

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110322\
 Data File : VN075159.D
 Acq On : 03 Nov 2022 21:13
 Operator : JC\MD
 Sample : N5418-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-M

Quant Time: Nov 04 04:12:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

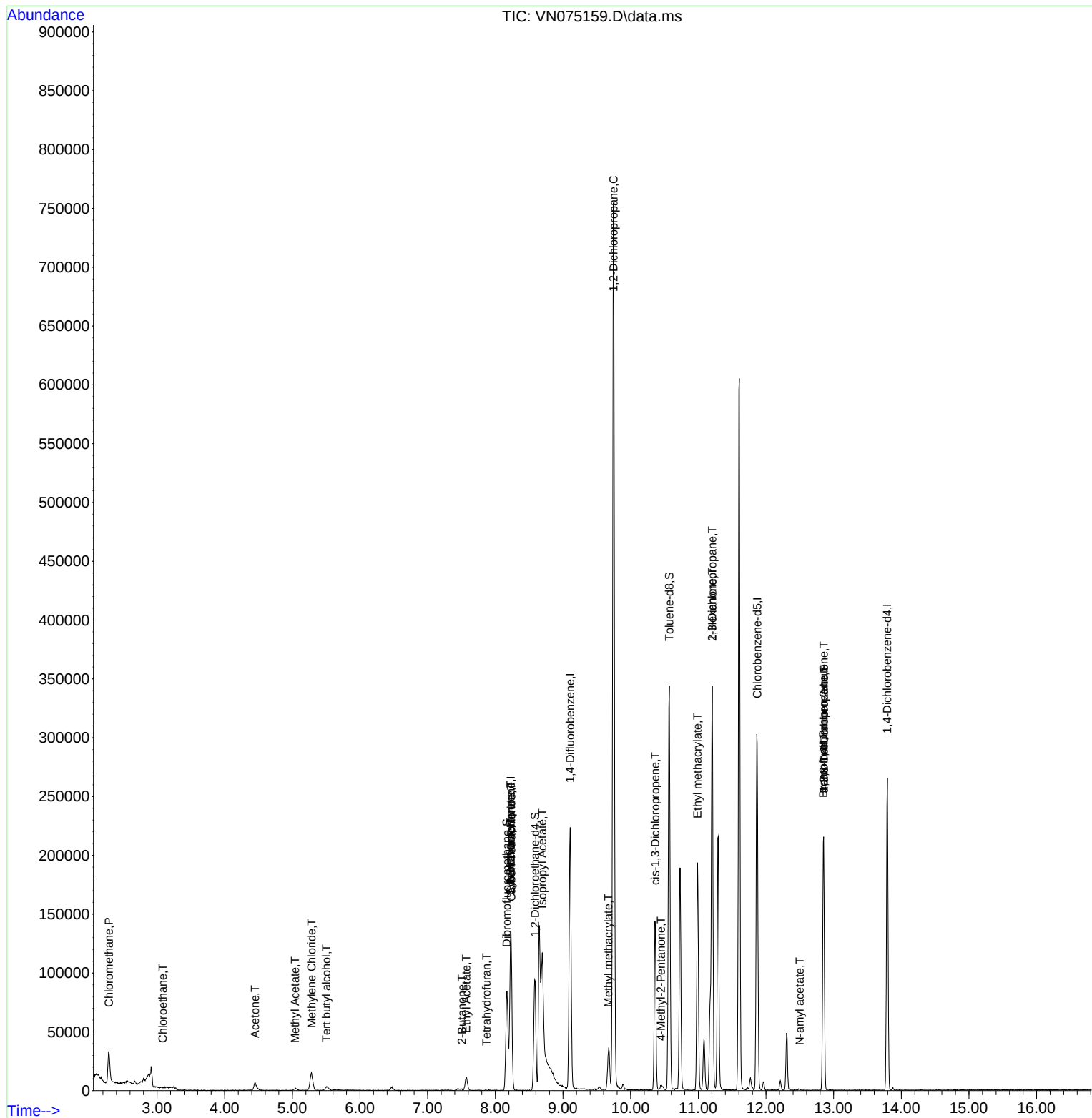
Internal Standards						
1) Pentafluorobenzene	8.229	168	93721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	193056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	176121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	68739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	79726	63.135	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 126.280%#	
35) Dibromofluoromethane	8.171	113	59439	52.446	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.900%	
50) Toluene-d8	10.570	98	237708	54.061	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.120%	
62) 4-Bromofluorobenzene	12.853	95	74479	48.219	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.289	50	823	0.636	ug/l	# 42
5) Bromomethane	2.918	94	128	Below Cal	#	56
6) Chloroethane	3.083	64	452	0.341	ug/l	# 45
11) Tert butyl alcohol	5.500	59	1329	4.513	ug/l	# 72
16) Acetone	4.447	43	12915	24.154	ug/l	# 97
18) Methyl Acetate	5.041	43	4309	2.467	ug/l	# 76
20) Methylene Chloride	5.283	84	11697	9.811	ug/l	# 94
25) 2-Butanone	7.506	43	1881	2.237	ug/l	# 91
29) Tetrahydrofuran	7.871	42	176	0.324	ug/l	# 26
31) Cyclohexane	8.224	56	2521	1.342	ug/l	# 32
36) 1,1-Dichloropropene	8.224	75	8728	4.974	ug/l	# 45
37) Ethyl Acetate	7.571	43	16763	8.712	ug/l	# 89
38) Carbon Tetrachloride	8.235	117	10602	5.493	ug/l	# 19
43) Isopropyl Acetate	8.694	43	127297	42.649	ug/l	# 78
45) 1,2-Dichloropropane	9.747	63	949	0.742	ug/l	# 42
48) Methyl methacrylate	9.671	41	2212	1.616	ug/l	# 36
51) 4-Methyl-2-Pentanone	10.447	43	6324	3.283	ug/l	# 62
54) cis-1,3-Dichloropropene	10.365	75	26247	12.154	ug/l	# 66
56) Ethyl methacrylate	10.988	69	561	0.258	ug/l	# 1
57) 1,3-Dichloropropane	11.206	76	3923	1.654	ug/l	# 42
59) 2-Hexanone	11.206	43	36929	25.262	ug/l	# 55
71) Bromoform	12.847	173	543	0.520	ug/l	# 1
74) N-amyl acetate	12.500	43	923	0.452	ug/l	# 38
76) 1,2,3-Trichloropropane	12.853	75	41642	28.531	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	41642	73.240	ug/l	# 10

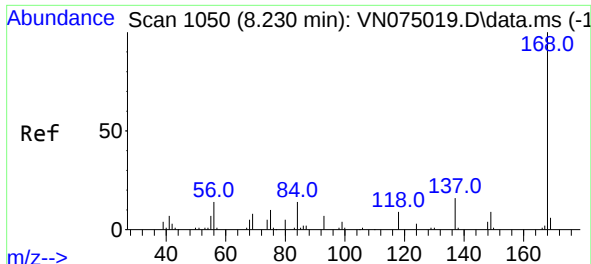
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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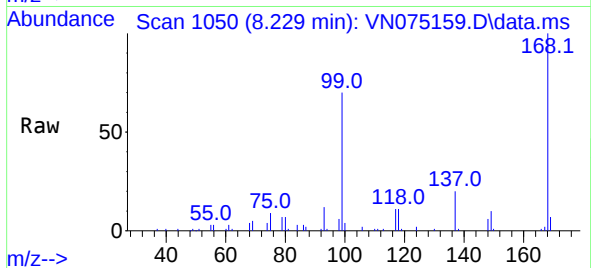
Quant Time: Nov 04 04:12:53 2022
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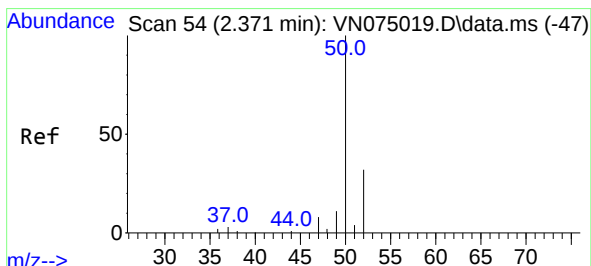
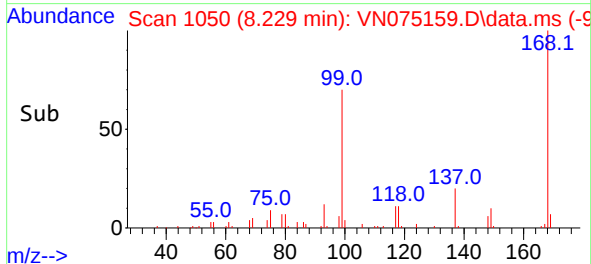
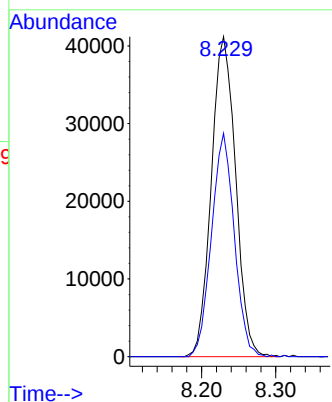


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Instrument :
MSVOA_N
ClientSampleId :
TP-M

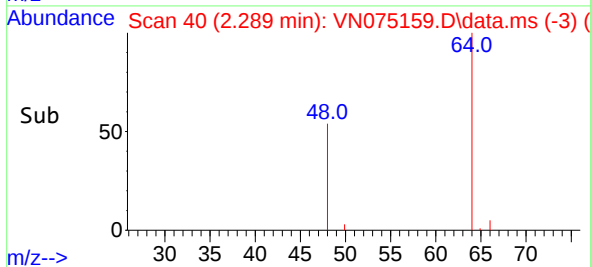
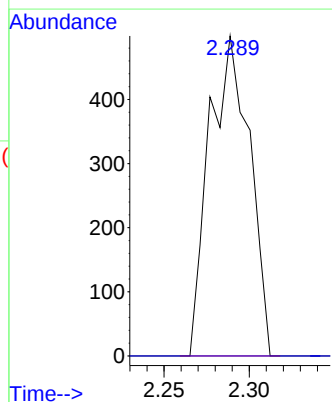
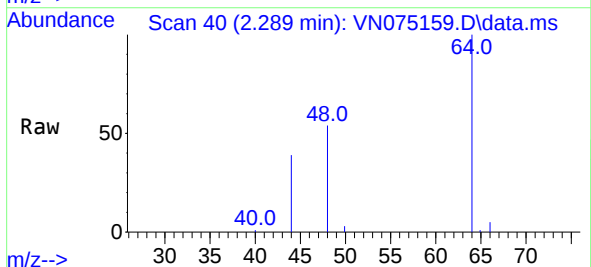


