

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092523\
 Data File : VN079342.D
 Acq On : 25 Sep 2023 13:44
 Operator : JC\MD
 Sample : 04531-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 26 06:19:33 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

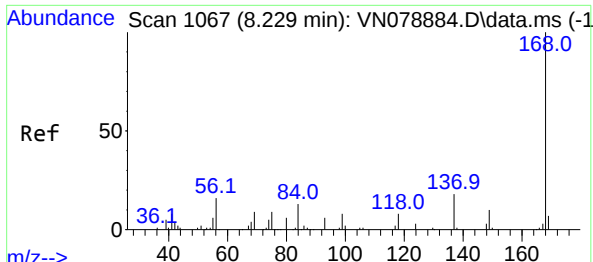
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	152278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	293217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	274873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	73140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	122716	59.698	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.400%			
35) Dibromofluoromethane	8.171	113	96661	49.559	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.120%			
50) Toluene-d8	10.571	98	336519	46.989	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.980%			
62) 4-Bromofluorobenzene	12.853	95	107233	46.941	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.880%			
Target Compounds					Qvalue	
6) Chloroethane	3.130	64	369	Below Cal	#	43
11) Tert butyl alcohol	5.506	59	605	1.594	ug/l #	72
16) Acetone	4.447	43	36207	41.473	ug/l	92
18) Methyl Acetate	5.036	43	2172	0.605	ug/l #	51
20) Methylene Chloride	5.277	84	11566	5.444	ug/l #	87
25) 2-Butanone	7.506	43	5624	4.440	ug/l #	78
29) Tetrahydrofuran	7.847	42	270	0.335	ug/l #	52
31) Cyclohexane	8.230	56	4164	1.387	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	13988	4.653	ug/l #	48
37) Ethyl Acetate	7.571	43	3145	1.049	ug/l #	75
38) Carbon Tetrachloride	8.235	117	16672	5.359	ug/l #	17
43) Isopropyl Acetate	8.694	43	116032	23.715	ug/l #	80
45) 1,2-Dichloropropane	9.753	63	1642	0.719	ug/l #	45
48) Methyl methacrylate	9.747	41	115800	52.839	ug/l #	29
51) 4-Methyl-2-Pentanone	10.453	43	13269	4.672	ug/l #	72
54) cis-1,3-Dichloropropene	10.365	75	39647	11.070	ug/l #	66
56) Ethyl methacrylate	10.988	69	1911	0.610	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5497	1.433	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.159	63	70	Below Cal	#	42
59) 2-Hexanone	11.206	43	69630	33.848	ug/l #	48
71) Bromoform	12.853	173	1087	0.631	ug/l #	1
74) N-amyl acetate	12.494	43	1104	0.437	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	59143	30.003	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	59143	82.485	ug/l #	15
95) Naphthalene	15.647	128	962	0.330	ug/l #	70

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

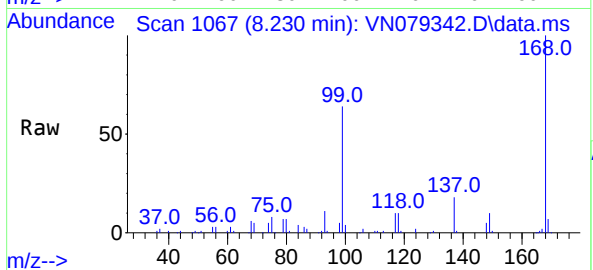
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration



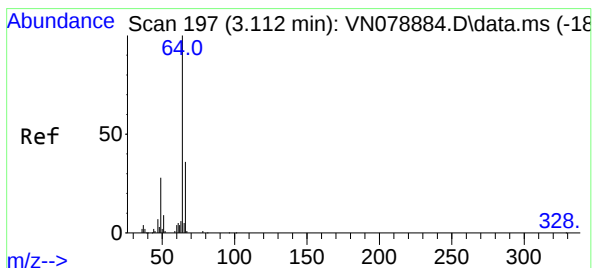
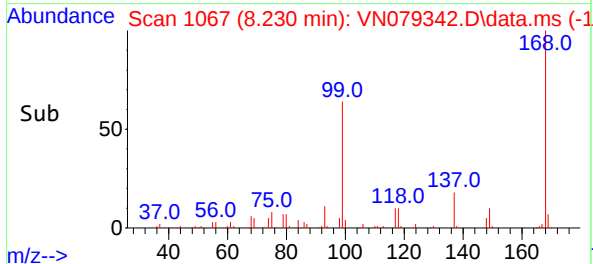
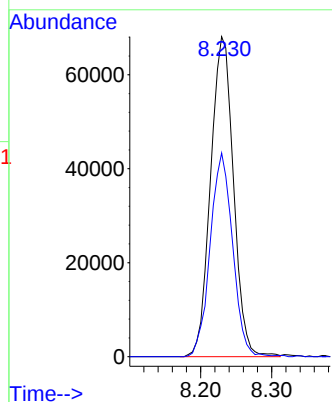


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Instrument :
MSVOA_N
ClientSampleId :

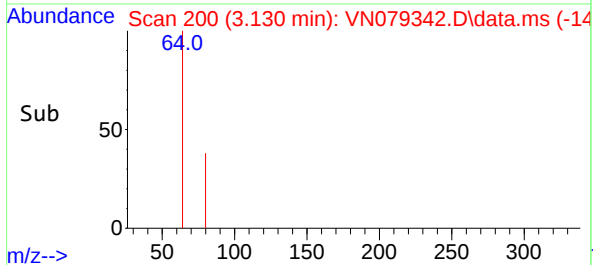
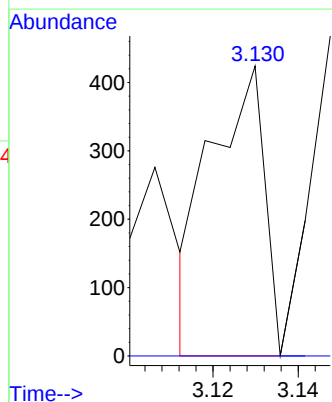
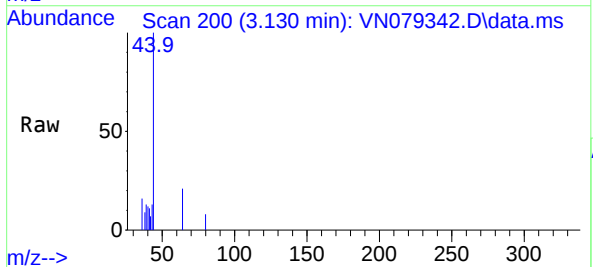


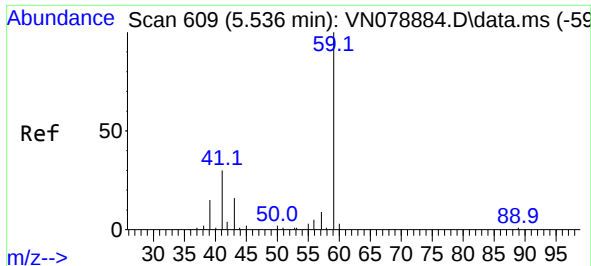
Tgt Ion:168 Resp: 152278
Ion Ratio Lower Upper
168 100
99 63.6 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Tgt Ion: 64 Resp: 369
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 1.594 ug/l

RT: 5.506 min Scan# 609

Delta R.T. -0.036 min

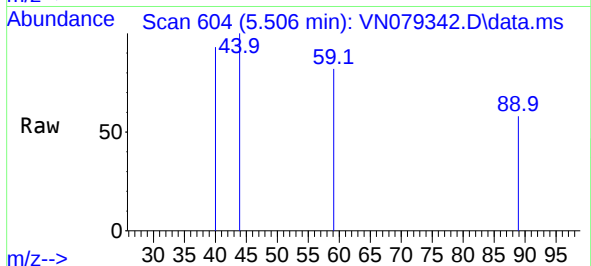
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Acq: 25 Sep 2023 13:44

Instrument :

MSVOA_N

ClientSampleId :

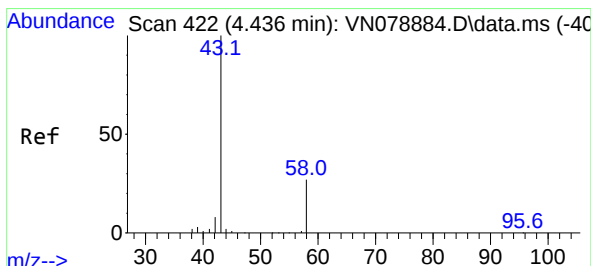
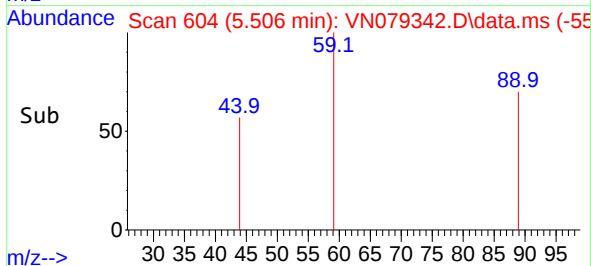
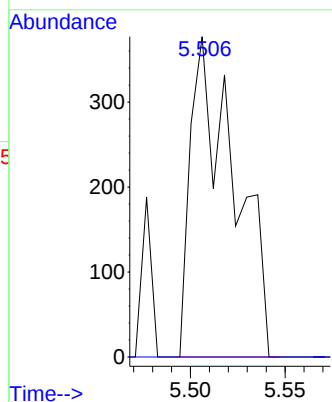


