

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012122\
 Data File : VN070735.D
 Acq On : 21 Jan 2022 16:51
 Operator : JC/MD
 Sample : PB142170ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

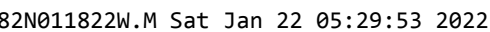
Quant Time: Jan 22 05:29:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

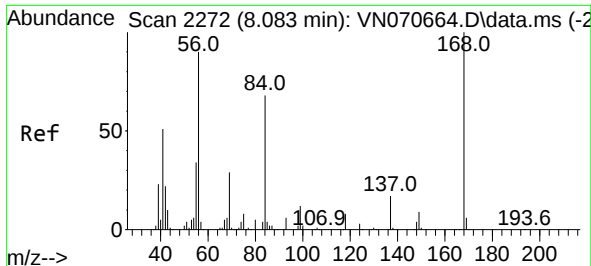
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	1053062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1727690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1562319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	584867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	720162	47.718	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.440%		
35) Dibromofluoromethane	8.021	113	503660	46.997	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.000%		
50) Toluene-d8	10.440	98	2162348	47.895	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.800%		
62) 4-Bromofluorobenzene	12.728	95	730432	45.402	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.800%		
Target Compounds						
					Qvalue	
16) Acetone	4.288	43	96273	9.191	ug/l	98
18) Methyl Acetate	4.862	43	12425	0.603	ug/l #	68
20) Methylene Chloride	5.101	84	23512	1.704	ug/l	87
25) 2-Butanone	7.345	43	14252	1.081	ug/l #	88
29) Tetrahydrofuran	7.686	42	2278	0.282	ug/l #	32
30) Chloroform	8.094	83	79	Below Cal	#	18
31) Cyclohexane	8.088	56	23699	0.892	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	86842	4.813	ug/l #	49
37) Ethyl Acetate	7.345	43	14252	0.595	ug/l #	68
38) Carbon Tetrachloride	8.086	117	107402	6.692	ug/l #	17
43) Isopropyl Acetate	8.560	43	128615	3.516	ug/l #	86
48) Methyl methacrylate	9.545	41	30806	1.768	ug/l #	8
49) 1,4-Dioxane	9.622	88	709	2.708	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	19145	0.820	ug/l	88
53) t-1,3-Dichloropropene	10.722	75	139	2.410	ug/l #	58
54) cis-1,3-Dichloropropene	10.242	75	169676	7.826	ug/l #	62
56) Ethyl methacrylate	10.701	69	605	2.325	ug/l #	24
57) 1,3-Dichloropropane	11.087	76	94463	4.062	ug/l #	43
59) 2-Hexanone	11.089	43	1609712	94.919	ug/l #	49
71) Bromoform	12.725	173	1911	0.217	ug/l #	1
74) N-amyl acetate	12.194	43	64901	2.869	ug/l #	53
76) 1,2,3-Trichloropropane	12.728	75	384698	24.800	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	384698	73.882	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	1334	3.540	ug/l #	88
95) Naphthalene	15.507	128	5737	5.119	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.700	180	1482	3.350	ug/l	96

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

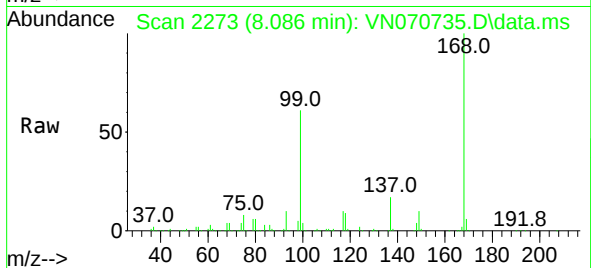
Quant Time: Jan 22 05:29:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration



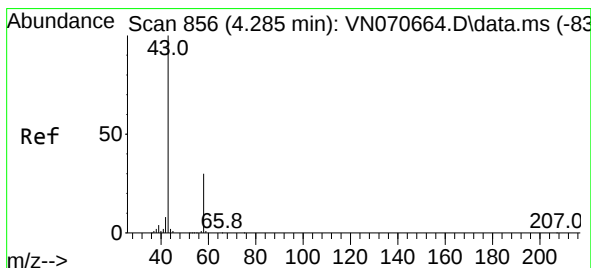
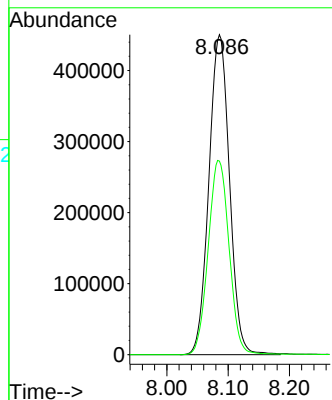
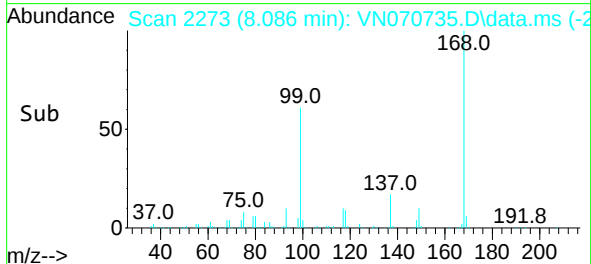


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

Instrument :
MSVOA_N
ClientSampleId :

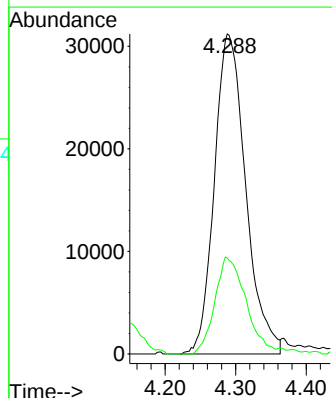
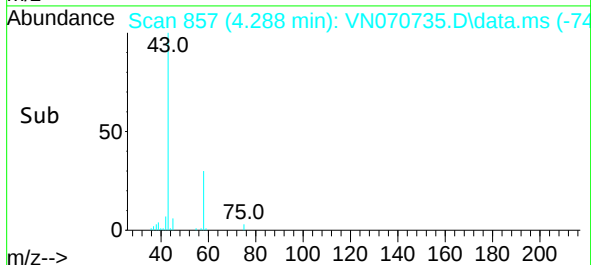
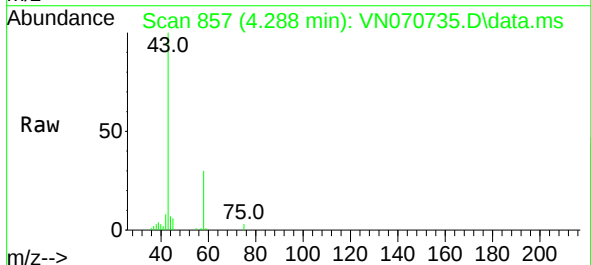


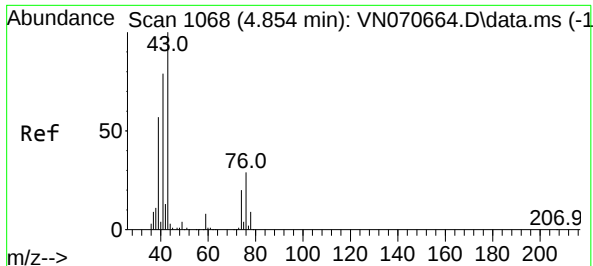
Tgt Ion:168 Resp: 1053062
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9



#16
Acetone
Concen: 9.191 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.003 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

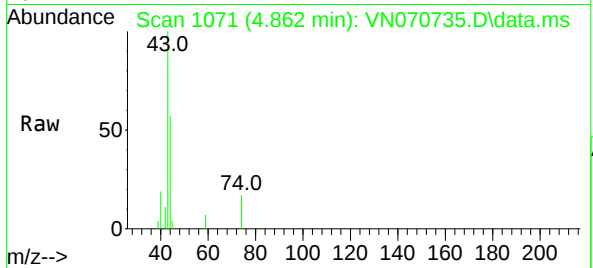
Tgt Ion: 43 Resp: 96273
Ion Ratio Lower Upper
43 100
58 30.0 23.1 34.7



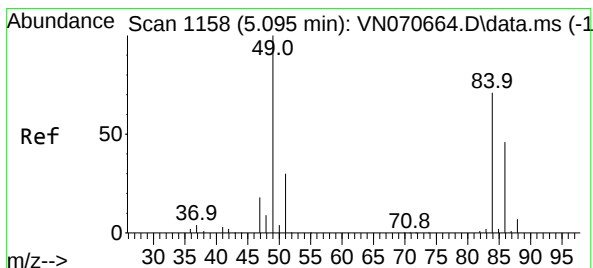
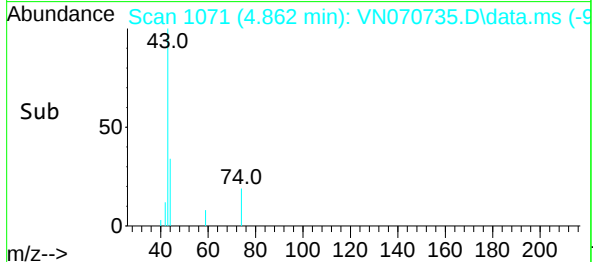
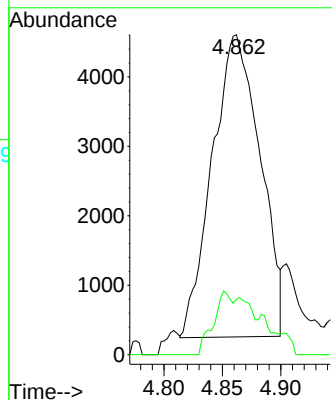


#18
Methyl Acetate
Concen: 0.603 ug/l
RT: 4.862 min Scan# 1160
Delta R.T. 0.008 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

Instrument :
MSVOA_N
ClientSampleId :

