

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013122\
 Data File : VN070861.D
 Acq On : 31 Jan 2022 19:06
 Operator : JC/MD
 Sample : N1325-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TES-1

Quant Time: Feb 01 05:02:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

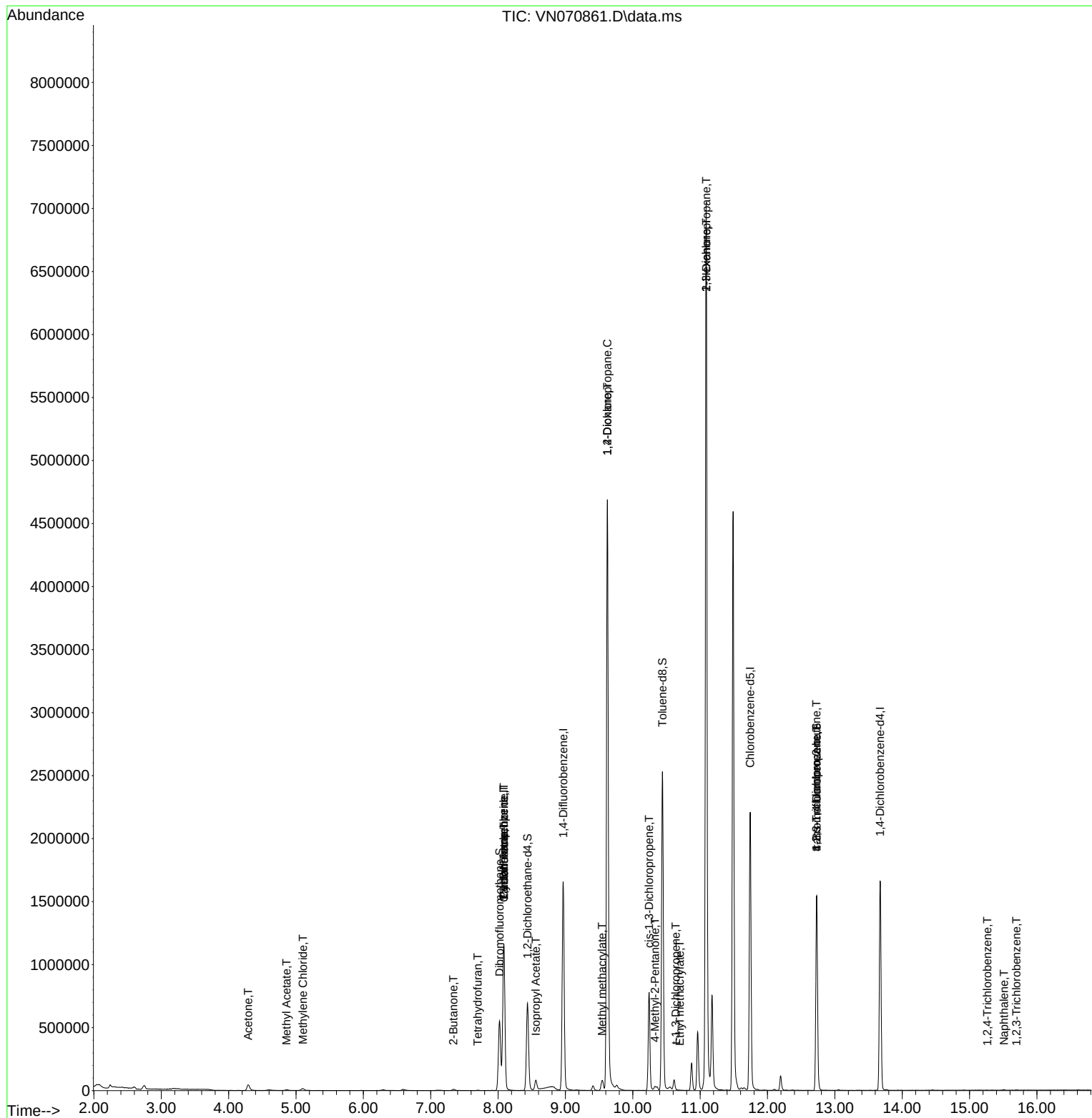
Internal Standards						
1) Pentafluorobenzene	8.086	168	879135	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	1416309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1274014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	452008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	601996	47.780	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.560%		
35) Dibromofluoromethane	8.021	113	408251	46.469	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.940%		
50) Toluene-d8	10.440	98	1769405	47.808	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.620%		
62) 4-Bromofluorobenzene	12.731	95	573191	43.461	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.920%		
Target Compounds						
					Qvalue	
16) Acetone	4.291	43	83910	9.595	ug/l	96
18) Methyl Acetate	4.857	43	6194	0.360	ug/l	# 82
20) Methylene Chloride	5.103	84	10752	0.933	ug/l	93
25) 2-Butanone	7.335	43	7065	0.642	ug/l	92
29) Tetrahydrofuran	7.697	42	1606	0.238	ug/l	# 49
30) Chloroform	7.817	83	56	Below Cal		# 18
31) Cyclohexane	8.086	56	19708	0.888	ug/l	# 5
36) 1,1-Dichloropropene	8.083	75	73408	4.963	ug/l	# 49
38) Carbon Tetrachloride	8.088	117	90368	6.868	ug/l	# 16
43) Isopropyl Acetate	8.560	43	101610	3.388	ug/l	# 86
45) 1,2-Dichloropropane	9.622	63	5206	0.418	ug/l	# 44
48) Methyl methacrylate	9.545	41	24173	1.692	ug/l	# 8
49) 1,4-Dioxane	9.622	88	562	2.619	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.330	43	17483	0.914	ug/l	# 85
53) t-1,3-Dichloropropene	10.639	75	60	2.407	ug/l	# 1
54) cis-1,3-Dichloropropene	10.242	75	135144	7.604	ug/l	# 62
56) Ethyl methacrylate	10.698	69	363	2.319	ug/l	# 24
57) 1,3-Dichloropropane	11.089	76	71187	3.734	ug/l	# 43
59) 2-Hexanone	11.089	43	1218574	87.652	ug/l	# 49
76) 1,2,3-Trichloropropane	12.728	75	306996	25.608	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.728	75	306996	76.290	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.265	180	612	3.493	ug/l	# 19
95) Naphthalene	15.509	128	5010	5.141	ug/l	# 89
96) 1,2,3-Trichlorobenzene	15.694	180	721	3.300	ug/l	74

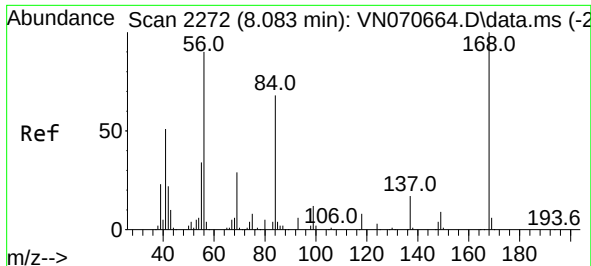
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 18 13:32:07 2022
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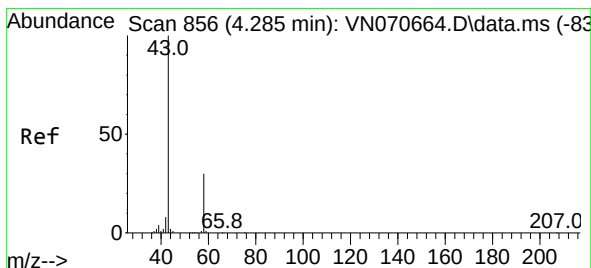
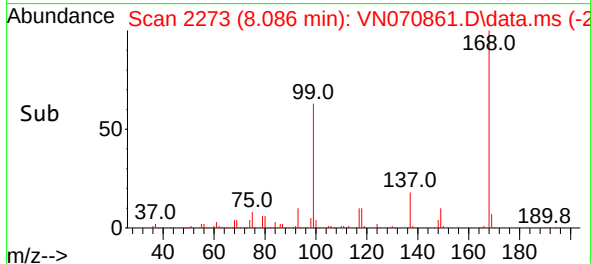
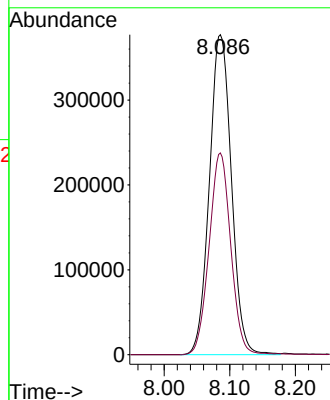
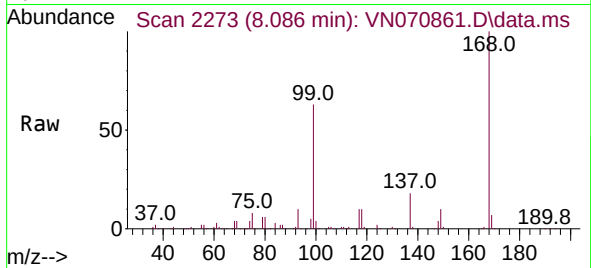




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

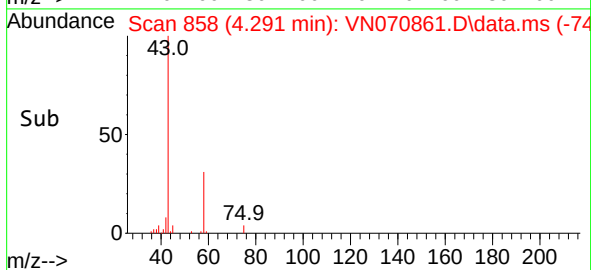
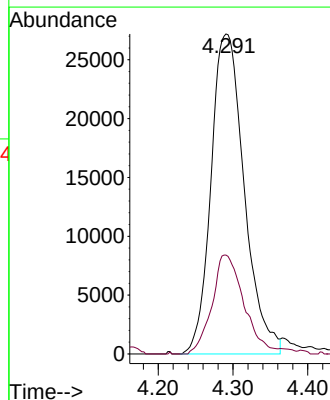
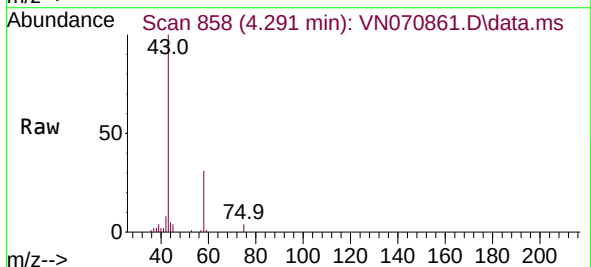
Instrument :
MSVOA_N
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TES-1

