

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013122\
 Data File : VN070859.D
 Acq On : 31 Jan 2022 18:15
 Operator : JC/MD
 Sample : N1313-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 17B-MISC-A

Quant Time: Feb 01 05:01:37 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)

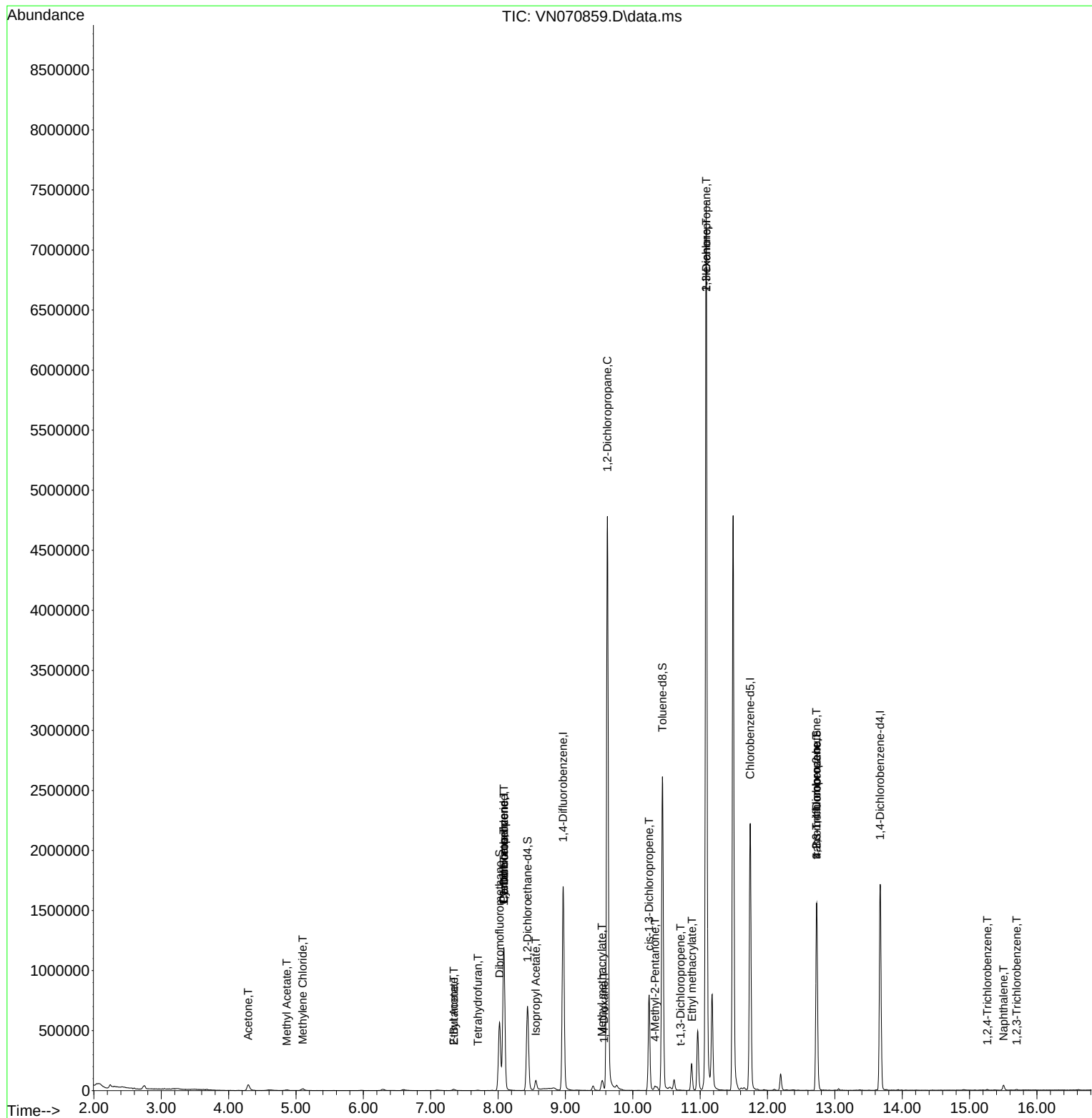
Internal Standards						
1) Pentafluorobenzene	8.086	168	912264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1432027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1289439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	471669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	611565	46.777	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.560%		
35) Dibromofluoromethane	8.021	113	421920	47.498	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.000%		
50) Toluene-d8	10.440	98	1794293	47.948	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.900%		
62) 4-Bromofluorobenzene	12.731	95	584538	43.835	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.680%		
Target Compounds					Qvalue	
16) Acetone	4.291	43	89656	9.880	ug/l	100
18) Methyl Acetate	4.862	43	10584	0.593	ug/l #	71
20) Methylene Chloride	5.098	84	6237	0.522	ug/l	88
25) 2-Butanone	7.343	43	19280	1.688	ug/l #	83
29) Tetrahydrofuran	7.699	42	2227	0.319	ug/l #	51
30) Chloroform	7.817	83	214	Below Cal	#	18
31) Cyclohexane	8.083	56	20871	0.907	ug/l #	11
36) 1,1-Dichloropropene	8.088	75	73969	4.946	ug/l #	46
37) Ethyl Acetate	7.343	43	19280	0.971	ug/l #	68
38) Carbon Tetrachloride	8.086	117	92752	6.972	ug/l #	16
43) Isopropyl Acetate	8.560	43	99692	3.288	ug/l #	88
45) 1,2-Dichloropropane	9.622	63	5560	0.441	ug/l #	44
48) Methyl methacrylate	9.542	41	25153	1.741	ug/l #	8
49) 1,4-Dioxane	9.574	88	54	0.249	ug/l #	27
51) 4-Methyl-2-Pentanone	10.330	43	22100	1.142	ug/l	92
53) t-1,3-Dichloropropene	10.709	75	121	2.410	ug/l	96
54) cis-1,3-Dichloropropene	10.242	75	136552	7.599	ug/l #	62
56) Ethyl methacrylate	10.878	69	983	2.347	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	76711	3.980	ug/l #	43
59) 2-Hexanone	11.089	43	1271378	90.447	ug/l #	49
76) 1,2,3-Trichloropropane	12.728	75	314099	25.108	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	314099	74.801	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	2088	3.648	ug/l	92
95) Naphthalene	15.504	128	37890	6.344	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	2354	3.480	ug/l	96

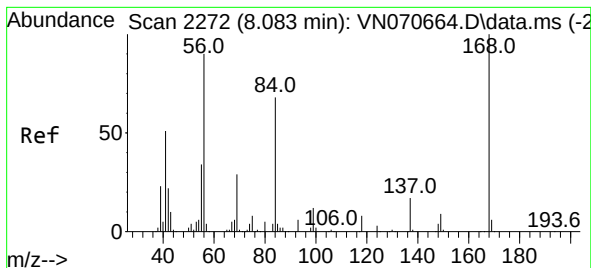
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN070859.D

Acq: 31 Jan 2022 18:15

Instrument :

MSVOA_N

ClientSampleId :

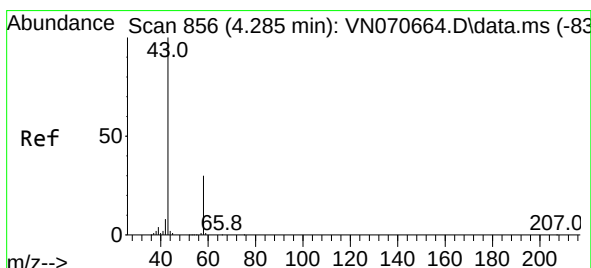
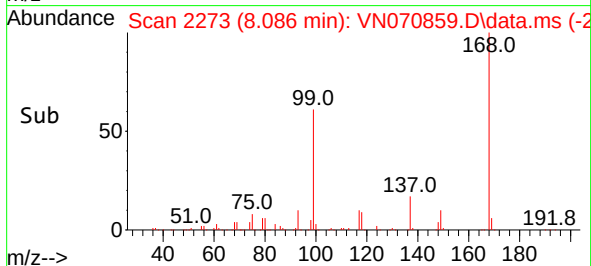
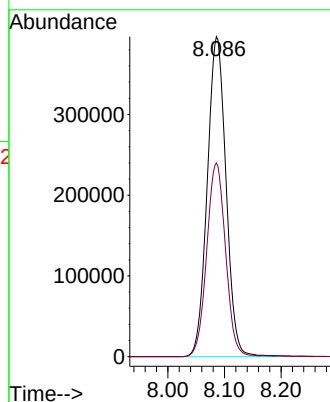
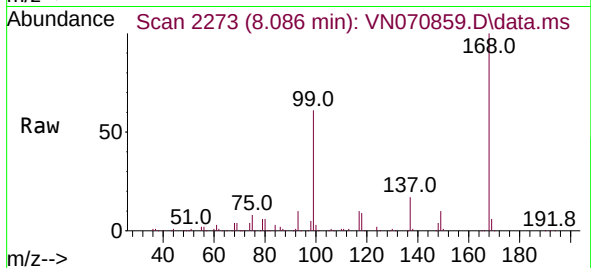
17B-MISC-A

Tgt Ion:168 Resp: 912264

Ion Ratio Lower Upper

168 100

99 60.6 41.3 61.9



#16

Acetone

Concen: 9.880 ug/l

RT: 4.291 min Scan# 858

Delta R.T. 0.006 min

Lab File: VN070859.D

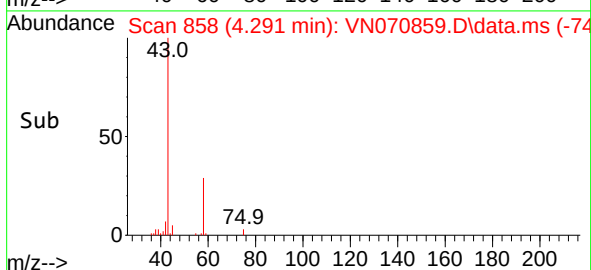
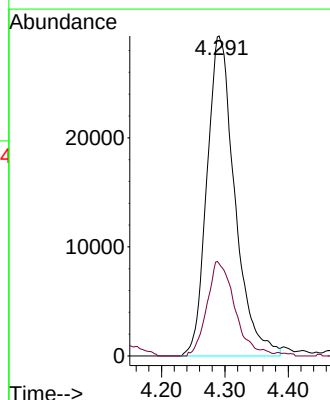
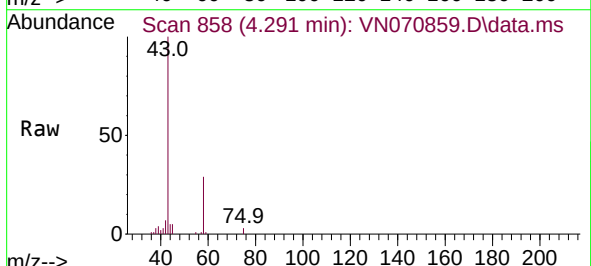
Acq: 31 Jan 2022 18:15