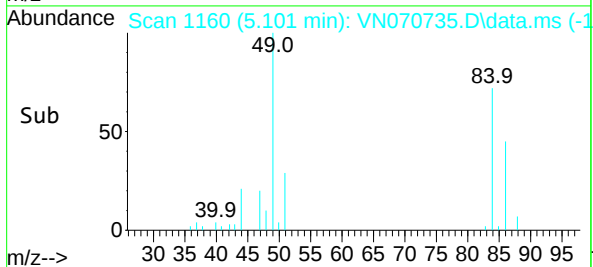
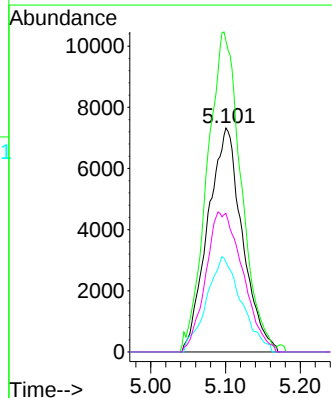
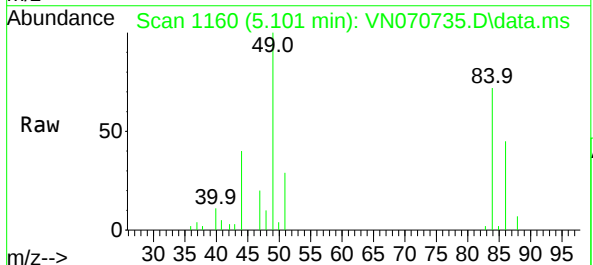


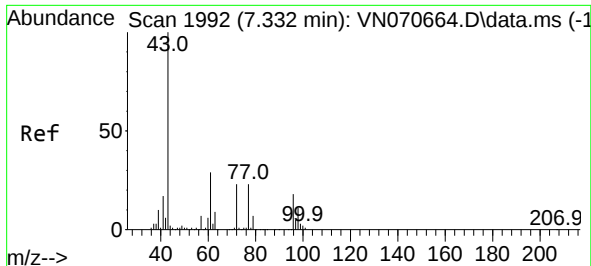
Tgt Ion: 43 Resp: 12425
Ion Ratio Lower Upper
43 100
74 8.3 19.4 29.2#



#20
Methylene Chloride
Concen: 1.704 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

Tgt Ion: 84 Resp: 23512
Ion Ratio Lower Upper
84 100
49 138.9 93.5 140.3
51 40.1 29.4 44.2
86 61.9 53.0 79.4





#25

2-Butanone

Concen: 1.081 ug/l

RT: 7.345 min Scan# 1992

Delta R.T. 0.013 min

Lab File: VN070735.D

Acq: 21 Jan 2022 16:51

Instrument :

MSVOA_N

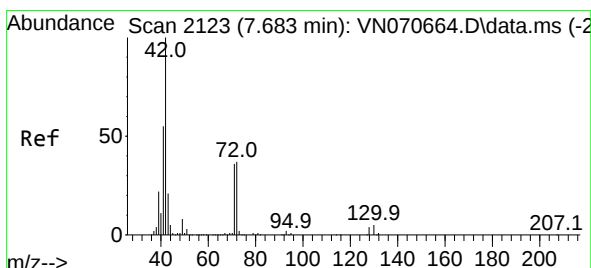
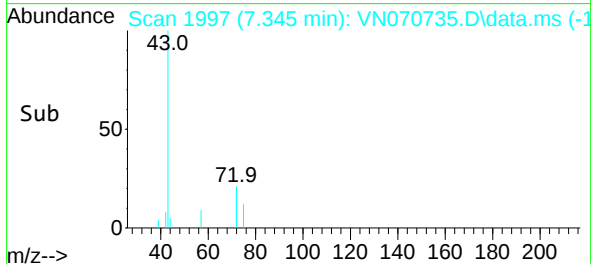
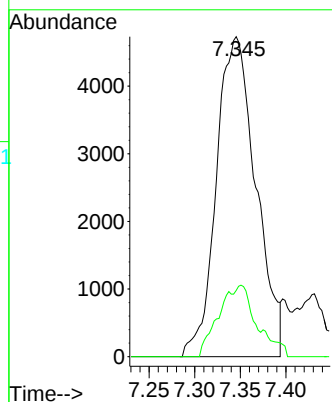
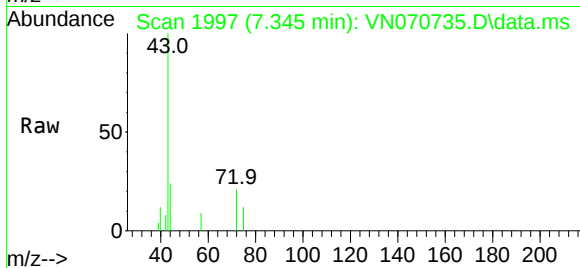
ClientSampleId :

Tgt Ion: 43 Resp: 14252

Ion Ratio Lower Upper

43 100

72 20.7 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.282 ug/l

RT: 7.686 min Scan# 2124

Delta R.T. 0.003 min

Lab File: VN070735.D

Acq: 21 Jan 2022 16:51

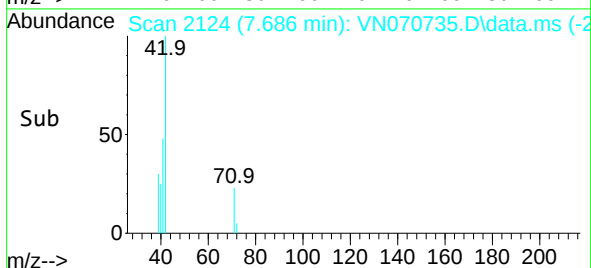
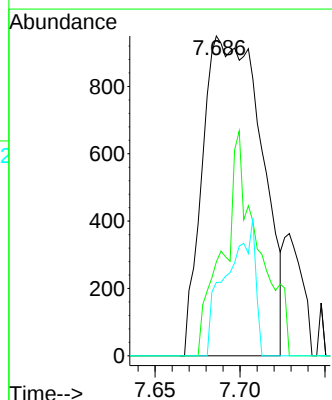
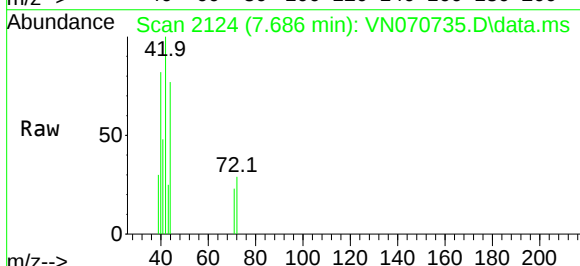
Tgt Ion: 42 Resp: 2278

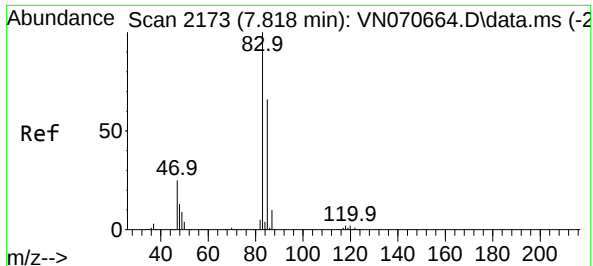
Ion Ratio Lower Upper

42 100

72 0.0 36.3 54.5#

71 0.0 34.7 52.1#





#30

Chloroform

Concen: Below Cal

RT: 8.094 min Scan# 21

Delta R.T. 0.276 min

Lab File: VN070735.D

Acq: 21 Jan 2022 16:51

Instrument :

MSVOA_N

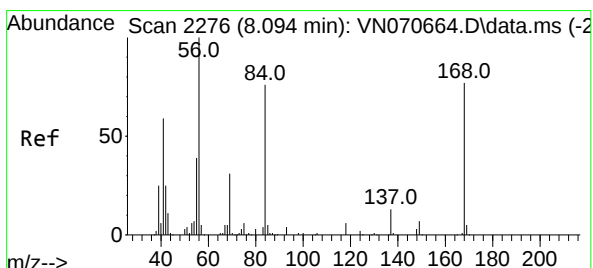
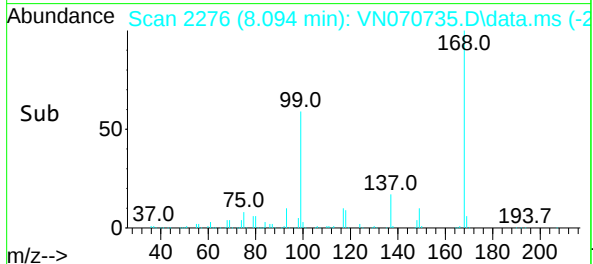
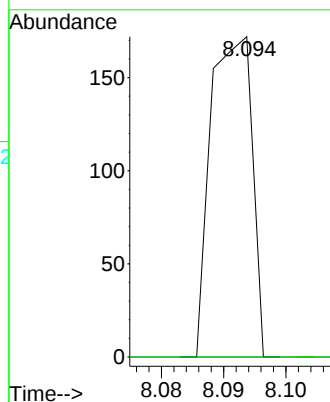
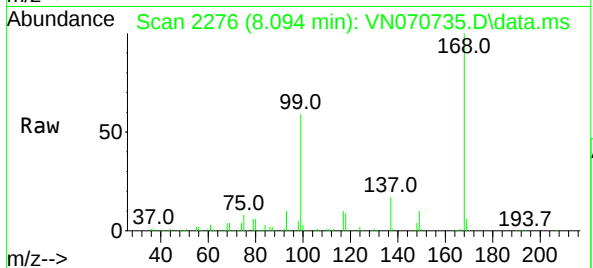
ClientSampleId :

