

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012122\
 Data File : VN070736.D
 Acq On : 21 Jan 2022 17:16
 Operator : JC/MD
 Sample : PB142170ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 05:30:00 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)

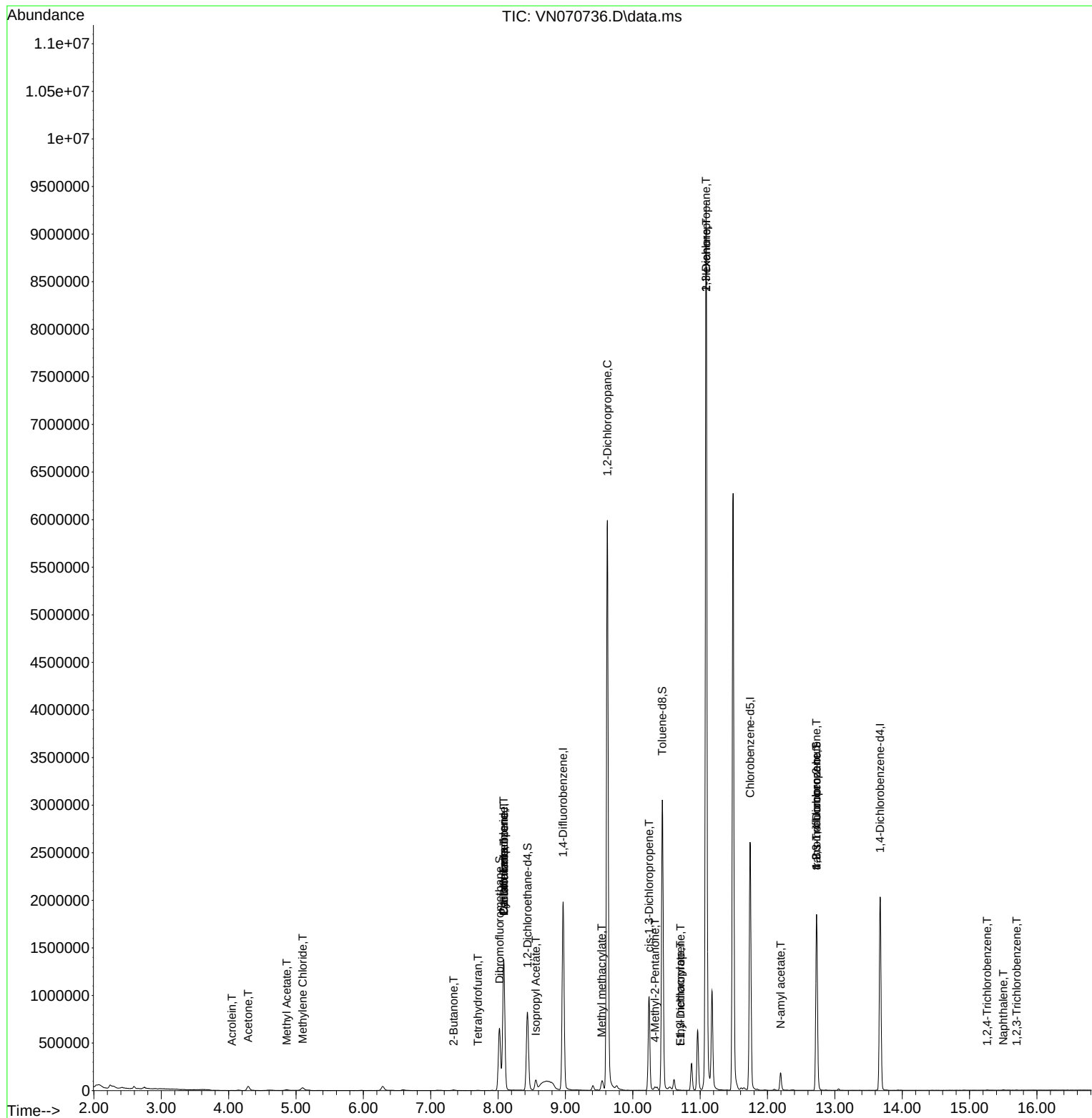
Internal Standards						
1) Pentafluorobenzene	8.086	168	1037356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1685666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1496850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	547570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	703957	47.351	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.700%
35) Dibromofluoromethane	8.021	113	486883	46.564	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.120%
50) Toluene-d8	10.438	98	2102546	47.732	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.460%
62) 4-Bromofluorobenzene	12.728	95	690472	43.988	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.980%
Target Compounds						
					Qvalue	
13) Acrolein	4.047	56	777	0.202	ug/l #	80
16) Acetone	4.291	43	81082	7.858	ug/l	97
18) Methyl Acetate	4.862	43	15178	0.748	ug/l #	69
20) Methylene Chloride	5.098	84	19139	1.408	ug/l	90
25) 2-Butanone	7.340	43	12594	0.970	ug/l	98
29) Tetrahydrofuran	7.702	42	2484	0.312	ug/l #	54
30) Chloroform	8.078	83	100	Below Cal	#	18
31) Cyclohexane	8.086	56	23469	0.896	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	86193	4.897	ug/l #	49
38) Carbon Tetrachloride	8.083	117	107016	6.834	ug/l #	16
43) Isopropyl Acetate	8.560	43	132191	3.703	ug/l #	85
45) 1,2-Dichloropropane	9.622	63	7139	0.481	ug/l #	44
48) Methyl methacrylate	9.539	41	30547	1.796	ug/l #	8
51) 4-Methyl-2-Pentanone	10.328	43	18997	0.834	ug/l	89
53) t-1,3-Dichloropropene	10.709	75	106	2.409	ug/l #	82
54) cis-1,3-Dichloropropene	10.242	75	169561	8.016	ug/l #	63
56) Ethyl methacrylate	10.703	69	511	2.322	ug/l #	24
57) 1,3-Dichloropropane	11.087	76	96664	4.260	ug/l #	43
59) 2-Hexanone	11.089	43	1612198	97.435	ug/l #	48
74) N-amyl acetate	12.194	43	66323	3.131	ug/l #	51
76) 1,2,3-Trichloropropane	12.728	75	364772	25.117	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	364772	74.827	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	1161	3.532	ug/l	94
95) Naphthalene	15.501	128	4337	5.086	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.700	180	1060	3.318	ug/l #	86

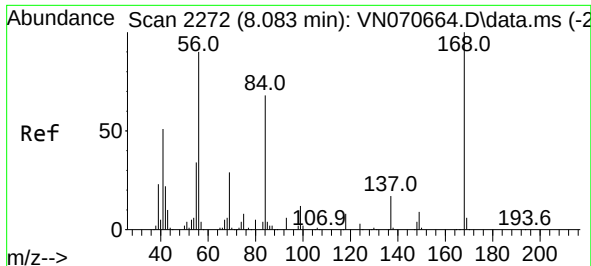
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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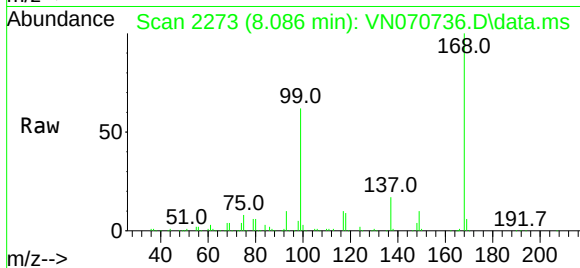
Quant Time: Jan 22 05:30:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration



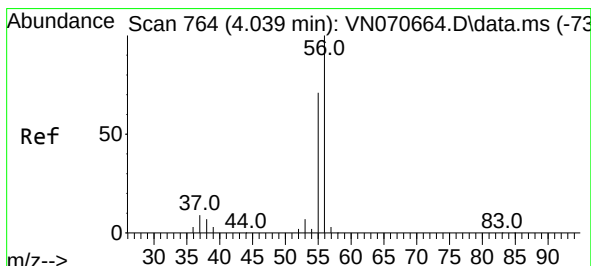
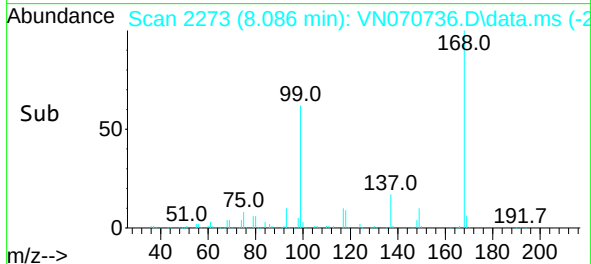
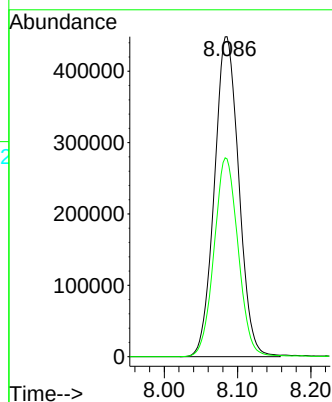


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

Instrument :
MSVOA_N
ClientSampleId :

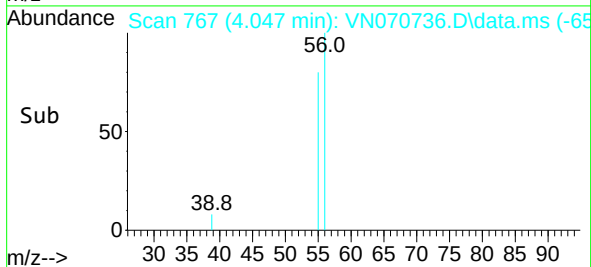
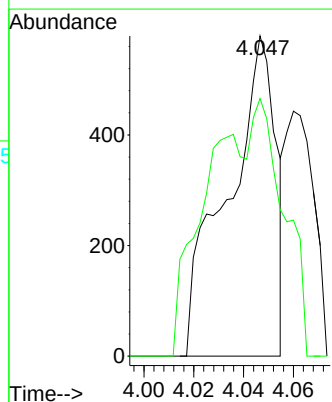
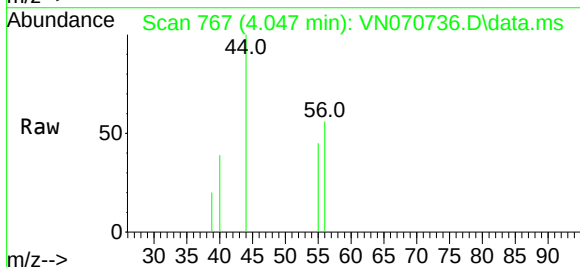


