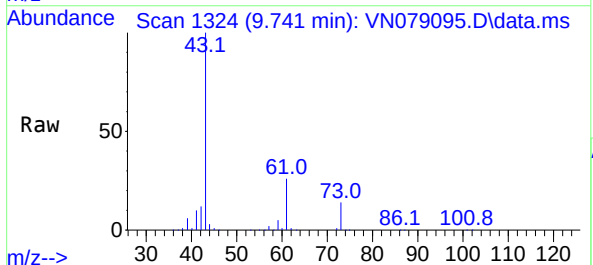
Instrument :
MSVOA_N
ClientSampleId :

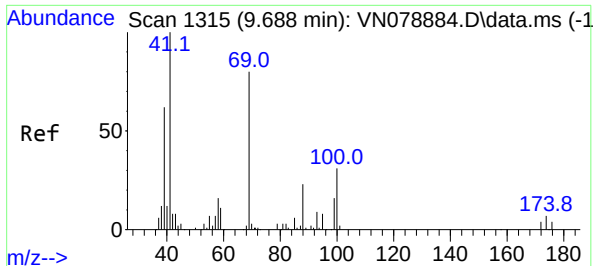
Tgt Ion: 43 Resp: 159052
Ion Ratio Lower Upper
43 100
61 16.7 24.7 37.1#
87 10.0 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.832 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.117 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

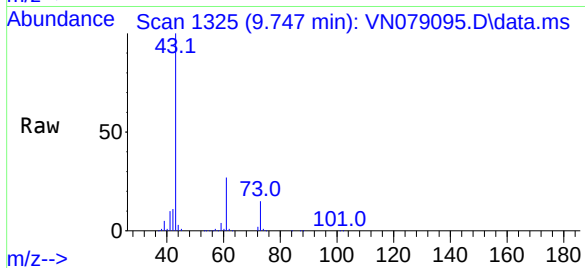
Tgt Ion: 63 Resp: 1844
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



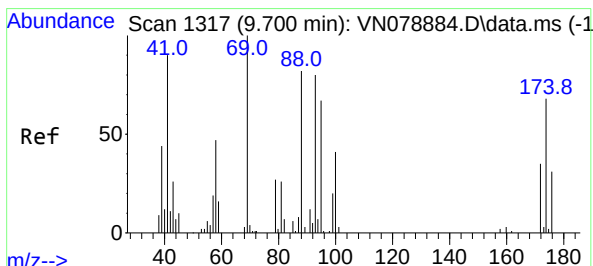
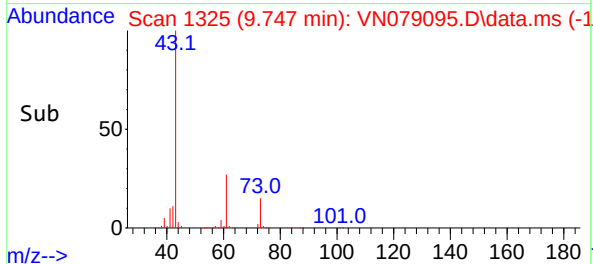
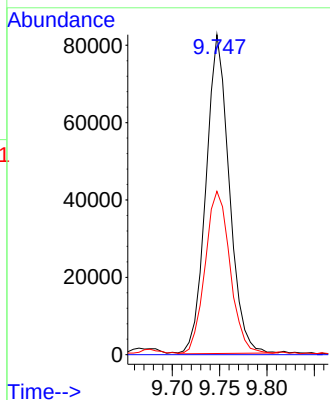


#48
Methyl methacrylate
Concen: 55.688 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :

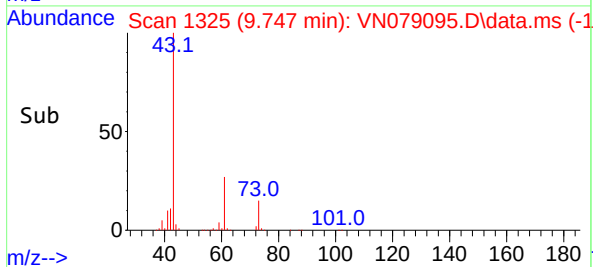
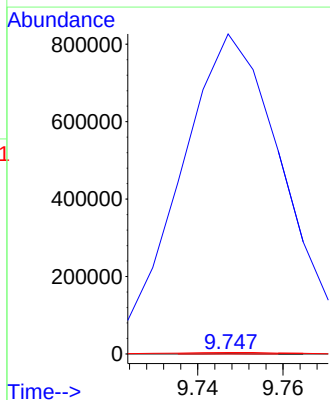
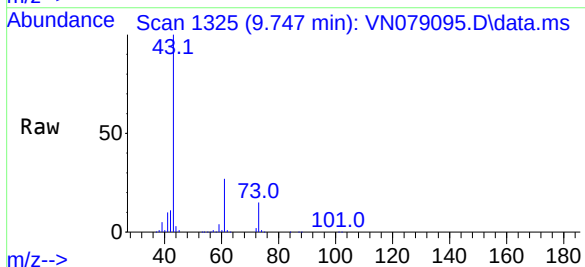