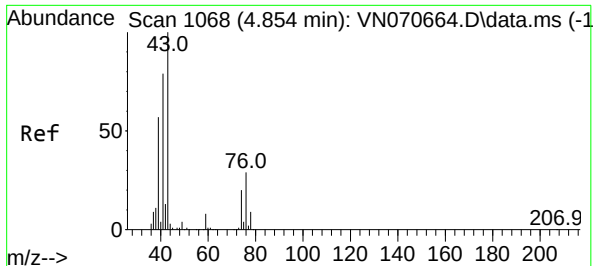
Tgt Ion: 43 Resp: 89656

Ion Ratio Lower Upper

43 100

58 28.9 23.1 34.7





#18

Methyl Acetate

Concen: 0.593 ug/l

RT: 4.862 min Scan# 1105

Delta R.T. 0.008 min

Lab File: VN070859.D

Acq: 31 Jan 2022 18:15

Instrument :

MSVOA_N

ClientSampleId :

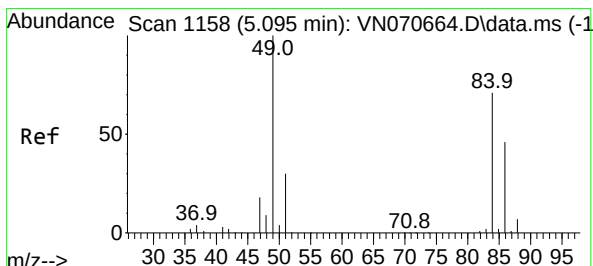
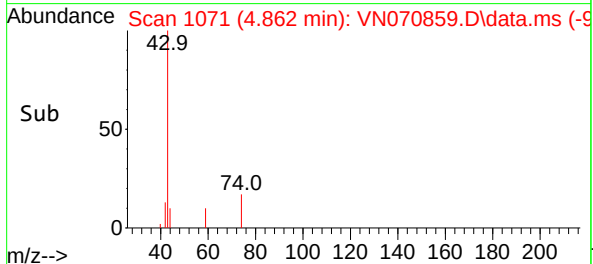
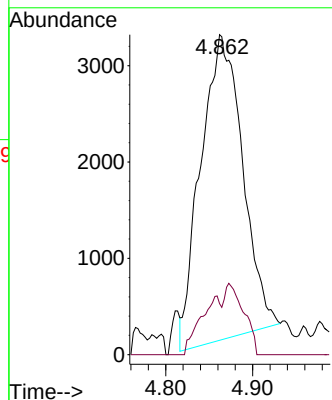
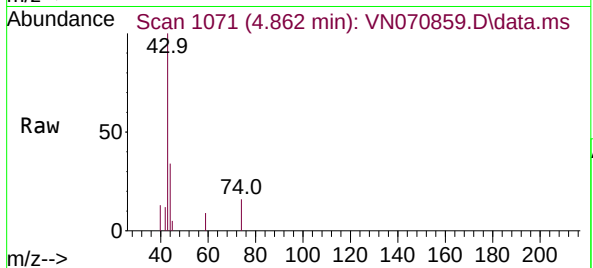
17B-MISC-A

Tgt Ion: 43 Resp: 10584

Ion Ratio Lower Upper

43 100

74 9.7 19.4 29.2#



#20

Methylene Chloride

Concen: 0.522 ug/l

RT: 5.098 min Scan# 1159

Delta R.T. 0.003 min

Lab File: VN070859.D

Acq: 31 Jan 2022 18:15

Tgt Ion: 84 Resp: 6237

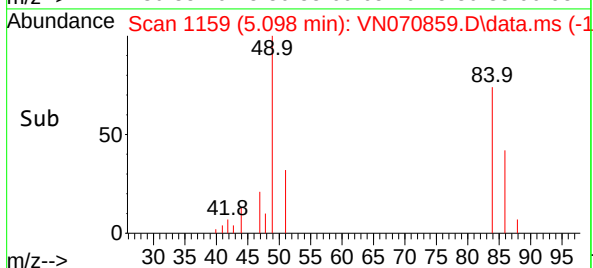
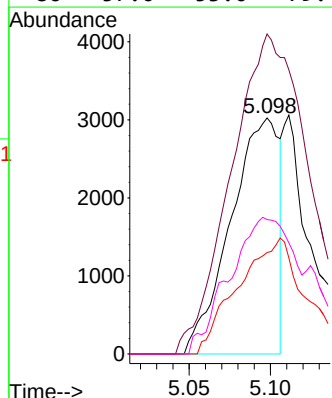
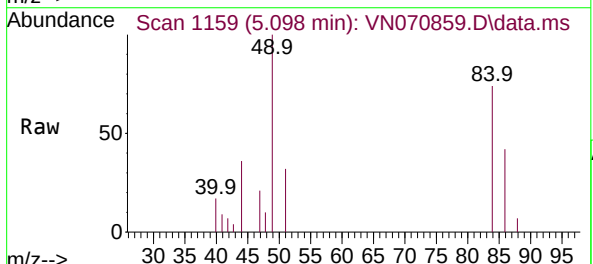
Ion Ratio Lower Upper

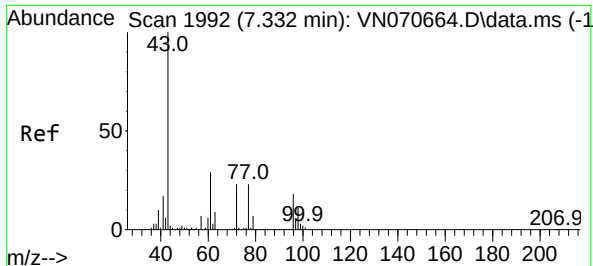
84 100

49 129.9 93.5 140.3

51 43.0 29.4 44.2

86 57.0 53.0 79.4





#25

2-Butanone

Concen: 1.688 ug/l

RT: 7.343 min Scan# 1992

Delta R.T. 0.011 min

Lab File: VN070859.D

Acq: 31 Jan 2022 18:15

Instrument :

MSVOA_N

ClientSampleId :

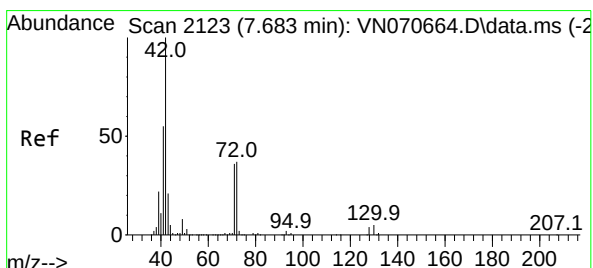
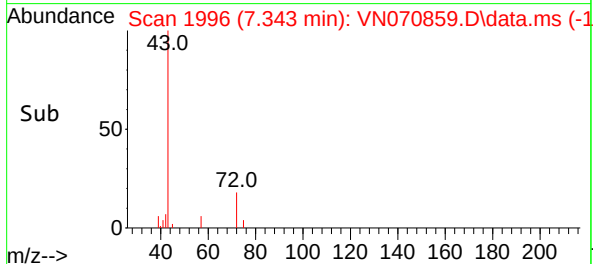
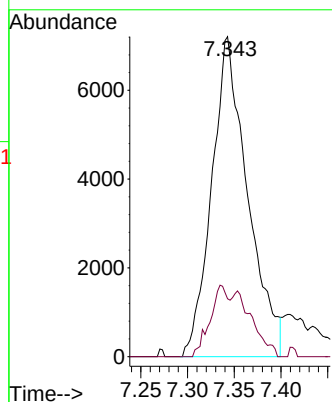
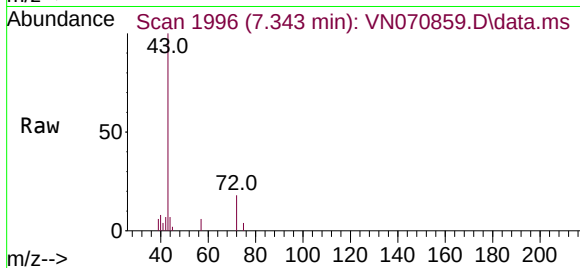
17B-MISC-A

Tgt Ion: 43 Resp: 19280

Ion Ratio Lower Upper

43 100

72 18.1 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.319 ug/l

RT: 7.699 min Scan# 2129

Delta R.T. 0.016 min

Lab File: VN070859.D

Acq: 31 Jan 2022 18:15

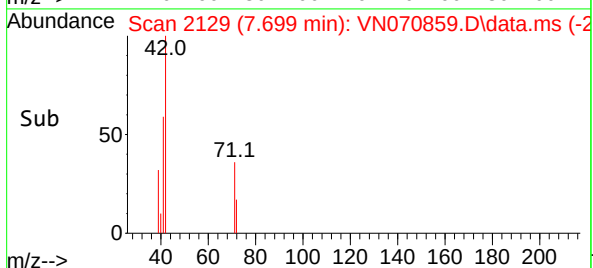
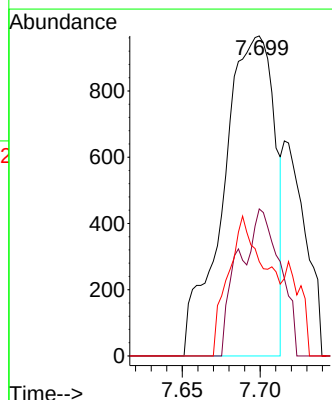
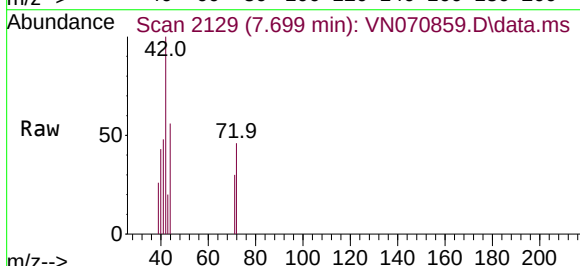
Tgt Ion: 42 Resp: 2227

