

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011922\
 Data File : VN070691.D
 Acq On : 19 Jan 2022 11:24
 Operator : JC/MD
 Sample : VN0119MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 20 03:34:30 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)

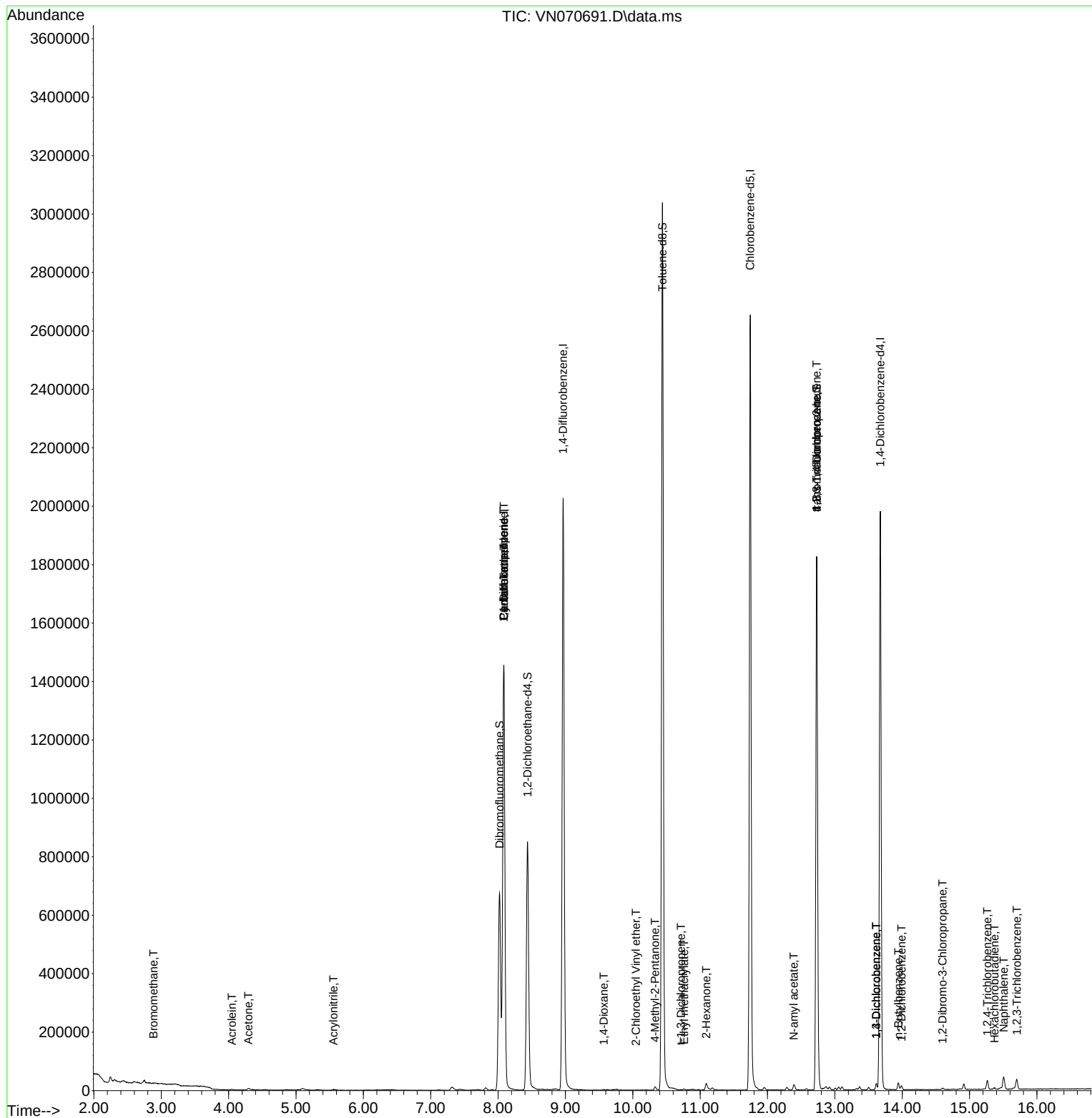
Internal Standards						
1) Pentafluorobenzene	8.086	168	1099027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1749633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1527742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	547463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	722909	45.897	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.800%
35) Dibromofluoromethane	8.021	113	508284	46.834	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.660%
50) Toluene-d8	10.440	98	2140933	46.826	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.660%
62) 4-Bromofluorobenzene	12.731	95	690574	42.386	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	84.780%
Target Compounds						
					Qvalue	
5) Bromomethane	2.885	94	3128	0.340	ug/l	91
13) Acrolein	4.047	56	2101	0.516	ug/l	83
15) Acrylonitrile	5.556	53	2718	0.301	ug/l #	83
16) Acetone	4.293	43	4997	0.457	ug/l	96
30) Chloroform	7.815	83	8440	Below Cal		99
31) Cyclohexane	8.086	56	24567	0.886	ug/l #	7
36) 1,1-Dichloropropene	8.083	75	90731	4.966	ug/l #	48
38) Carbon Tetrachloride	8.086	117	111793	6.878	ug/l #	16
49) 1,4-Dioxane	9.569	88	245	0.924	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	10799	0.457	ug/l	90
53) t-1,3-Dichloropropene	10.714	75	485	2.425	ug/l	90
56) Ethyl methacrylate	10.762	69	2049	2.379	ug/l #	82
58) 2-Chloroethyl Vinyl ether	10.049	63	57	21.245	ug/l #	45
59) 2-Hexanone	11.089	43	22119	1.288	ug/l	96
74) N-amyl acetate	12.390	43	13217	0.624	ug/l	95
76) 1,2,3-Trichloropropane	12.731	75	362253	24.948	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	362253	74.325	ug/l #	5
87) 1,3-Dichlorobenzene	13.616	146	5272	0.273	ug/l	92
88) 1,4-Dichlorobenzene	13.616	146	5272	0.274	ug/l	92
89) n-Butylbenzene	13.943	91	14043	0.437	ug/l	94
91) 1,2-Dichlorobenzene	13.989	146	6497	0.340	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.600	75	865	0.292	ug/l	72
93) 1,2,4-Trichlorobenzene	15.265	180	11084	4.446	ug/l	99
94) Hexachlorobutadiene	15.370	225	1696	0.300	ug/l	89
95) Naphthalene	15.507	128	42030	6.283	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	12980	4.472	ug/l	97

