

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079094.D
 Acq On : 29 Aug 2023 15:17
 Operator : JC\MD
 Sample : PB155153ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 23:30:14 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)

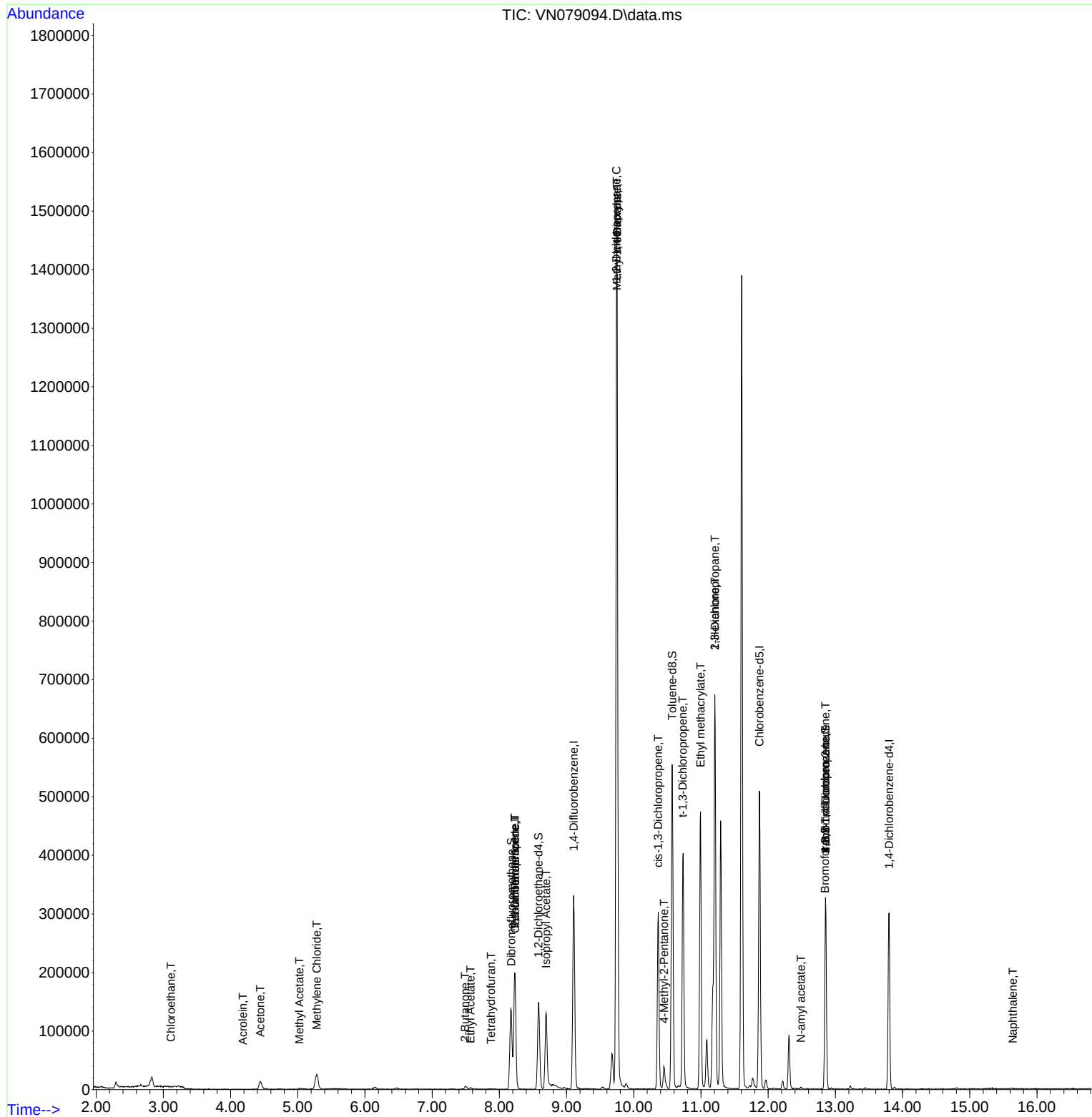
Internal Standards						
1) Pentafluorobenzene	8.230	168	144048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	274788	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	276793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	80254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	117667	52.495	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.980%			
35) Dibromofluoromethane	8.177	113	96094	51.950	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.900%			
50) Toluene-d8	10.571	98	363288	52.894	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.780%			
62) 4-Bromofluorobenzene	12.853	95	104726	46.650	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.300%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.112	64	489	0.286	ug/l #	43
13) Acrolein	4.183	56	64	7.102	ug/l #	16
16) Acetone	4.442	43	24305	26.279	ug/l	89
18) Methyl Acetate	5.024	43	1360	0.348	ug/l #	52
20) Methylene Chloride	5.283	84	18731	9.503	ug/l #	82
25) 2-Butanone	7.488	43	8550	5.766	ug/l #	58
29) Tetrahydrofuran	7.877	42	602	0.613	ug/l #	20
31) Cyclohexane	8.235	56	3926	Below Cal	#	7
36) 1,1-Dichloropropene	8.230	75	13408	4.819	ug/l #	47
37) Ethyl Acetate	7.571	43	4762	1.530	ug/l #	71
38) Carbon Tetrachloride	8.235	117	16764	6.013	ug/l #	18
43) Isopropyl Acetate	8.694	43	151854	27.597	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	1979	0.904	ug/l #	45
48) Methyl methacrylate	9.747	41	143142	57.407	ug/l #	30
49) 1,4-Dioxane	9.753	88	59	1.389	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	30253	9.270	ug/l #	81
53) t-1,3-Dichloropropene	10.729	75	1018	0.320	ug/l #	43
54) cis-1,3-Dichloropropene	10.365	75	48773	14.081	ug/l #	71
56) Ethyl methacrylate	10.994	69	2307	0.735	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6695	1.849	ug/l #	42
59) 2-Hexanone	11.206	43	93015	39.350	ug/l #	45
71) Bromoform	12.847	173	915	0.565	ug/l #	28
74) N-amyl acetate	12.488	43	1407	0.417	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	58448	30.225	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	58448	77.213	ug/l #	15
95) Naphthalene	15.641	128	764	2.770	ug/l #	70

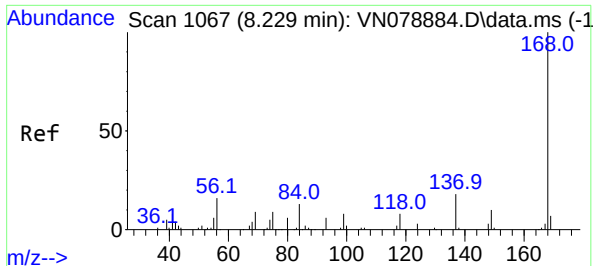
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB155153ZHE#03
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

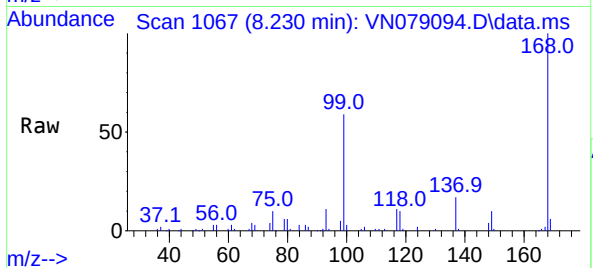
Quant Time: Aug 29 23:30:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration



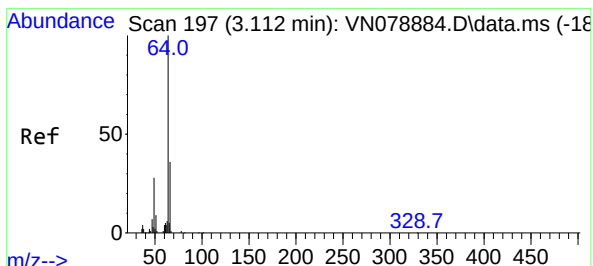
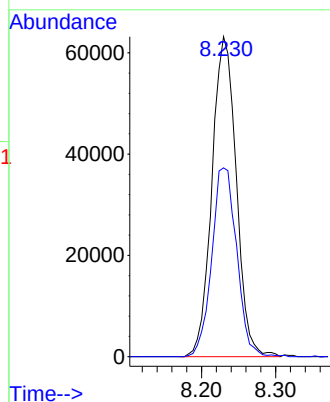
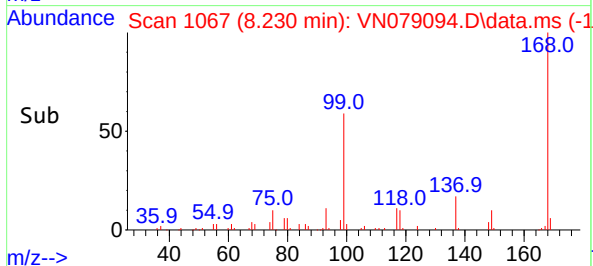


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :

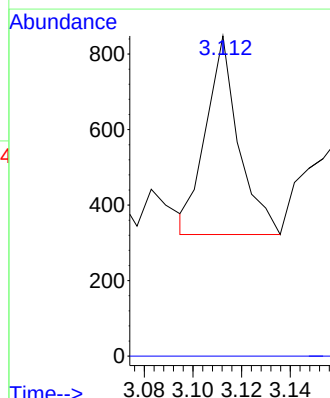
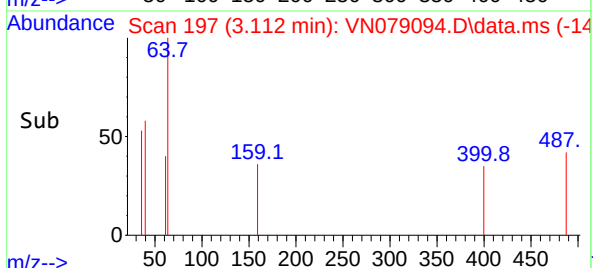
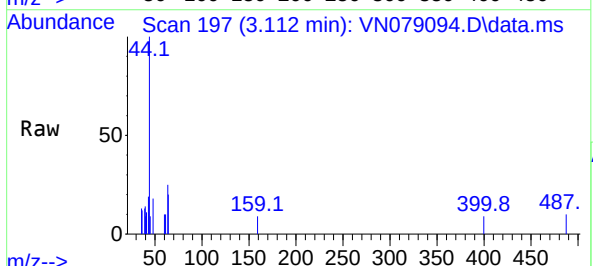


