

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011922\
 Data File : VN070699.D
 Acq On : 19 Jan 2022 14:55
 Operator : JC/MD
 Sample : PB142114TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 20 03:38:21 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

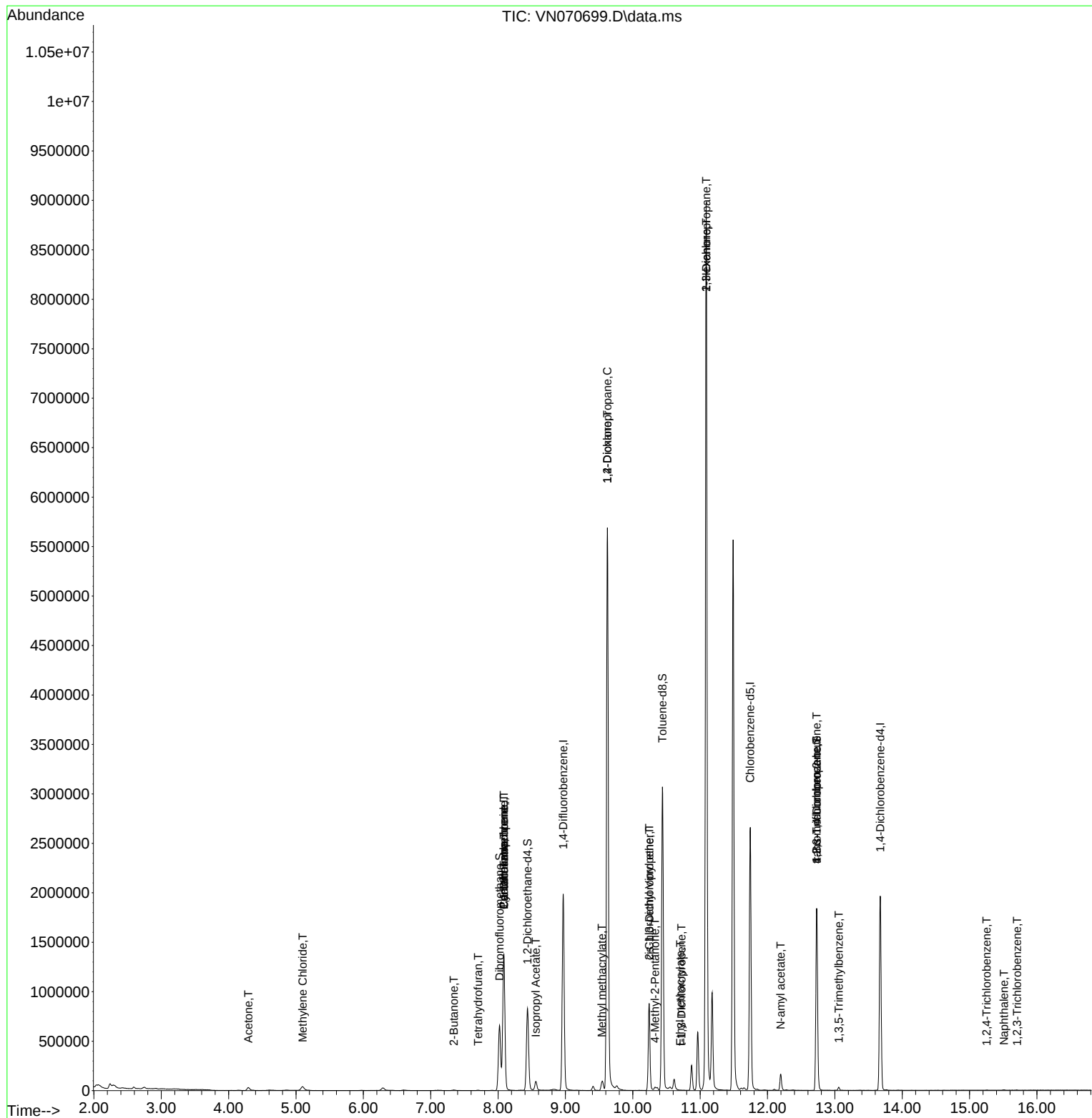
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1052149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1681447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1526572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	541210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	700125	46.431	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.860%
35) Dibromofluoromethane	8.021	113	485318	46.531	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.060%
50) Toluene-d8	10.440	98	2109380	48.007	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.020%
62) 4-Bromofluorobenzene	12.731	95	686073	43.818	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.640%
Target Compounds						
					Qvalue	
16) Acetone	4.293	43	54092	5.168	ug/l	99
20) Methylene Chloride	5.098	84	26296	1.907	ug/l #	81
25) 2-Butanone	7.343	43	10285	0.781	ug/l	99
29) Tetrahydrofuran	7.705	42	2880	0.357	ug/l #	63
30) Chloroform	8.080	83	57	Below Cal	#	18
31) Cyclohexane	8.086	56	23934	0.901	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	85480	4.868	ug/l #	49
38) Carbon Tetrachloride	8.086	117	106136	6.795	ug/l #	17
43) Isopropyl Acetate	8.560	43	106409	2.989	ug/l #	88
45) 1,2-Dichloropropane	9.622	63	7182	0.485	ug/l #	44
48) Methyl methacrylate	9.542	41	28362	1.672	ug/l #	8
49) 1,4-Dioxane	9.622	88	877	3.442	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	15359	0.676	ug/l	91
53) t-1,3-Dichloropropene	10.722	75	265	2.416	ug/l #	43
54) cis-1,3-Dichloropropene	10.245	75	149486	7.085	ug/l #	63
56) Ethyl methacrylate	10.706	69	582	2.325	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	89305	3.946	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.245	63	25	21.240	ug/l #	45
59) 2-Hexanone	11.089	43	1525128	92.404	ug/l #	49
74) N-amyl acetate	12.194	43	59597	2.847	ug/l #	51
76) 1,2,3-Trichloropropane	12.731	75	361074	25.154	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	15529	0.375	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.731	75	361074	74.939	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.252	180	446	3.467	ug/l #	1
95) Naphthalene	15.509	128	4481	5.092	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.705	180	667	3.281	ug/l #	86

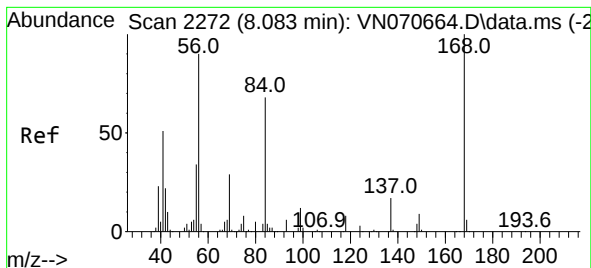
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN070699.D

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Instrument :

MSVOA_N

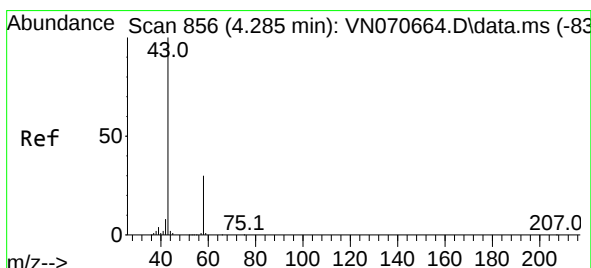
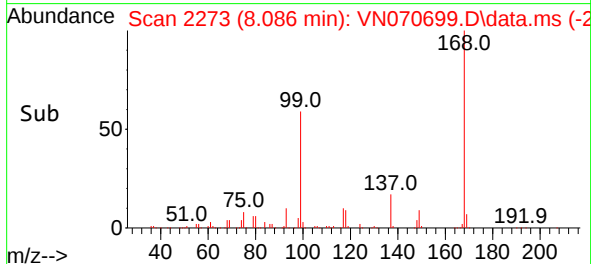
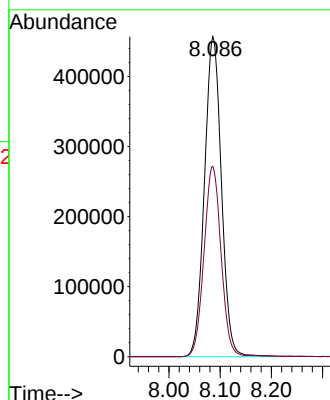
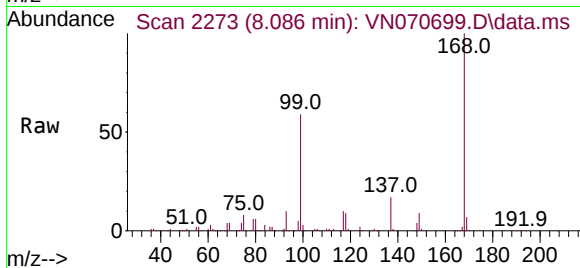
ClientSampleId :

Tgt Ion:168 Resp: 1052149

Ion Ratio Lower Upper

168 100

99 59.5 41.3 61.9



#16

Acetone

Concen: 5.168 ug/l

RT: 4.293 min Scan# 859

Delta R.T. 0.008 min

Lab File: VN070699.D

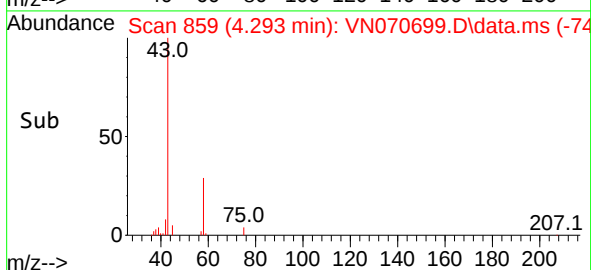
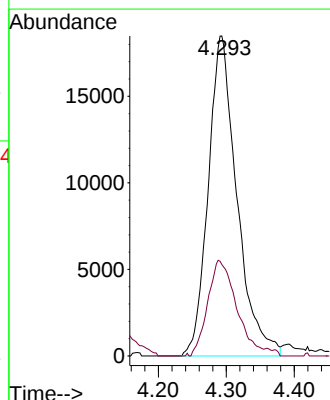
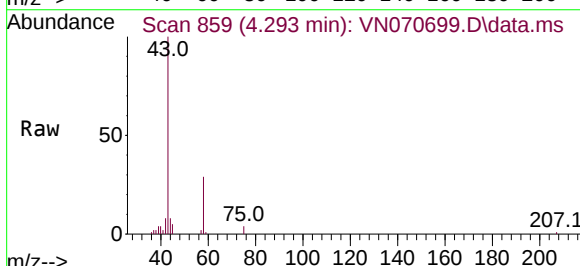
Acq: 19 Jan 2022 14:55