Tgt Ion: 83 Resp: 79

Ion Ratio Lower Upper

83 100

85 0.0 51.9 77.9#



#31

Cyclohexane

Concen: 0.892 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN070735.D

Acq: 21 Jan 2022 16:51

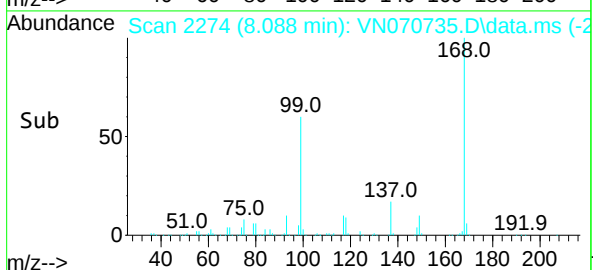
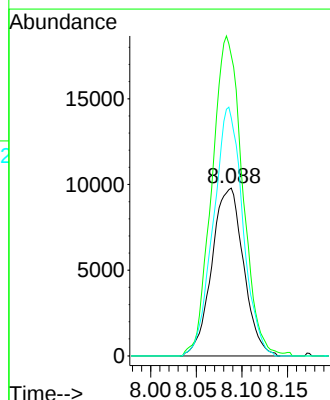
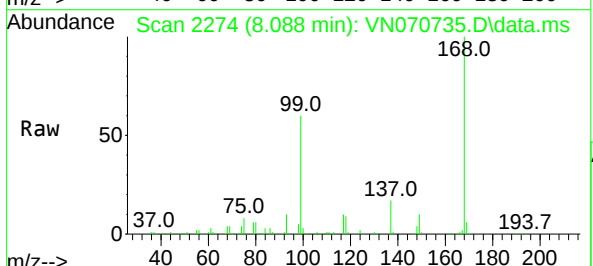
Tgt Ion: 56 Resp: 23699

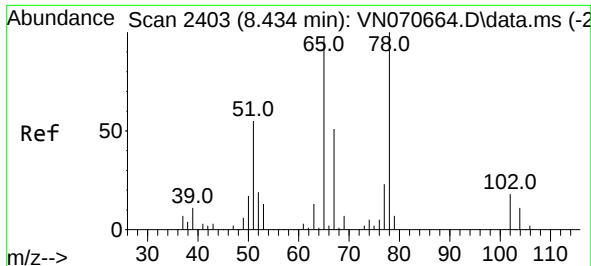
Ion Ratio Lower Upper

56 100

69 179.0 27.1 40.7#

84 141.9 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.718 ug/l

RT: 8.437 min Scan# 2403

Delta R.T. 0.003 min

Lab File: VN070735.D

Acq: 21 Jan 2022 16:51

Instrument :

MSVOA_N

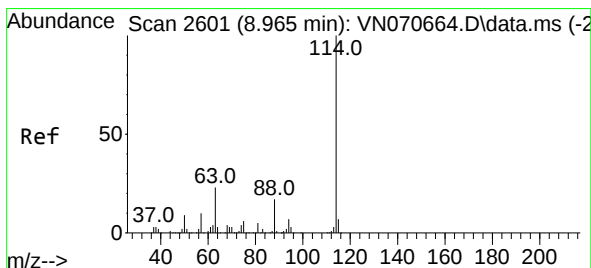
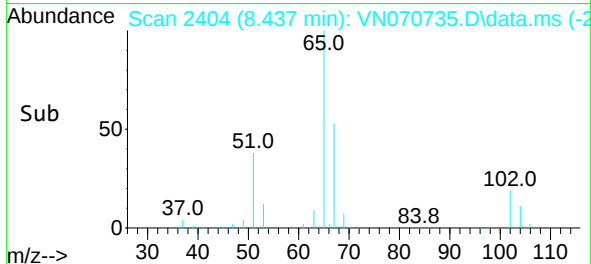
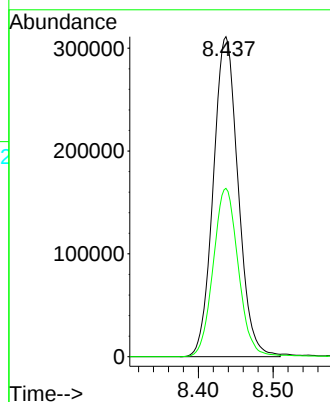
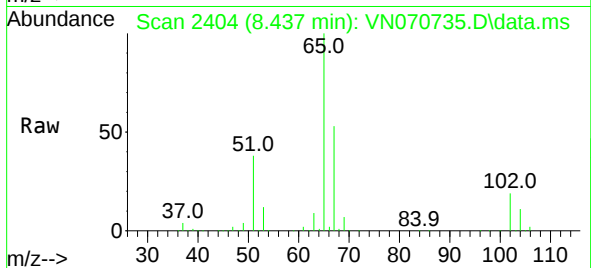
ClientSampleId :

Tgt Ion: 65 Resp: 720162

Ion Ratio Lower Upper

65 100

67 52.9 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: VN070735.D

Acq: 21 Jan 2022 16:51

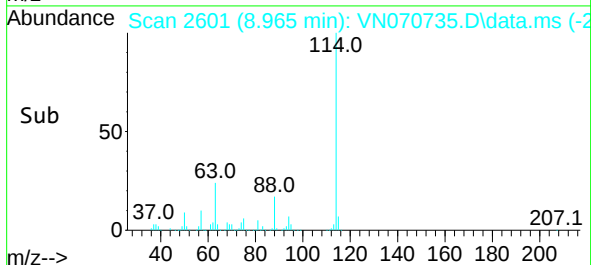
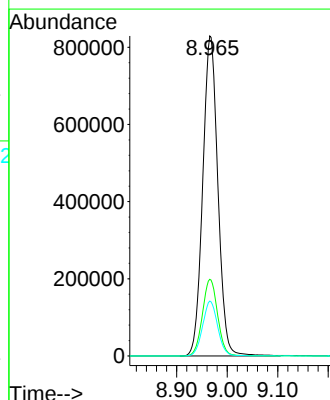
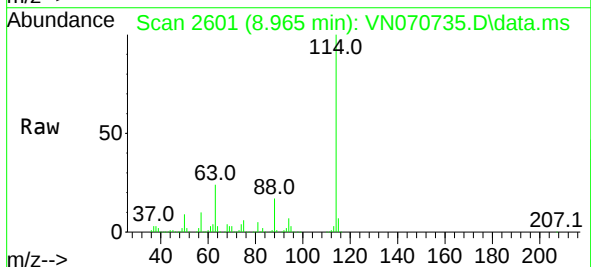
Tgt Ion: 114 Resp: 1727690

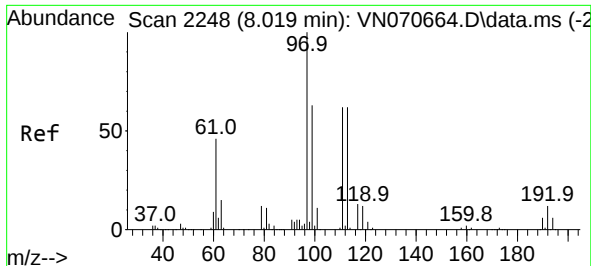
Ion Ratio Lower Upper

114 100

63 24.0 0.0 37.8

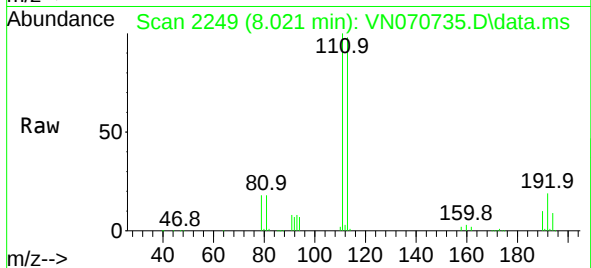
88 17.2 0.0 27.4



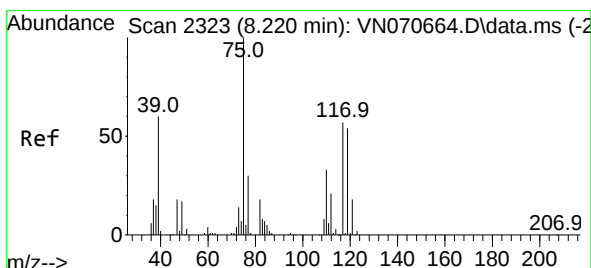
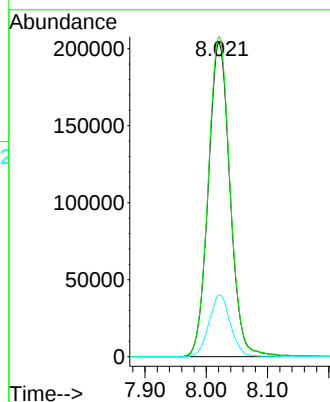
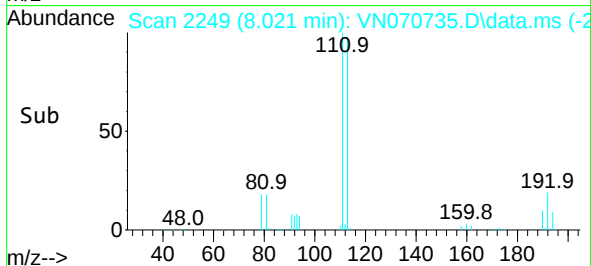


#35
Dibromofluoromethane
Concen: 46.997 ug/l
RT: 8.021 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

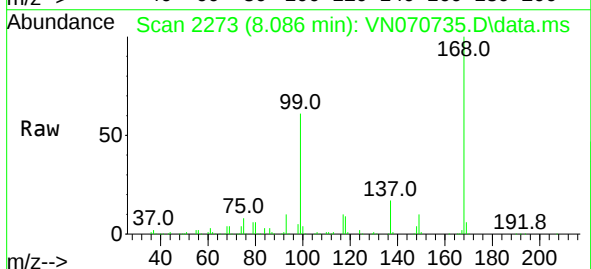
Instrument :
MSVOA_N
ClientSampleId :



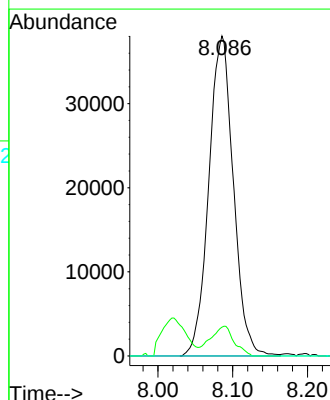
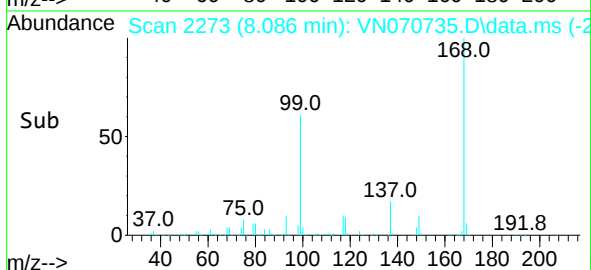
Tgt Ion:113 Resp: 503660
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 19.4 16.9 25.3