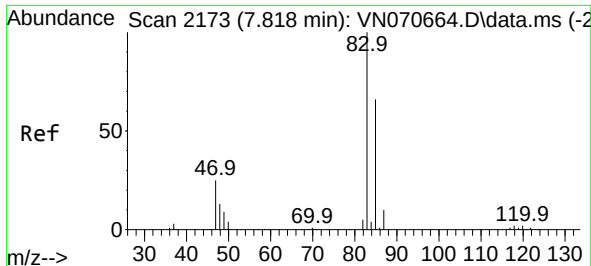
Ion Ratio Lower Upper

42 100

72 25.2 36.3 54.5#

71 0.0 34.7 52.1#

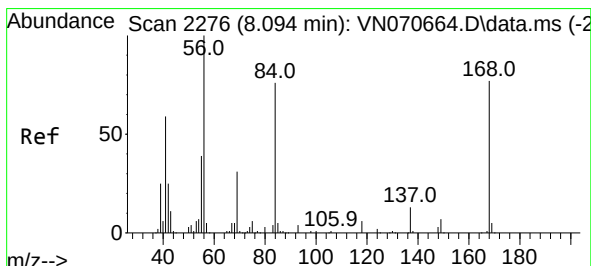
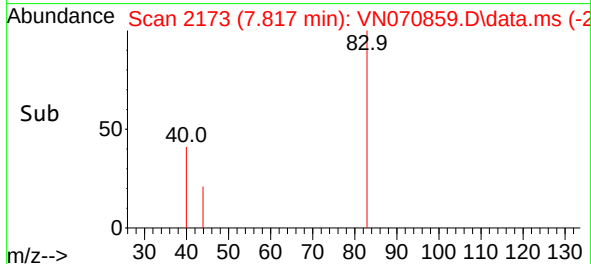
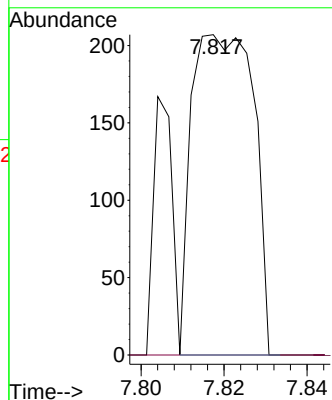
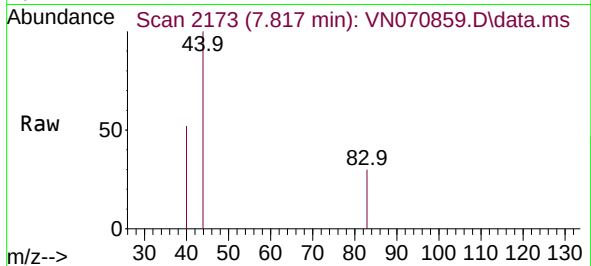




#30
Chloroform
Concen: Below Cal
RT: 7.817 min Scan# 2173
Delta R.T. -0.001 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

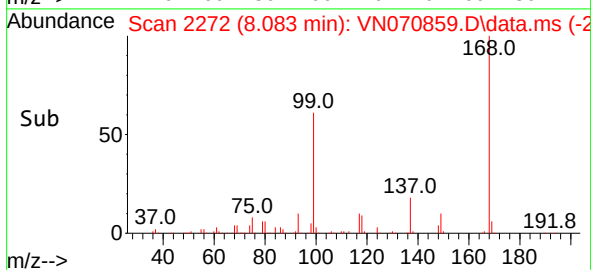
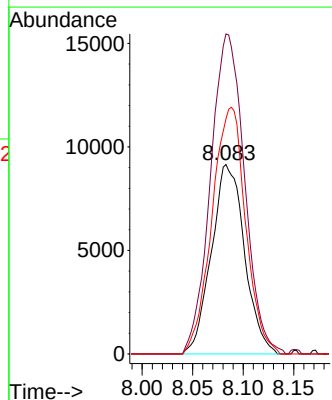
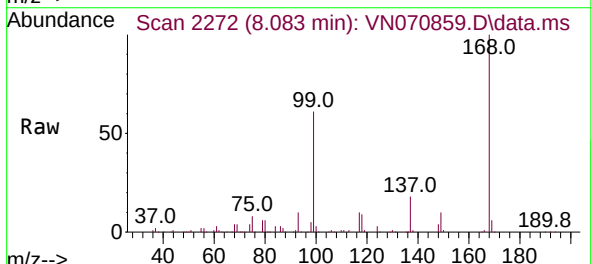
Instrument :
MSVOA_N
ClientSampleId :
17B-MISC-A

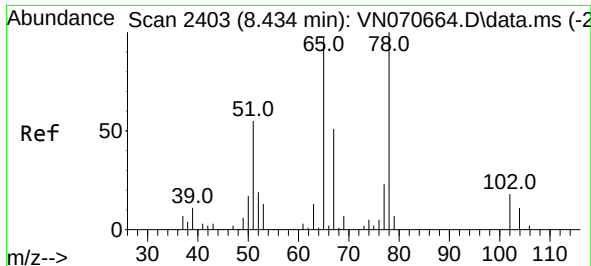
Tgt Ion: 83 Resp: 214
Ion Ratio Lower Upper
83 100
85 0.0 51.9 77.9#



#31
Cyclohexane
Concen: 0.907 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

Tgt Ion: 56 Resp: 20871
Ion Ratio Lower Upper
56 100
69 168.9 27.1 40.7#
84 124.1 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 46.777 ug/l

RT: 8.437 min Scan# 2403

Delta R.T. 0.003 min

Lab File: VN070859.D

Acq: 31 Jan 2022 18:15

Instrument :

MSVOA_N

ClientSampleId :

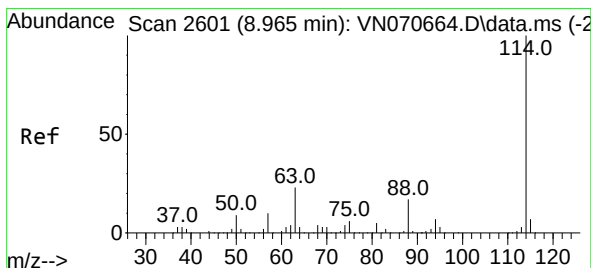
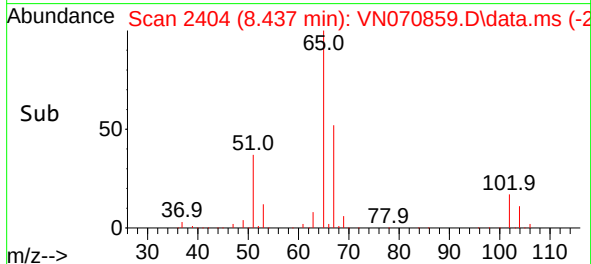
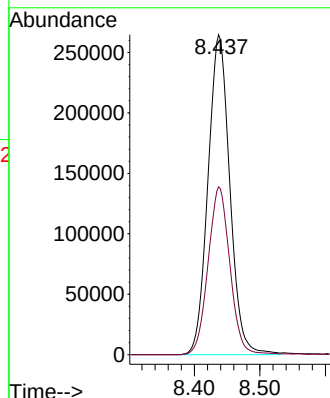
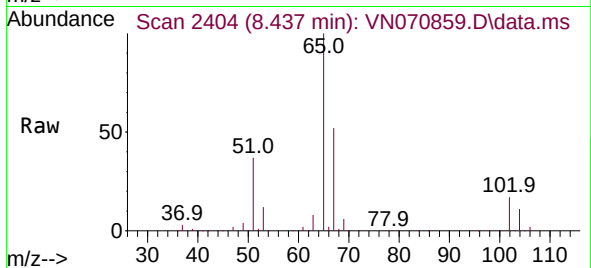
17B-MISC-A

Tgt Ion: 65 Resp: 611565

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: VN070859.D

Acq: 31 Jan 2022 18:15

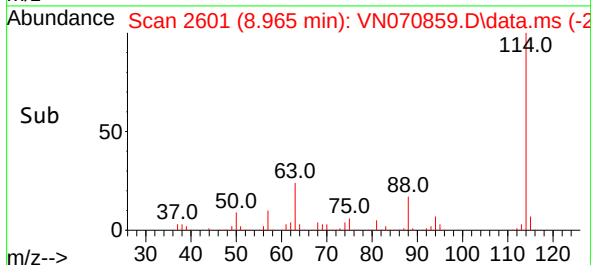
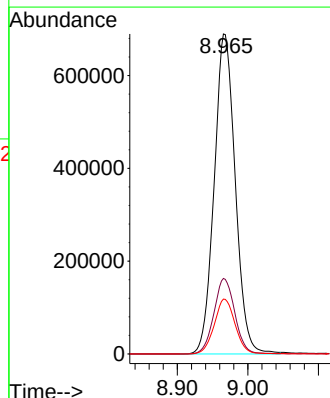
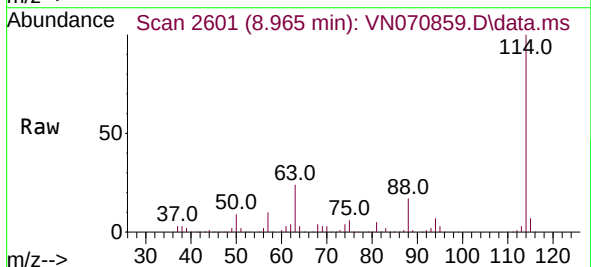
Tgt Ion: 114 Resp: 1432027

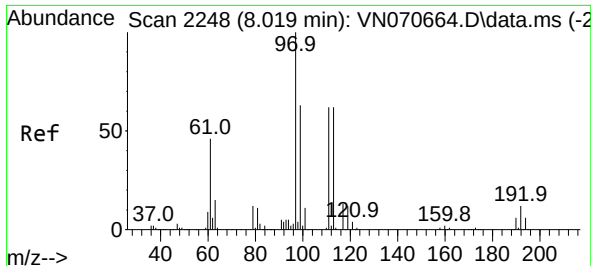
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