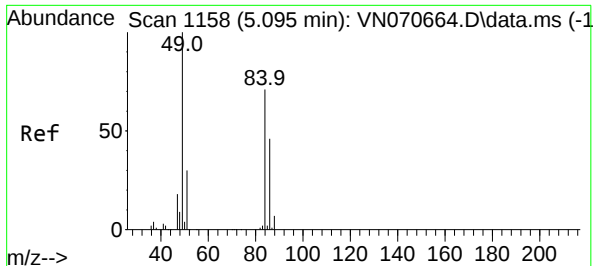
Tgt Ion: 43 Resp: 54092

Ion Ratio Lower Upper

43 100

58 28.6 23.1 34.7





#20

Methylene Chloride

Concen: 1.907 ug/l

RT: 5.098 min Scan# 1159

Delta R.T. 0.003 min

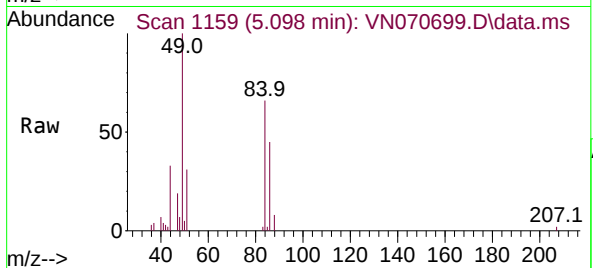
Lab File: VN070699.D

Acq: 19 Jan 2022 14:55

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 26296

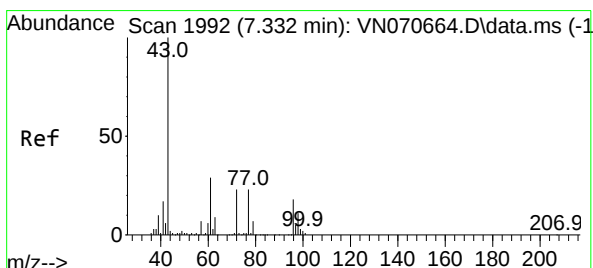
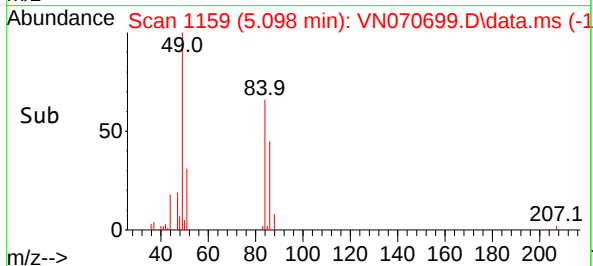
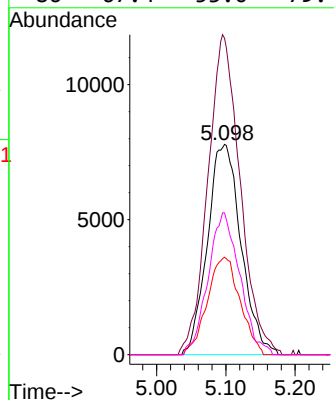
Ion Ratio Lower Upper

84 100

49 148.6 93.5 140.3#

51 46.4 29.4 44.2#

86 67.4 53.0 79.4



#25

2-Butanone

Concen: 0.781 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. 0.011 min

Lab File: VN070699.D

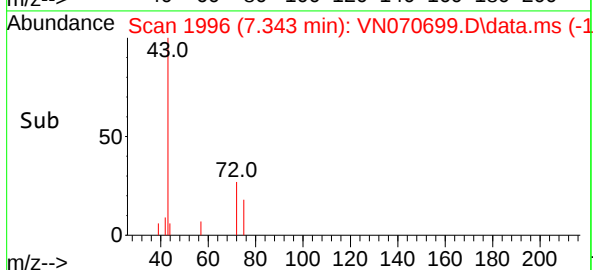
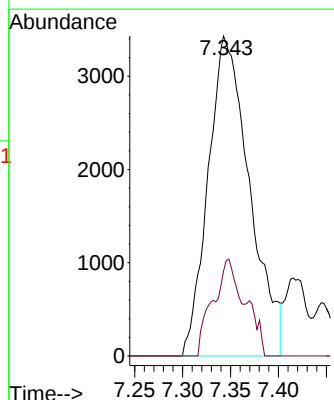
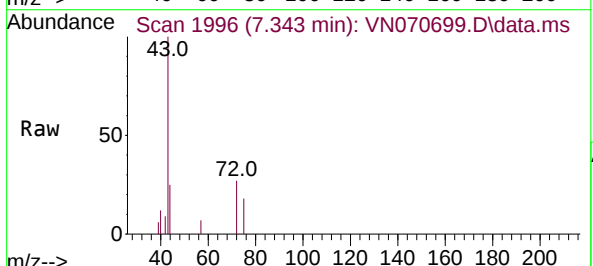
Acq: 19 Jan 2022 14:55

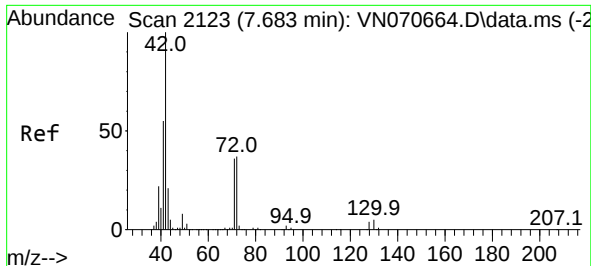
Tgt Ion: 43 Resp: 10285

Ion Ratio Lower Upper

43 100

72 26.5 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.357 ug/l

RT: 7.705 min Scan# 21

Delta R.T. 0.022 min

Lab File: VN070699.D

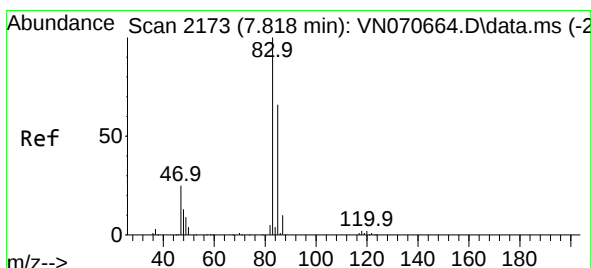
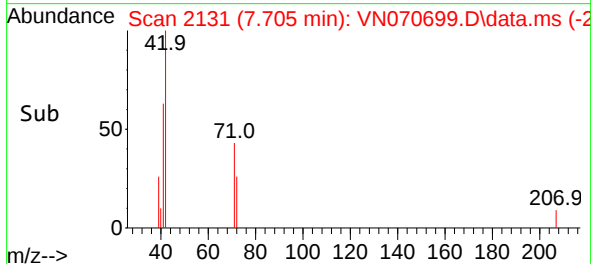
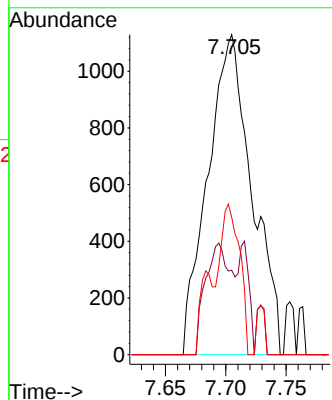
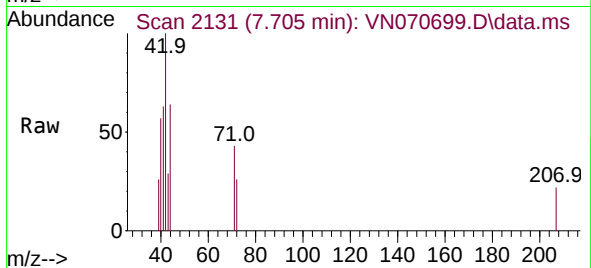
Acq: 19 Jan 2022 14:55

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	2880
Ion	Ratio	Lower	Upper
42	100		
72	20.1	36.3	54.5#
71	20.4	34.7	52.1#



#30

Chloroform

Concen: Below Cal

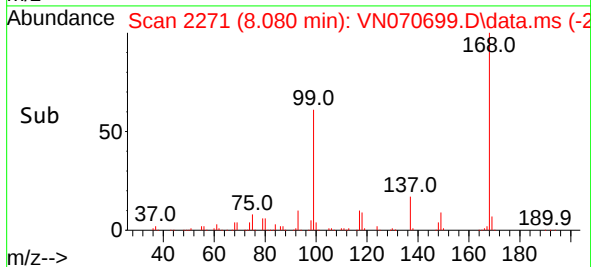
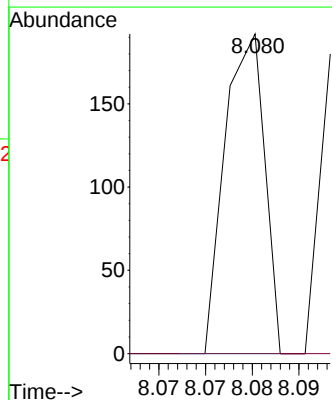
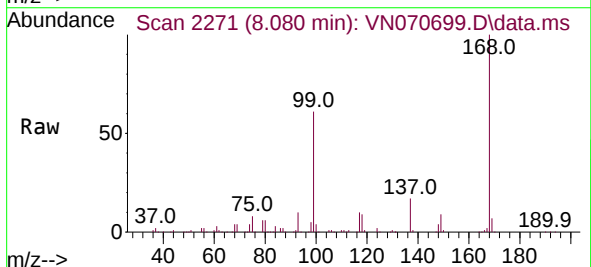
RT: 8.080 min Scan# 2271

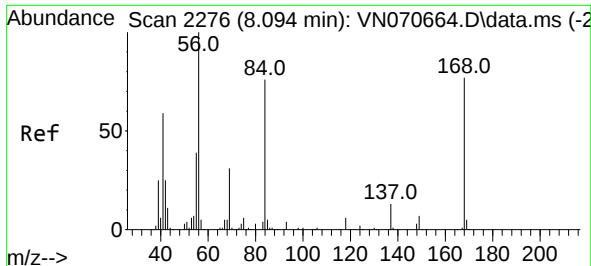
Delta R.T. 0.262 min

Lab File: VN070699.D

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Tgt Ion:	83	Resp:	57
Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.9	77.9#