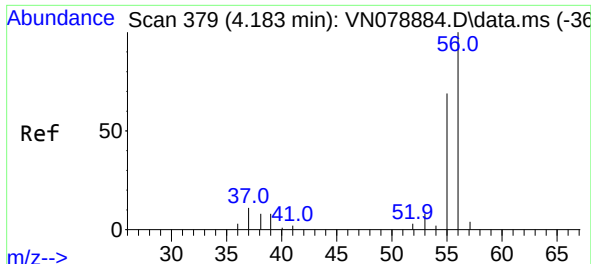
Tgt Ion:168 Resp: 144048
Ion Ratio Lower Upper
168 100
99 59.0 53.0 79.6



#6
Chloroethane
Concen: 0.286 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

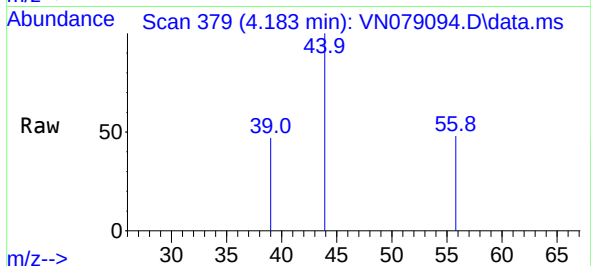
Tgt Ion: 64 Resp: 489
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



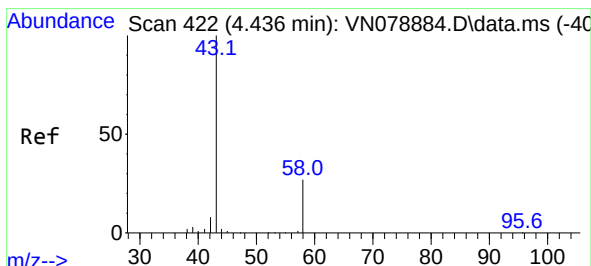
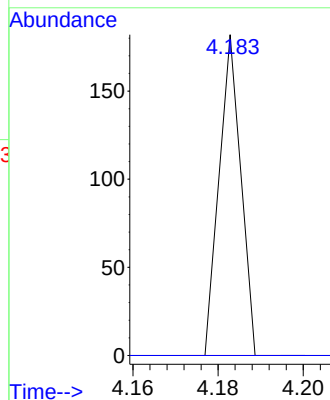
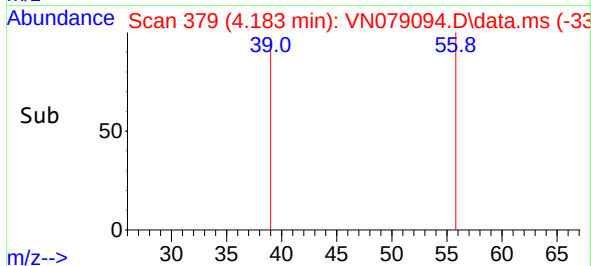


#13
Acrolein
Concen: 7.102 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

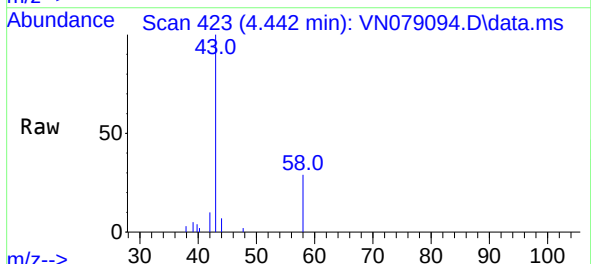
Instrument :
MSVOA_N
ClientSampleId :



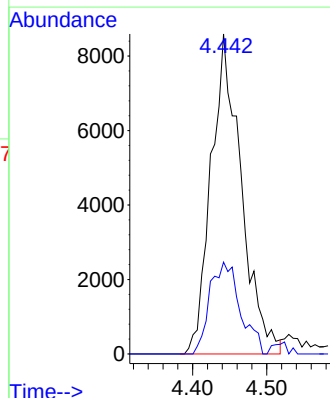
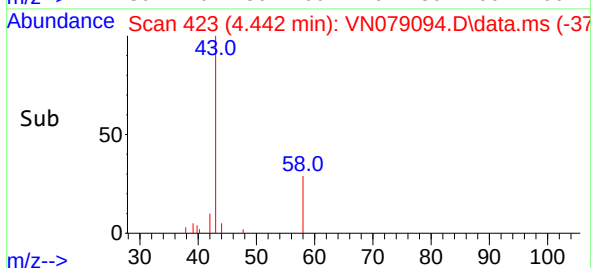
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

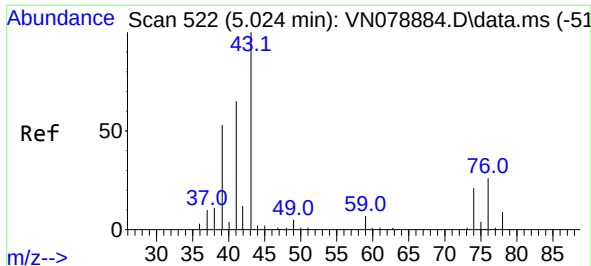


#16
Acetone
Concen: 26.279 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17



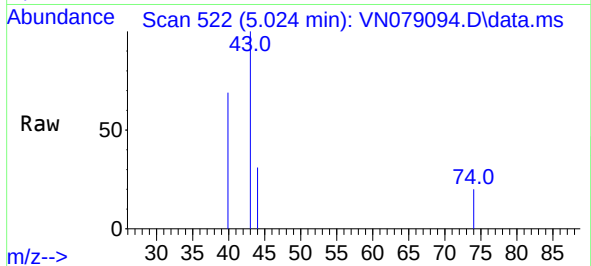
Tgt Ion: 43 Resp: 24305
Ion Ratio Lower Upper
43 100
58 28.7 28.0 42.0



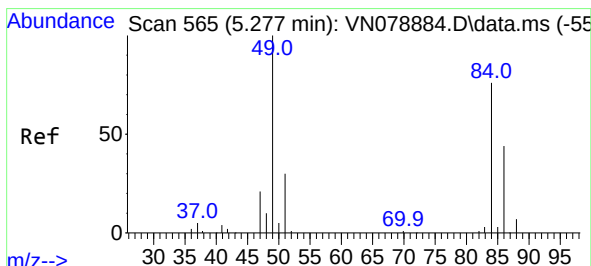
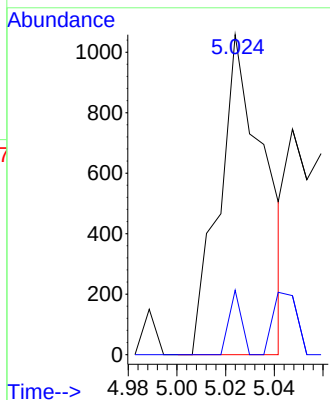
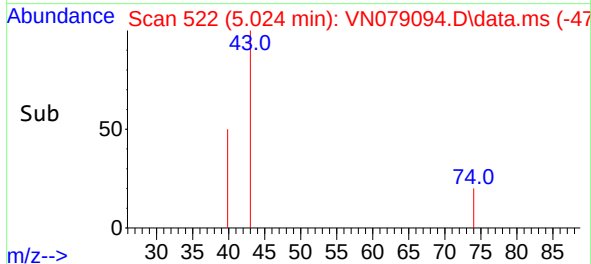


#18
Methyl Acetate
Concen: 0.348 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :

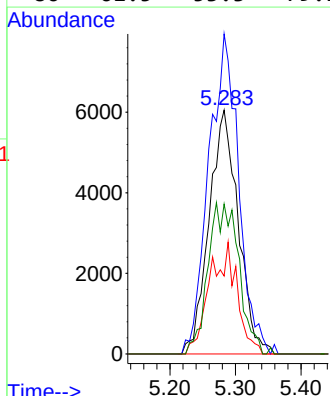
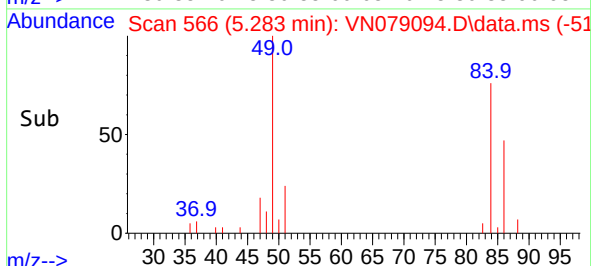
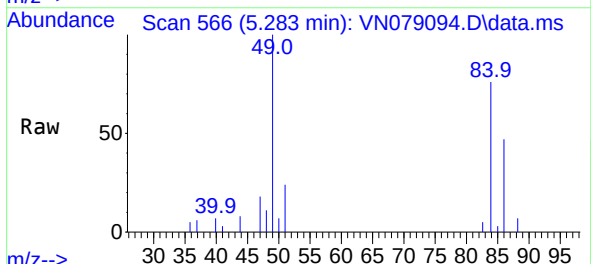


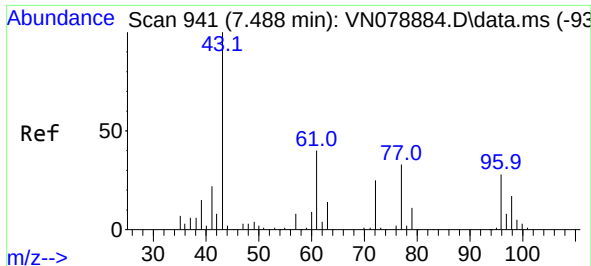
Tgt Ion: 43 Resp: 1360
Ion Ratio Lower Upper
43 100
74 5.5 26.2 39.4#



#20
Methylene Chloride
Concen: 9.503 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

Tgt Ion: 84 Resp: 18731
Ion Ratio Lower Upper
84 100
49 131.2 79.7 119.5#
51 32.0 25.2 37.8
86 61.5 53.3 79.9





#25

2-Butanone

Concen: 5.766 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.006 min

Lab File: VN079094.D

Acq: 29 Aug 2023 15:17

Instrument :