88 17.2 0.0 27.4





#35

Dibromofluoromethane

Concen: 47.498 ug/l

RT: 8.021 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070859.D

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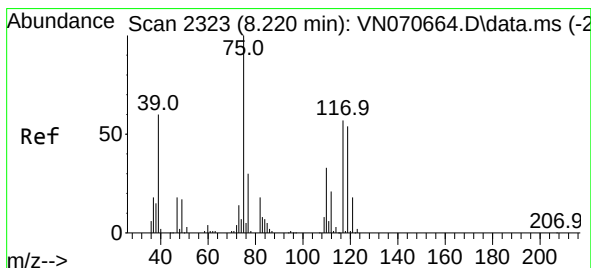
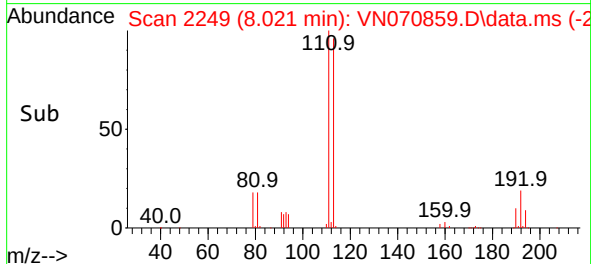
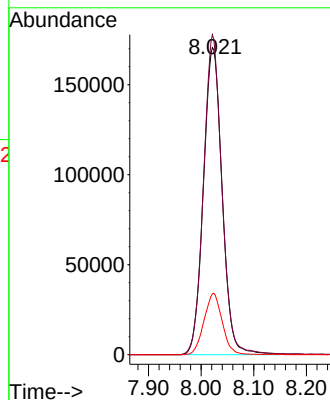
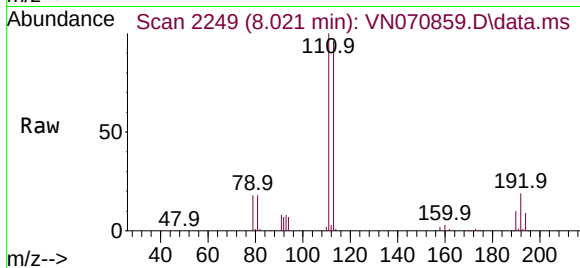
Tgt Ion:113 Resp: 421920

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

192 19.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.946 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.132 min

Lab File: VN070859.D

Acq: 31 Jan 2022 18:15

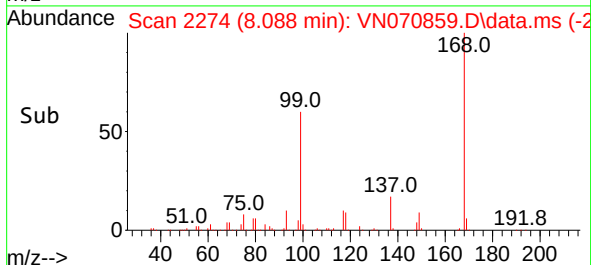
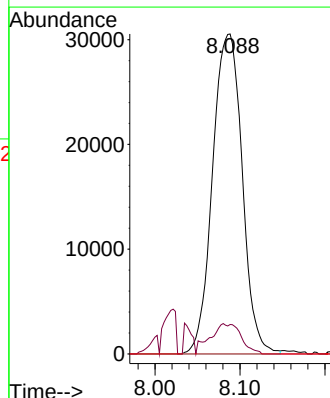
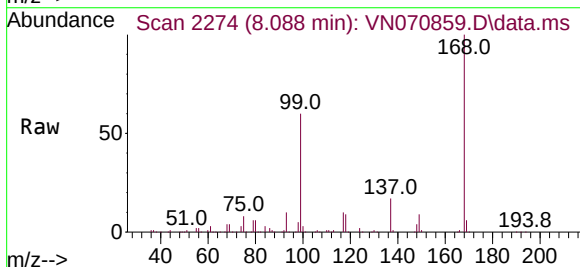
Tgt Ion: 75 Resp: 73969

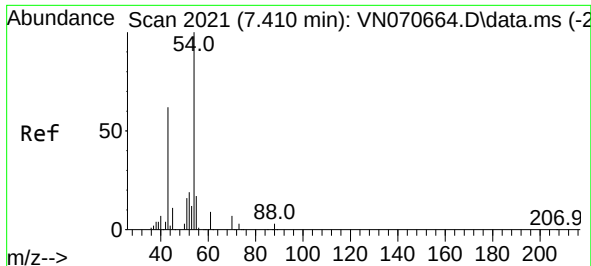
Ion Ratio Lower Upper

75 100

110 5.8 18.4 55.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.971 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. -0.067 min

Lab File: VN070859.D

Acq: 31 Jan 2022 18:15

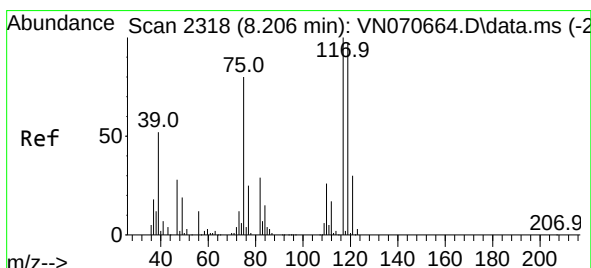
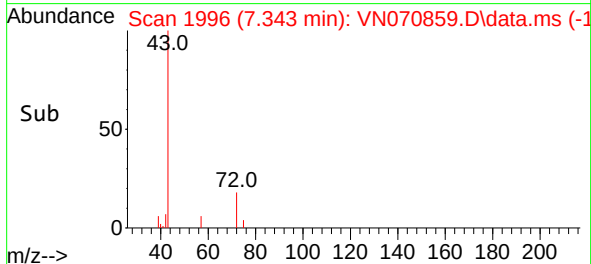
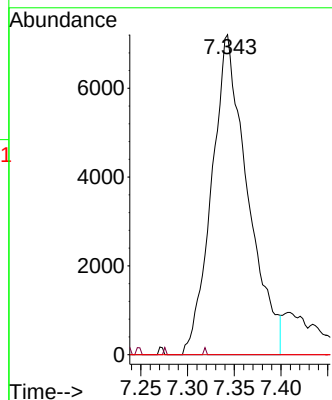
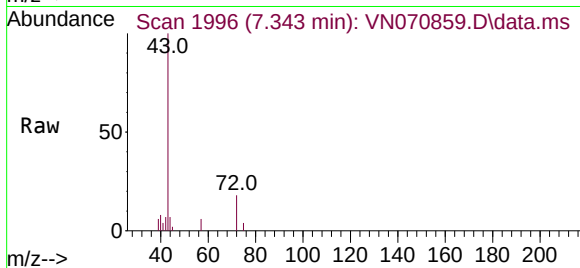
Instrument :

MSVOA_N

ClientSampleId :

17B-MISC-A

Tgt Ion:	43	Resp:	19280
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 6.972 ug/l

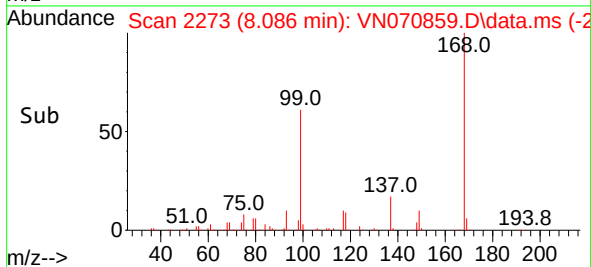
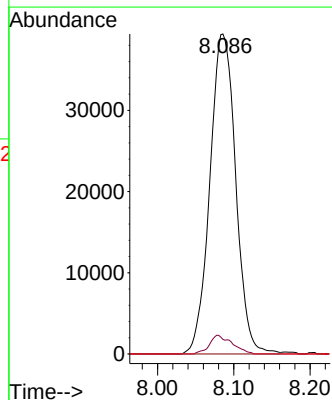
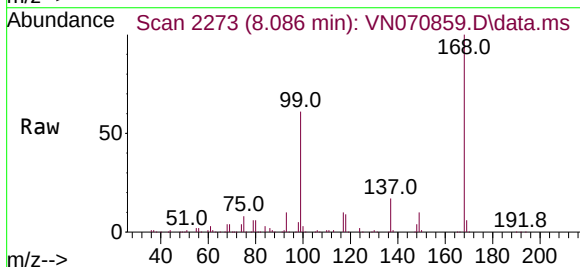
RT: 8.086 min Scan# 2273

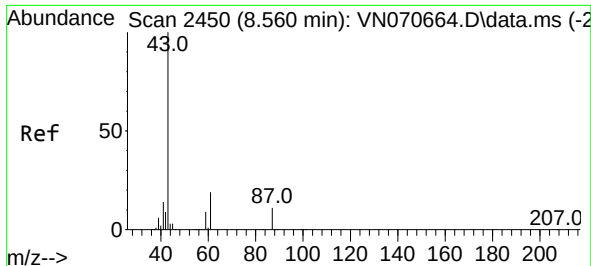
Delta R.T. -0.120 min

Lab File: VN070859.D

Acq: 31 Jan 2022 18:15

Tgt Ion:	117	Resp:	92752
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.1	114.1#
121	0.0	24.2	36.2#