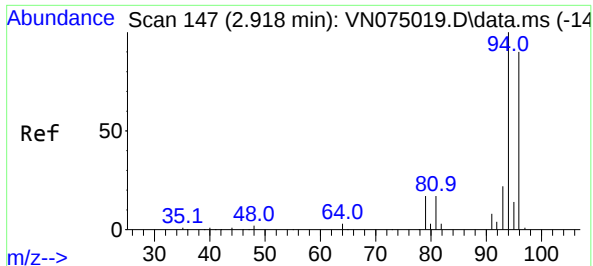
Tgt Ion:168 Resp: 93721
Ion Ratio Lower Upper
168 100
99 69.8 51.6 77.4



#3
Chloromethane
Concen: 0.636 ug/l
RT: 2.289 min Scan# 40
Delta R.T. -0.082 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Tgt Ion: 50 Resp: 823
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

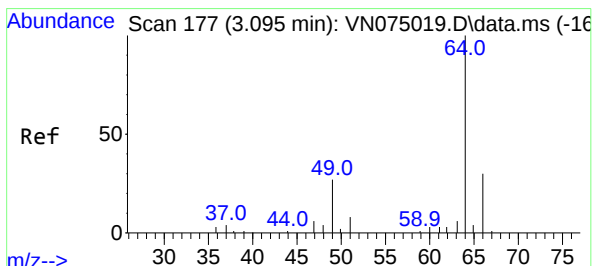
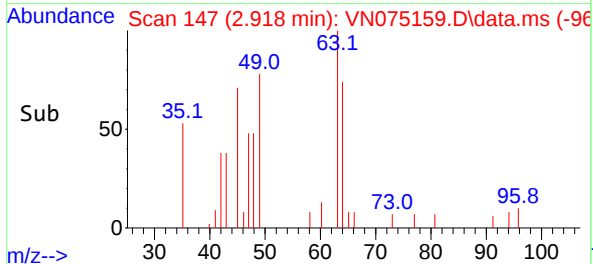
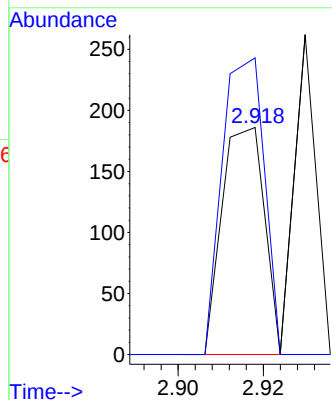
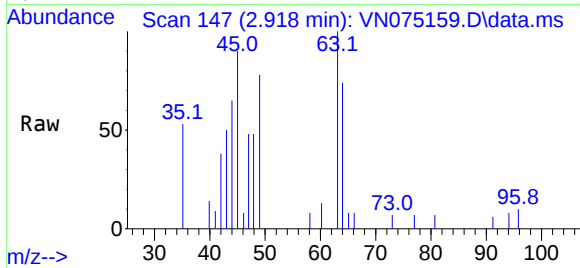




#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

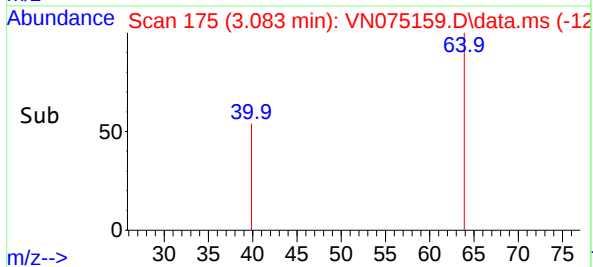
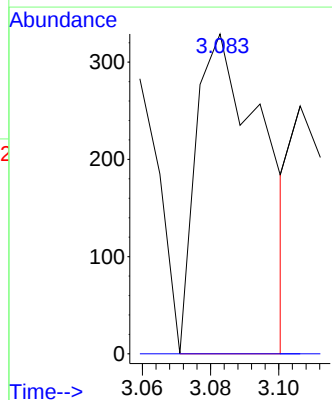
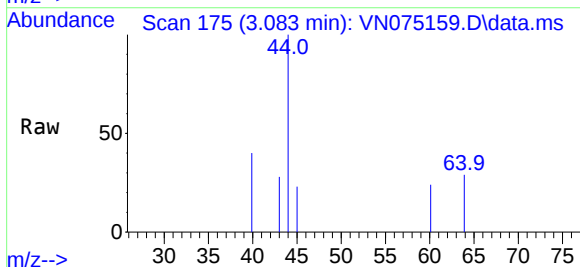
Instrument :
MSVOA_N
ClientSampleId :
TP-M

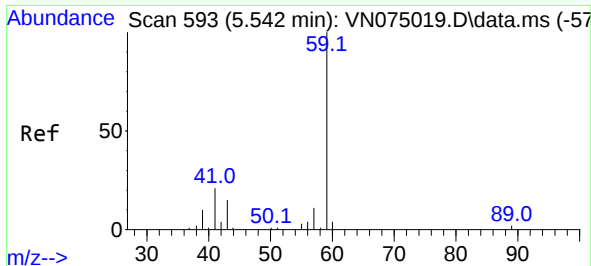
Tgt Ion: 94 Resp: 128
Ion Ratio Lower Upper
94 100
96 130.6 71.8 107.6#



#6
Chloroethane
Concen: 0.341 ug/l
RT: 3.083 min Scan# 175
Delta R.T. -0.012 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Tgt Ion: 64 Resp: 452
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#





#11

Tert butyl alcohol

Concen: 4.513 ug/l

RT: 5.500 min Scan# 51

Delta R.T. -0.042 min

Lab File: VN075159.D

Acq: 03 Nov 2022 21:13

Instrument :

MSVOA_N

ClientSampleId :

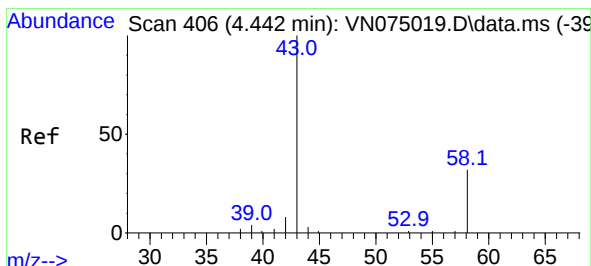
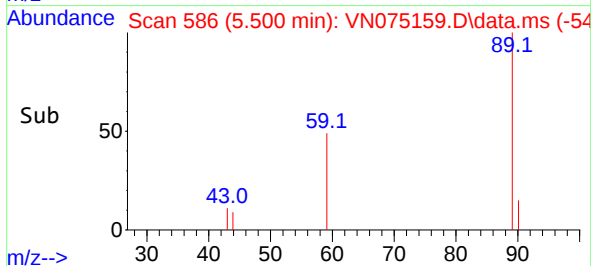
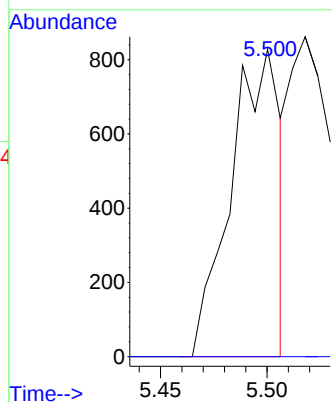
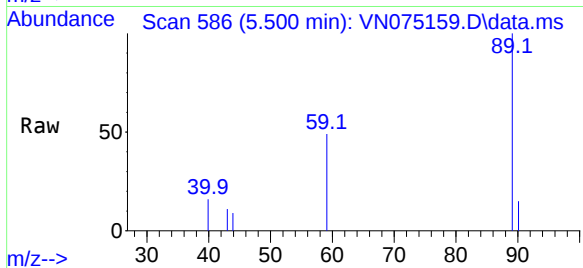
TP-M

Tgt Ion: 59 Resp: 1329

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 24.154 ug/l

RT: 4.447 min Scan# 407

Delta R.T. 0.005 min

Lab File: VN075159.D

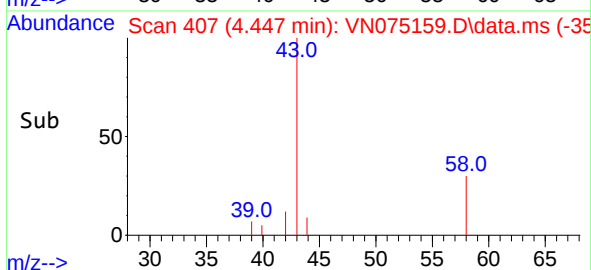
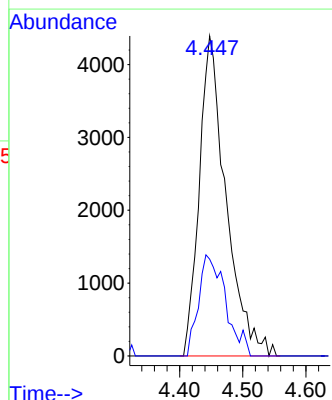
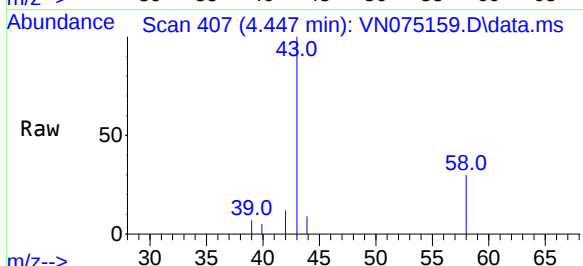
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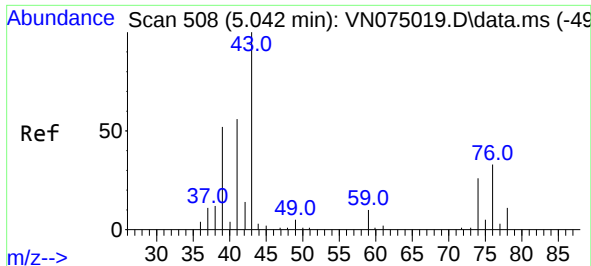
Tgt Ion: 43 Resp: 12915

