

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012422\
 Data File : VN070759.D
 Acq On : 24 Jan 2022 16:45
 Operator : JC/MD
 Sample : N1235-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Jan 24 23:33:20 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

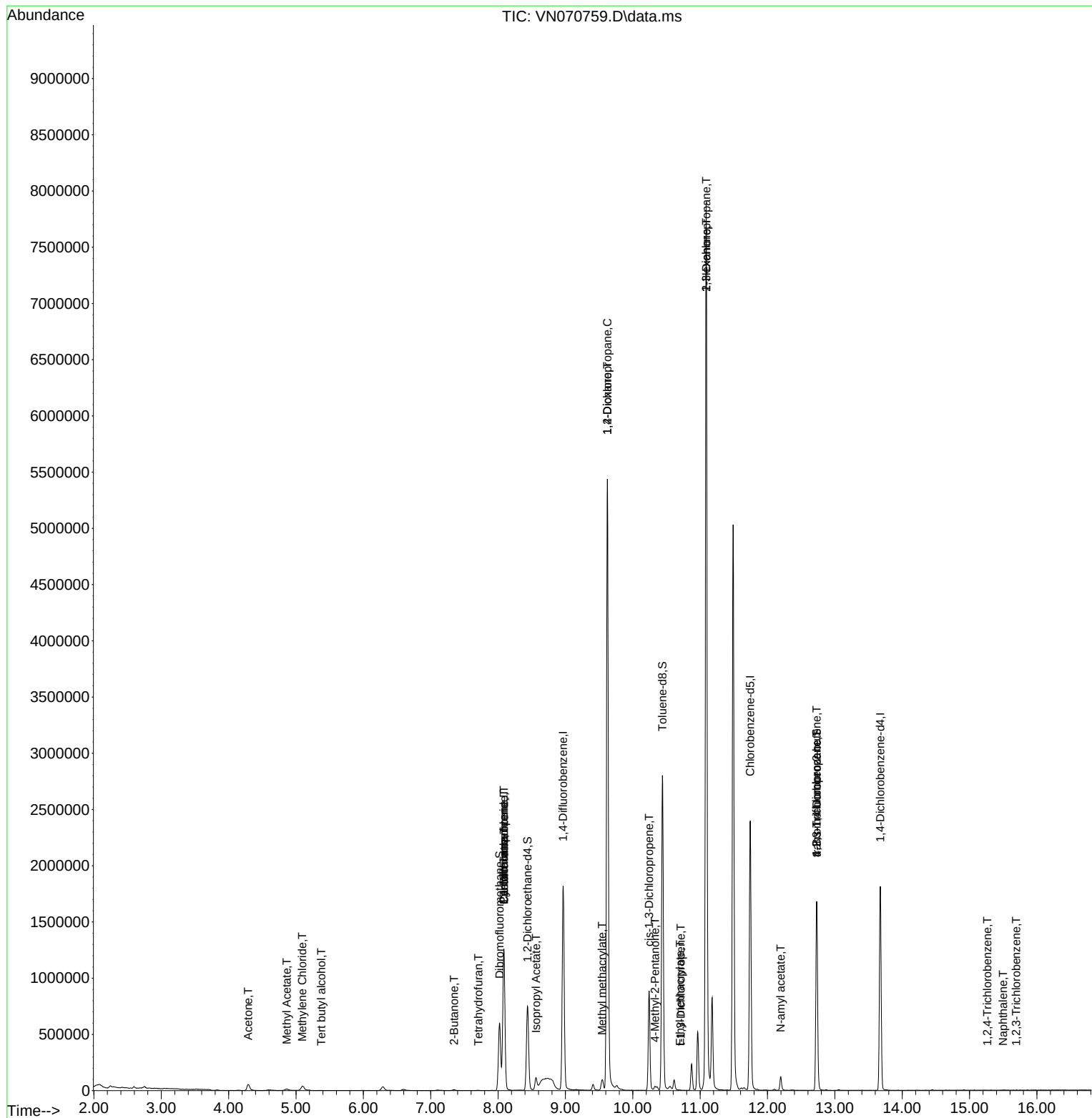
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	946475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1547513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1382967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	503596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	644525	47.516	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.040%		
35) Dibromofluoromethane	8.021	113	443732	46.226	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.460%		
50) Toluene-d8	10.440	98	1936647	47.890	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.780%		
62) 4-Bromofluorobenzene	12.731	95	624861	43.362	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.720%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.377	59	957	0.391	ug/l #	71
16) Acetone	4.288	43	99205	10.537	ug/l	94
18) Methyl Acetate	4.862	43	27366	1.478	ug/l #	76
20) Methylene Chloride	5.093	84	26553	2.141	ug/l #	88
25) 2-Butanone	7.345	43	14470	1.221	ug/l	90
29) Tetrahydrofuran	7.708	42	2245	0.309	ug/l #	64
31) Cyclohexane	8.086	56	21679	0.908	ug/l #	4
36) 1,1-Dichloropropene	8.086	75	79443	4.916	ug/l #	49
38) Carbon Tetrachloride	8.086	117	97778	6.801	ug/l #	17
43) Isopropyl Acetate	8.563	43	137796	4.205	ug/l #	83
45) 1,2-Dichloropropane	9.622	63	6236	0.458	ug/l #	44
48) Methyl methacrylate	9.545	41	27954	1.791	ug/l #	8
49) 1,4-Dioxane	9.622	88	872	3.719	ug/l #	1
51) 4-Methyl-2-Pentanone	10.331	43	23681	1.133	ug/l	97
53) t-1,3-Dichloropropene	10.711	75	26	2.405	ug/l #	43
54) cis-1,3-Dichloropropene	10.242	75	150680	7.759	ug/l #	62
56) Ethyl methacrylate	10.701	69	556	2.325	ug/l #	24
57) 1,3-Dichloropropane	11.090	76	79348	3.809	ug/l #	43
59) 2-Hexanone	11.090	43	1345430	88.572	ug/l #	49
74) N-amyl acetate	12.194	43	43883	2.253	ug/l #	52
76) 1,2,3-Trichloropropane	12.731	75	336752	25.212	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	336752	75.111	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	189	3.444	ug/l #	1
95) Naphthalene	15.499	128	2017	5.018	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.692	180	202	3.237	ug/l #	12

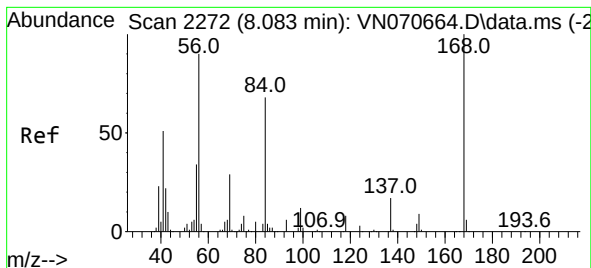
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN070759.D

Acq: 24 Jan 2022 16:45

Instrument :

MSVOA_N

ClientSampleId :

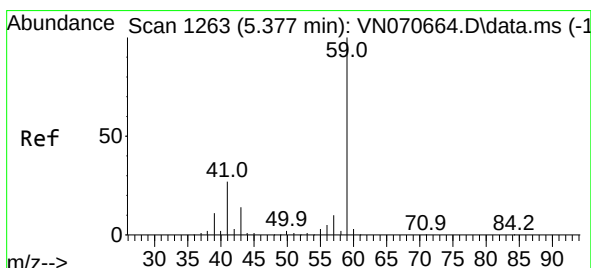
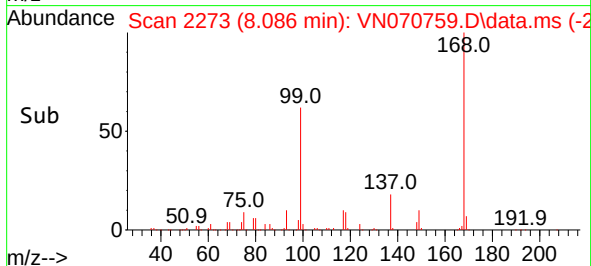
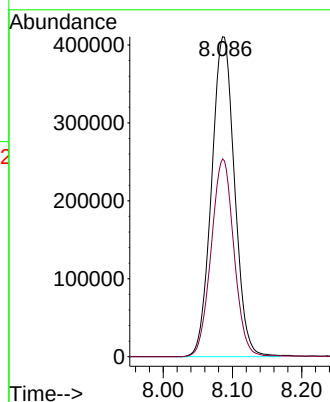
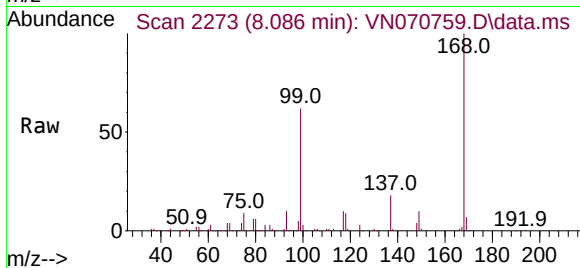
TP-1

Tgt Ion:168 Resp: 946475

Ion Ratio Lower Upper

168 100

99 61.8 41.3 61.9



#11

Tert butyl alcohol

Concen: 0.391 ug/l

RT: 5.377 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VN070759.D

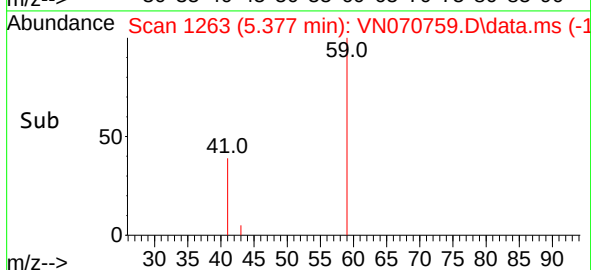
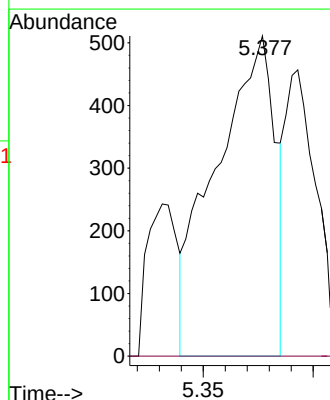
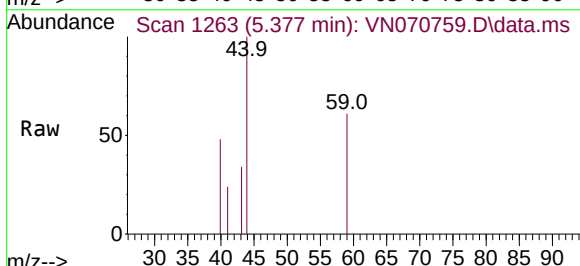
Acq: 24 Jan 2022 16:45