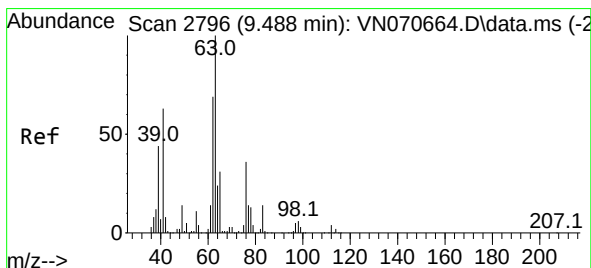
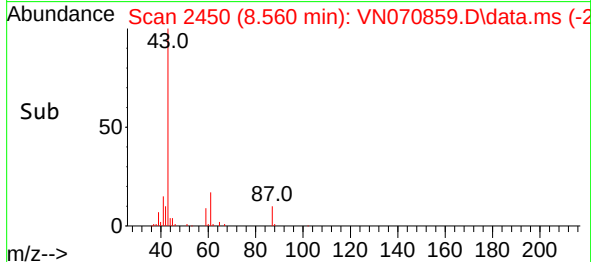
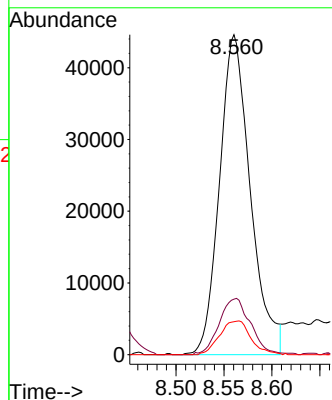
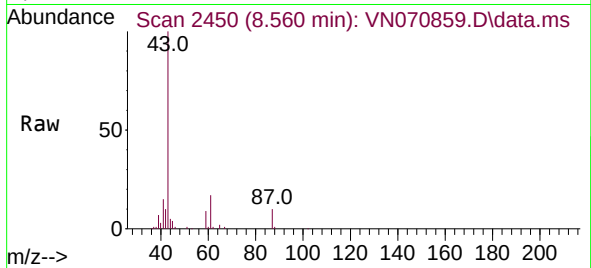




#43
Isopropyl Acetate
Concen: 3.288 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

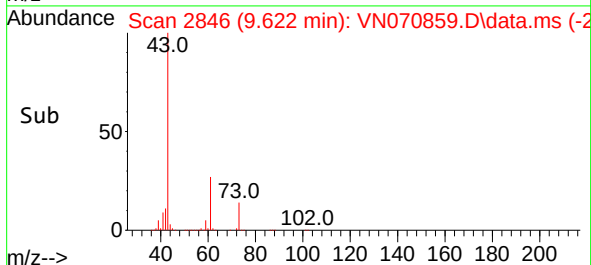
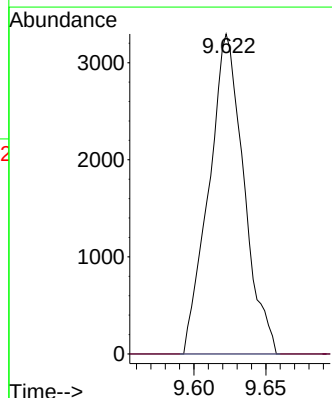
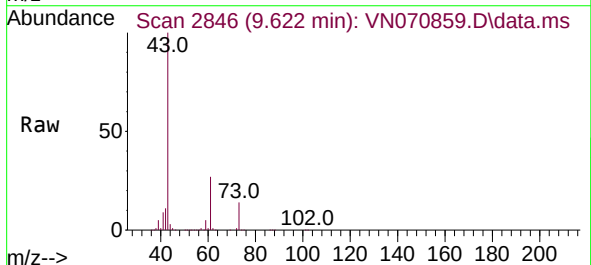
Instrument :
MSVOA_N
ClientSampleId :
17B-MISC-A

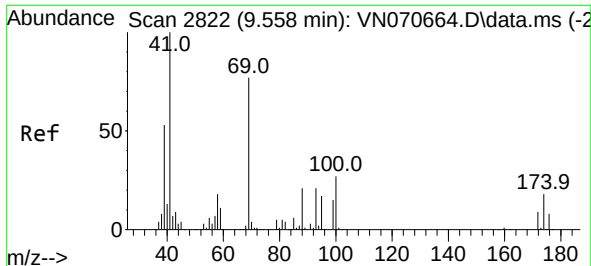
Tgt Ion: 43 Resp: 99692
Ion Ratio Lower Upper
43 100
61 18.0 20.4 30.6#
87 10.7 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.441 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.134 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

Tgt Ion: 63 Resp: 5560
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

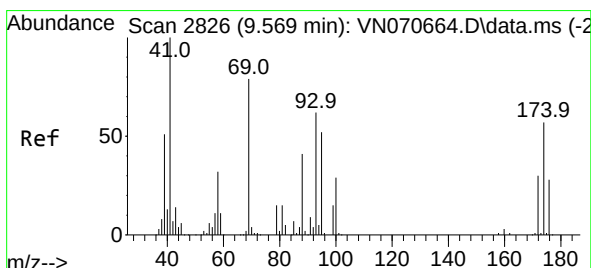
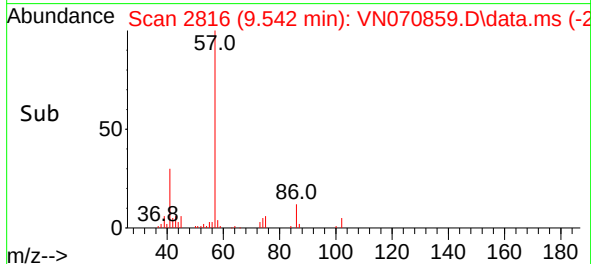
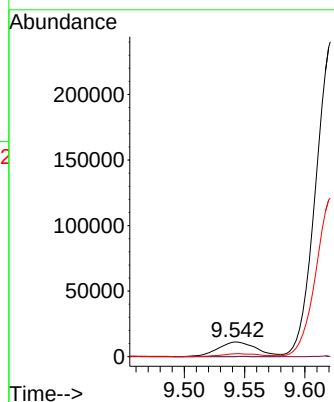
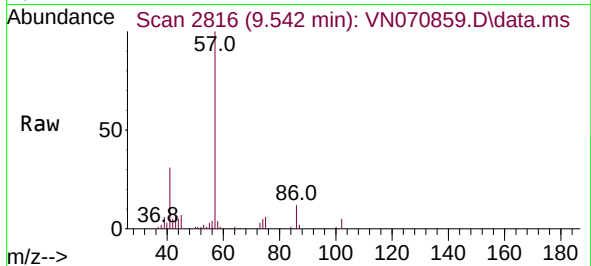




#48
Methyl methacrylate
Concen: 1.741 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.016 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

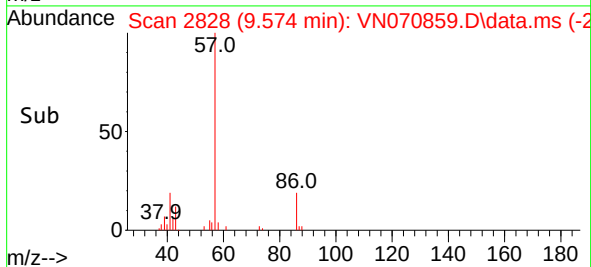
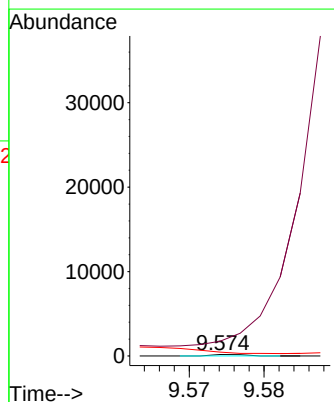
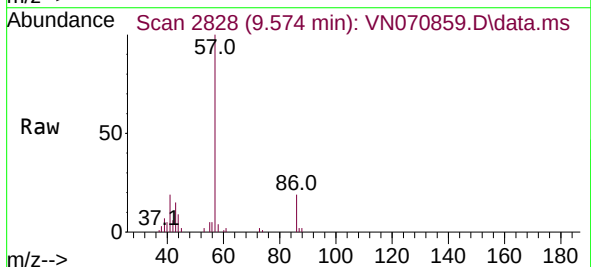
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MSVOA_N
ClientSampleId :
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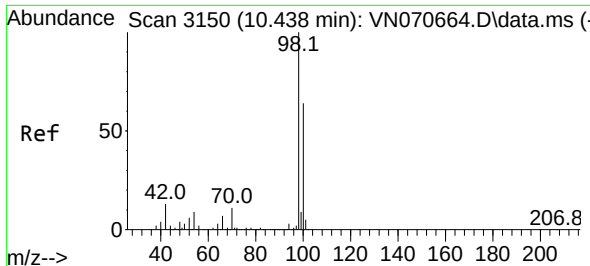
Tgt Ion: 41 Resp: 25153
Ion Ratio Lower Upper
41 100
69 0.5 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.249 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.005 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

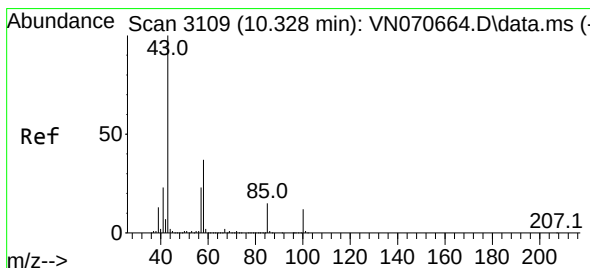
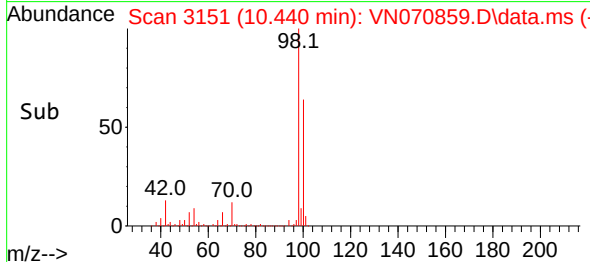
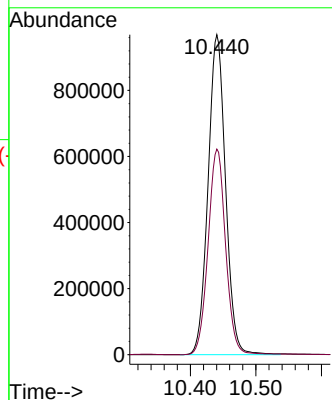
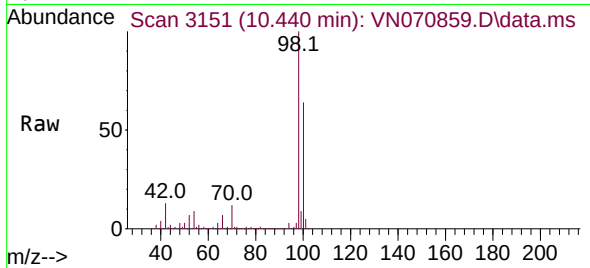




#50
Toluene-d8
Concen: 47.948 ug/l
RT: 10.440 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