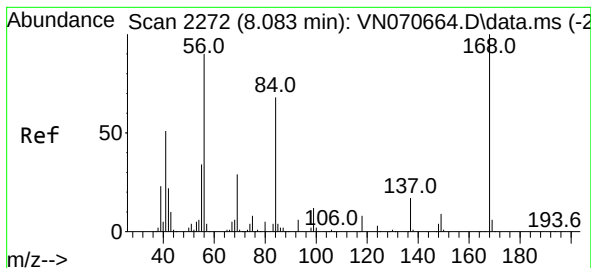
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN070691.D

Acq: 19 Jan 2022 11:24

Instrument :

MSVOA_N

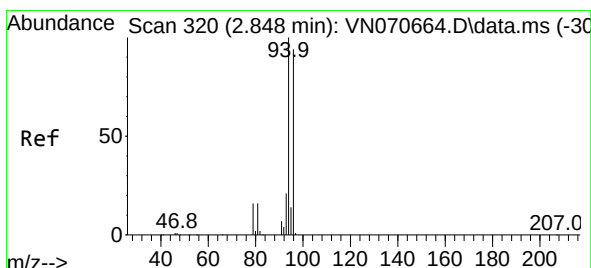
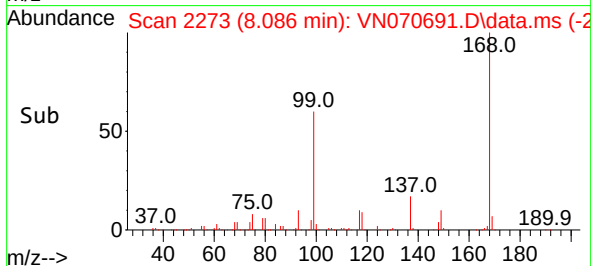
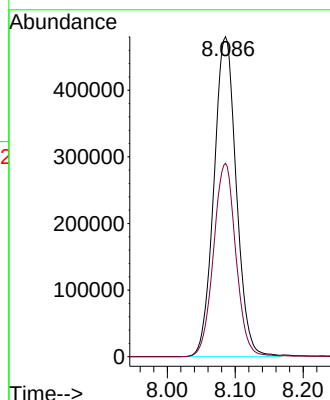
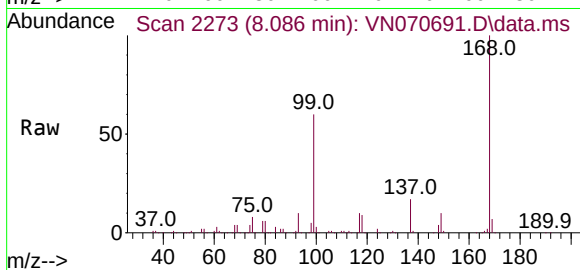
ClientSampleId :