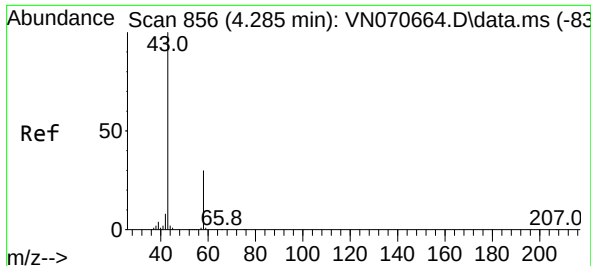
Tgt Ion: 59 Resp: 957

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#

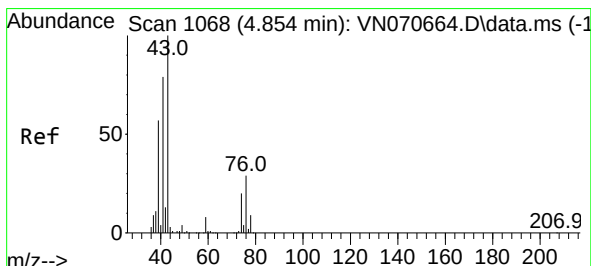
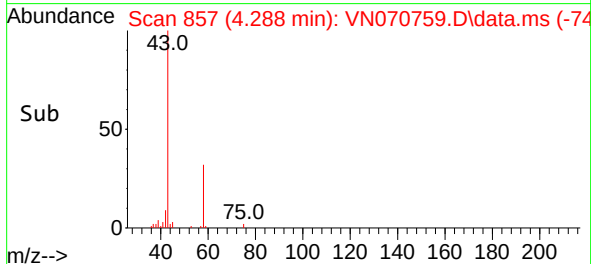
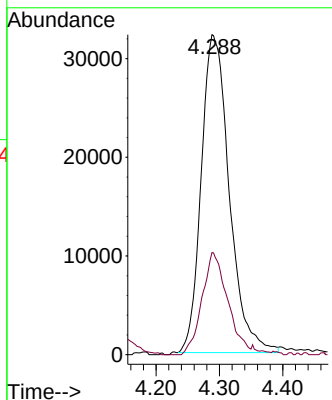
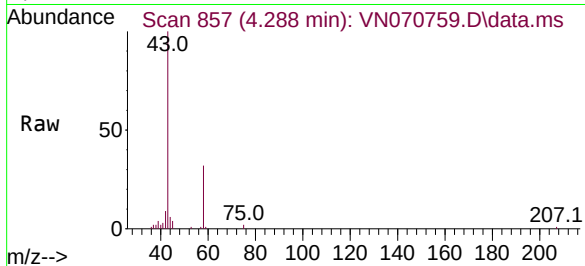




#16
Acetone
Concen: 10.537 ug/l
RT: 4.288 min Scan# 856
Delta R.T. 0.003 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

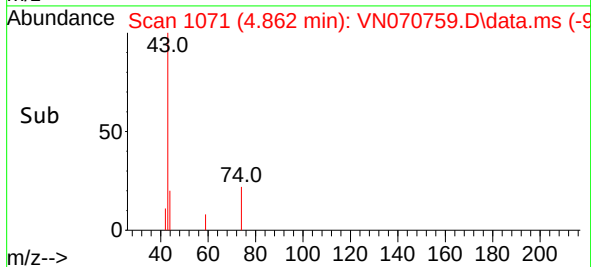
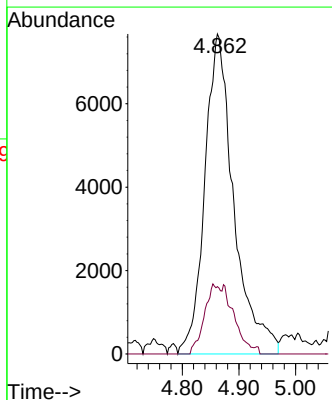
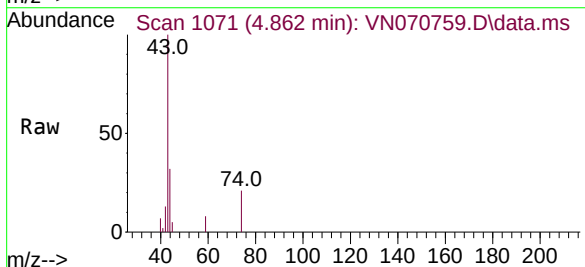
Instrument :
MSVOA_N
ClientSampleId :
TP-1

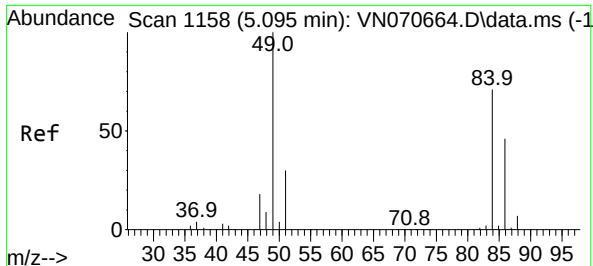
Tgt Ion: 43 Resp: 99205
Ion Ratio Lower Upper
43 100
58 32.1 23.1 34.7



#18
Methyl Acetate
Concen: 1.478 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

Tgt Ion: 43 Resp: 27366
Ion Ratio Lower Upper
43 100
74 12.6 19.4 29.2#





#20

Methylene Chloride

Concen: 2.141 ug/l

RT: 5.093 min Scan# 1158

Delta R.T. -0.002 min

Lab File: VN070759.D

Acq: 24 Jan 2022 16:45

Instrument :

MSVOA_N

ClientSampleId :

TP-1

Tgt Ion: 84 Resp: 26553

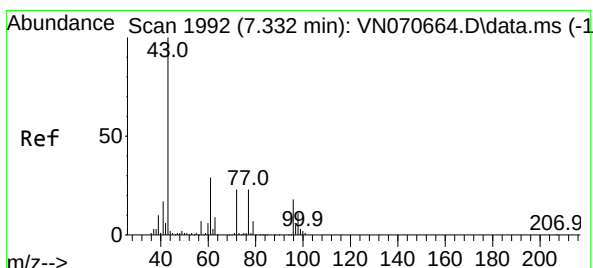
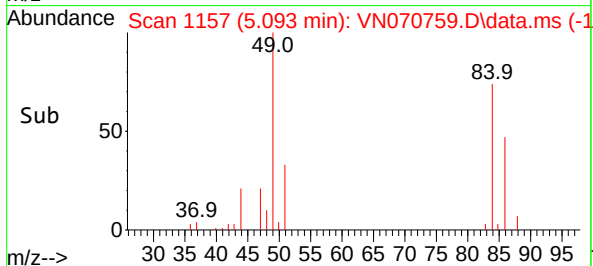
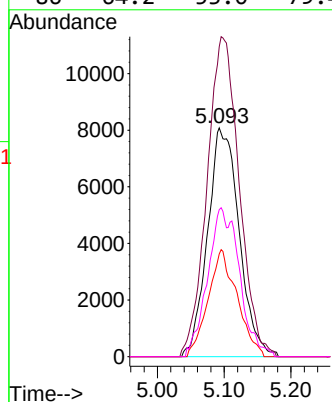
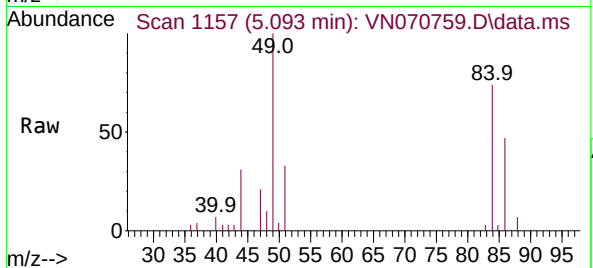
Ion Ratio Lower Upper

84 100

49 135.5 93.5 140.3

51 44.9 29.4 44.2#

86 64.2 53.0 79.4



#25

2-Butanone

Concen: 1.221 ug/l

RT: 7.345 min Scan# 1997

Delta R.T. 0.013 min

Lab File: VN070759.D

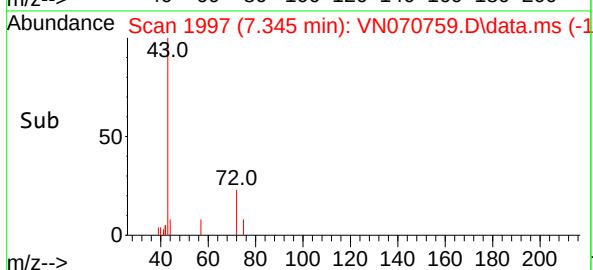
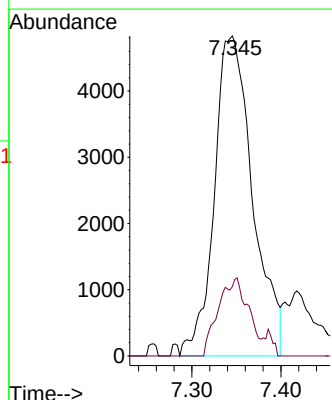
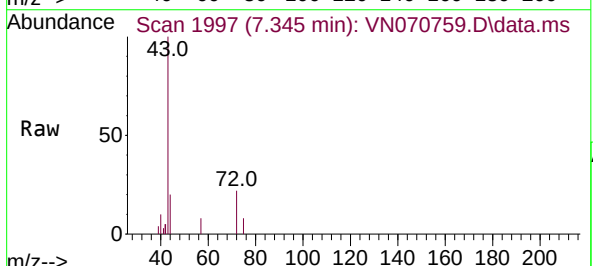
Acq: 24 Jan 2022 16:45