Ion Ratio Lower Upper

43 100

58 30.3 25.5 38.3

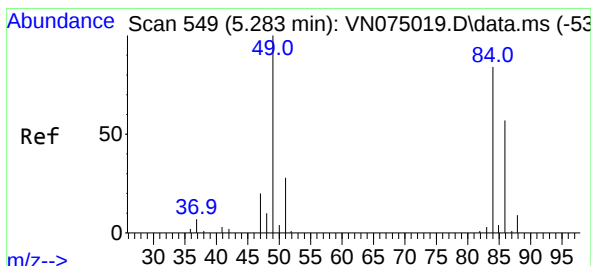
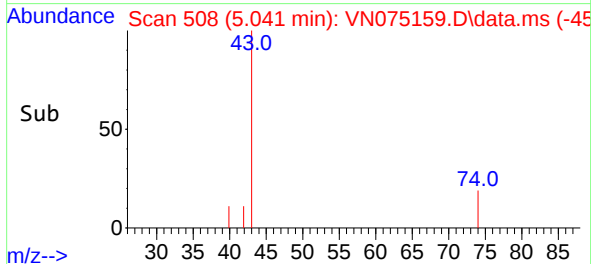
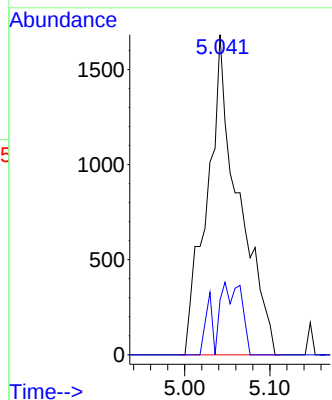
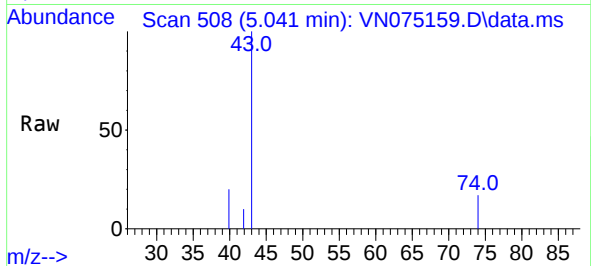




#18
Methyl Acetate
Concen: 2.467 ug/l
RT: 5.041 min Scan# 508
Delta R.T. -0.001 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

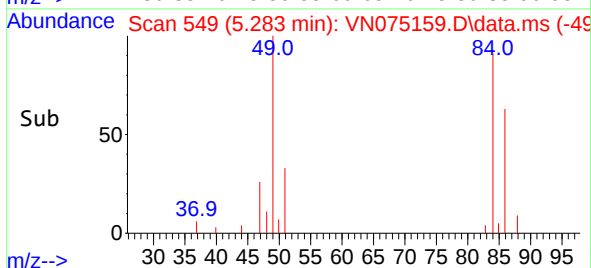
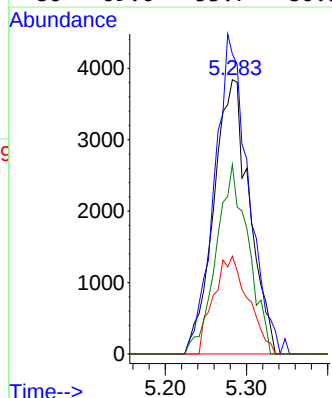
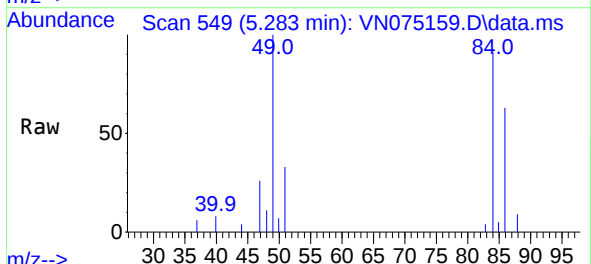
Instrument :
MSVOA_N
ClientSampleId :
TP-M

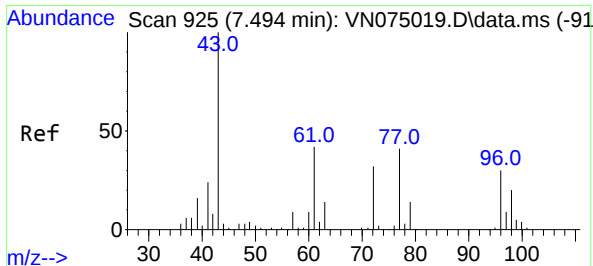
Tgt Ion: 43 Resp: 4309
Ion Ratio Lower Upper
43 100
74 14.9 22.0 33.0#



#20
Methylene Chloride
Concen: 9.811 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Tgt Ion: 84 Resp: 11697
Ion Ratio Lower Upper
84 100
49 109.3 94.9 142.3
51 35.6 26.8 40.2
86 69.0 53.7 80.5

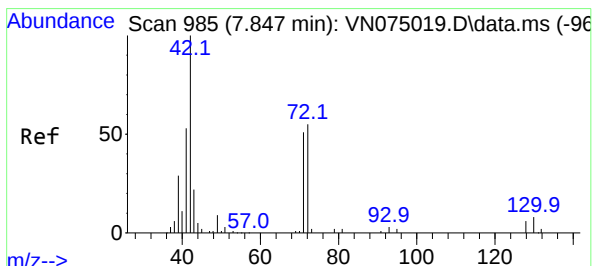
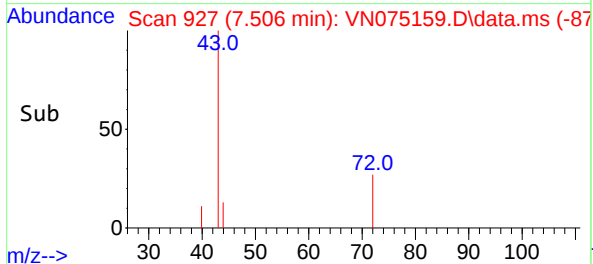
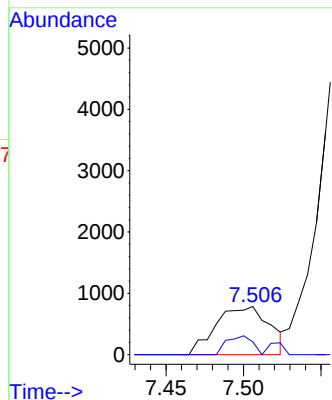
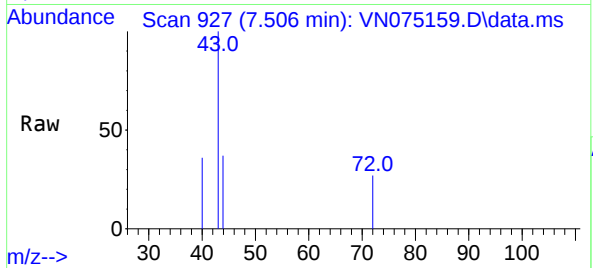




#25
2-Butanone
Concen: 2.237 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

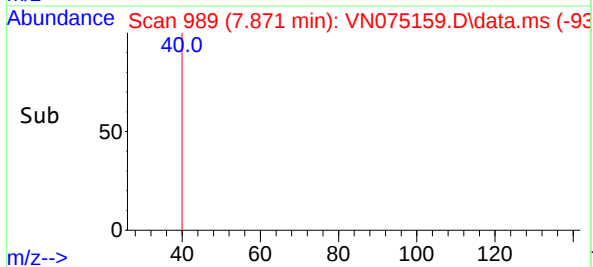
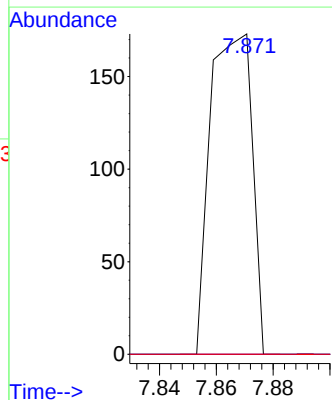
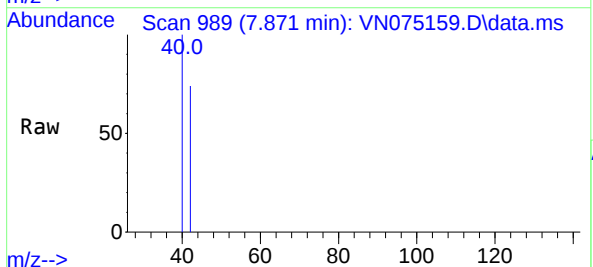
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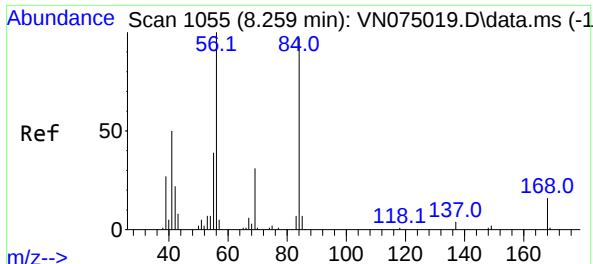
Tgt Ion: 43 Resp: 1881
Ion Ratio Lower Upper
43 100
72 26.6 25.5 38.3



#29
Tetrahydrofuran
Concen: 0.324 ug/l
RT: 7.871 min Scan# 989
Delta R.T. 0.024 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