Tgt Ion: 59 Resp: 605

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 41.473 ug/l

RT: 4.447 min Scan# 424

Delta R.T. 0.005 min

Lab File: VN079342.D

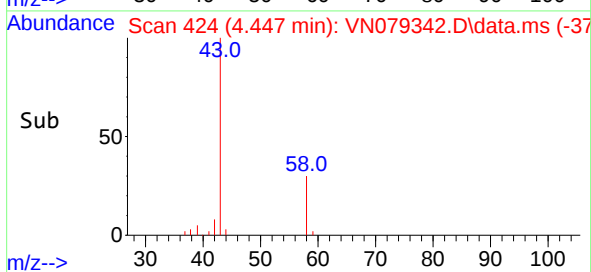
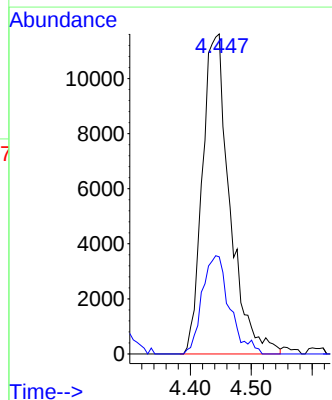
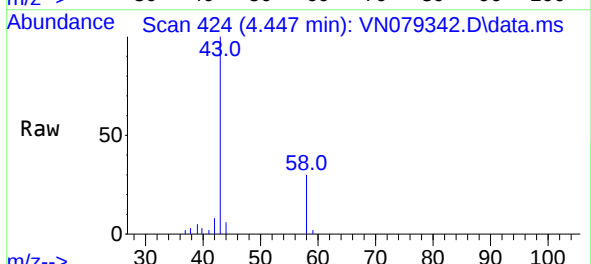
Acq: 25 Sep 2023 13:44

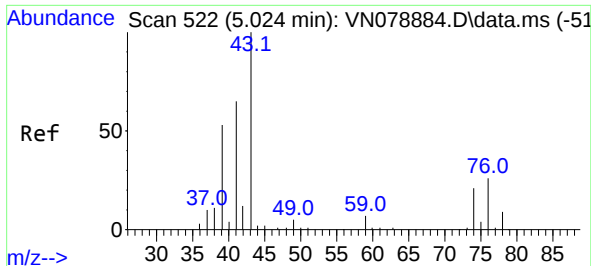
Tgt Ion: 43 Resp: 36207

Ion Ratio Lower Upper

43 100

58 30.4 28.0 42.0

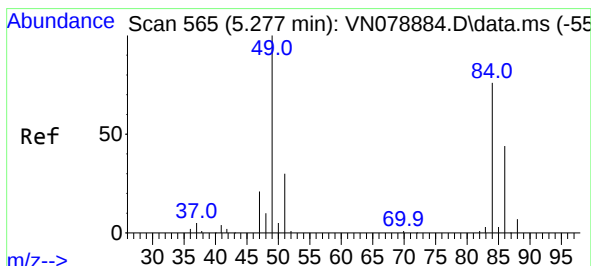
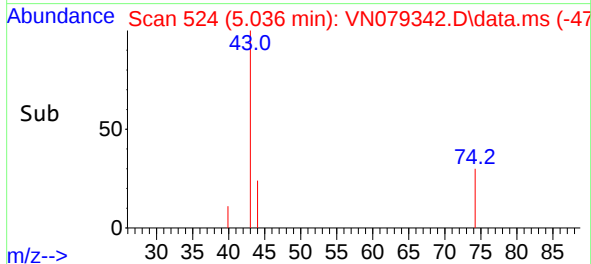
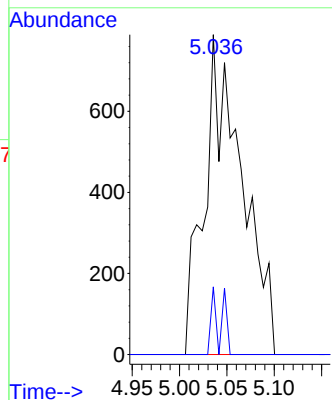
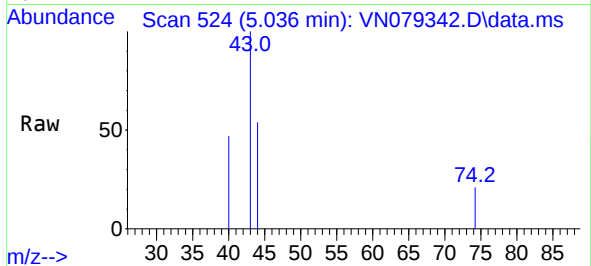




#18
Methyl Acetate
Concen: 0.605 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

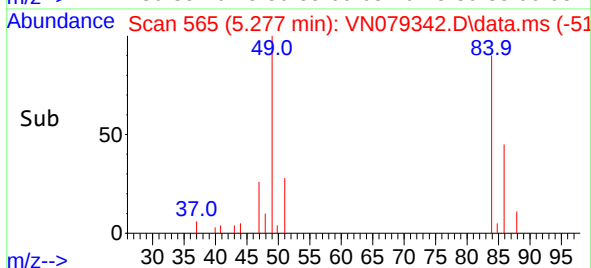
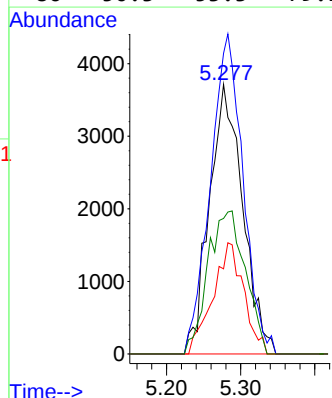
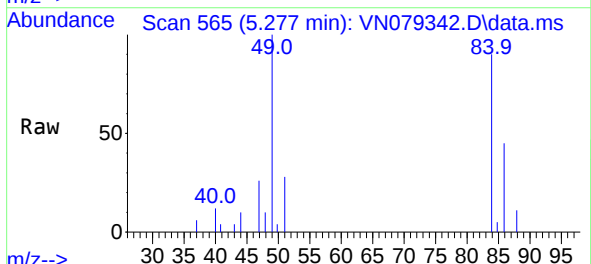
Instrument :
MSVOA_N
ClientSampleId :

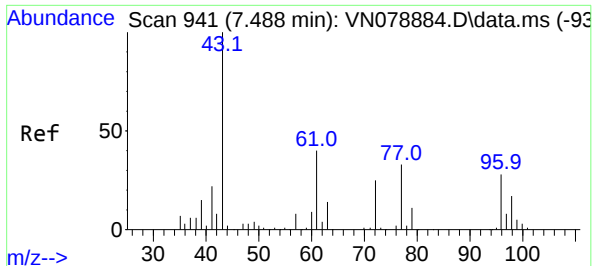
Tgt Ion: 43 Resp: 2172
Ion Ratio Lower Upper
43 100
74 5.4 26.2 39.4#



#20
Methylene Chloride
Concen: 5.444 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Tgt Ion: 84 Resp: 11566
Ion Ratio Lower Upper
84 100
49 111.6 79.7 119.5
51 31.6 25.2 37.8
86 50.3 53.3 79.9#





#25

2-Butanone

Concen: 4.440 ug/l

RT: 7.506 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN079342.D

Acq: 25 Sep 2023 13:44

Instrument :

MSVOA_N

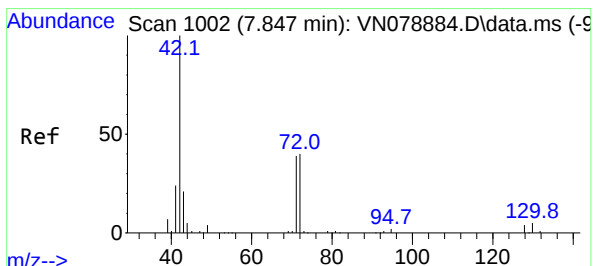
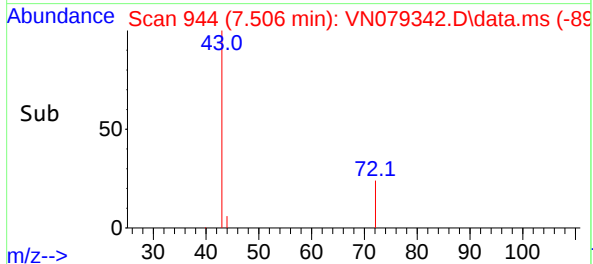
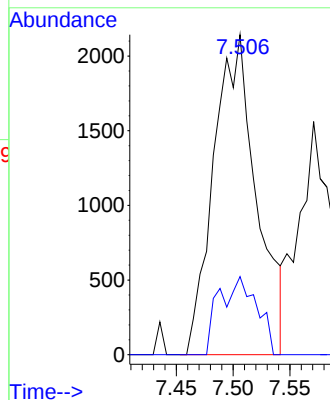
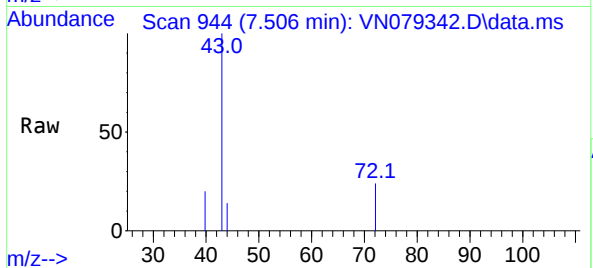
ClientSampleId :

Tgt Ion: 43 Resp: 5624

Ion Ratio Lower Upper

43 100

72 24.4 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.335 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VN079342.D