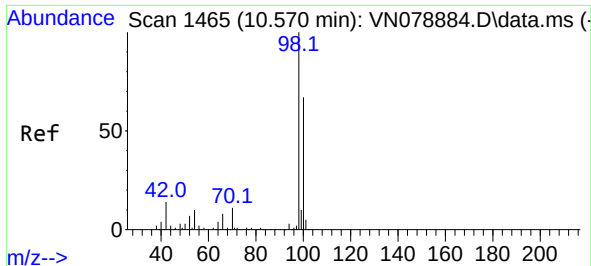
Tgt Ion: 41 Resp: 140473
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 54.8 54.6 81.8



#49
1,4-Dioxane
Concen: 2.048 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Tgt Ion: 88 Resp: 88
Ion Ratio Lower Upper
88 100
43 1646998.9 17.0 25.6#
58 8211.4 47.0 70.4#

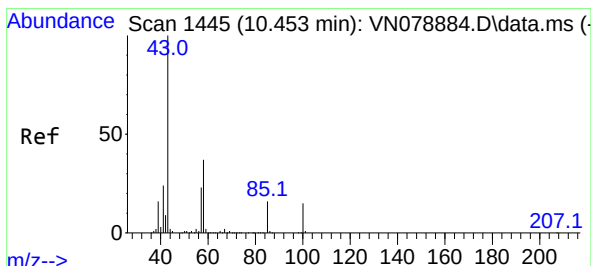
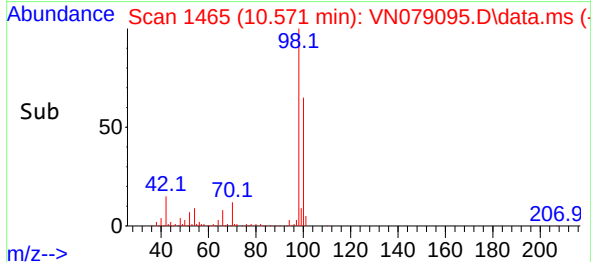
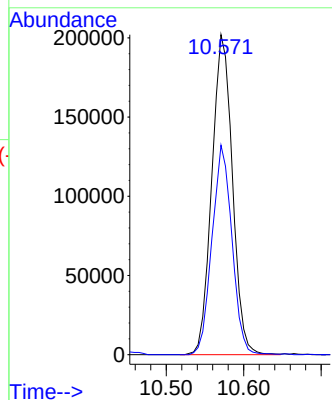
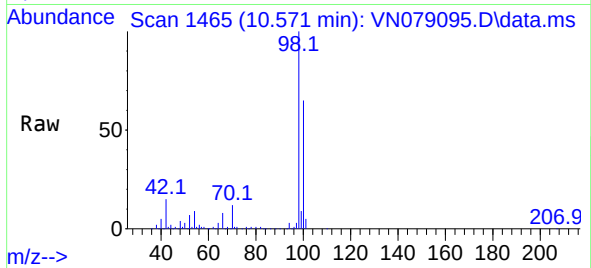




#50
Toluene-d8
Concen: 53.600 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

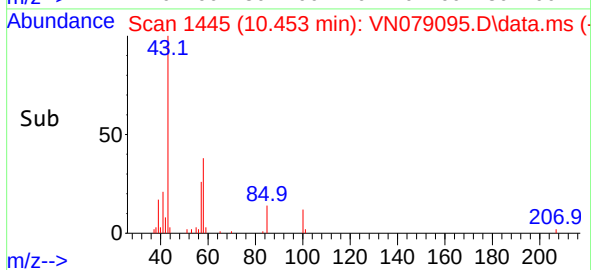
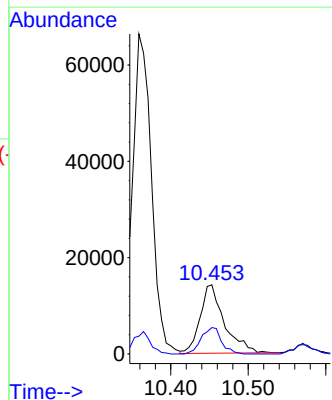
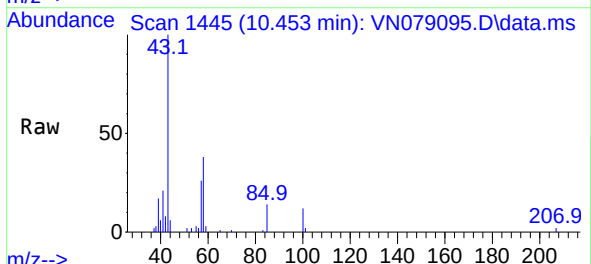
Instrument :
MSVOA_N
ClientSampleId :