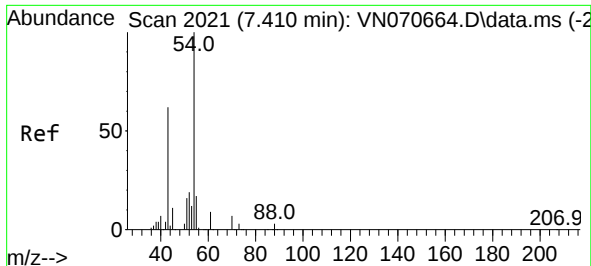


#36
1,1-Dichloropropene
Concen: 4.813 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51



Tgt Ion: 75 Resp: 86842
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.595 ug/l

RT: 7.345 min Scan# 19

Delta R.T. -0.065 min

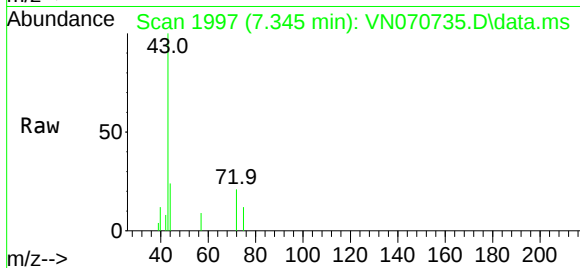
Lab File: VN070735.D

Acq: 21 Jan 2022 16:51

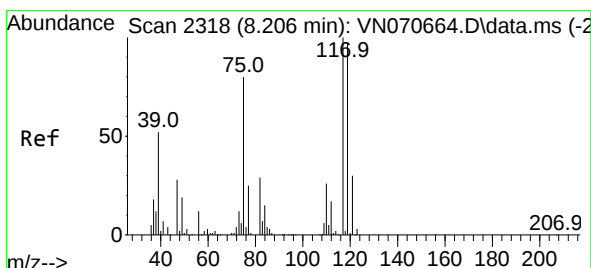
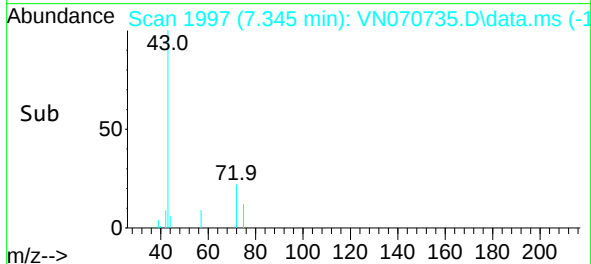
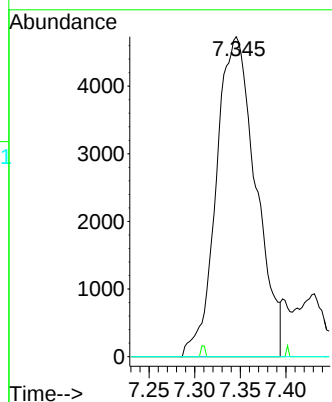
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	14252
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 6.692 ug/l

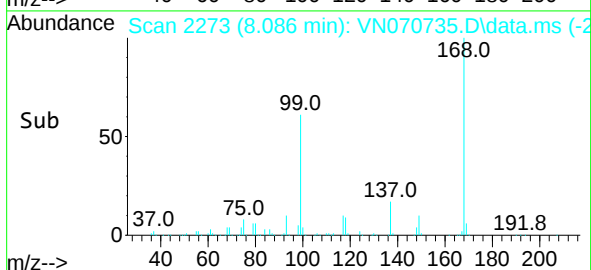
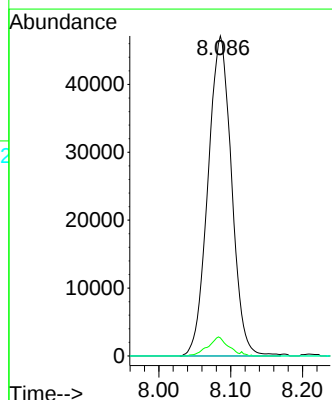
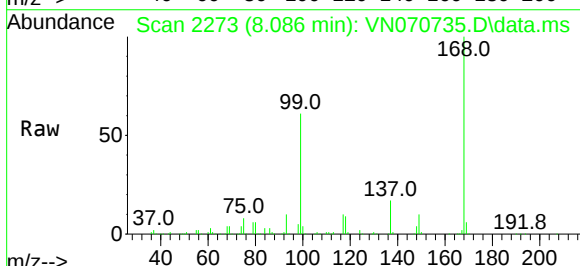
RT: 8.086 min Scan# 2273

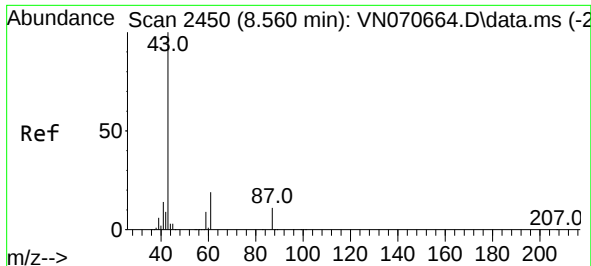
Delta R.T. -0.120 min

Lab File: VN070735.D

Acq: 21 Jan 2022 16:51

Tgt Ion:	117	Resp:	107402
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.1	114.1#
121	0.0	24.2	36.2#

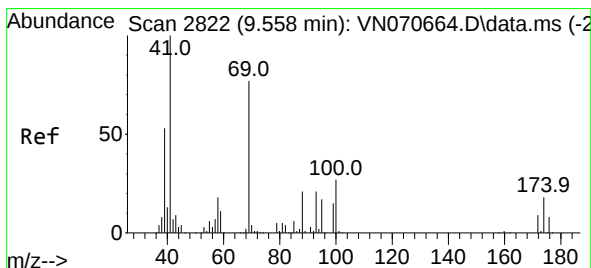
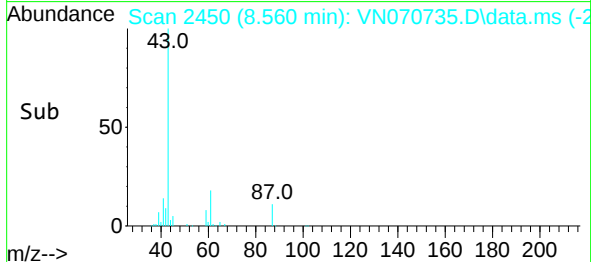
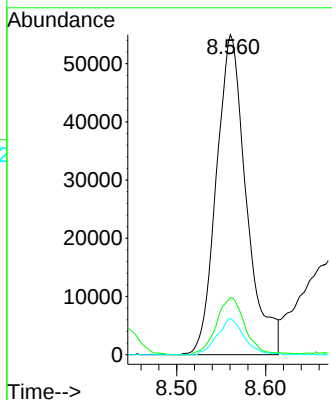
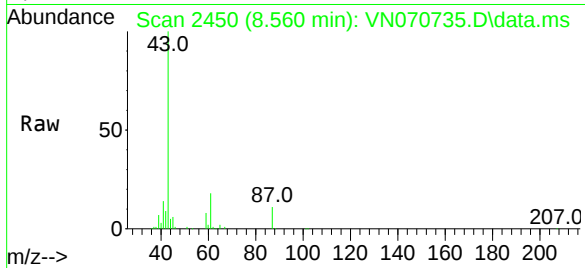




#43
Isopropyl Acetate
Concen: 3.516 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

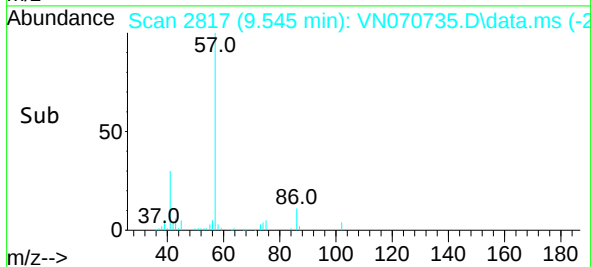
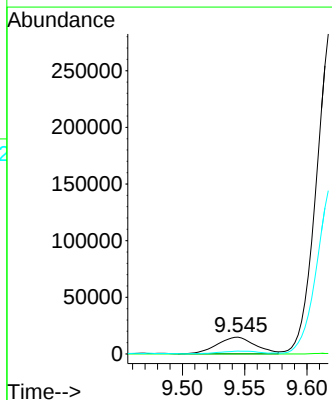
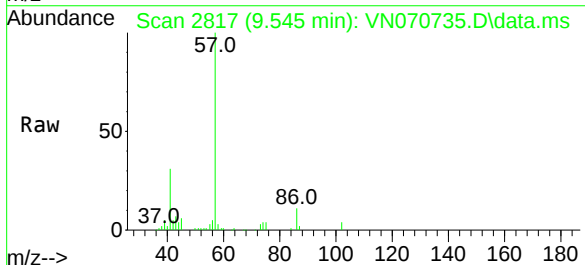
Instrument : MSVOA_N
ClientSampleId :

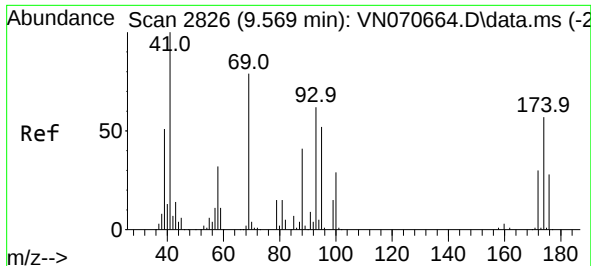
Tgt Ion: 43 Resp: 128615
Ion Ratio Lower Upper
43 100
61 17.1 20.4 30.6#
87 10.0 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.768 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.013 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

Tgt Ion: 41 Resp: 30806
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 2.708 ug/l