#31

Cyclohexane

Concen: 0.901 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.008 min

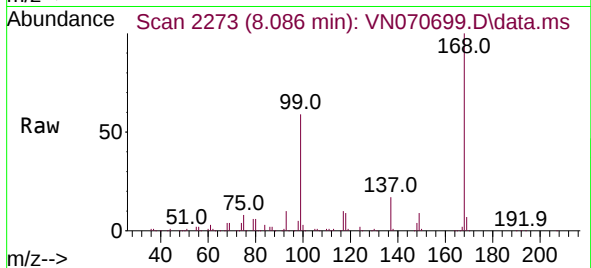
Lab File: VN070699.D

Acq: 19 Jan 2022 14:55

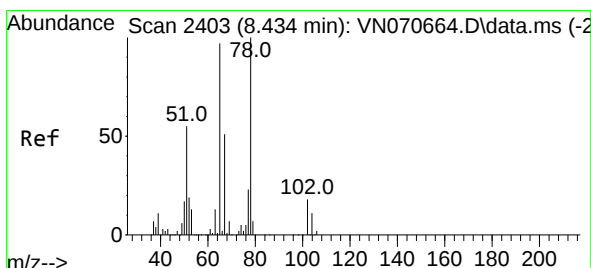
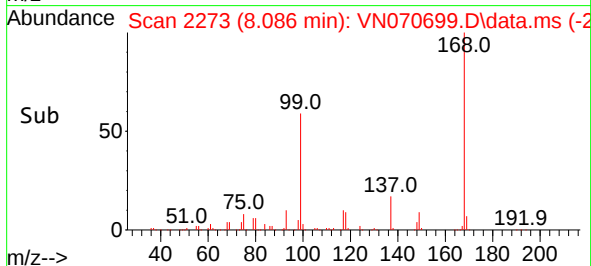
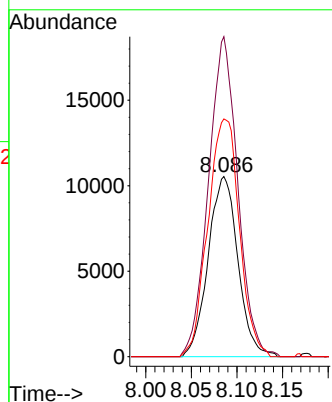
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	23934
Ion Ratio	Lower	Upper	
56	100		
69	177.7	27.1	40.7#
84	132.0	73.4	110.0#



#33

1,2-Dichloroethane-d4

Concen: 46.431 ug/l

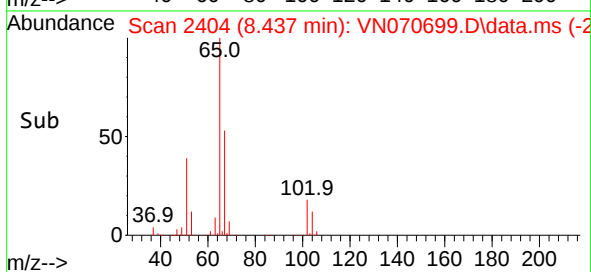
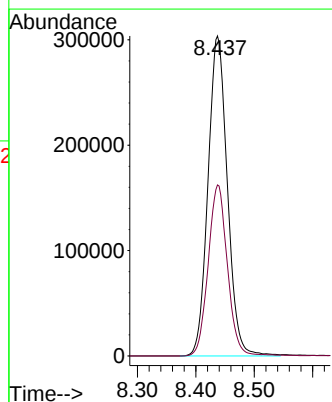
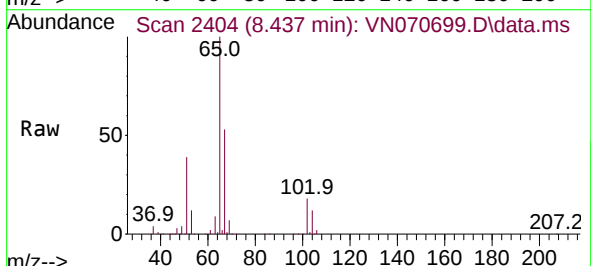
RT: 8.437 min Scan# 2404

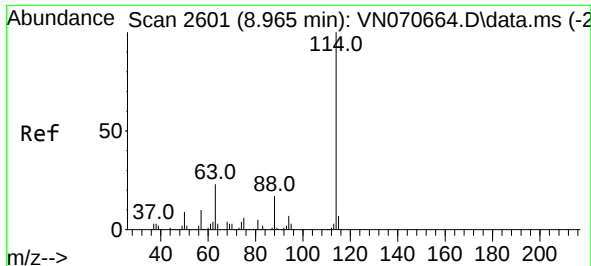
Delta R.T. 0.003 min

Lab File: VN070699.D

Acq: 19 Jan 2022 14:55

Tgt Ion:	65	Resp:	700125
Ion Ratio	Lower	Upper	
65	100		
67	53.0	0.0	103.0

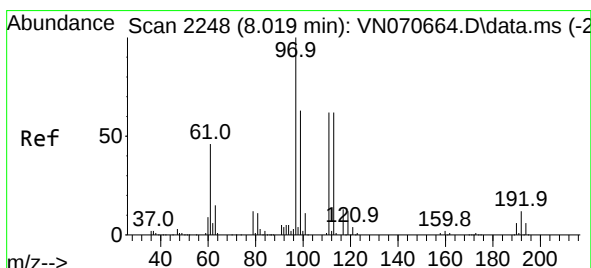
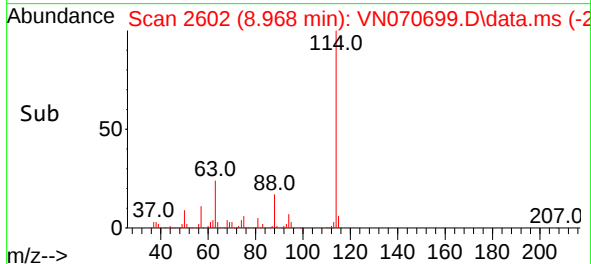
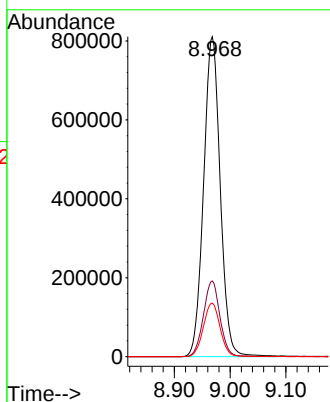
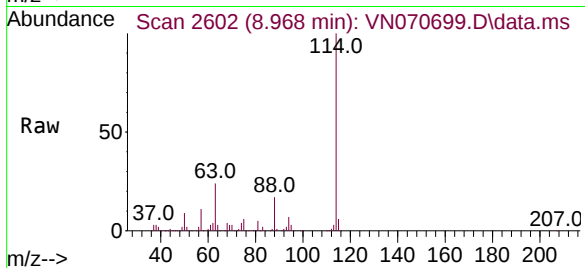




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

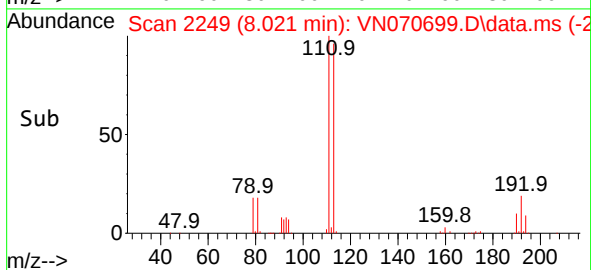
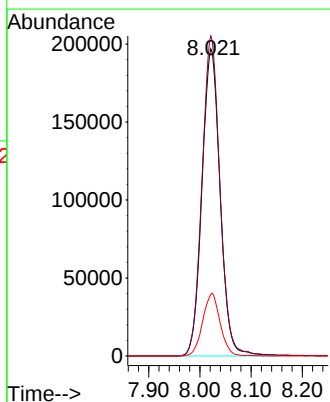
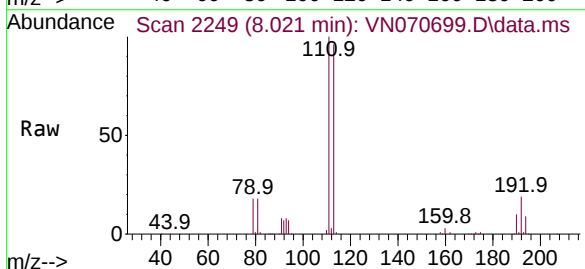
Instrument :
MSVOA_N
ClientSampleId :

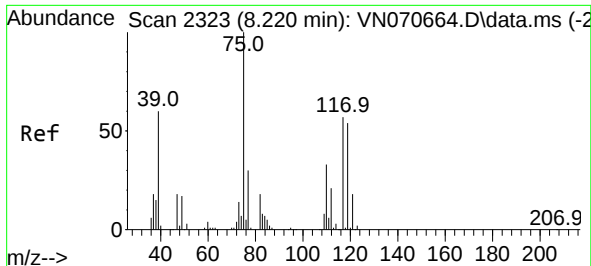
Tgt Ion:114 Resp: 1681447
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.7 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.531 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.002 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

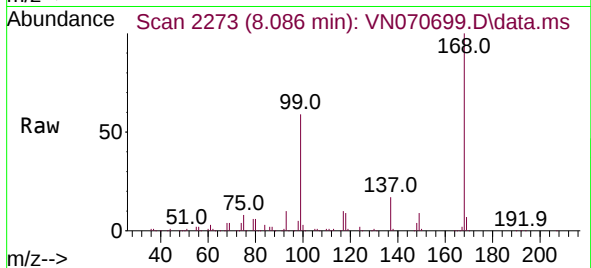
Tgt Ion:113 Resp: 485318
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 19.6 16.9 25.3



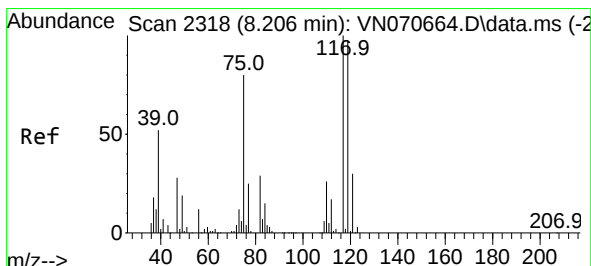
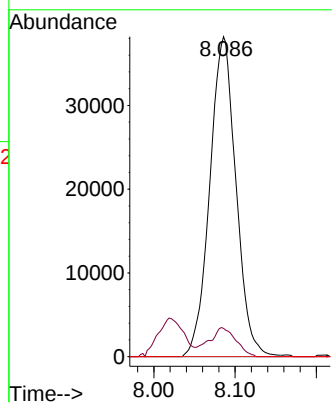
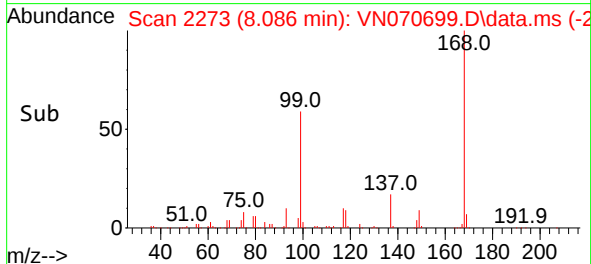