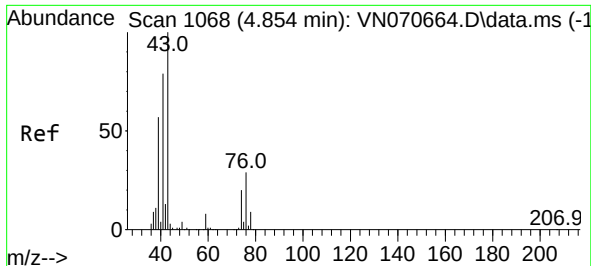
Tgt Ion:168 Resp: 879135
Ion Ratio Lower Upper
168 100
99 63.0 41.3 61.9#



#16
Acetone
Concen: 9.595 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

Tgt Ion: 43 Resp: 83910
Ion Ratio Lower Upper
43 100
58 30.9 23.1 34.7

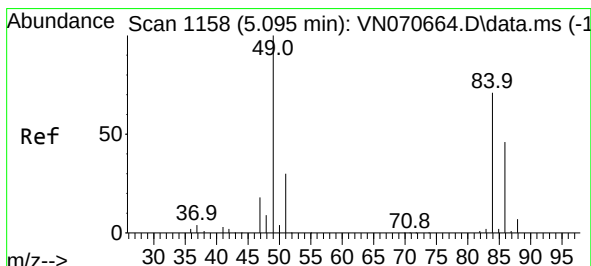
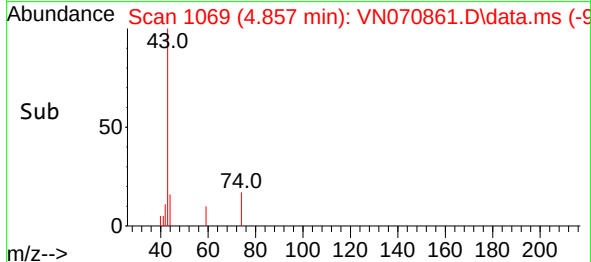
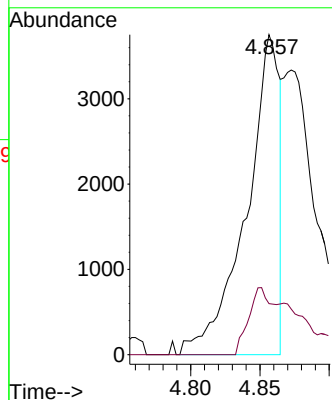
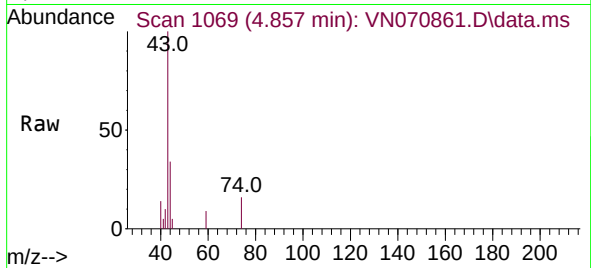




#18
Methyl Acetate
Concen: 0.360 ug/l
RT: 4.857 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

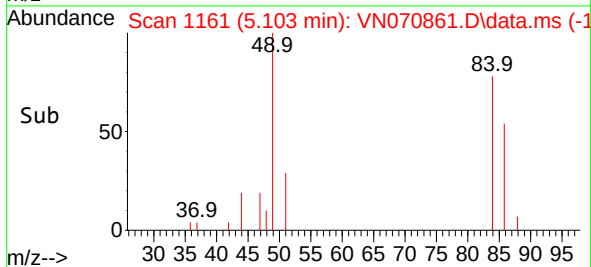
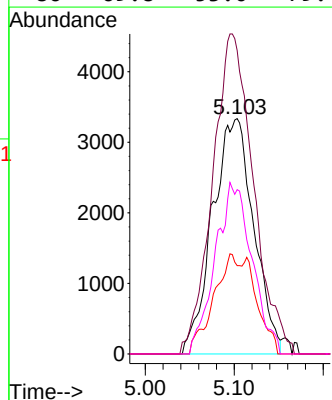
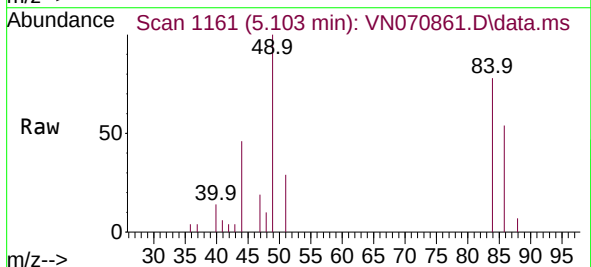
Instrument :
MSVOA_N
ClientSampleId :
TES-1

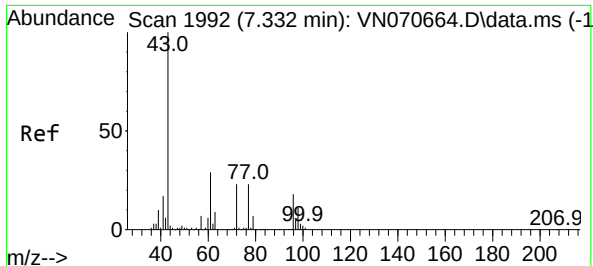
Tgt Ion: 43 Resp: 6194
Ion Ratio Lower Upper
43 100
74 15.5 19.4 29.2#



#20
Methylene Chloride
Concen: 0.933 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

Tgt Ion: 84 Resp: 10752
Ion Ratio Lower Upper
84 100
49 129.0 93.5 140.3
51 37.6 29.4 44.2
86 69.8 53.0 79.4





#25

2-Butanone

Concen: 0.642 ug/l

RT: 7.335 min Scan# 1992

Delta R.T. 0.003 min

Lab File: VN070861.D

Acq: 31 Jan 2022 19:06

Instrument :

MSVOA_N

ClientSampleId :

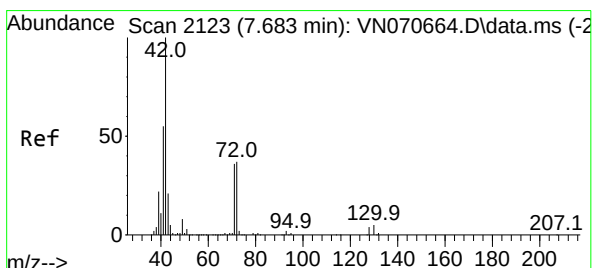
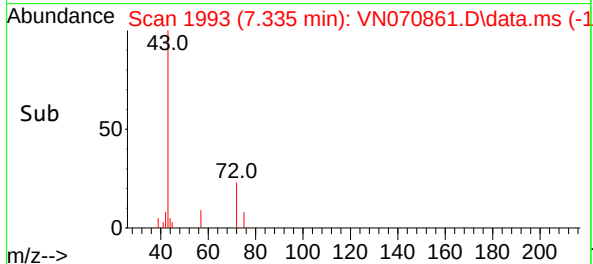
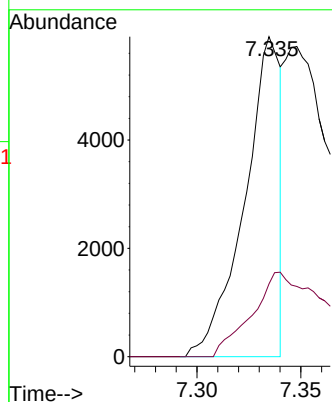
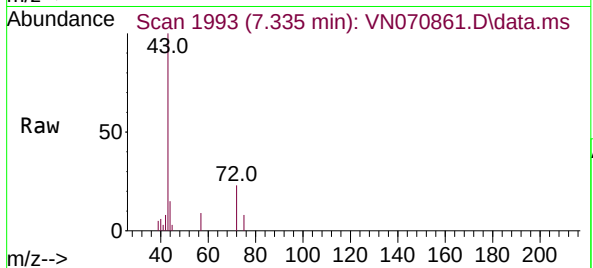
TES-1

Tgt Ion: 43 Resp: 7065

Ion Ratio Lower Upper

43 100

72 22.7 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.238 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.014 min

Lab File: VN070861.D

Acq: 31 Jan 2022 19:06

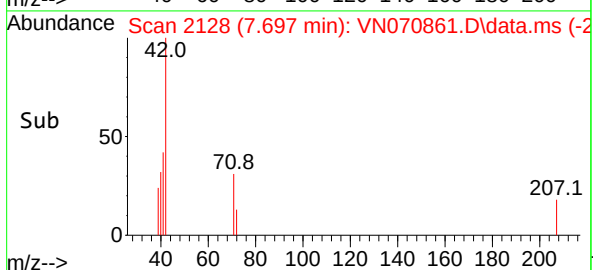
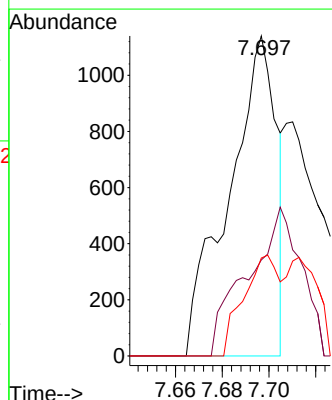
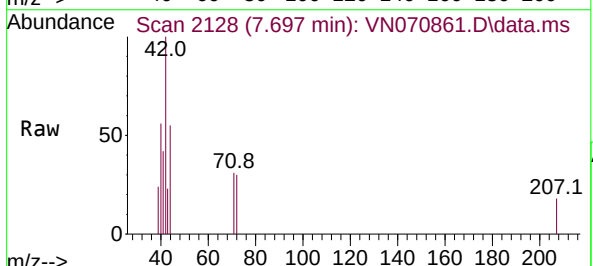
Tgt Ion: 42 Resp: 1606