RT: 9.622 min Scan# 21

Delta R.T. 0.053 min

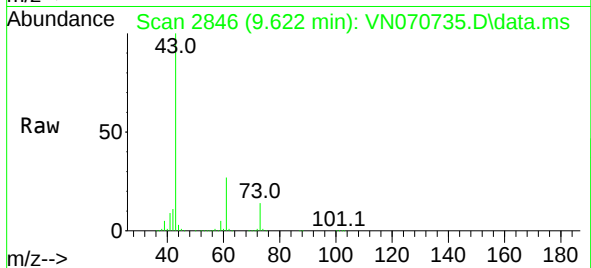
Lab File: VN070735.D

Acq: 21 Jan 2022 16:51

Instrument :

MSVOA_N

ClientSampleId :



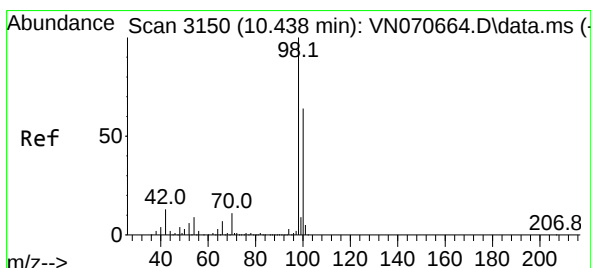
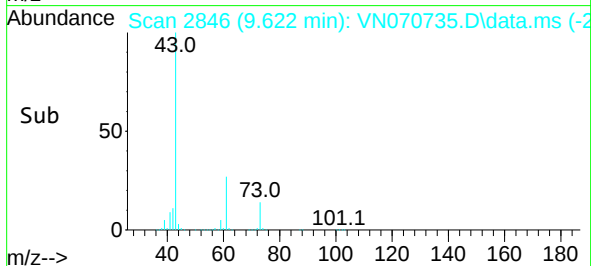
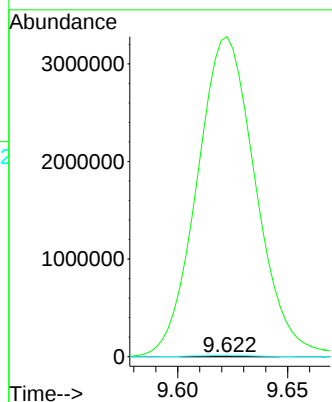
Tgt Ion: 88 Resp: 709

Ion Ratio Lower Upper

88 100

43 876159.5 23.4 35.2#

58 3228.8 50.6 75.8#



#50

Toluene-d8

Concen: 47.895 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070735.D

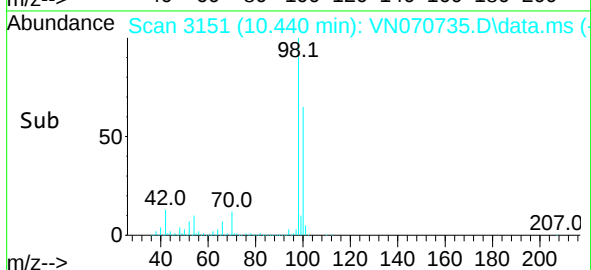
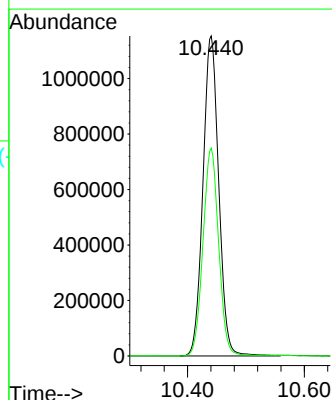
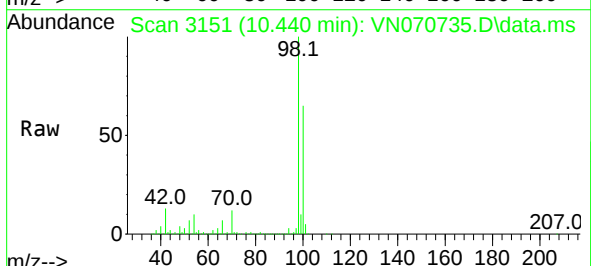
Acq: 21 Jan 2022 16:51

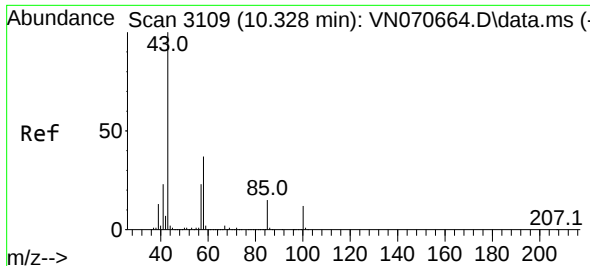
Tgt Ion: 98 Resp: 2162348

Ion Ratio Lower Upper

98 100

100 64.5 50.4 75.6

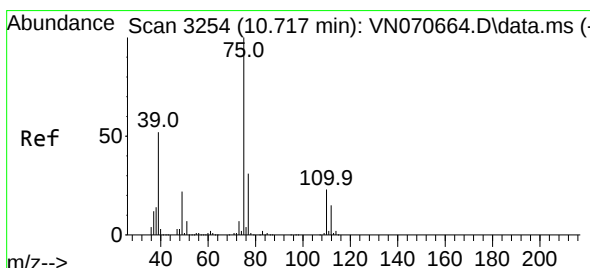
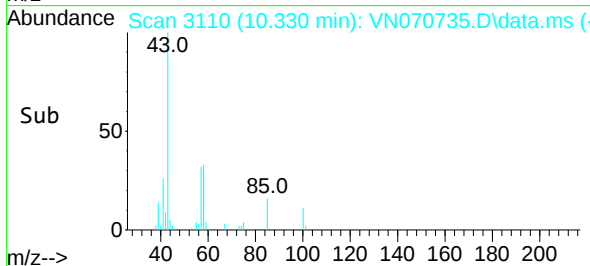
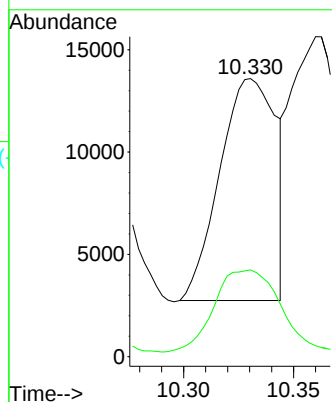
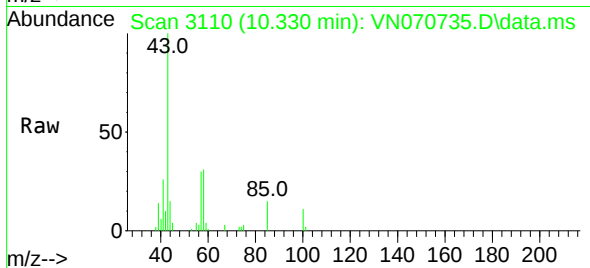




#51
4-Methyl-2-Pentanone
Concen: 0.820 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

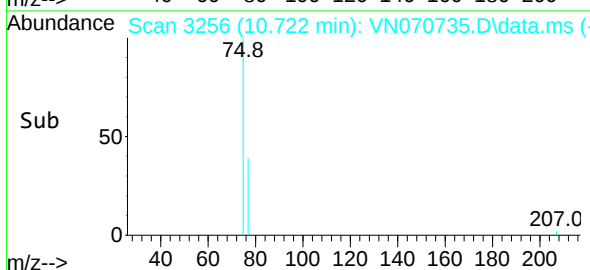
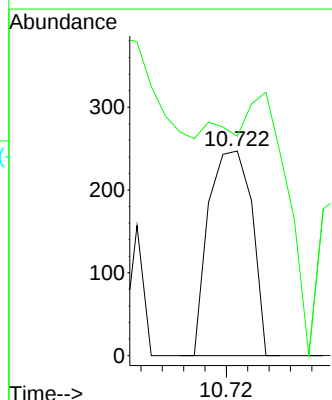
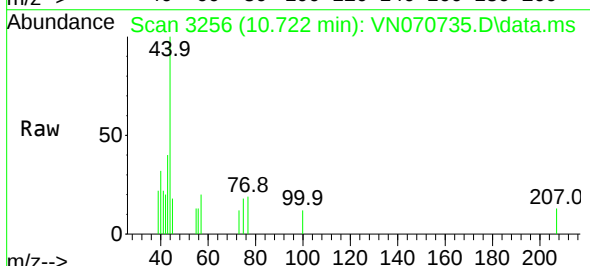
Instrument :
MSVOA_N
ClientSampleId :

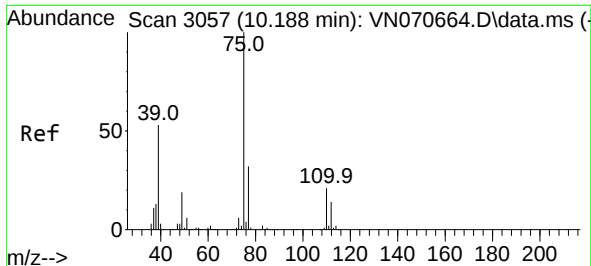
Tgt Ion: 43 Resp: 19145
Ion Ratio Lower Upper
43 100
58 45.3 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.410 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. 0.005 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