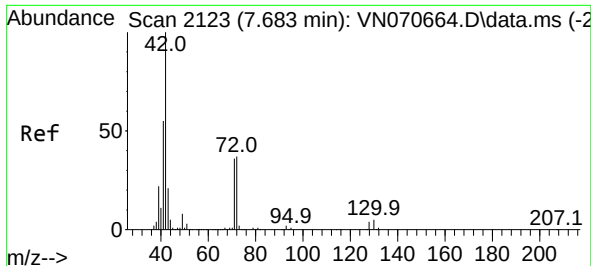
Tgt Ion: 43 Resp: 14470

Ion Ratio Lower Upper

43 100

72 21.7 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.309 ug/l

RT: 7.708 min Scan# 2123

Delta R.T. 0.025 min

Lab File: VN070759.D

Acq: 24 Jan 2022 16:45

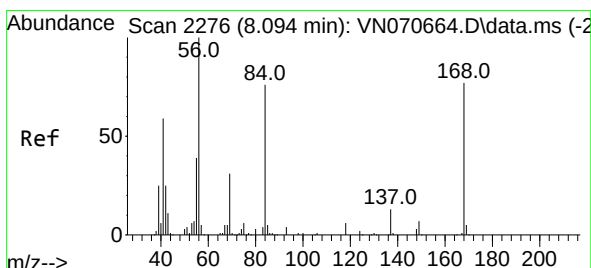
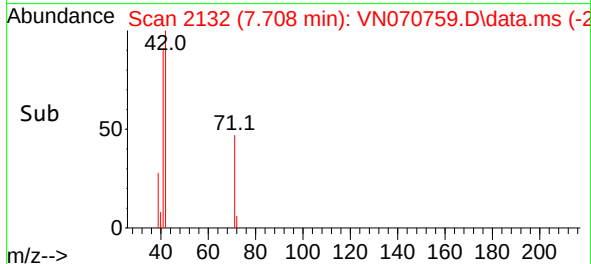
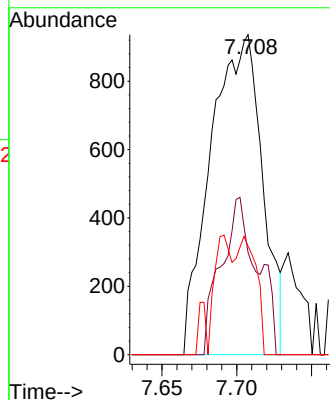
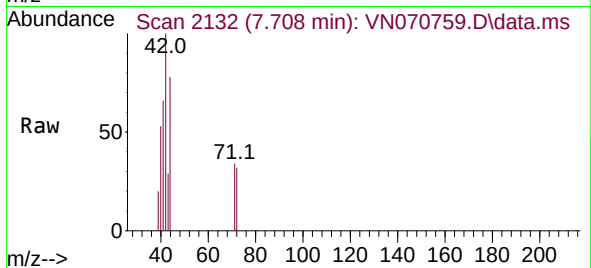
Instrument :

MSVOA_N

ClientSampleId :

TP-1

Tgt Ion:	42	Resp:	2245
Ion	Ratio	Lower	Upper
42	100		
72	29.6	36.3	54.5#
71	12.3	34.7	52.1#



#31

Cyclohexane

Concen: 0.908 ug/l

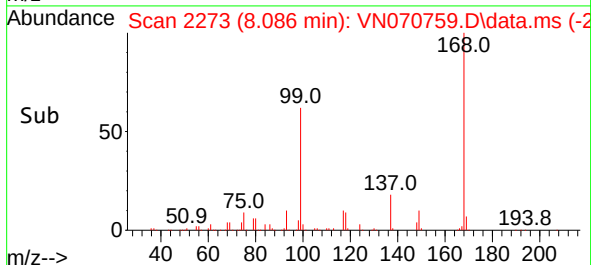
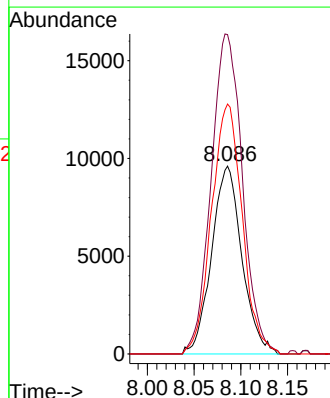
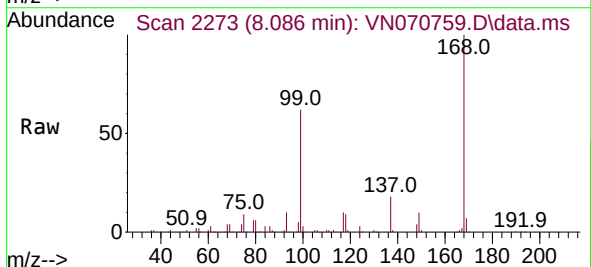
RT: 8.086 min Scan# 2273

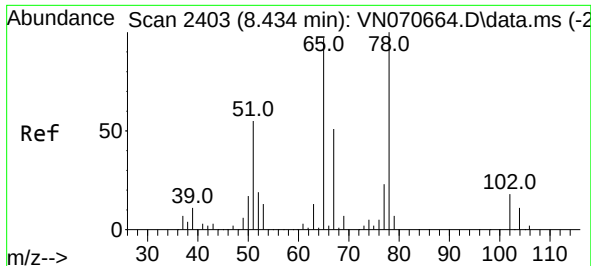
Delta R.T. -0.008 min

Lab File: VN070759.D

Acq: 24 Jan 2022 16:45

Tgt Ion:	56	Resp:	21679
Ion	Ratio	Lower	Upper
56	100		
69	170.1	27.1	40.7#
84	133.1	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.516 ug/l

RT: 8.437 min Scan# 2403

Delta R.T. 0.003 min

Lab File: VN070759.D

Acq: 24 Jan 2022 16:45

Instrument :

MSVOA_N

ClientSampleId :

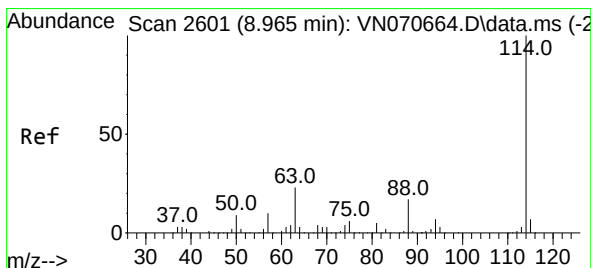
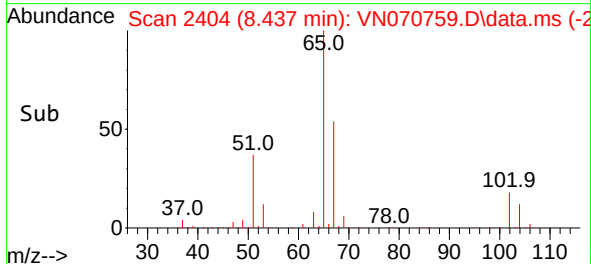
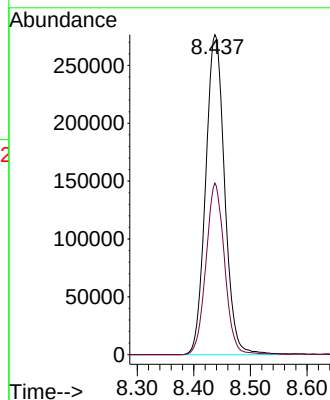
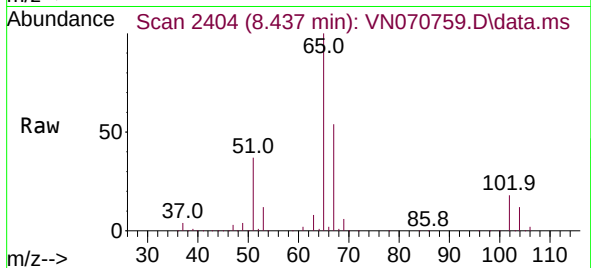
TP-1

Tgt Ion: 65 Resp: 644525

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. 0.000 min

Lab File: VN070759.D

Acq: 24 Jan 2022 16:45

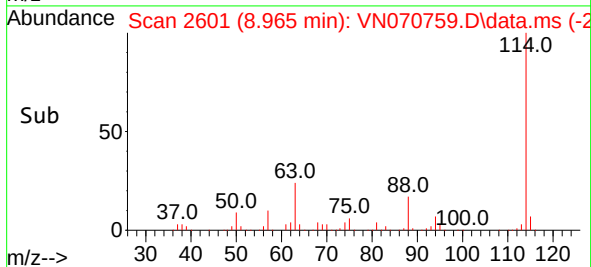
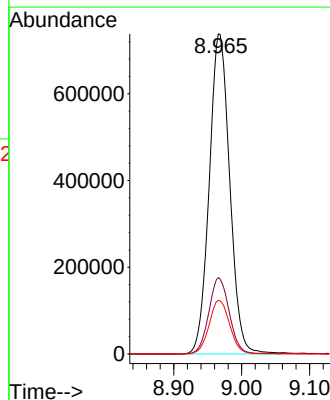
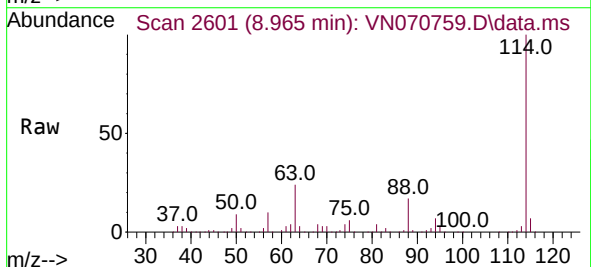
Tgt Ion: 114 Resp: 1547513

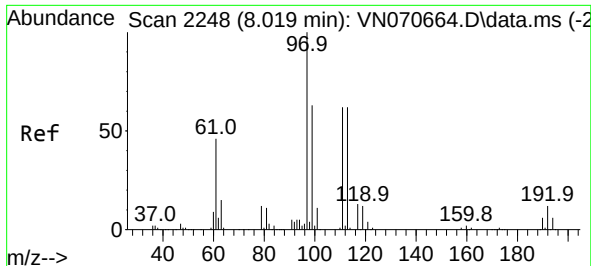
Ion Ratio Lower Upper

114 100

63 23.9 0.0 37.8

88 16.8 0.0 27.4





#35

Dibromofluoromethane

Concen: 46.226 ug/l

RT: 8.021 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070759.D

Acq: 24 Jan 2022 16:45

Instrument :

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ClientSampleId :