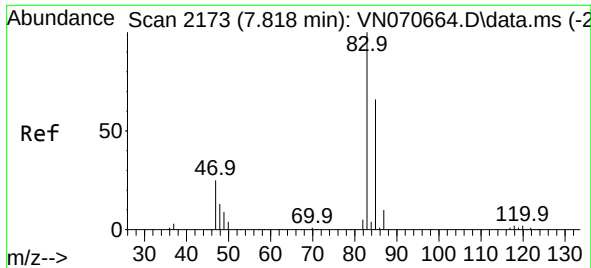
Ion Ratio Lower Upper

42 100

72 0.0 36.3 54.5#

71 23.4 34.7 52.1#

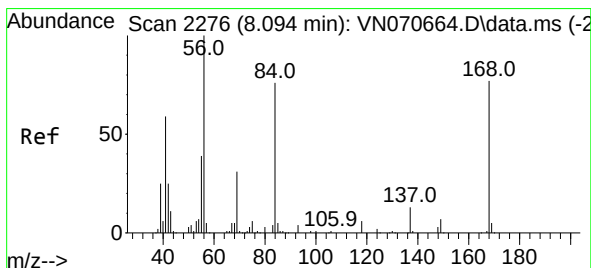
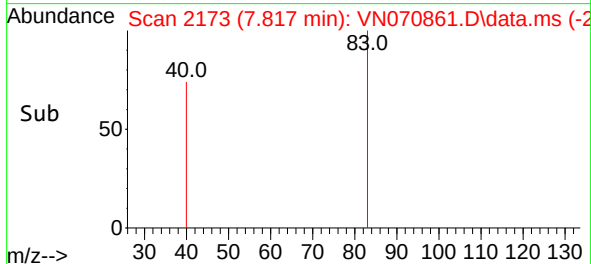
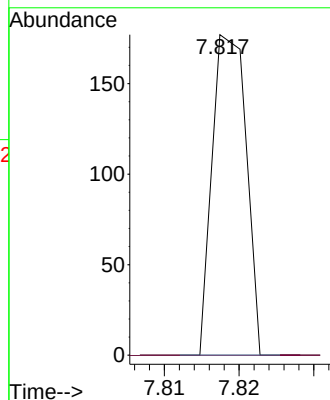
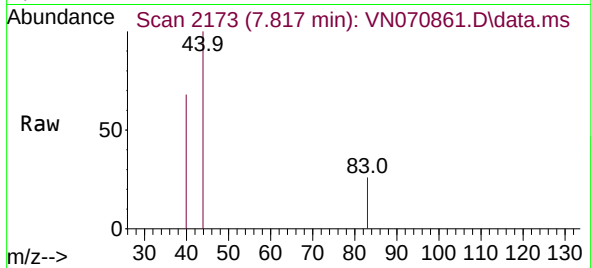




#30
Chloroform
Concen: Below Cal
RT: 7.817 min Scan# 2173
Delta R.T. -0.001 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

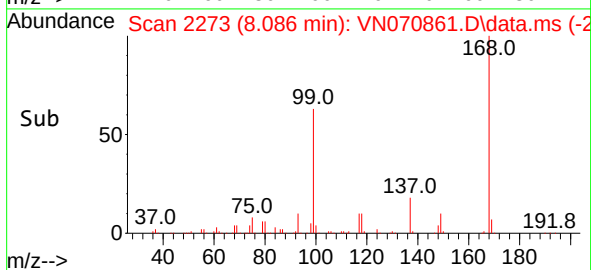
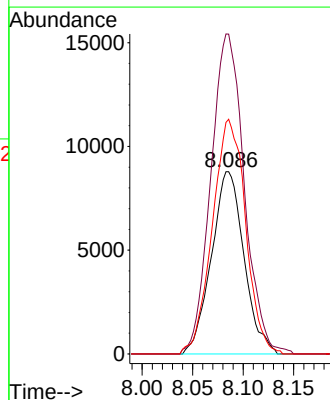
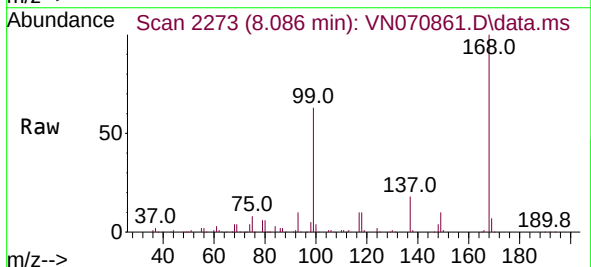
Instrument :
MSVOA_N
ClientSampleId :
TES-1

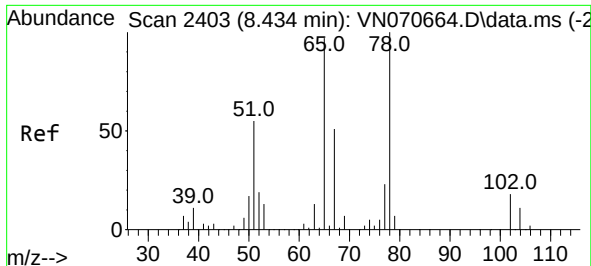
Tgt Ion: 83 Resp: 56
Ion Ratio Lower Upper
83 100
85 0.0 51.9 77.9#



#31
Cyclohexane
Concen: 0.888 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

Tgt Ion: 56 Resp: 19708
Ion Ratio Lower Upper
56 100
69 175.5 27.1 40.7#
84 128.8 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.780 ug/l

RT: 8.437 min Scan# 2403

Delta R.T. 0.003 min

Lab File: VN070861.D

Acq: 31 Jan 2022 19:06

Instrument :

MSVOA_N

ClientSampleId :

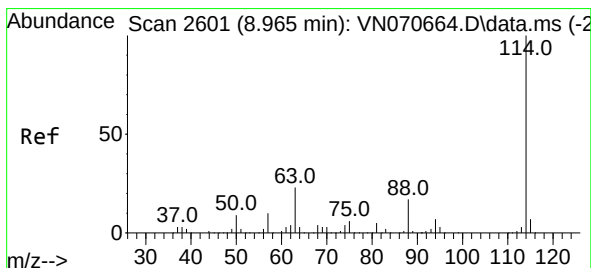
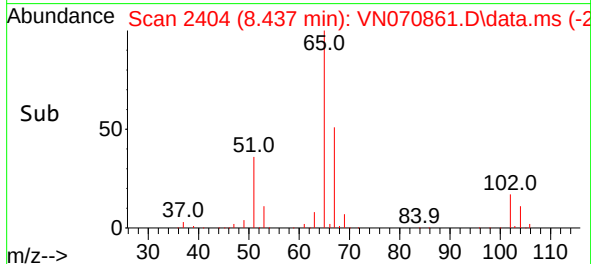
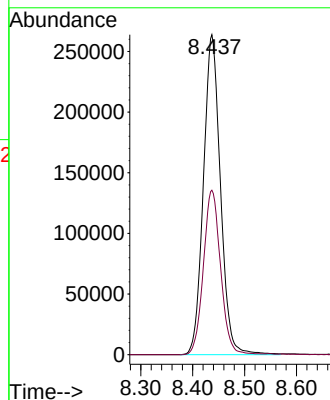
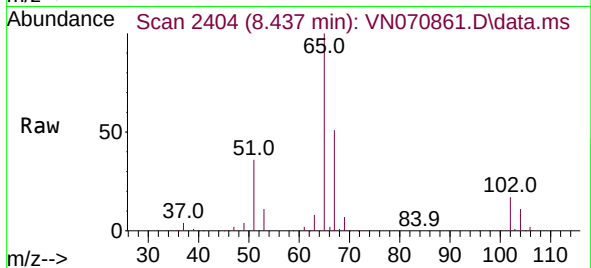
TES-1

Tgt Ion: 65 Resp: 601996

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.003 min

Lab File: VN070861.D

Acq: 31 Jan 2022 19:06

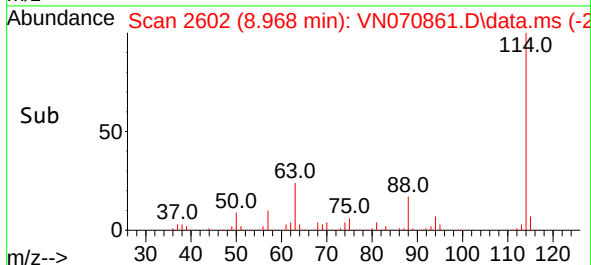
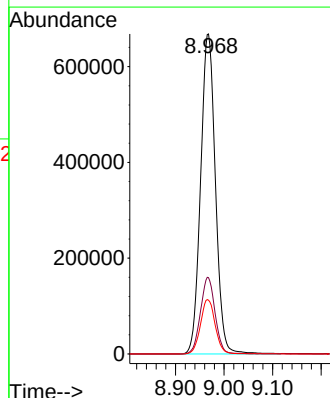
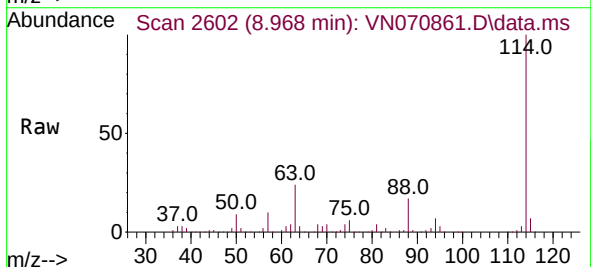
Tgt Ion: 114 Resp: 1416309