MSVOA_N

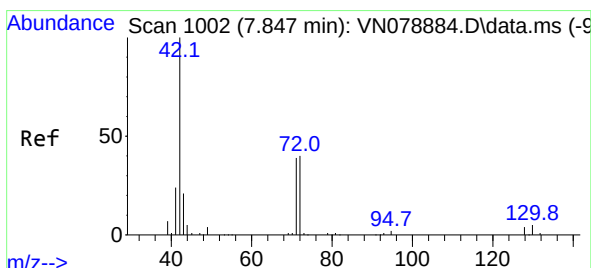
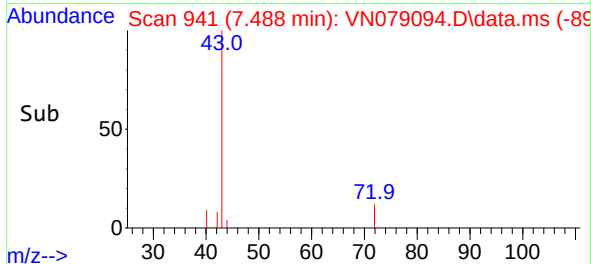
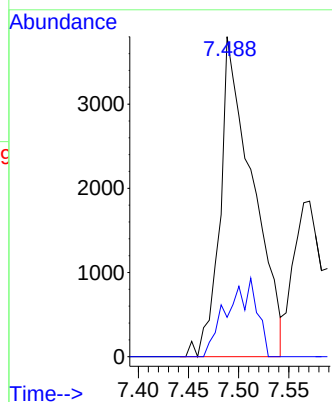
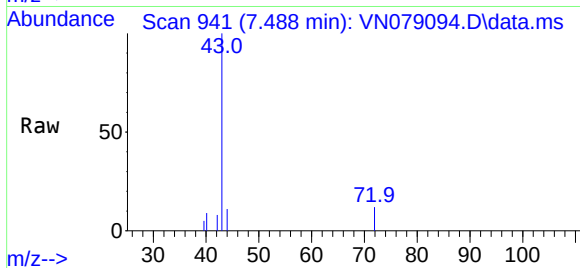
ClientSampleId :

Tgt Ion: 43 Resp: 8550

Ion Ratio Lower Upper

43 100

72 12.3 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.613 ug/l

RT: 7.877 min Scan# 1007

Delta R.T. 0.030 min

Lab File: VN079094.D

Acq: 29 Aug 2023 15:17

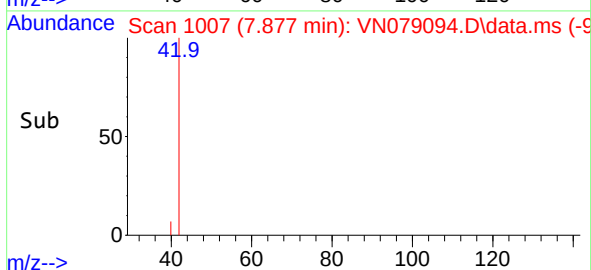
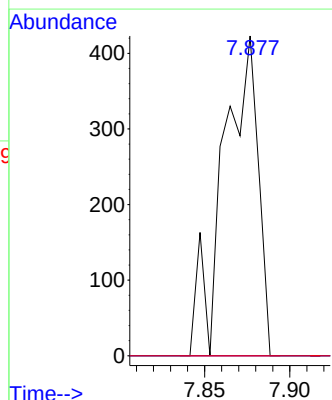
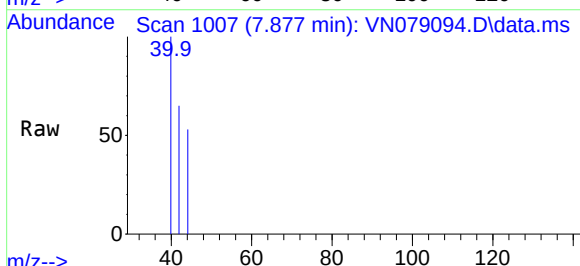
Tgt Ion: 42 Resp: 602

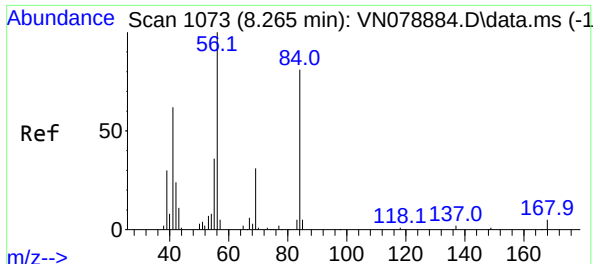
Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 0.0 47.4 71.2#





#31

Cyclohexane

Concen: Below Cal

RT: 8.235 min Scan# 1068

Delta R.T. -0.030 min

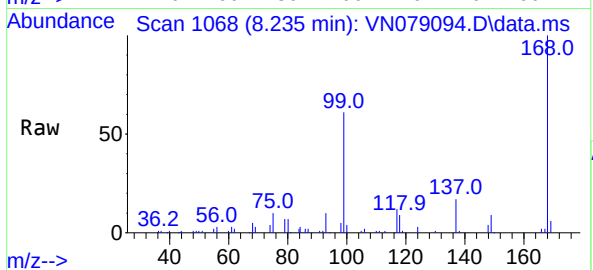
Lab File: VN079094.D

Acq: 29 Aug 2023 15:17

Instrument :

MSVOA_N

ClientSampleId :



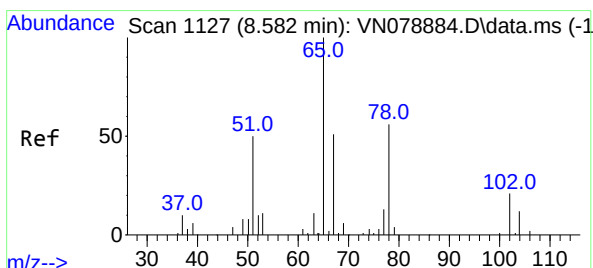
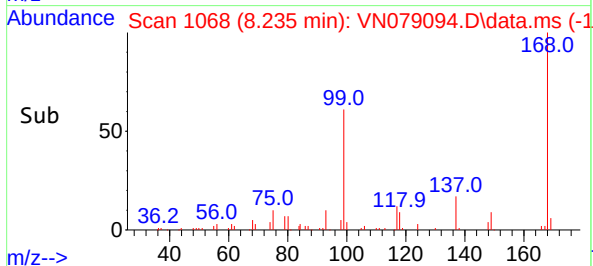
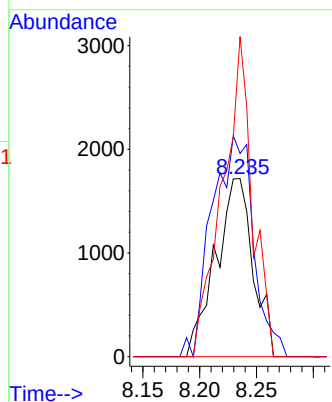
Tgt Ion: 56 Resp: 3926

Ion Ratio Lower Upper

56 100

69 114.1 26.8 40.2#

84 179.7 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 52.495 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079094.D

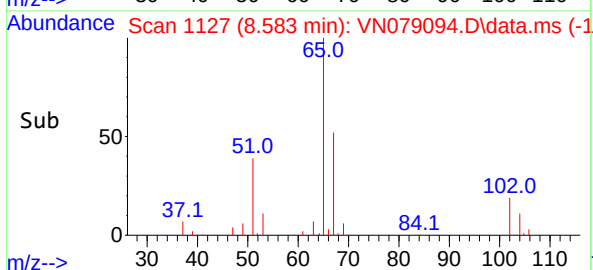
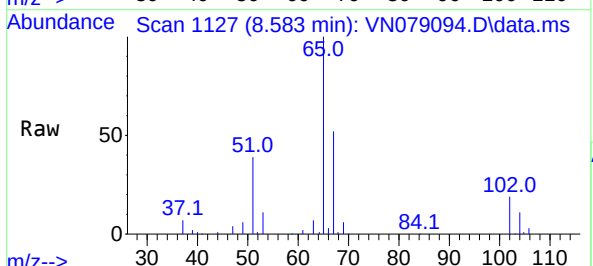
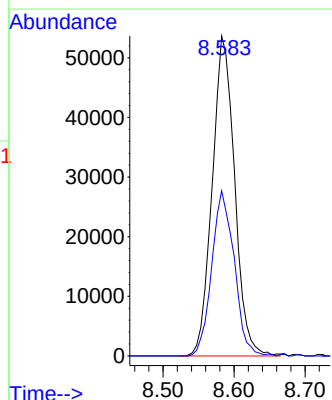
Acq: 29 Aug 2023 15:17

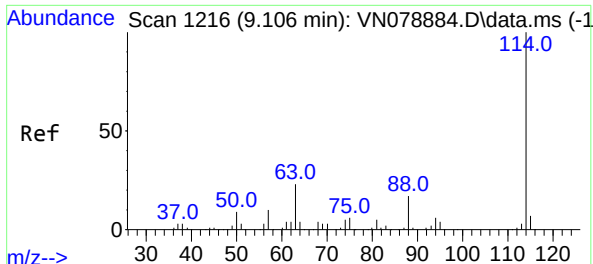
Tgt Ion: 65 Resp: 117667

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.6

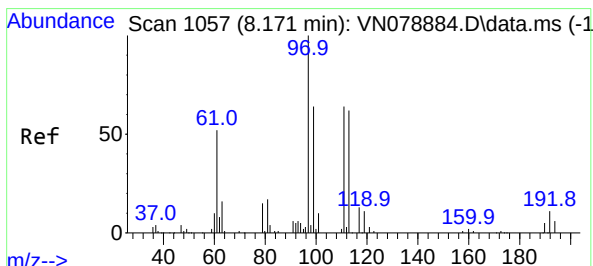
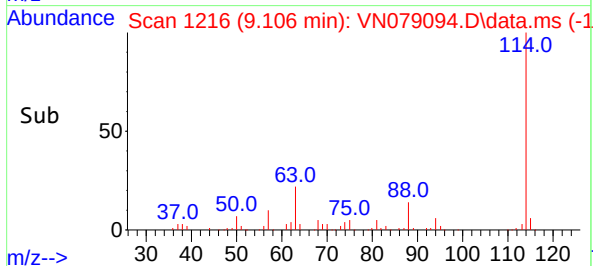
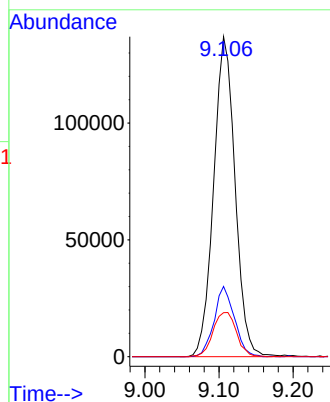
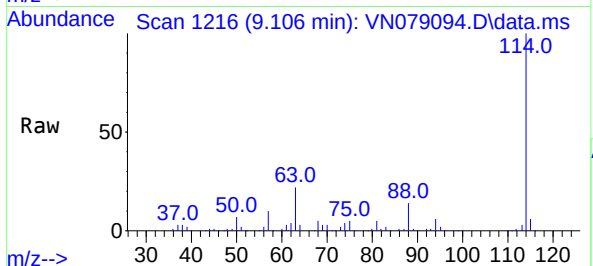