Tgt Ion:168 Resp: 1099027

Ion Ratio Lower Upper

168 100

99 60.5 41.3 61.9



#5

Bromomethane

Concen: 0.340 ug/l

RT: 2.885 min Scan# 334

Delta R.T. 0.037 min

Lab File: VN070691.D

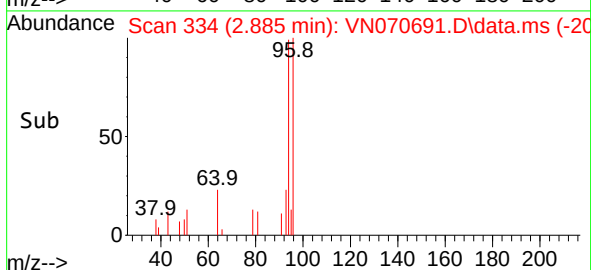
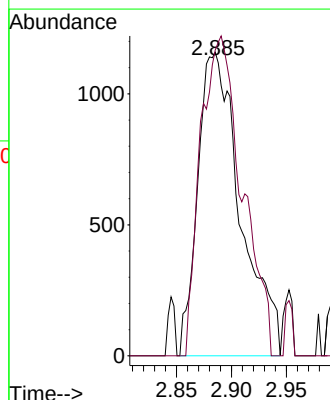
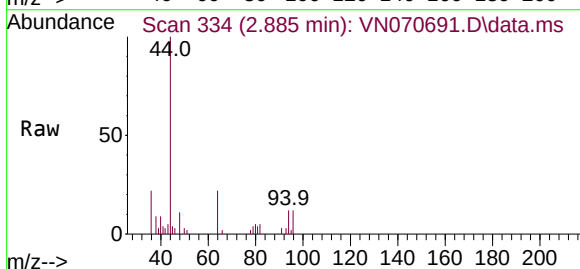
Acq: 19 Jan 2022 11:24

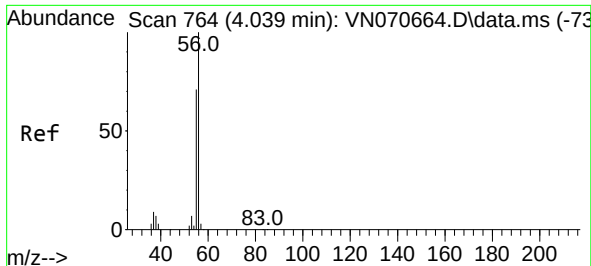
Tgt Ion: 94 Resp: 3128

Ion Ratio Lower Upper

94 100

96 100.7 73.8 110.8

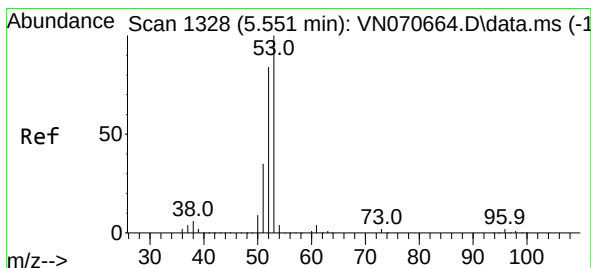
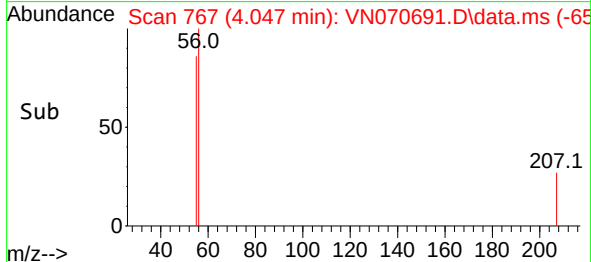
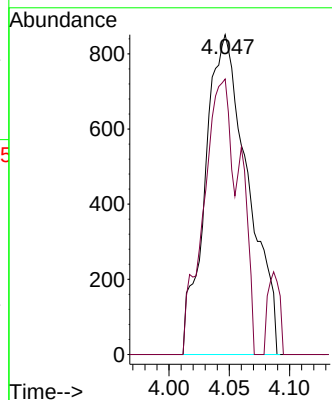
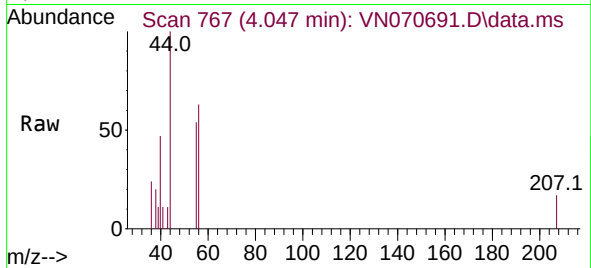




