

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092123\
 Data File : VN079322.D
 Acq On : 21 Sep 2023 13:46
 Operator : JC\MD
 Sample : 04501-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 22 02:30:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

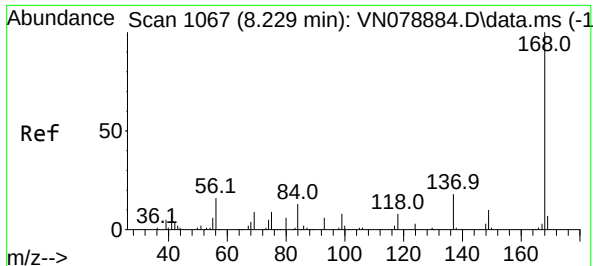
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	151682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	295862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	269587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	72643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	126812	61.933	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 123.860%	
35) Dibromofluoromethane	8.171	113	98450	50.025	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.040%	
50) Toluene-d8	10.571	98	356683	49.359	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.720%	
62) 4-Bromofluorobenzene	12.853	95	110311	47.857	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.720%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.954	94	251	0.203	ug/l #	76
6) Chloroethane	3.077	64	303	Below Cal	#	43
11) Tert butyl alcohol	5.495	59	867	2.294	ug/l #	72
16) Acetone	4.448	43	23867	27.446	ug/l	91
18) Methyl Acetate	5.048	43	2540	0.711	ug/l #	56
20) Methylene Chloride	5.283	84	16018	7.569	ug/l #	87
25) 2-Butanone	7.500	43	12651	10.027	ug/l #	76
31) Cyclohexane	8.230	56	4236	1.417	ug/l #	53
36) 1,1-Dichloropropene	8.224	75	14622	4.820	ug/l #	46
37) Ethyl Acetate	7.565	43	3479	1.150	ug/l #	65
38) Carbon Tetrachloride	8.230	117	17029	5.425	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	973	0.304	ug/l #	73
43) Isopropyl Acetate	8.694	43	142405	28.845	ug/l #	76
45) 1,2-Dichloropropane	9.747	63	1214	0.527	ug/l #	45
48) Methyl methacrylate	9.671	41	3433	1.552	ug/l #	33
51) 4-Methyl-2-Pentanone	10.447	43	29992	10.465	ug/l #	79
52) Toluene	10.635	92	1270	0.223	ug/l #	60
54) cis-1,3-Dichloropropene	10.365	75	41423	11.462	ug/l #	68
56) Ethyl methacrylate	10.988	69	2001	0.633	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5163	1.334	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.165	63	62	Below Cal	#	42
59) 2-Hexanone	11.177	43	116778	56.260	ug/l #	19
74) N-amyl acetate	12.471	43	1102	0.439	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	61702	31.516	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	61702	86.643	ug/l #	15

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

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Quant Title : SW846 8260
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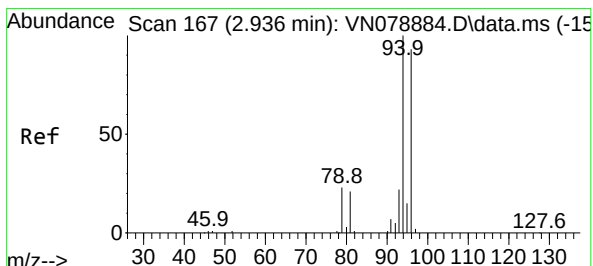
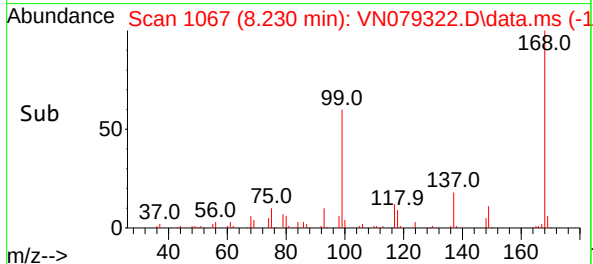
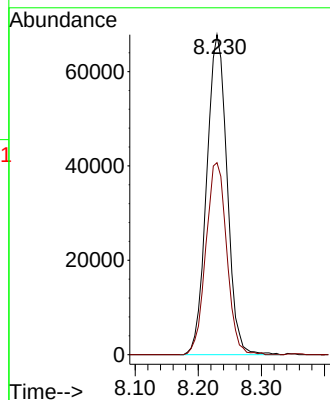
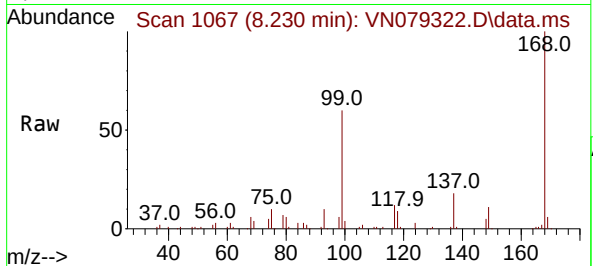




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

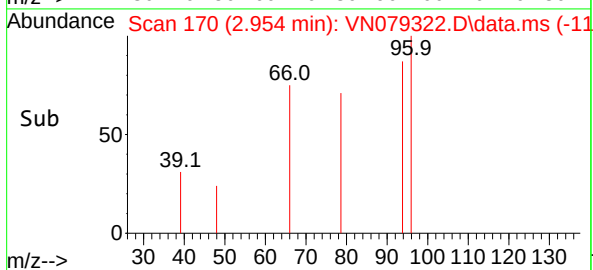
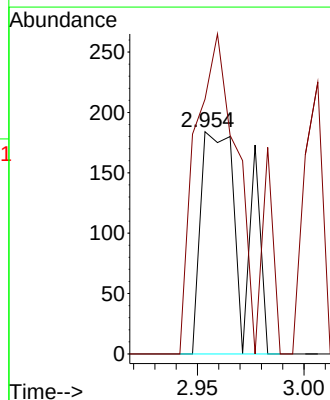
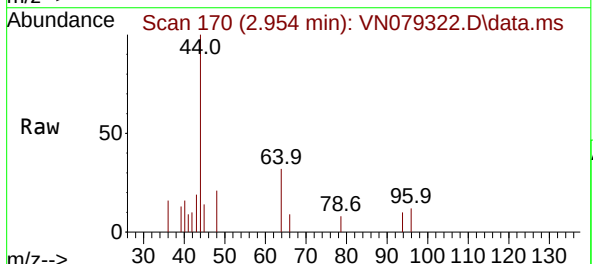
Instrument :
MSVOA_N
ClientSampleId :

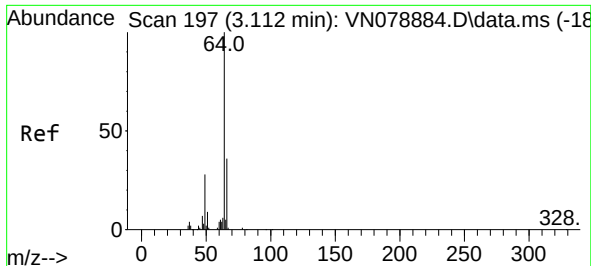
Tgt Ion:168 Resp: 151682
Ion Ratio Lower Upper
168 100
99 60.0 53.0 79.6



#5
Bromomethane
Concen: 0.203 ug/l
RT: 2.954 min Scan# 170
Delta R.T. 0.006 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 114.7 73.1 109.7#

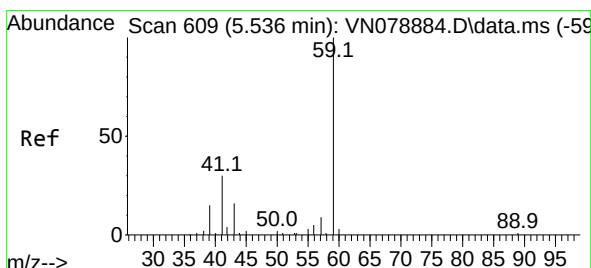
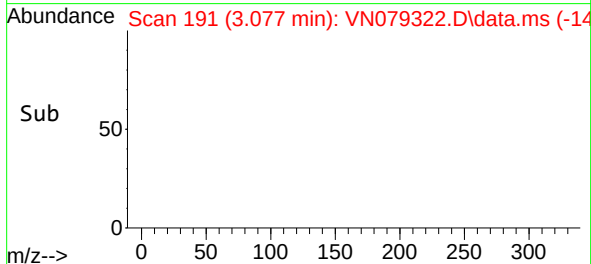
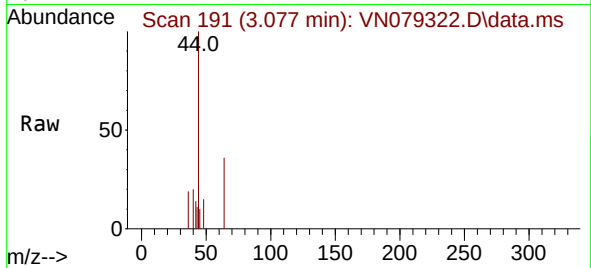




#6
Chloroethane
Concen: Below Cal
RT: 3.077 min Scan# 197
Delta R.T. -0.041 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