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

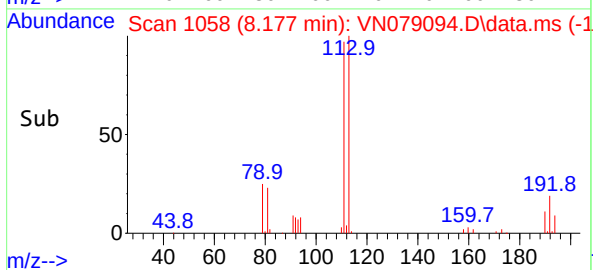
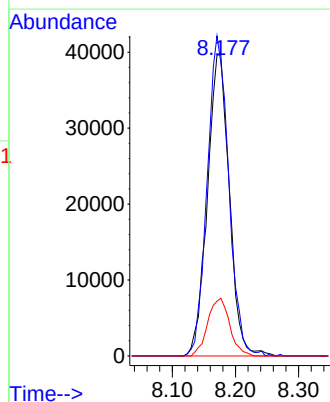
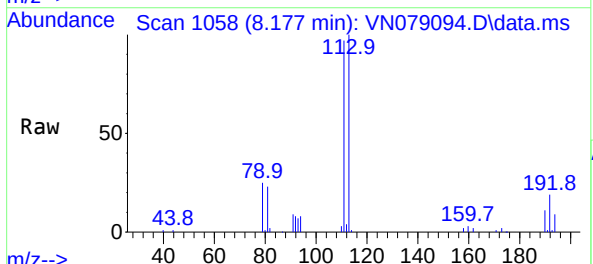
Instrument :
MSVOA_N
ClientSampleId :

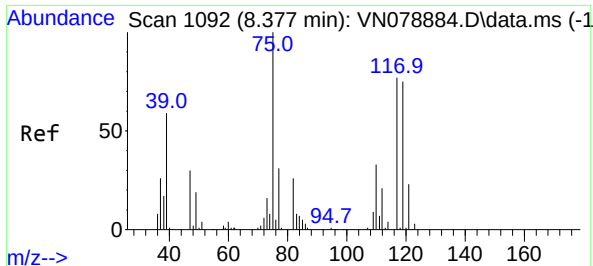
Tgt Ion:114 Resp: 274788
Ion Ratio Lower Upper
114 100
63 22.0 0.0 36.4
88 13.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.950 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

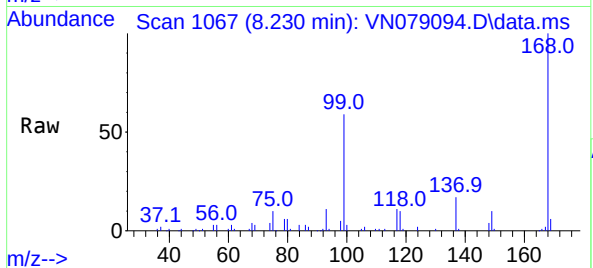
Tgt Ion:113 Resp: 96094
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 19.1 12.7 19.1#



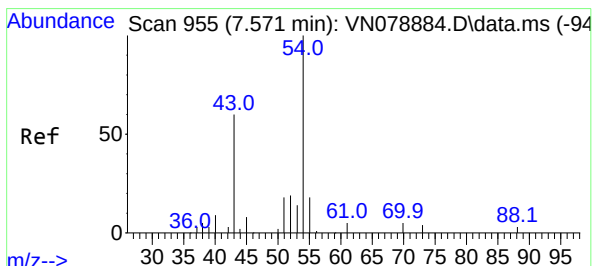
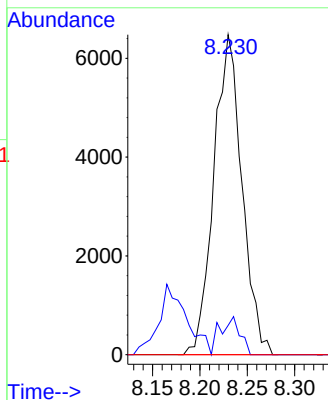
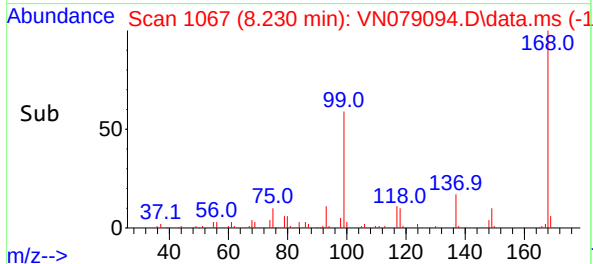


#36
1,1-Dichloropropene
Concen: 4.819 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :

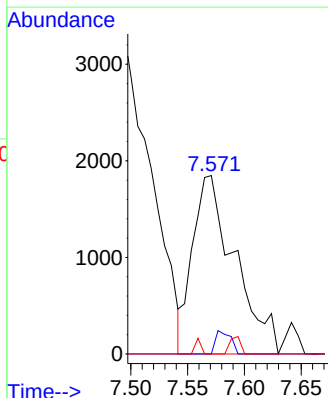
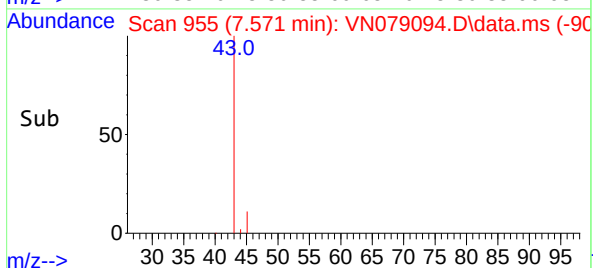
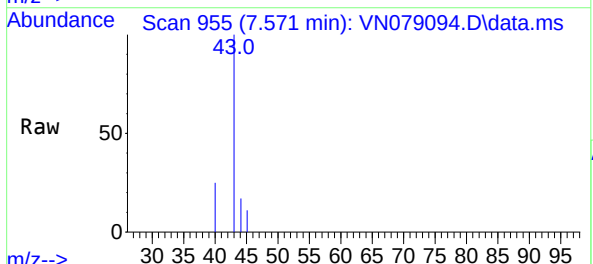


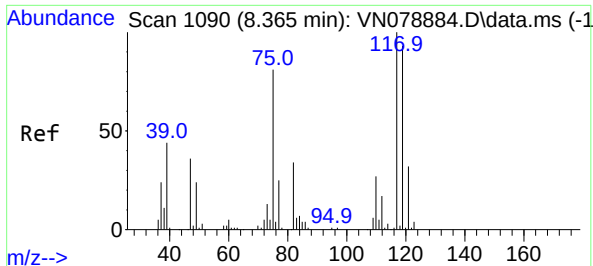
Tgt Ion: 75 Resp: 13408
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.530 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.000 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

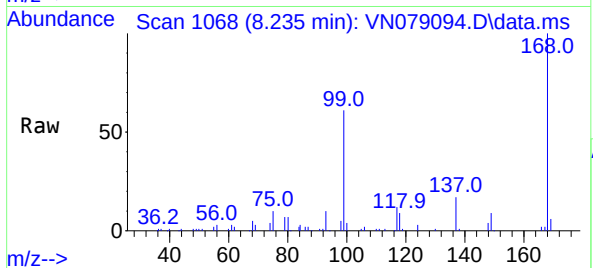
Tgt Ion: 43 Resp: 4762
Ion Ratio Lower Upper
43 100
61 4.6 13.2 19.8#
70 1.2 11.3 16.9#



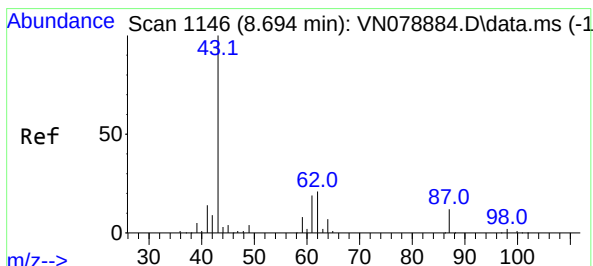
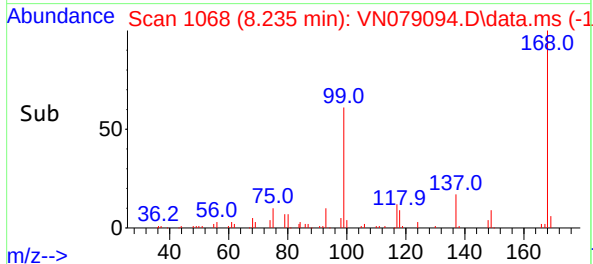
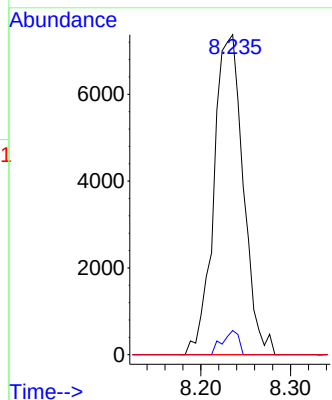


#38
Carbon Tetrachloride
Concen: 6.013 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :

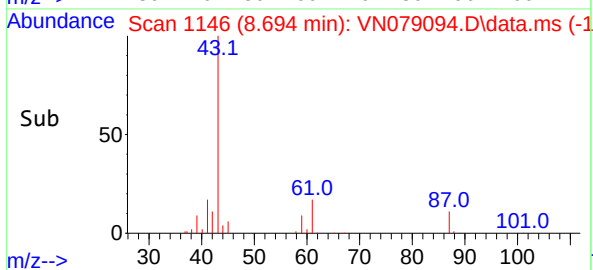
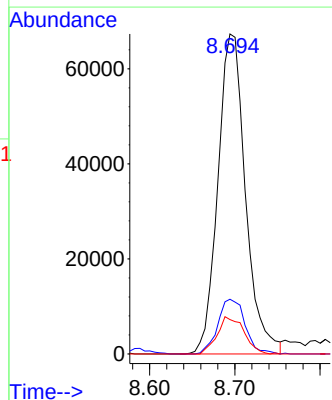
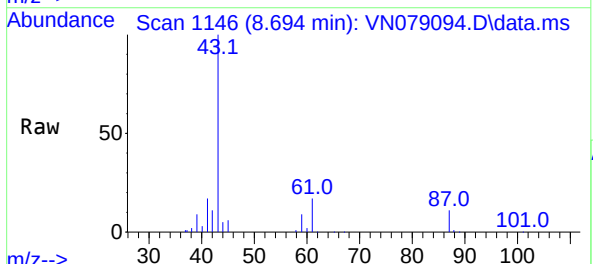


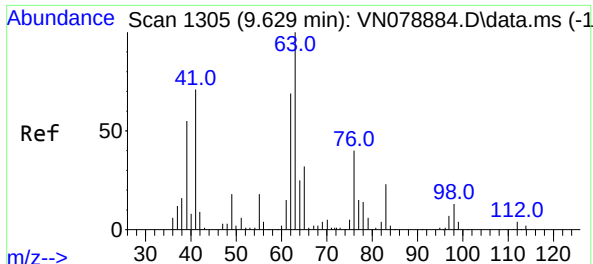
Tgt Ion:117 Resp: 16764
Ion Ratio Lower Upper
117 100
119 7.5 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 27.597 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

Tgt Ion: 43 Resp: 151854
Ion Ratio Lower Upper
43 100
61 16.9 24.7 37.1#
87 11.3 14.6 21.8#

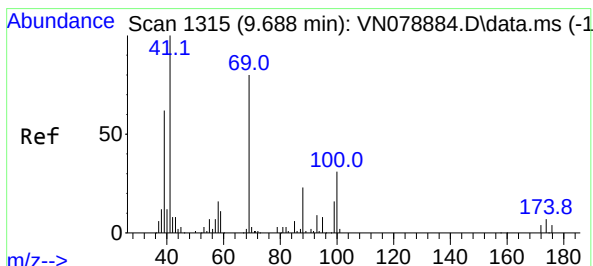
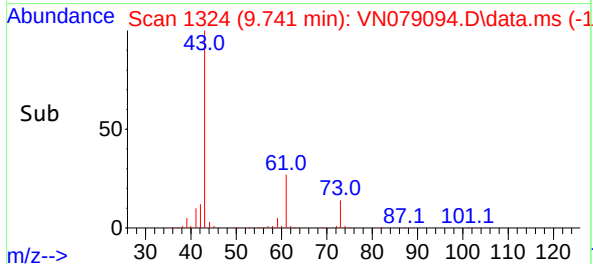
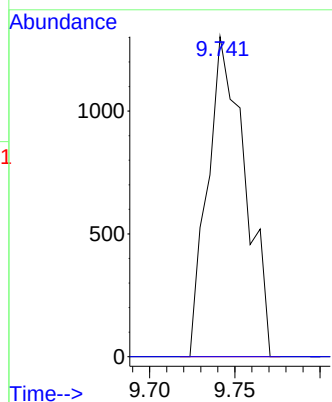
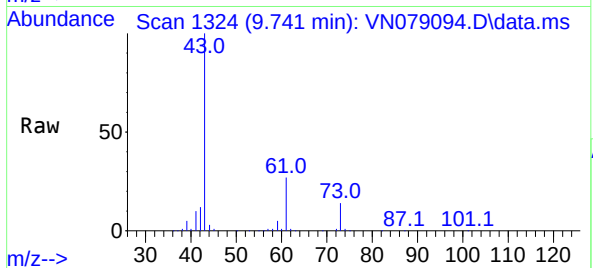




#45
1,2-Dichloropropane
Concen: 0.904 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

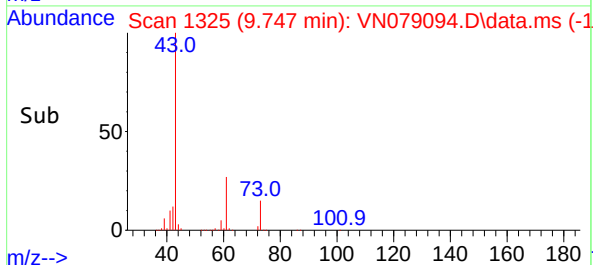
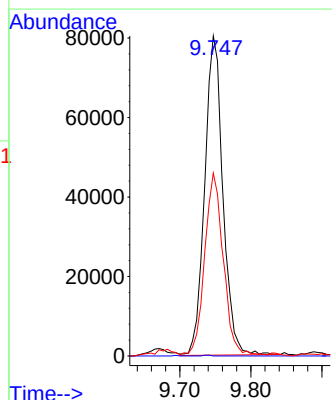
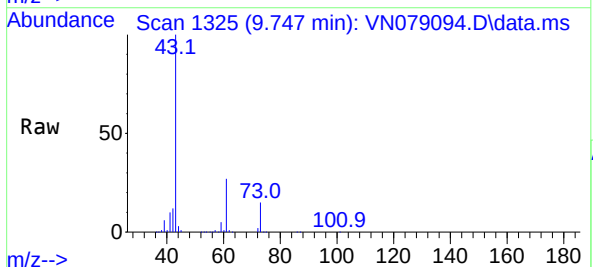
Instrument :
MSVOA_N
ClientSampleId :

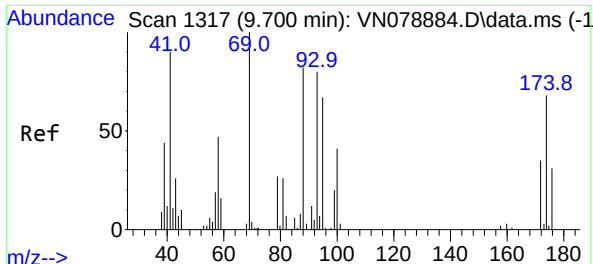
Tgt Ion: 63 Resp: 1979
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 57.407 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

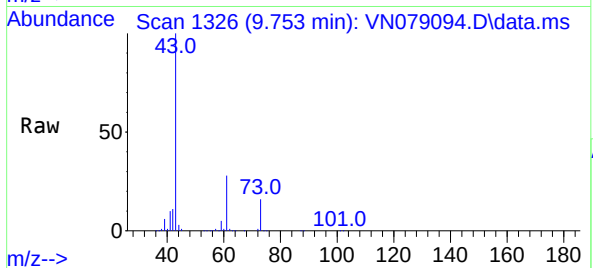
Tgt Ion: 41 Resp: 143142
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 58.2 54.6 81.8



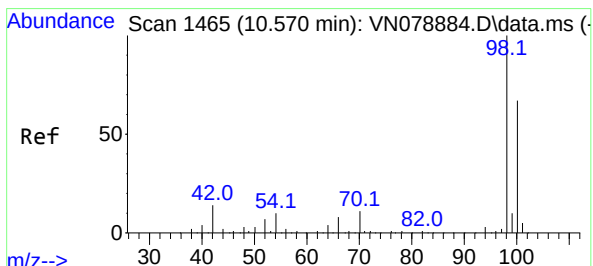
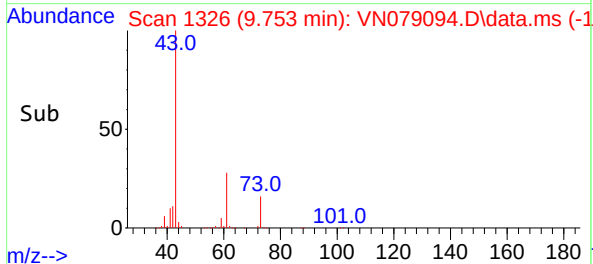
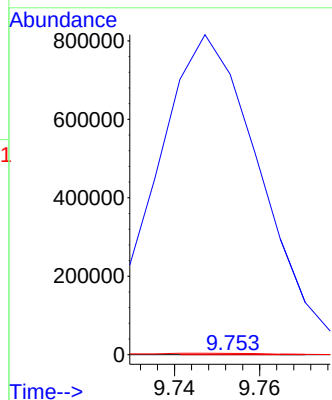


#49
1,4-Dioxane
Concen: 1.389 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :

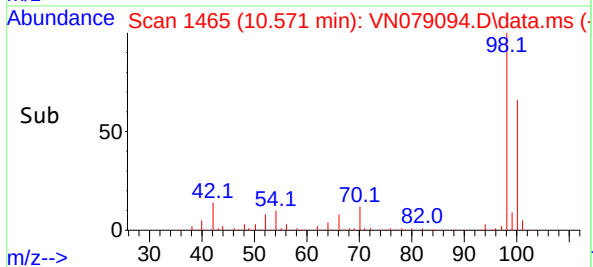
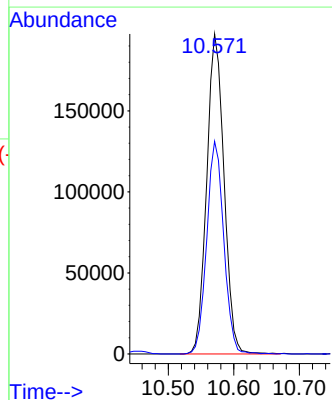
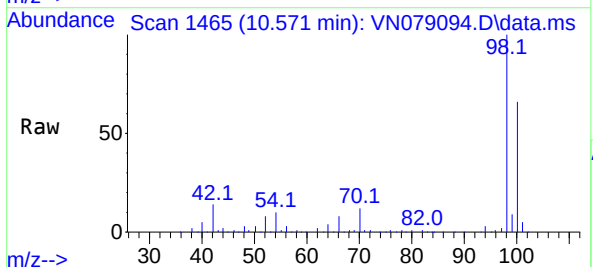