Acq: 25 Sep 2023 13:44

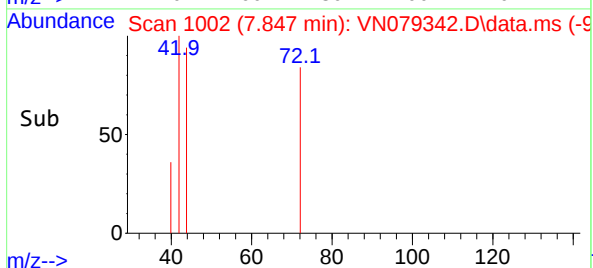
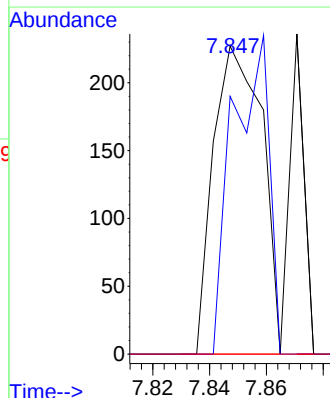
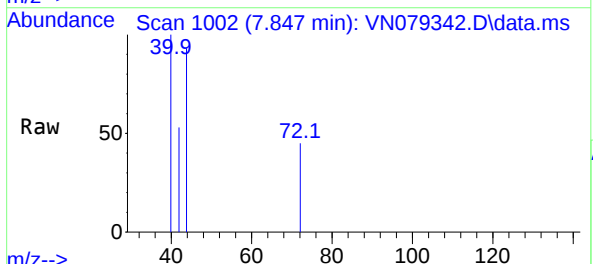
Tgt Ion: 42 Resp: 270

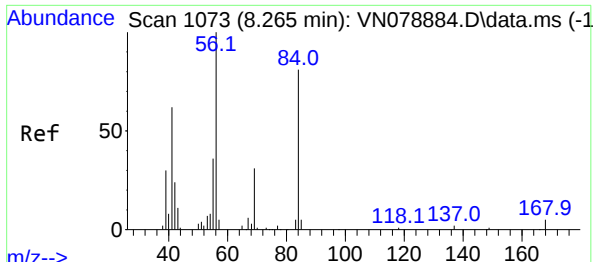
Ion Ratio Lower Upper

42 100

72 76.7 49.8 74.6#

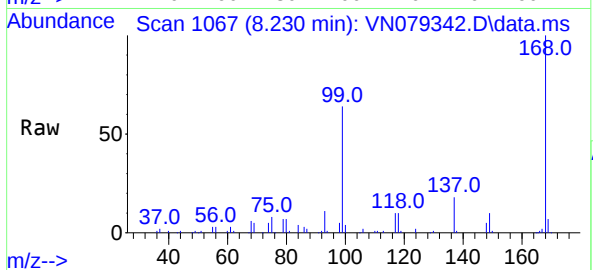
71 0.0 47.4 71.2#



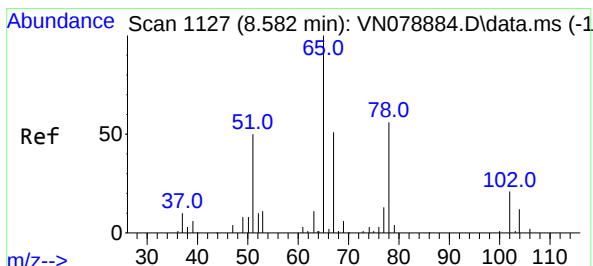
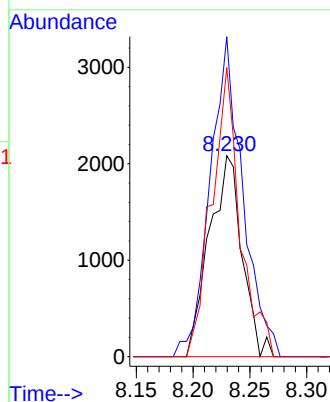
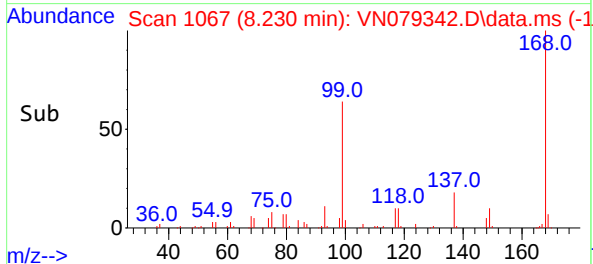


#31
Cyclohexane
Concen: 1.387 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Instrument :
MSVOA_N
ClientSampleId :

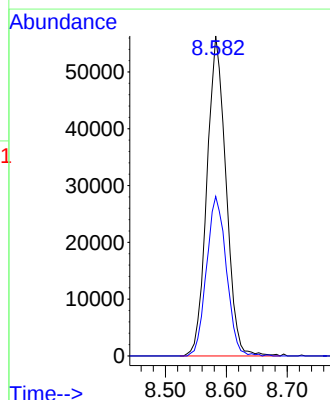
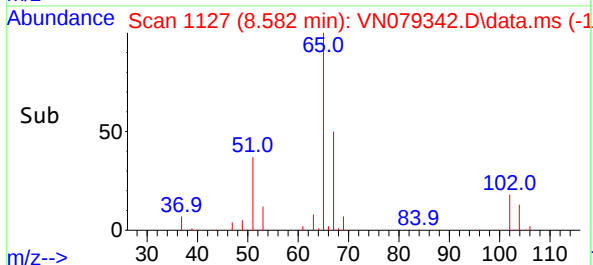
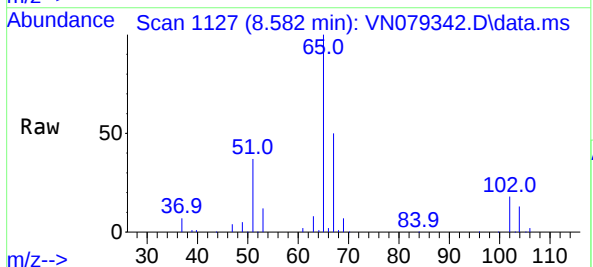


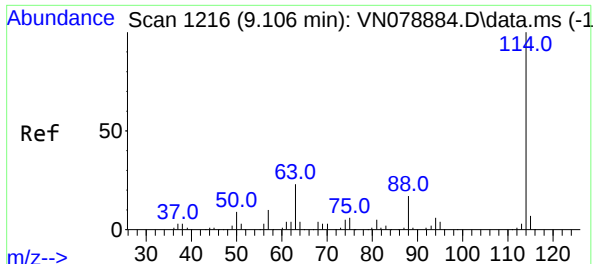
Tgt Ion: 56 Resp: 4164
Ion Ratio Lower Upper
56 100
69 159.2 26.8 40.2#
84 143.9 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 59.698 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Tgt Ion: 65 Resp: 122716
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.6

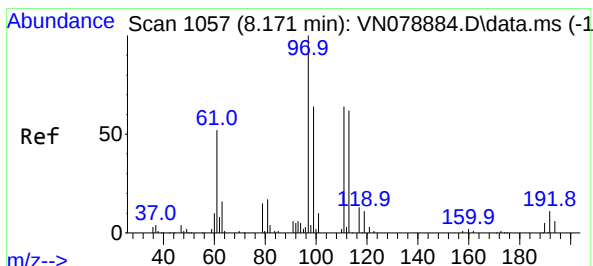
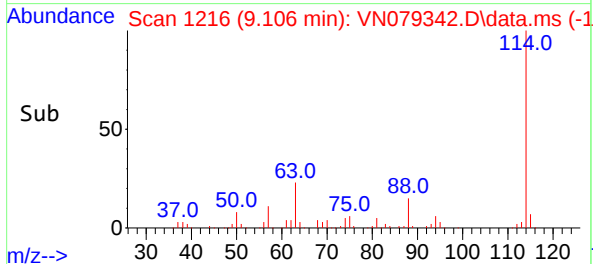
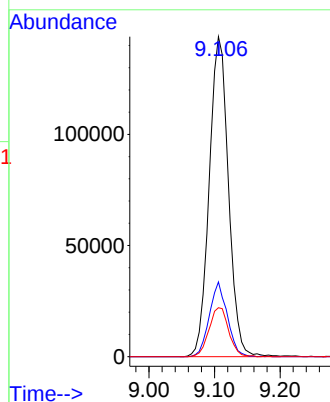
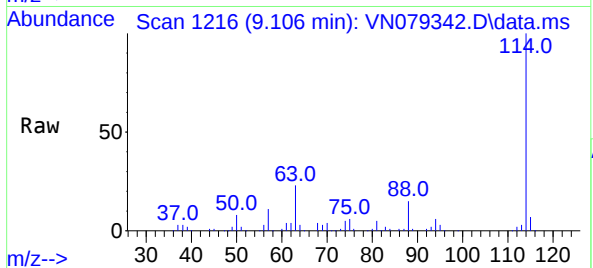