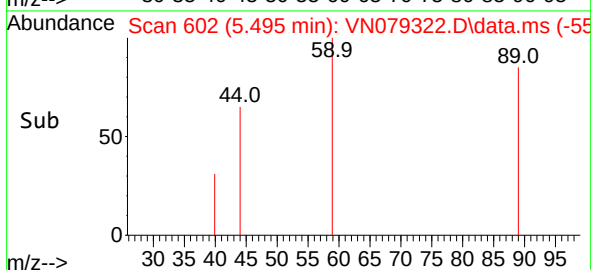
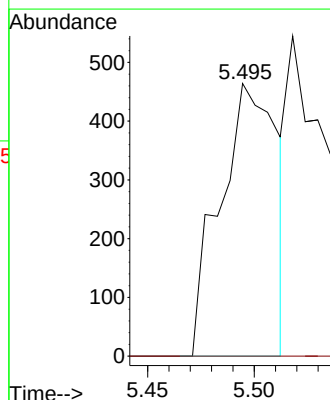
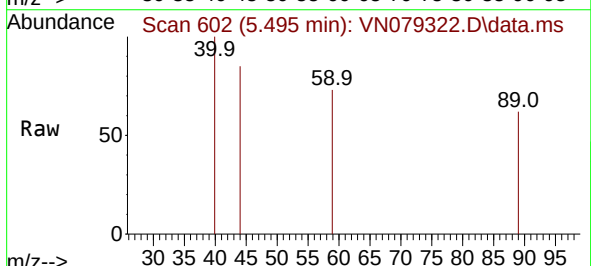
Instrument :
MSVOA_N
ClientSampleId :

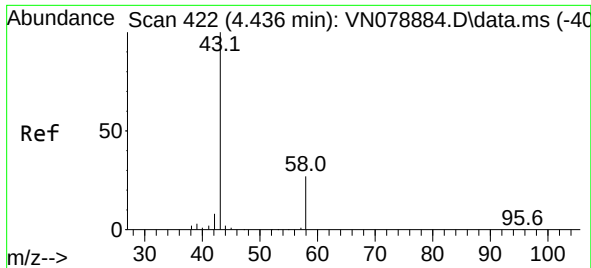
Tgt Ion: 64 Resp: 303
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 2.294 ug/l
RT: 5.495 min Scan# 602
Delta R.T. -0.047 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

Tgt Ion: 59 Resp: 867
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 27.446 ug/l

RT: 4.448 min Scan# 431

Delta R.T. 0.006 min

Lab File: VN079322.D

Acq: 21 Sep 2023 13:46

Instrument :

MSVOA_N

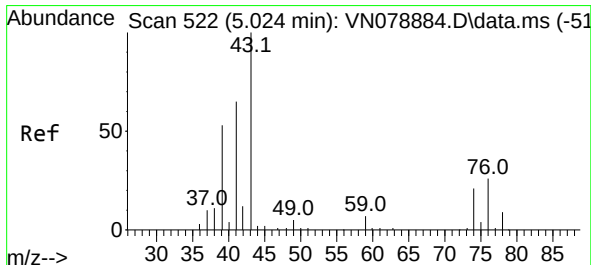
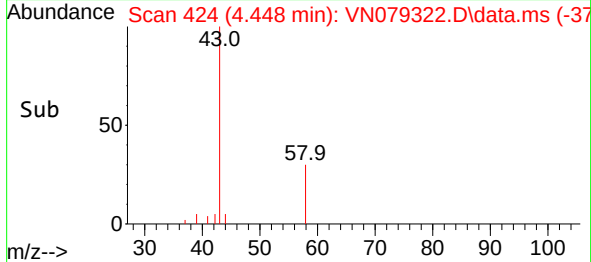
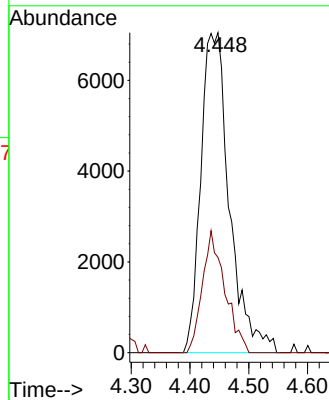
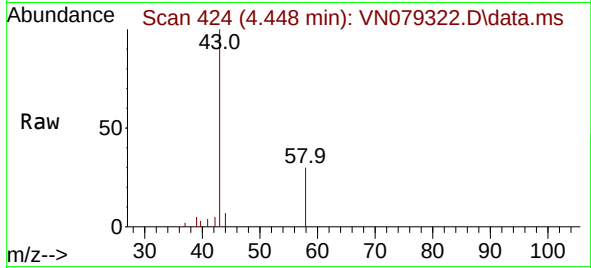
ClientSampleId :

Tgt Ion: 43 Resp: 23867

Ion Ratio Lower Upper

43 100

58 29.7 28.0 42.0



#18

Methyl Acetate

Concen: 0.711 ug/l

RT: 5.048 min Scan# 526

Delta R.T. 0.006 min

Lab File: VN079322.D

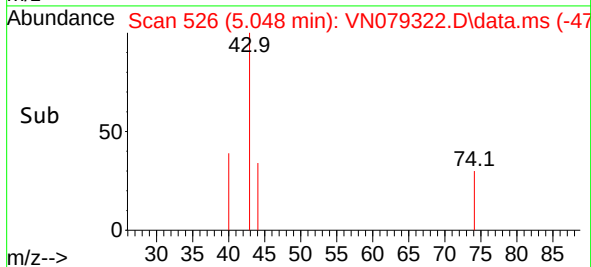
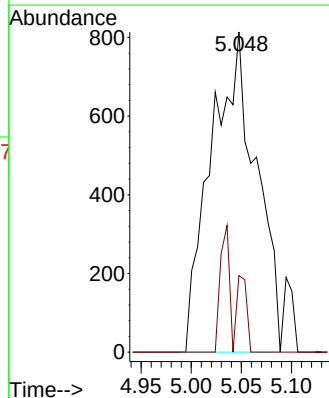
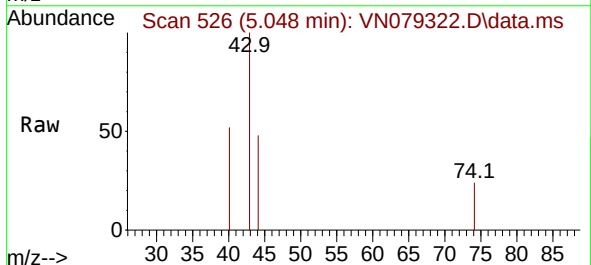
Acq: 21 Sep 2023 13:46

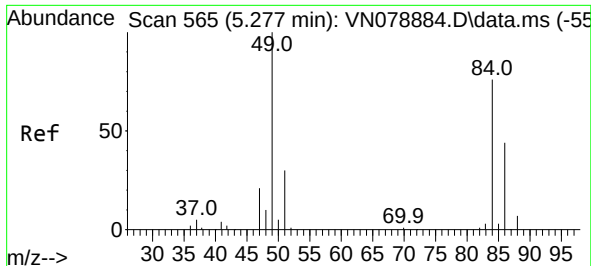
Tgt Ion: 43 Resp: 2540

Ion Ratio Lower Upper

43 100

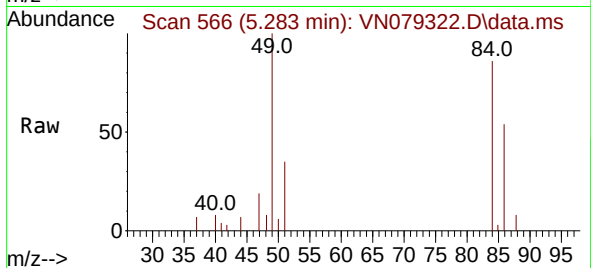
74 8.0 26.2 39.4#



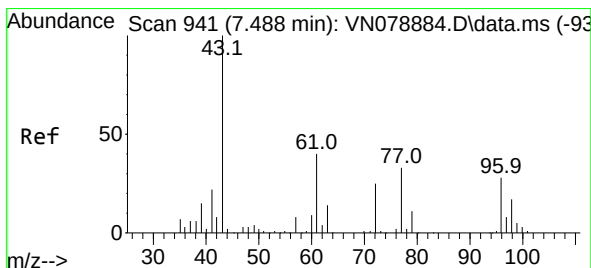
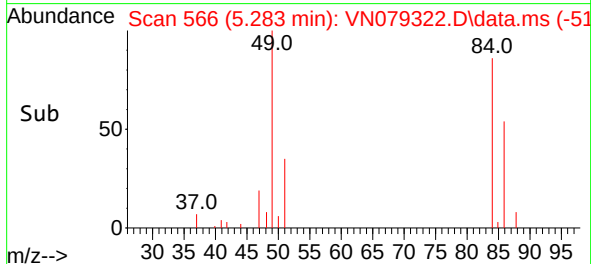
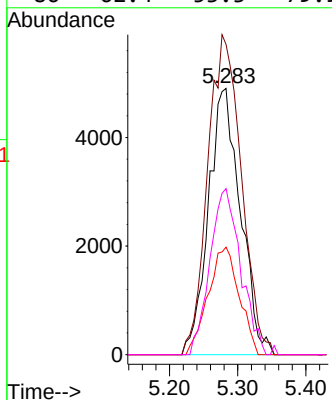


#20
Methylene Chloride
Concen: 7.569 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

Instrument :
MSVOA_N
ClientSampleId :