#36
 1,1-Dichloropropene
 Concen: 4.868 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.134 min
 Lab File: VN070699.D
 Acq: 19 Jan 2022 14:55

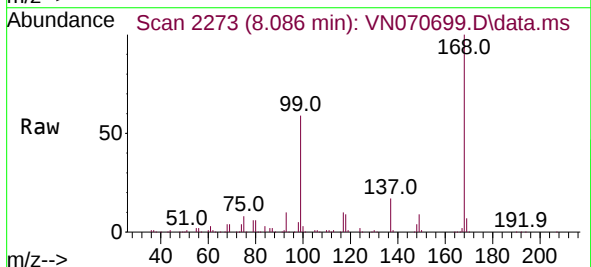
Instrument :
 MSVOA_N
 ClientSampleId :



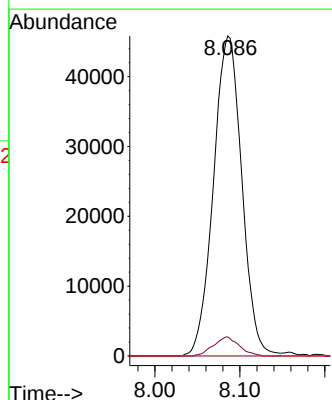
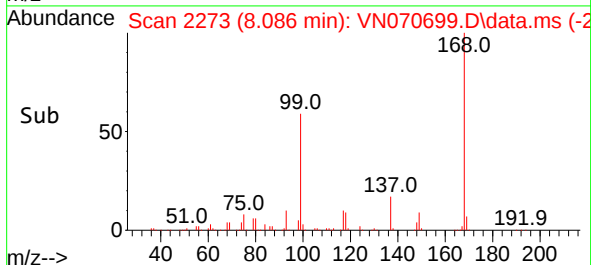
Tgt Ion: 75 Resp: 85480
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.4 55.2#
 77 0.0 24.4 36.6#

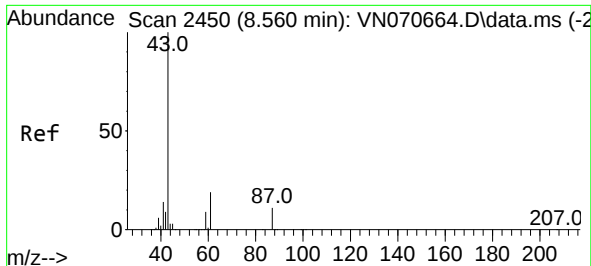


#38
 Carbon Tetrachloride
 Concen: 6.795 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.120 min
 Lab File: VN070699.D
 Acq: 19 Jan 2022 14:55



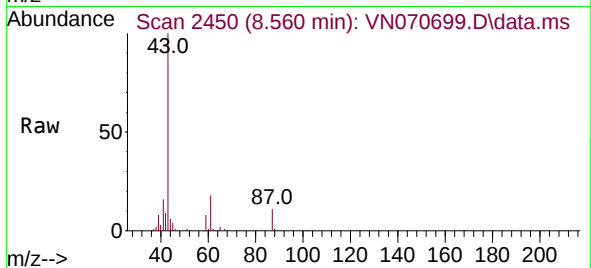
Tgt Ion: 117 Resp: 106136
 Ion Ratio Lower Upper
 117 100
 119 6.0 76.1 114.1#
 121 0.0 24.2 36.2#



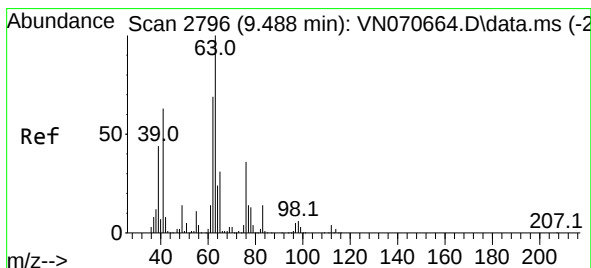
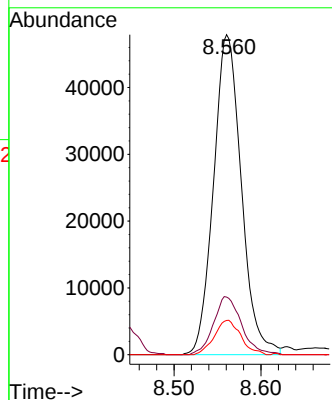
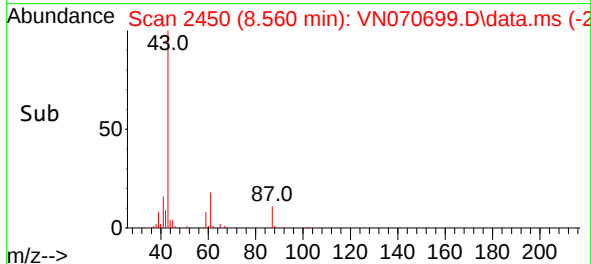


#43
Isopropyl Acetate
Concen: 2.989 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

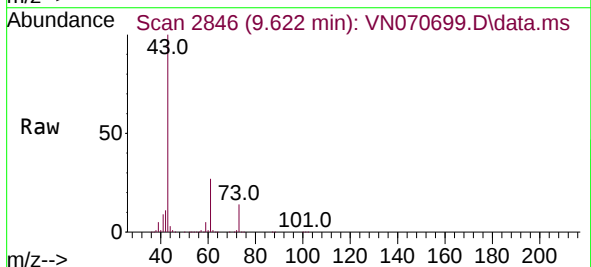
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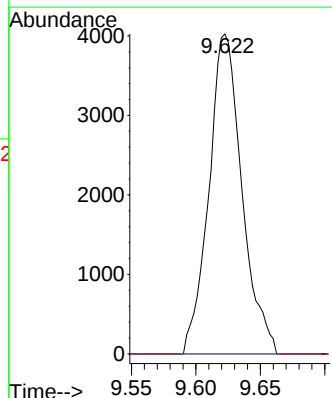
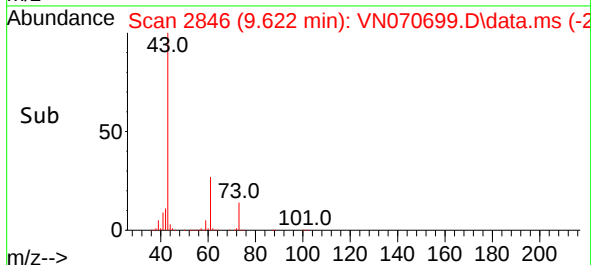
Tgt Ion: 43 Resp: 106409
Ion Ratio Lower Upper
43 100
61 18.3 20.4 30.6#
87 10.3 11.2 16.8#

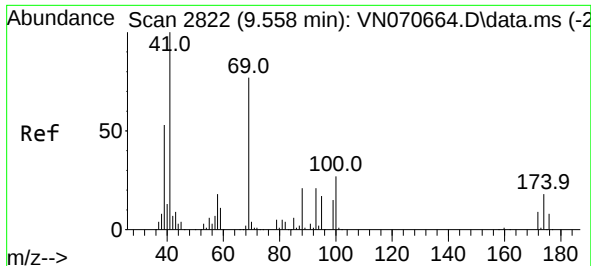


#45
1,2-Dichloropropane
Concen: 0.485 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.134 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55



Tgt Ion: 63 Resp: 7182
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

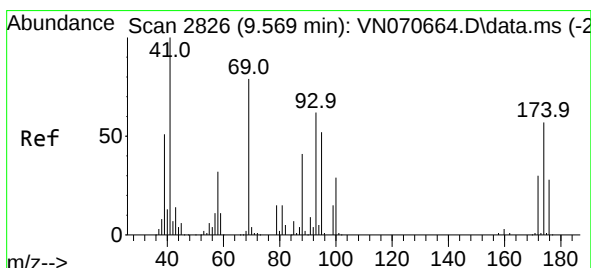
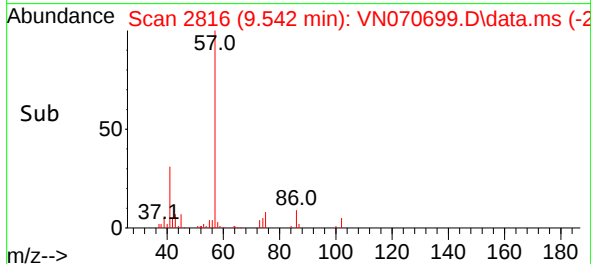
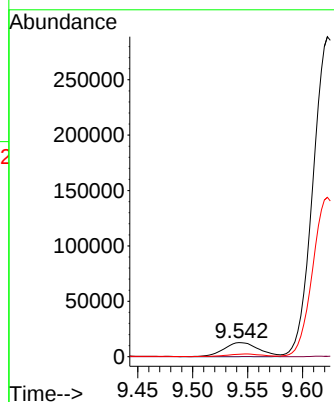
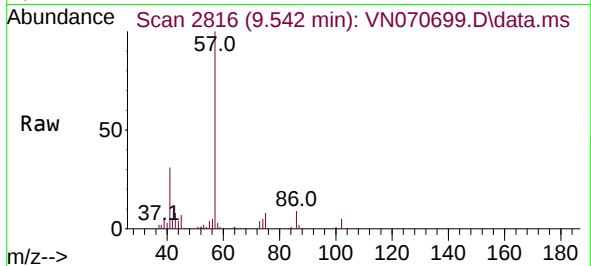




#48
Methyl methacrylate
Concen: 1.672 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.016 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