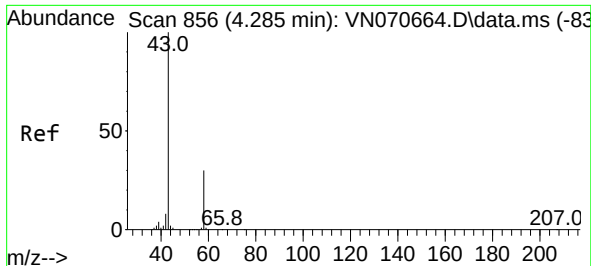
Tgt Ion:168 Resp: 1037356
Ion Ratio Lower Upper
168 100
99 61.8 41.3 61.9



#13
Acrolein
Concen: 0.202 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

Tgt Ion: 56 Resp: 777
Ion Ratio Lower Upper
56 100
55 54.4 56.6 85.0#

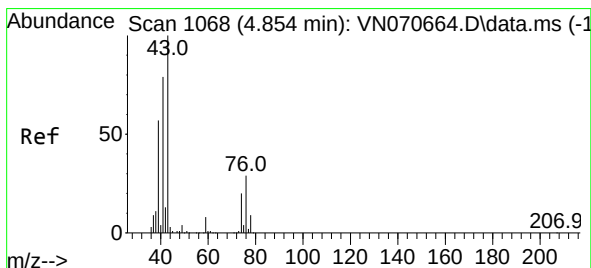
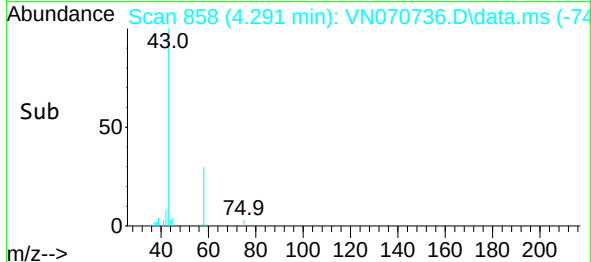
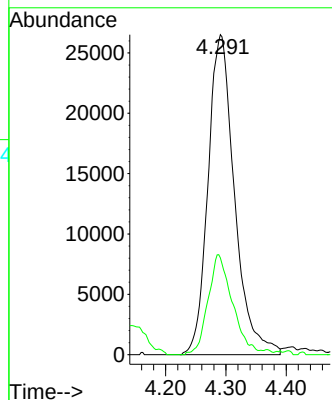
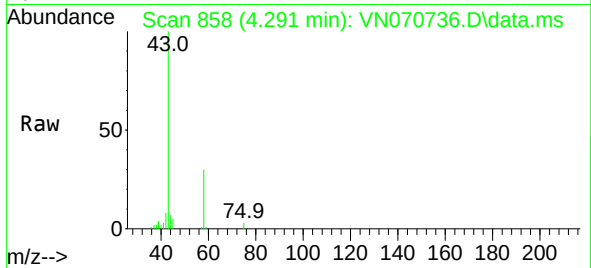




#16
Acetone
Concen: 7.858 ug/l
RT: 4.291 min Scan# 810
Delta R.T. 0.006 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

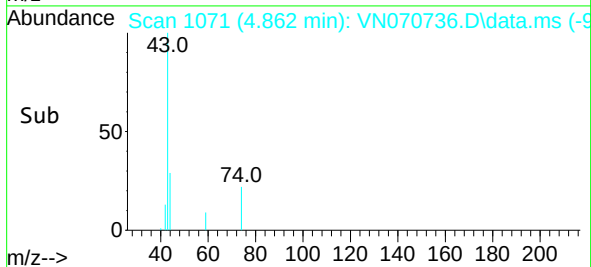
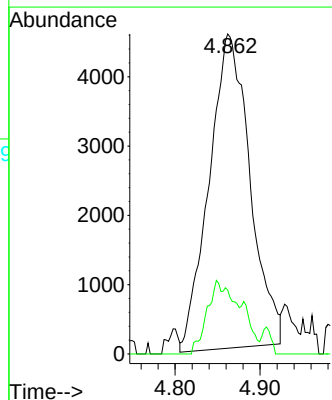
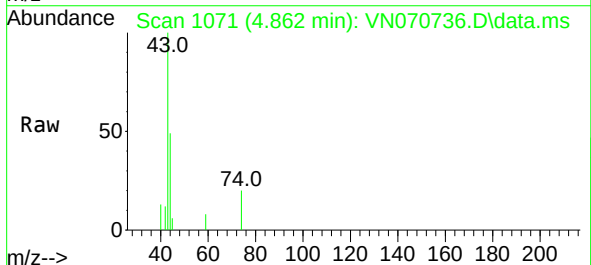
Instrument :
MSVOA_N
ClientSampleId :

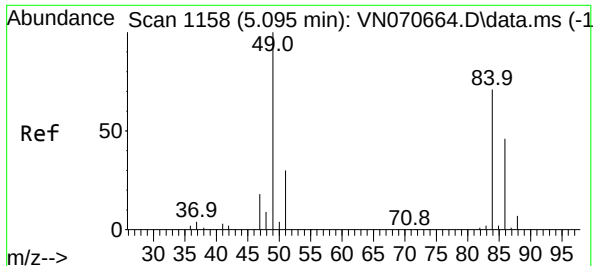
Tgt Ion: 43 Resp: 81082
Ion Ratio Lower Upper
43 100
58 30.2 23.1 34.7



#18
Methyl Acetate
Concen: 0.748 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

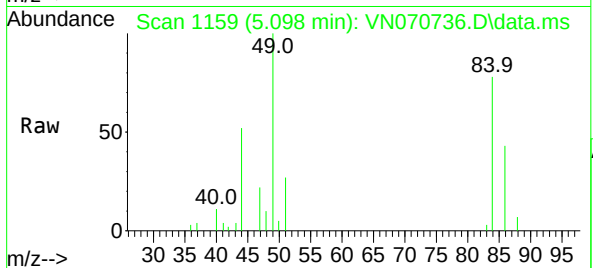
Tgt Ion: 43 Resp: 15178
Ion Ratio Lower Upper
43 100
74 9.1 19.4 29.2#



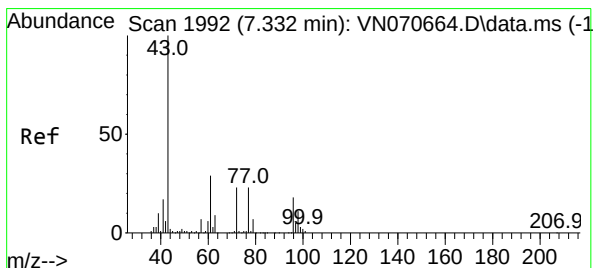
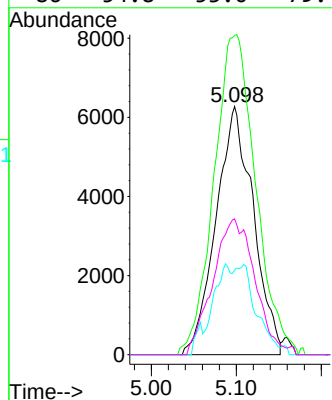


#20
Methylene Chloride
Concen: 1.408 ug/l
RT: 5.098 min Scan# 1158
Delta R.T. 0.003 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

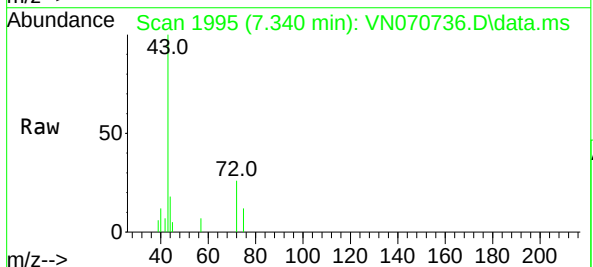
Instrument :
MSVOA_N
ClientSampleId :



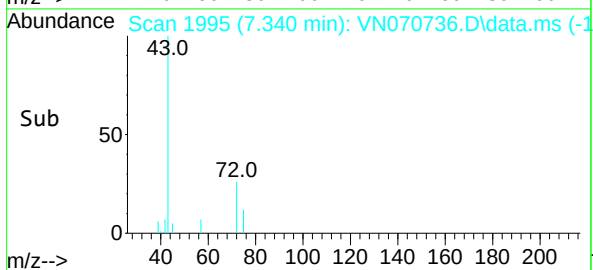
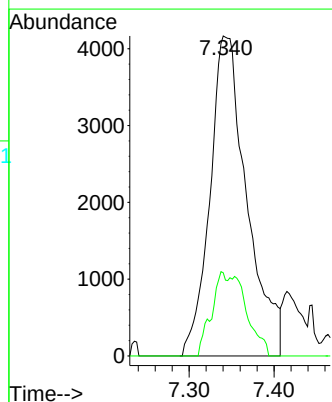
Tgt Ion:	84	Resp:	19139
Ion	Ratio	Lower	Upper
84	100		
49	126.1	93.5	140.3
51	34.1	29.4	44.2
86	54.8	53.0	79.4

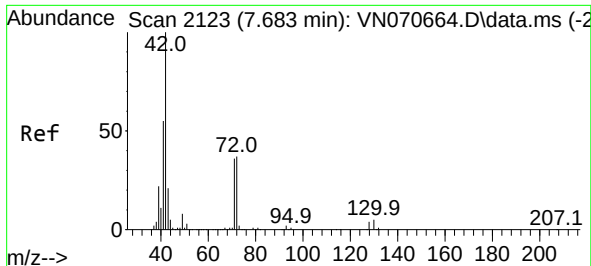


#25
2-Butanone
Concen: 0.970 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.008 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16



Tgt Ion:	43	Resp:	12594
Ion	Ratio	Lower	Upper
43	100		
72	26.0	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.312 ug/l