Tgt Ion: 75 Resp: 139
Ion Ratio Lower Upper
75 100
77 8.5 25.6 38.4#

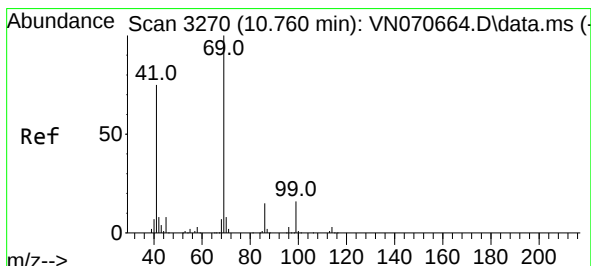
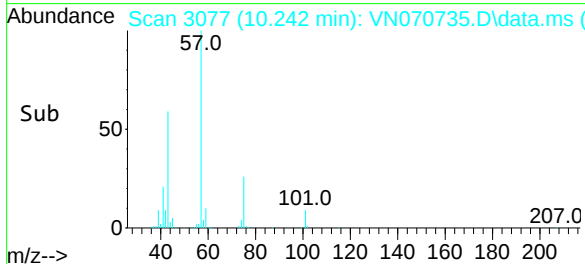
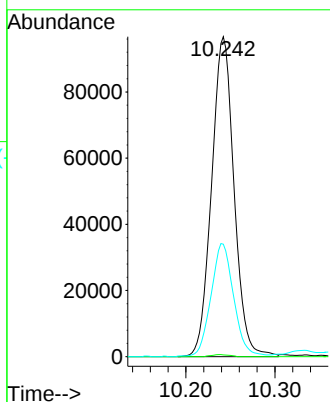
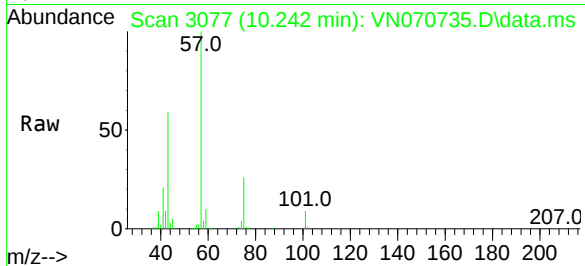




#54
 cis-1,3-Dichloropropene
 Concen: 7.826 ug/l
 RT: 10.242 min Scan# 3057
 Delta R.T. 0.054 min
 Lab File: VN070735.D
 Acq: 21 Jan 2022 16:51

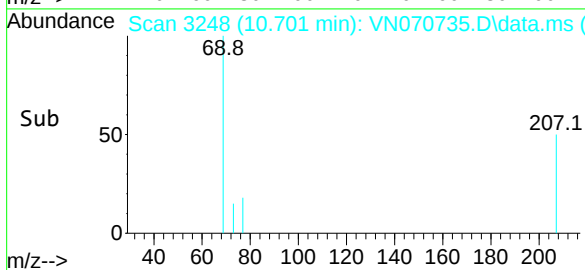
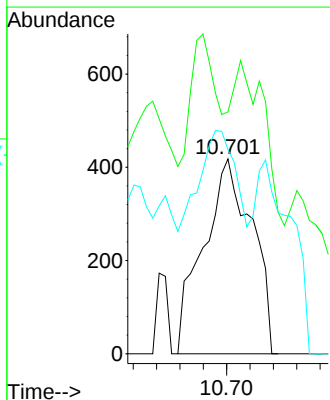
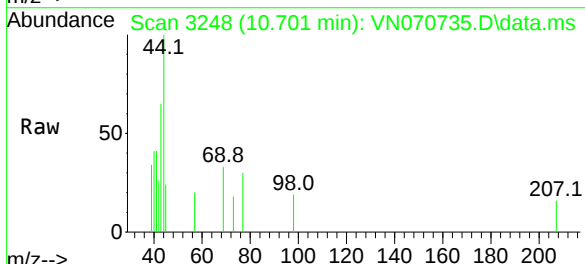
Instrument :
 MSVOA_N
 ClientSampleId :

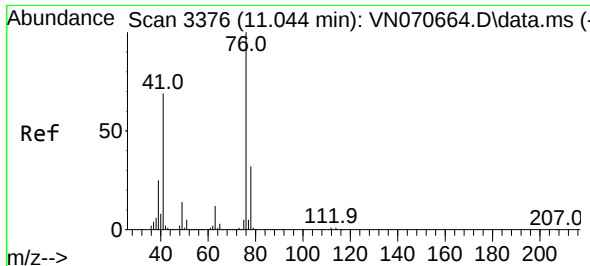
Tgt Ion: 75 Resp: 169676
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.4 39.6#
 39 35.0 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.325 ug/l
 RT: 10.701 min Scan# 3248
 Delta R.T. -0.059 min
 Lab File: VN070735.D
 Acq: 21 Jan 2022 16:51

Tgt Ion: 69 Resp: 605
 Ion Ratio Lower Upper
 69 100
 41 0.0 51.4 77.0#
 39 0.0 34.6 52.0#

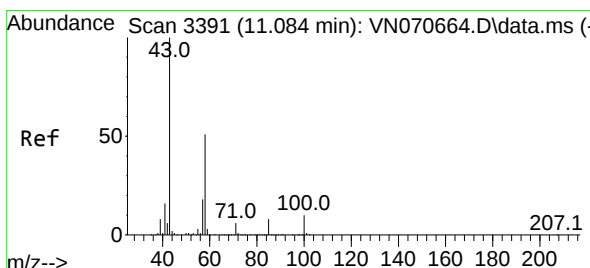
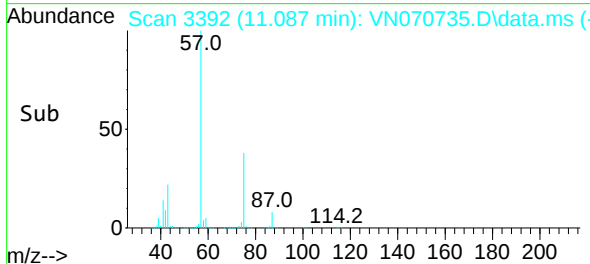
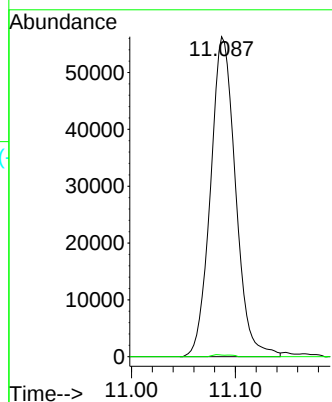
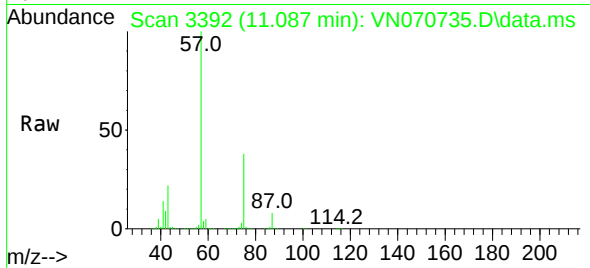




#57
1,3-Dichloropropane
Concen: 4.062 ug/l
RT: 11.087 min Scan# 31
Delta R.T. 0.043 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

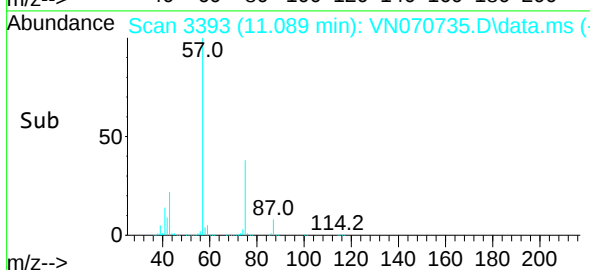
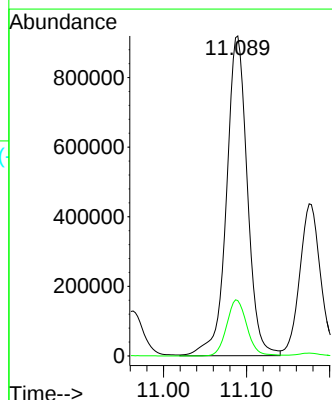
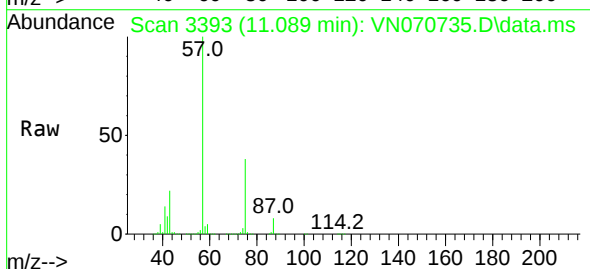
Instrument :
MSVOA_N
ClientSampleId :

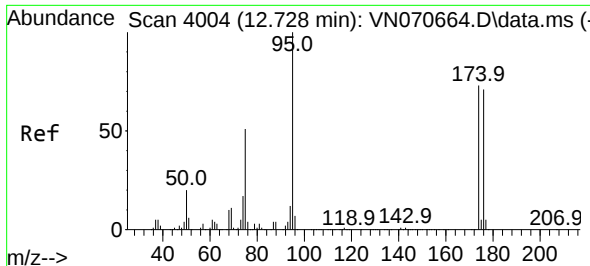
Tgt Ion: 76 Resp: 94463
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#



#59
2-Hexanone
Concen: 94.919 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

Tgt Ion: 43 Resp: 1609712
Ion Ratio Lower Upper
43 100
58 17.1 26.9 80.7#

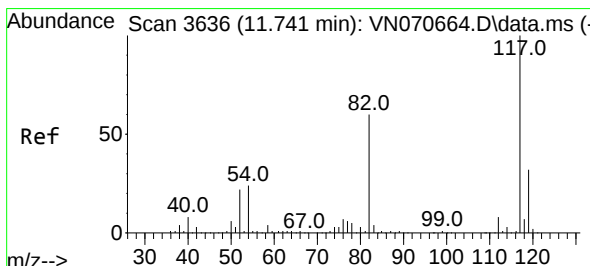
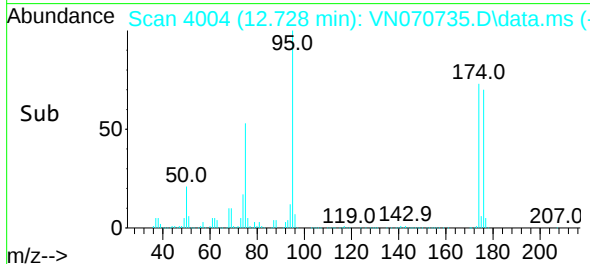
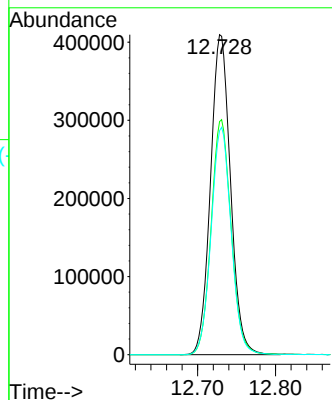
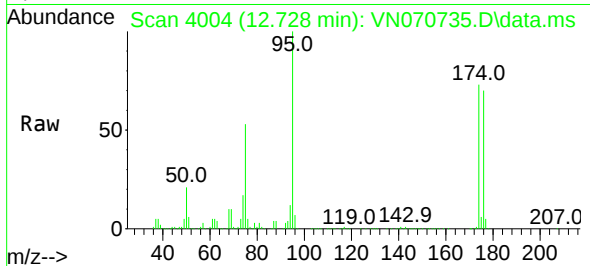