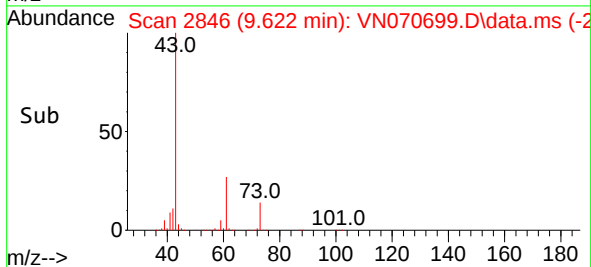
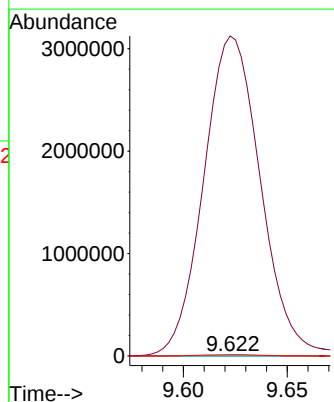
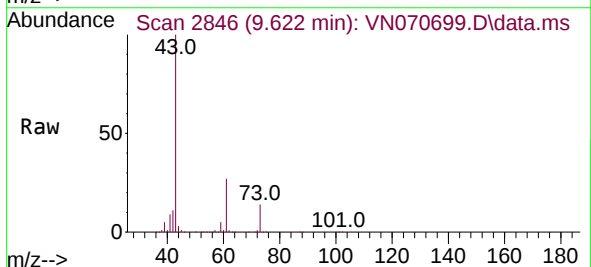
Instrument :
MSVOA_N
ClientSampleId :

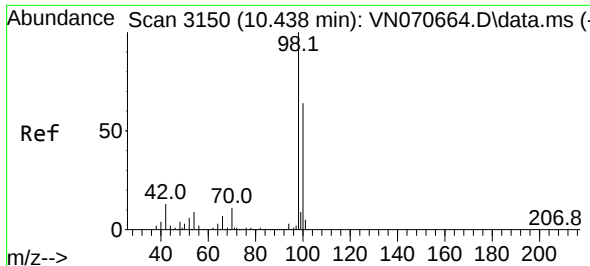
Tgt Ion: 41 Resp: 28362
Ion Ratio Lower Upper
41 100
69 0.4 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 3.442 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

Tgt Ion: 88 Resp: 877
Ion Ratio Lower Upper
88 100
43 689973.1 23.4 35.2#
58 2803.5 50.6 75.8#

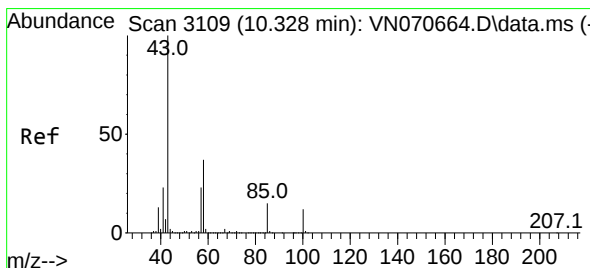
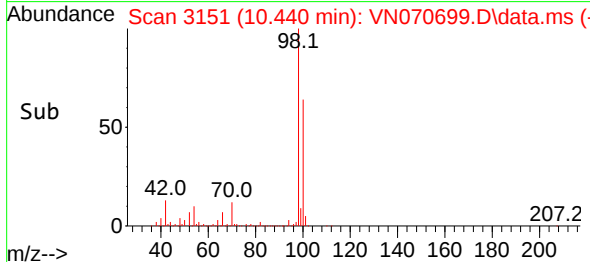
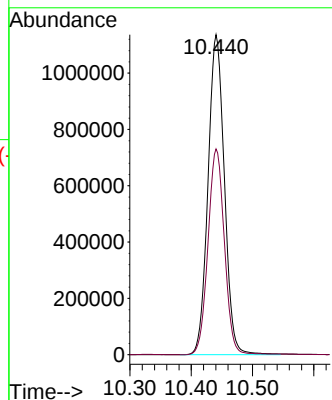
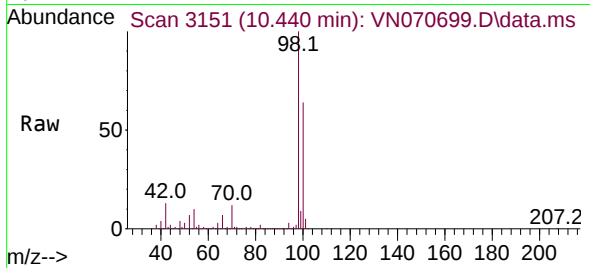




#50
Toluene-d8
Concen: 48.007 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

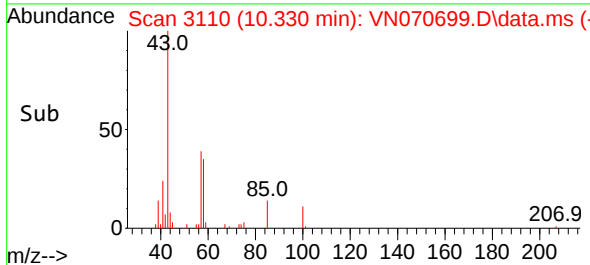
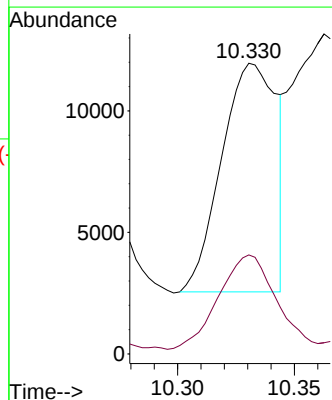
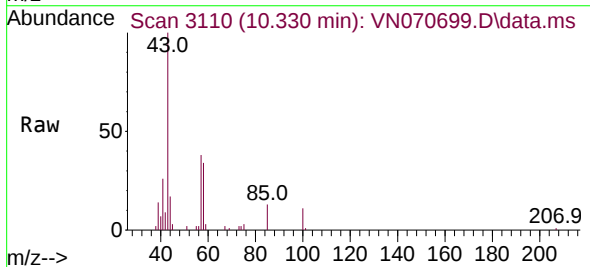
Instrument :
MSVOA_N
ClientSampleId :

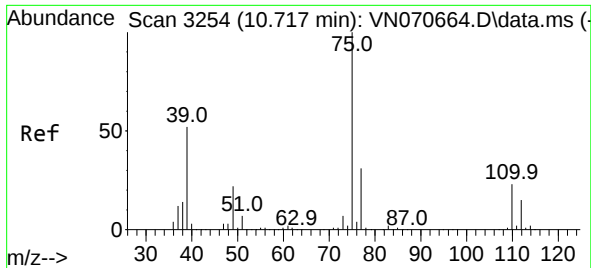
Tgt Ion: 98 Resp: 2109380
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.676 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

Tgt Ion: 43 Resp: 15359
Ion Ratio Lower Upper
43 100
58 43.2 30.4 45.6

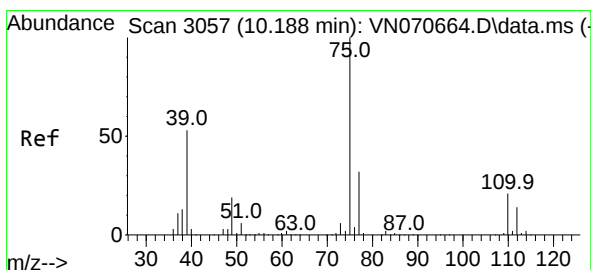
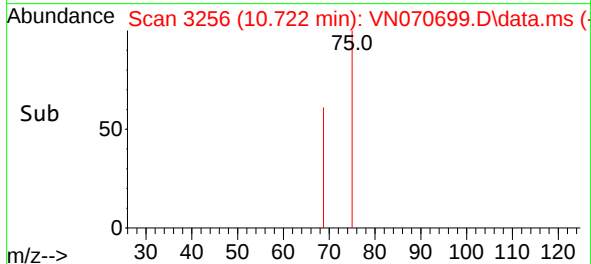
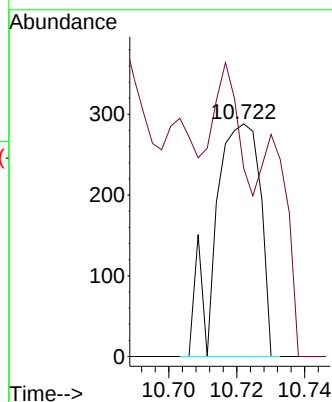
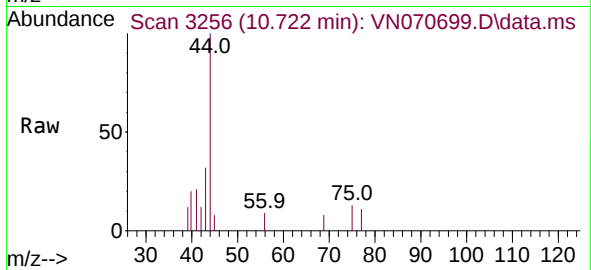




#53
 t-1,3-Dichloropropene
 Concen: 2.416 ug/l
 RT: 10.722 min Scan# 31
 Delta R.T. 0.005 min
 Lab File: VN070699.D
 Acq: 19 Jan 2022 14:55

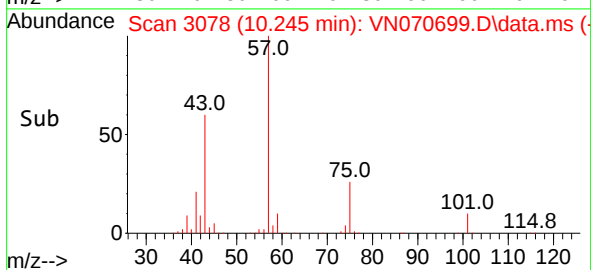
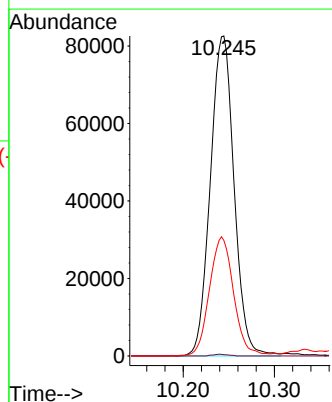
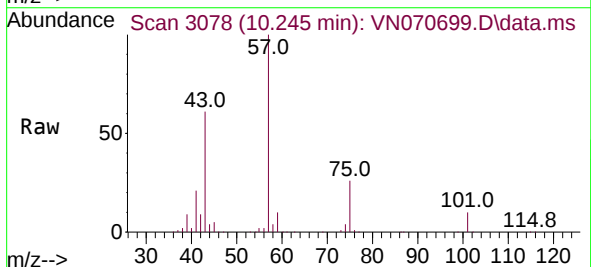
Instrument :
 MSVOA_N
 ClientSampleId :