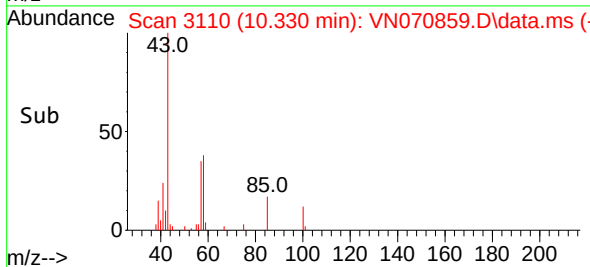
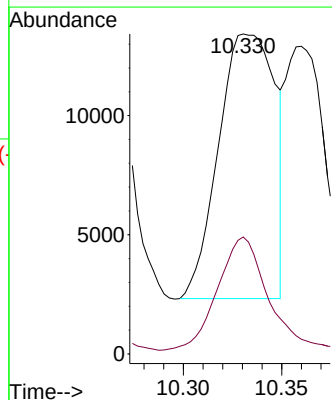
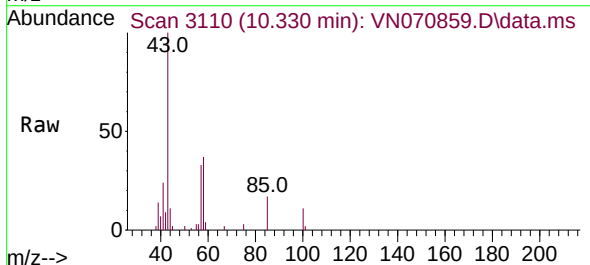
Instrument :
MSVOA_N
ClientSampleId :
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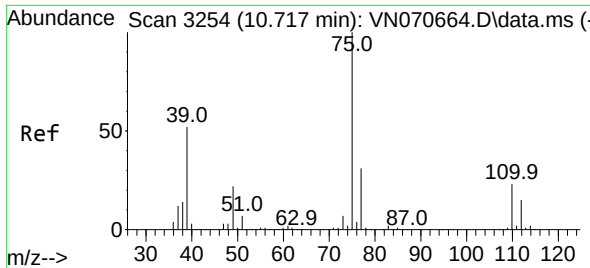
Tgt Ion: 98 Resp: 1794293
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.142 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

Tgt Ion: 43 Resp: 22100
Ion Ratio Lower Upper
43 100
58 42.9 30.4 45.6

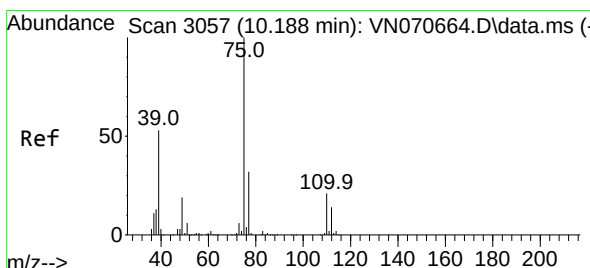
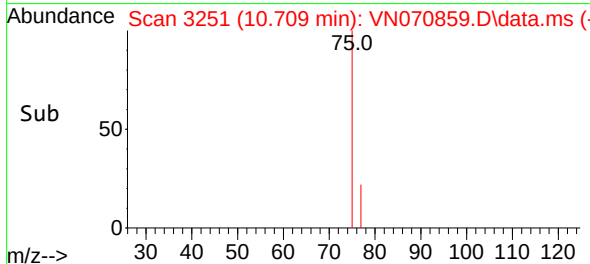
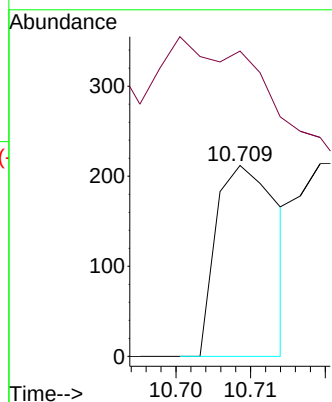
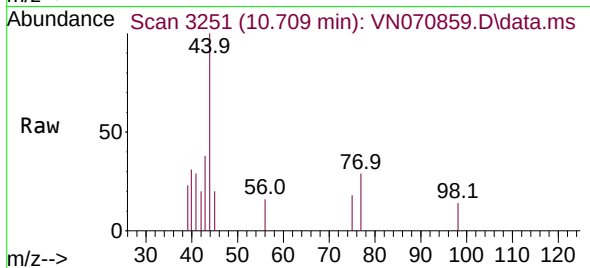




#53
 t-1,3-Dichloropropene
 Concen: 2.410 ug/l
 RT: 10.709 min Scan# 31
 Delta R.T. -0.008 min
 Lab File: VN070859.D
 Acq: 31 Jan 2022 18:15

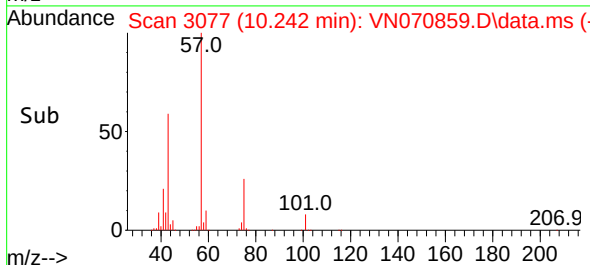
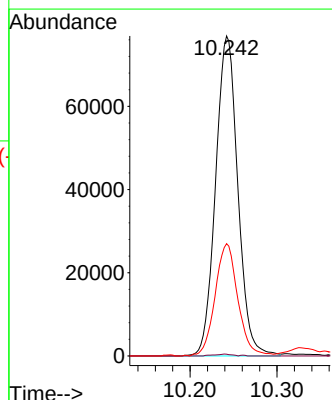
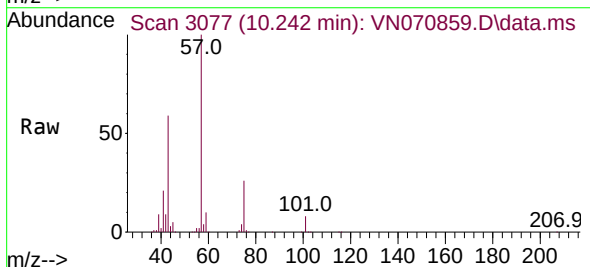
Instrument :
 MSVOA_N
 ClientSampleId :
 17B-MISC-A

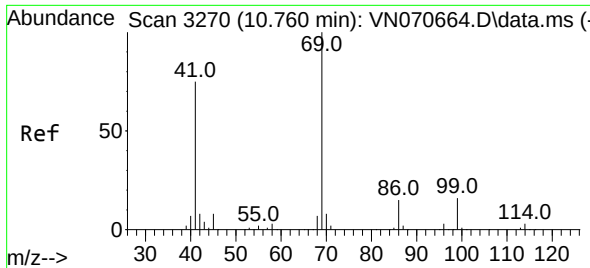
Tgt Ion: 75 Resp: 121
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 7.599 ug/l
 RT: 10.242 min Scan# 3077
 Delta R.T. 0.054 min
 Lab File: VN070859.D
 Acq: 31 Jan 2022 18:15

Tgt Ion: 75 Resp: 136552
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.4 39.6#
 39 35.1 42.5 63.7#

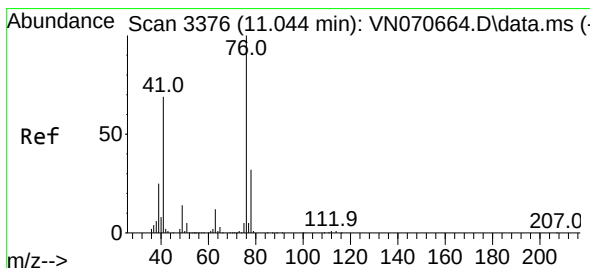
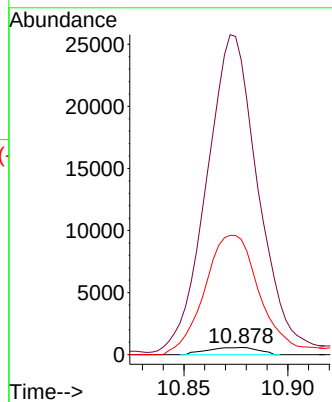
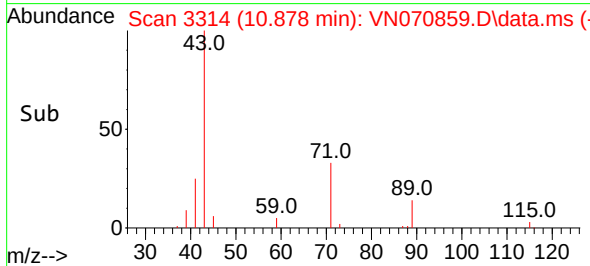
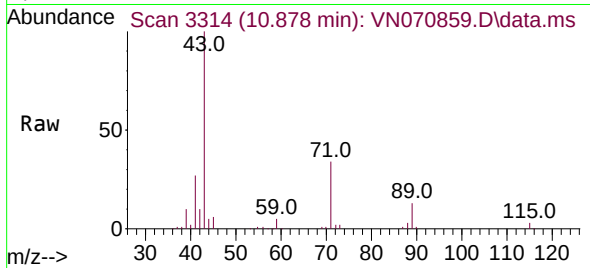




#56
Ethyl methacrylate
Concen: 2.347 ug/l
RT: 10.878 min Scan# 311
Delta R.T. 0.118 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

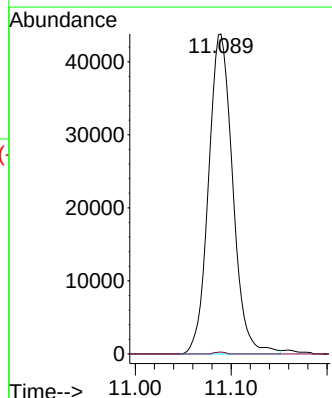
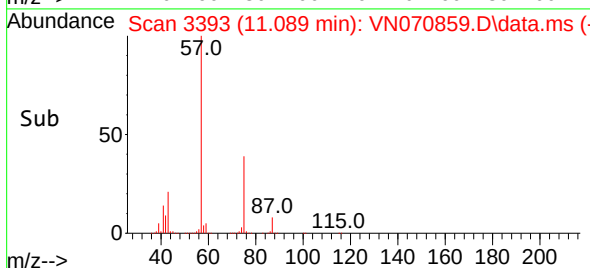
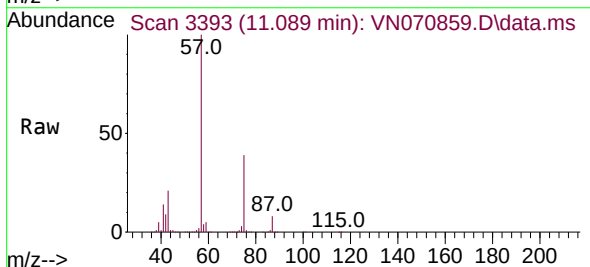
Instrument :
MSVOA_N
ClientSampleId :
17B-MISC-A