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

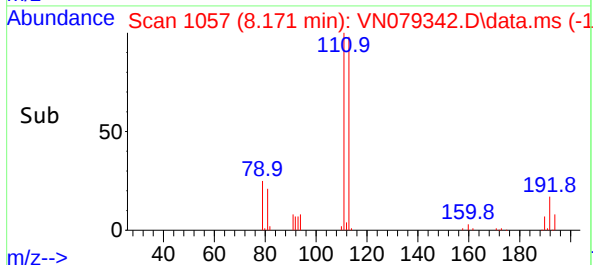
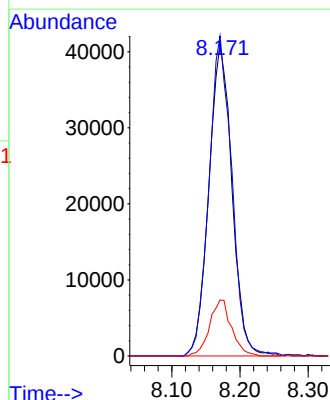
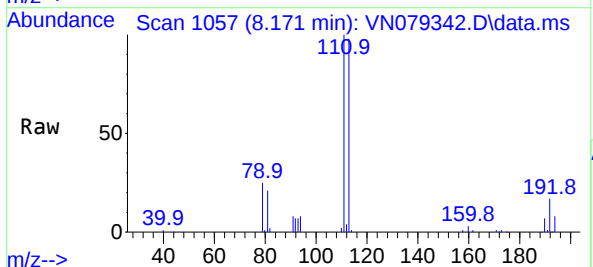
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ClientSampleId :

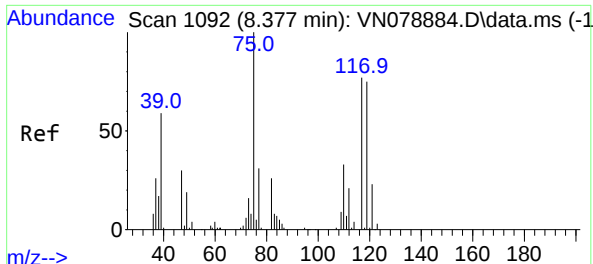
Tgt Ion:114 Resp: 293217
Ion Ratio Lower Upper
114 100
63 23.3 0.0 36.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.559 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

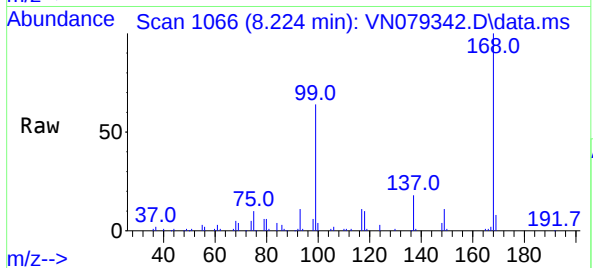
Tgt Ion:113 Resp: 96661
Ion Ratio Lower Upper
113 100
111 101.3 82.6 123.8
192 17.0 12.7 19.1



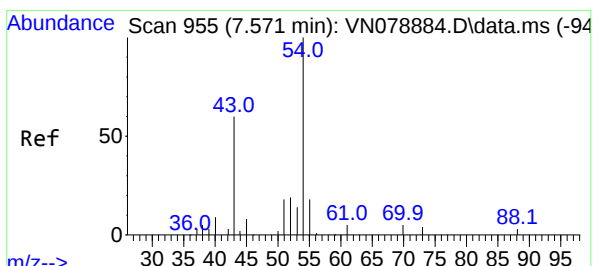
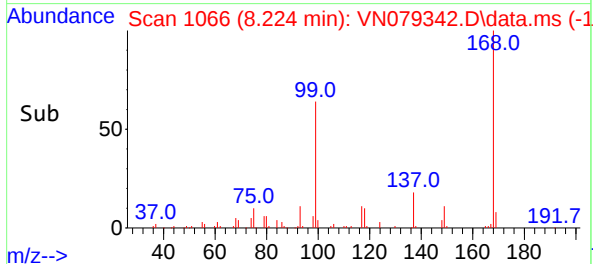
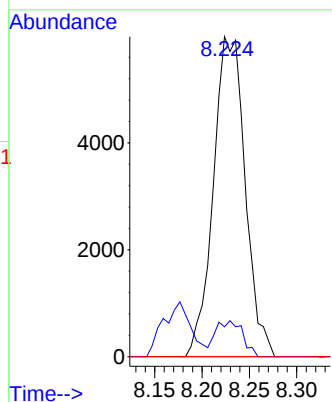


#36
1,1-Dichloropropene
Concen: 4.653 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Instrument :
MSVOA_N
ClientSampleId :

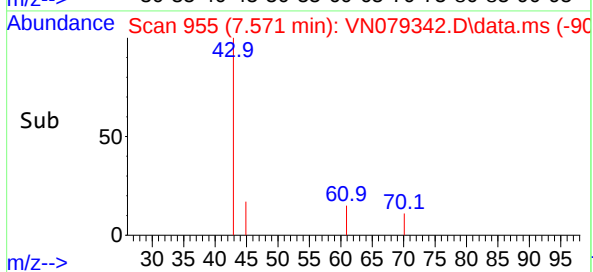
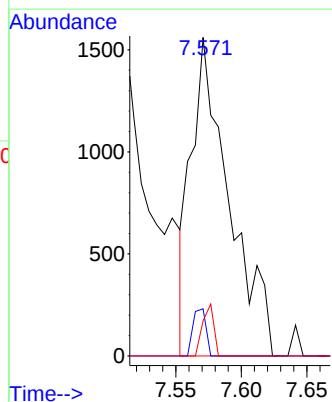
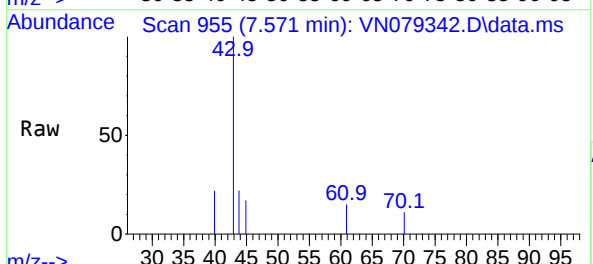


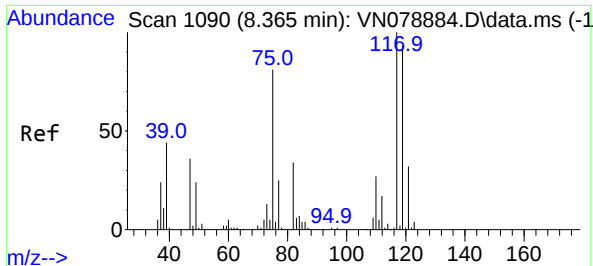
Tgt Ion: 75 Resp: 13988
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.049 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.000 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

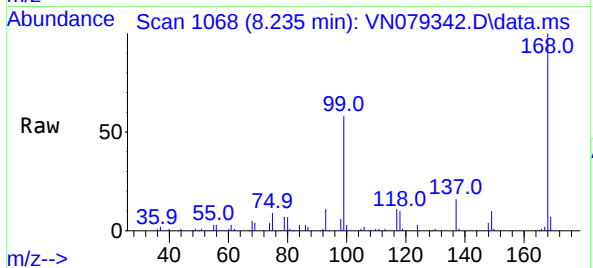
Tgt Ion: 43 Resp: 3145
Ion Ratio Lower Upper
43 100
61 5.0 13.2 19.8#
70 4.8 11.3 16.9#



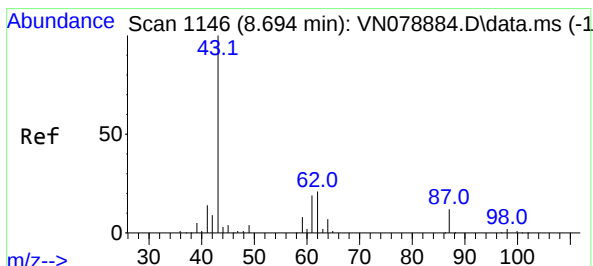
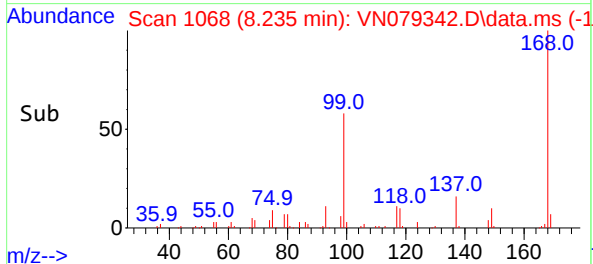
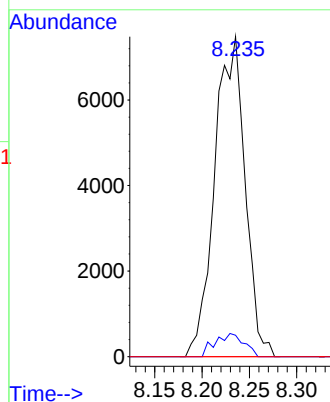


#38
Carbon Tetrachloride
Concen: 5.359 ug/l
RT: 8.235 min Scan# 1107
Delta R.T. -0.136 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Instrument :
MSVOA_N
ClientSampleId :

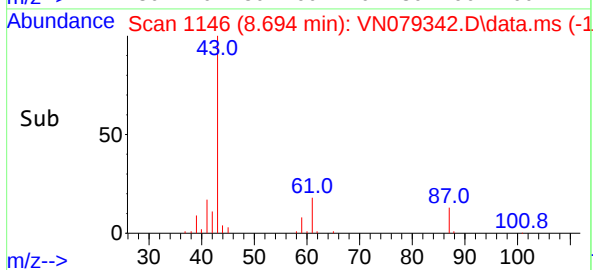
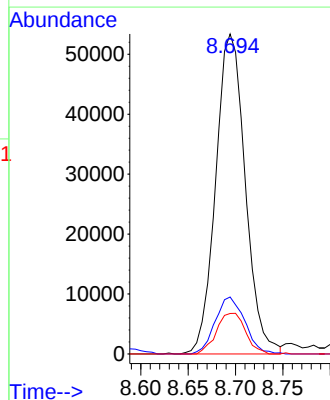
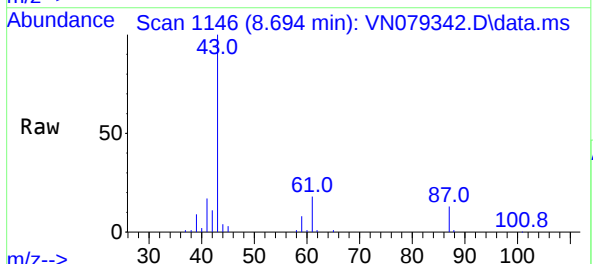