TP-1

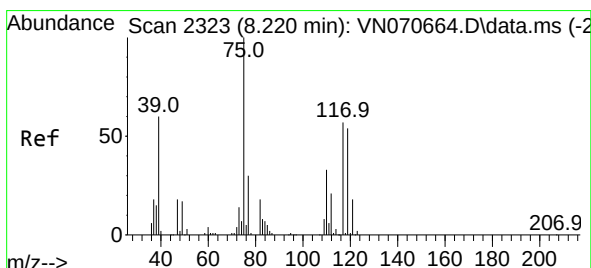
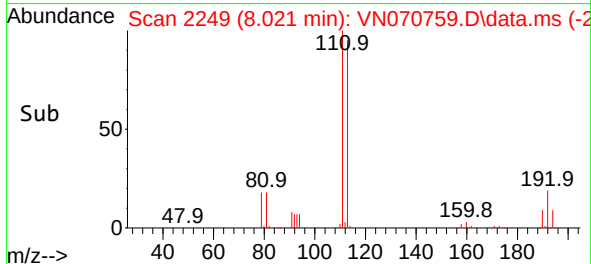
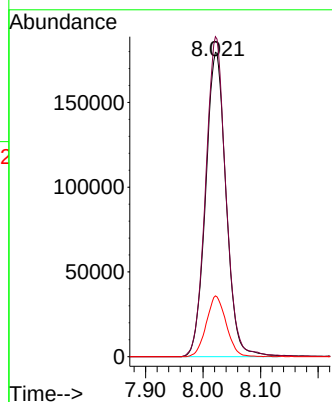
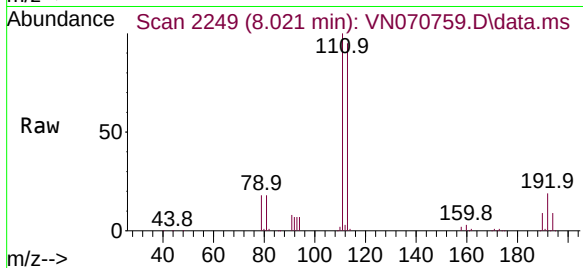
Tgt Ion:113 Resp: 443732

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.2

192 19.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.916 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.134 min

Lab File: VN070759.D

Acq: 24 Jan 2022 16:45

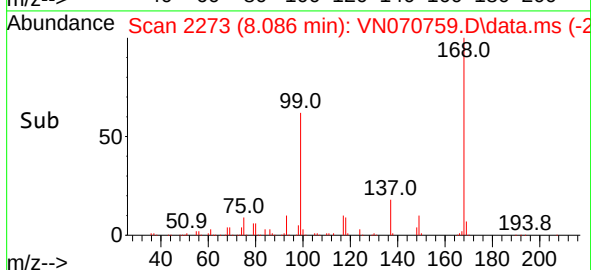
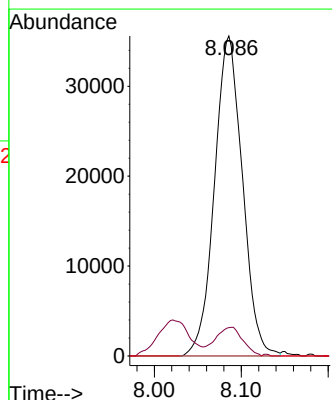
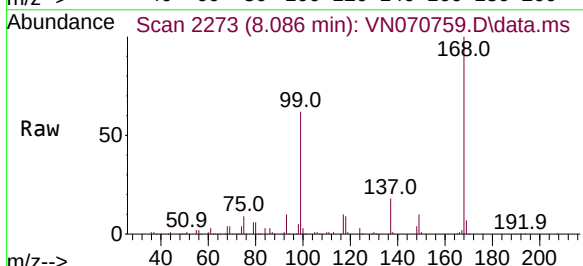
Tgt Ion: 75 Resp: 79443

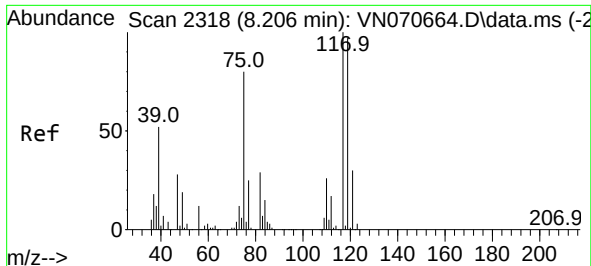
Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.2#

77 0.0 24.4 36.6#

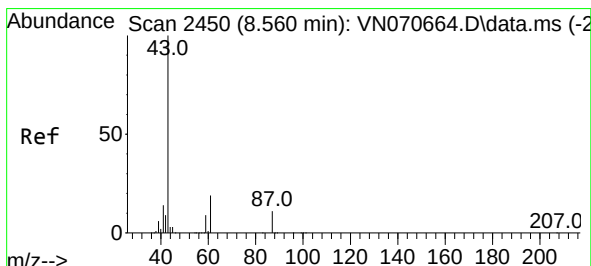
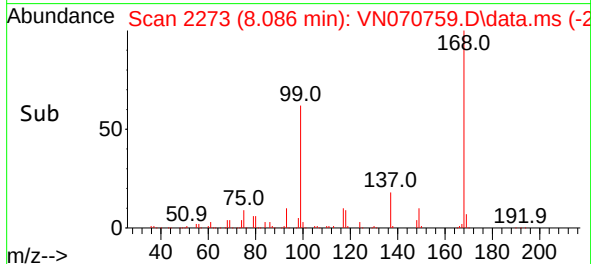
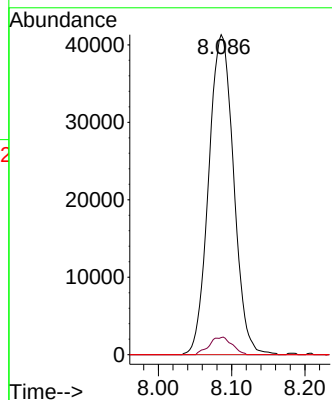
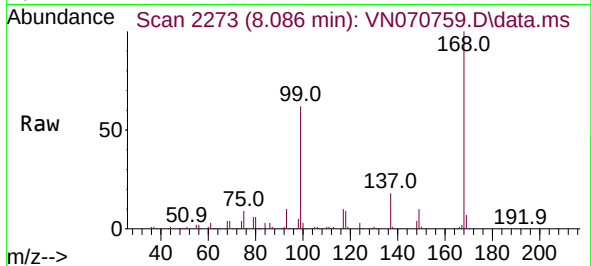




#38
Carbon Tetrachloride
Concen: 6.801 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

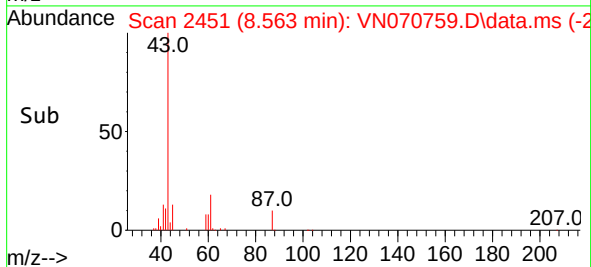
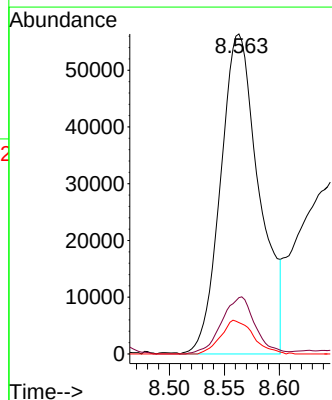
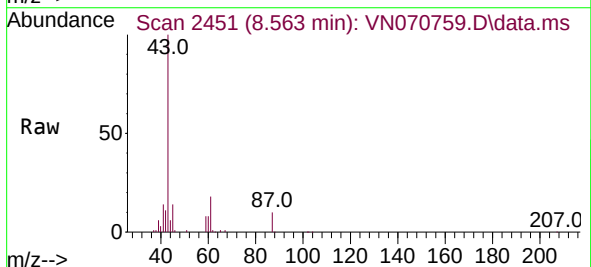
Instrument :
MSVOA_N
ClientSampleId :
TP-1

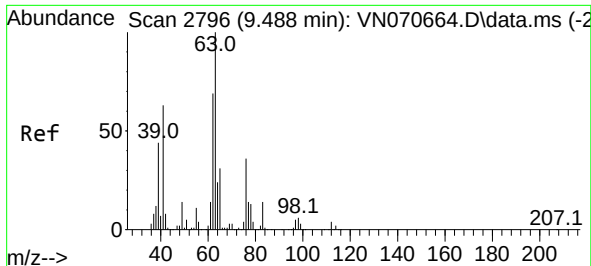
Tgt Ion:117 Resp: 97778
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.205 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

Tgt Ion: 43 Resp: 137796
Ion Ratio Lower Upper
43 100
61 15.5 20.4 30.6#
87 8.8 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.458 ug/l

RT: 9.622 min Scan# 21

Delta R.T. 0.134 min

Lab File: VN070759.D

Acq: 24 Jan 2022 16:45

Instrument :

MSVOA_N

ClientSampleId :

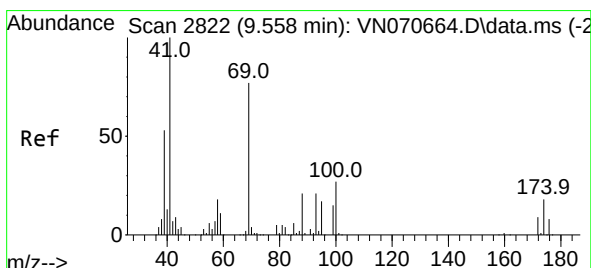
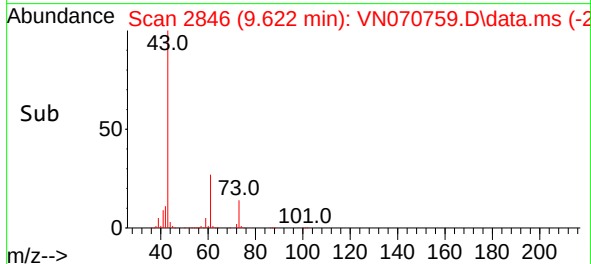
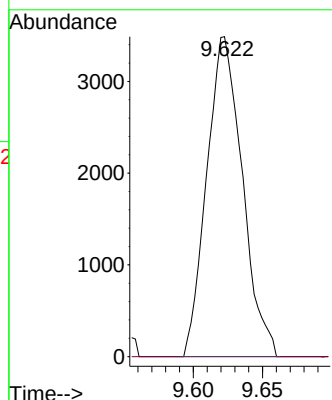
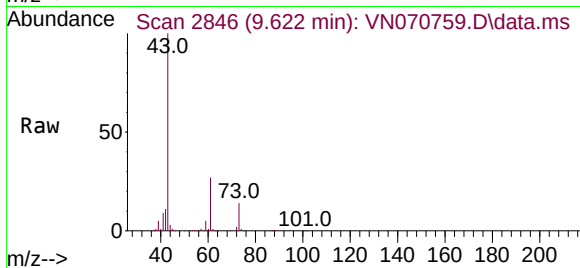
TP-1