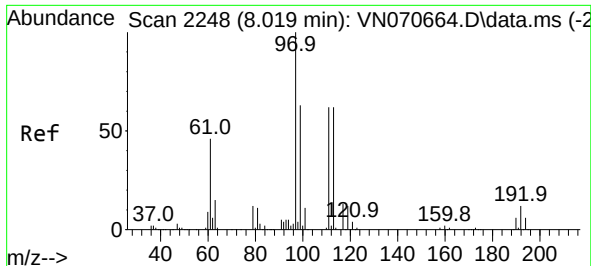
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 16.8 0.0 27.4

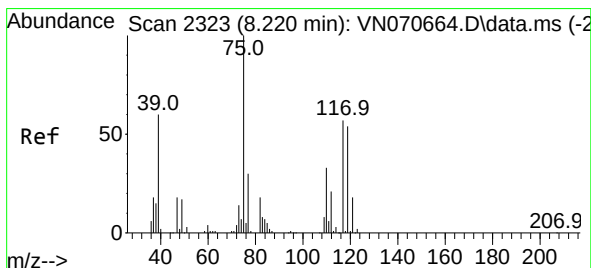
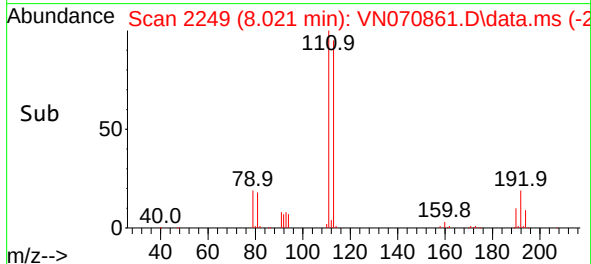
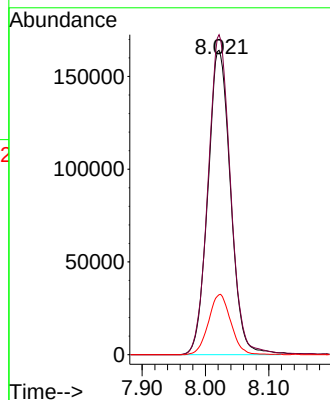
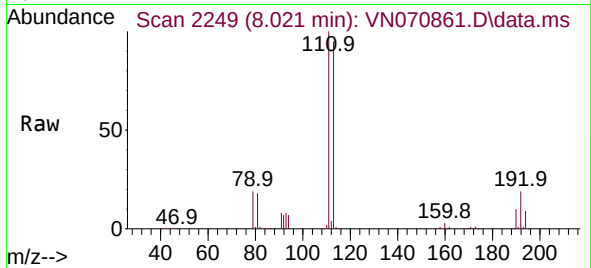




#35
Dibromofluoromethane
Concen: 46.469 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.002 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

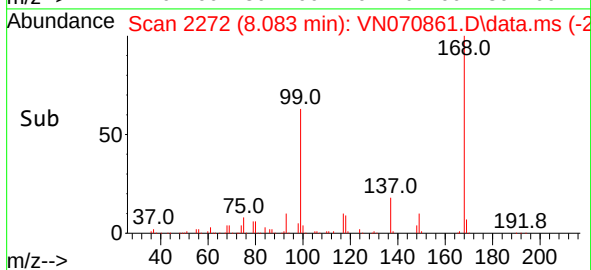
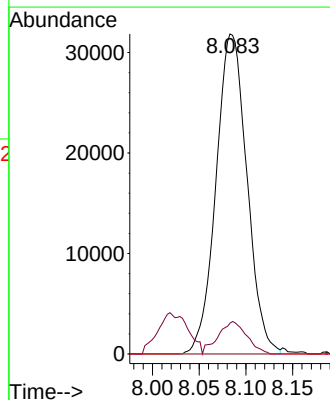
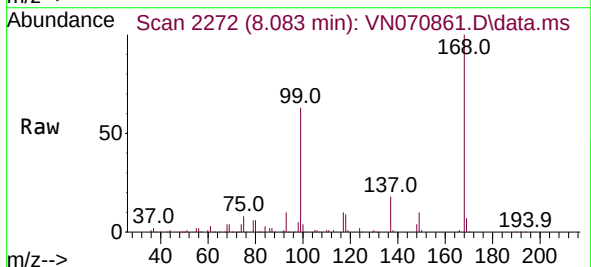
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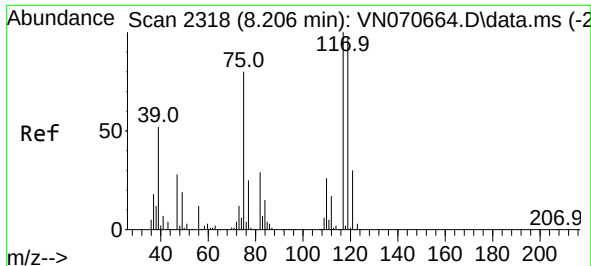
Tgt Ion:113 Resp: 408251
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.2
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.963 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

Tgt Ion: 75 Resp: 73408
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.0 24.4 36.6#

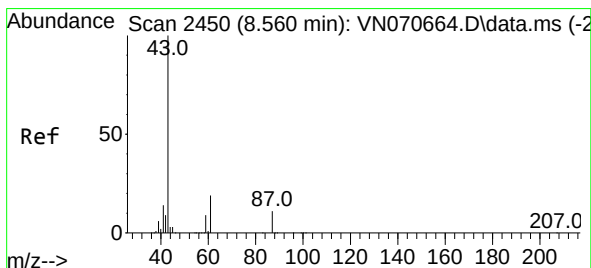
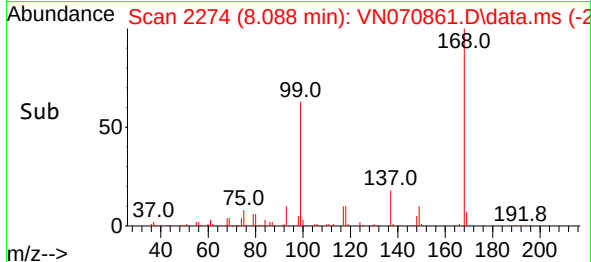
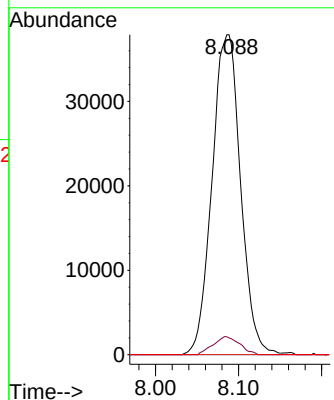
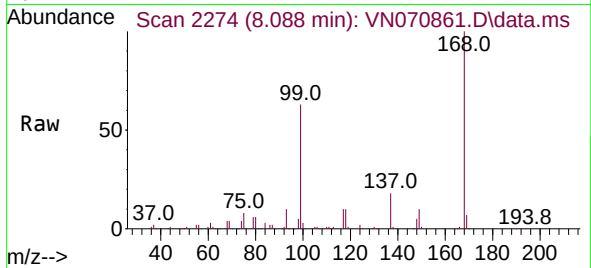




#38
Carbon Tetrachloride
Concen: 6.868 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

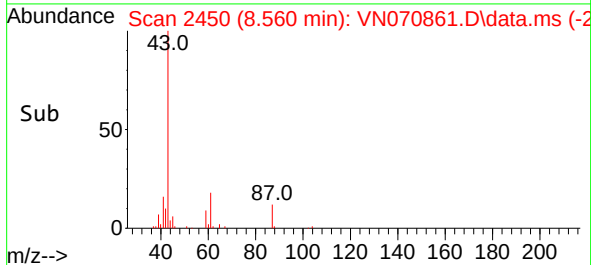
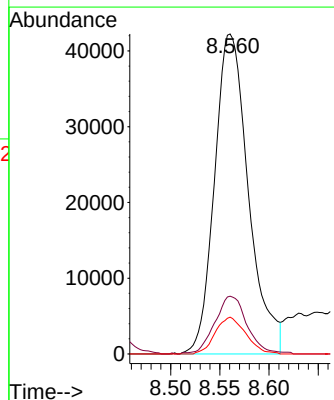
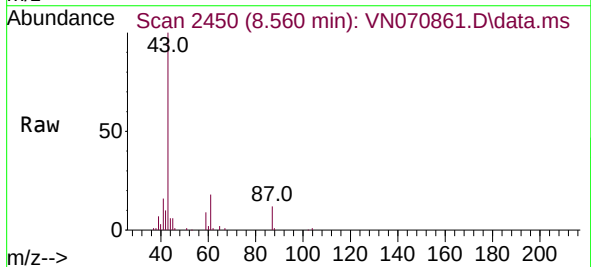
Instrument :
MSVOA_N
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TES-1

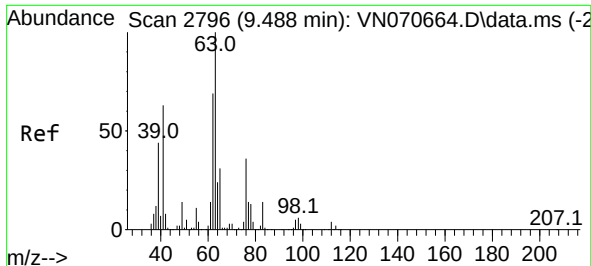
Tgt Ion:117 Resp: 90368
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.388 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

Tgt Ion: 43 Resp: 101610
Ion Ratio Lower Upper
43 100
61 17.2 20.4 30.6#
87 10.3 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.418 ug/l

RT: 9.622 min Scan# 21

Delta R.T. 0.134 min

Lab File: VN070861.D

Acq: 31 Jan 2022 19:06

Instrument :

MSVOA_N

ClientSampleId :