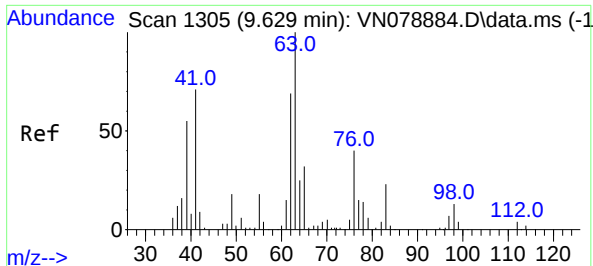
Tgt Ion:117 Resp: 16672
Ion Ratio Lower Upper
117 100
119 6.7 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 23.715 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Tgt Ion: 43 Resp: 116032
Ion Ratio Lower Upper
43 100
61 17.8 24.7 37.1#
87 12.5 14.6 21.8#

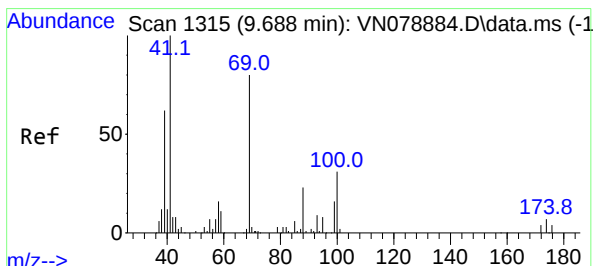
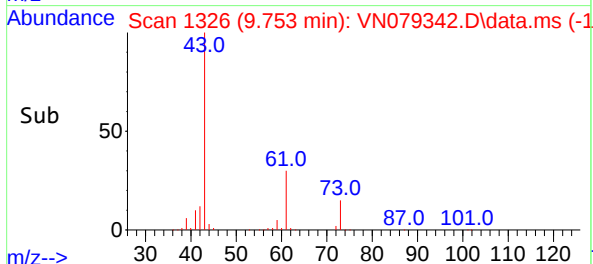
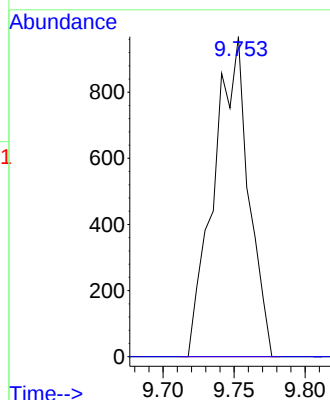
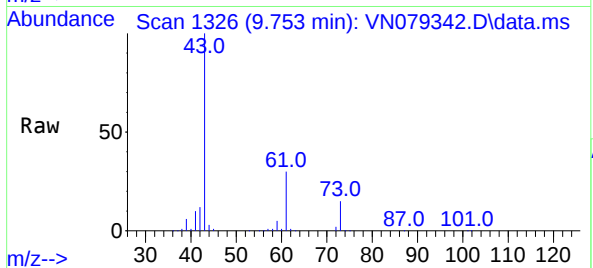




#45
1,2-Dichloropropane
Concen: 0.719 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.129 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

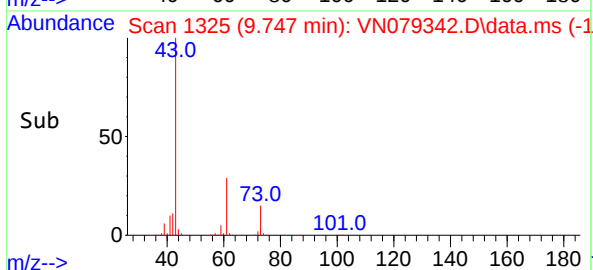
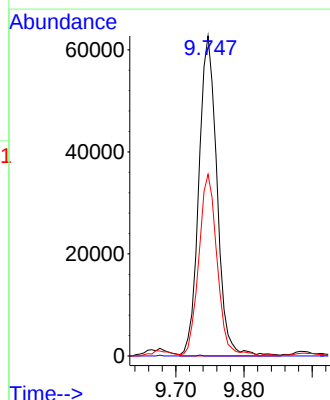
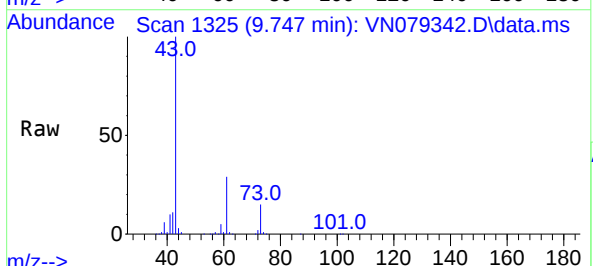
Instrument :
MSVOA_N
ClientSampleId :

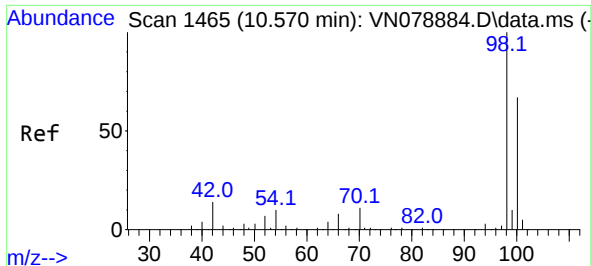
Tgt Ion: 63 Resp: 1642
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 52.839 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Tgt Ion: 41 Resp: 115800
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 57.3 54.6 81.8

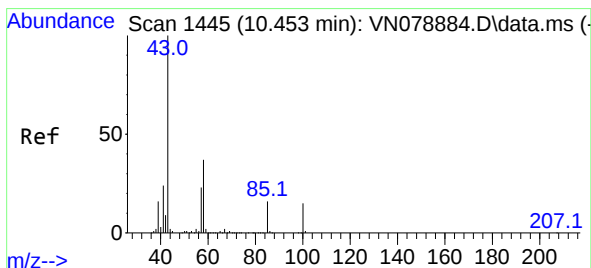
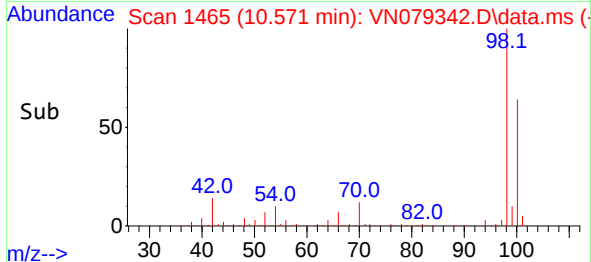
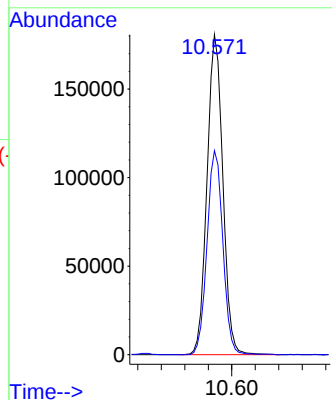
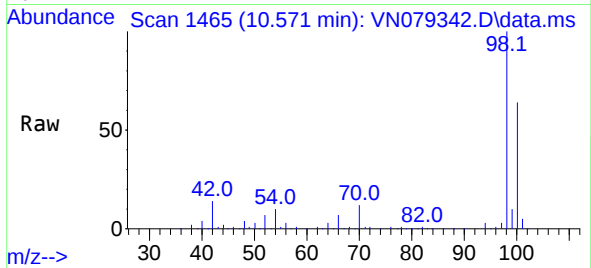




#50
Toluene-d8
Concen: 46.989 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

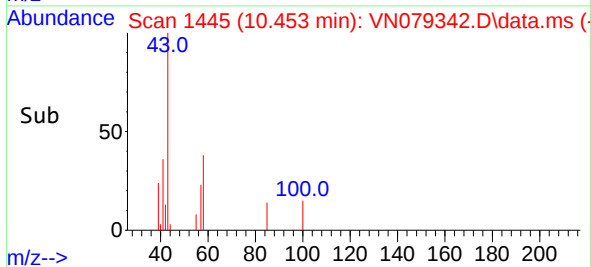
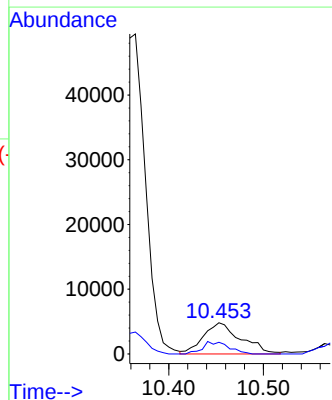
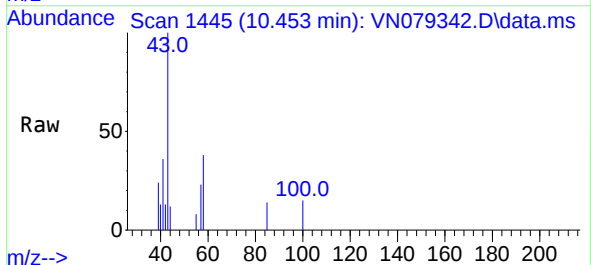
Instrument :
MSVOA_N
ClientSampleId :