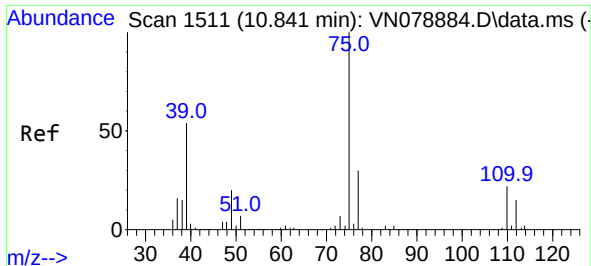
Tgt Ion: 98 Resp: 372425
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 9.335 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Tgt Ion: 43 Resp: 30821
Ion Ratio Lower Upper
43 100
58 32.3 36.6 54.8#

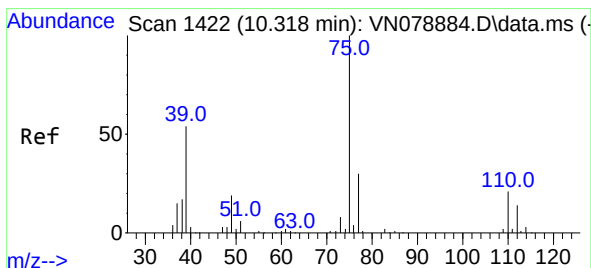
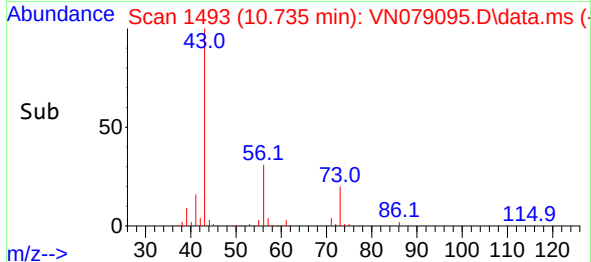
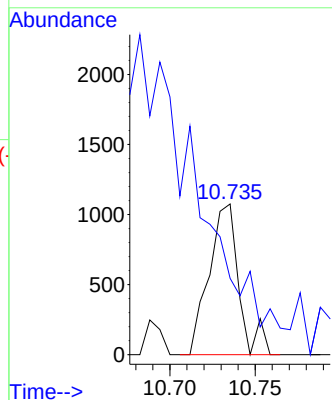
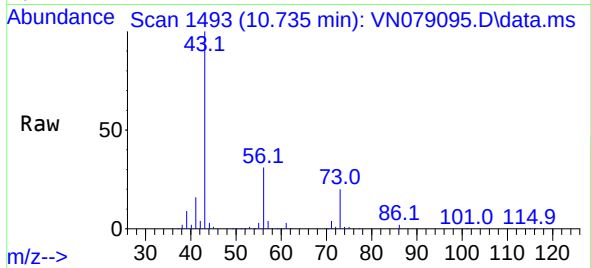




#53
 t-1,3-Dichloropropene
 Concen: 0.406 ug/l
 RT: 10.735 min Scan# 1430
 Delta R.T. -0.106 min
 Lab File: VN079095.D
 Acq: 29 Aug 2023 15:41

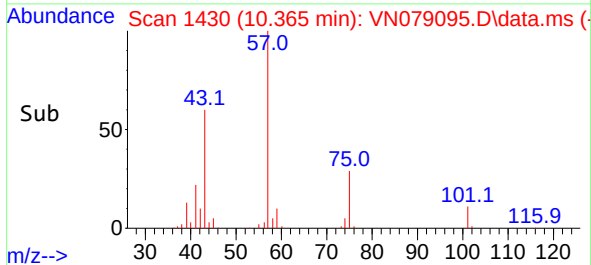
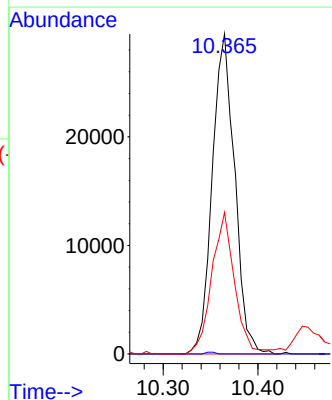
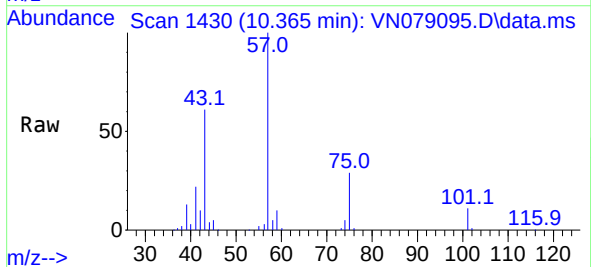
Instrument :
 MSVOA_N
 ClientSampleId :