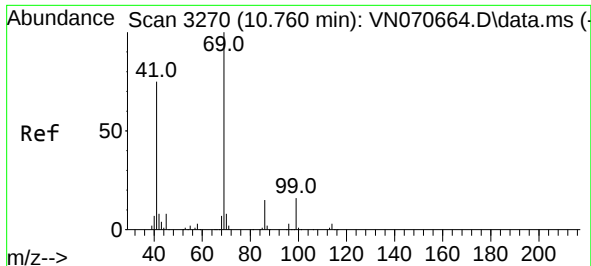
Tgt Ion: 75 Resp: 265
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 7.085 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.057 min
 Lab File: VN070699.D
 Acq: 19 Jan 2022 14:55

Tgt Ion: 75 Resp: 149486
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.4 39.6#
 39 35.9 42.5 63.7#

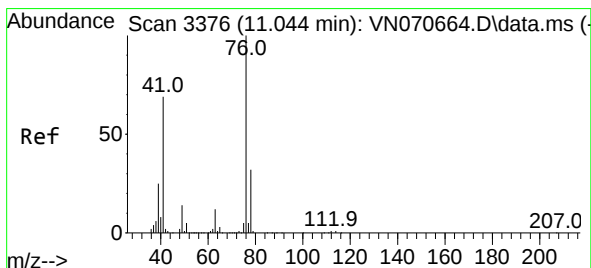
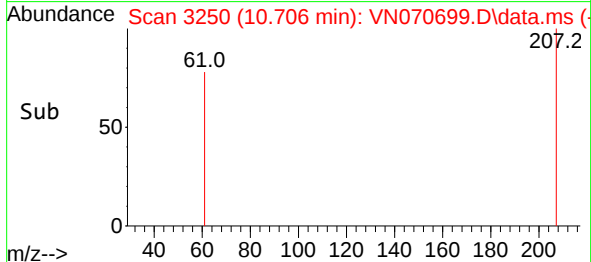
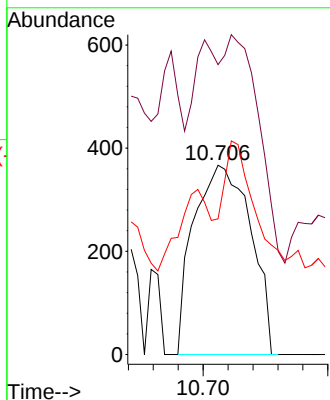
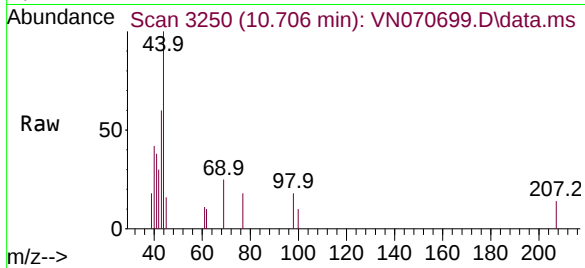




#56
Ethyl methacrylate
Concen: 2.325 ug/l
RT: 10.706 min Scan# 31
Delta R.T. -0.054 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

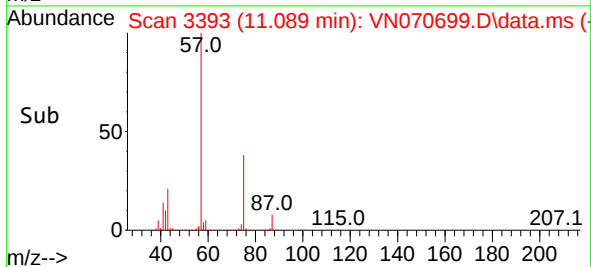
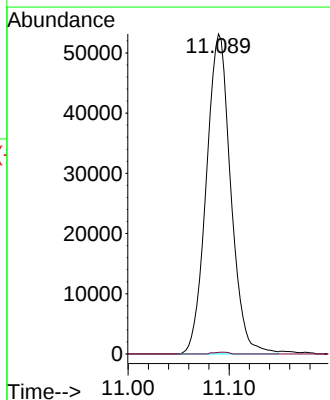
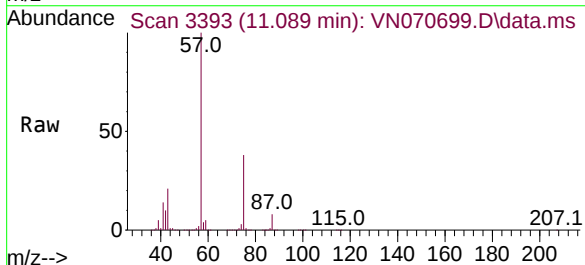
Instrument :
MSVOA_N
ClientSampleId :

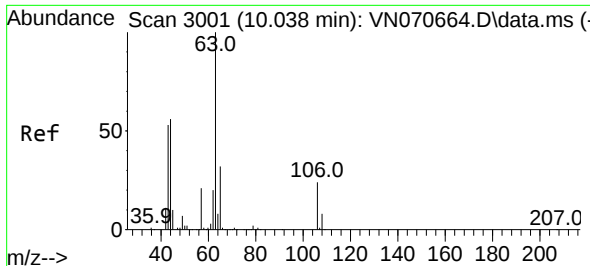
Tgt Ion: 69 Resp: 582
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.946 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.045 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

Tgt Ion: 76 Resp: 89305
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

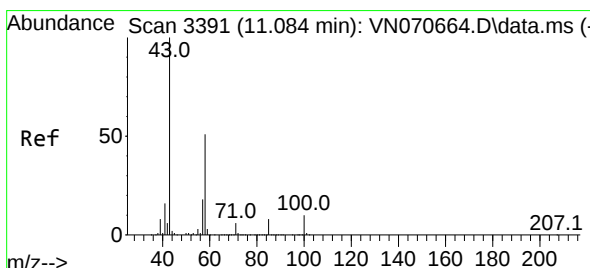
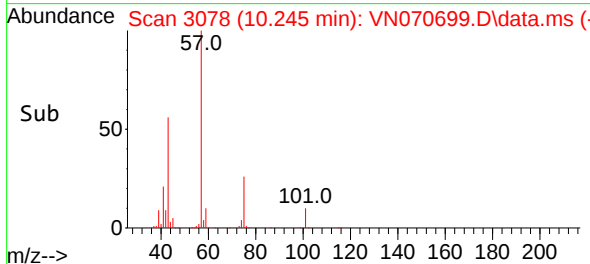
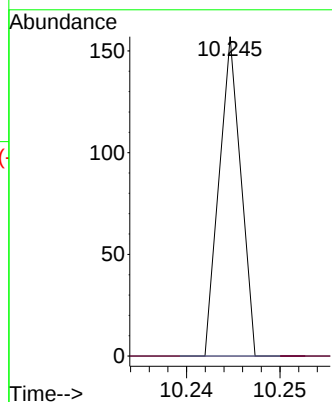
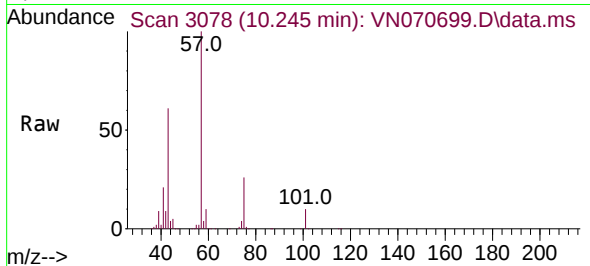




#58
2-Chloroethyl Vinyl ether
Concen: 21.240 ug/l
RT: 10.245 min Scan# 3001
Delta R.T. 0.207 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

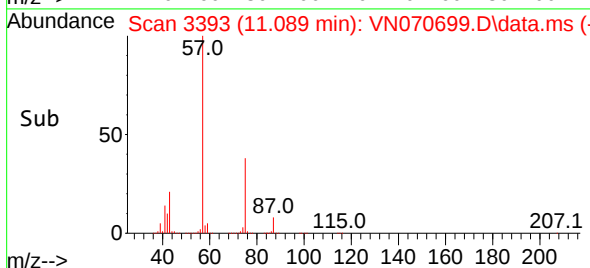
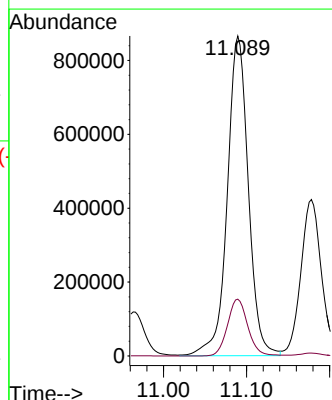
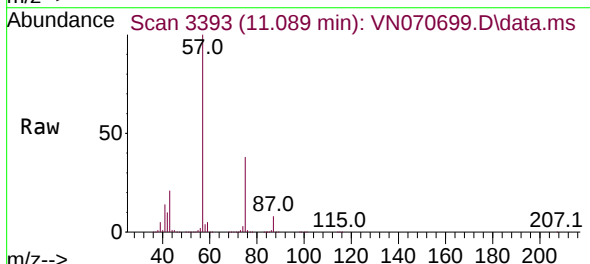
Instrument :
MSVOA_N
ClientSampleId :

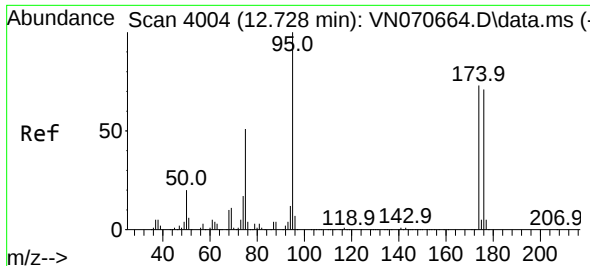
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 92.404 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