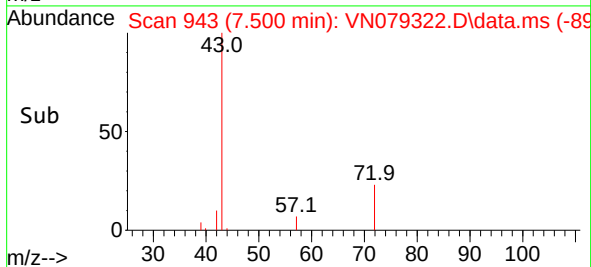
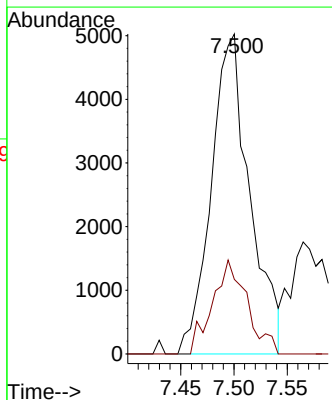
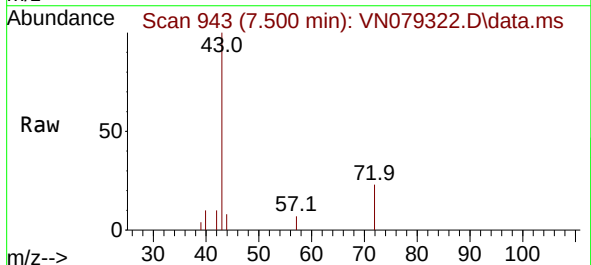


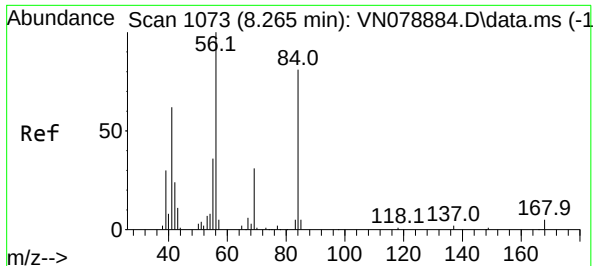
Tgt Ion:	84	Resp:	16018
Ion	Ratio	Lower	Upper
84	100		
49	116.5	79.7	119.5
51	40.4	25.2	37.8#
86	62.4	53.3	79.9



#25
2-Butanone
Concen: 10.027 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

Tgt Ion:	43	Resp:	12651
Ion	Ratio	Lower	Upper
43	100		
72	23.3	30.2	45.2#





#31

Cyclohexane

Concen: 1.417 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

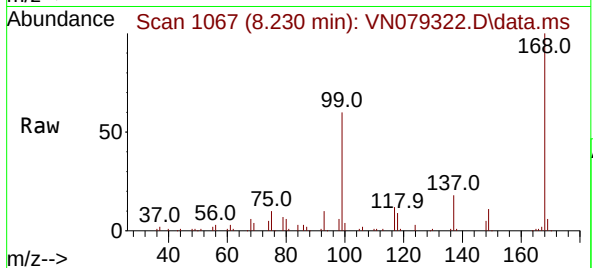
Lab File: VN079322.D

Acq: 21 Sep 2023 13:46

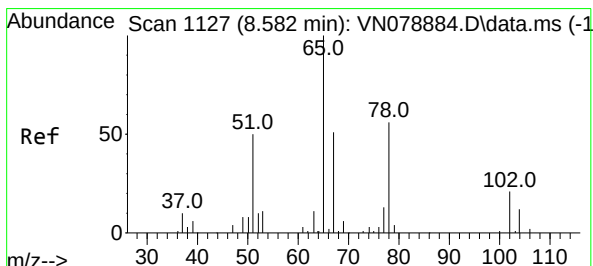
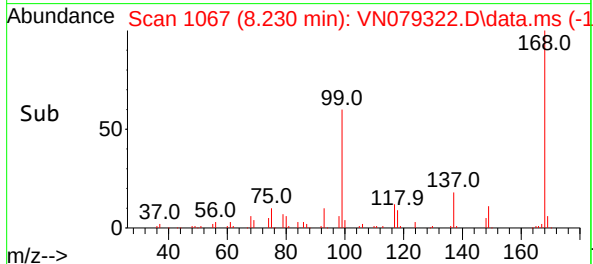
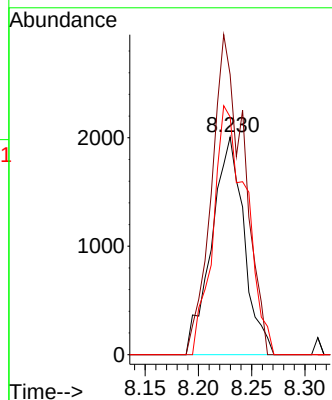
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 4236
Ion Ratio	Lower Upper
56	100
69	128.8 26.8 40.2#
84	109.3 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 61.933 ug/l

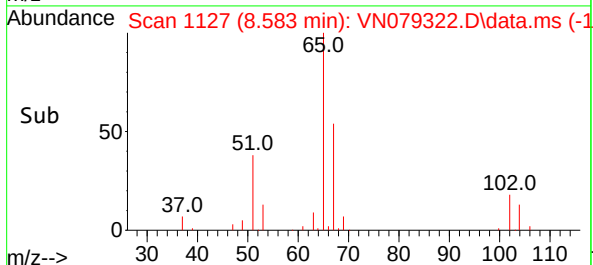
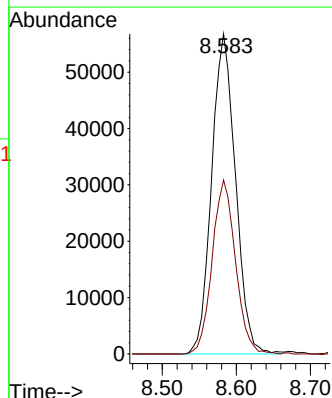
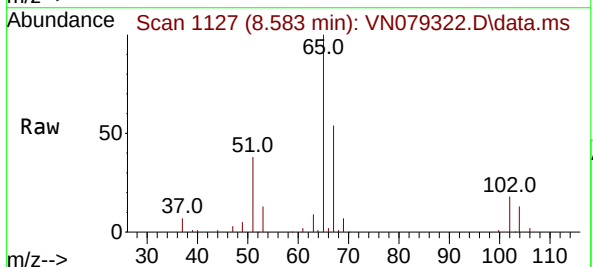
RT: 8.583 min Scan# 1127

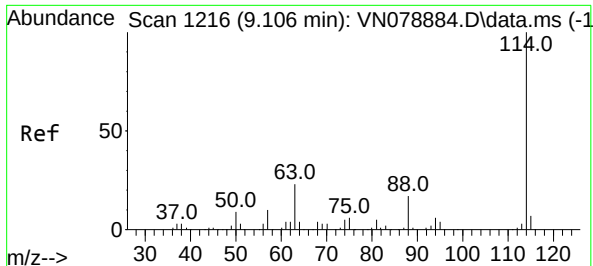
Delta R.T. -0.000 min

Lab File: VN079322.D

Acq: 21 Sep 2023 13:46

Tgt Ion: 65	Resp: 126812
Ion Ratio	Lower Upper
65	100
67	53.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079322.D

Acq: 21 Sep 2023 13:46

Instrument :

MSVOA_N

ClientSampleId :

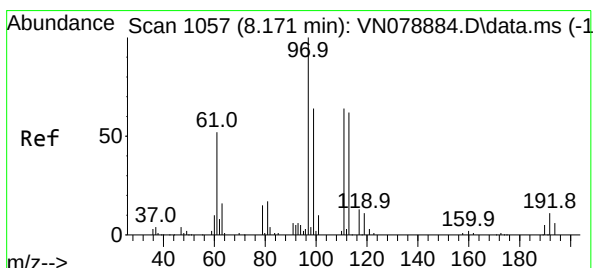
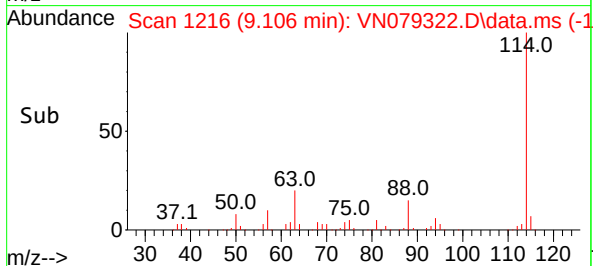
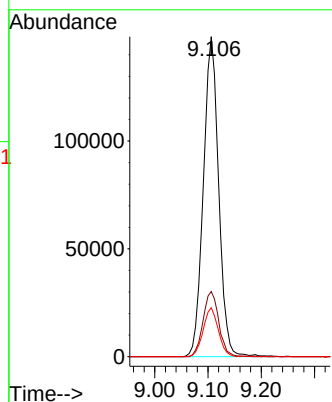
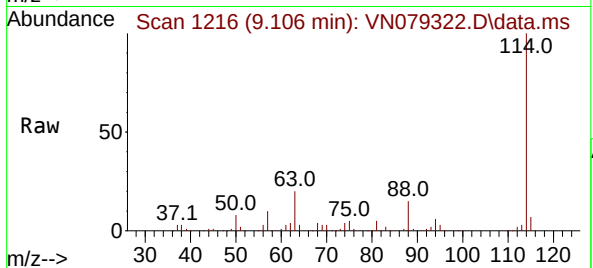
Tgt Ion:114 Resp: 295862

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.025 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079322.D

Acq: 21 Sep 2023 13:46

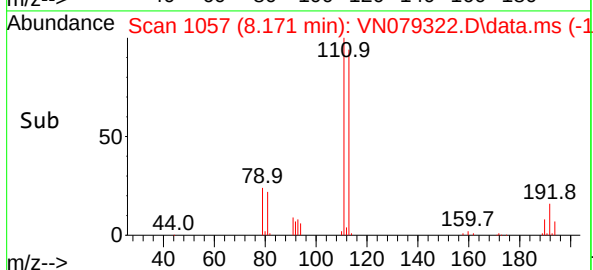
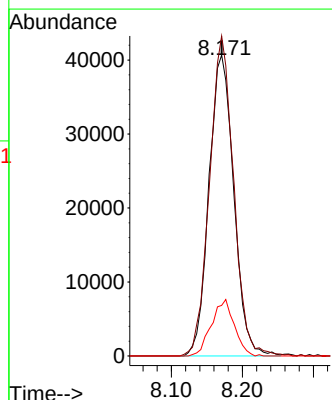
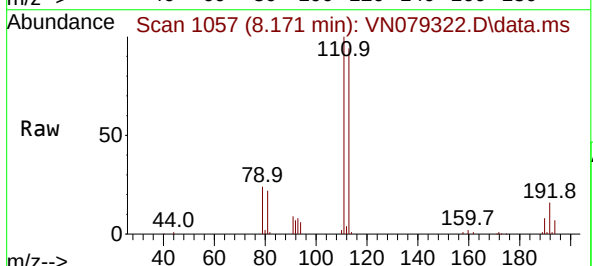
Tgt Ion:113 Resp: 98450