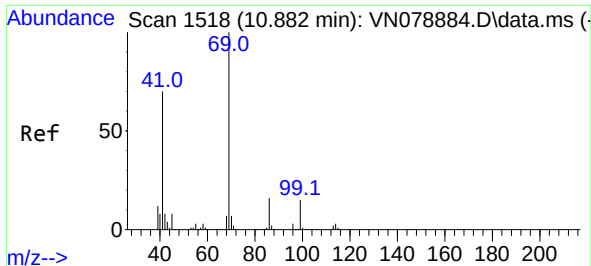
Tgt Ion: 75 Resp: 1305
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 13.811 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079095.D
 Acq: 29 Aug 2023 15:41

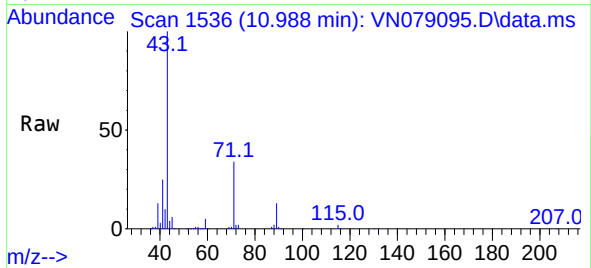
Tgt Ion: 75 Resp: 48395
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 44.3 31.6 47.4



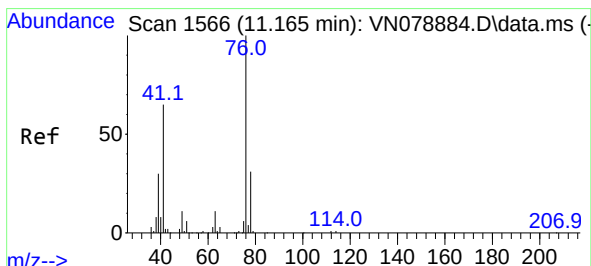
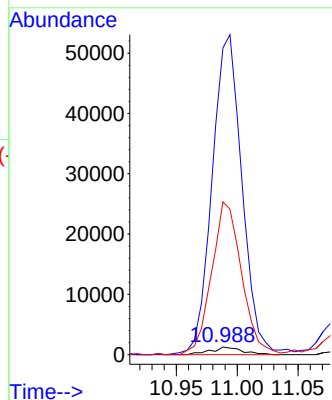
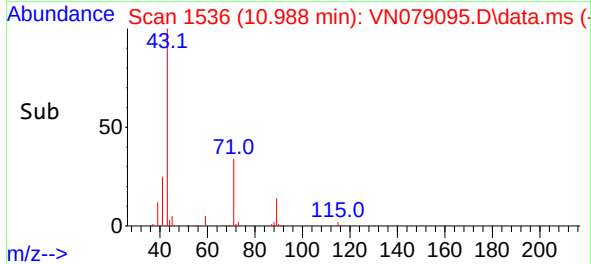


#56
Ethyl methacrylate
Concen: 0.720 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :

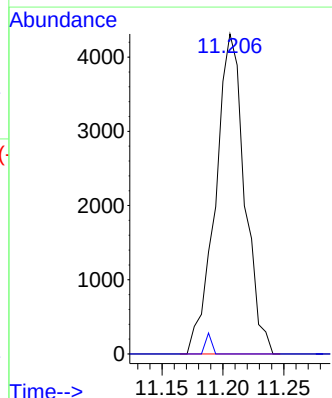
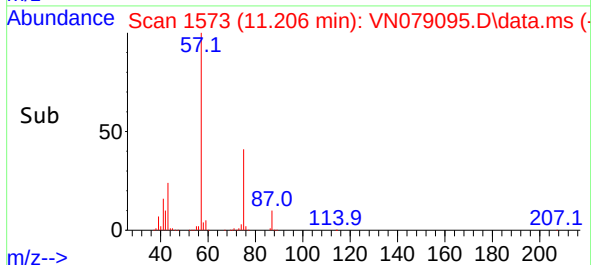
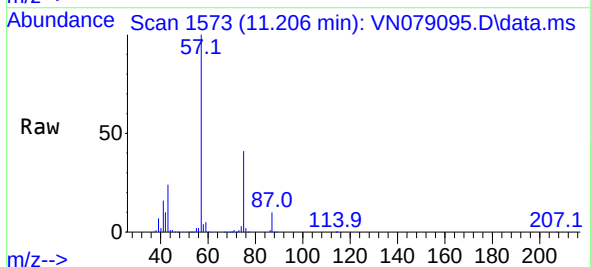


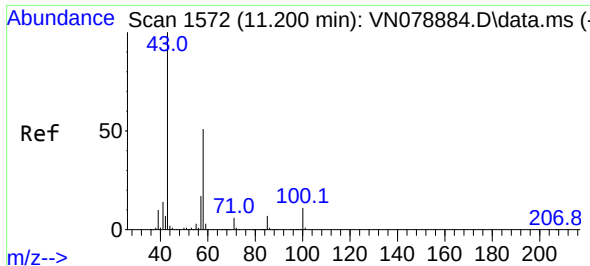
Tgt Ion: 69 Resp: 2286
Ion Ratio Lower Upper
69 100
41 3982.3 39.6 59.4#
39 1898.4 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.964 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Tgt Ion: 76 Resp: 7194
Ion Ratio Lower Upper
76 100
78 1.4 26.1 39.1#