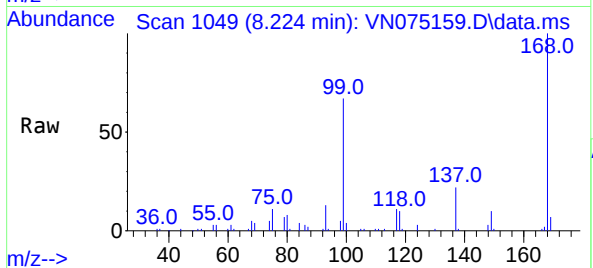
Tgt Ion: 42 Resp: 176
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



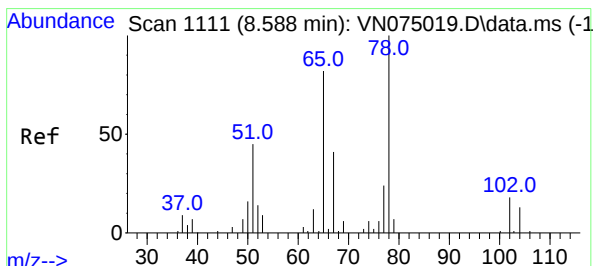
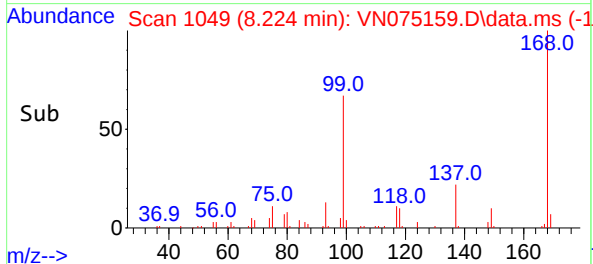
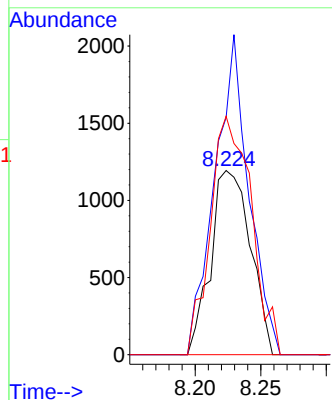


#31
Cyclohexane
Concen: 1.342 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

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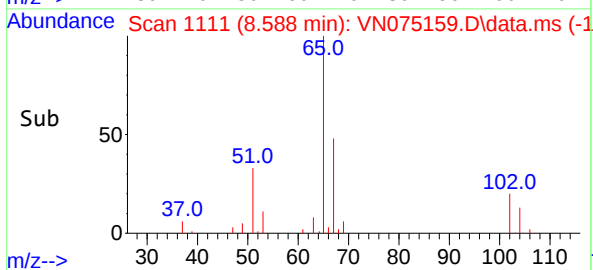
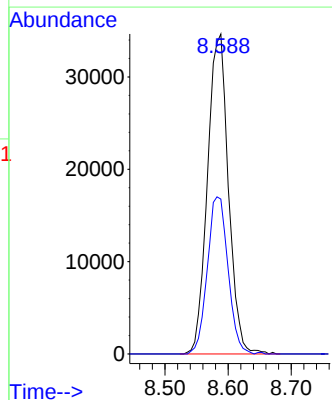
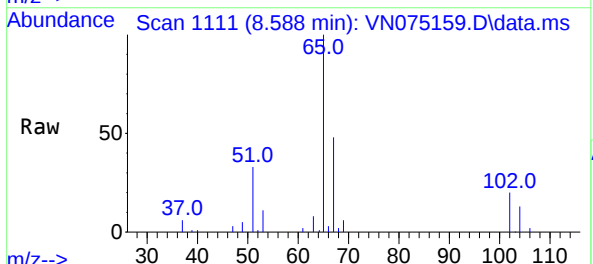


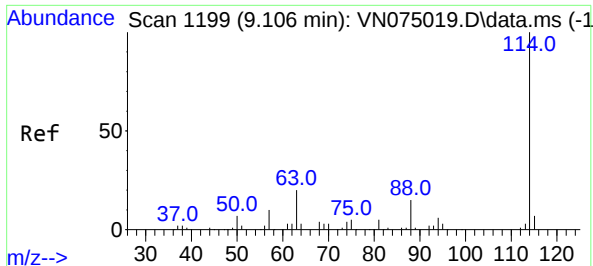
Tgt Ion: 56 Resp: 2521
Ion Ratio Lower Upper
56 100
69 128.7 25.2 37.8#
84 129.4 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 63.135 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Tgt Ion: 65 Resp: 79726
Ion Ratio Lower Upper
65 100
67 48.5 0.0 102.0

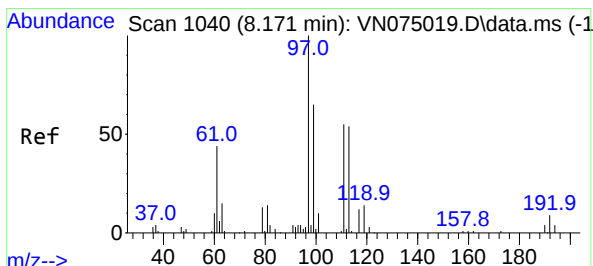
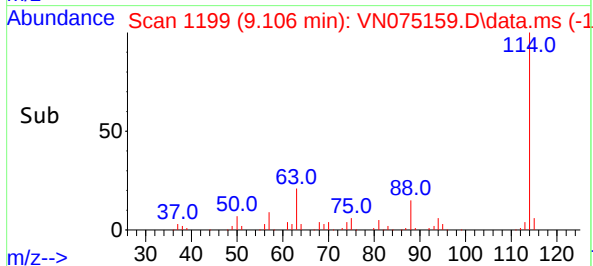
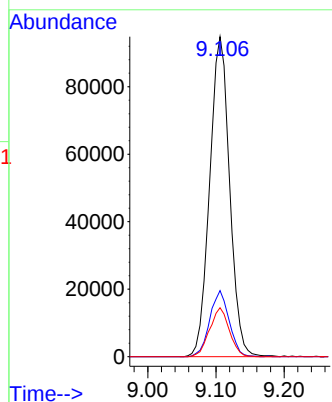
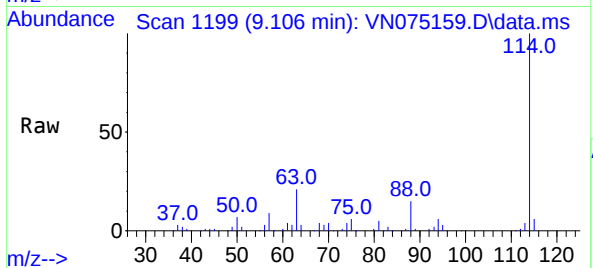




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

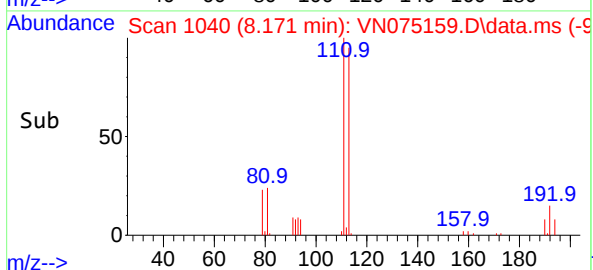
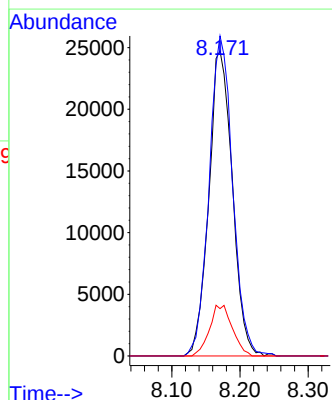
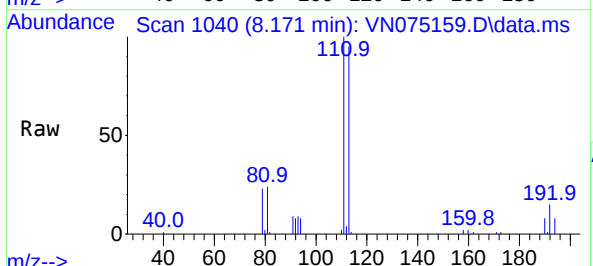
Instrument :
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TP-M

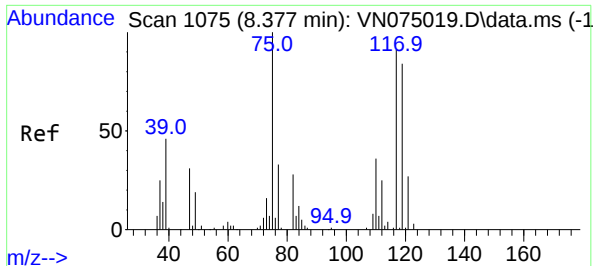
Tgt Ion:114 Resp: 193056
Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.6
88 15.3 0.0 29.0



#35
Dibromofluoromethane
Concen: 52.446 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Tgt Ion:113 Resp: 59439
Ion Ratio Lower Upper
113 100
111 105.0 80.5 120.7
192 16.1 13.2 19.8

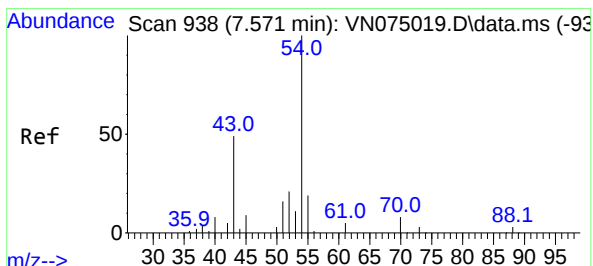
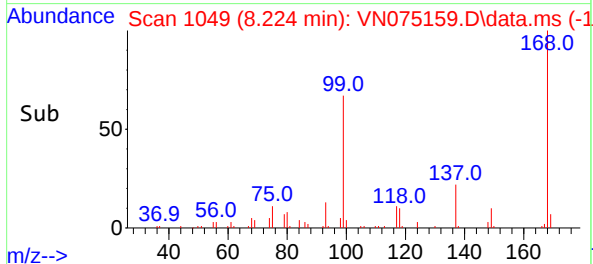
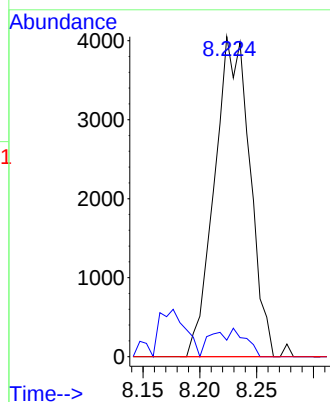
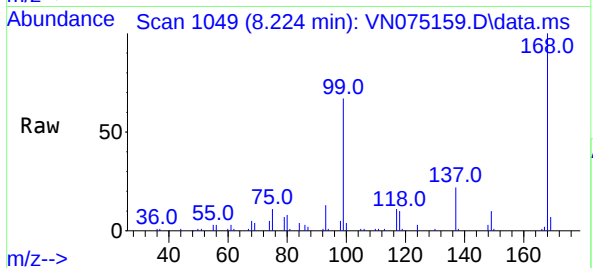