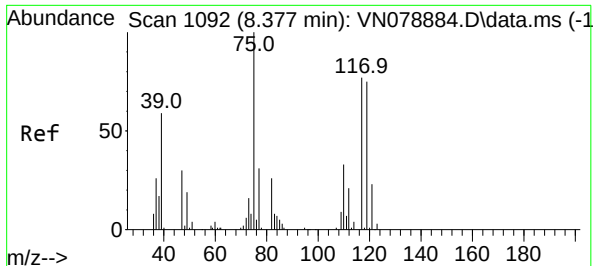
Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

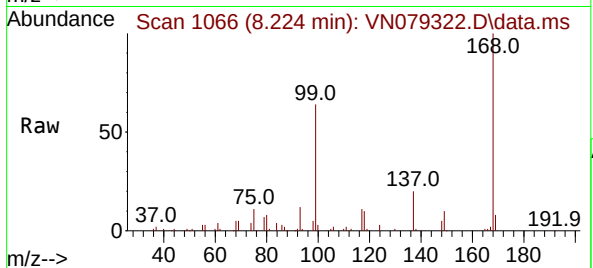
192 17.4 12.7 19.1



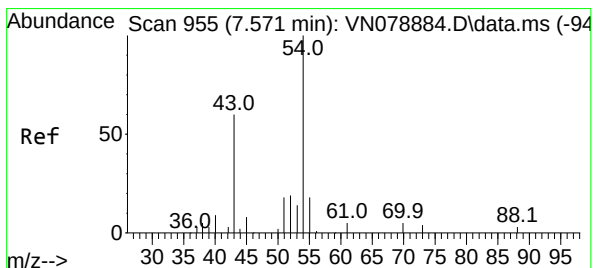
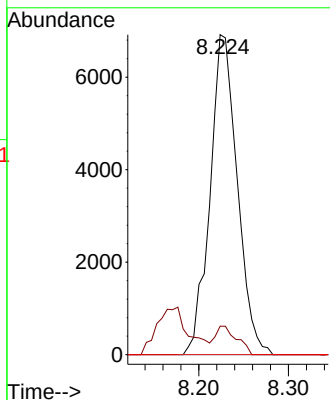
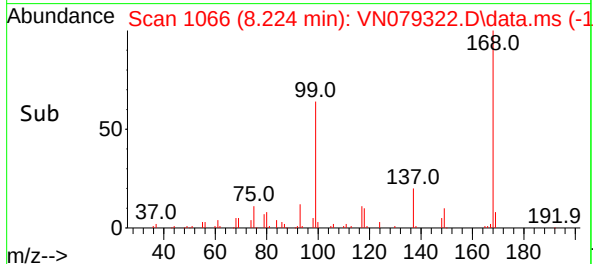


#36
1,1-Dichloropropene
Concen: 4.820 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

Instrument :
MSVOA_N
ClientSampleId :

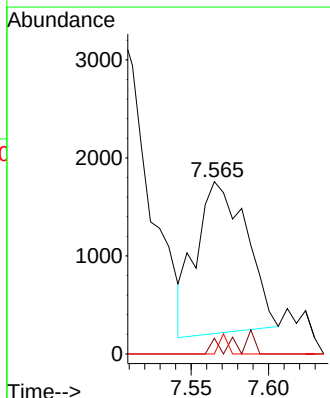
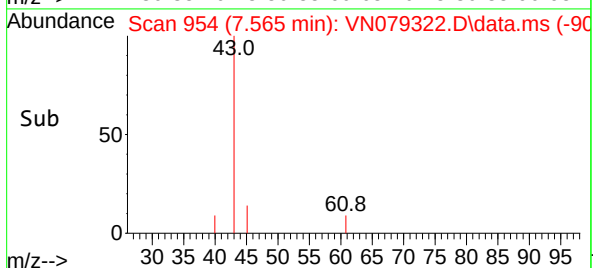
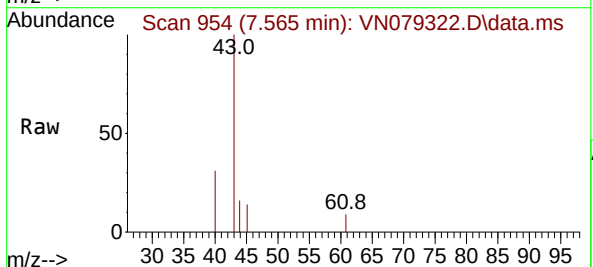


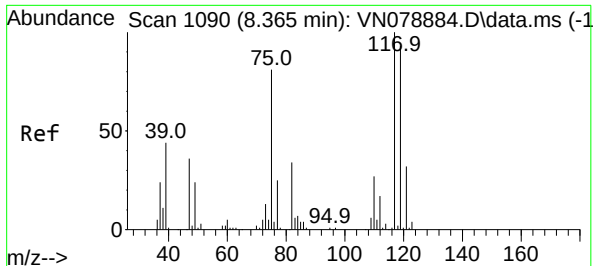
Tgt Ion: 75 Resp: 14622
Ion Ratio Lower Upper
75 100
110 7.0 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.150 ug/l
RT: 7.565 min Scan# 954
Delta R.T. -0.006 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

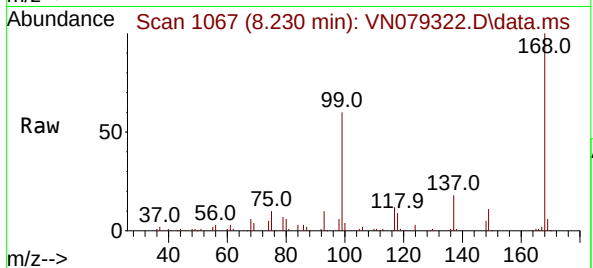
Tgt Ion: 43 Resp: 3479
Ion Ratio Lower Upper
43 100
61 1.6 13.2 19.8#
70 0.0 11.3 16.9#



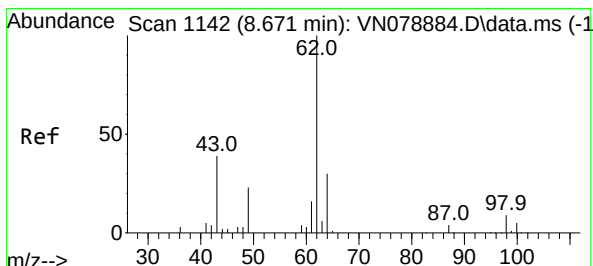
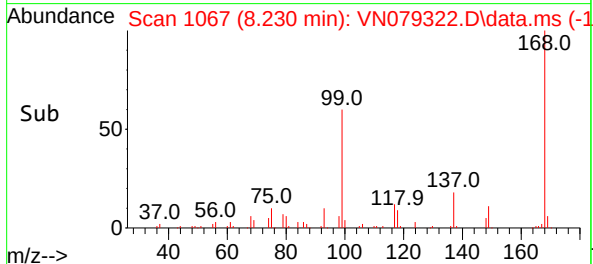
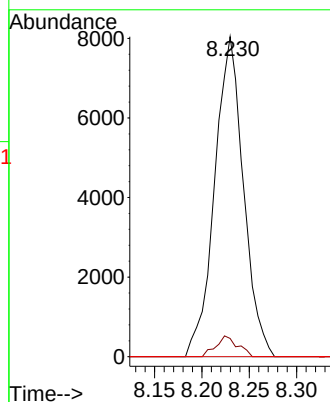


#38
Carbon Tetrachloride
Concen: 5.425 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

Instrument :
MSVOA_N
ClientSampleId :

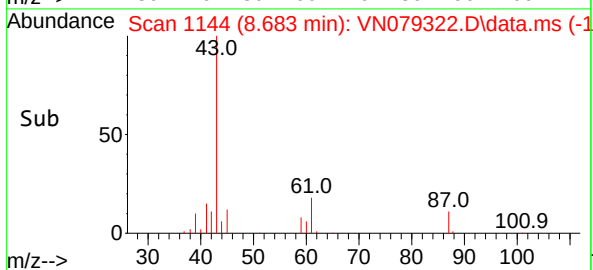
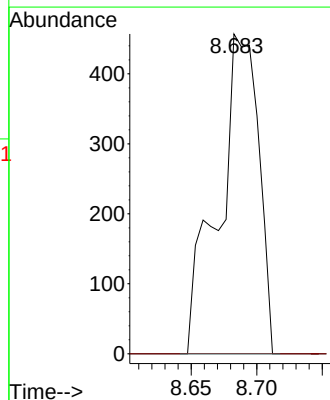
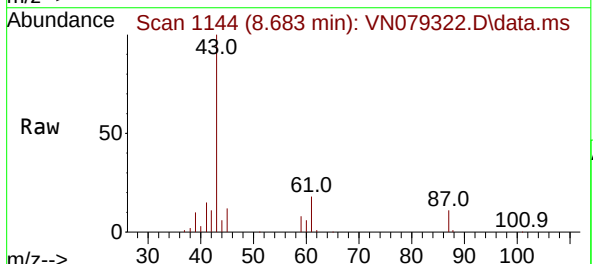