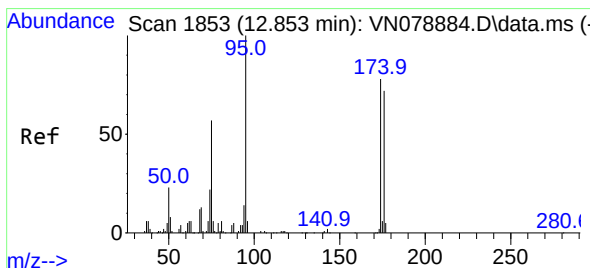
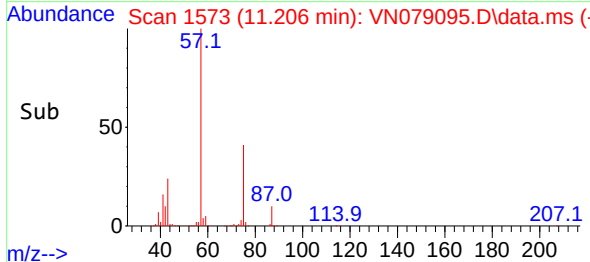
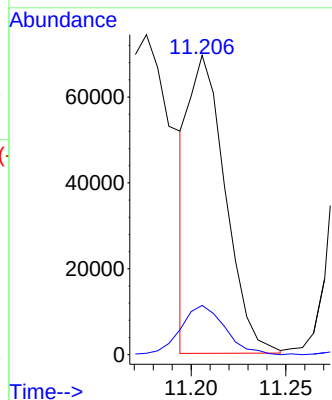
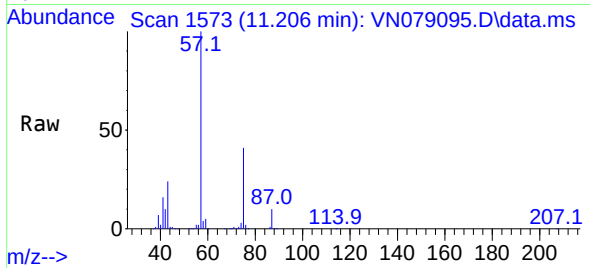




#59
2-Hexanone
Concen: 38.987 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

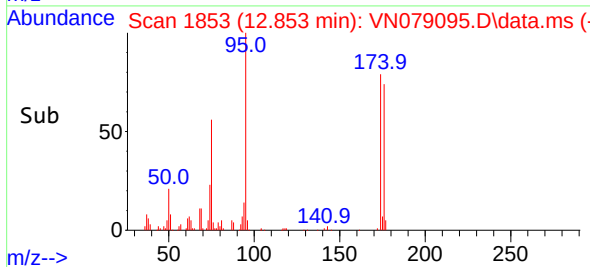
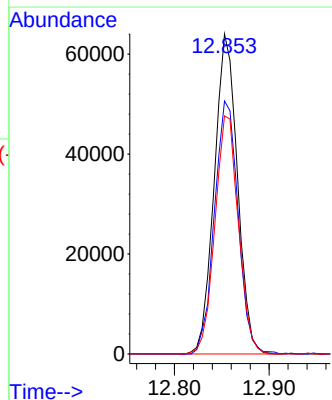
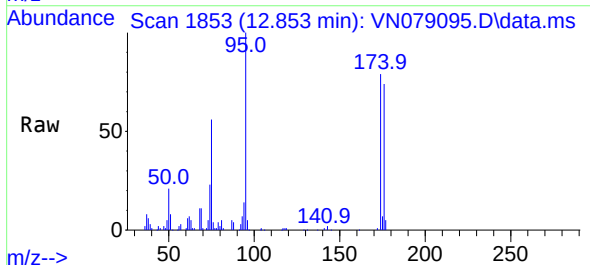
Instrument :
MSVOA_N
ClientSampleId :

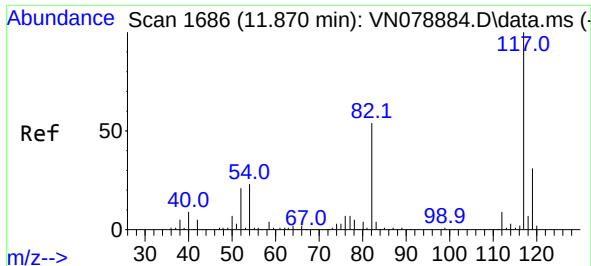
Tgt Ion: 43 Resp: 93230
Ion Ratio Lower Upper
43 100
58 20.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.819 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