#36
1,1-Dichloropropene
Concen: 4.974 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

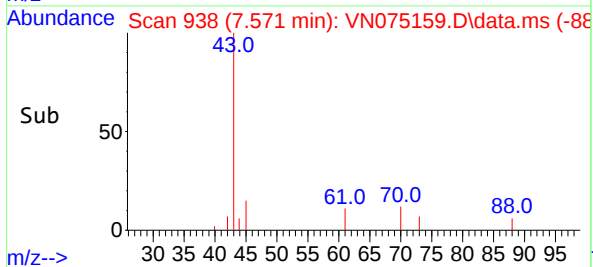
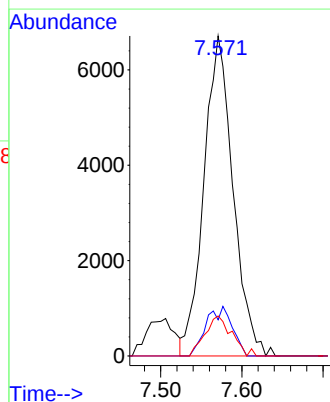
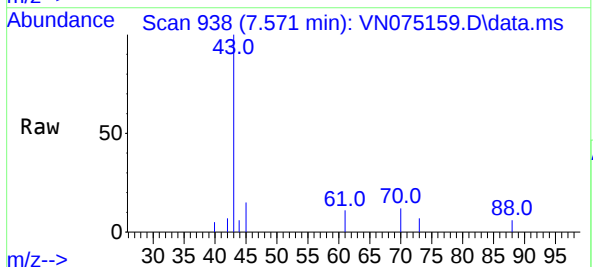
Instrument :
MSVOA_N
ClientSampleId :
TP-M

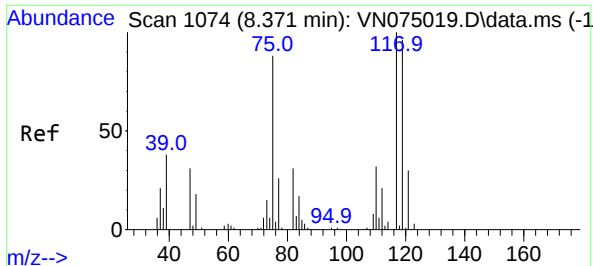
Tgt Ion: 75 Resp: 8728
Ion Ratio Lower Upper
75 100
110 4.3 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 8.712 ug/l
RT: 7.571 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Tgt Ion: 43 Resp: 16763
Ion Ratio Lower Upper
43 100
61 7.4 12.2 18.4#
70 11.4 9.4 14.2

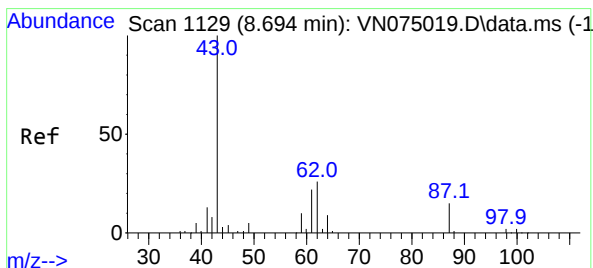
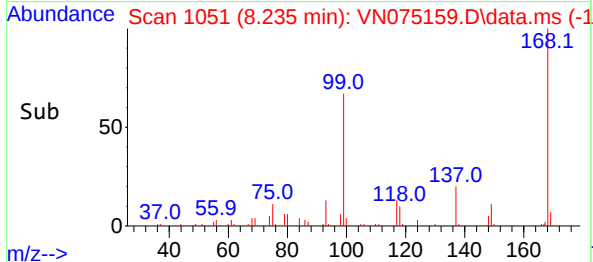
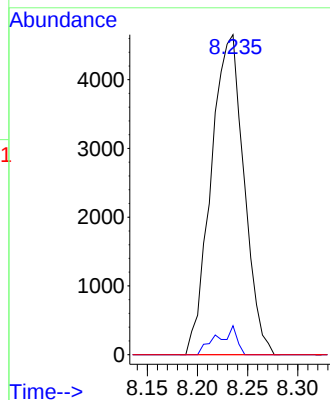
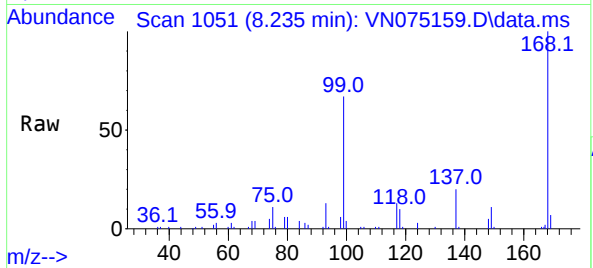




#38
Carbon Tetrachloride
Concen: 5.493 ug/l
RT: 8.235 min Scan# 1074
Delta R.T. -0.136 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

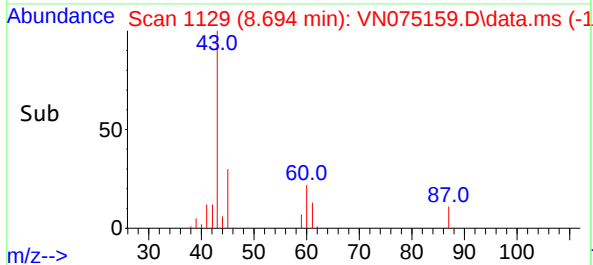
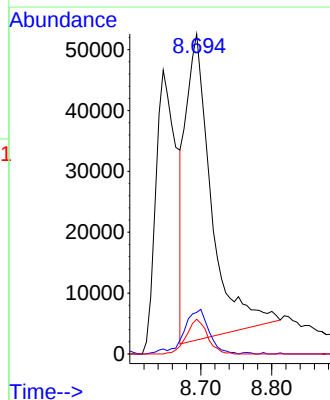
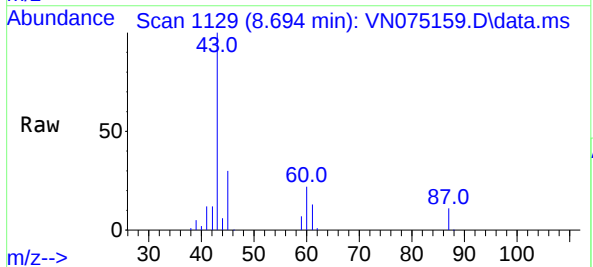
Instrument :
MSVOA_N
ClientSampleId :
TP-M

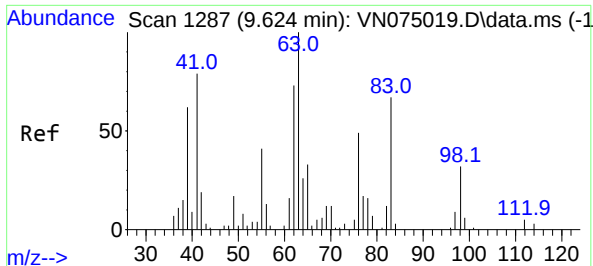
Tgt Ion:117 Resp: 10602
Ion Ratio Lower Upper
117 100
119 9.0 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 42.649 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Tgt Ion: 43 Resp: 127297
Ion Ratio Lower Upper
43 100
61 14.1 22.4 33.6#
87 9.2 12.5 18.7#

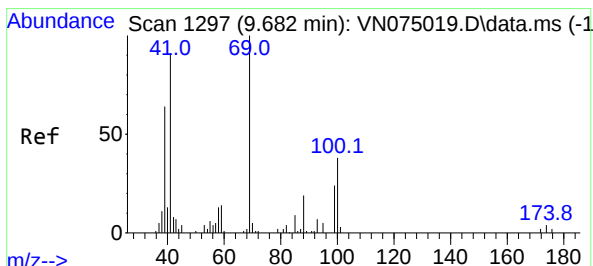
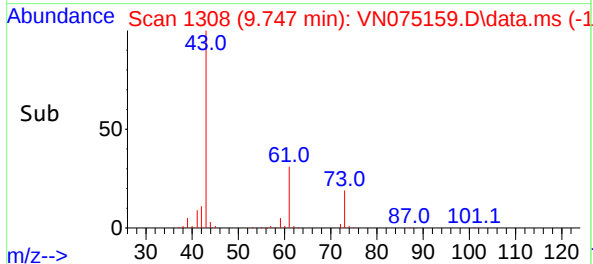
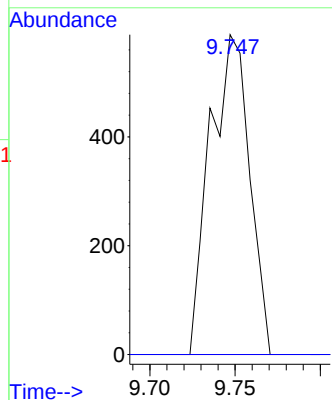
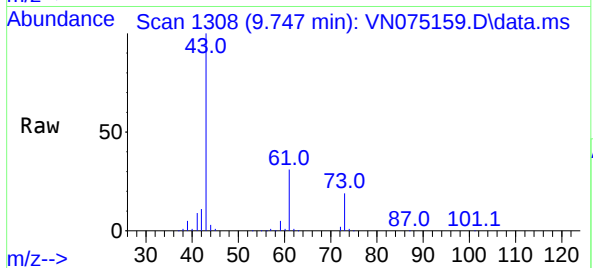