Tgt Ion: 63 Resp: 6236

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.791 ug/l

RT: 9.545 min Scan# 2817

Delta R.T. -0.013 min

Lab File: VN070759.D

Acq: 24 Jan 2022 16:45

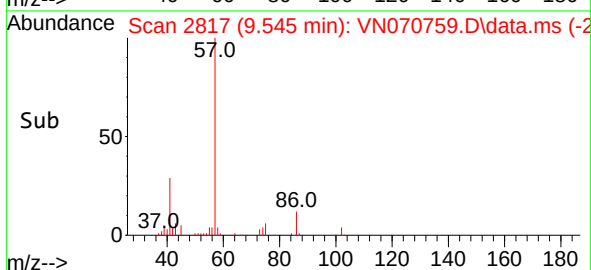
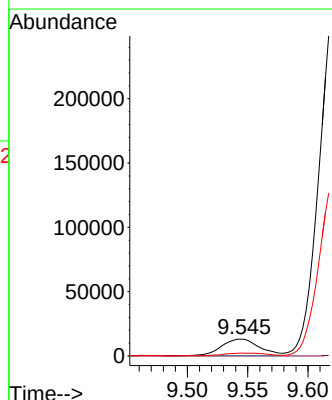
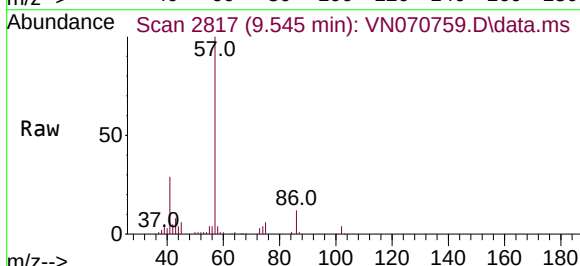
Tgt Ion: 41 Resp: 27954

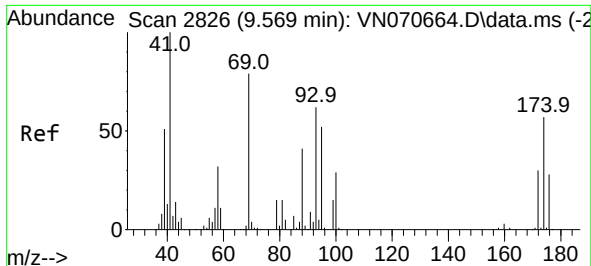
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 3.719 ug/l

RT: 9.622 min Scan# 2826

Delta R.T. 0.053 min

Lab File: VN070759.D

Acq: 24 Jan 2022 16:45

Instrument :

MSVOA_N

ClientSampleId :

TP-1

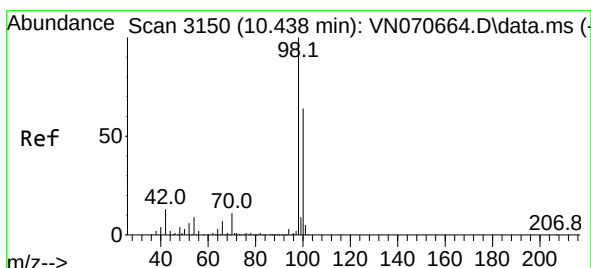
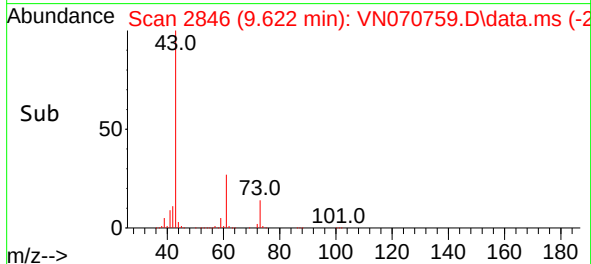
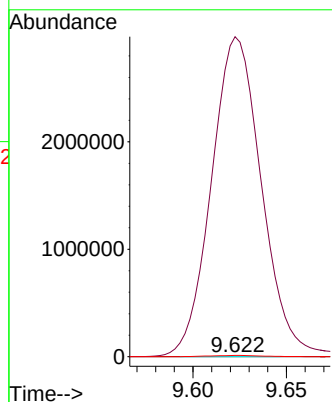
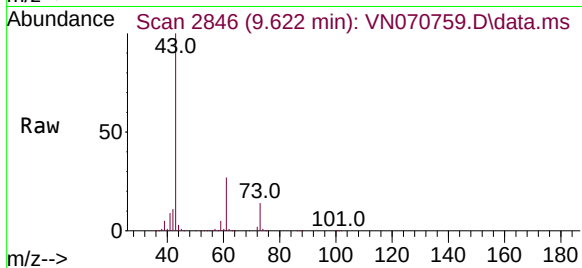
Tgt Ion: 88 Resp: 872

Ion Ratio Lower Upper

88 100

43 647891.6 23.4 35.2#

58 2500.1 50.6 75.8#



#50

Toluene-d8

Concen: 47.890 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070759.D

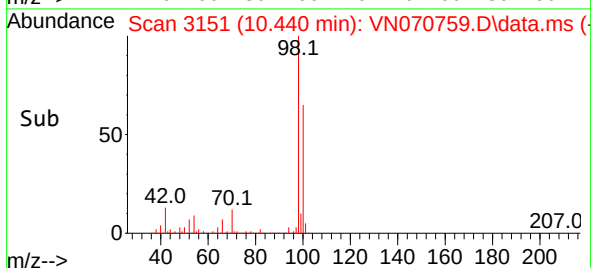
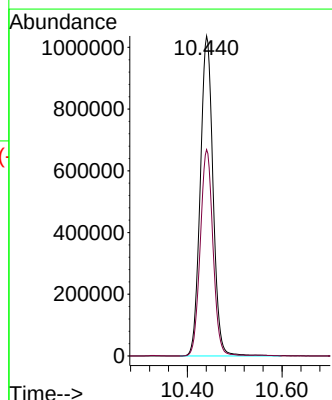
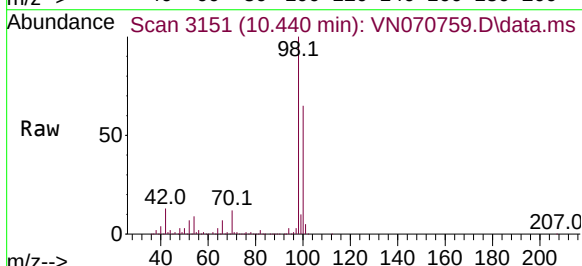
Acq: 24 Jan 2022 16:45

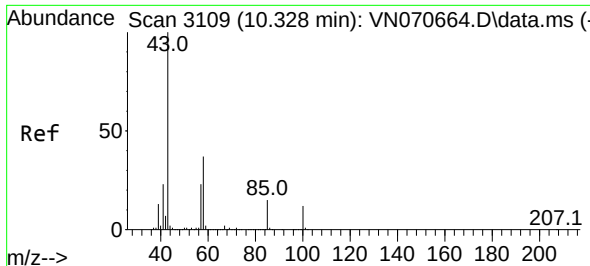
Tgt Ion: 98 Resp: 1936647

Ion Ratio Lower Upper

98 100

100 64.5 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 1.133 ug/l

RT: 10.331 min Scan# 3110

Delta R.T. 0.003 min

Lab File: VN070759.D

Acq: 24 Jan 2022 16:45

Instrument :

MSVOA_N

ClientSampleId :

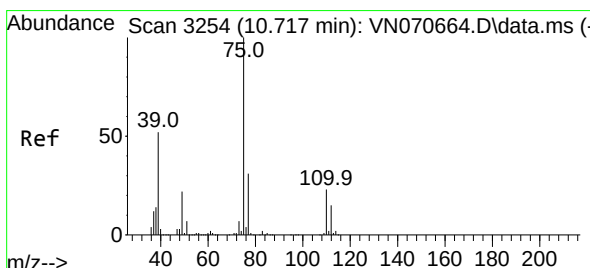
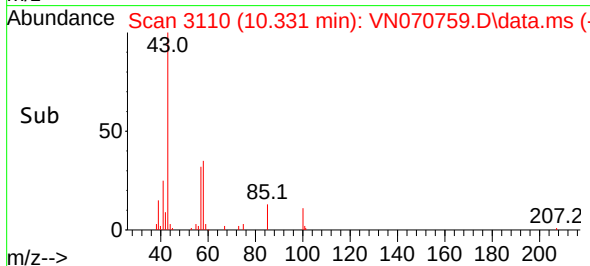
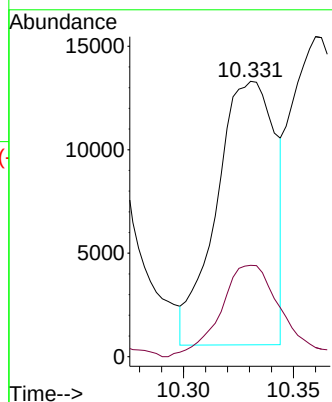
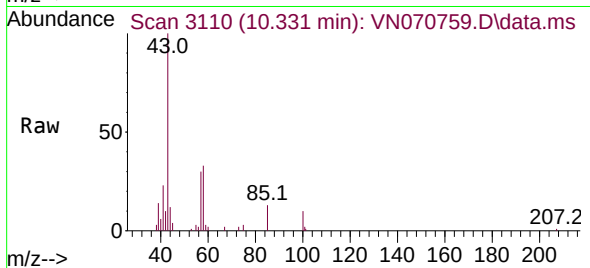
TP-1