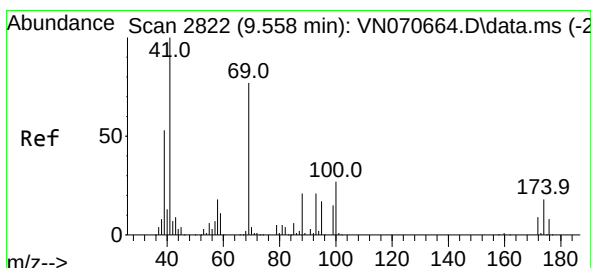
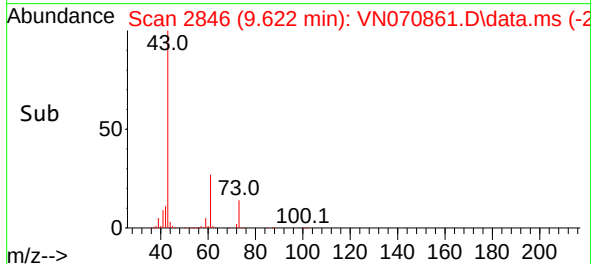
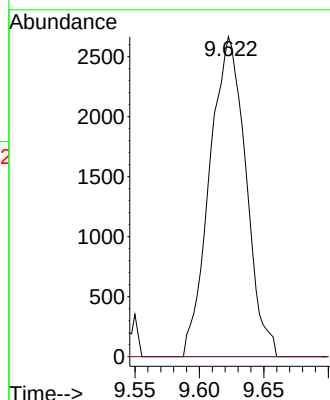
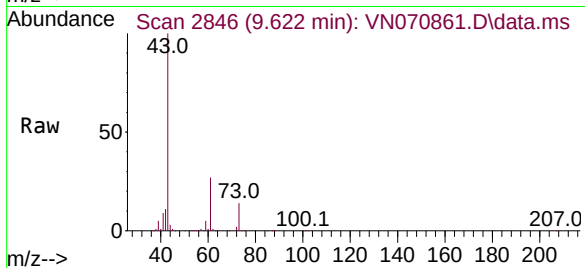
TES-1

Tgt Ion: 63 Resp: 5206

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.692 ug/l

RT: 9.545 min Scan# 2817

Delta R.T. -0.013 min

Lab File: VN070861.D

Acq: 31 Jan 2022 19:06

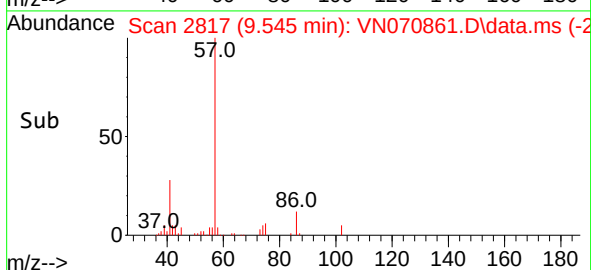
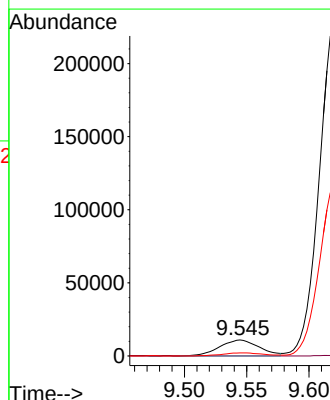
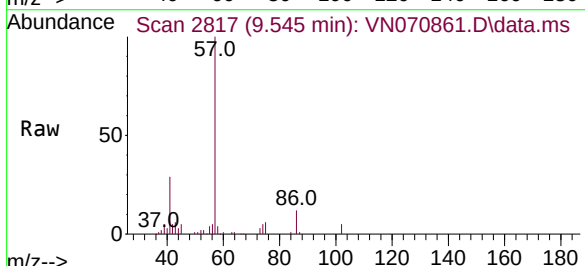
Tgt Ion: 41 Resp: 24173

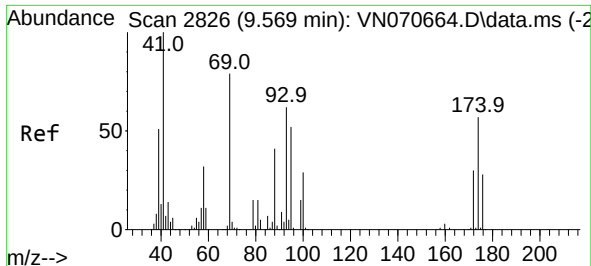
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 2.619 ug/l

RT: 9.622 min Scan# 2846

Delta R.T. 0.053 min

Lab File: VN070861.D

Acq: 31 Jan 2022 19:06

Instrument :

MSVOA_N

ClientSampleId :

TES-1

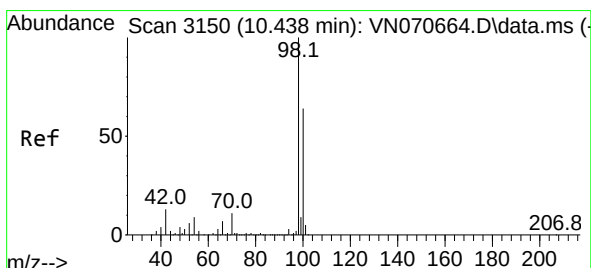
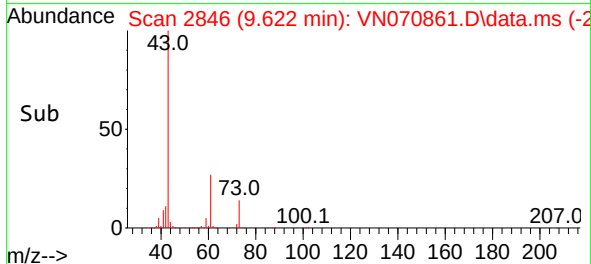
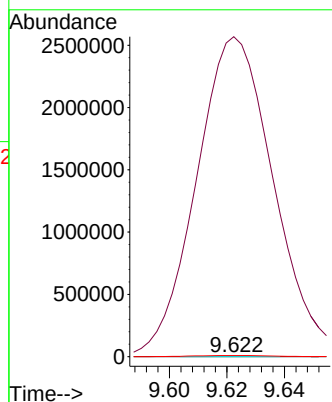
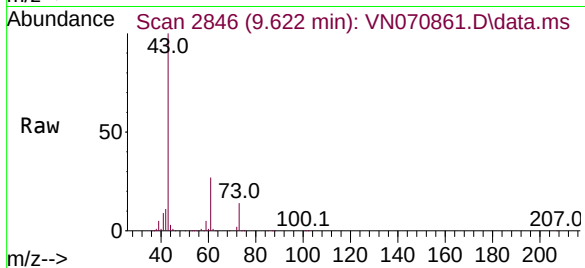
Tgt Ion: 88 Resp: 562

Ion Ratio Lower Upper

88 100

43 879448.0 23.4 35.2#

58 3274.4 50.6 75.8#



#50

Toluene-d8

Concen: 47.808 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070861.D

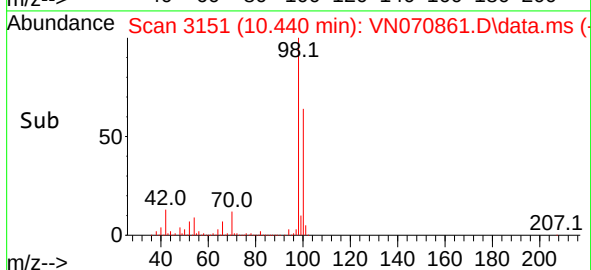
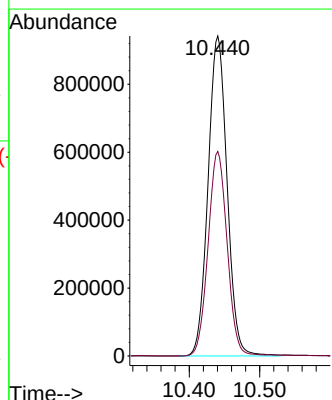
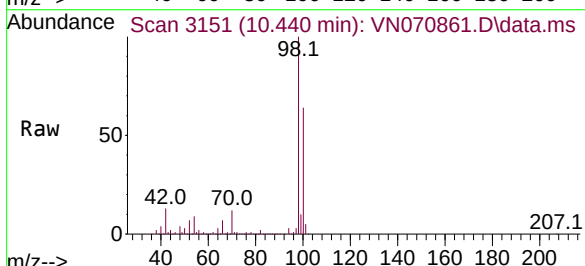
Acq: 31 Jan 2022 19:06

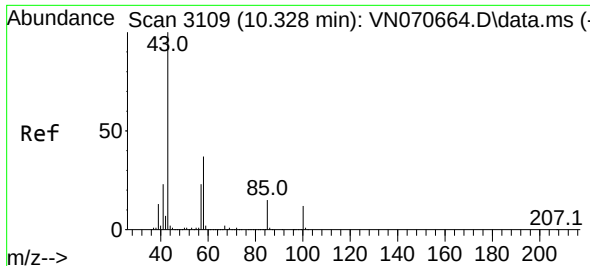
Tgt Ion: 98 Resp: 1769405

Ion Ratio Lower Upper

98 100

100 63.8 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.914 ug/l

RT: 10.330 min Scan# 31

Delta R.T. 0.002 min

Lab File: VN070861.D

Acq: 31 Jan 2022 19:06

Instrument :

MSVOA_N

ClientSampleId :