RT: 7.702 min Scan# 21

Delta R.T. 0.019 min

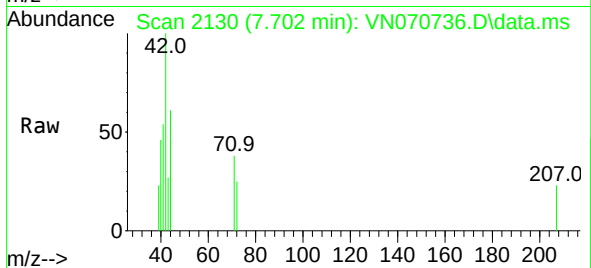
Lab File: VN070736.D

Acq: 21 Jan 2022 17:16

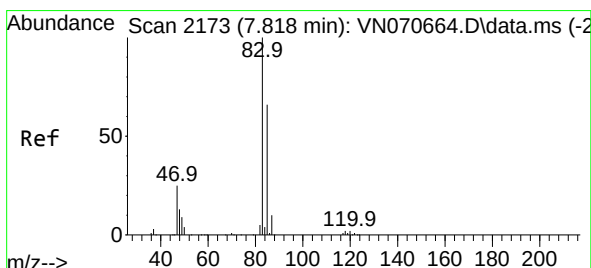
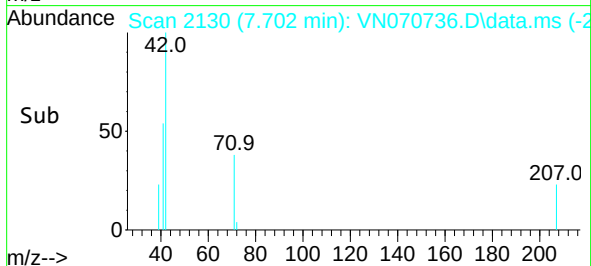
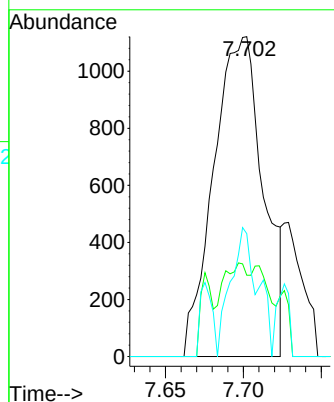
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	2484
Ion	Ratio	Lower	Upper
42	100		
72	7.5	36.3	54.5#
71	22.0	34.7	52.1#



#30

Chloroform

Concen: Below Cal

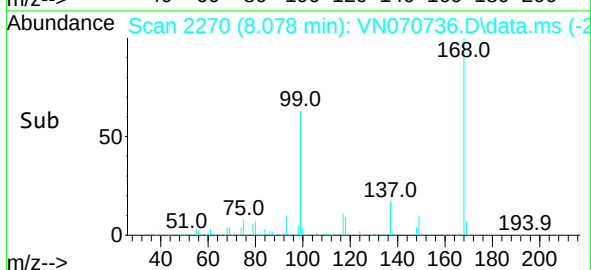
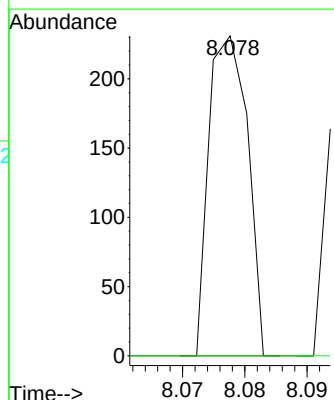
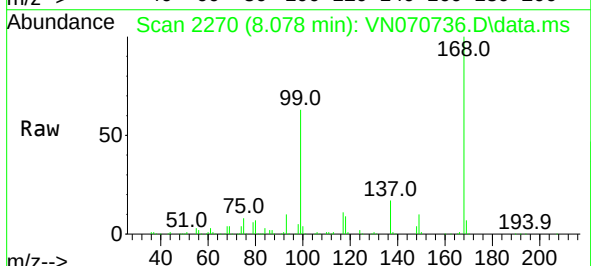
RT: 8.078 min Scan# 2270

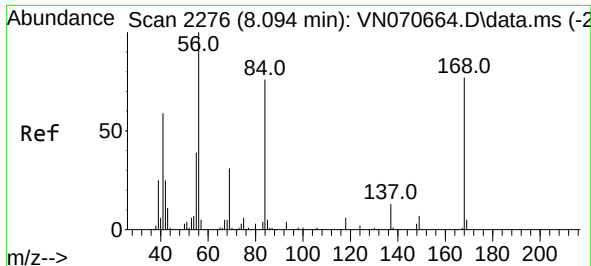
Delta R.T. 0.260 min

Lab File: VN070736.D

Acq: 21 Jan 2022 17:16

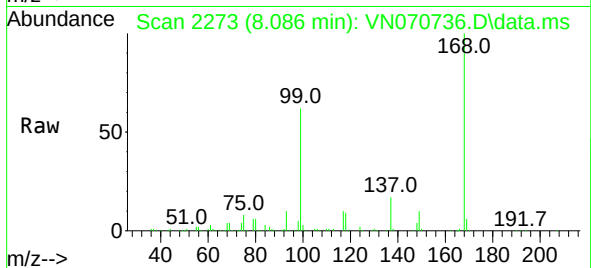
Tgt Ion:	83	Resp:	100
Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.9	77.9#



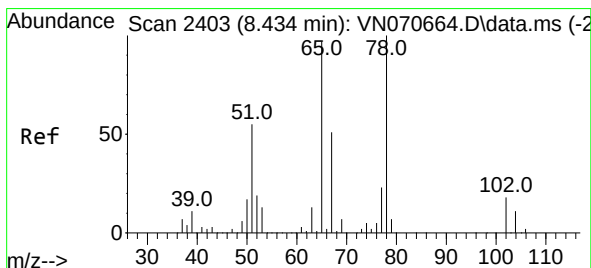
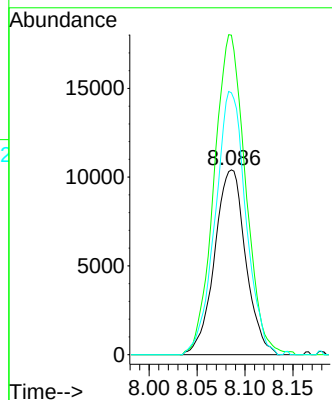
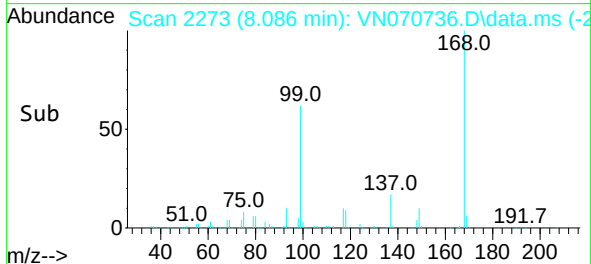


#31
Cyclohexane
Concen: 0.896 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

Instrument :
MSVOA_N
ClientSampleId :

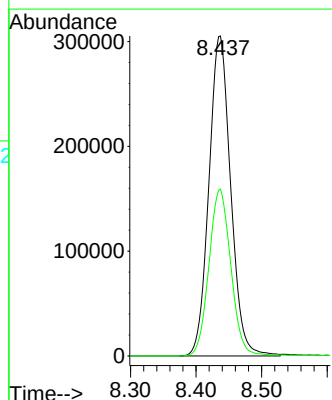
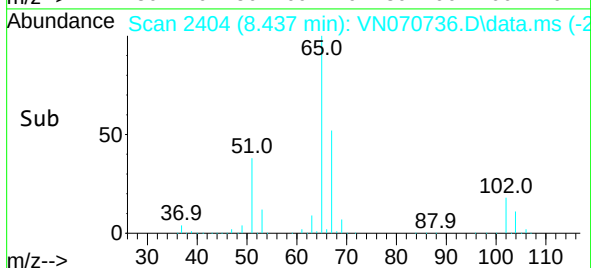
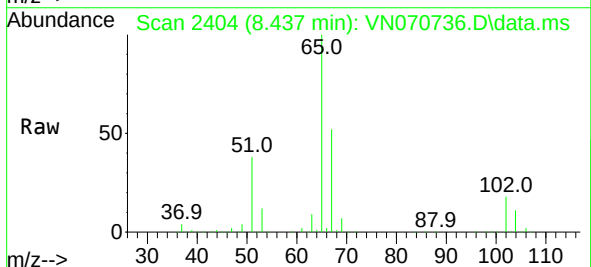


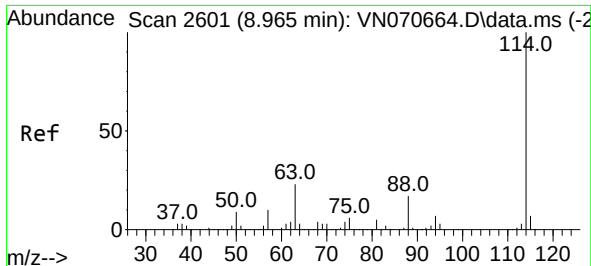
Tgt Ion: 56 Resp: 23469
Ion Ratio Lower Upper
56 100
69 172.9 27.1 40.7#
84 141.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 47.351 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

Tgt Ion: 65 Resp: 703957
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.0

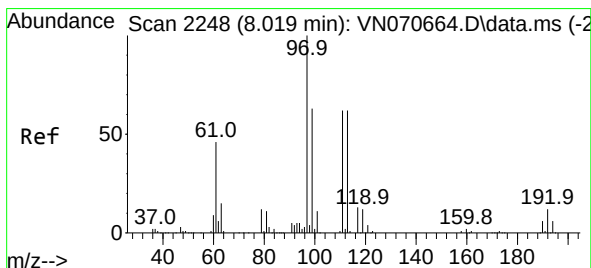
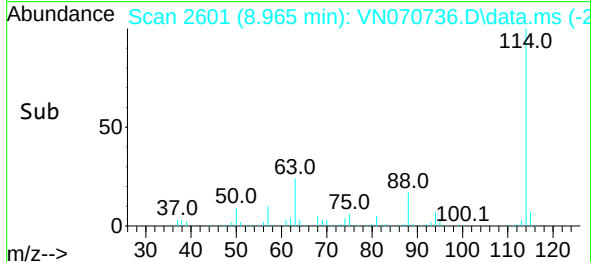
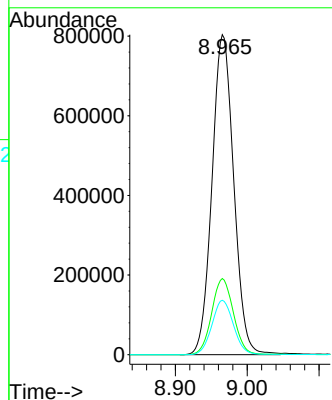
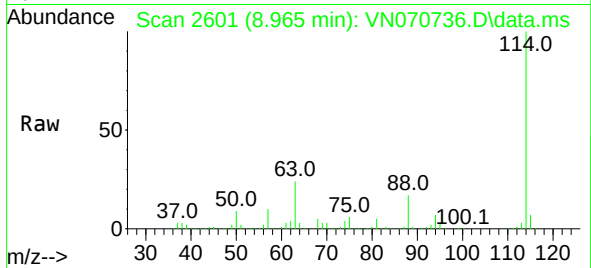