Tgt Ion: 43 Resp: 23681

Ion Ratio Lower Upper

43 100

58 36.3 30.4 45.6



#53

t-1,3-Dichloropropene

Concen: 2.405 ug/l

RT: 10.711 min Scan# 3252

Delta R.T. -0.006 min

Lab File: VN070759.D

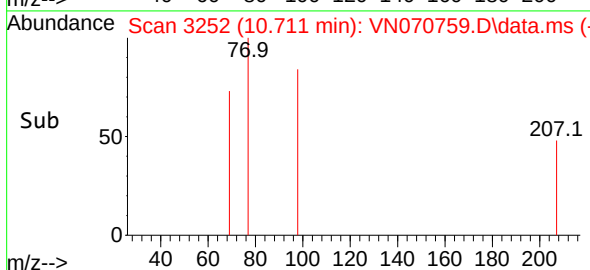
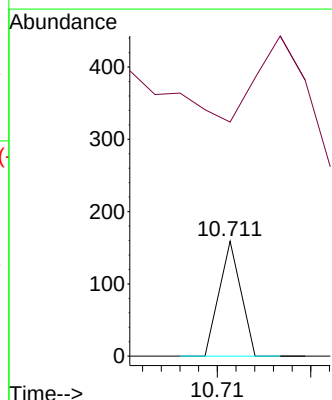
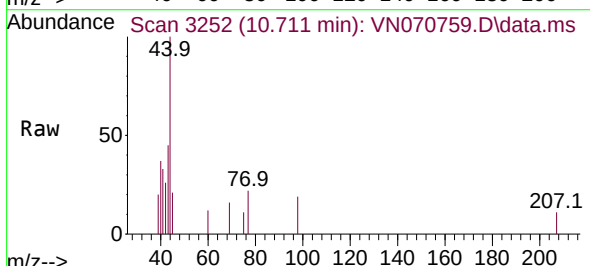
Acq: 24 Jan 2022 16:45

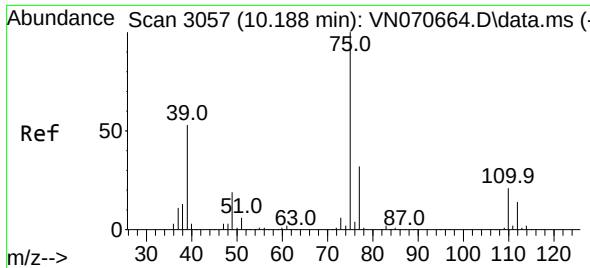
Tgt Ion: 75 Resp: 26

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

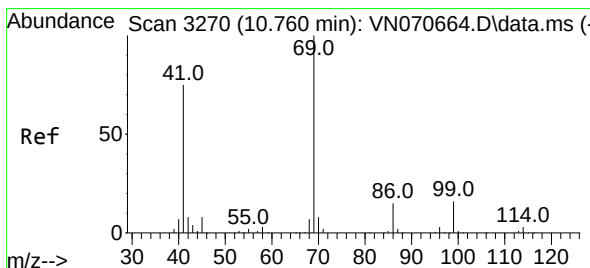
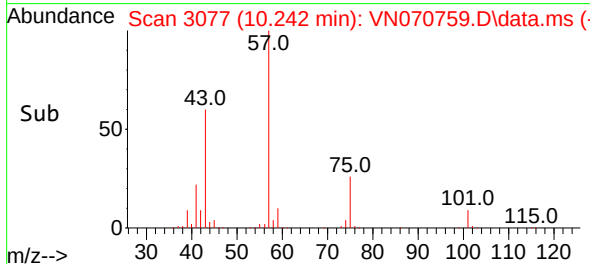
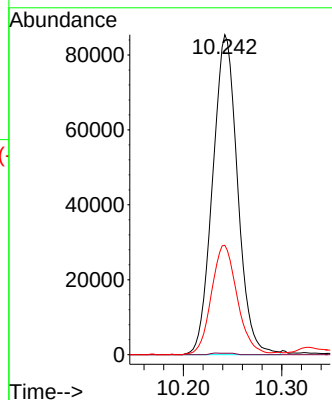
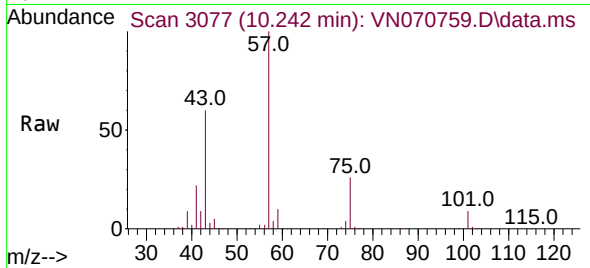




#54
cis-1,3-Dichloropropene
Concen: 7.759 ug/l
RT: 10.242 min Scan# 3057
Delta R.T. 0.054 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

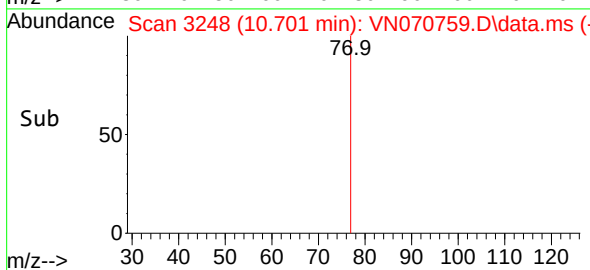
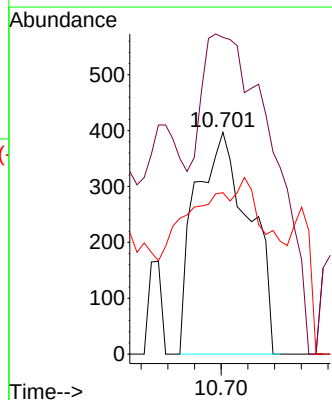
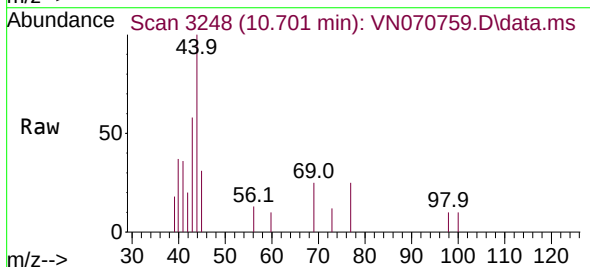
Instrument :
MSVOA_N
ClientSampleId :
TP-1

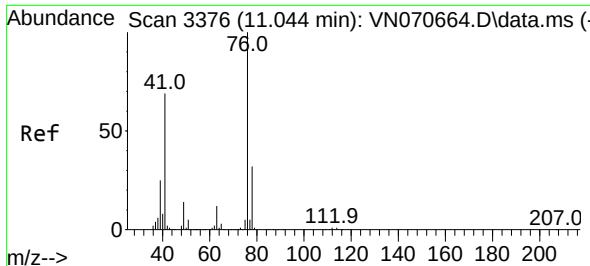
Tgt Ion: 75 Resp: 150680
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 34.2 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.325 ug/l
RT: 10.701 min Scan# 3248
Delta R.T. -0.059 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

Tgt Ion: 69 Resp: 556
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#

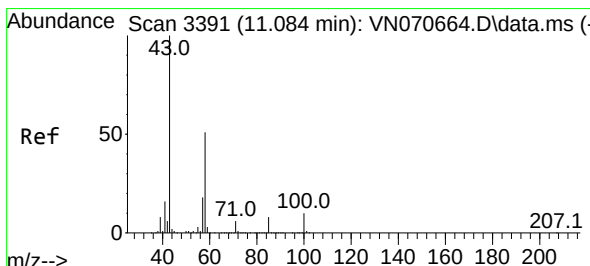
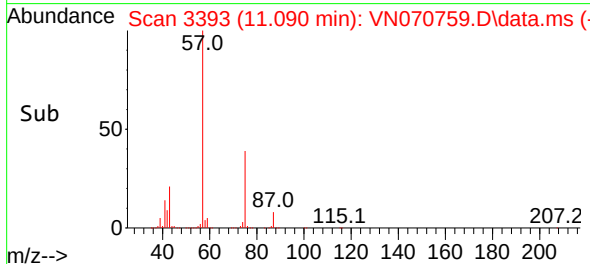
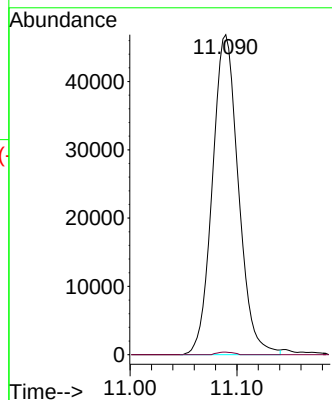
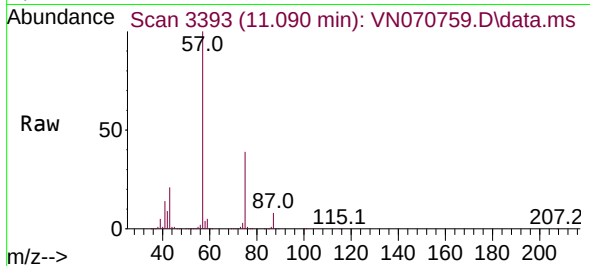




#57
1,3-Dichloropropane
Concen: 3.809 ug/l
RT: 11.090 min Scan# 31
Delta R.T. 0.046 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

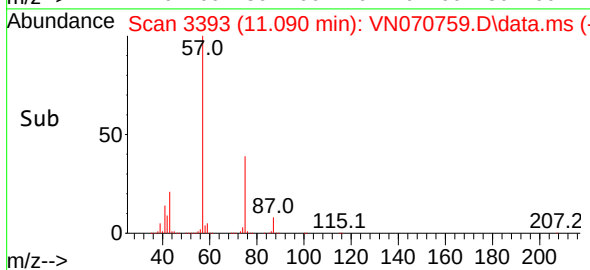
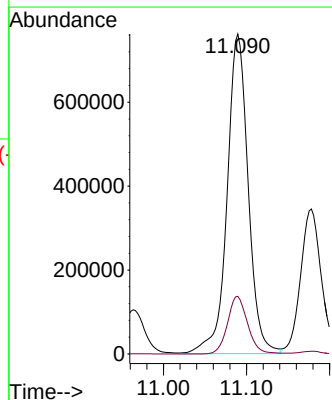
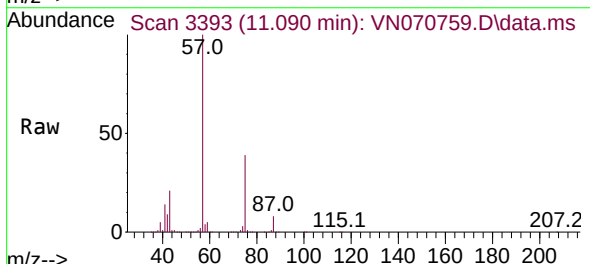
Instrument :
MSVOA_N
ClientSampleId :
TP-1