#13
Acrolein
Concen: 0.516 ug/l
RT: 4.047 min Scan# 701
Delta R.T. 0.008 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

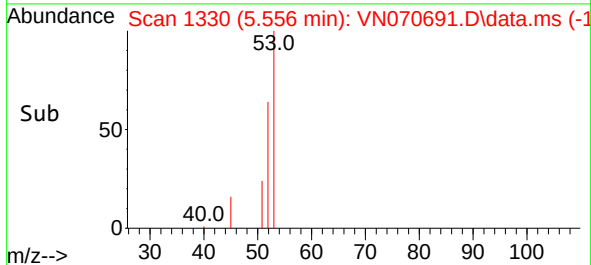
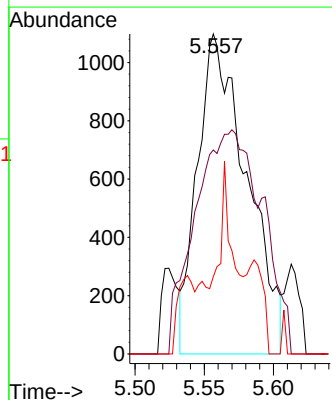
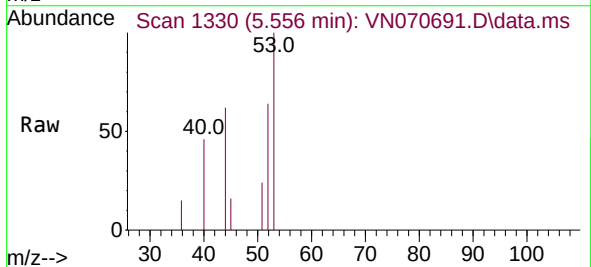
Instrument :
MSVOA_N
ClientSampleId :

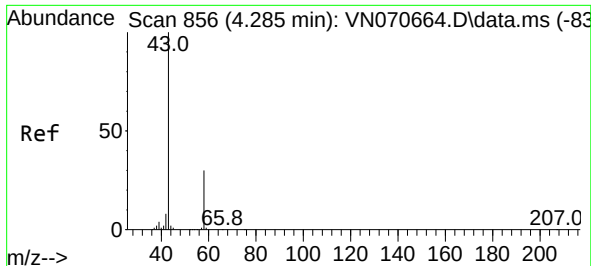
Tgt Ion: 56 Resp: 2101
Ion Ratio Lower Upper
56 100
55 57.1 56.6 85.0



#15
Acrylonitrile
Concen: 0.301 ug/l
RT: 5.556 min Scan# 1330
Delta R.T. 0.005 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

Tgt Ion: 53 Resp: 2718
Ion Ratio Lower Upper
53 100
52 80.1 66.2 99.2
51 8.5 29.6 44.4#

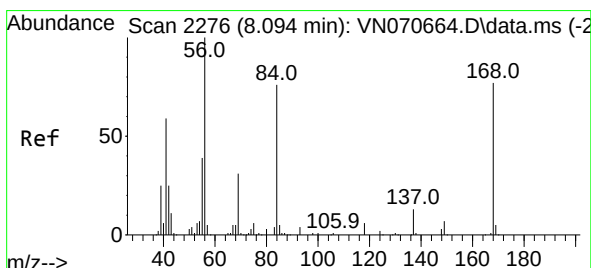
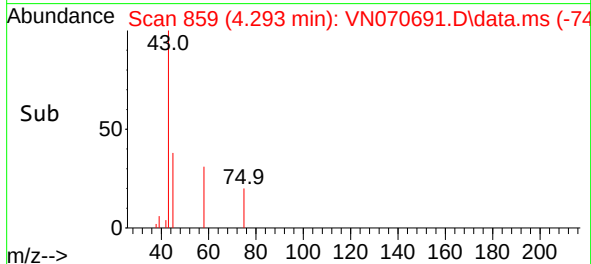
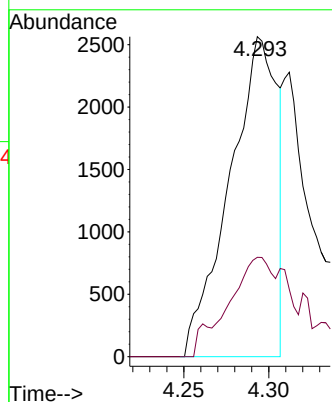
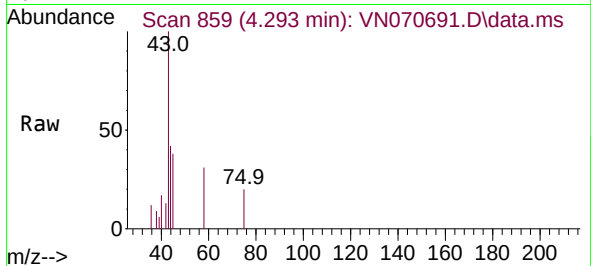