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

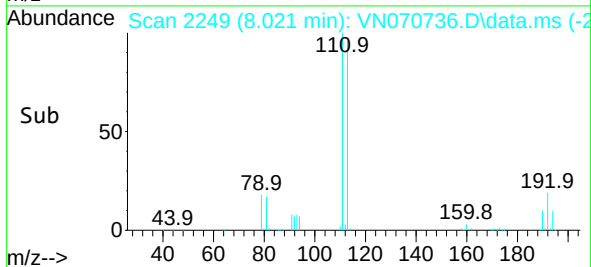
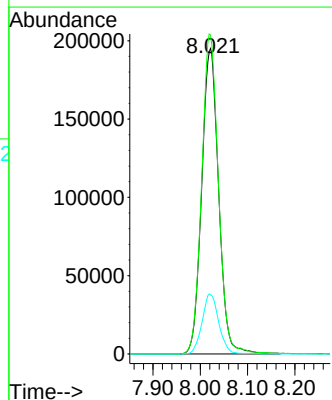
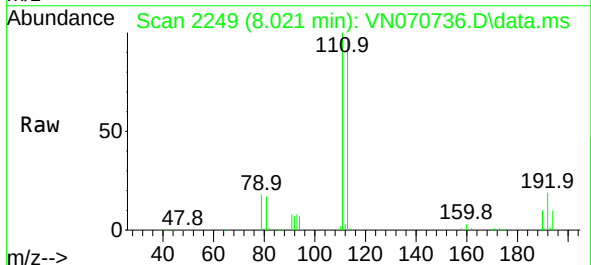
Instrument :
MSVOA_N
ClientSampleId :

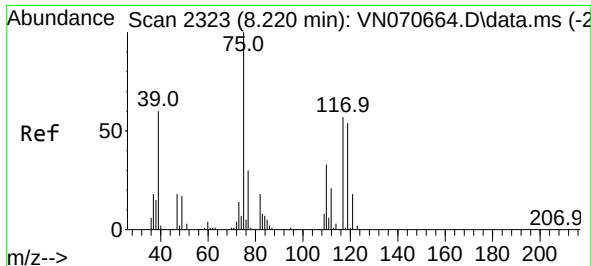
Tgt Ion:114 Resp: 1685666
Ion Ratio Lower Upper
114 100
63 23.8 0.0 37.8
88 17.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.564 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.002 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

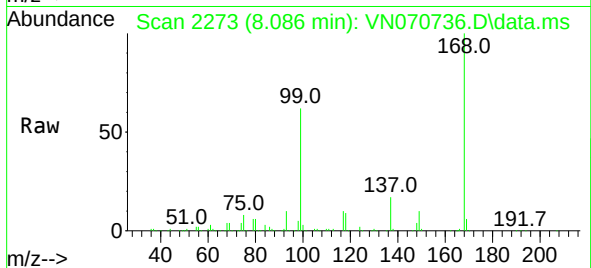
Tgt Ion:113 Resp: 486883
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 19.2 16.9 25.3



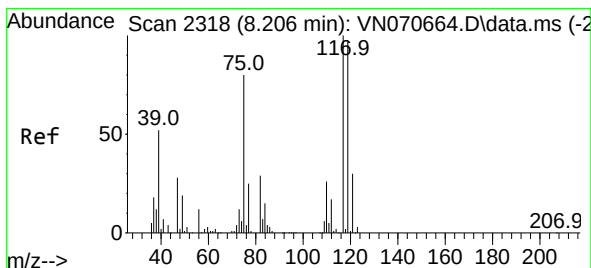
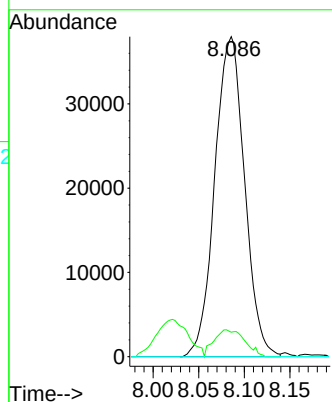
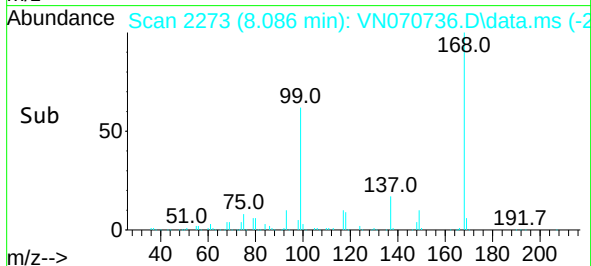


#36
 1,1-Dichloropropene
 Concen: 4.897 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.134 min
 Lab File: VN070736.D
 Acq: 21 Jan 2022 17:16

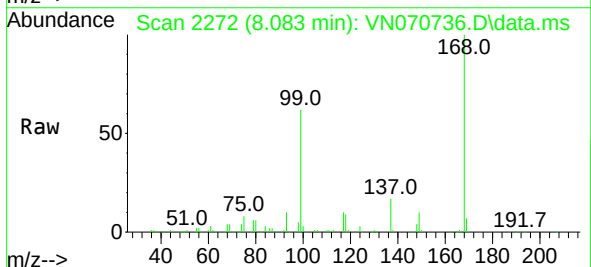
Instrument :
 MSVOA_N
 ClientSampleId :



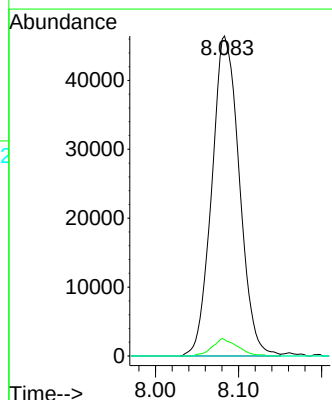
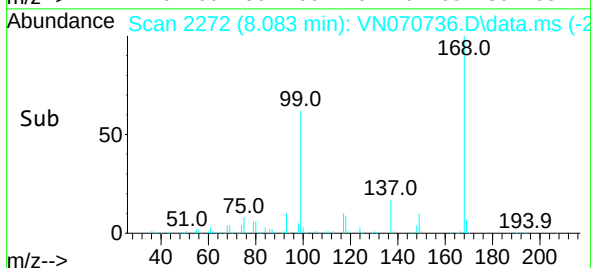
Tgt Ion: 75 Resp: 86193
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.2#
 77 0.0 24.4 36.6#

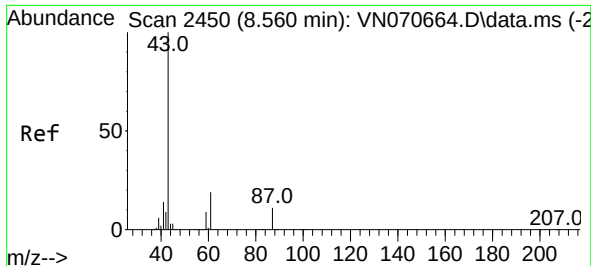


#38
 Carbon Tetrachloride
 Concen: 6.834 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.123 min
 Lab File: VN070736.D
 Acq: 21 Jan 2022 17:16



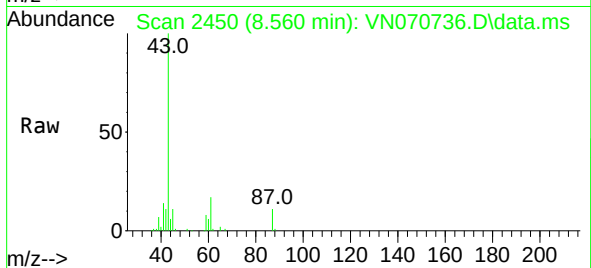
Tgt Ion: 117 Resp: 107016
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.1 114.1#
 121 0.0 24.2 36.2#



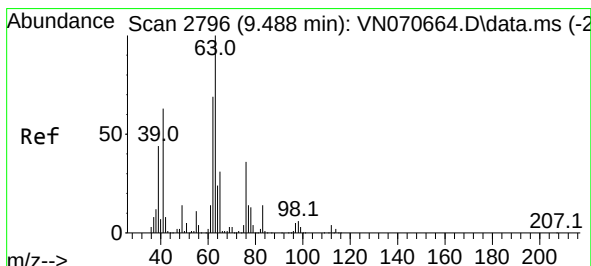
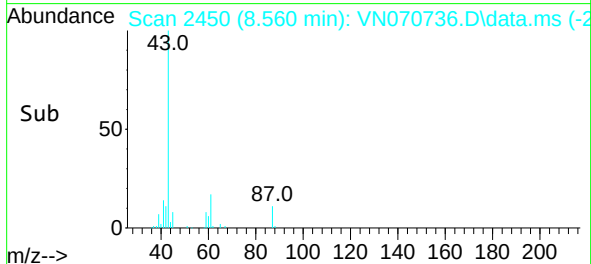
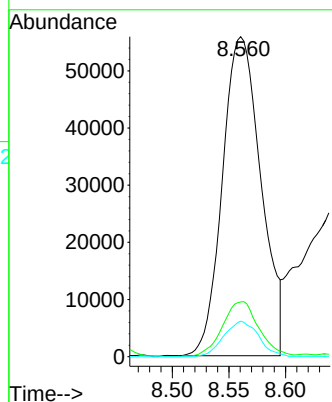