#45
1,2-Dichloropropane
Concen: 0.742 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

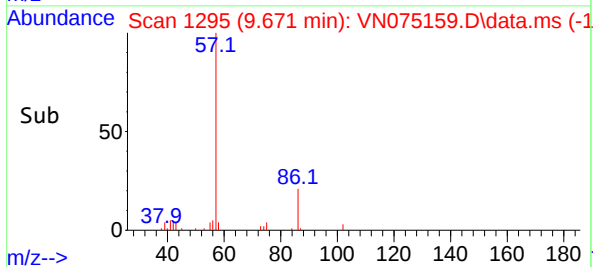
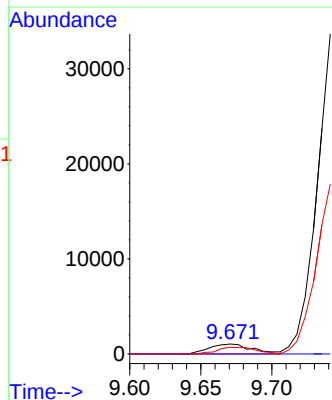
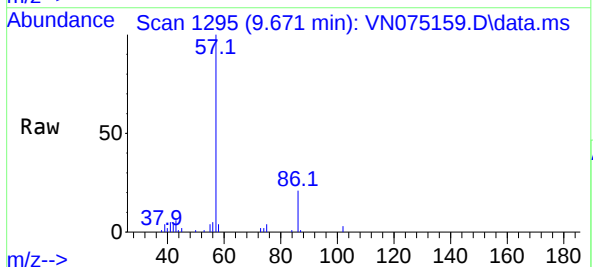
Instrument :
MSVOA_N
ClientSampleId :
TP-M

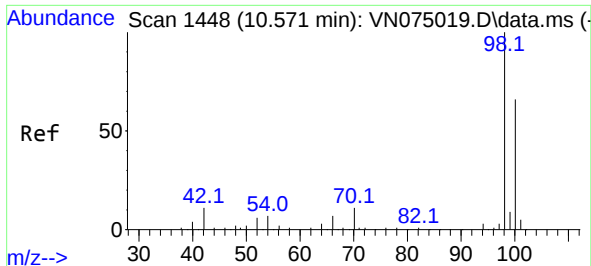
Tgt Ion: 63 Resp: 949
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 1.616 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.011 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Tgt Ion: 41 Resp: 2212
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 60.3 56.2 84.2

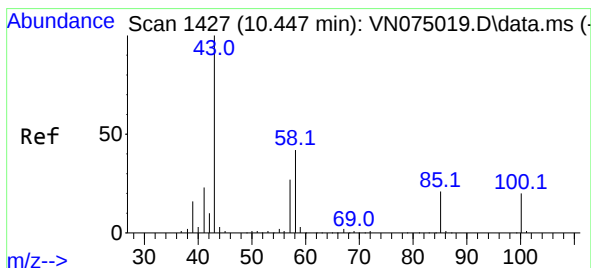
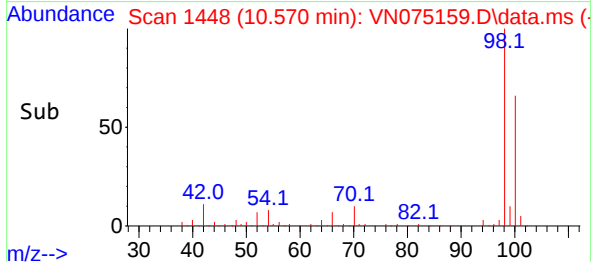
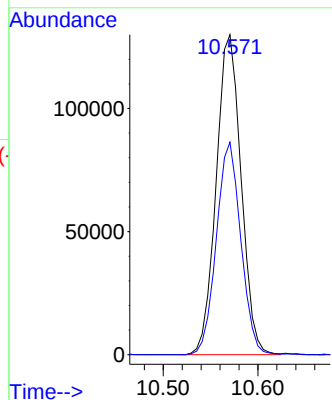
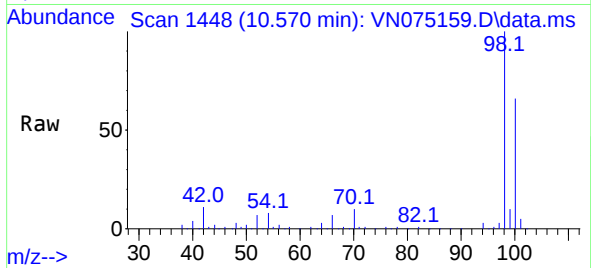




#50
Toluene-d8
Concen: 54.061 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

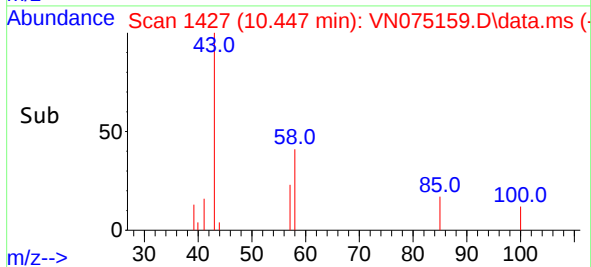
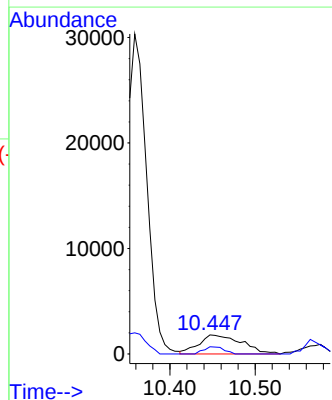
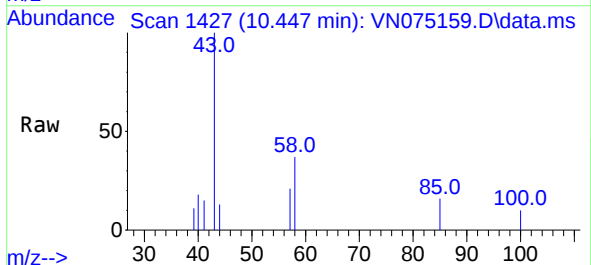
Instrument :
MSVOA_N
ClientSampleId :
TP-M

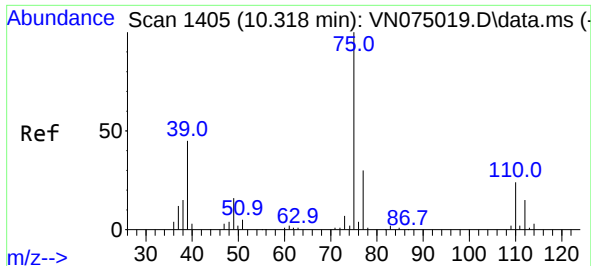
Tgt Ion: 98 Resp: 237708
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 3.283 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Tgt Ion: 43 Resp: 6324
Ion Ratio Lower Upper
43 100
58 17.7 33.6 50.4#

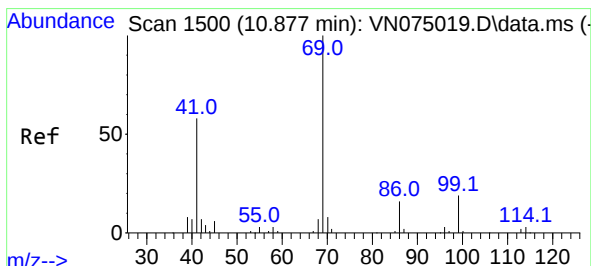
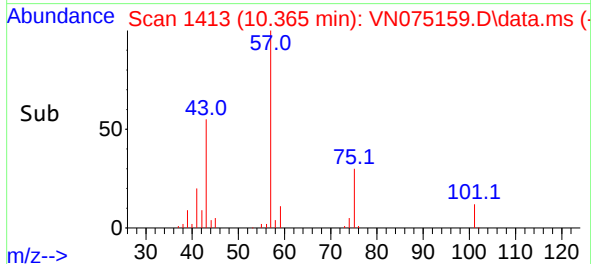
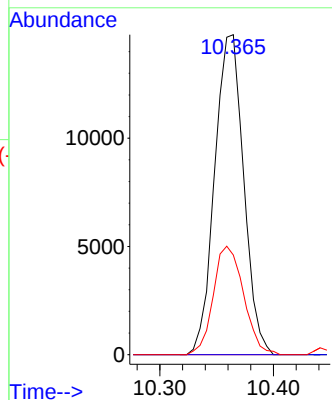
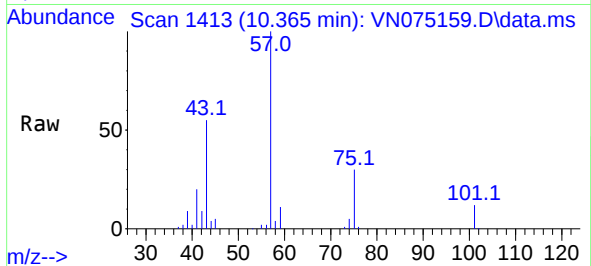




#54
cis-1,3-Dichloropropene
Concen: 12.154 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