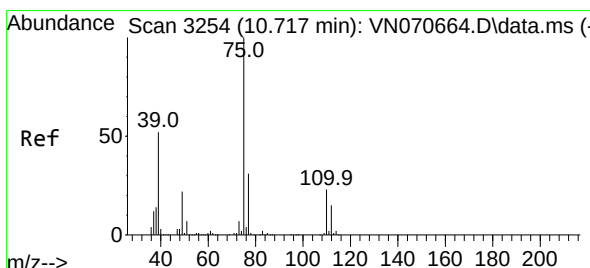
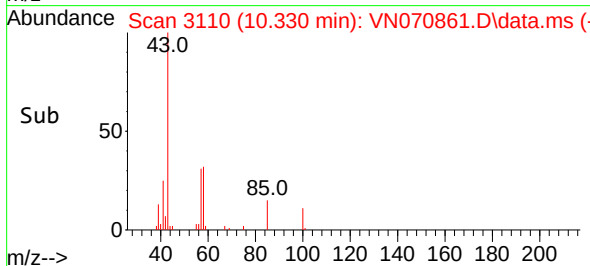
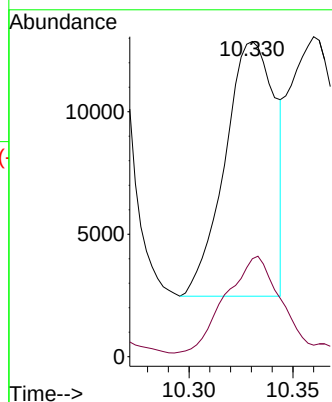
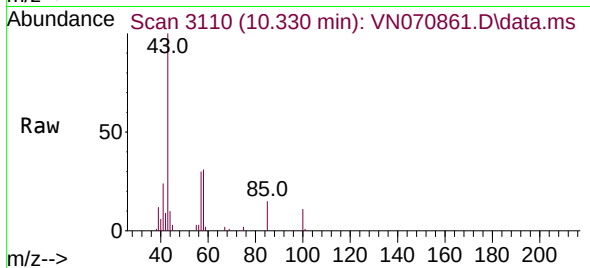
TES-1

Tgt Ion: 43 Resp: 17483

Ion Ratio Lower Upper

43 100

58 46.8 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 2.407 ug/l

RT: 10.639 min Scan# 3225

Delta R.T. -0.078 min

Lab File: VN070861.D

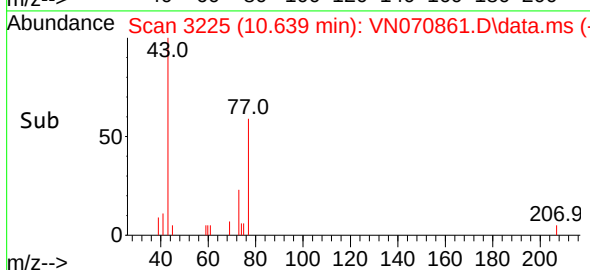
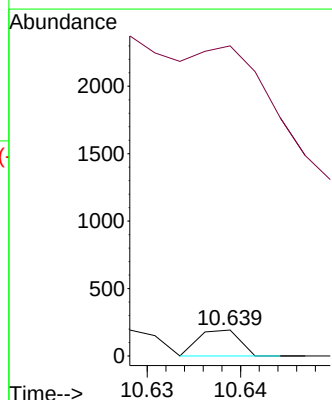
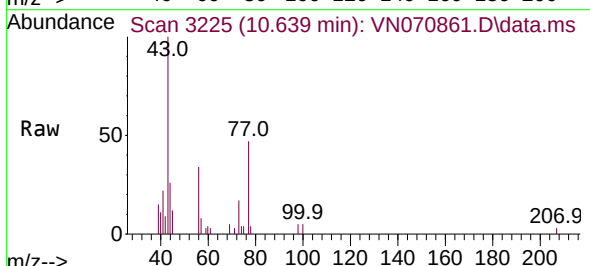
Acq: 31 Jan 2022 19:06

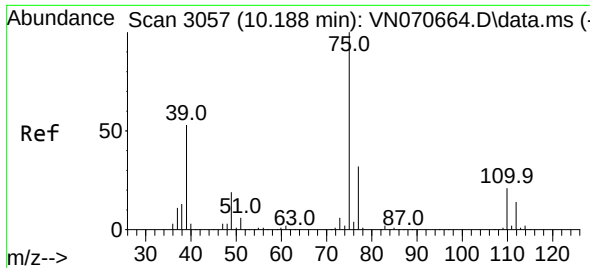
Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

77 276.2 25.6 38.4#

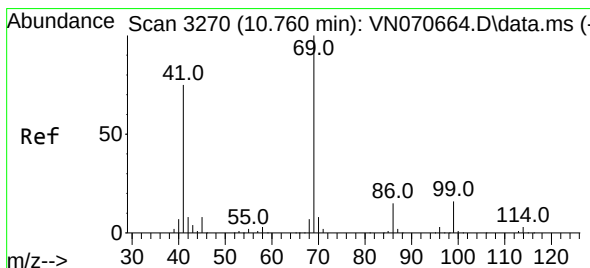
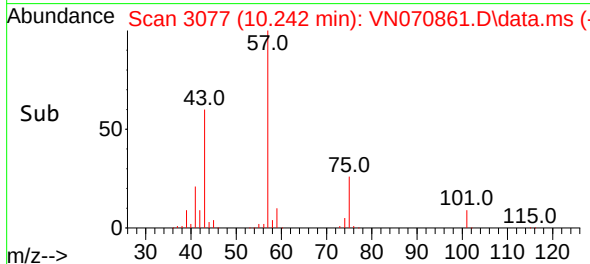
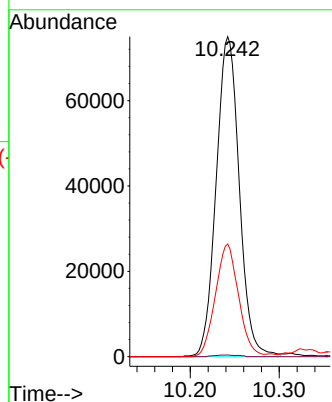
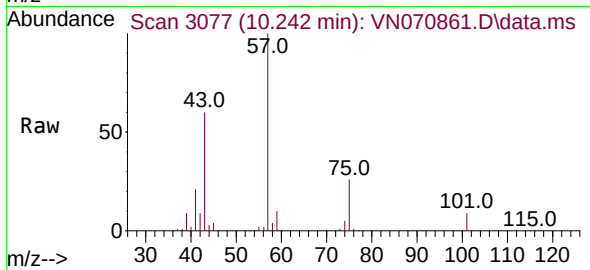




#54
cis-1,3-Dichloropropene
Concen: 7.604 ug/l
RT: 10.242 min Scan# 3057
Delta R.T. 0.054 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

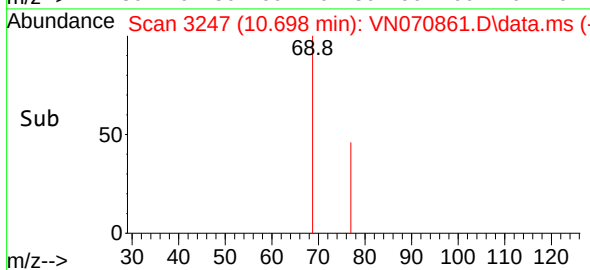
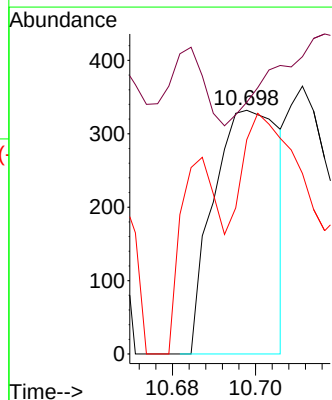
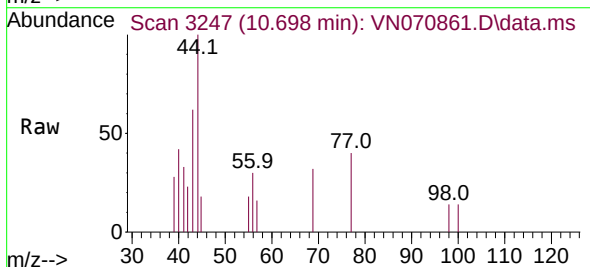
Instrument :
MSVOA_N
ClientSampleId :
TES-1

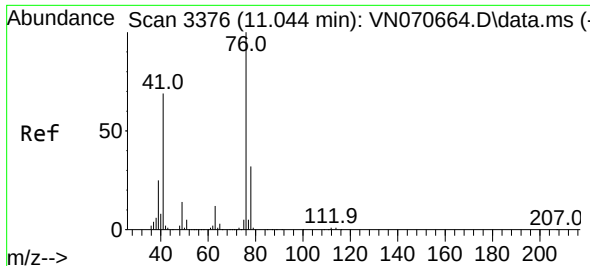
Tgt Ion: 75 Resp: 135144
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 35.2 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.319 ug/l
RT: 10.698 min Scan# 3247
Delta R.T. -0.062 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

Tgt Ion: 69 Resp: 363
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#





#57

1,3-Dichloropropane

Concen: 3.734 ug/l

RT: 11.089 min Scan# 31

Delta R.T. 0.045 min

Lab File: VN070861.D

Acq: 31 Jan 2022 19:06

Instrument :

MSVOA_N

ClientSampleId :

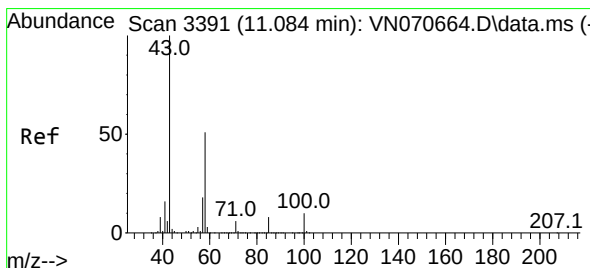
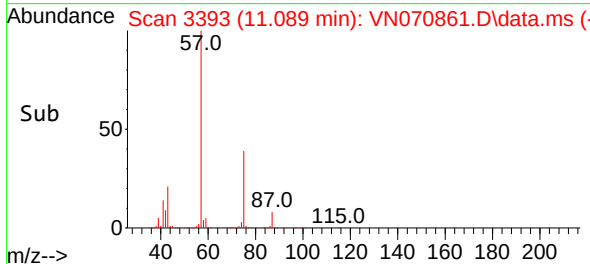
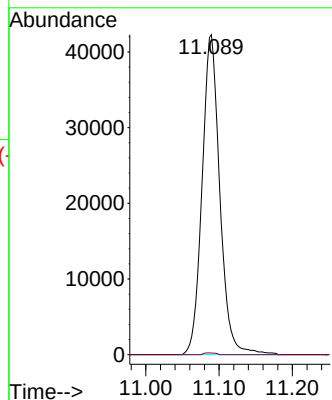
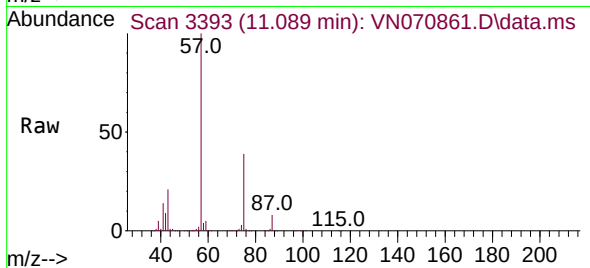
TES-1