#43
Isopropyl Acetate
Concen: 3.703 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

Instrument :
MSVOA_N
ClientSampleId :

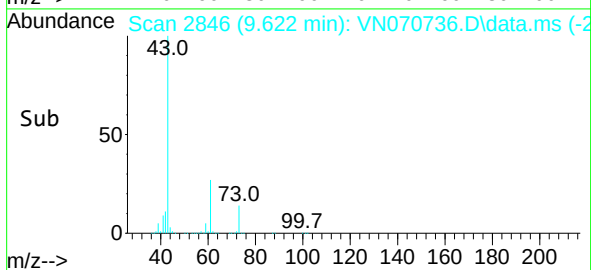
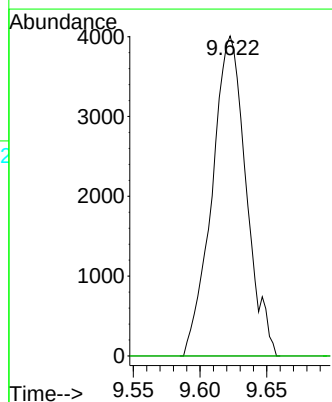
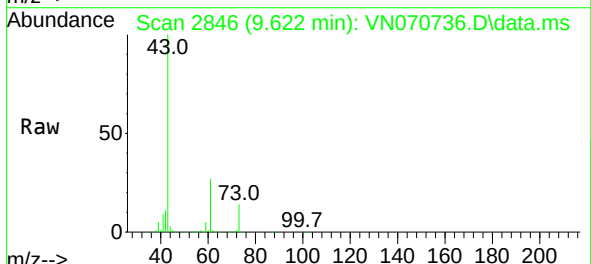


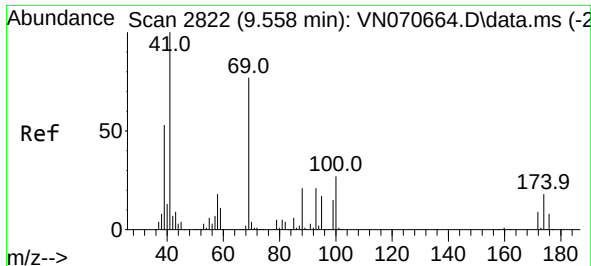
Tgt Ion: 43 Resp: 132191
Ion Ratio Lower Upper
43 100
61 16.5 20.4 30.6#
87 10.0 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.481 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.134 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

Tgt Ion: 63 Resp: 7139
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

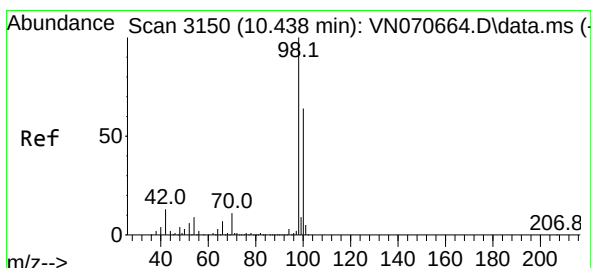
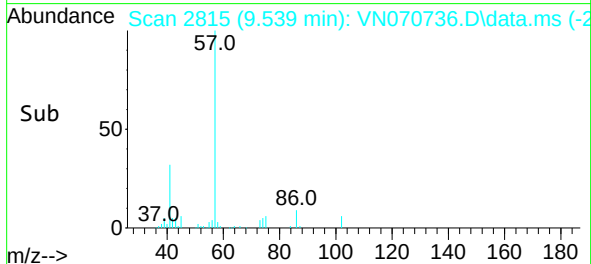
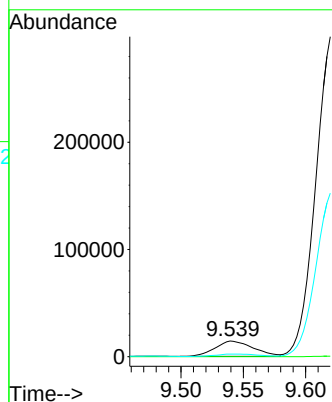
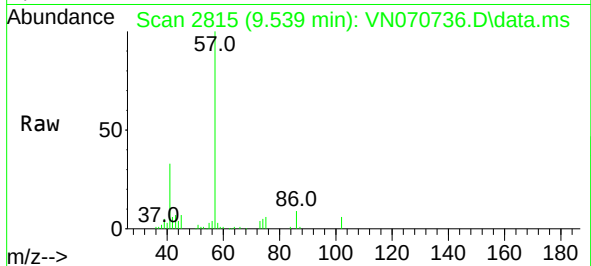




#48
Methyl methacrylate
Concen: 1.796 ug/l
RT: 9.539 min Scan# 21
Delta R.T. -0.019 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

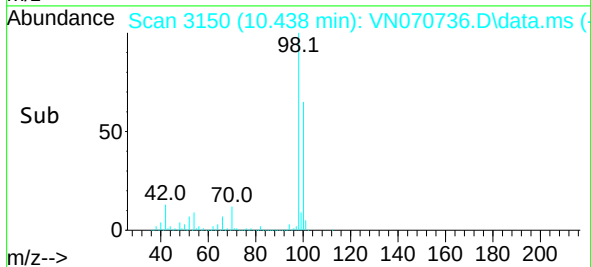
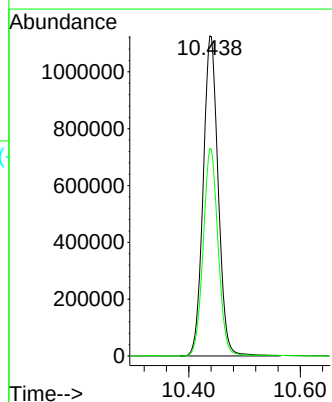
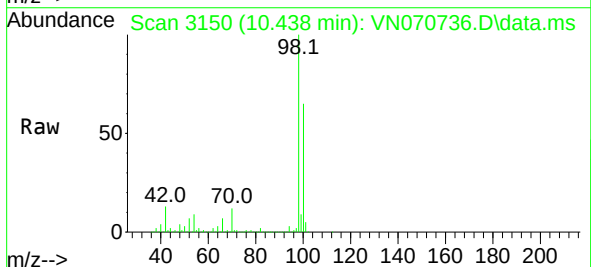
Instrument :
MSVOA_N
ClientSampleId :

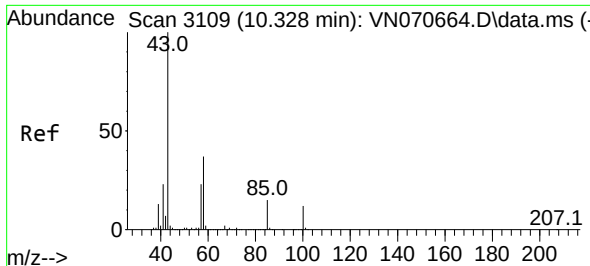
Tgt Ion: 41 Resp: 30547
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#50
Toluene-d8
Concen: 47.732 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

Tgt Ion: 98 Resp: 2102546
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6

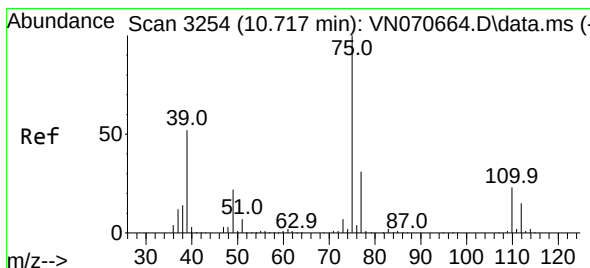
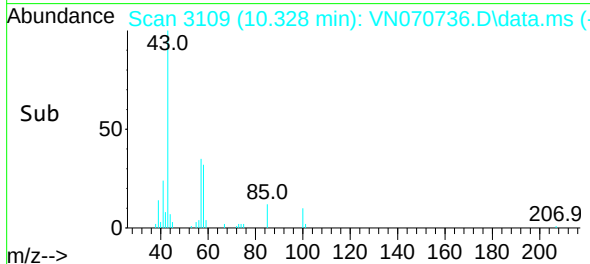
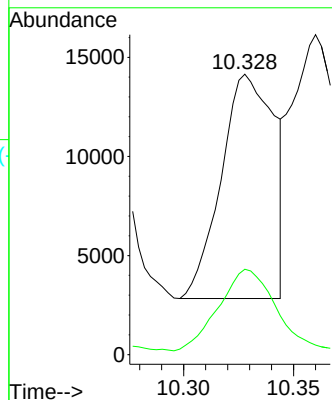
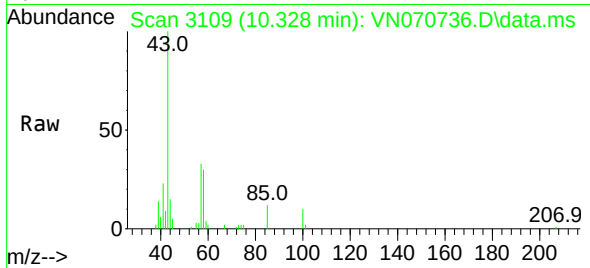




#51
4-Methyl-2-Pentanone
Concen: 0.834 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

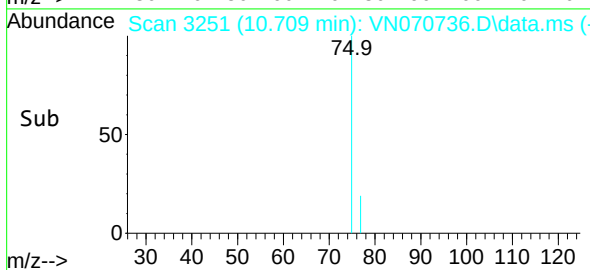
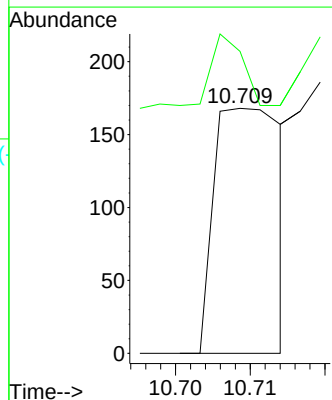
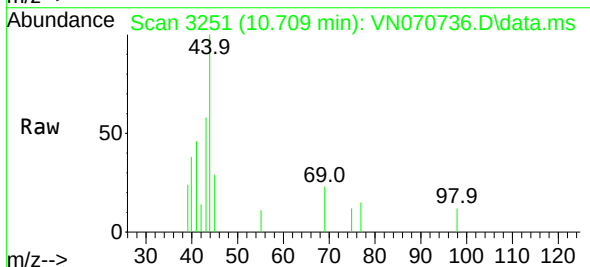
Instrument :
MSVOA_N
ClientSampleId :