Tgt Ion: 43 Resp: 1525128
Ion Ratio Lower Upper
43 100
58 17.2 26.9 80.7#

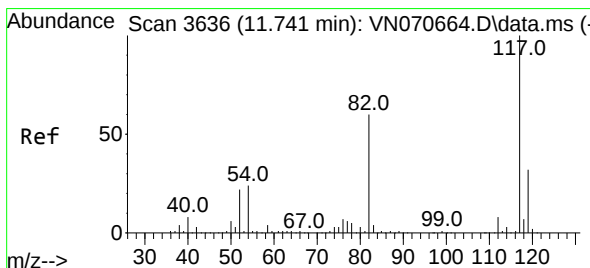
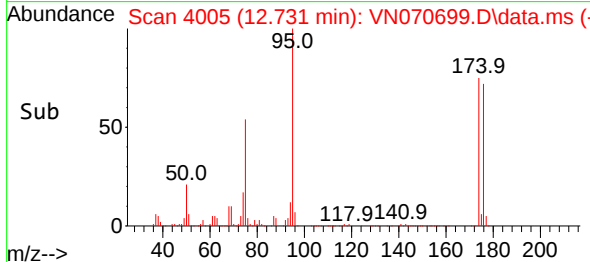
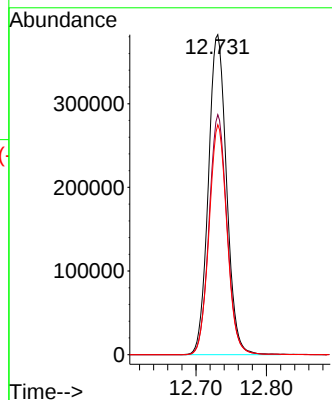
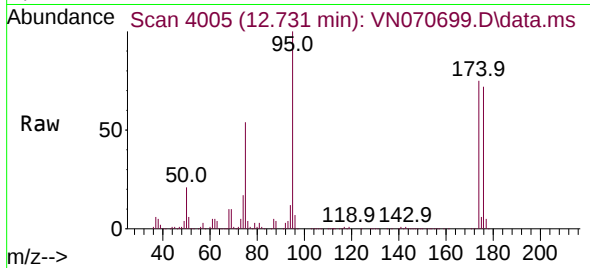




#62
4-Bromofluorobenzene
Concen: 43.818 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

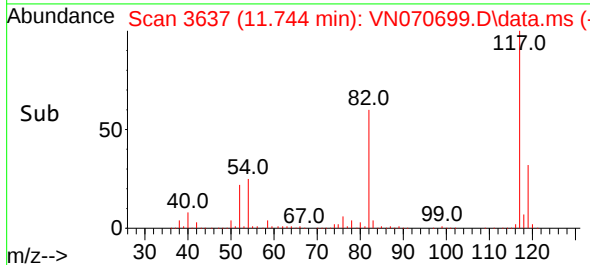
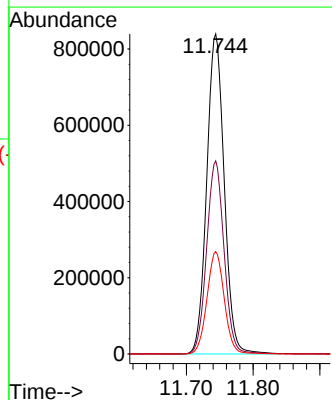
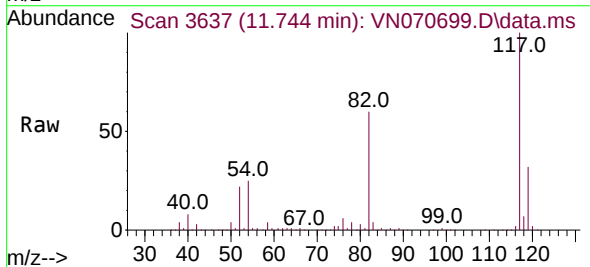
Instrument :
MSVOA_N
ClientSampleId :

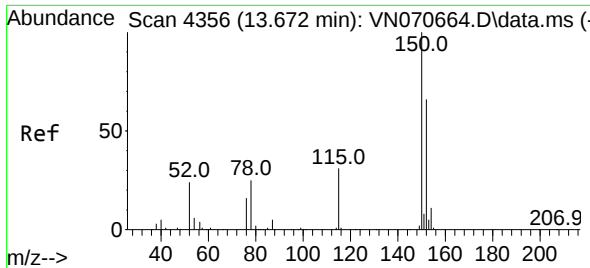
Tgt Ion: 95 Resp: 686073
Ion Ratio Lower Upper
95 100
174 74.3 0.0 187.2
176 71.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

Tgt Ion: 117 Resp: 1526572
Ion Ratio Lower Upper
117 100
82 60.3 42.4 63.6
119 32.0 25.4 38.2

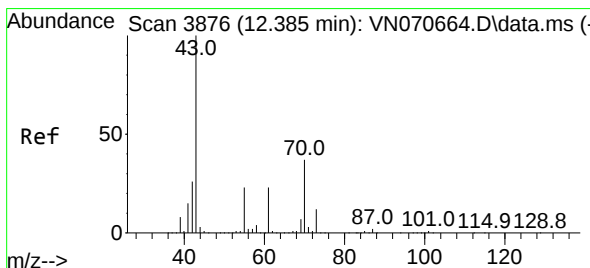
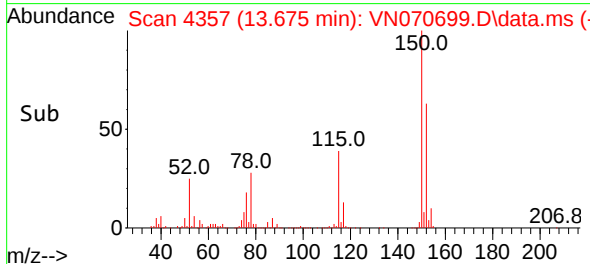
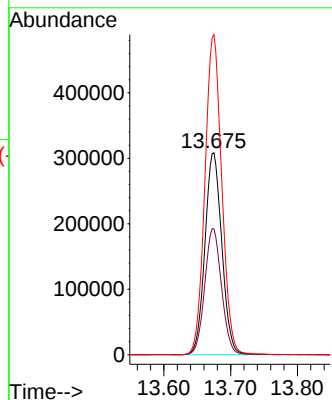
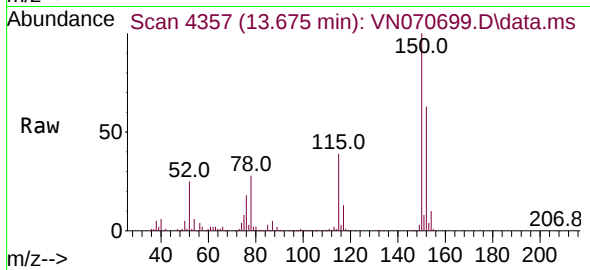




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070699.D
 Acq: 19 Jan 2022 14:55

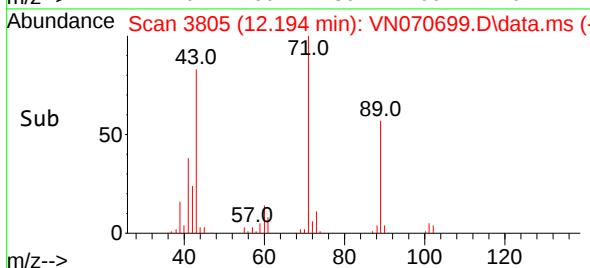
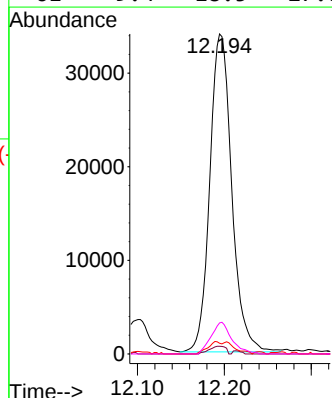
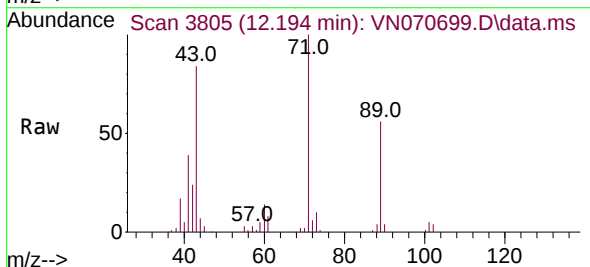
Instrument :
 MSVOA_N
 ClientSampleId :

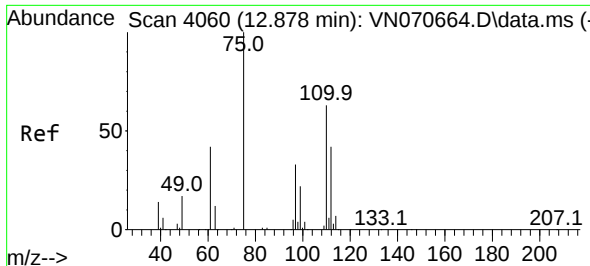
Tgt Ion:152 Resp: 541210
 Ion Ratio Lower Upper
 152 100
 115 62.2 27.5 82.5
 150 157.8 0.0 344.4



#74
 N-ethyl acetate
 Concen: 2.847 ug/l
 RT: 12.194 min Scan# 3805
 Delta R.T. -0.191 min
 Lab File: VN070699.D
 Acq: 19 Jan 2022 14:55

Tgt Ion: 43 Resp: 59597
 Ion Ratio Lower Upper
 43 100
 70 1.8 33.4 50.0#
 55 2.4 19.3 28.9#
 61 9.4 18.5 27.7#

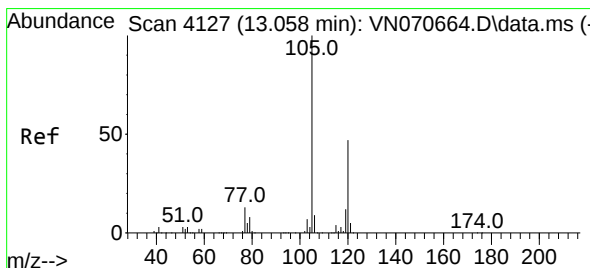
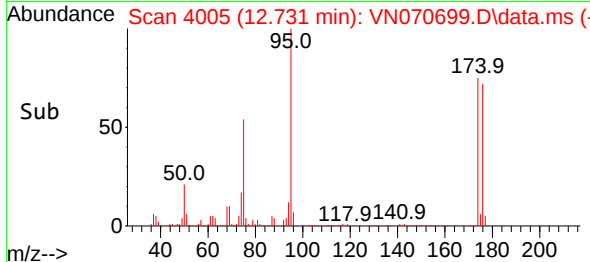
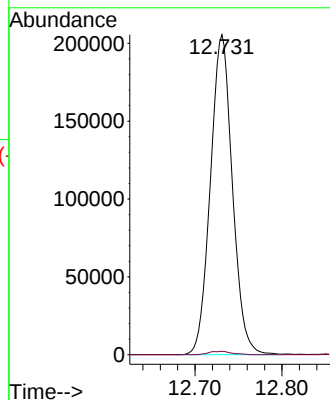
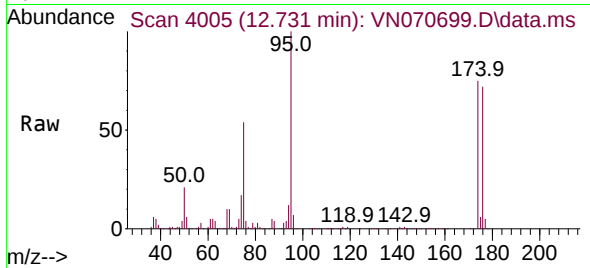