Tgt Ion: 76 Resp: 71187

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#59

2-Hexanone

Concen: 87.652 ug/l

RT: 11.089 min Scan# 3393

Delta R.T. 0.005 min

Lab File: VN070861.D

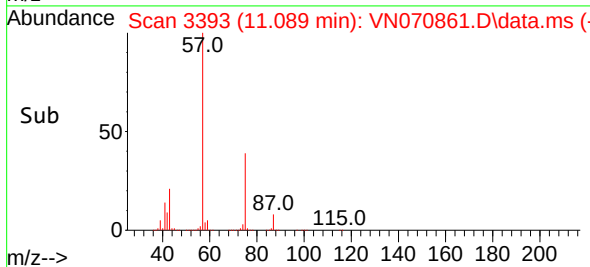
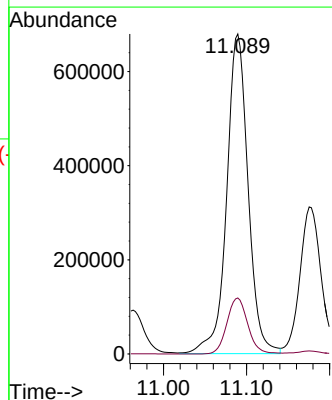
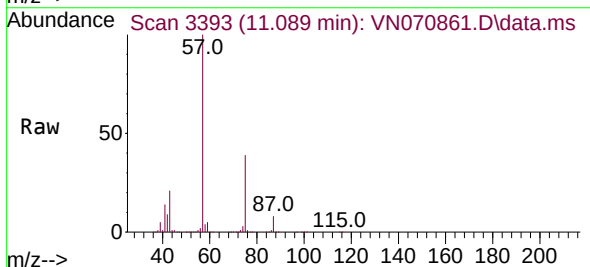
Acq: 31 Jan 2022 19:06

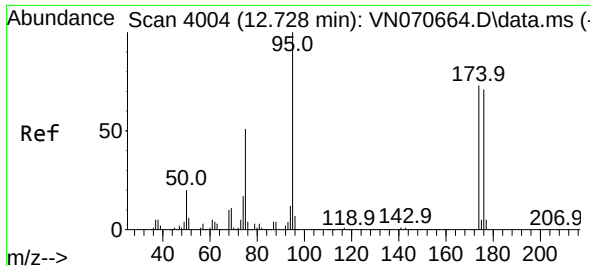
Tgt Ion: 43 Resp: 1218574

Ion Ratio Lower Upper

43 100

58 17.1 26.9 80.7#

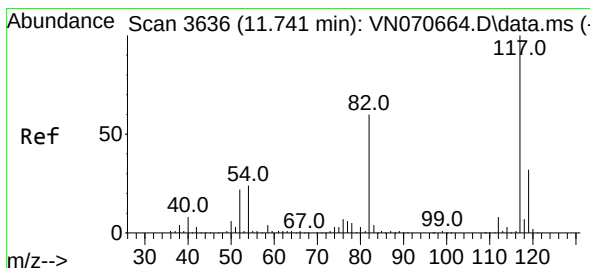
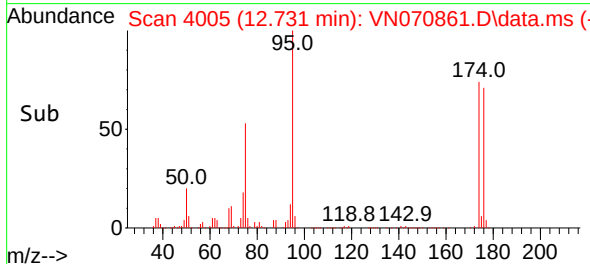
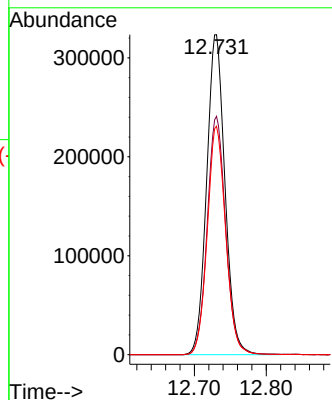
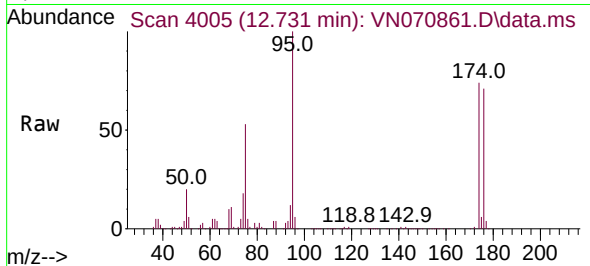




#62
4-Bromofluorobenzene
Concen: 43.461 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

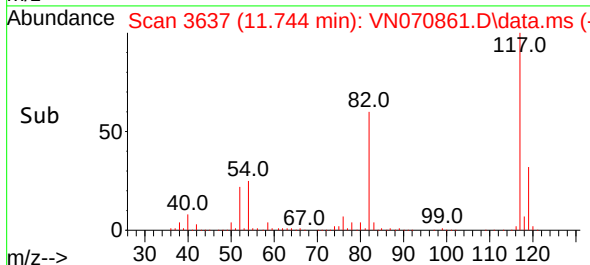
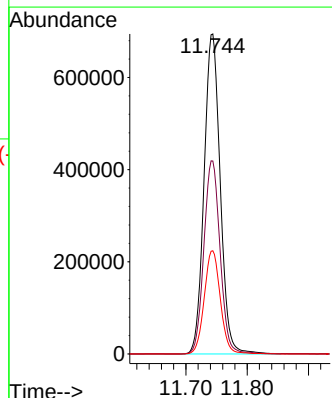
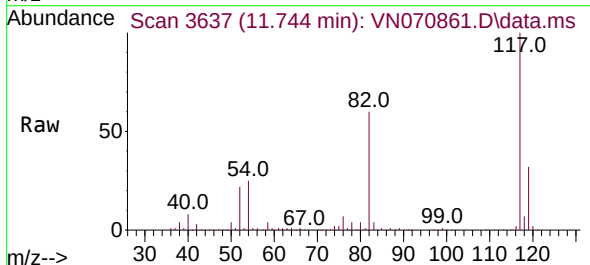
Instrument :
MSVOA_N
ClientSampleId :
TES-1

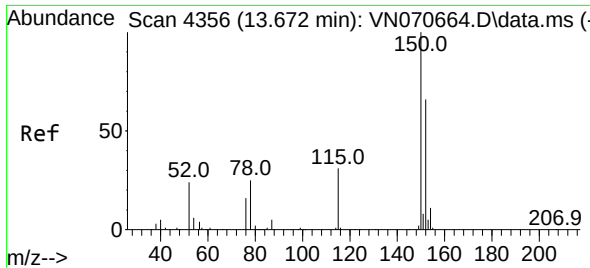
Tgt Ion: 95 Resp: 573191
Ion Ratio Lower Upper
95 100
174 75.0 0.0 187.2
176 71.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

Tgt Ion: 117 Resp: 1274014
Ion Ratio Lower Upper
117 100
82 60.3 42.4 63.6
119 32.3 25.4 38.2

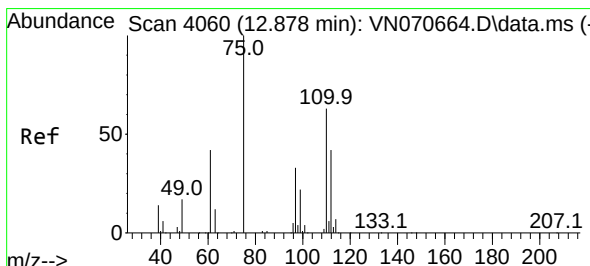
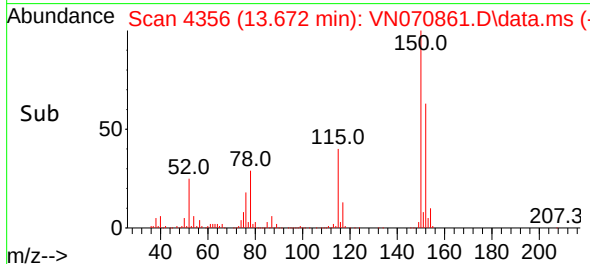
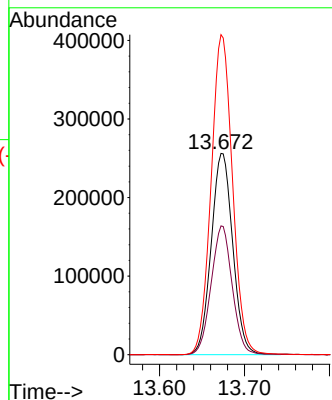
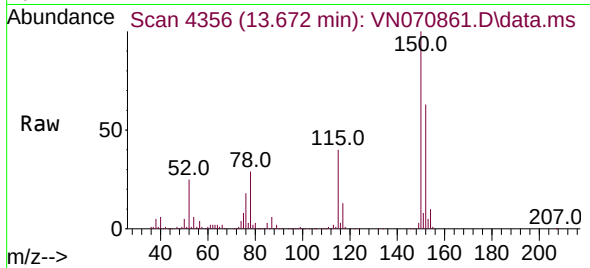