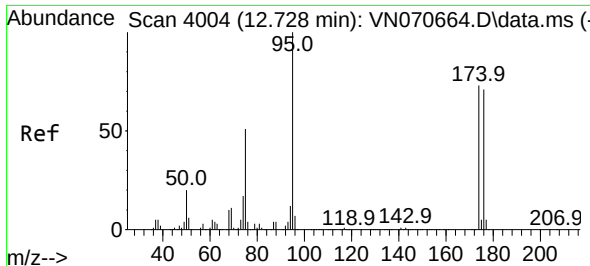
Tgt Ion: 76 Resp: 79348
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#



#59
2-Hexanone
Concen: 88.572 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.006 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

Tgt Ion: 43 Resp: 1345430
Ion Ratio Lower Upper
43 100
58 17.2 26.9 80.7#

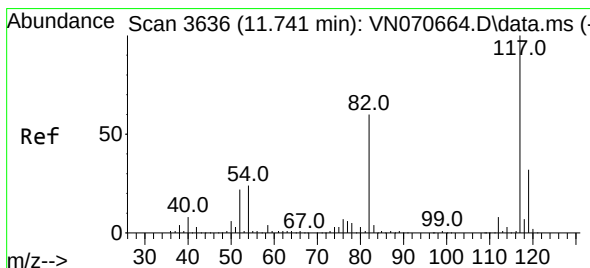
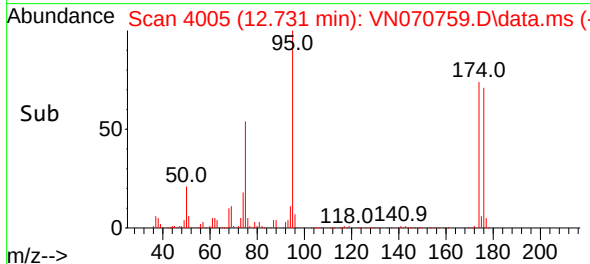
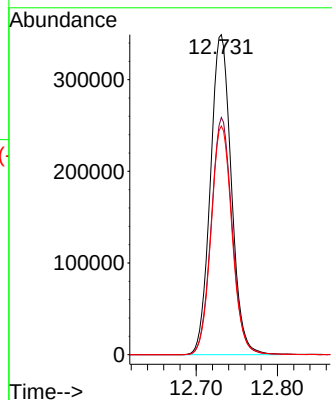
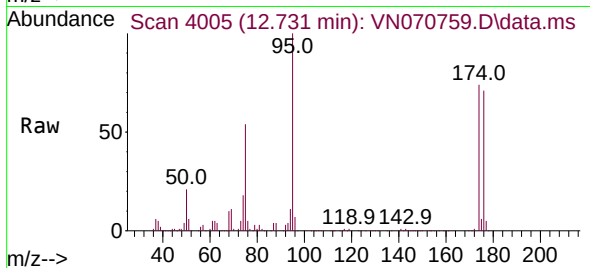




#62
4-Bromofluorobenzene
Concen: 43.362 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

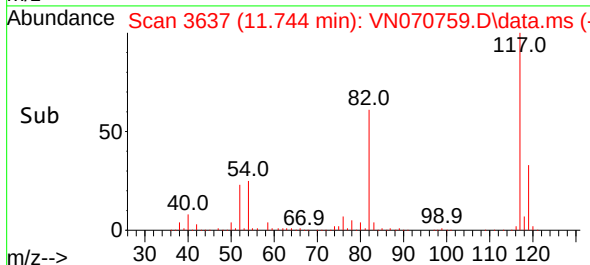
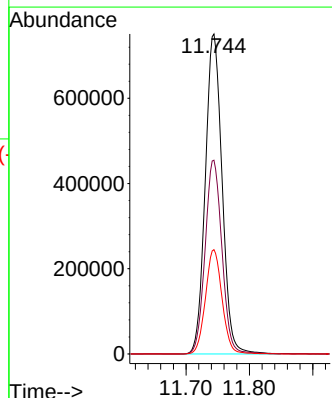
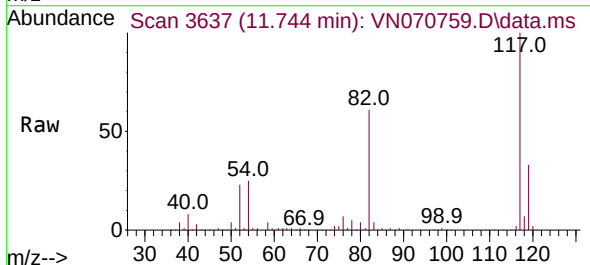
Instrument :
MSVOA_N
ClientSampleId :
TP-1

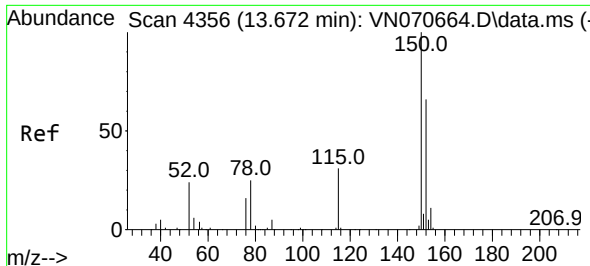
Tgt Ion: 95 Resp: 624861
Ion Ratio Lower Upper
95 100
174 74.3 0.0 187.2
176 71.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

Tgt Ion: 117 Resp: 1382967
Ion Ratio Lower Upper
117 100
82 60.6 42.4 63.6
119 32.6 25.4 38.2

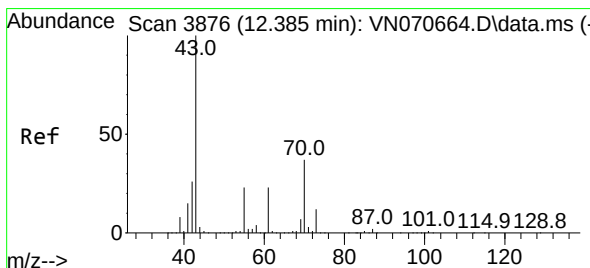
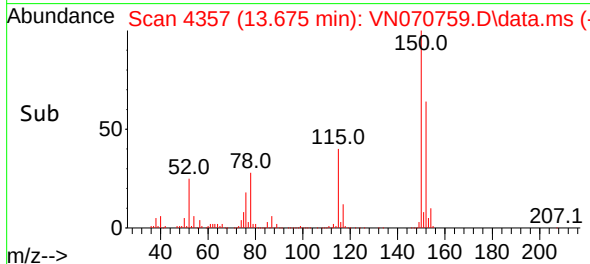
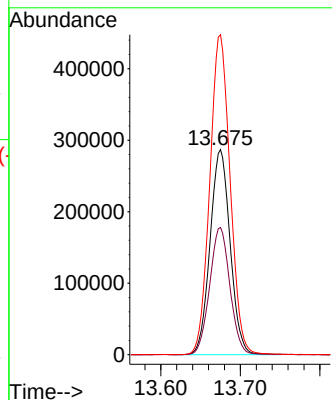
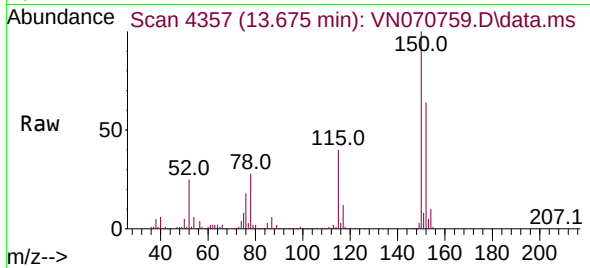




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

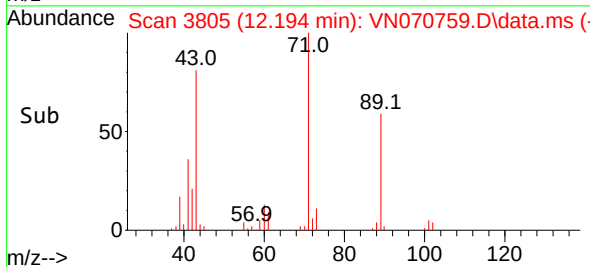
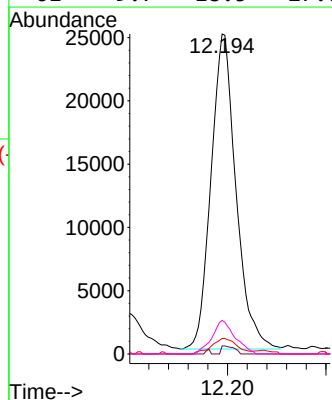
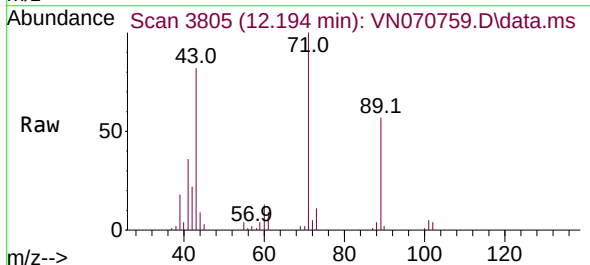
Instrument :
MSVOA_N
ClientSampleId :
TP-1

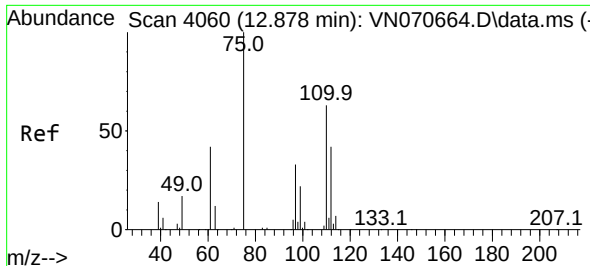
Tgt Ion:152 Resp: 503596
Ion Ratio Lower Upper
152 100
115 62.5 27.5 82.5
150 157.8 0.0 344.4