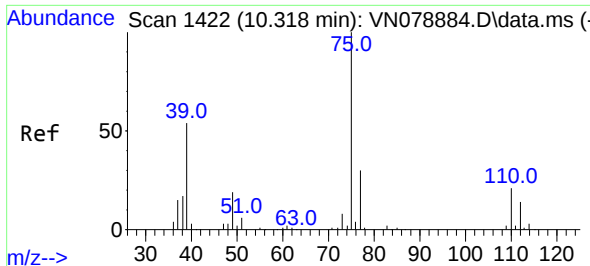
Tgt Ion: 98 Resp: 336519
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.672 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Tgt Ion: 43 Resp: 13269
Ion Ratio Lower Upper
43 100
58 27.4 36.6 54.8#

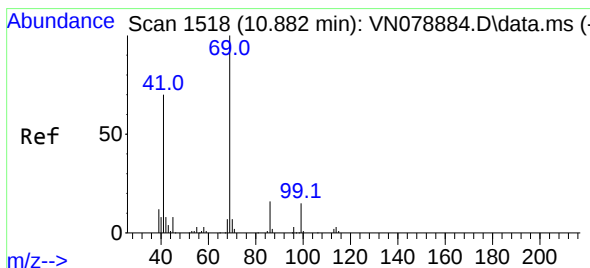
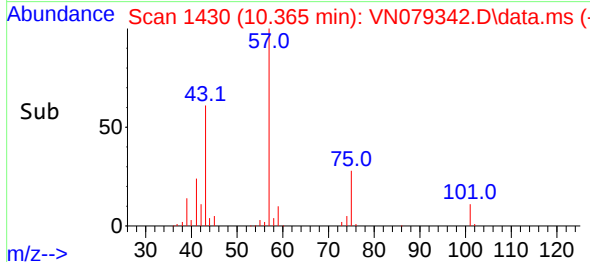
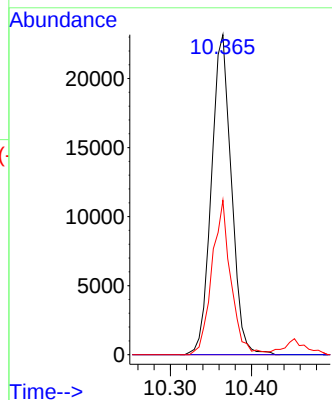
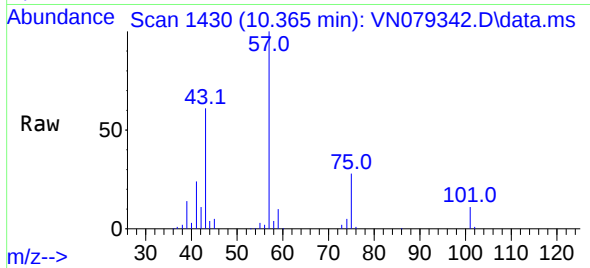




#54
cis-1,3-Dichloropropene
Concen: 11.070 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

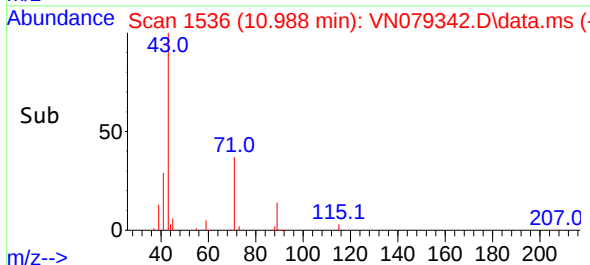
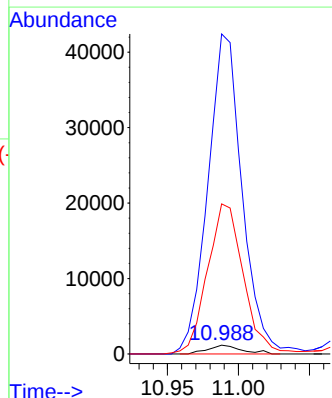
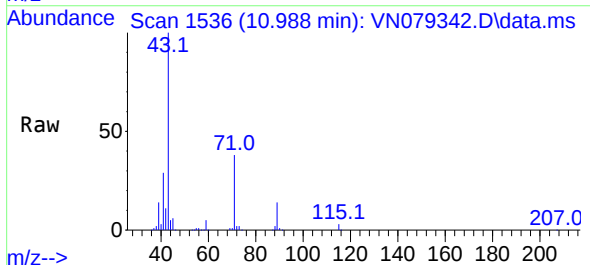
Instrument :
MSVOA_N
ClientSampleId :

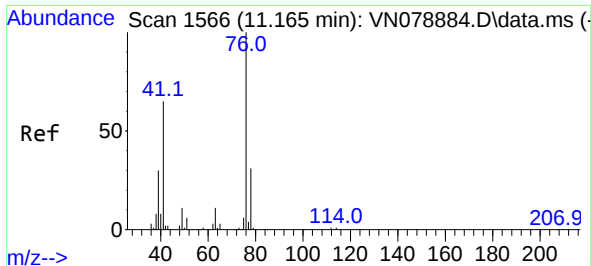
Tgt Ion: 75 Resp: 39647
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 48.3 31.6 47.4#



#56
Ethyl methacrylate
Concen: 0.610 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Tgt Ion: 69 Resp: 1911
Ion Ratio Lower Upper
69 100
41 3735.6 39.6 59.4#
39 1829.3 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.433 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

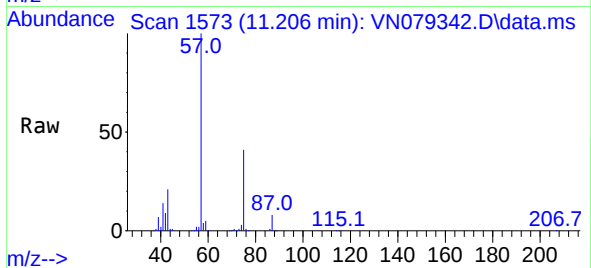
Lab File: VN079342.D

Acq: 25 Sep 2023 13:44

Instrument :

MSVOA_N

ClientSampleId :

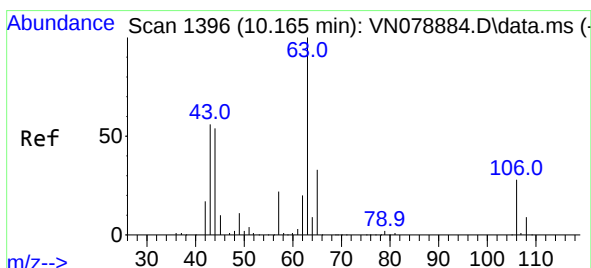
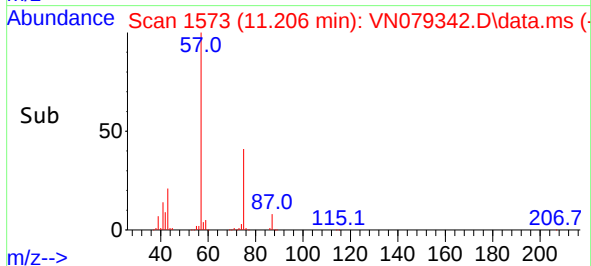
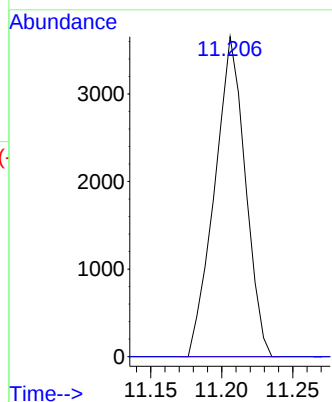


Tgt Ion: 76 Resp: 5497

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 10.159 min Scan# 1395

Delta R.T. -0.006 min

Lab File: VN079342.D

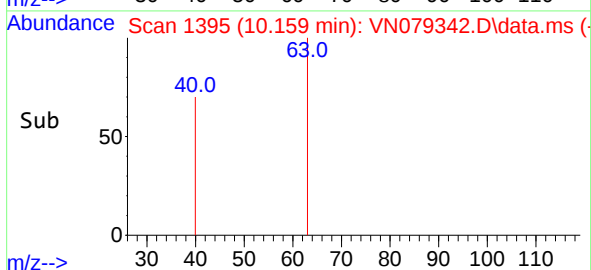
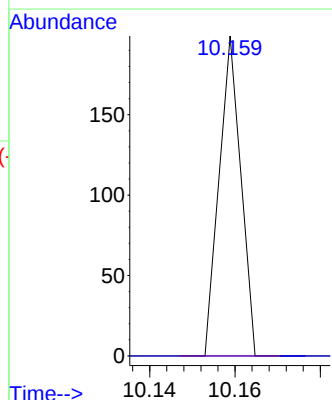
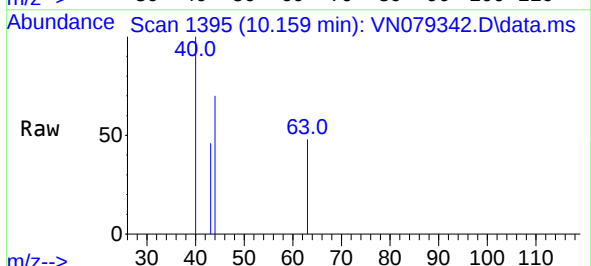
Acq: 25 Sep 2023 13:44