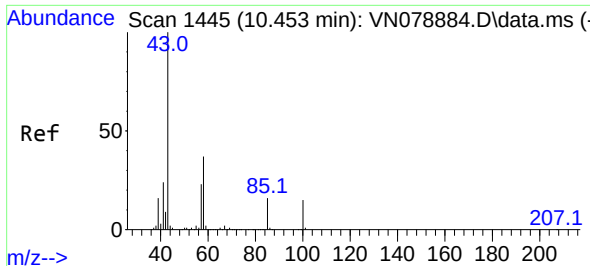
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 2454640.7 17.0 25.6#
58 12693.2 47.0 70.4#



#50
Toluene-d8
Concen: 52.894 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

Tgt Ion: 98 Resp: 363288
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

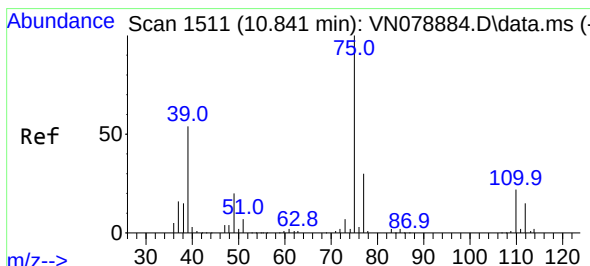
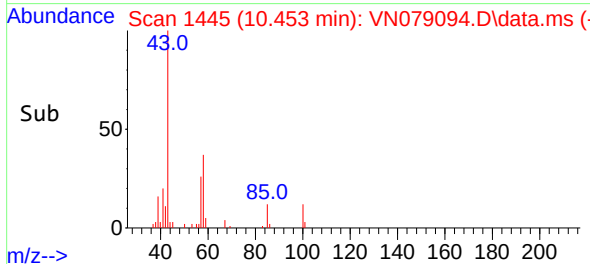
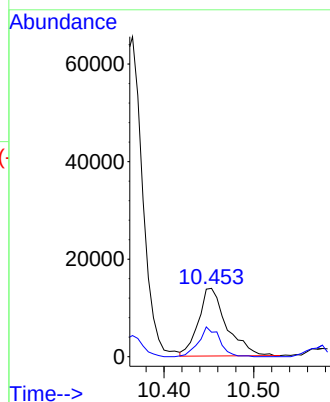
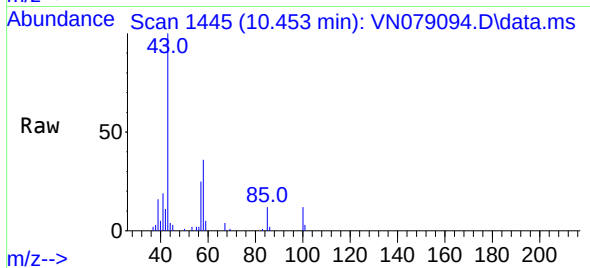




#51
4-Methyl-2-Pentanone
Concen: 9.270 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

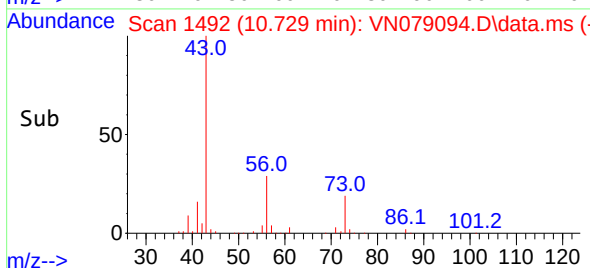
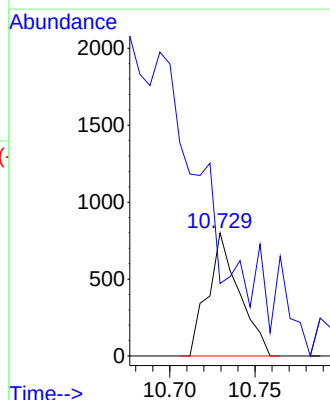
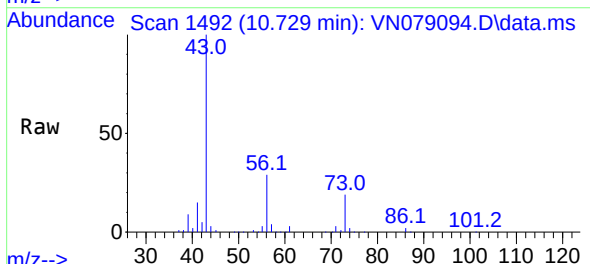
Instrument :
MSVOA_N
ClientSampleId :

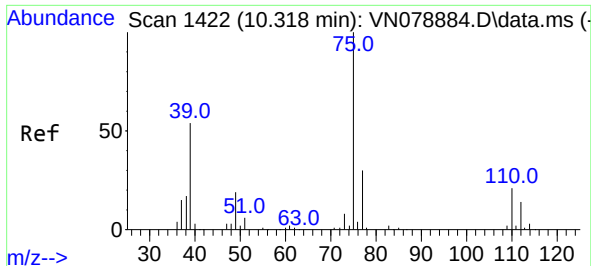
Tgt Ion: 43 Resp: 30253
Ion Ratio Lower Upper
43 100
58 33.1 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.320 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

Tgt Ion: 75 Resp: 1018
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

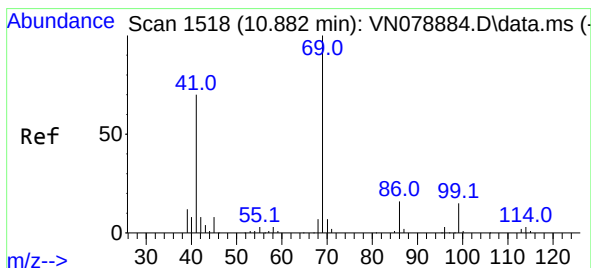
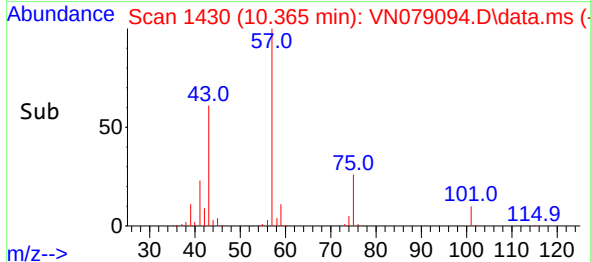
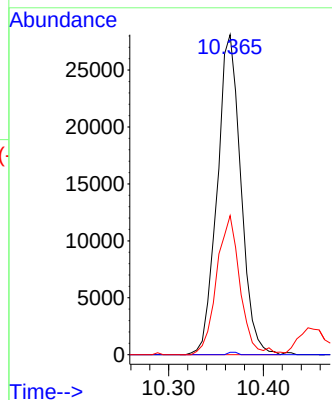
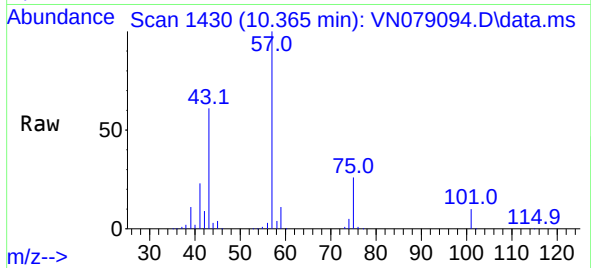




#54
cis-1,3-Dichloropropene
Concen: 14.081 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

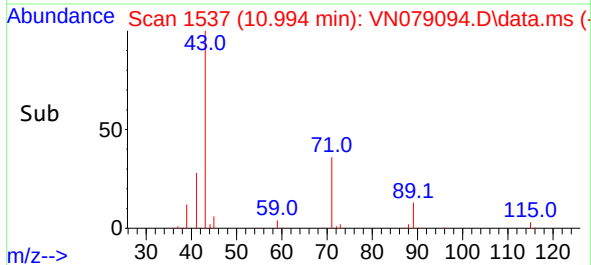
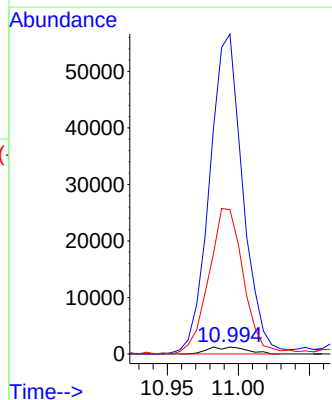
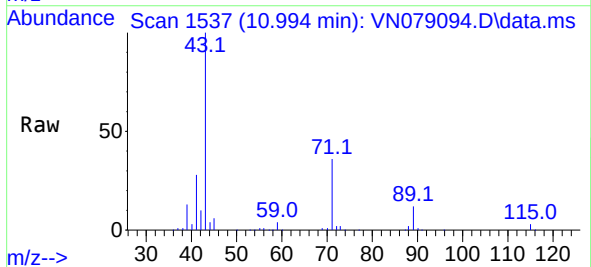
Instrument :
MSVOA_N
ClientSampleId :

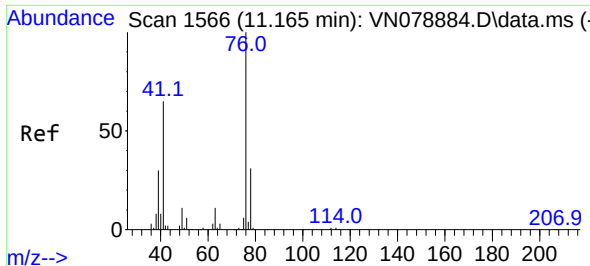
Tgt Ion: 75 Resp: 48773
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 43.5 31.6 47.4



#56
Ethyl methacrylate
Concen: 0.735 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

Tgt Ion: 69 Resp: 2307
Ion Ratio Lower Upper
69 100
41 3998.9 39.6 59.4#
39 1903.5 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.849 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

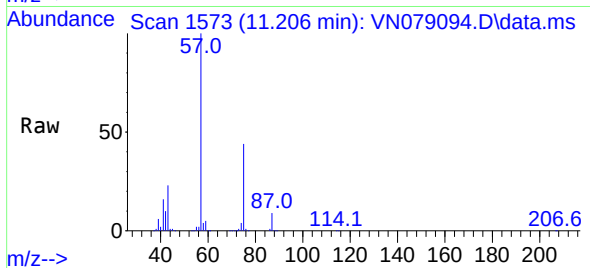
Lab File: VN079094.D

Acq: 29 Aug 2023 15:17

Instrument :