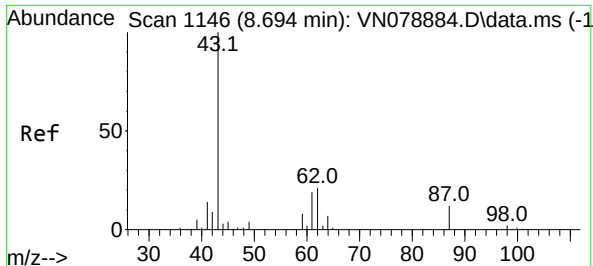
Tgt Ion:117 Resp: 17029
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.304 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

Tgt Ion: 62 Resp: 973
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8





#43

Isopropyl Acetate

Concen: 28.845 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079322.D

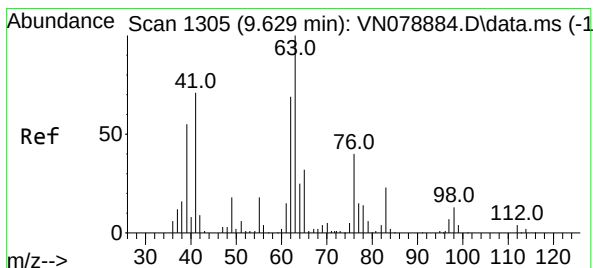
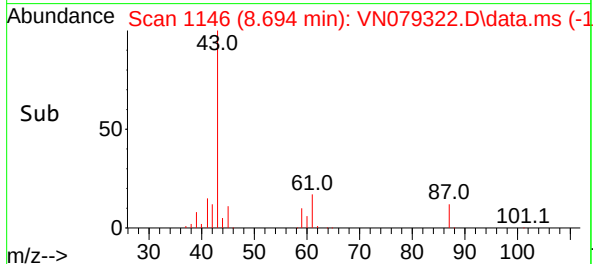
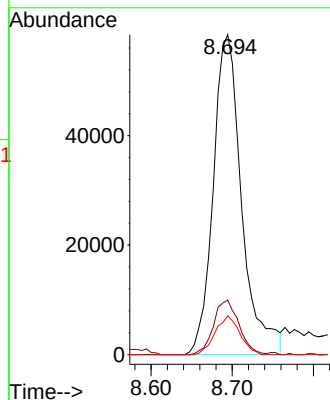
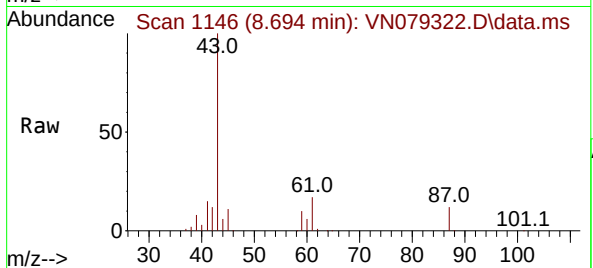
Acq: 21 Sep 2023 13:46

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	142405
Ion Ratio	Lower	Upper	
43	100		
61	15.3	24.7	37.1#
87	10.5	14.6	21.8#



#45

1,2-Dichloropropane

Concen: 0.527 ug/l

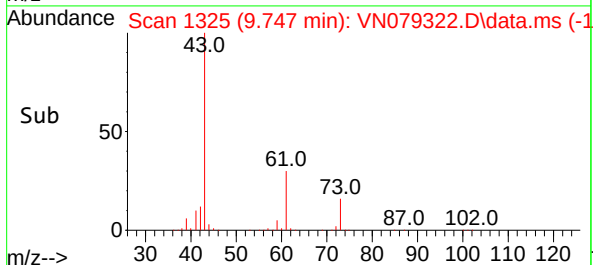
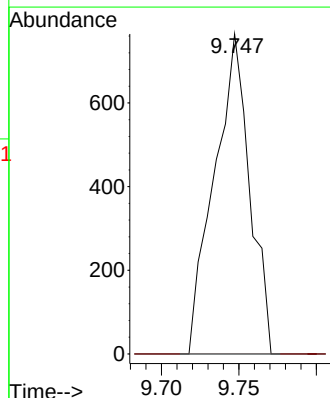
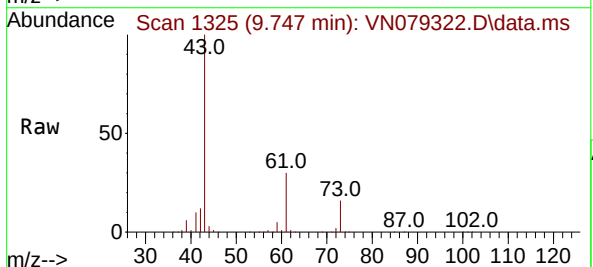
RT: 9.747 min Scan# 1325

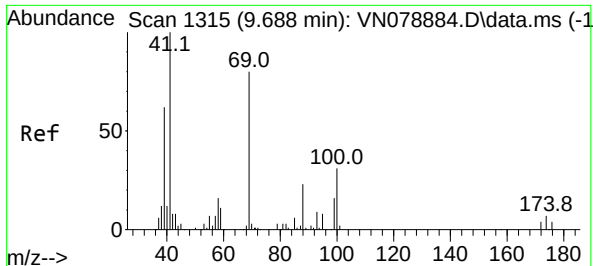
Delta R.T. 0.123 min

Lab File: VN079322.D

Acq: 21 Sep 2023 13:46

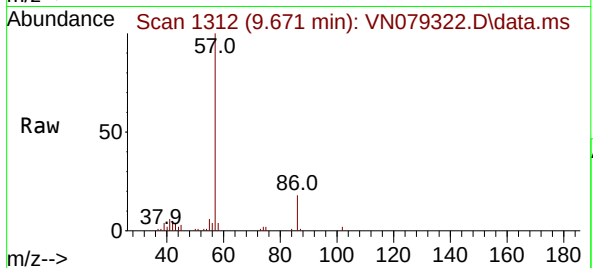
Tgt Ion:	63	Resp:	1214
Ion Ratio	Lower	Upper	
63	100		
65	0.0	23.9	35.9#



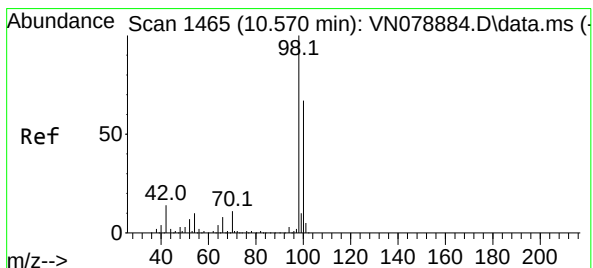
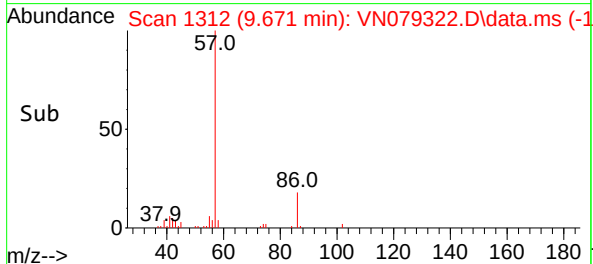
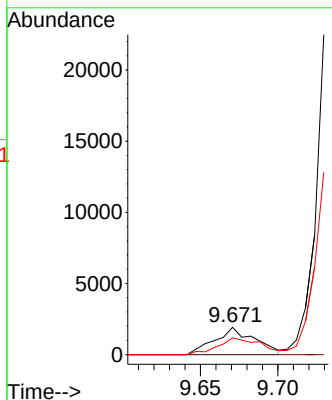


#48
Methyl methacrylate
Concen: 1.552 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

Instrument :
MSVOA_N
ClientSampleId :

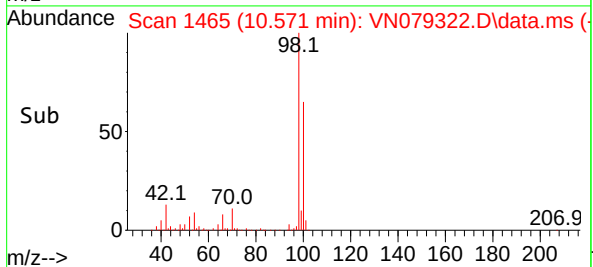
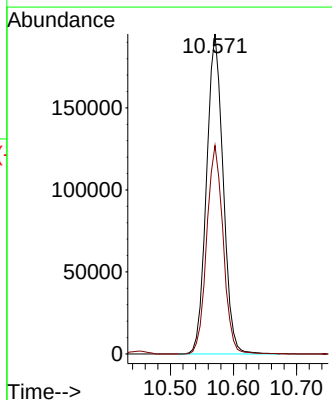
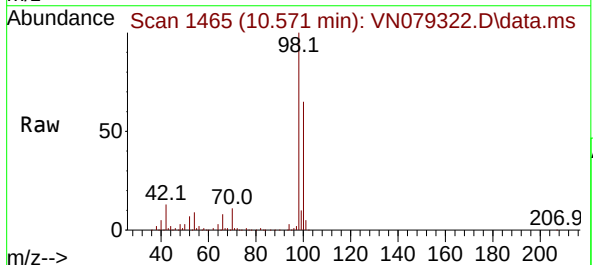