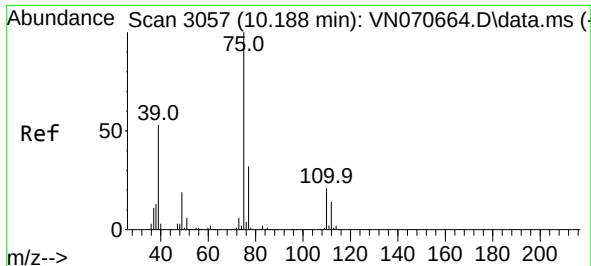
Tgt Ion: 43 Resp: 18997
Ion Ratio Lower Upper
43 100
58 44.5 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.409 ug/l
RT: 10.709 min Scan# 3251
Delta R.T. -0.008 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

Tgt Ion: 75 Resp: 106
Ion Ratio Lower Upper
75 100
77 22.0 25.6 38.4#

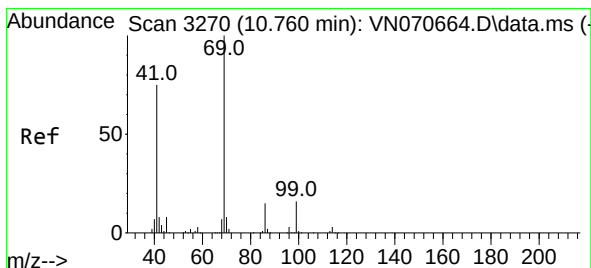
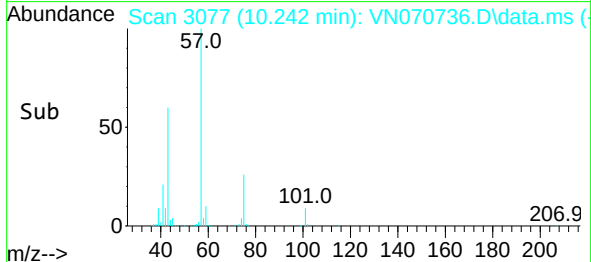
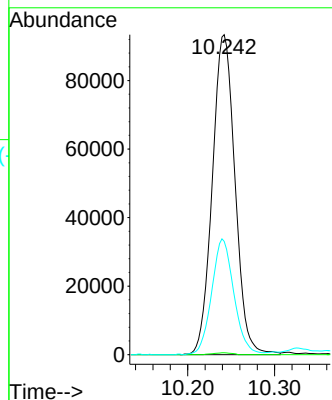
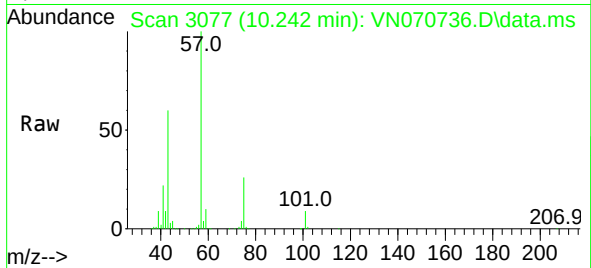




#54
 cis-1,3-Dichloropropene
 Concen: 8.016 ug/l
 RT: 10.242 min Scan# 3057
 Delta R.T. 0.054 min
 Lab File: VN070736.D
 Acq: 21 Jan 2022 17:16

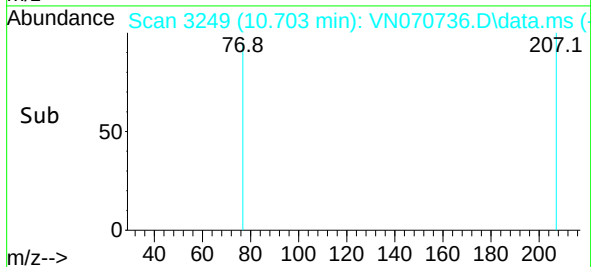
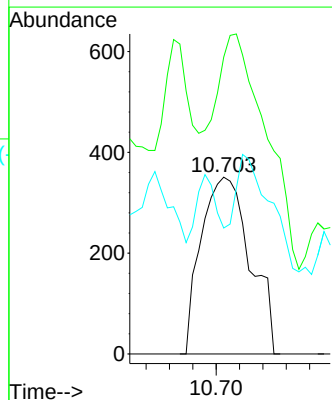
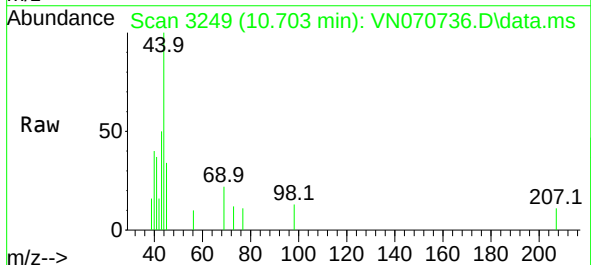
Instrument :
 MSVOA_N
 ClientSampleId :

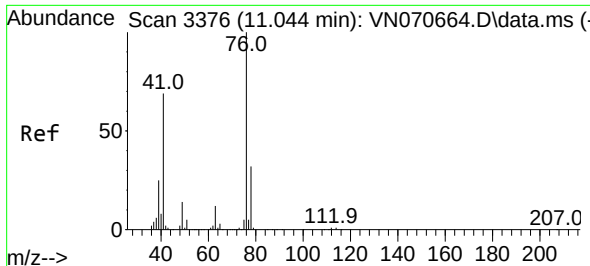
Tgt Ion: 75 Resp: 169561
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.4 39.6#
 39 35.2 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.322 ug/l
 RT: 10.703 min Scan# 3249
 Delta R.T. -0.057 min
 Lab File: VN070736.D
 Acq: 21 Jan 2022 17:16

Tgt Ion: 69 Resp: 511
 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: 4.260 ug/l

RT: 11.087 min Scan# 3392

Delta R.T. 0.043 min

Lab File: VN070736.D

Acq: 21 Jan 2022 17:16

Instrument :

MSVOA_N

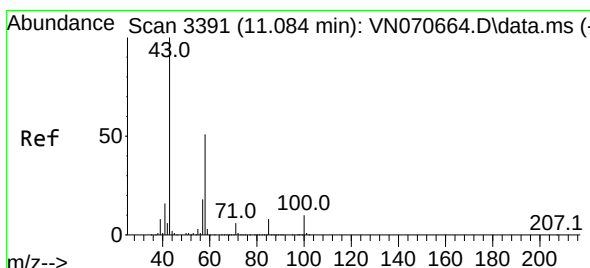
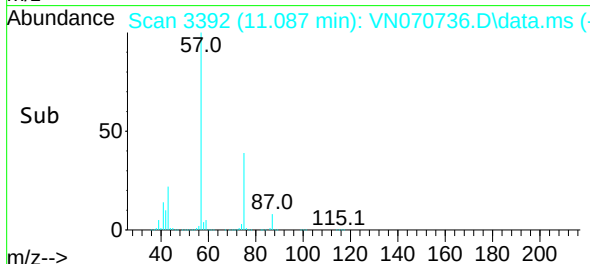
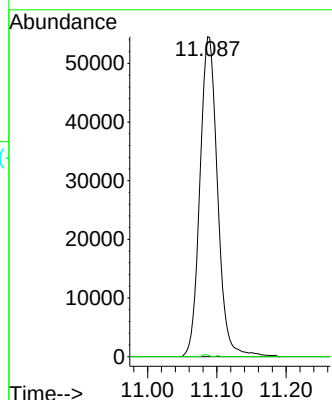
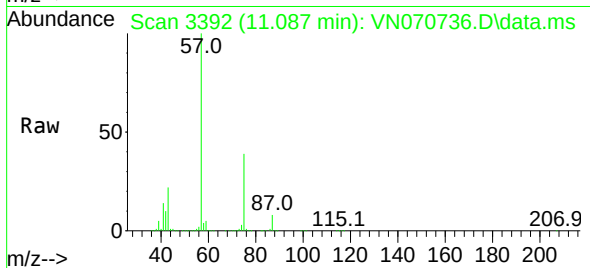
ClientSampleId :

Tgt Ion: 76 Resp: 96664

Ion Ratio Lower Upper

76 100

78 0.2 25.7 38.5#



#59

2-Hexanone

Concen: 97.435 ug/l

RT: 11.089 min Scan# 3393

Delta R.T. 0.005 min

Lab File: VN070736.D

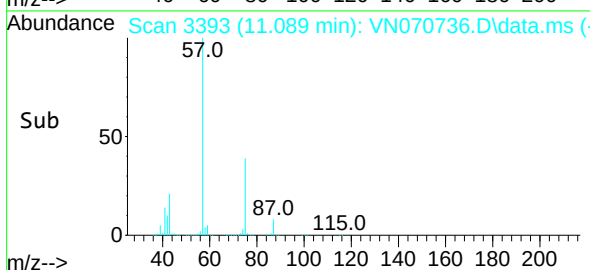
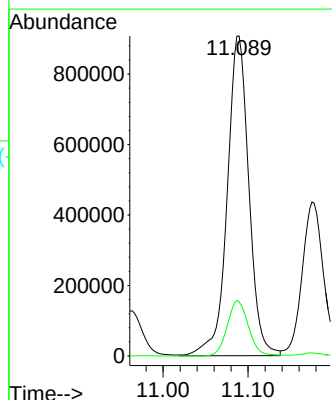
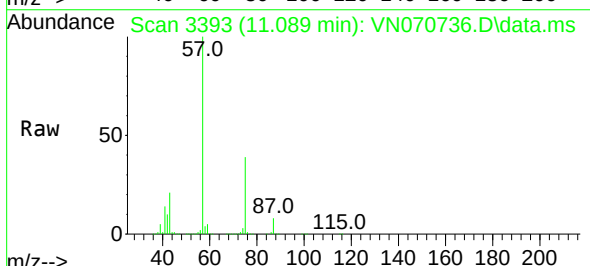
Acq: 21 Jan 2022 17:16