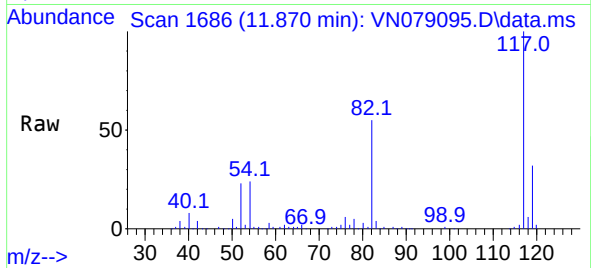
Tgt Ion: 95 Resp: 108602
Ion Ratio Lower Upper
95 100
174 81.0 0.0 143.8
176 75.6 0.0 135.8



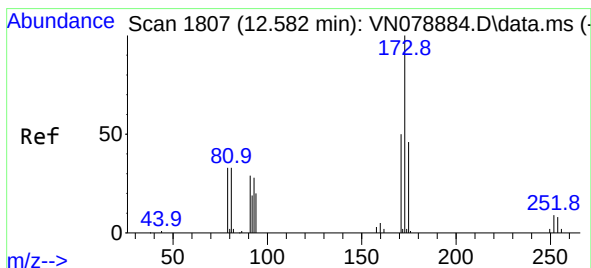
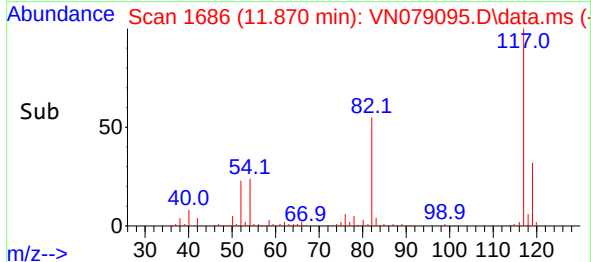
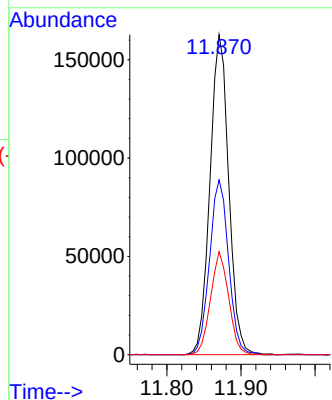


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :

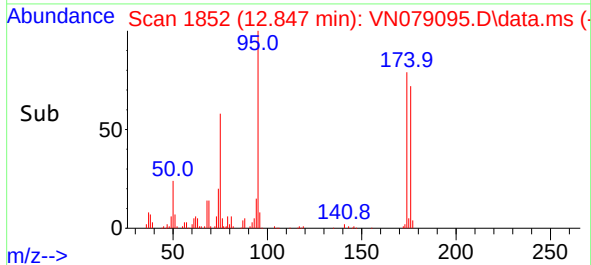
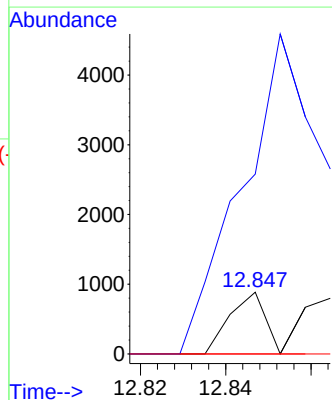
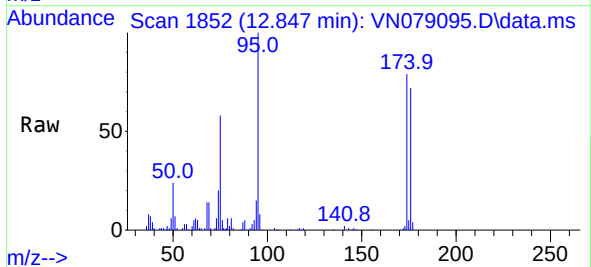


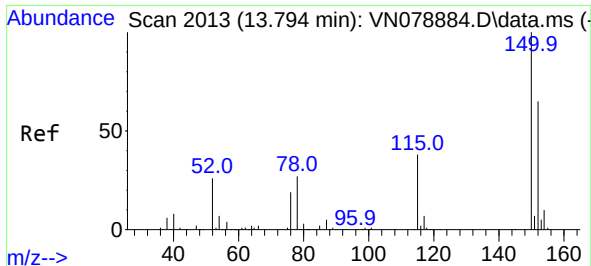
Tgt Ion:117 Resp: 285872
Ion Ratio Lower Upper
117 100
82 54.6 44.0 66.0
119 32.2 25.6 38.4



#71
Bromoform
Concen: 0.307 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Tgt Ion:173 Resp: 513
Ion Ratio Lower Upper
173 100
175 948.7 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# 20

Delta R.T. 0.006 min

Lab File: VN079095.D

Acq: 29 Aug 2023 15:41

Instrument :

MSVOA_N

ClientSampleId :