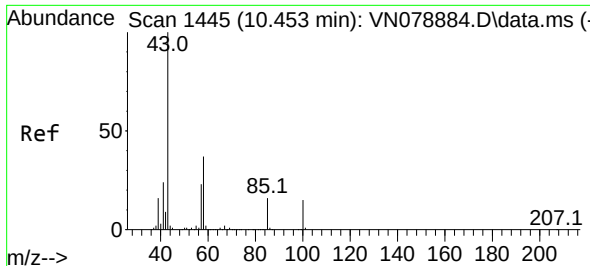
Tgt Ion: 41 Resp: 3433
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 65.7 54.6 81.8



#50
Toluene-d8
Concen: 49.359 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

Tgt Ion: 98 Resp: 356683
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

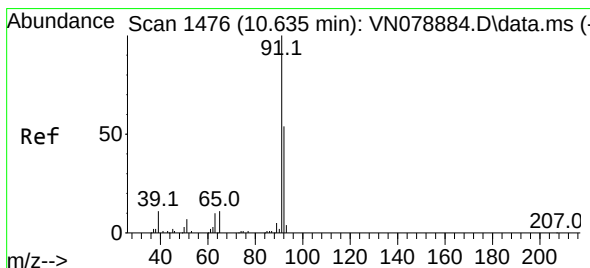
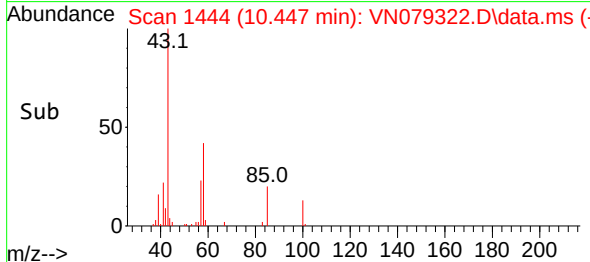
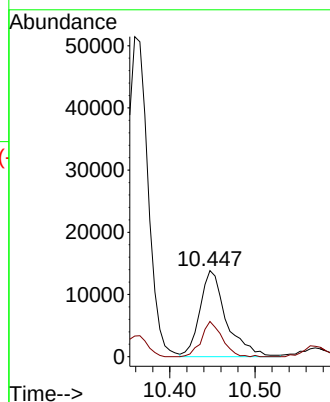
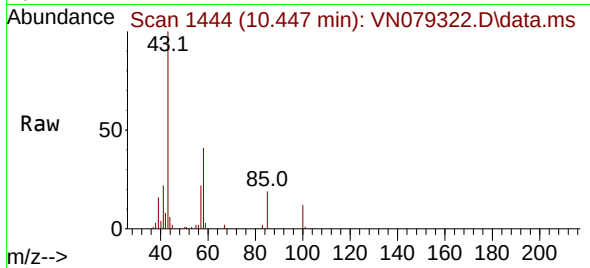




#51
4-Methyl-2-Pentanone
Concen: 10.465 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

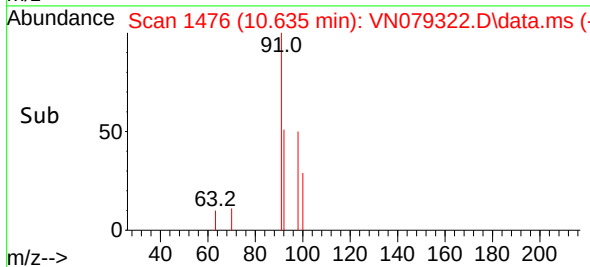
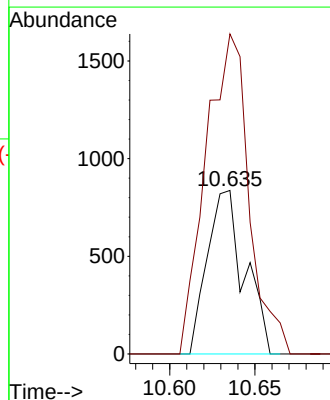
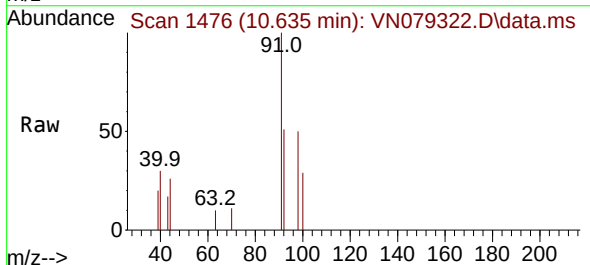
Instrument :
MSVOA_N
ClientSampleId :

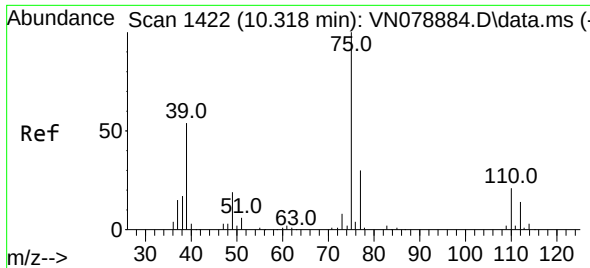
Tgt Ion: 43 Resp: 29992
Ion Ratio Lower Upper
43 100
58 31.7 36.6 54.8#



#52
Toluene
Concen: 0.223 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

Tgt Ion: 92 Resp: 1270
Ion Ratio Lower Upper
92 100
91 227.2 137.4 206.0#

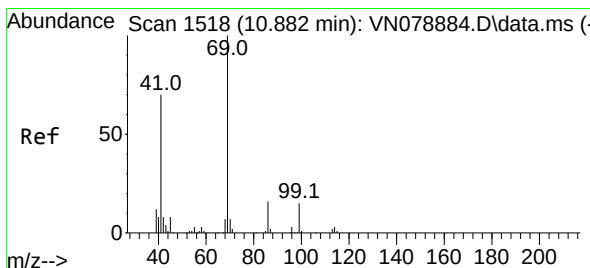
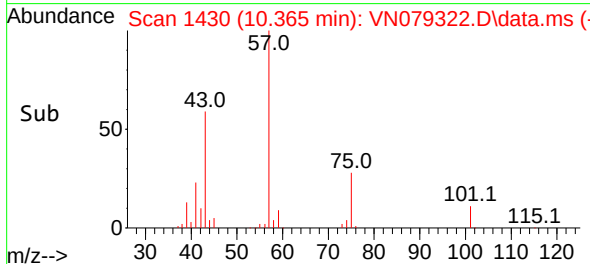
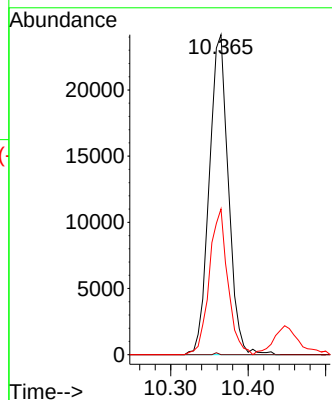
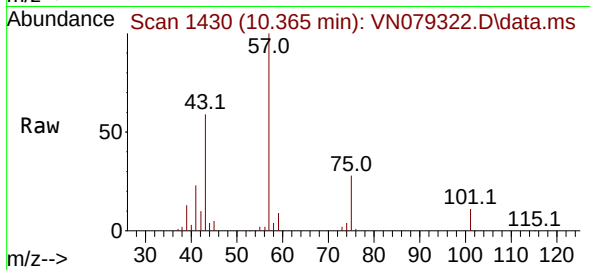




#54
 cis-1,3-Dichloropropene
 Concen: 11.462 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN079322.D
 Acq: 21 Sep 2023 13:46

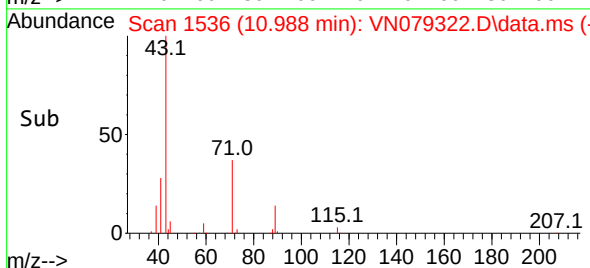
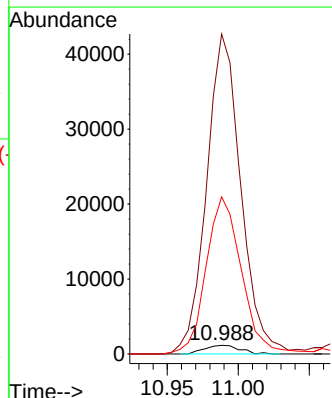
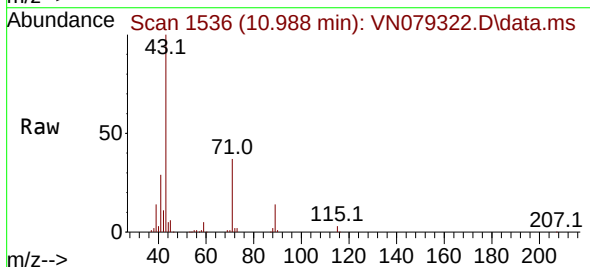
Instrument :
 MSVOA_N
 ClientSampleId :

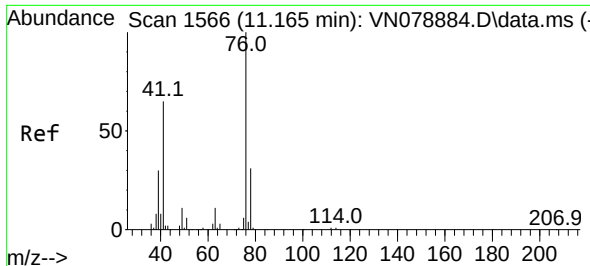
Tgt Ion: 75 Resp: 41423
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 45.6 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.633 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.111 min
 Lab File: VN079322.D
 Acq: 21 Sep 2023 13:46