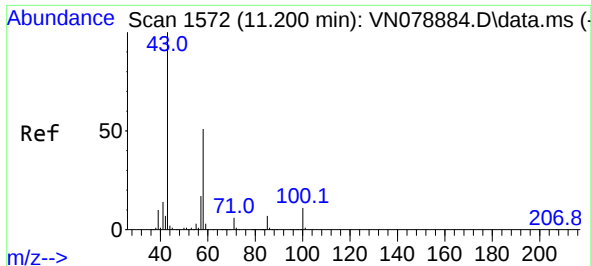
Tgt Ion: 63 Resp: 70

Ion Ratio Lower Upper

63 100

106 0.0 26.2 39.4#

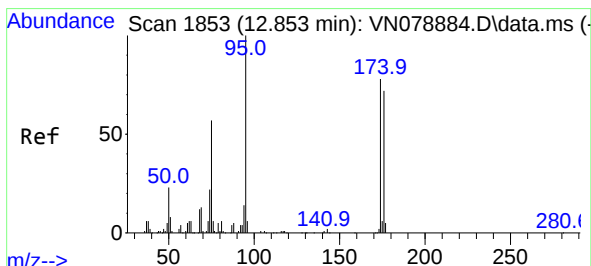
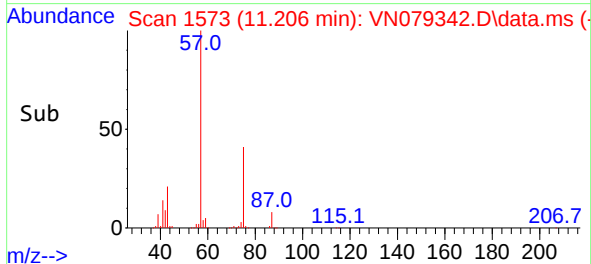
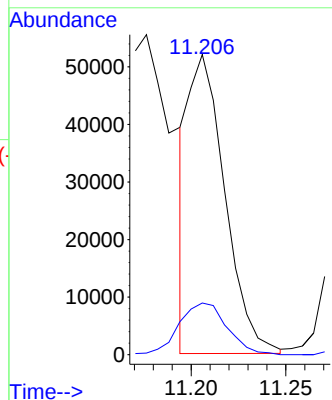
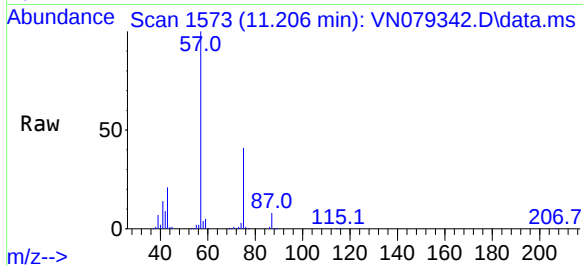




#59
2-Hexanone
Concen: 33.848 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

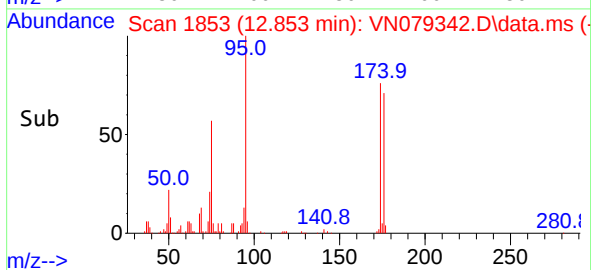
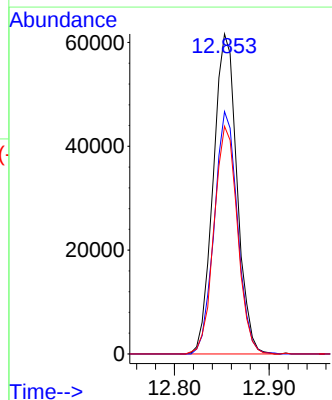
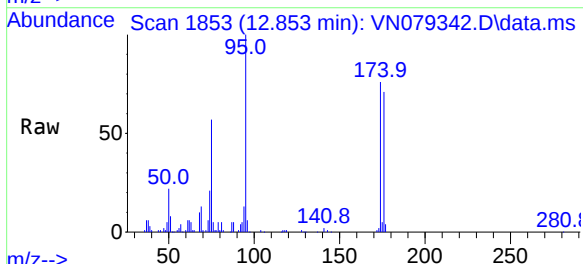
Instrument :
MSVOA_N
ClientSampleId :

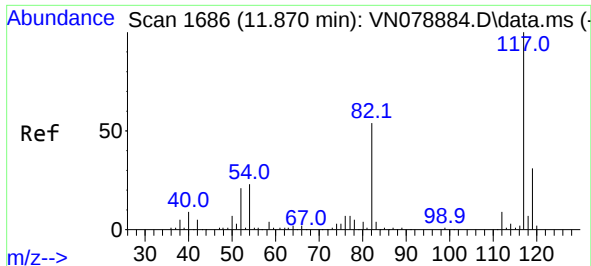
Tgt Ion: 43 Resp: 69630
Ion Ratio Lower Upper
43 100
58 22.9 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.941 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

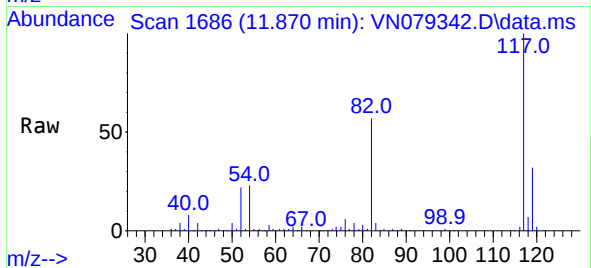
Tgt Ion: 95 Resp: 107233
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.8
176 70.3 0.0 135.8



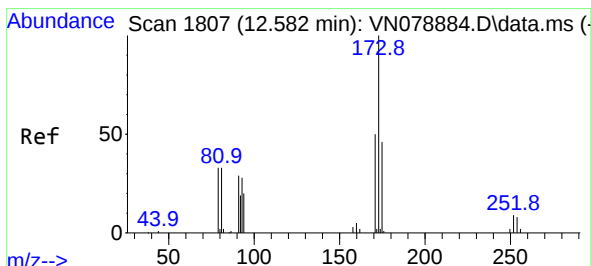
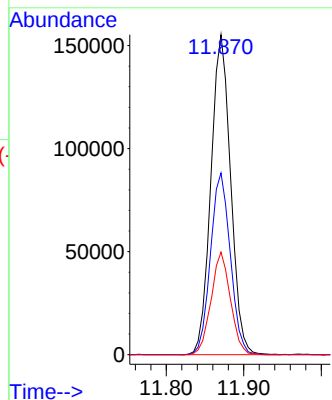
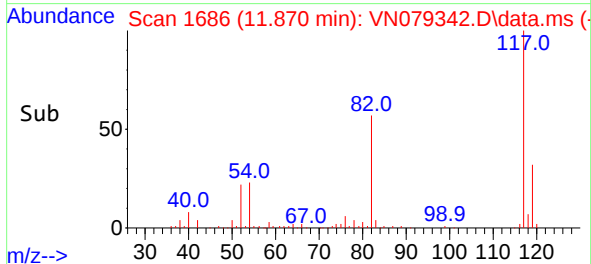


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Instrument :
MSVOA_N
ClientSampleId :

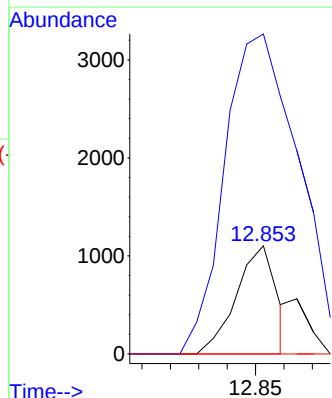
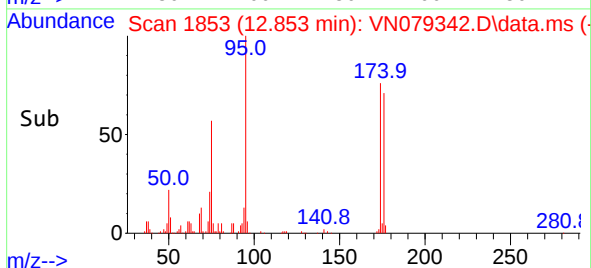
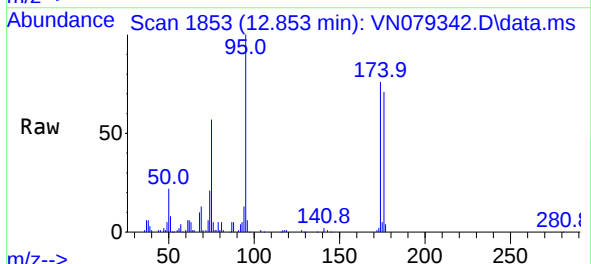


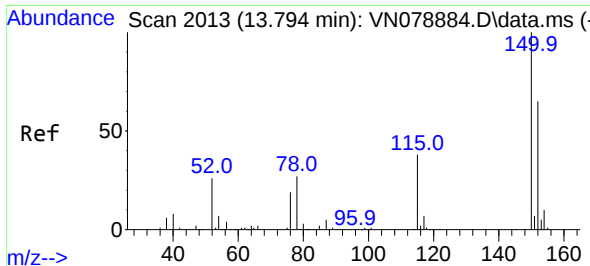
Tgt Ion:117 Resp: 274873
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 32.0 25.6 38.4



#71
Bromoform
Concen: 0.631 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Tgt Ion:173 Resp: 1087
Ion Ratio Lower Upper
173 100
175 414.6 24.3 73.0#
254 0.0 0.0 0.0