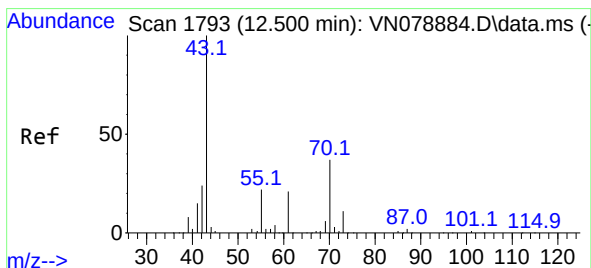
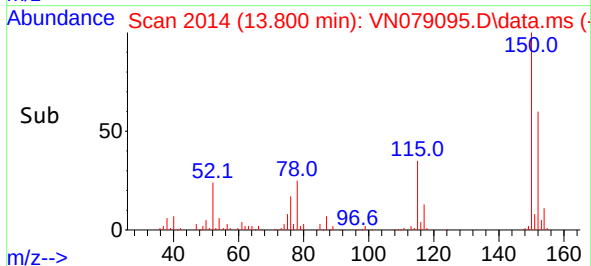
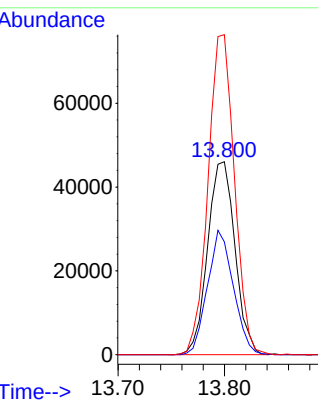
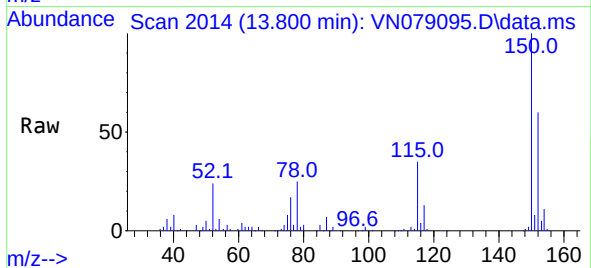
Tgt Ion:152 Resp: 82228

Ion Ratio Lower Upper

152 100

115 60.9 32.3 96.8

150 159.7 0.0 355.8



#74

N-amy1 acetate

Concen: 0.295 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.018 min

Lab File: VN079095.D

Acq: 29 Aug 2023 15:41

Tgt Ion: 43 Resp: 1021

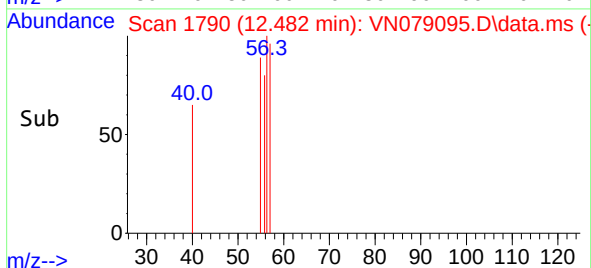
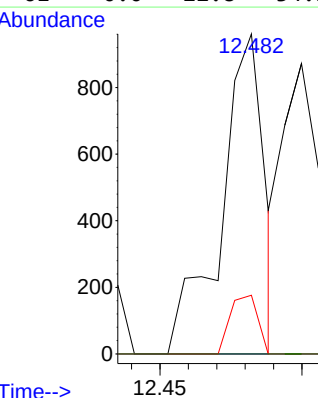
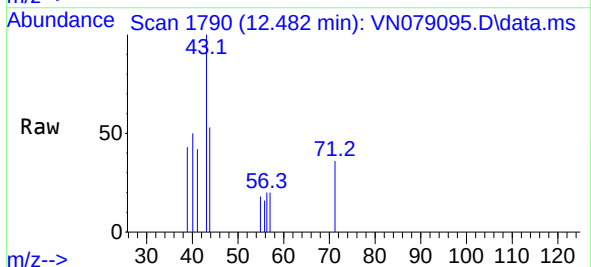
Ion Ratio Lower Upper