#62
4-Bromofluorobenzene
Concen: 45.402 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

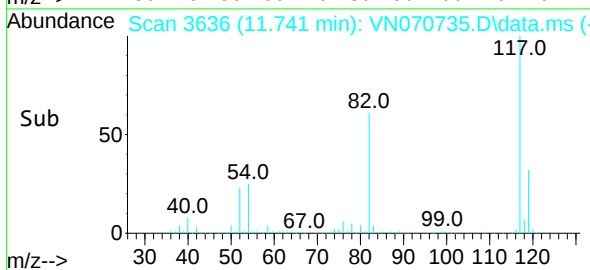
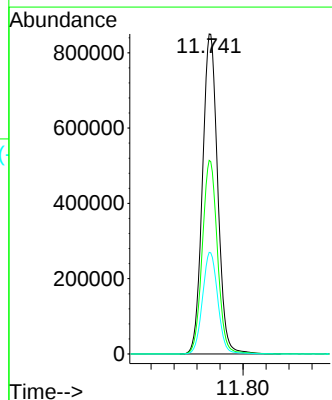
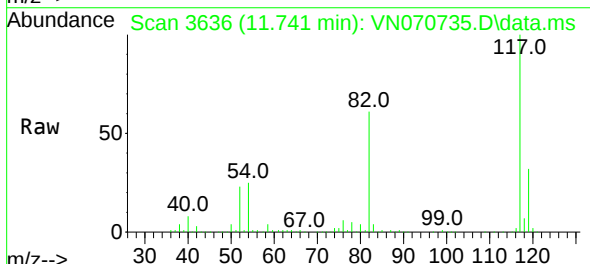
Instrument :
MSVOA_N
ClientSampleId :

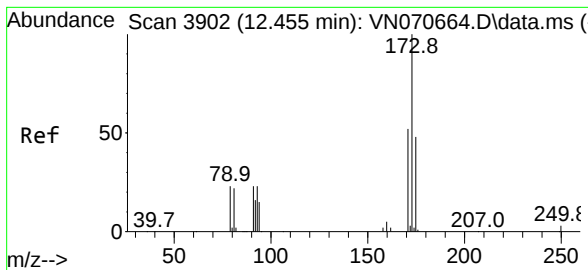
Tgt Ion: 95 Resp: 730432
Ion Ratio Lower Upper
95 100
174 73.6 0.0 187.2
176 71.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3636
Delta R.T. 0.000 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

Tgt Ion: 117 Resp: 1562319
Ion Ratio Lower Upper
117 100
82 60.5 42.4 63.6
119 31.7 25.4 38.2





#71

Bromoform

Concen: 0.217 ug/l

RT: 12.725 min Scan# 4003

Delta R.T. 0.270 min

Lab File: VN070735.D

Acq: 21 Jan 2022 16:51

Instrument :

MSVOA_N

ClientSampleId :

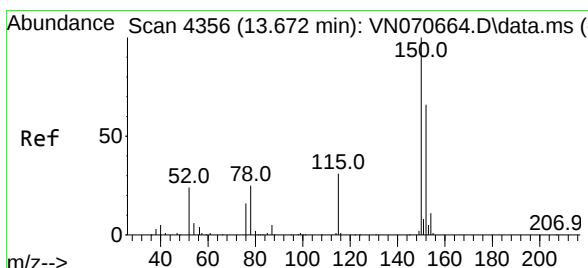
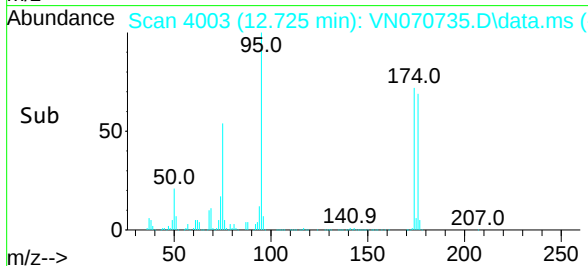
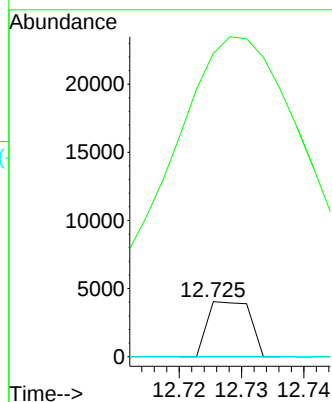
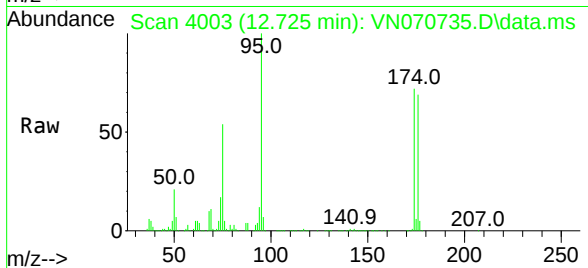
Tgt Ion:173 Resp: 1911

Ion Ratio Lower Upper

173 100

175 1952.9 24.2 72.6#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.672 min Scan# 4356

Delta R.T. 0.000 min

Lab File: VN070735.D

Acq: 21 Jan 2022 16:51

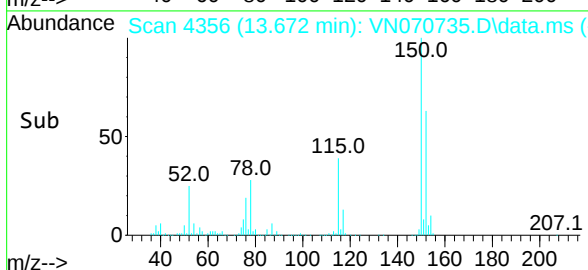
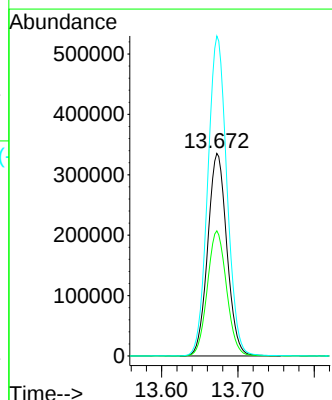
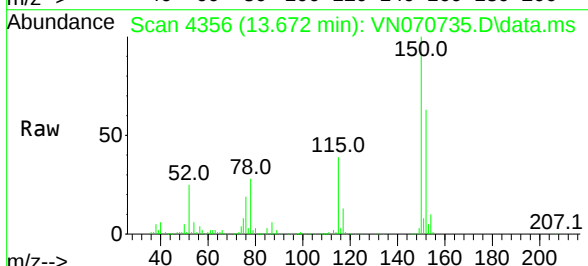
Tgt Ion:152 Resp: 584867

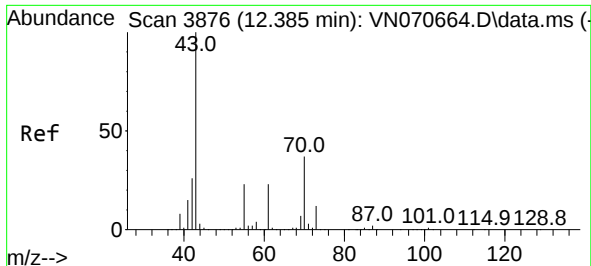
Ion Ratio Lower Upper

152 100

115 62.0 27.5 82.5

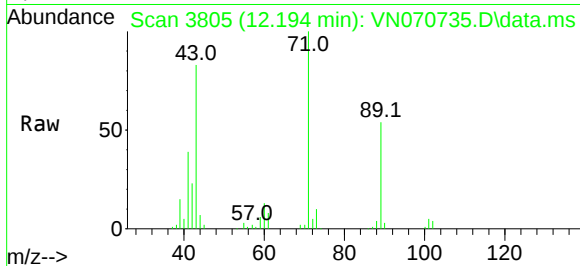
150 158.5 0.0 344.4



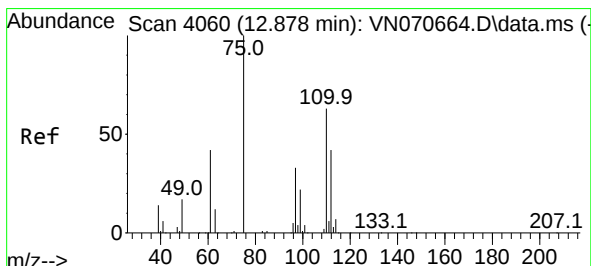
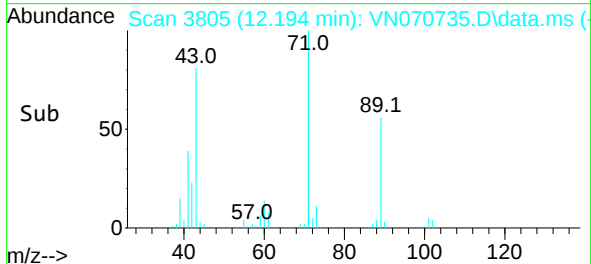
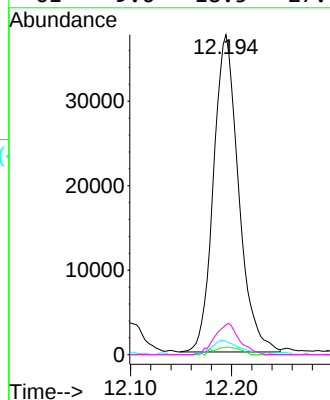