#16
Acetone
Concen: 0.457 ug/l
RT: 4.293 min Scan# 81
Delta R.T. 0.008 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

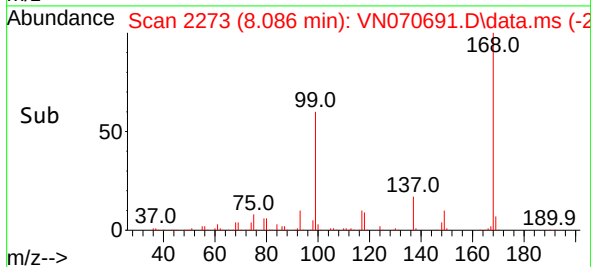
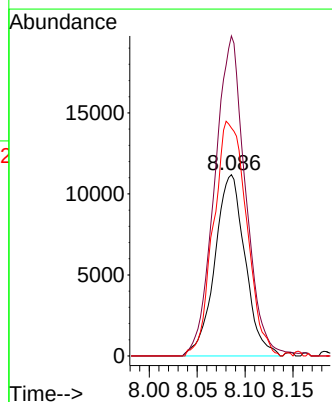
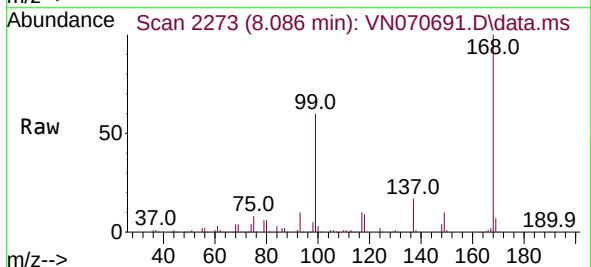
Instrument :
MSVOA_N
ClientSampleId :

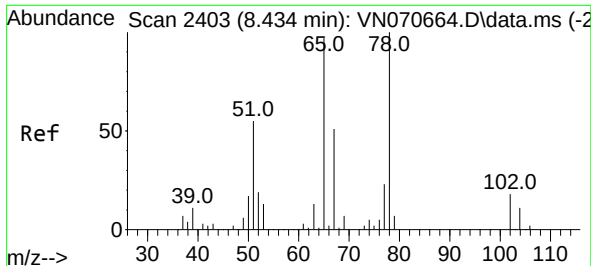
Tgt Ion: 43 Resp: 4997
Ion Ratio Lower Upper
43 100
58 31.0 23.1 34.7



#31
Cyclohexane
Concen: 0.886 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

Tgt Ion: 56 Resp: 24567
Ion Ratio Lower Upper
56 100
69 176.5 27.1 40.7#
84 125.8 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 45.897 ug/l

RT: 8.437 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN070691.D

Acq: 19 Jan 2022 11:24

Instrument :