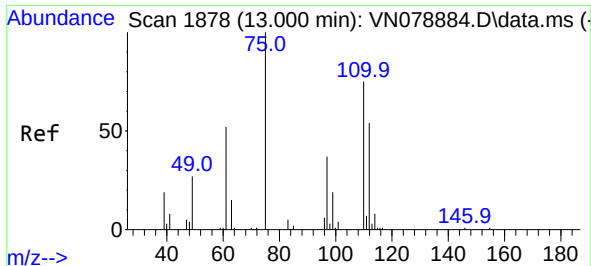
43 100

70 0.0 43.4 65.2#

55 11.7 21.4 32.0#

61 0.0 22.8 34.2#

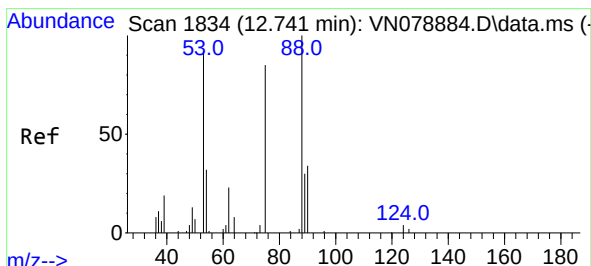
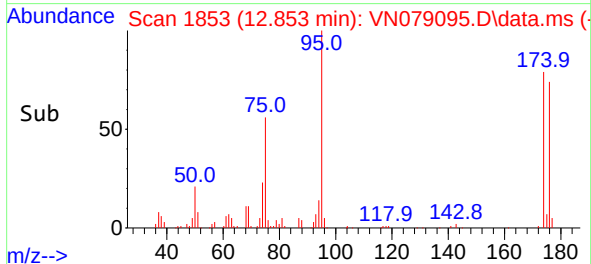
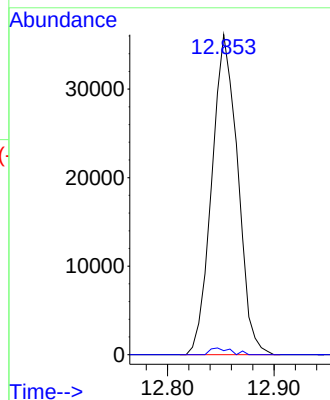
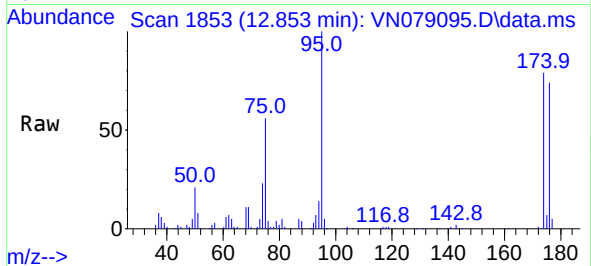




#76
1,2,3-Trichloropropane
Concen: 30.909 ug/l
RT: 12.853 min Scan# 1878
Delta R.T. -0.147 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

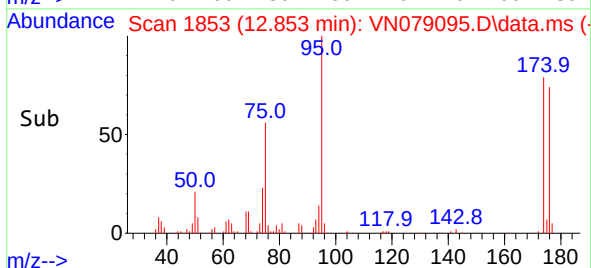
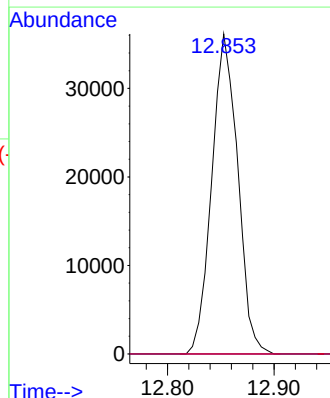
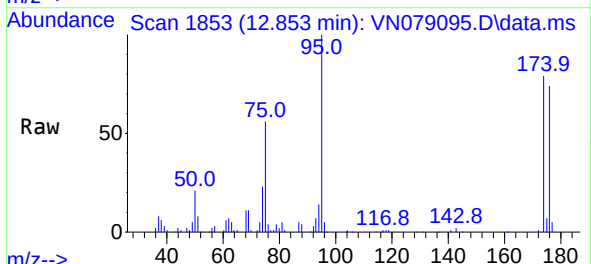
Instrument :
MSVOA_N
ClientSampleId :

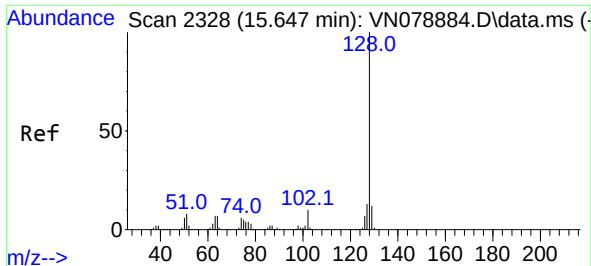
Tgt Ion: 75 Resp: 61239
Ion Ratio Lower Upper
75 100
77 1.7 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.958 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

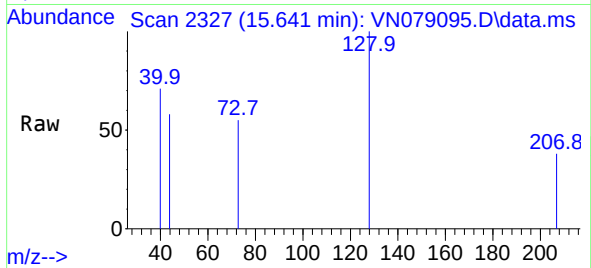
Tgt Ion: 75 Resp: 61239
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 2.746 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN079095.D
Acq: 29 Aug 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	686
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.7	13.1#