Tgt Ion: 69 Resp: 2001
 Ion Ratio Lower Upper
 69 100
 41 3591.4 39.6 59.4#
 39 1819.0 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.334 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

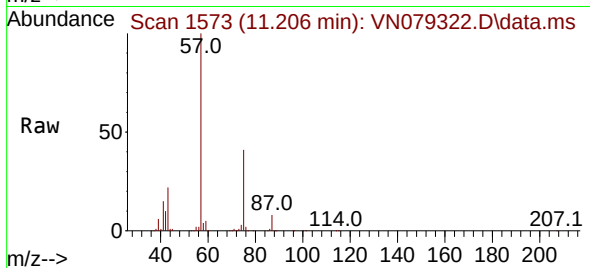
Lab File: VN079322.D

Acq: 21 Sep 2023 13:46

Instrument :

MSVOA_N

ClientSampleId :

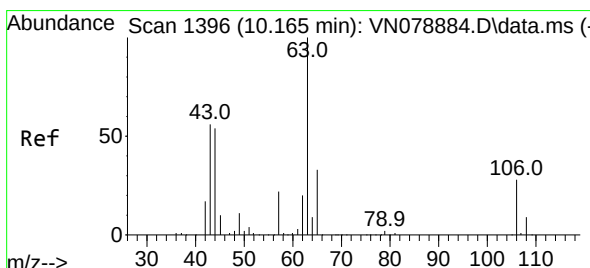
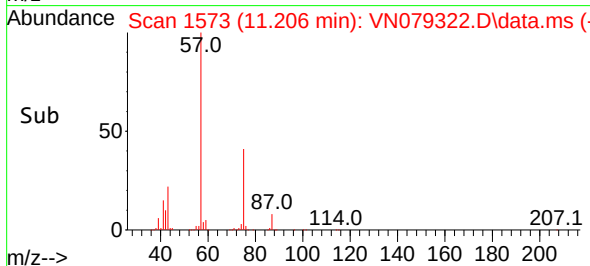
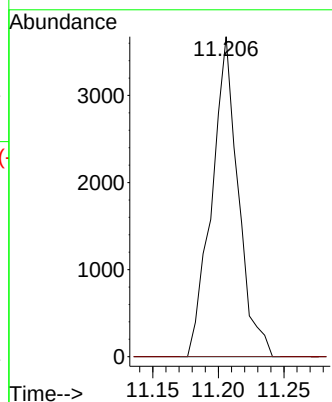


Tgt Ion: 76 Resp: 5163

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN079322.D

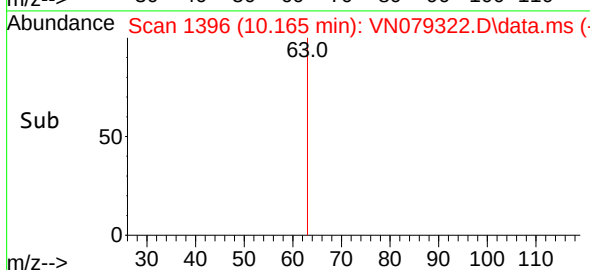
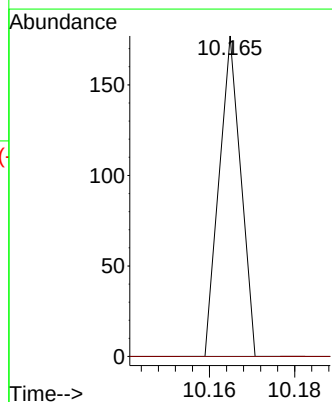
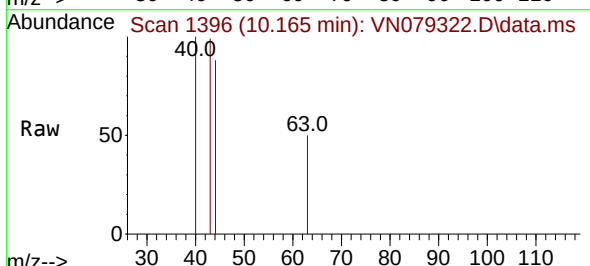
Acq: 21 Sep 2023 13:46

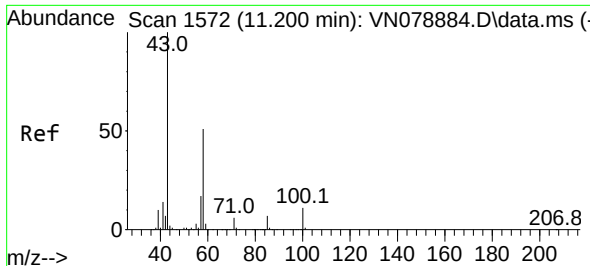
Tgt Ion: 63 Resp: 62

Ion Ratio Lower Upper

63 100

106 0.0 26.2 39.4#

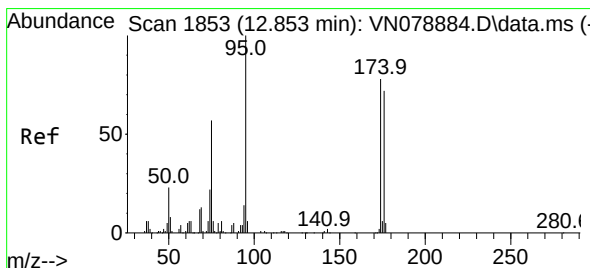
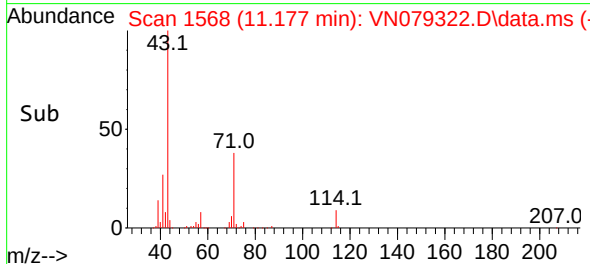
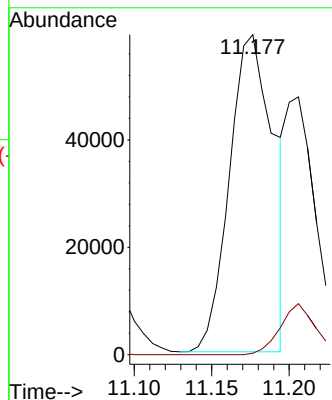
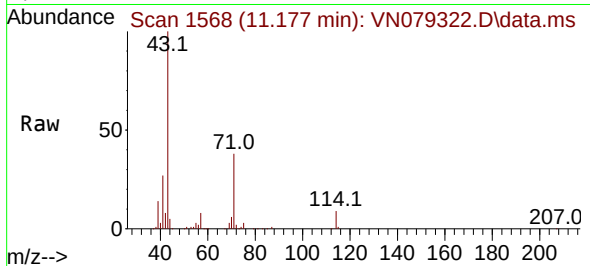




#59
2-Hexanone
Concen: 56.260 ug/l
RT: 11.177 min Scan# 116778
Delta R.T. -0.023 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

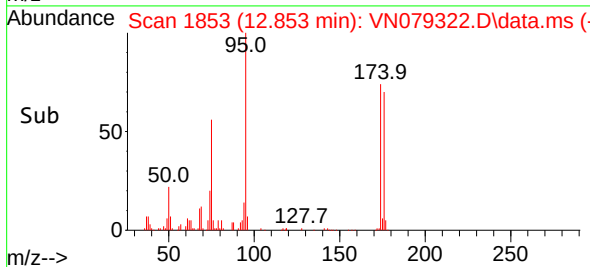
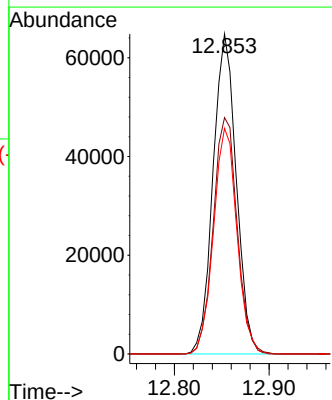
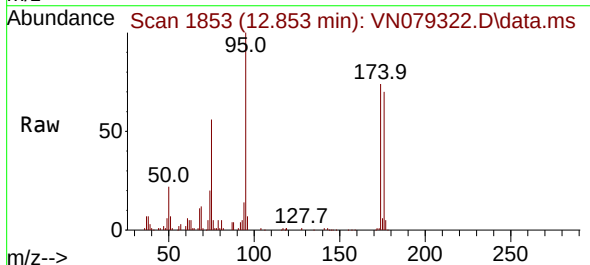
Instrument :
MSVOA_N
ClientSampleId :

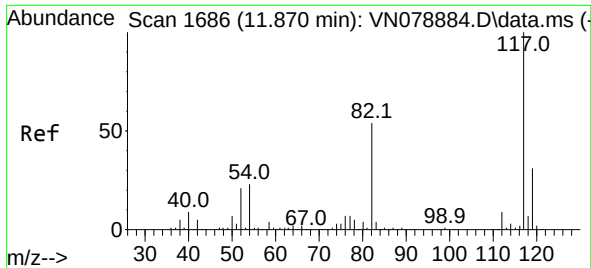
Tgt Ion: 43 Resp: 116778
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.857 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