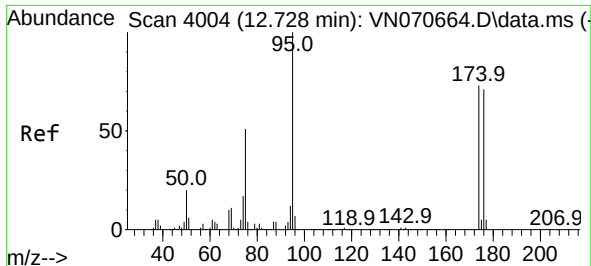
Tgt Ion: 43 Resp: 1612198

Ion Ratio Lower Upper

43 100

58 17.0 26.9 80.7#

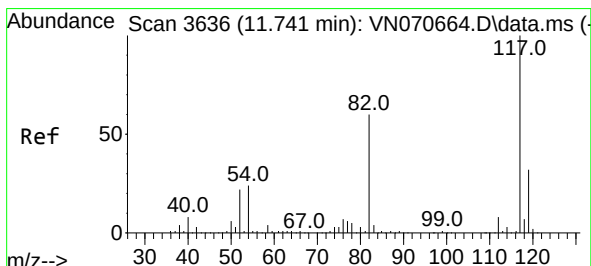
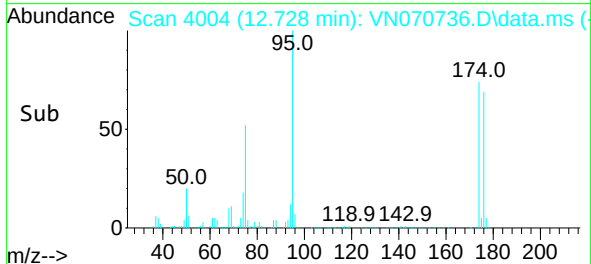
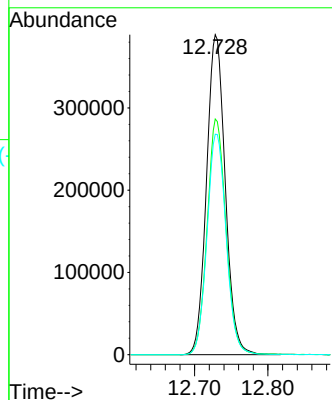
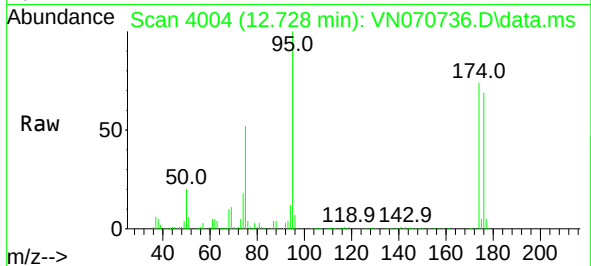




#62
4-Bromofluorobenzene
Concen: 43.988 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

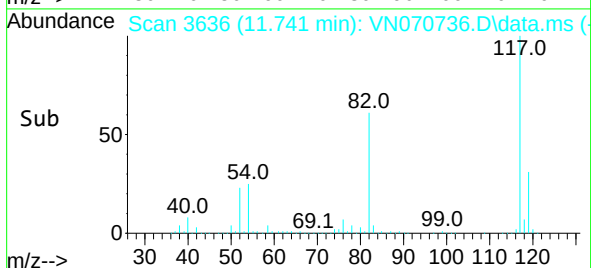
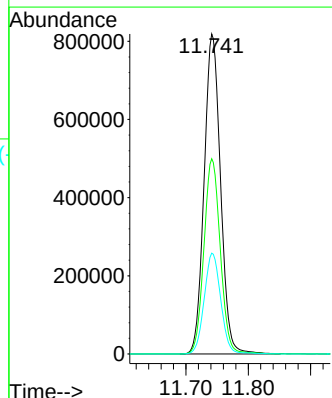
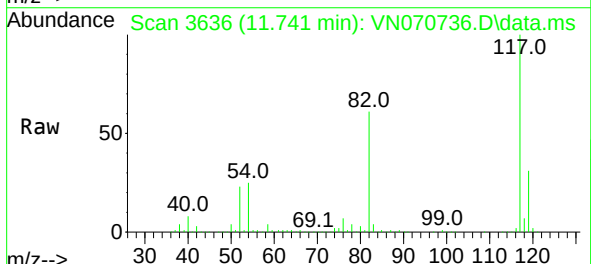
Instrument :
MSVOA_N
ClientSampleId :

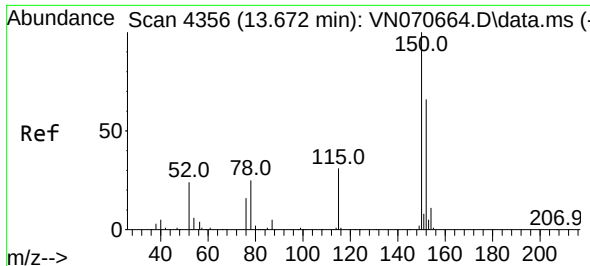
Tgt Ion: 95 Resp: 690472
Ion Ratio Lower Upper
95 100
174 73.9 0.0 187.2
176 70.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3636
Delta R.T. 0.000 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

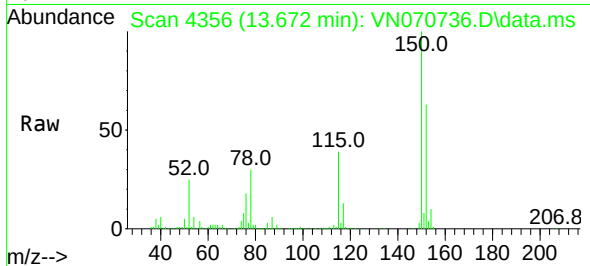
Tgt Ion: 117 Resp: 1496850
Ion Ratio Lower Upper
117 100
82 61.0 42.4 63.6
119 31.5 25.4 38.2



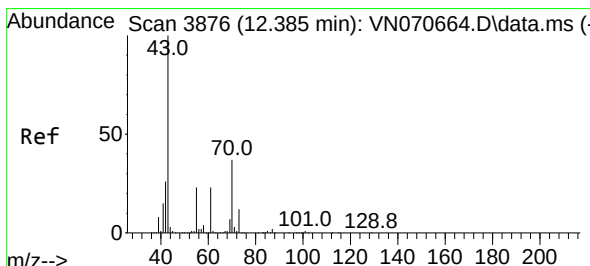
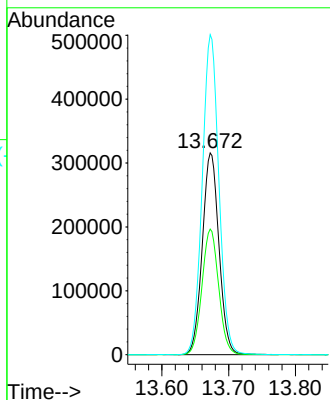
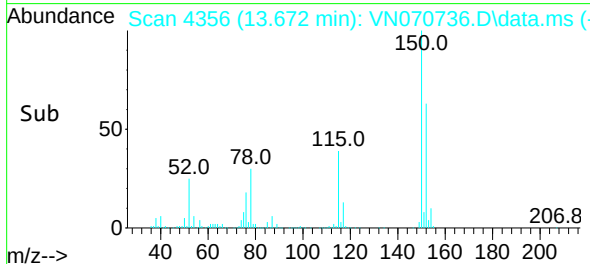


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

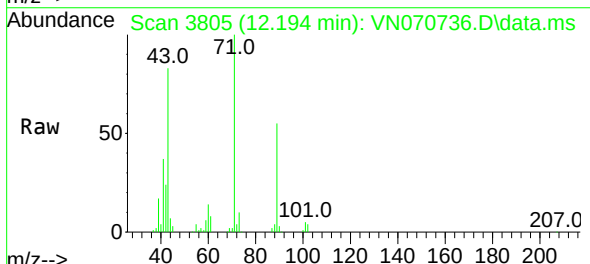
Instrument :
MSVOA_N
ClientSampleId :



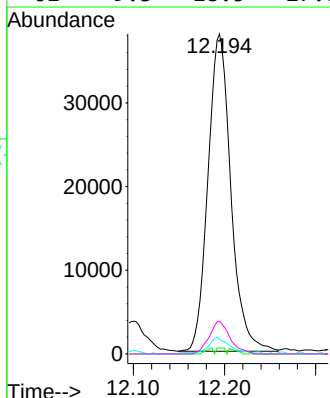
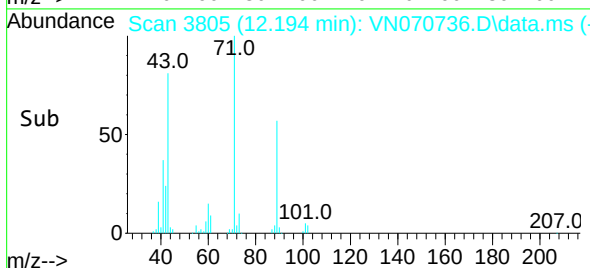
Tgt Ion:152 Resp: 547570
Ion Ratio Lower Upper
152 100
115 62.2 27.5 82.5
150 158.4 0.0 344.4

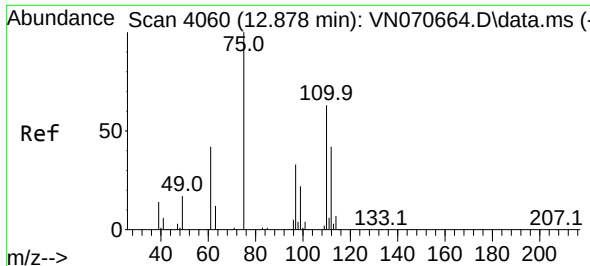


#74
N-ethyl acetate
Concen: 3.131 ug/l
RT: 12.194 min Scan# 3805
Delta R.T. -0.191 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16