MSVOA_N

ClientSampleId :

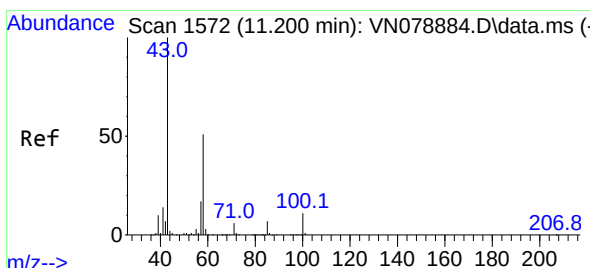
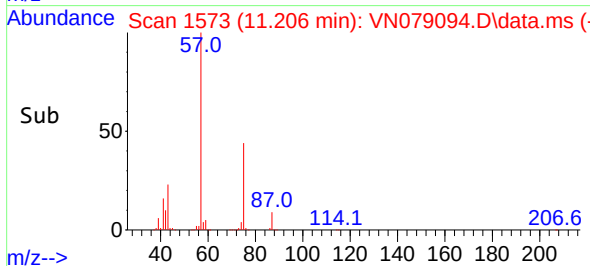
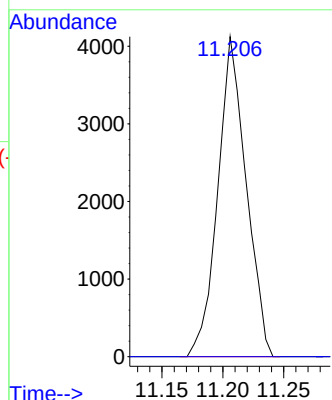


Tgt Ion: 76 Resp: 6695

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 39.350 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079094.D

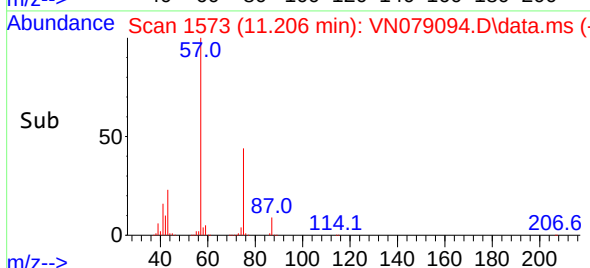
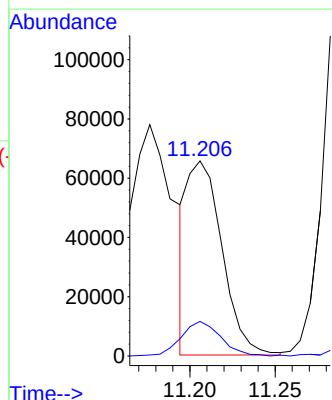
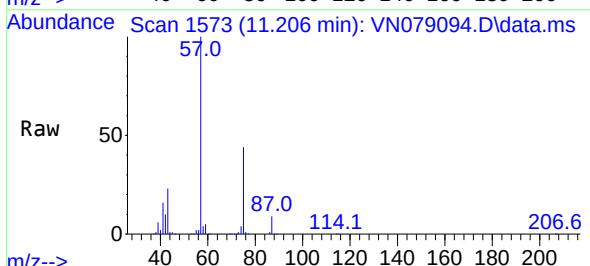
Acq: 29 Aug 2023 15:17

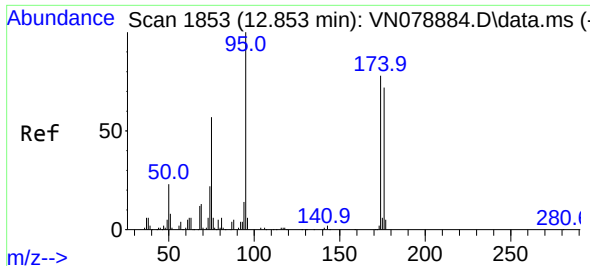
Tgt Ion: 43 Resp: 93015

Ion Ratio Lower Upper

43 100

58 20.3 31.7 95.1#

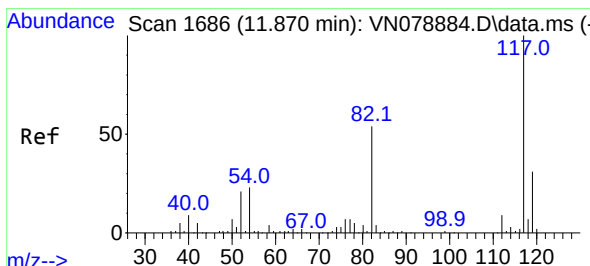
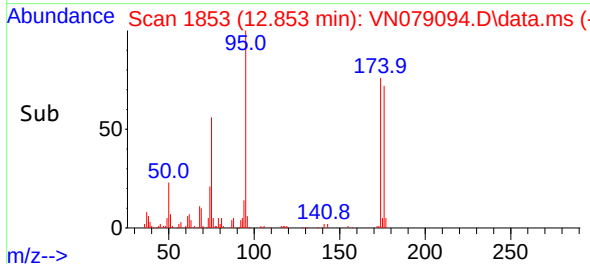
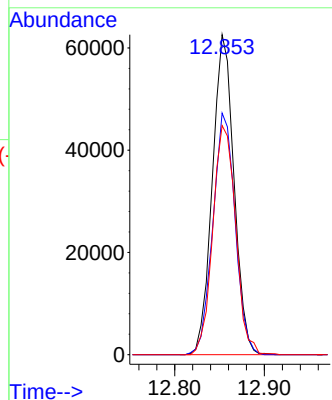
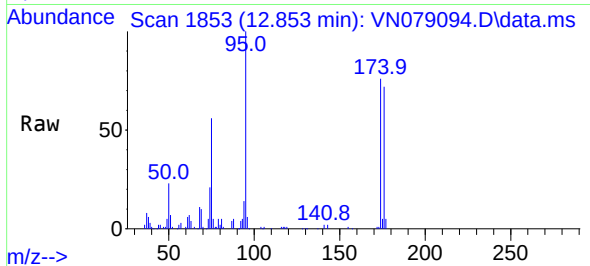




#62
4-Bromofluorobenzene
Concen: 46.650 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

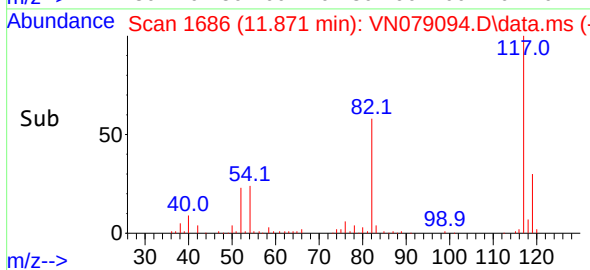
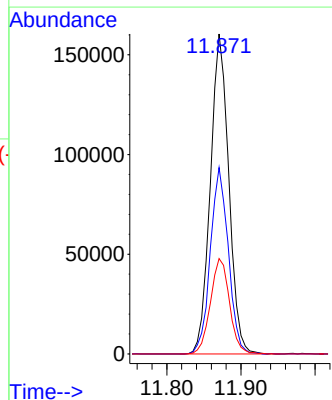
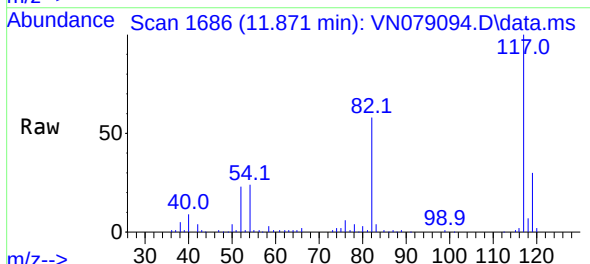
Instrument :
MSVOA_N
ClientSampleId :

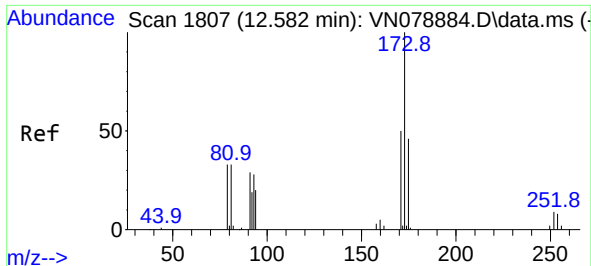
Tgt Ion: 95 Resp: 104726
Ion Ratio Lower Upper
95 100
174 77.7 0.0 143.8
176 75.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

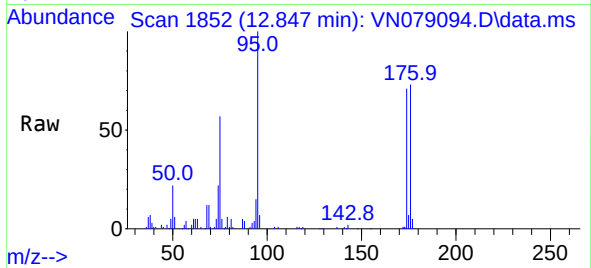
Tgt Ion: 117 Resp: 276793
Ion Ratio Lower Upper
117 100
82 58.2 44.0 66.0
119 29.8 25.6 38.4



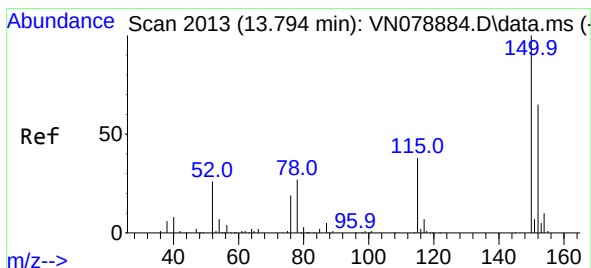
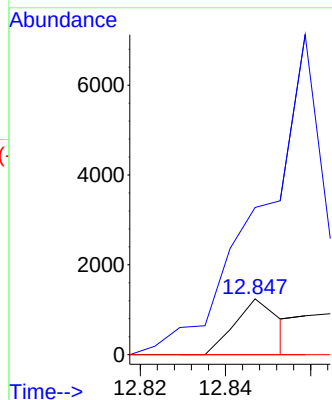
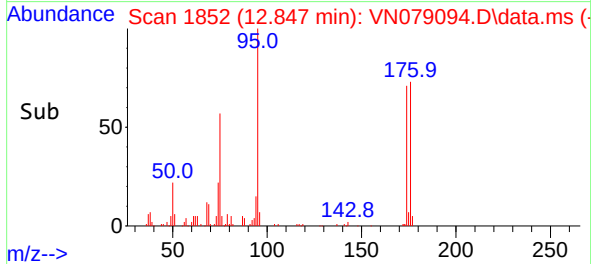