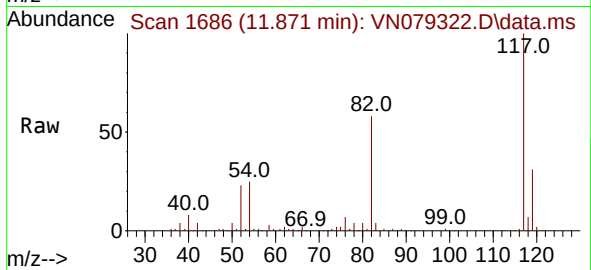
Tgt Ion: 95 Resp: 110311
Ion Ratio Lower Upper
95 100
174 76.4 0.0 143.8
176 71.3 0.0 135.8



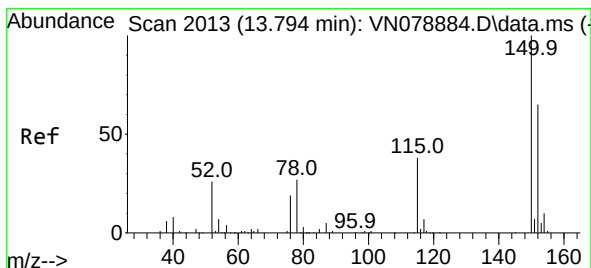
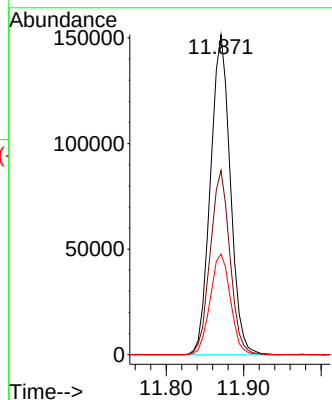
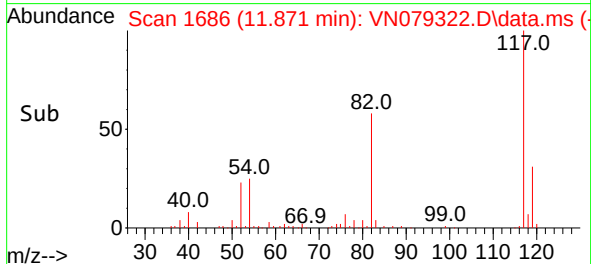


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

Instrument :
MSVOA_N
ClientSampleId :

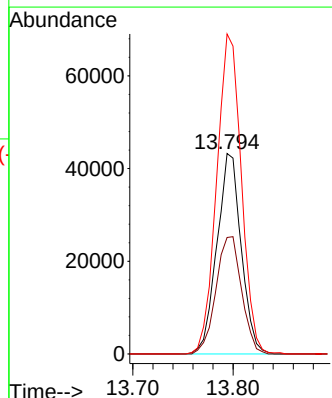
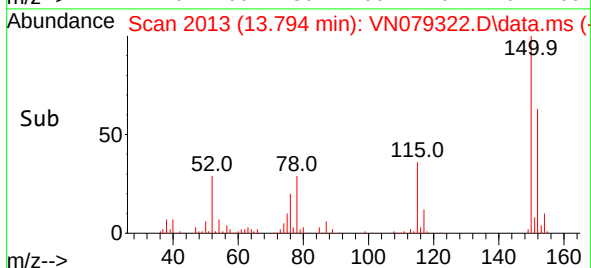
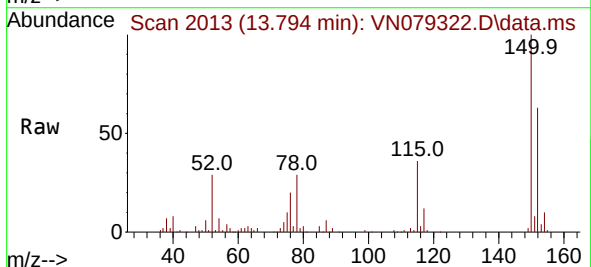


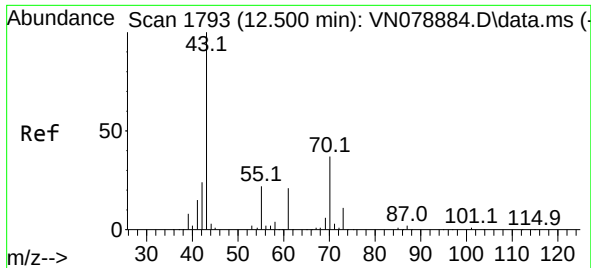
Tgt Ion:117 Resp: 269587
Ion Ratio Lower Upper
117 100
82 57.6 44.0 66.0
119 31.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

Tgt Ion:152 Resp: 72643
Ion Ratio Lower Upper
152 100
115 61.7 32.3 96.8
150 162.1 0.0 355.8

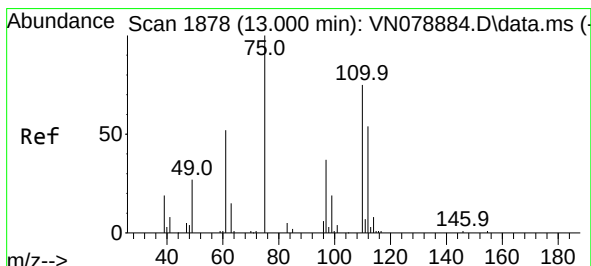
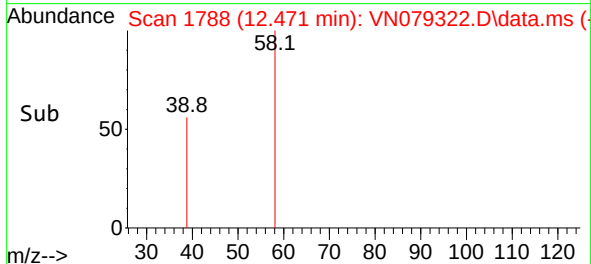
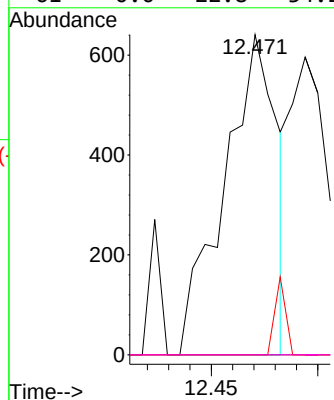
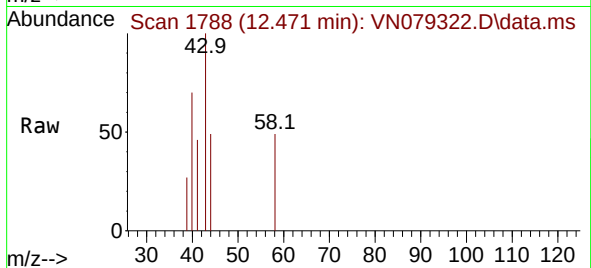




#74
N-amy1 acetate
Concen: 0.439 ug/l
RT: 12.471 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

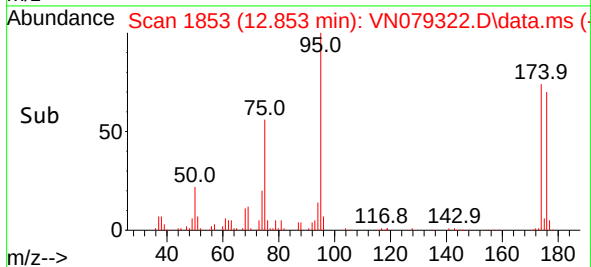
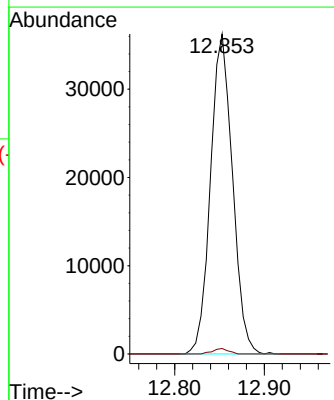
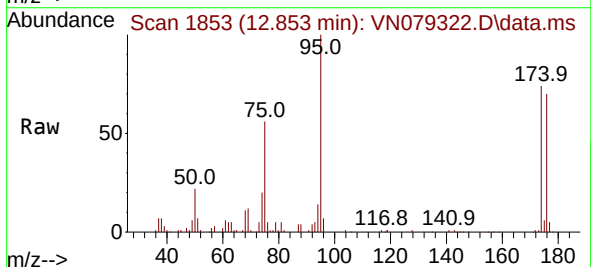
Instrument :
MSVOA_N
ClientSampleId :

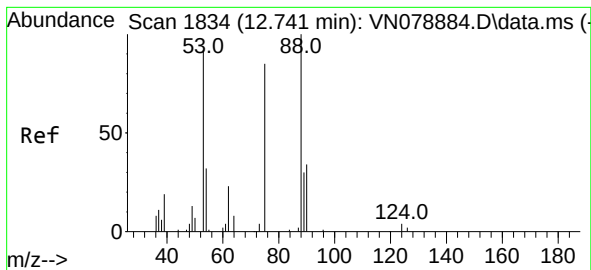
Tgt Ion: 43	Resp: 1102
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 5.0	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 31.516 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079322.D
Acq: 21 Sep 2023 13:46

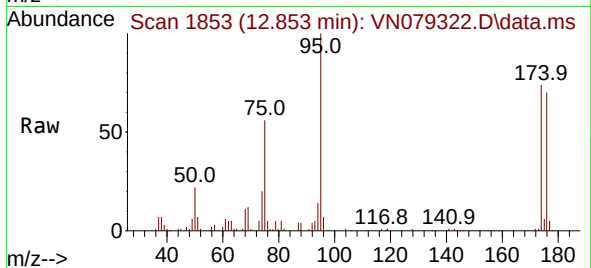
Tgt Ion: 75	Resp: 61702
Ion Ratio	Lower Upper
75 100	
77 1.2	84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.643 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079322.D
 Acq: 21 Sep 2023 13:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 61702
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