#74
N-amy1 acetate
Concen: 2.869 ug/l
RT: 12.194 min Scan# 3876
Delta R.T. -0.191 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

Instrument :
MSVOA_N
ClientSampleId :

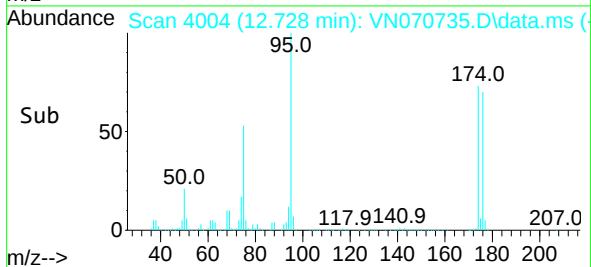
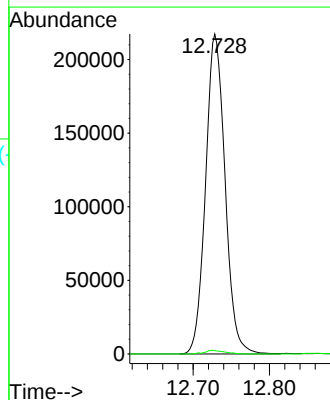
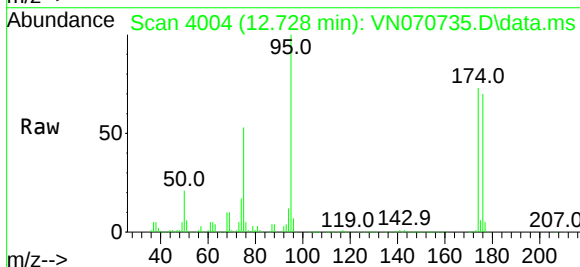


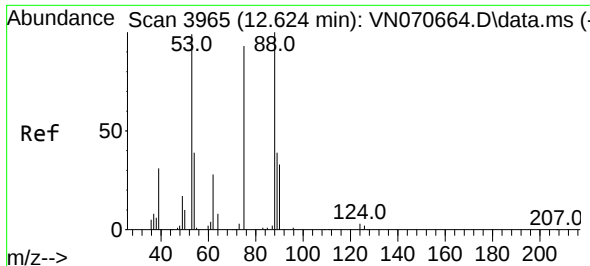
Tgt Ion: 43	Resp: 64901
Ion Ratio	Lower Upper
43	100
70	2.0 33.4 50.0#
55	5.1 19.3 28.9#
61	9.6 18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 24.800 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

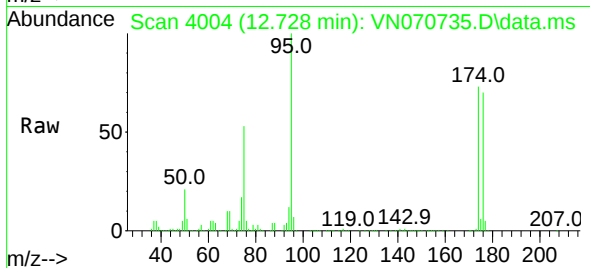
Tgt Ion: 75	Resp: 384698
Ion Ratio	Lower Upper
75	100
77	1.1 82.6 247.8#



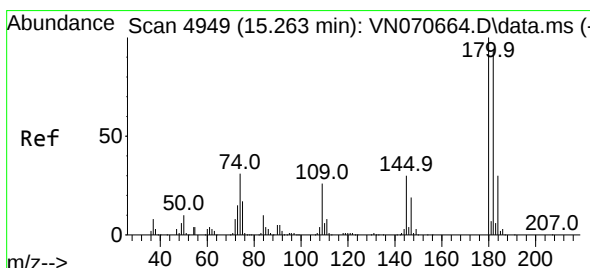
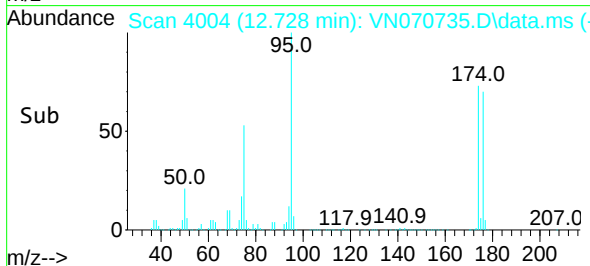
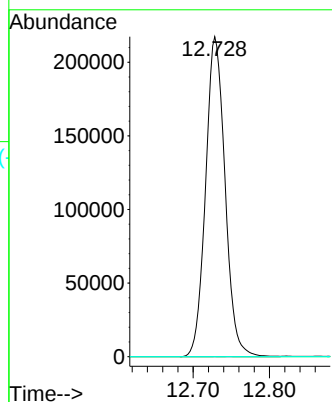


#81
trans-1,4-Dichloro-2-butene
Concen: 73.882 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

Instrument :
MSVOA_N
ClientSampleId :

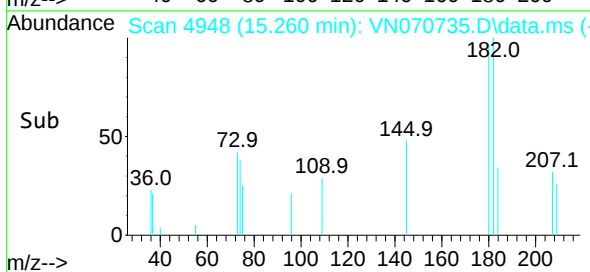
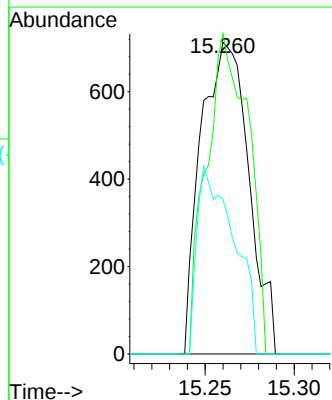
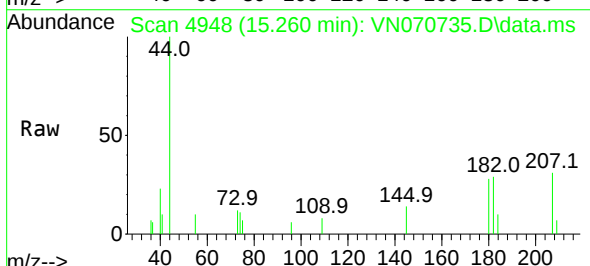


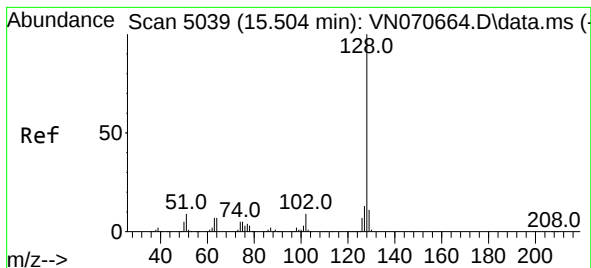
Tgt Ion: 75 Resp: 384698
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.540 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.003 min
Lab File: VN070735.D
Acq: 21 Jan 2022 16:51

Tgt Ion:180 Resp: 1334
Ion Ratio Lower Upper
180 100
182 90.9 48.3 144.9
145 46.6 14.5 43.5#





#95

Naphthalene

Concen: 5.119 ug/l

RT: 15.507 min Scan# 5039

Delta R.T. 0.003 min

Lab File: VN070735.D

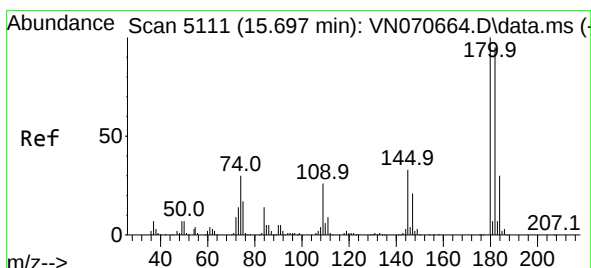
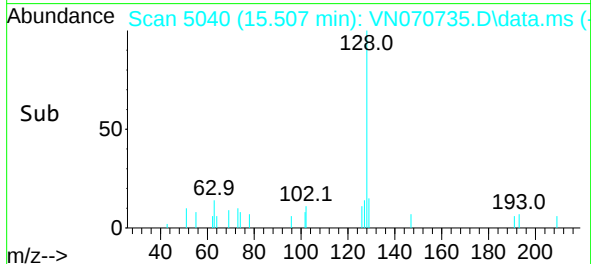
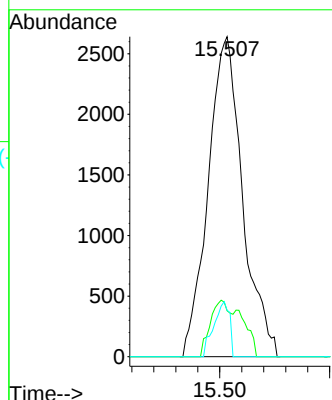
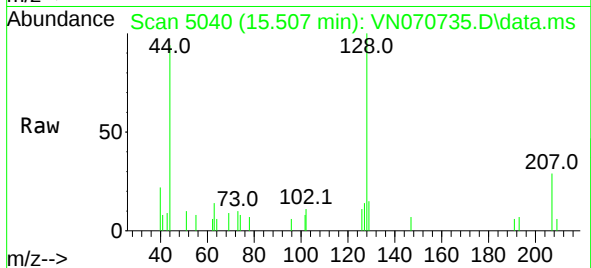
Acq: 21 Jan 2022 16:51

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	128	Resp:	5737
Ion Ratio	Lower	Upper	
128	100		
127	10.5	10.5	15.7
129	7.8	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 3.350 ug/l

RT: 15.700 min Scan# 5112

Delta R.T. 0.003 min

Lab File: VN070735.D

Acq: 21 Jan 2022 16:51

Tgt Ion:	180	Resp:	1482
Ion Ratio	Lower	Upper	
180	100		
182	93.0	47.4	142.2
145	24.3	15.0	45.1