#74
N-ethyl acetate
Concen: 2.253 ug/l
RT: 12.194 min Scan# 3805
Delta R.T. -0.191 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

Tgt Ion: 43 Resp: 43883
Ion Ratio Lower Upper
43 100
70 1.3 33.4 50.0#
55 5.0 19.3 28.9#
61 9.7 18.5 27.7#

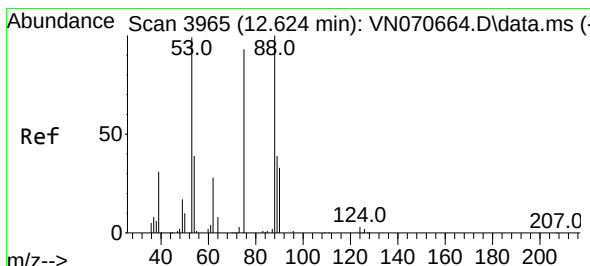
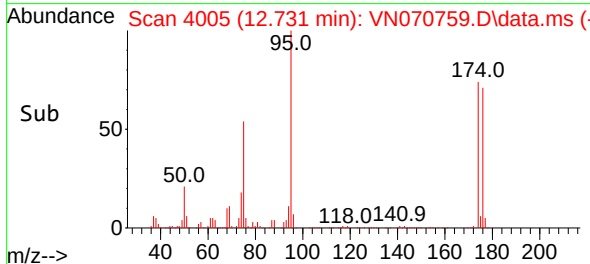
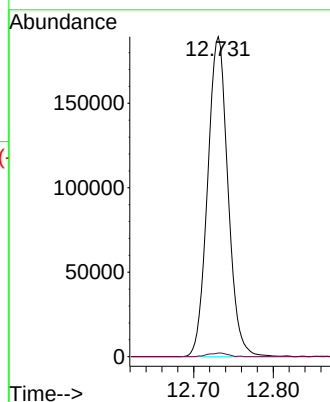
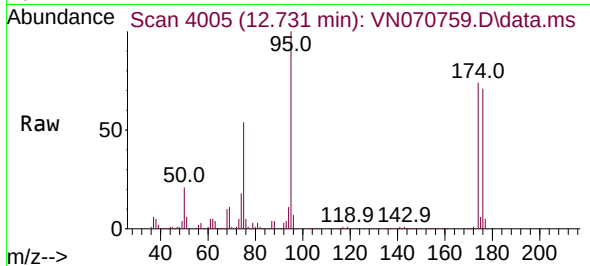




#76
1,2,3-Trichloropropane
Concen: 25.212 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

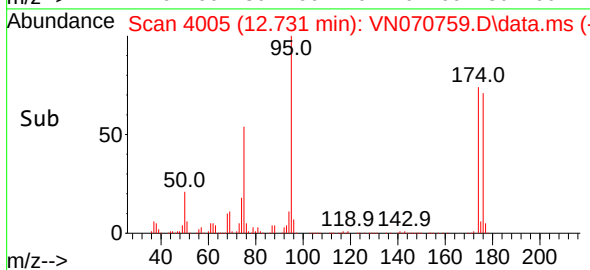
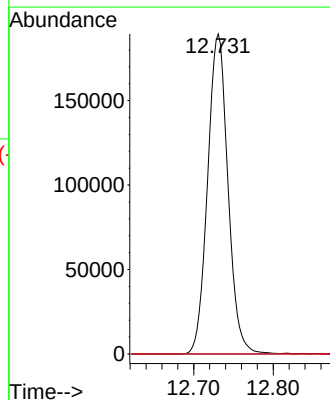
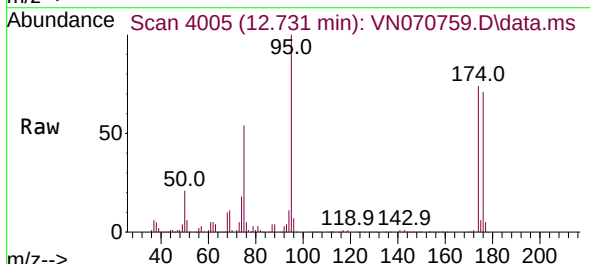
Instrument :
MSVOA_N
ClientSampleId :
TP-1

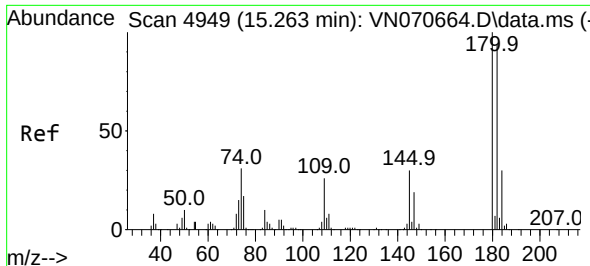
Tgt Ion: 75 Resp: 336752
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.111 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

Tgt Ion: 75 Resp: 336752
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

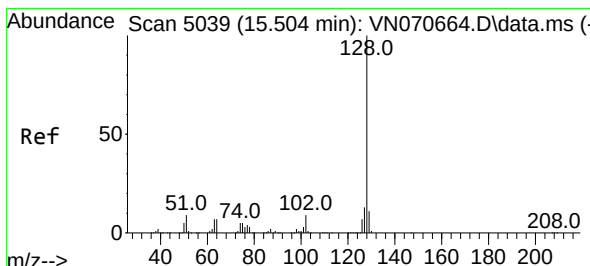
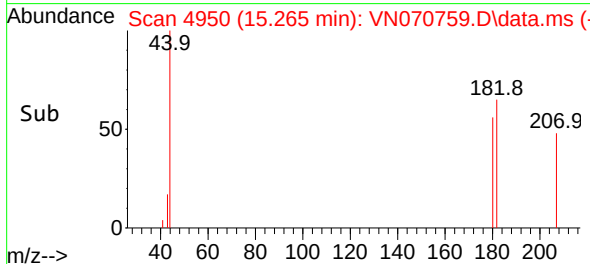
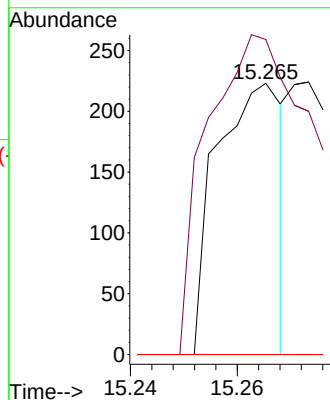
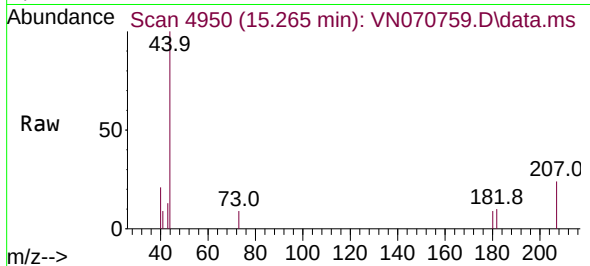




#93
1,2,4-Trichlorobenzene
Concen: 3.444 ug/l
RT: 15.265 min Scan# 4949
Delta R.T. 0.002 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

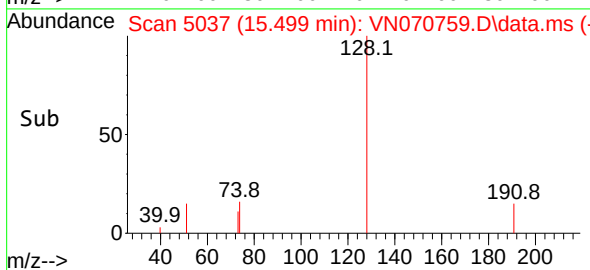
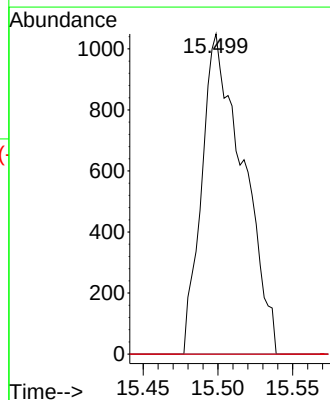
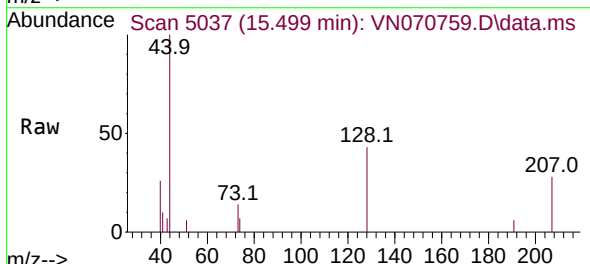
Instrument :
MSVOA_N
ClientSampleId :
TP-1

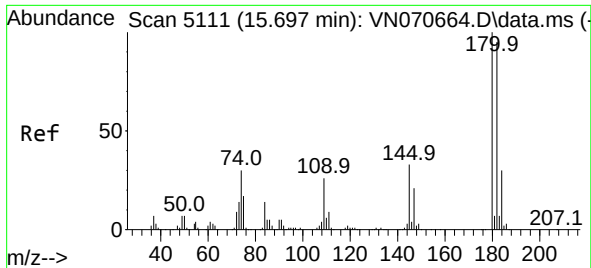
Tgt Ion:180 Resp: 189
Ion Ratio Lower Upper
180 100
182 207.9 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.018 ug/l
RT: 15.499 min Scan# 5037
Delta R.T. -0.005 min
Lab File: VN070759.D
Acq: 24 Jan 2022 16:45

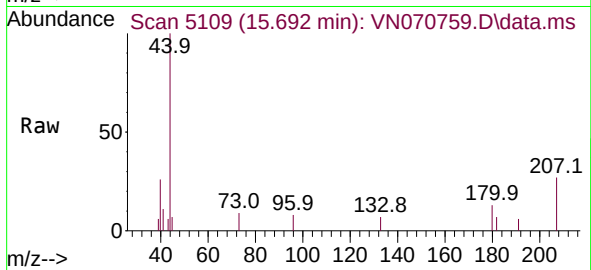
Tgt Ion:128 Resp: 2017
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.237 ug/l
 RT: 15.692 min Scan# 51
 Delta R.T. -0.005 min
 Lab File: VN070759.D
 Acq: 24 Jan 2022 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1



Tgt Ion:180 Resp: 202
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 0.0 15.0 45.1#