#76
 1,2,3-Trichloropropane
 Concen: 25.154 ug/l
 RT: 12.731 min Scan# 4060
 Delta R.T. -0.147 min
 Lab File: VN070699.D
 Acq: 19 Jan 2022 14:55

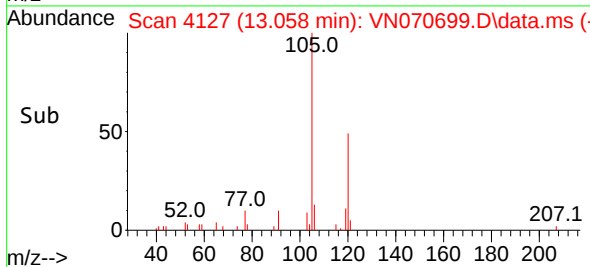
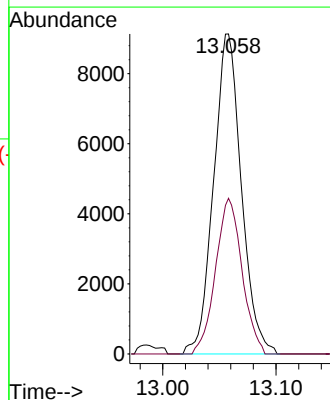
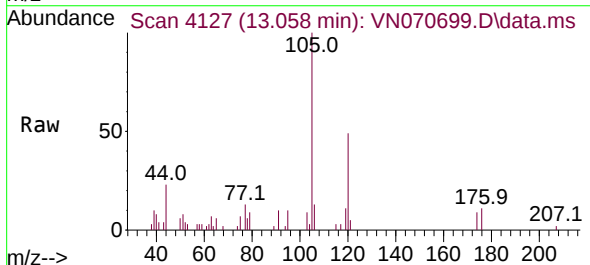
Instrument :
 MSVOA_N
 ClientSampleId :

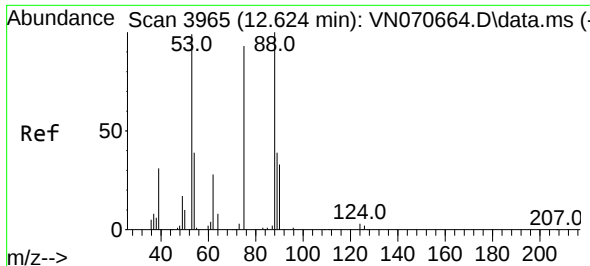
Tgt Ion: 75 Resp: 361074
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.375 ug/l
 RT: 13.058 min Scan# 4127
 Delta R.T. 0.000 min
 Lab File: VN070699.D
 Acq: 19 Jan 2022 14:55

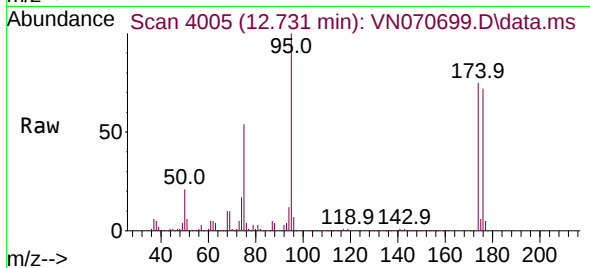
Tgt Ion: 105 Resp: 15529
 Ion Ratio Lower Upper
 105 100
 120 46.3 24.6 73.6



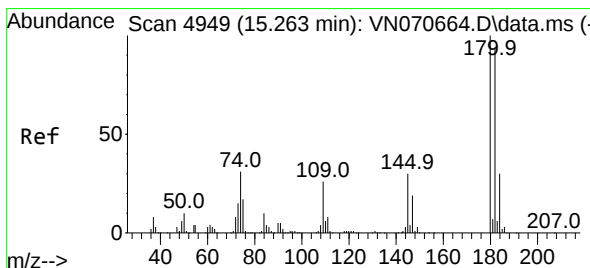
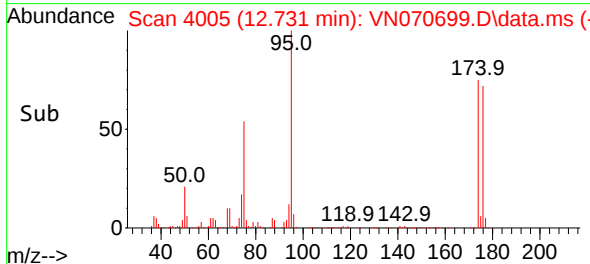
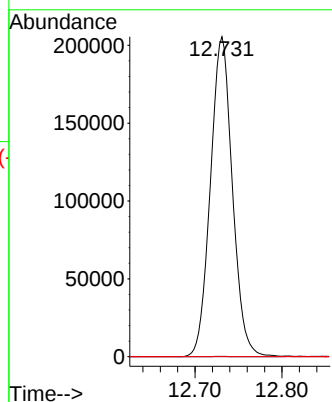


#81
trans-1,4-Dichloro-2-butene
Concen: 74.939 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

Instrument :
MSVOA_N
ClientSampleId :

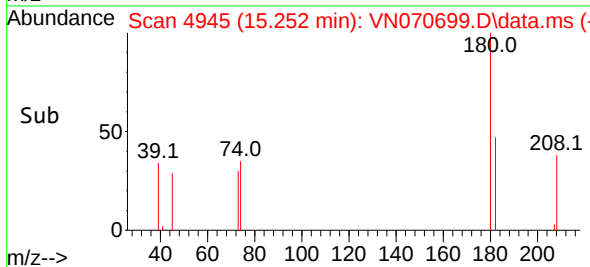
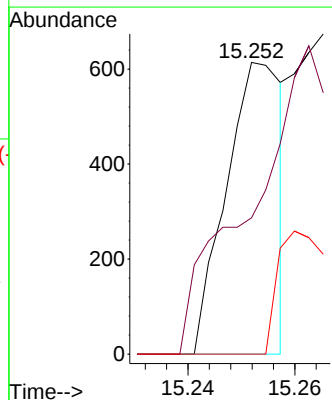
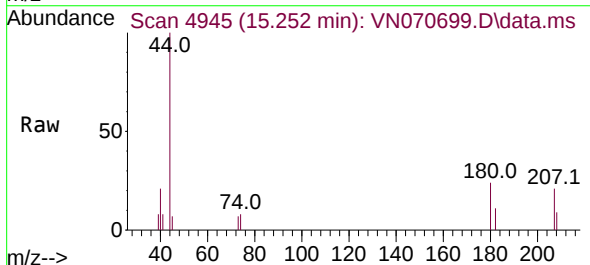


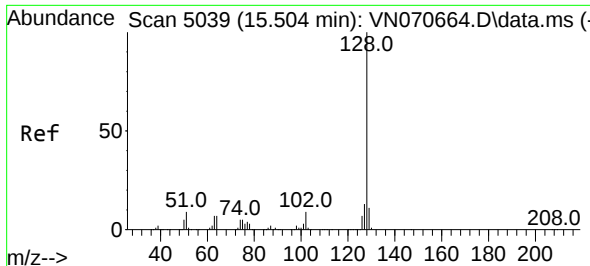
Tgt Ion: 75 Resp: 361074
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.467 ug/l
RT: 15.252 min Scan# 4945
Delta R.T. -0.011 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

Tgt Ion: 180 Resp: 446
Ion Ratio Lower Upper
180 100
182 220.9 48.3 144.9#
145 45.7 14.5 43.5#

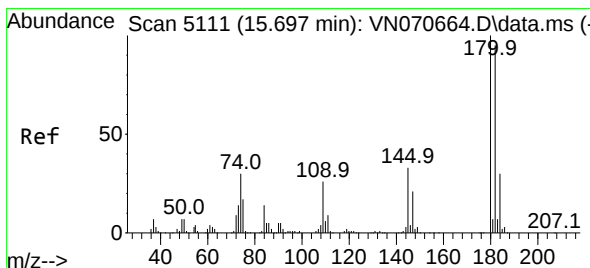
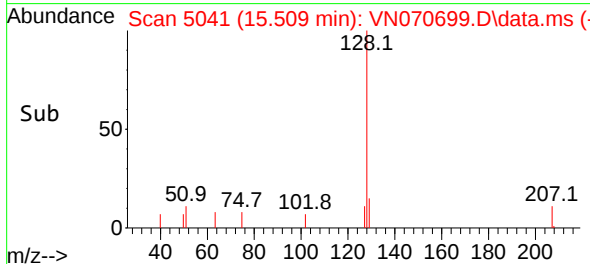
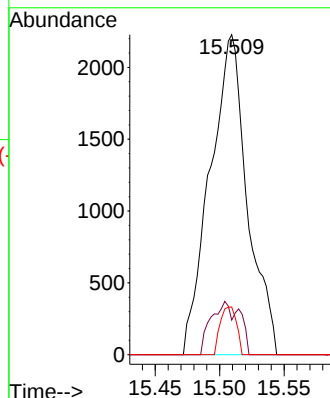
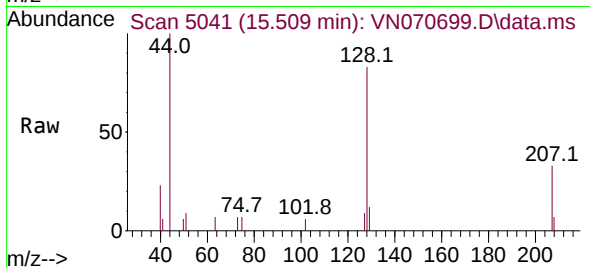




#95
Naphthalene
Concen: 5.092 ug/l
RT: 15.509 min Scan# 5039
Delta R.T. 0.005 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 4481
Ion Ratio Lower Upper
128 100
127 8.9 10.5 15.7#
129 6.5 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.281 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.008 min
Lab File: VN070699.D
Acq: 19 Jan 2022 14:55

Tgt Ion:180 Resp: 667
Ion Ratio Lower Upper
180 100
182 85.2 47.4 142.2
145 14.5 15.0 45.1#