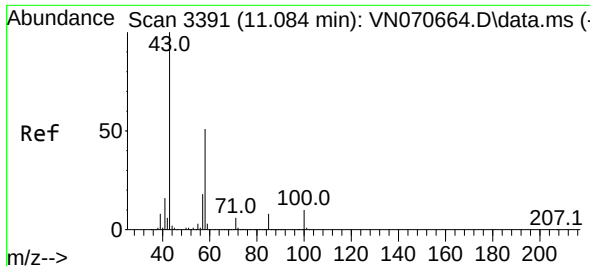
Tgt Ion: 69 Resp: 983
Ion Ratio Lower Upper
69 100
41 4496.1 51.4 77.0#
39 1827.9 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.980 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.045 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

Tgt Ion: 76 Resp: 76711
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

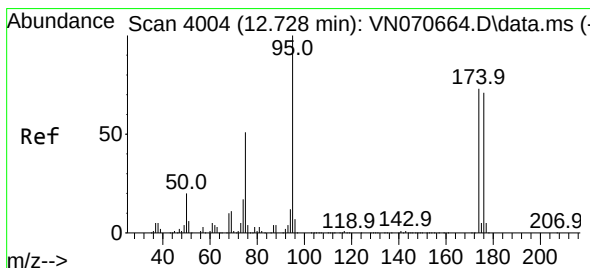
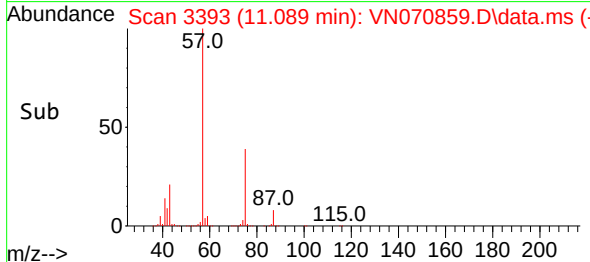
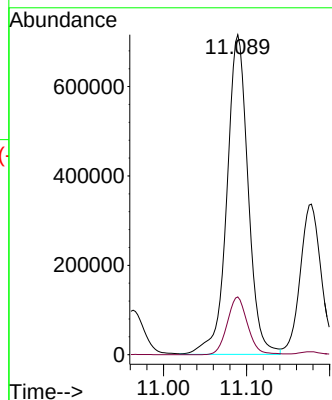
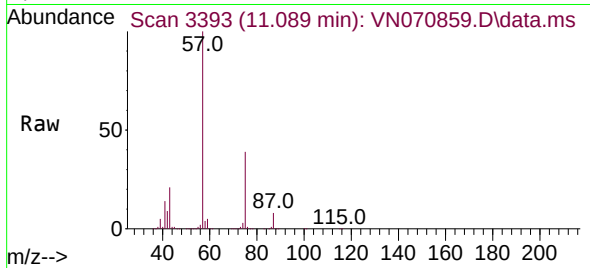




#59
2-Hexanone
Concen: 90.447 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

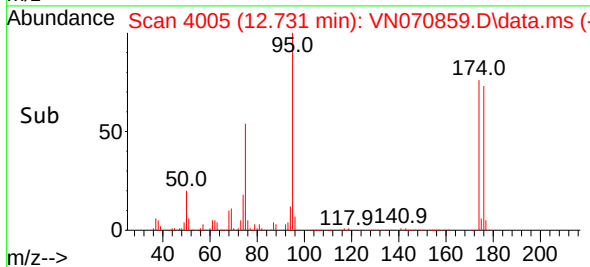
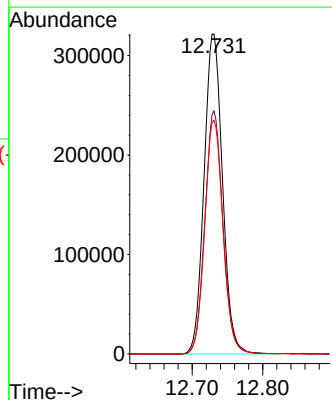
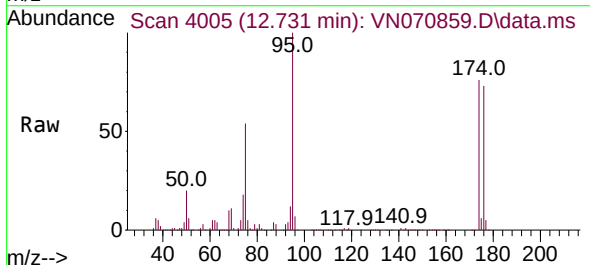
Instrument :
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ClientSampleId :
17B-MISC-A

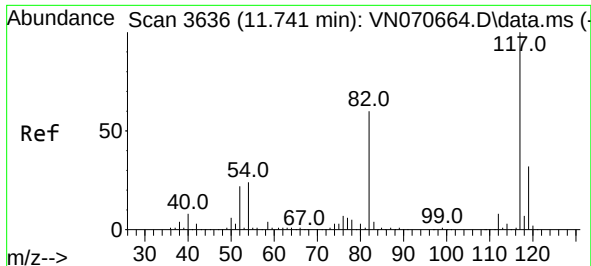
Tgt Ion: 43 Resp: 1271378
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 43.835 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

Tgt Ion: 95 Resp: 584538
Ion Ratio Lower Upper
95 100
174 74.5 0.0 187.2
176 72.6 0.0 181.4

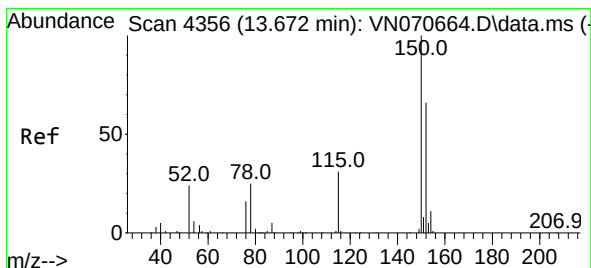
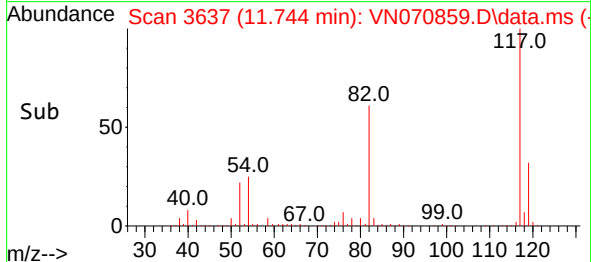
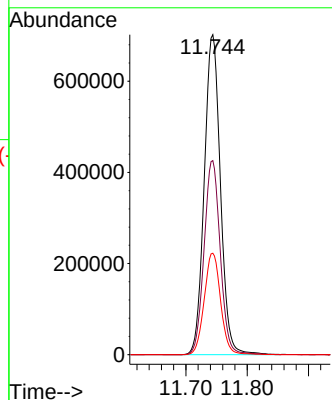
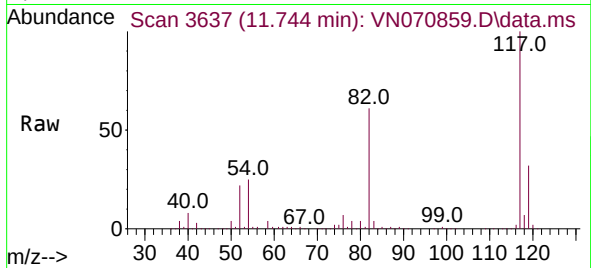




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3636
Delta R.T. 0.003 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

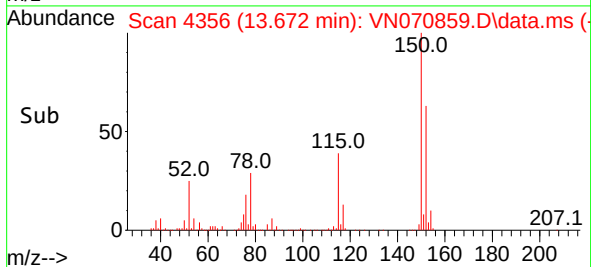
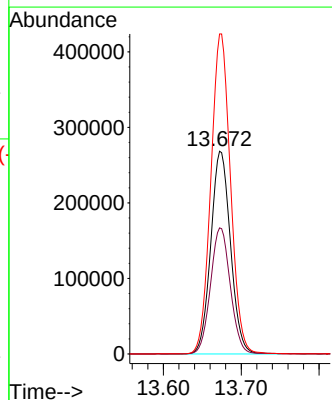
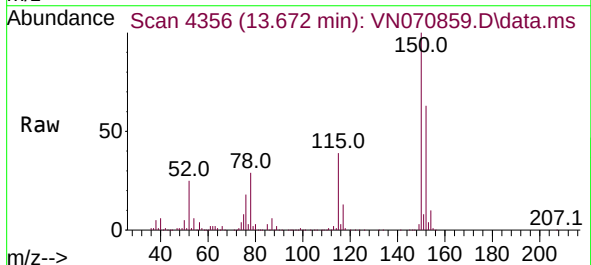
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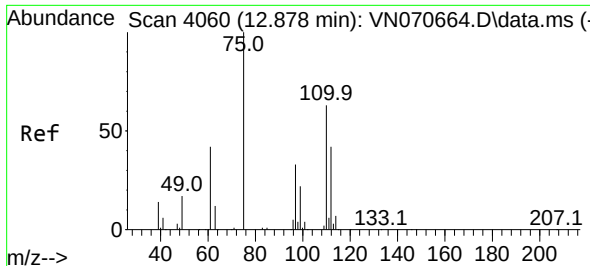
Tgt Ion:117 Resp: 1289439
Ion Ratio Lower Upper
117 100
82 60.6 42.4 63.6
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