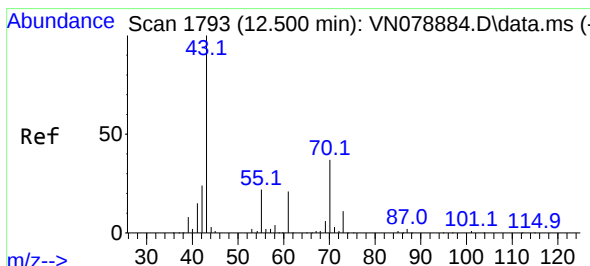
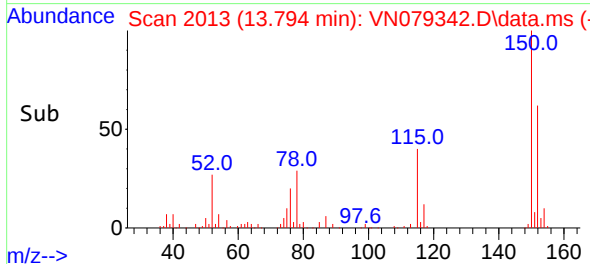
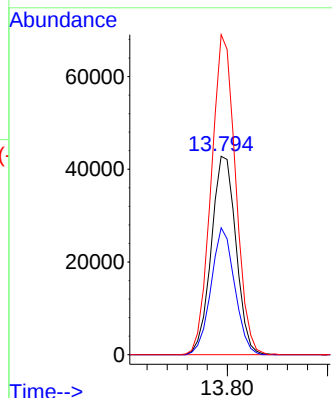
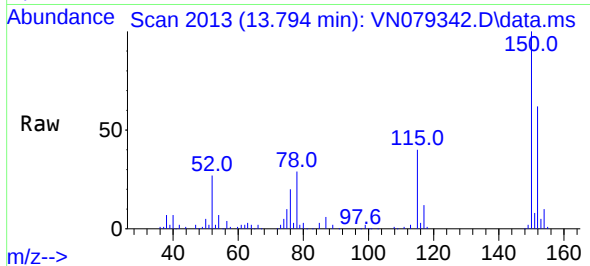




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

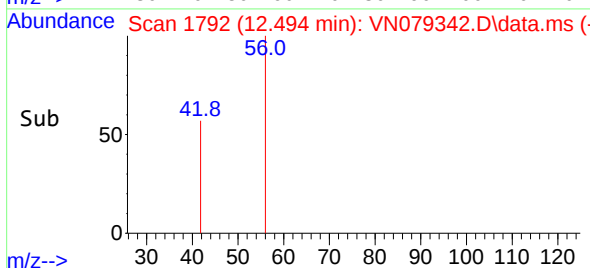
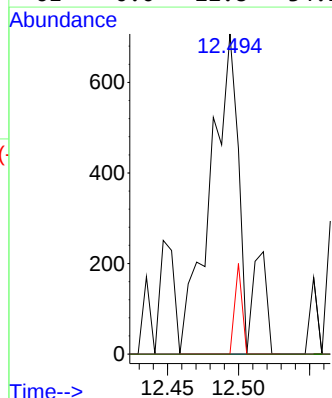
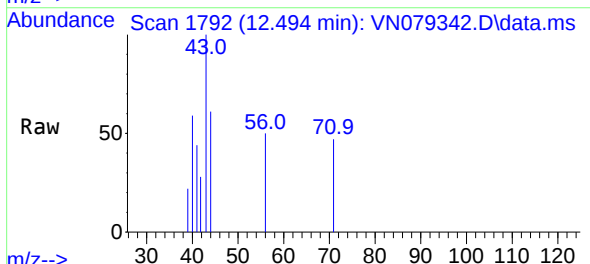
Instrument :
MSVOA_N
ClientSampleId :

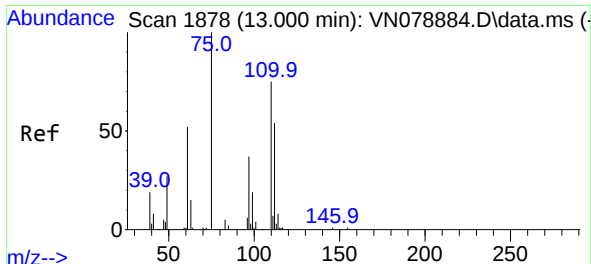
Tgt Ion:152 Resp: 73140
Ion Ratio Lower Upper
152 100
115 61.1 32.3 96.8
150 159.3 0.0 355.8



#74
N-ethyl acetate
Concen: 0.437 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Tgt Ion: 43 Resp: 1104
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 6.4 21.4 32.0#
61 0.0 22.8 34.2#

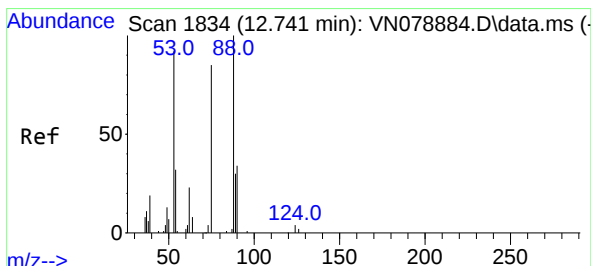
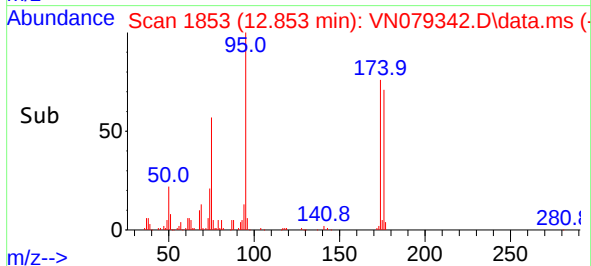
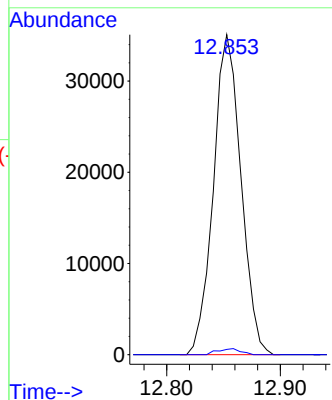
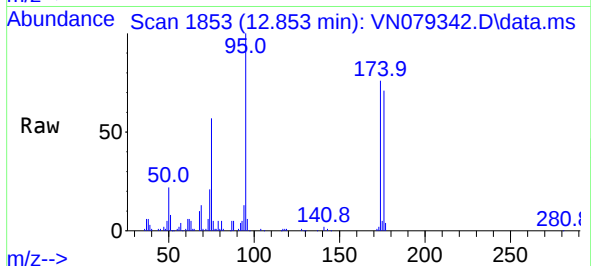




#76
1,2,3-Trichloropropane
Concen: 30.003 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

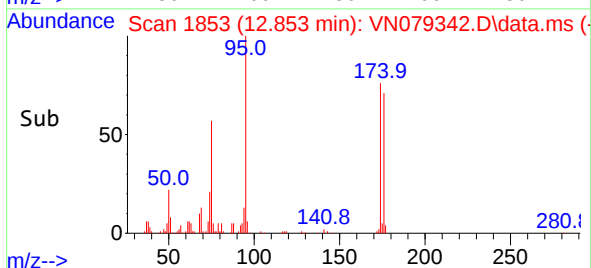
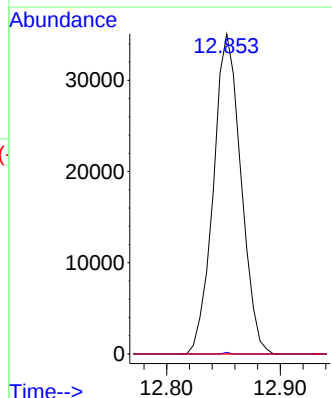
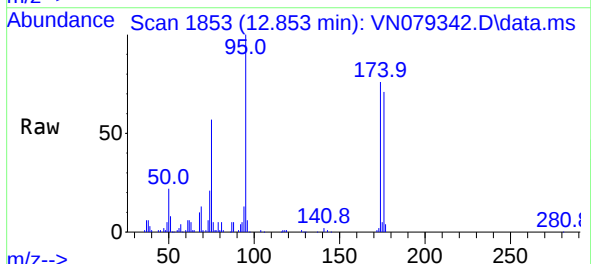
Instrument :
MSVOA_N
ClientSampleId :

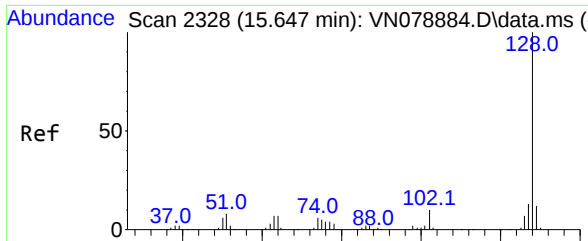
Tgt Ion: 75 Resp: 59143
Ion Ratio Lower Upper
75 100
77 1.6 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.485 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

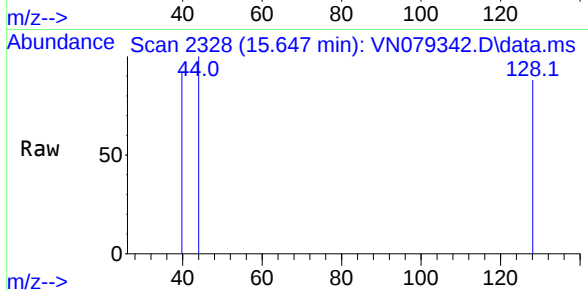
Tgt Ion: 75 Resp: 59143
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 0.330 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079342.D
Acq: 25 Sep 2023 13:44

Instrument :
MSVOA_N
ClientSampleId :



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