MSVOA_N

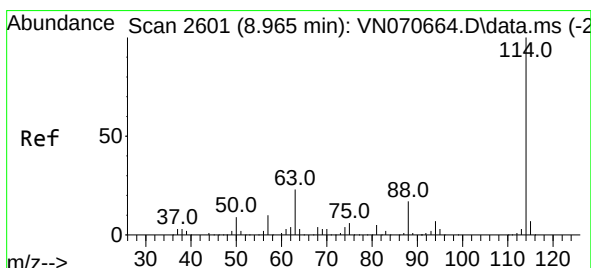
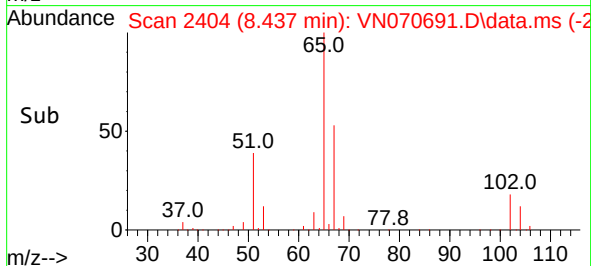
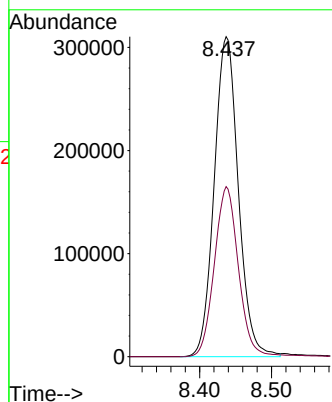
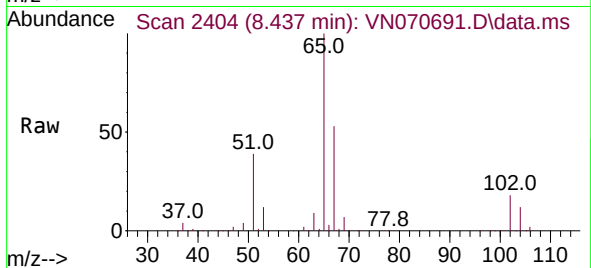
ClientSampleId :

Tgt Ion: 65 Resp: 722909

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: VN070691.D

Acq: 19 Jan 2022 11:24

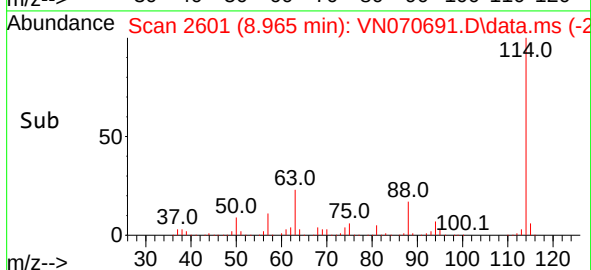
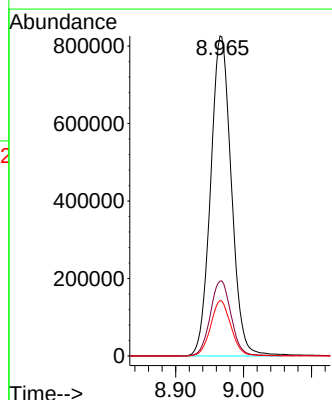
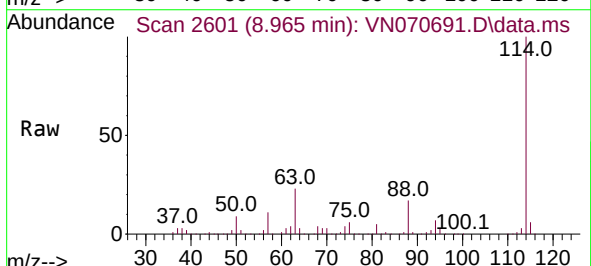
Tgt Ion: 114 Resp: 1749633

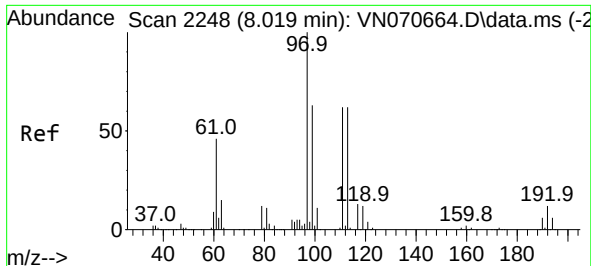
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 17.3 0.0 27.4





#35

Dibromofluoromethane

Concen: 46.834 ug/l

RT: 8.021 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070691.D

Acq: 19 Jan 2022 11:24

Instrument :

MSVOA_N

ClientSampleId :