#71
Bromoform
Concen: 0.565 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :

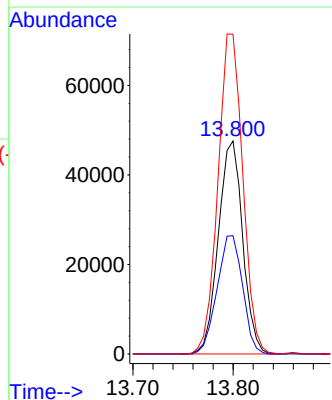
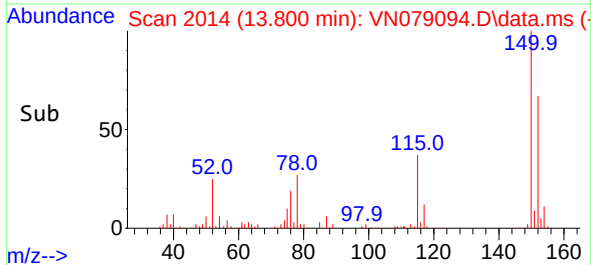
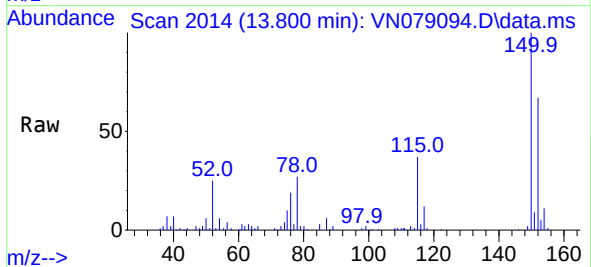


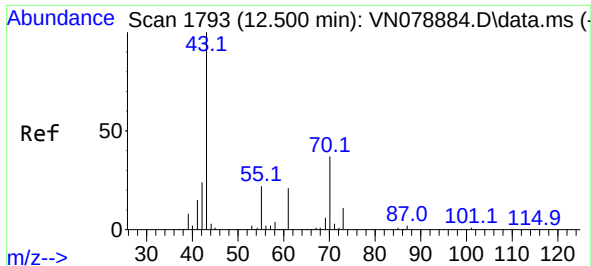
Tgt Ion:173 Resp: 915
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

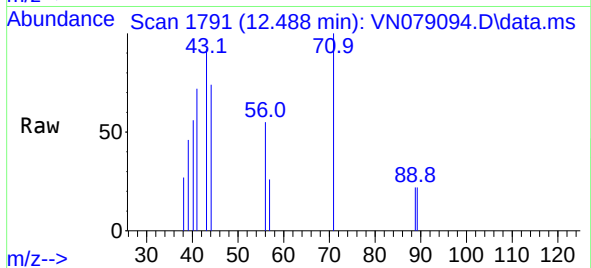
Tgt Ion:152 Resp: 80254
Ion Ratio Lower Upper
152 100
115 58.0 32.3 96.8
150 153.3 0.0 355.8





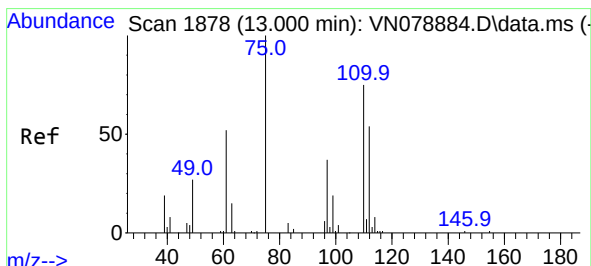
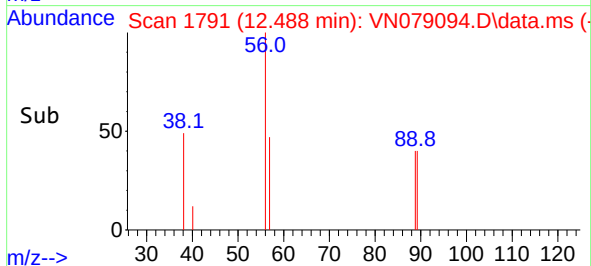
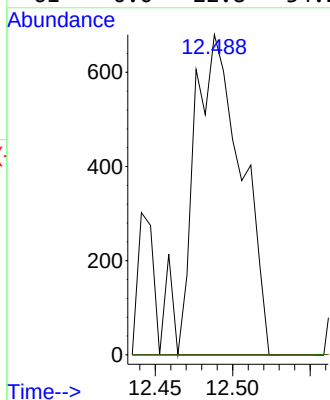
#74
N-amy1 acetate
Concen: 0.417 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 1407

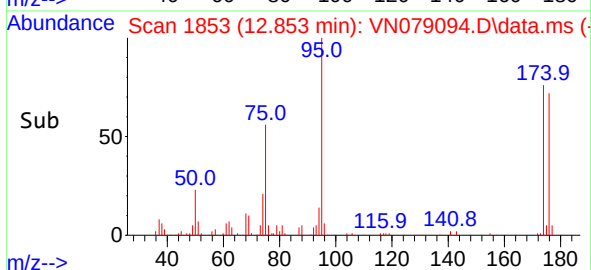
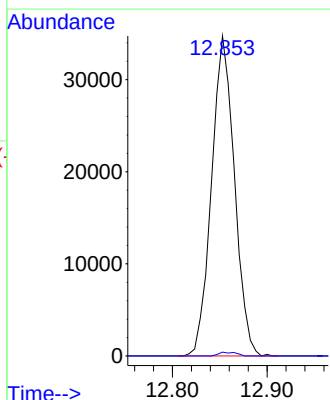
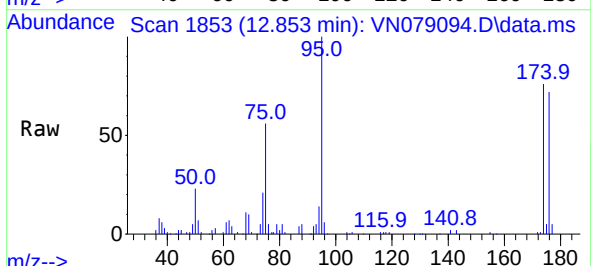
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	0.0	21.4	32.0#
61	0.0	22.8	34.2#

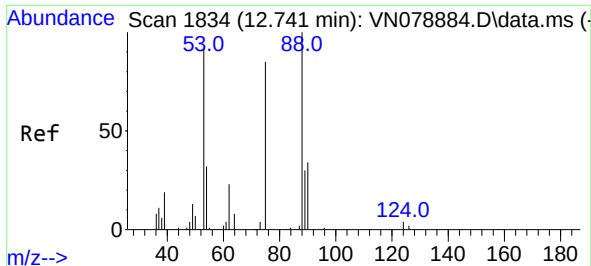


#76
1,2,3-Trichloropropane
Concen: 30.225 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

Tgt Ion: 75 Resp: 58448

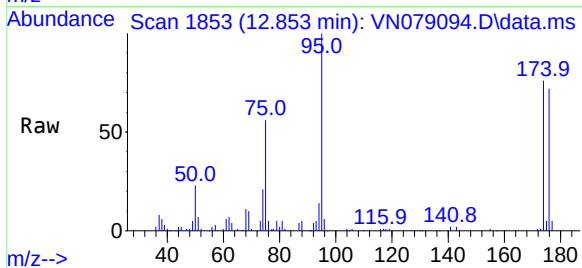
Ion	Ratio	Lower	Upper
75	100		
77	0.9	84.5	253.5#



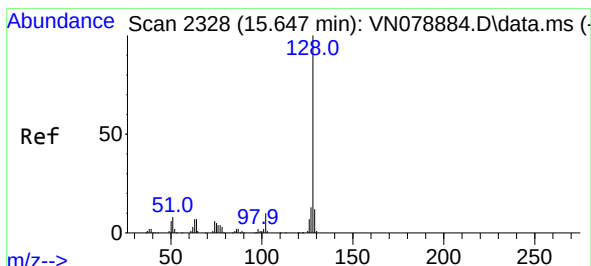
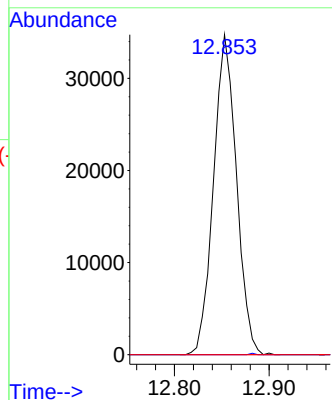
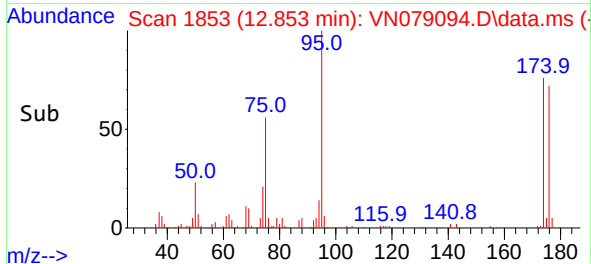


#81
trans-1,4-Dichloro-2-butene
Concen: 77.213 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17

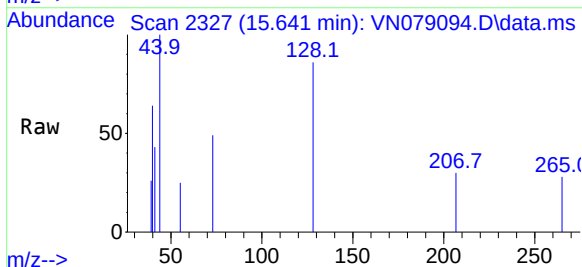
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 58448
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.770 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN079094.D
Acq: 29 Aug 2023 15:17



Tgt Ion: 128 Resp: 764
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