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.672 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN070861.D
 Acq: 31 Jan 2022 19:06

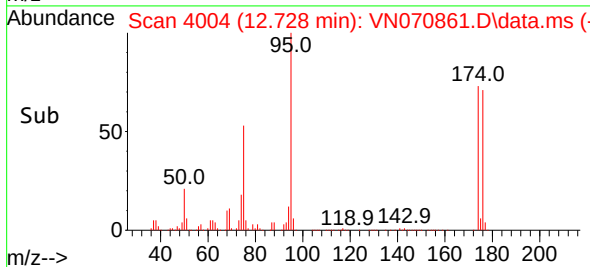
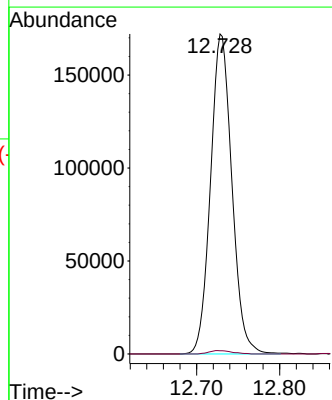
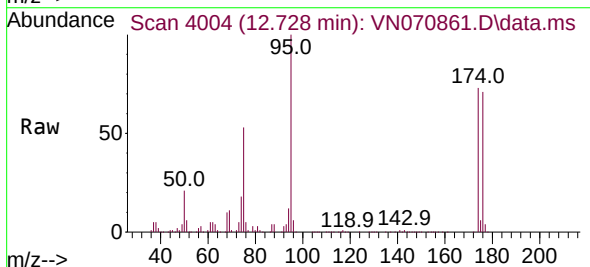
Instrument :
 MSVOA_N
 ClientSampleId :
 TES-1

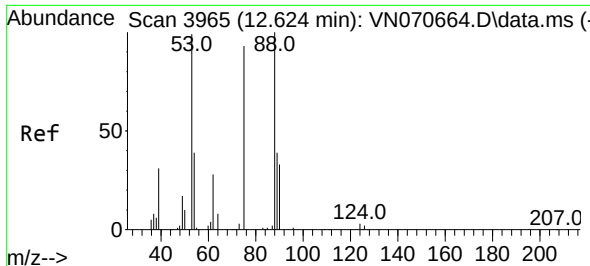
Tgt Ion:152 Resp: 452008
 Ion Ratio Lower Upper
 152 100
 115 62.5 27.5 82.5
 150 157.7 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 25.608 ug/l
 RT: 12.728 min Scan# 4004
 Delta R.T. -0.150 min
 Lab File: VN070861.D
 Acq: 31 Jan 2022 19:06

Tgt Ion: 75 Resp: 306996
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#

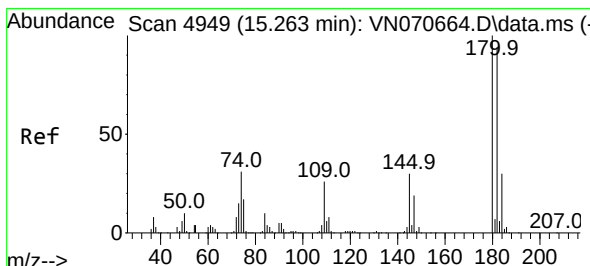
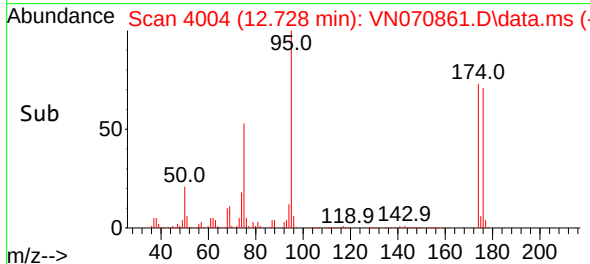
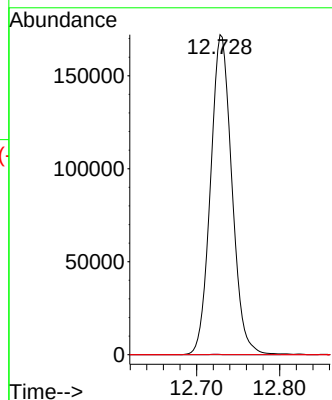
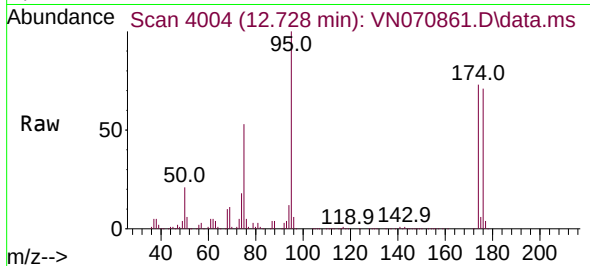




#81
trans-1,4-Dichloro-2-butene
Concen: 76.290 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

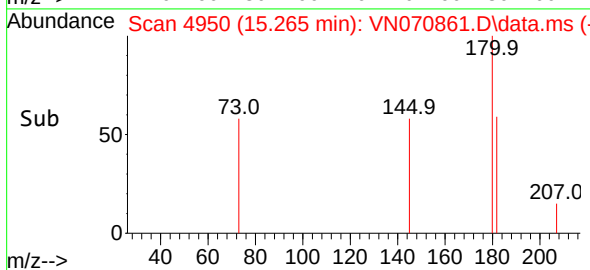
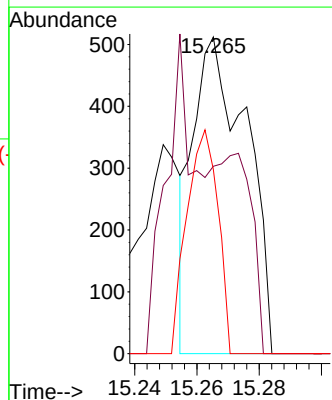
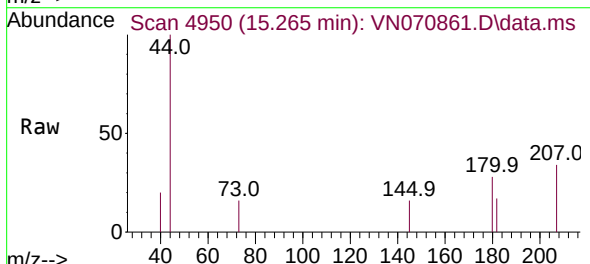
Instrument :
MSVOA_N
ClientSampleId :
TES-1

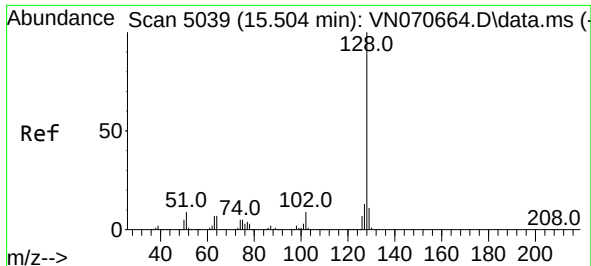
Tgt Ion: 75 Resp: 306996
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.493 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.002 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

Tgt Ion: 180 Resp: 612
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 41.0 14.5 43.5

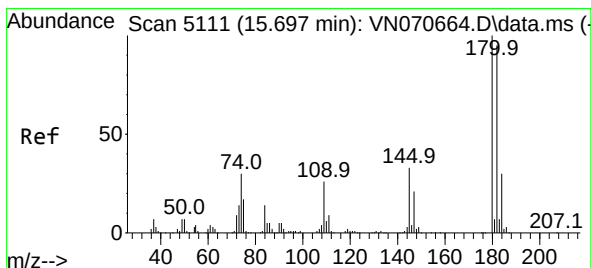
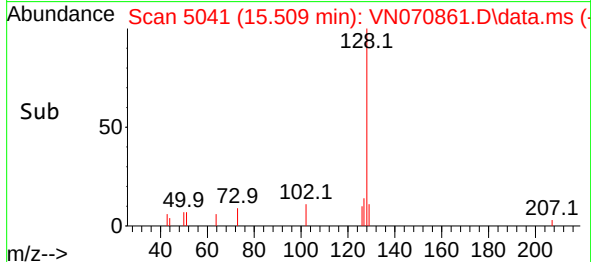
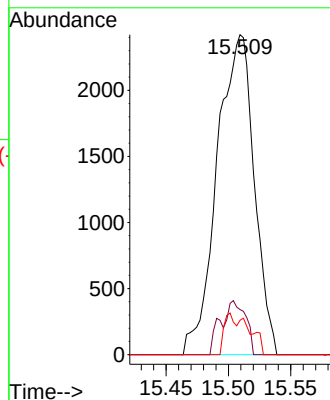
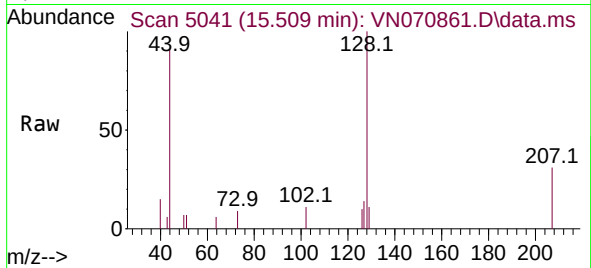




#95
Naphthalene
Concen: 5.141 ug/l
RT: 15.509 min Scan# 5039
Delta R.T. 0.005 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

Instrument :
MSVOA_N
ClientSampleId :
TES-1

Tgt Ion:128 Resp: 5010
Ion Ratio Lower Upper
128 100
127 11.2 10.5 15.7
129 4.1 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.300 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.003 min
Lab File: VN070861.D
Acq: 31 Jan 2022 19:06

Tgt Ion:180 Resp: 721
Ion Ratio Lower Upper
180 100
182 63.2 47.4 142.2
145 27.0 15.0 45.1