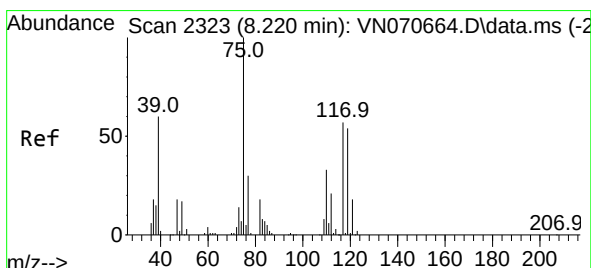
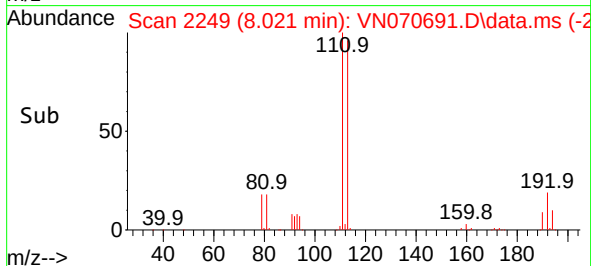
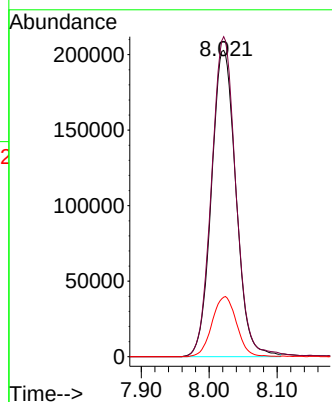
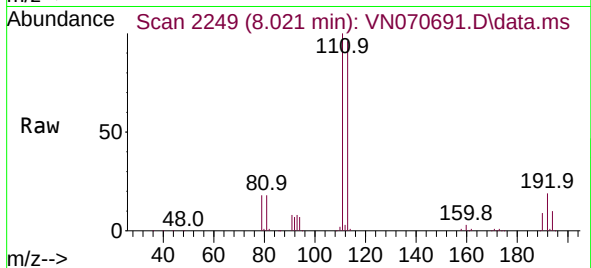
Tgt Ion:113 Resp: 508284

Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.2

192 19.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.966 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.137 min

Lab File: VN070691.D

Acq: 19 Jan 2022 11:24

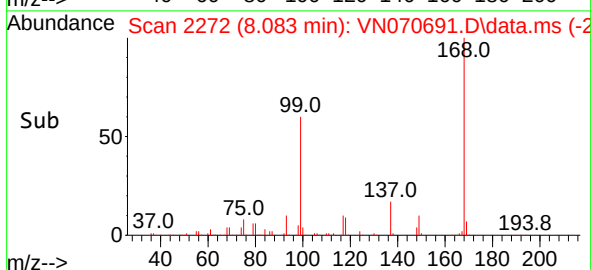
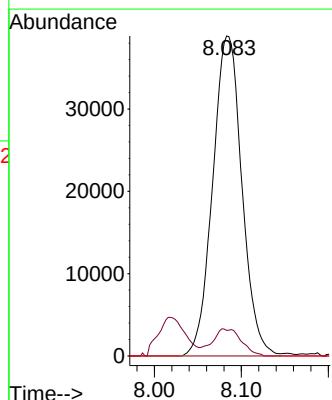
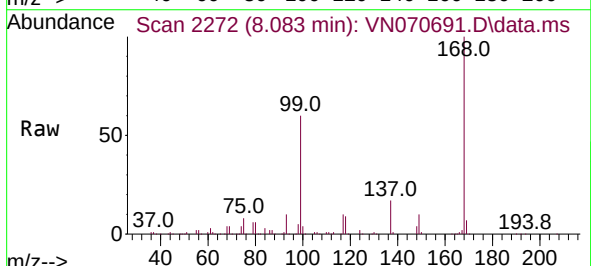
Tgt Ion: 75 Resp: 90731

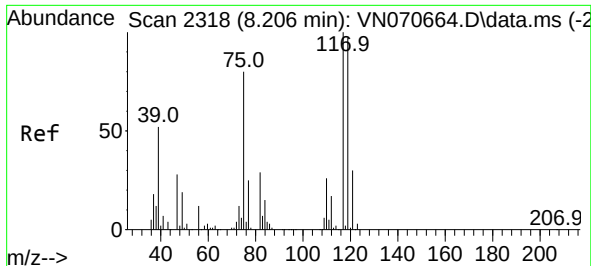
Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.2#