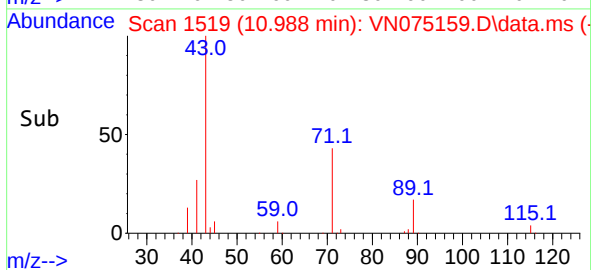
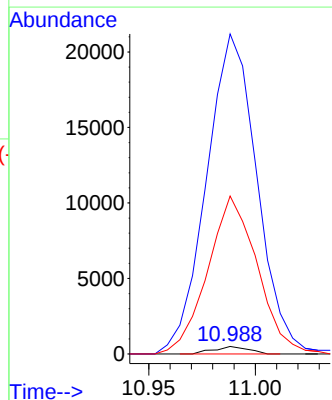
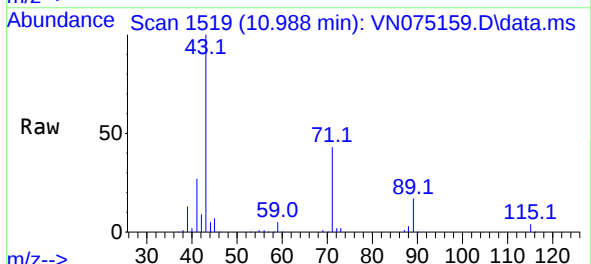
Instrument :
MSVOA_N
ClientSampleId :
TP-M

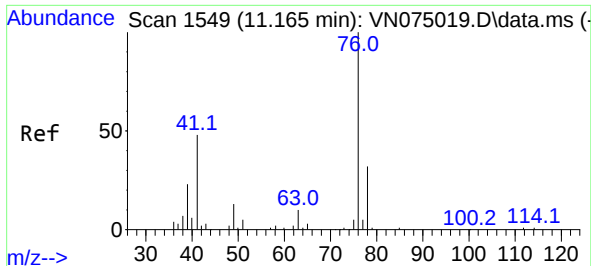
Tgt Ion: 75 Resp: 26247
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 31.1 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.258 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.111 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Tgt Ion: 69 Resp: 561
Ion Ratio Lower Upper
69 100
41 6267.4 45.6 68.4#
39 3025.1 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.654 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN075159.D

Acq: 03 Nov 2022 21:13

Instrument :

MSVOA_N

ClientSampleId :

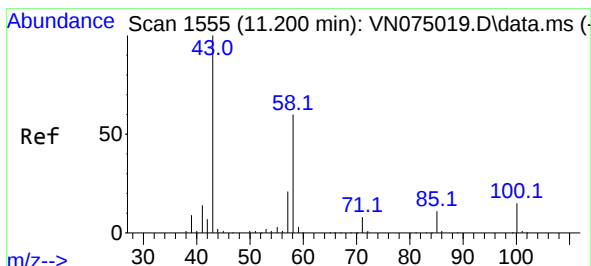
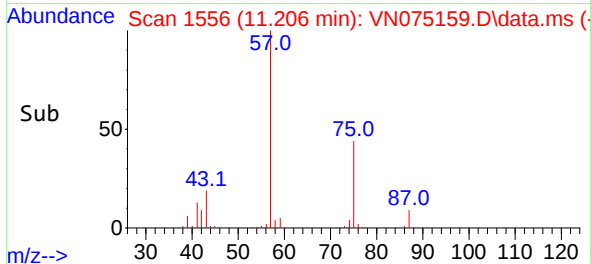
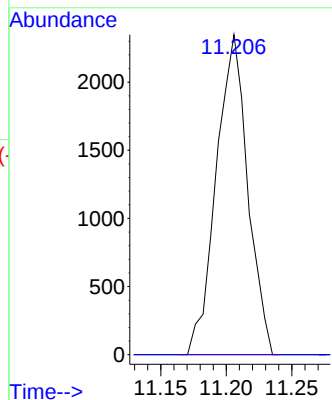
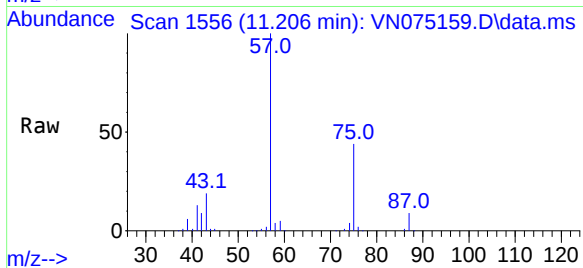
TP-M

Tgt Ion: 76 Resp: 3923

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 25.262 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN075159.D

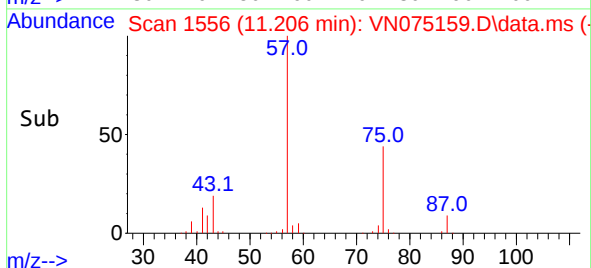
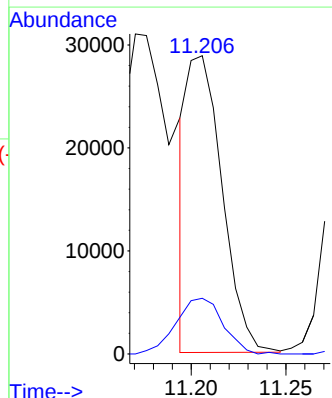
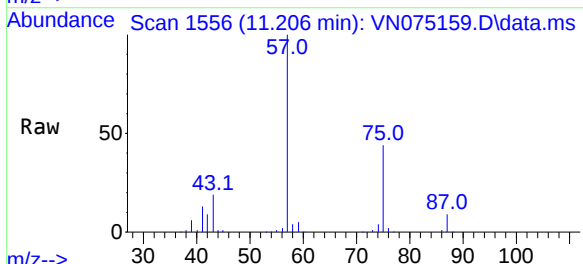
Acq: 03 Nov 2022 21:13

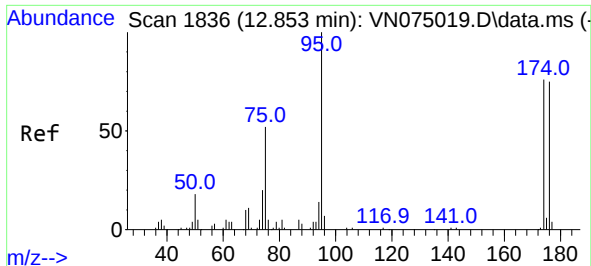
Tgt Ion: 43 Resp: 36929

Ion Ratio Lower Upper

43 100

58 25.4 29.6 88.8#

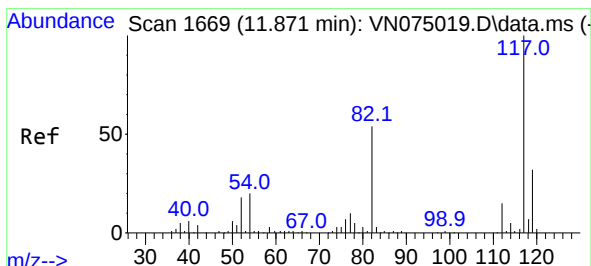
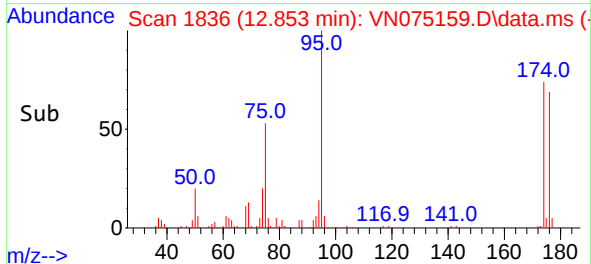
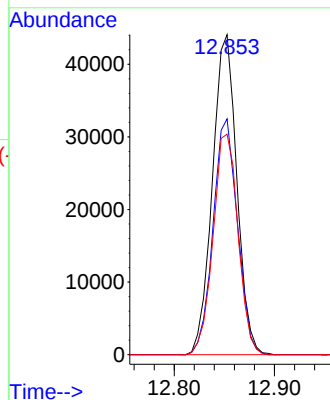
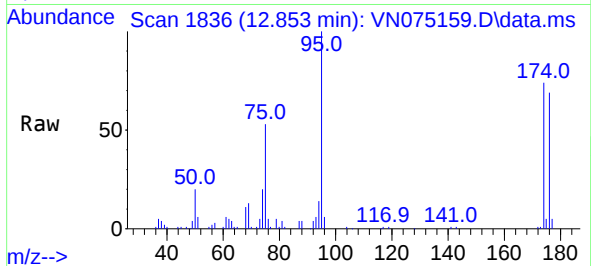




#62
4-Bromofluorobenzene
Concen: 48.219 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

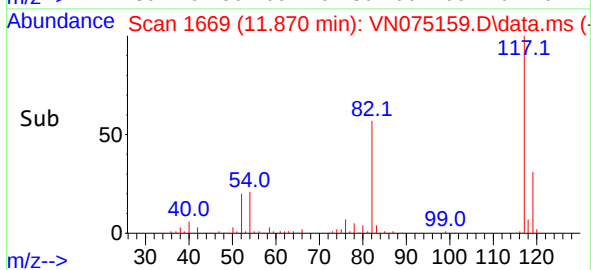
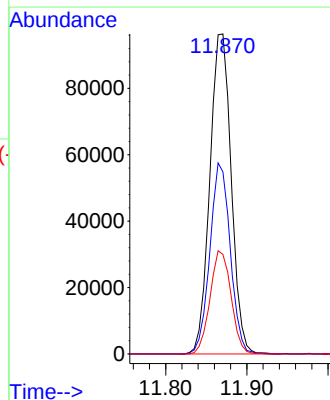
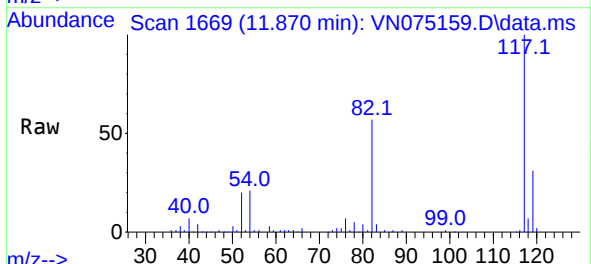
Instrument :
MSVOA_N
ClientSampleId :
TP-M