Tgt Ion:152 Resp: 471669
Ion Ratio Lower Upper
152 100
115 62.7 27.5 82.5
150 157.3 0.0 344.4

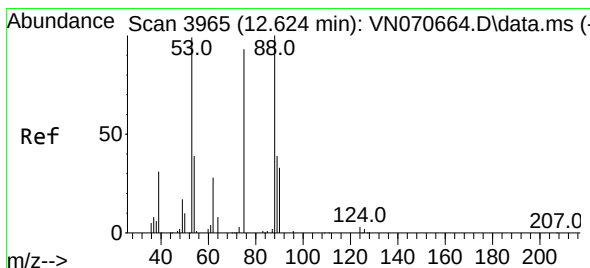
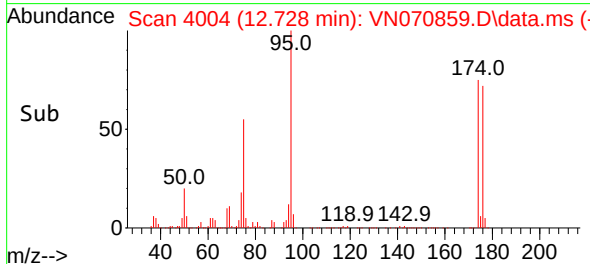
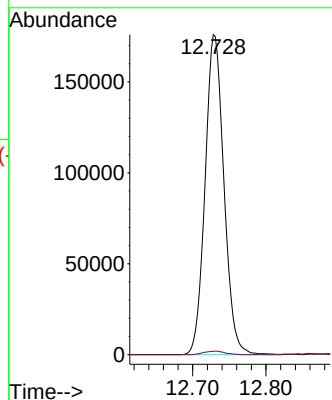
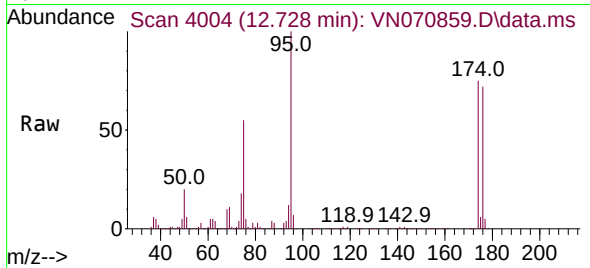




#76
1,2,3-Trichloropropane
Concen: 25.108 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

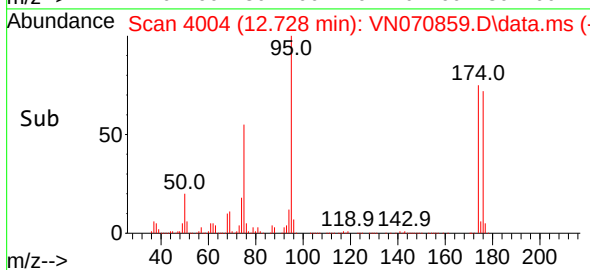
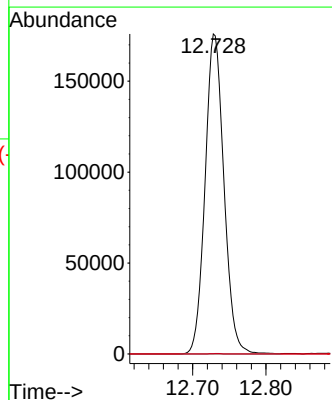
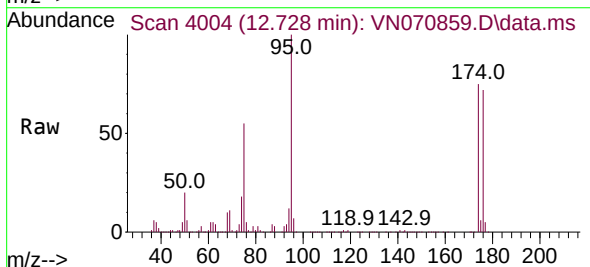
Instrument :
MSVOA_N
ClientSampleId :
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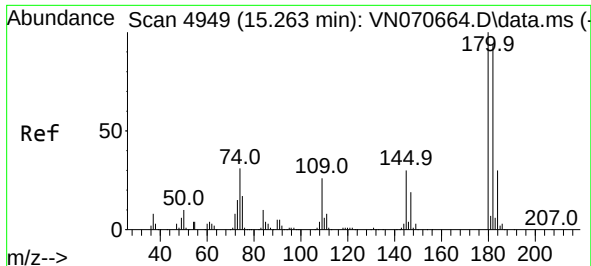
Tgt Ion: 75 Resp: 314099
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.801 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

Tgt Ion: 75 Resp: 314099
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

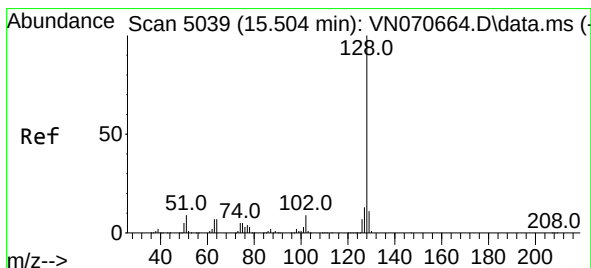
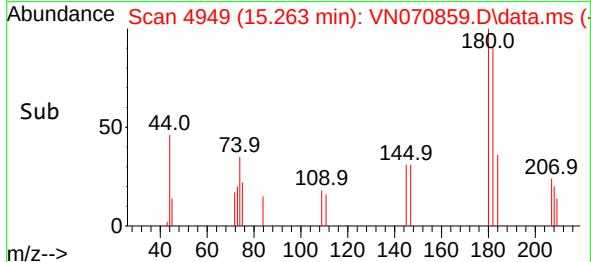
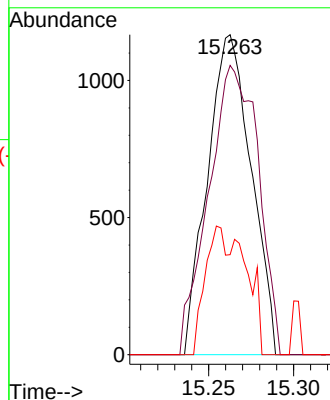
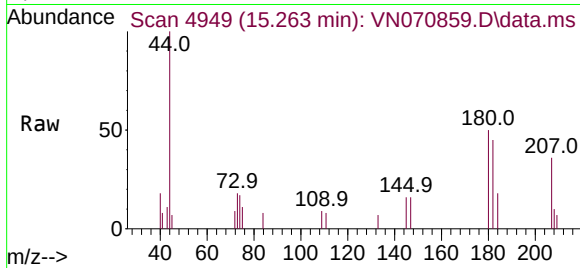




#93
1,2,4-Trichlorobenzene
Concen: 3.648 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.000 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

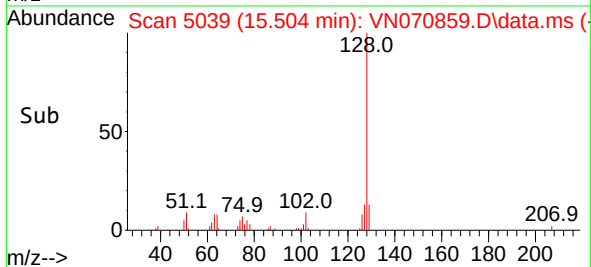
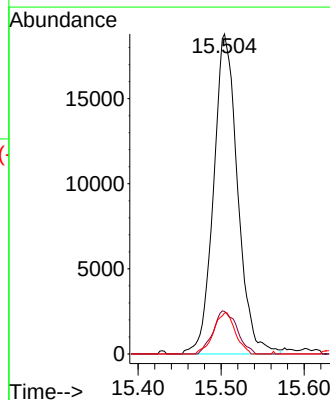
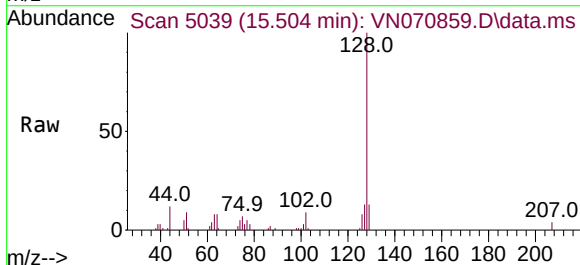
Instrument :
MSVOA_N
ClientSampleId :
17B-MISC-A

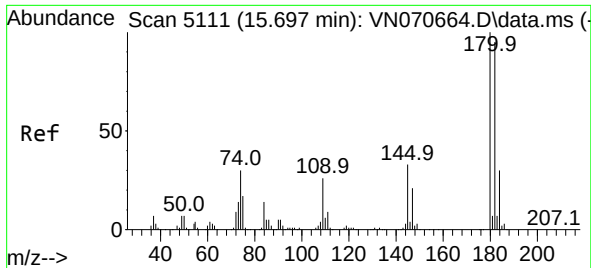
Tgt Ion:180 Resp: 2088
Ion Ratio Lower Upper
180 100
182 102.6 48.3 144.9
145 21.6 14.5 43.5



#95
Naphthalene
Concen: 6.344 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070859.D
Acq: 31 Jan 2022 18:15

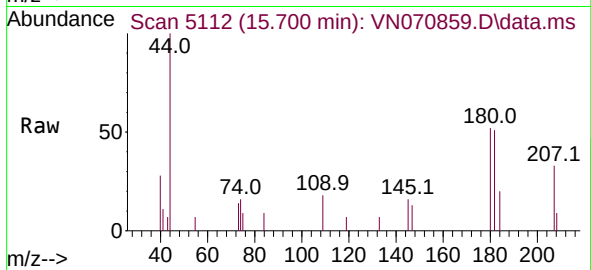
Tgt Ion:128 Resp: 37890
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.6 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.480 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN070859.D
 Acq: 31 Jan 2022 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 17B-MISC-A



Tgt Ion:180	Resp:	2354
Ion	Ratio	Lower Upper
180	100	
182	93.5	47.4 142.2
145	23.5	15.0 45.1