Tgt Ion: 43 Resp: 66323
Ion Ratio Lower Upper
43 100
70 0.7 33.4 50.0#
55 4.8 19.3 28.9#
61 9.3 18.5 27.7#

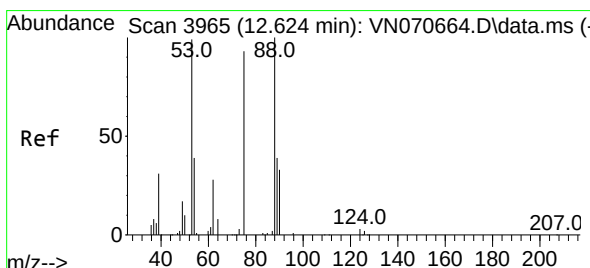
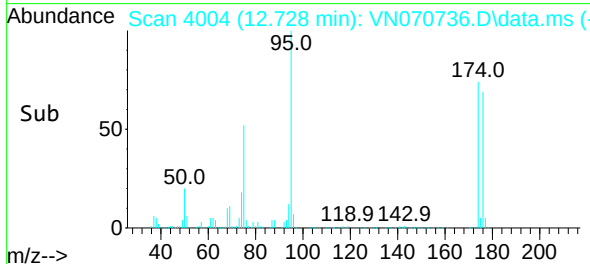
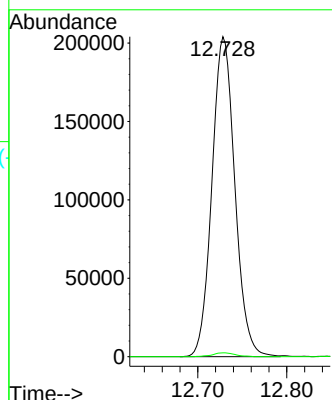
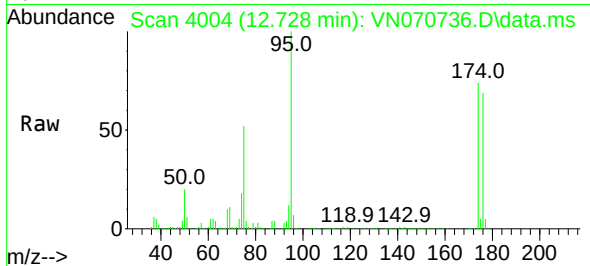




#76
1,2,3-Trichloropropane
Concen: 25.117 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

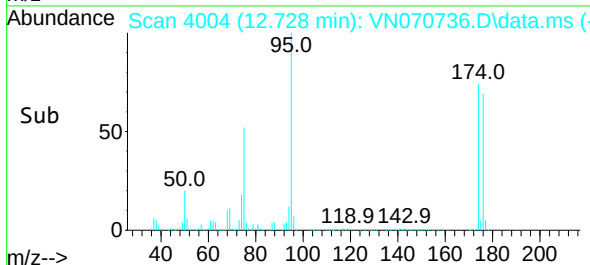
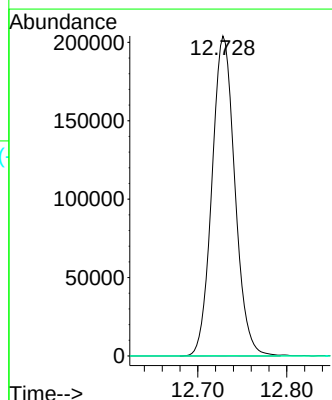
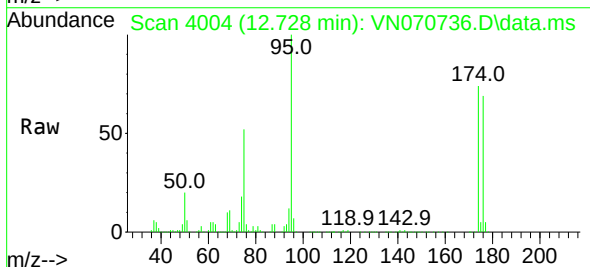
Instrument :
MSVOA_N
ClientSampleId :

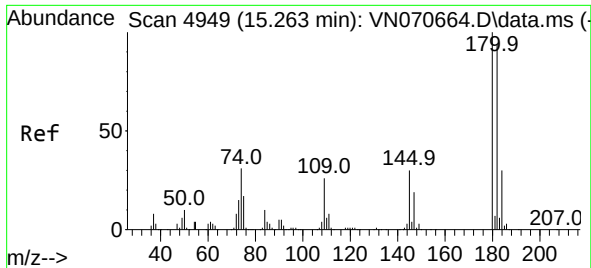
Tgt Ion: 75 Resp: 364772
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.827 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

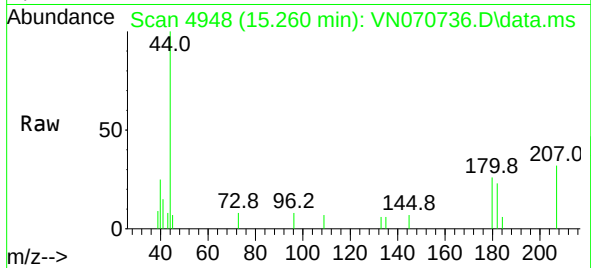
Tgt Ion: 75 Resp: 364772
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



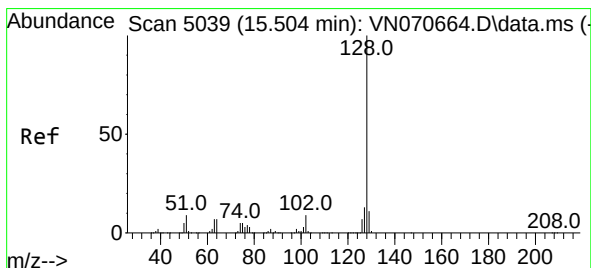
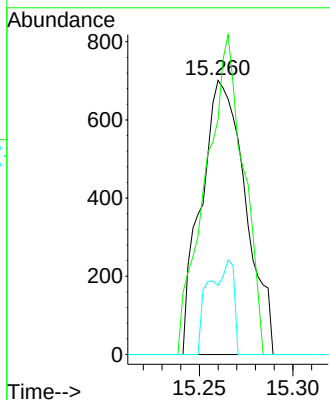
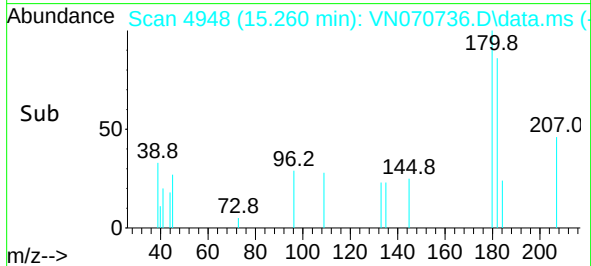


#93
1,2,4-Trichlorobenzene
Concen: 3.532 ug/l
RT: 15.260 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16

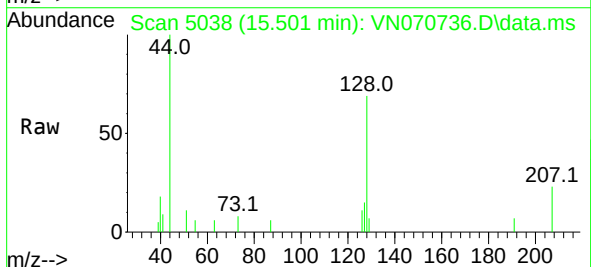
Instrument :
MSVOA_N
ClientSampleId :



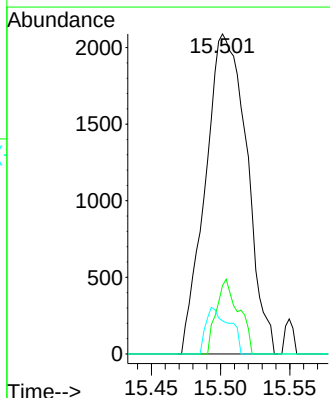
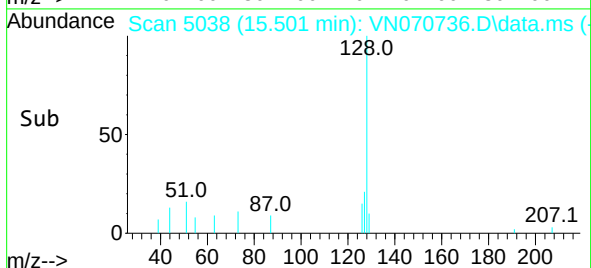
Tgt Ion:180 Resp: 1161
Ion Ratio Lower Upper
180 100
182 99.3 48.3 144.9
145 19.2 14.5 43.5

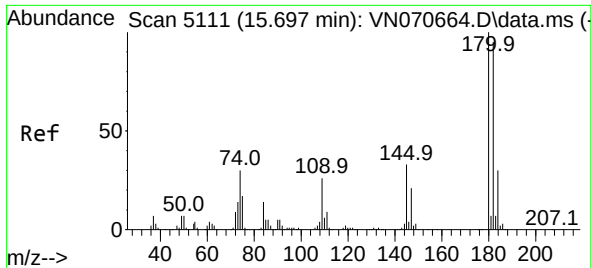


#95
Naphthalene
Concen: 5.086 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.003 min
Lab File: VN070736.D
Acq: 21 Jan 2022 17:16



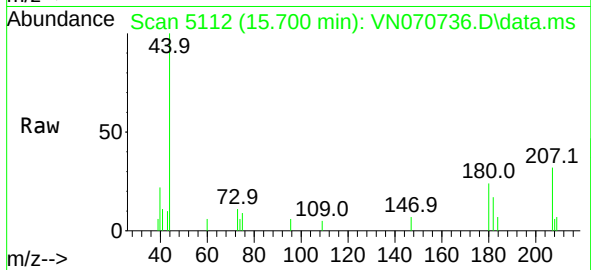
Tgt Ion:128 Resp: 4337
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 8.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.318 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN070736.D
 Acq: 21 Jan 2022 17:16

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1060
 Ion Ratio Lower Upper
 180 100
 182 86.8 47.4 142.2
 145 13.4 15.0 45.1#