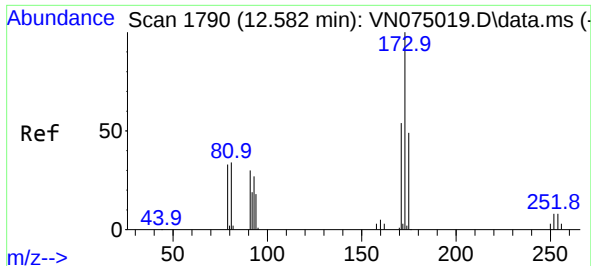
Tgt Ion: 95 Resp: 74479
Ion Ratio Lower Upper
95 100
174 73.9 0.0 147.4
176 70.4 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.001 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Tgt Ion: 117 Resp: 176121
Ion Ratio Lower Upper
117 100
82 56.9 43.1 64.7
119 31.1 25.5 38.3

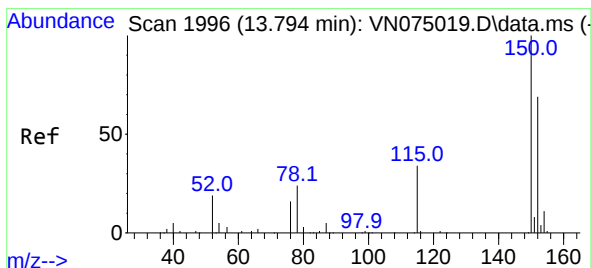
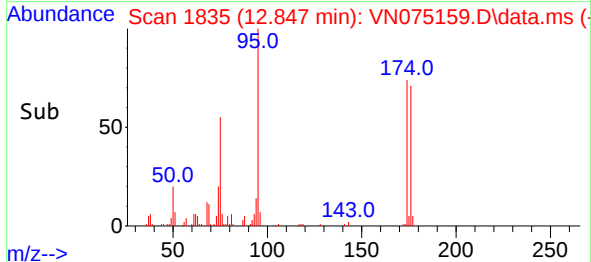
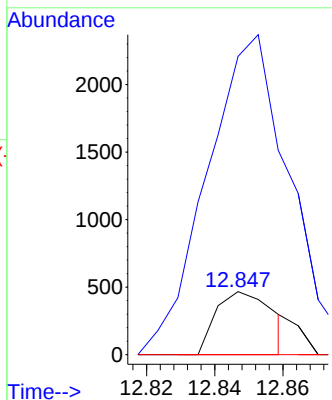
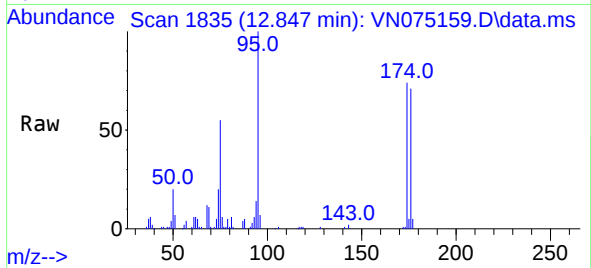




#71
Bromoform
Concen: 0.520 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

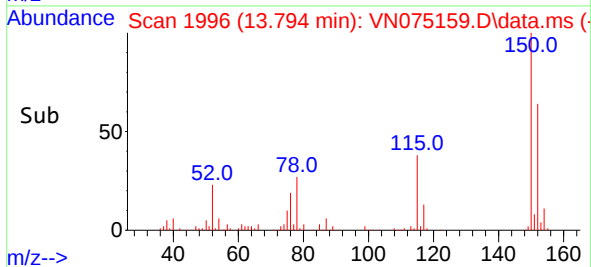
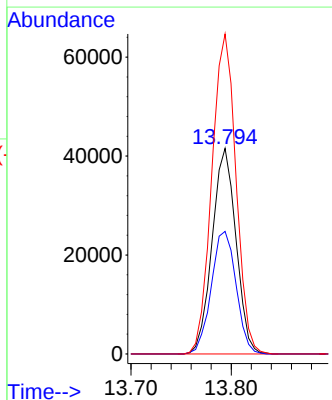
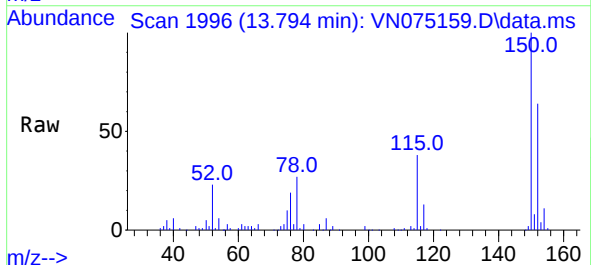
Instrument :
MSVOA_N
ClientSampleId :
TP-M

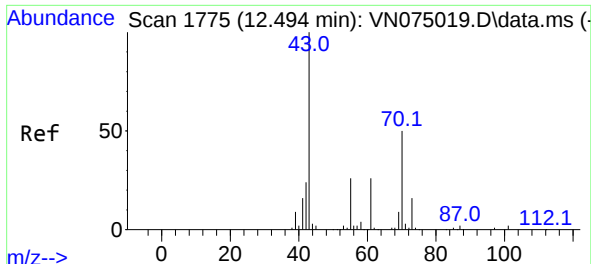
Tgt Ion:173 Resp: 543
Ion Ratio Lower Upper
173 100
175 614.2 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Tgt Ion:152 Resp: 68739
Ion Ratio Lower Upper
152 100
115 62.0 30.2 90.6
150 157.4 0.0 348.4



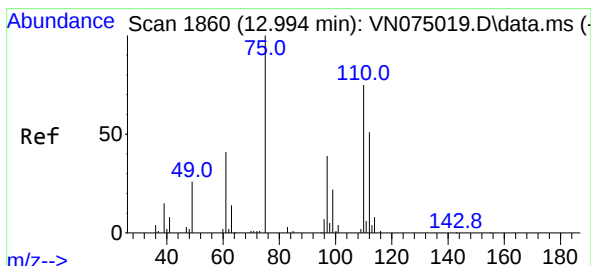
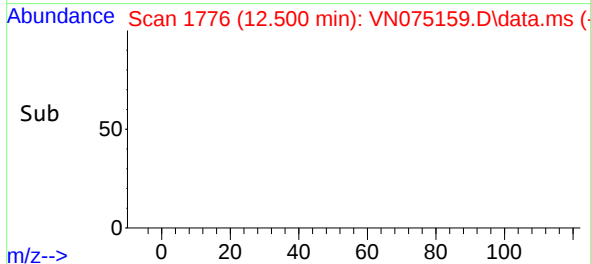
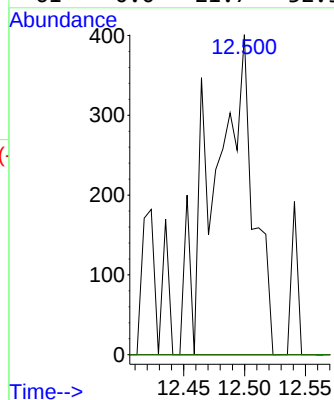
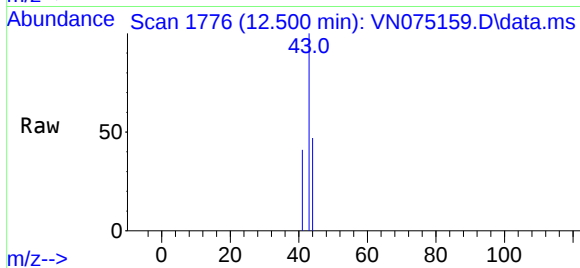


#74
N-amy1 acetate
Concen: 0.452 ug/l
RT: 12.500 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Instrument :
MSVOA_N
ClientSampleId :
TP-M

Tgt Ion: 43 Resp: 923

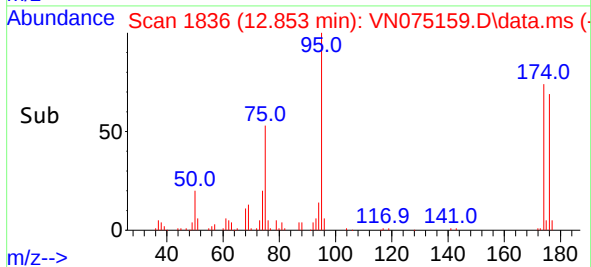
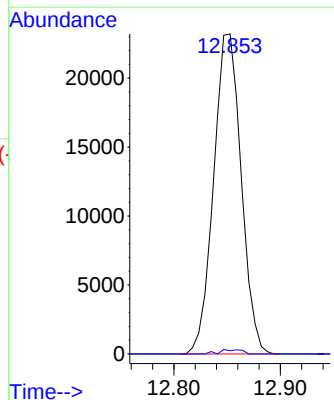
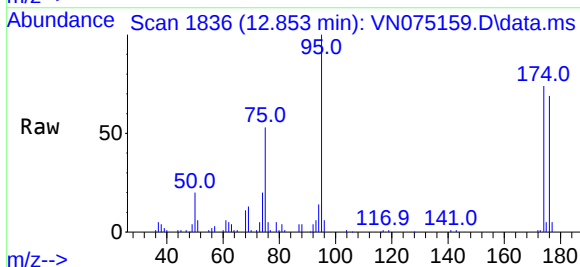
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.8	59.8#
55	0.0	19.9	29.9#
61	0.0	21.7	32.5#

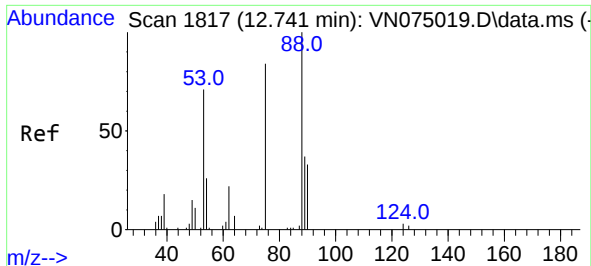


#76
1,2,3-Trichloropropane
Concen: 28.531 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075159.D
Acq: 03 Nov 2022 21:13

Tgt Ion: 75 Resp: 41642

Ion	Ratio	Lower	Upper
75	100		
77	1.1	75.6	226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.240 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075159.D
 Acq: 03 Nov 2022 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-M

Tgt Ion: 75 Resp: 41642
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