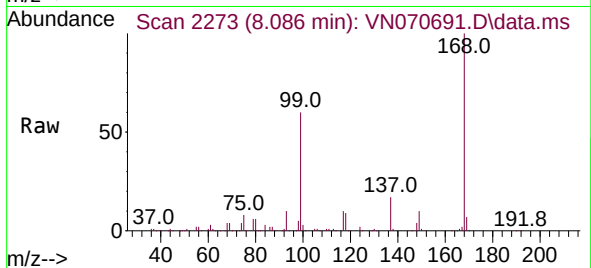
77 0.0 24.4 36.6#



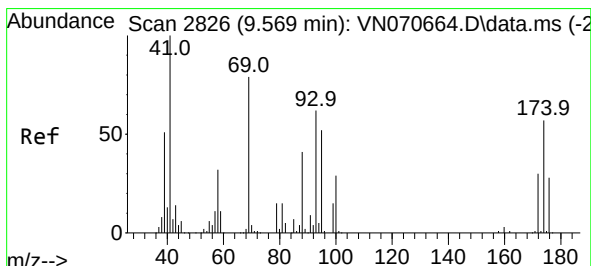
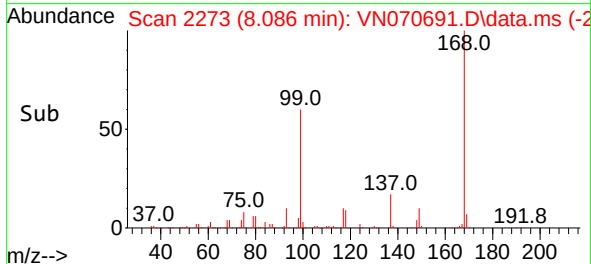
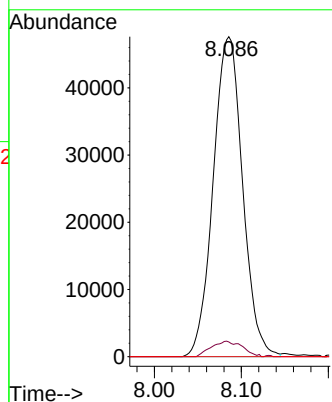


#38
Carbon Tetrachloride
Concen: 6.878 ug/l
RT: 8.086 min Scan# 2117
Delta R.T. -0.120 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

Instrument :
MSVOA_N
ClientSampleId :

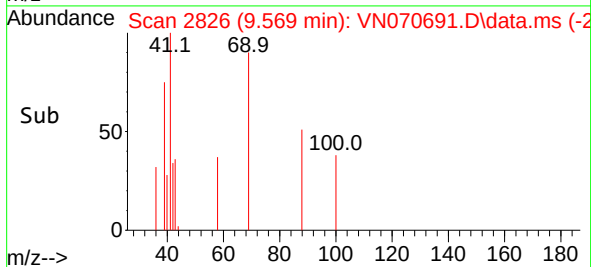
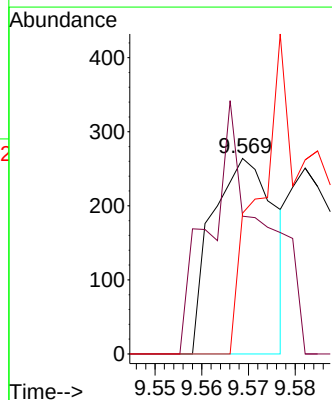
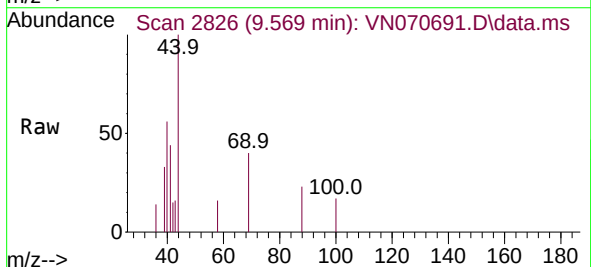


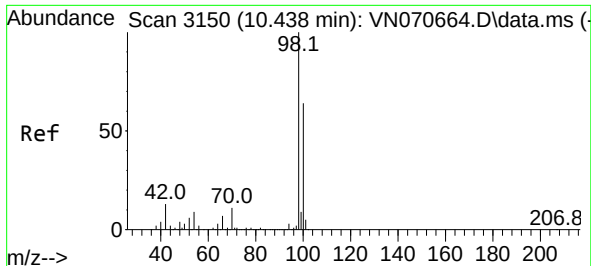
Tgt Ion:117 Resp: 111793
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.924 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. -0.000 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

Tgt Ion: 88 Resp: 245
Ion Ratio Lower Upper
88 100
43 111.0 23.4 35.2#
58 143.7 50.6 75.8#

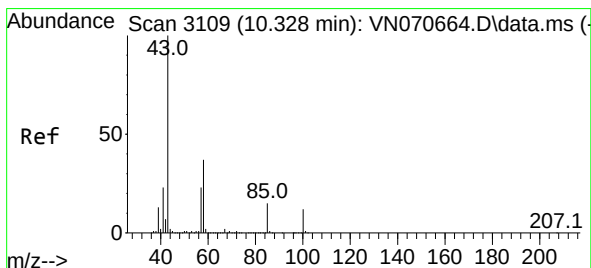
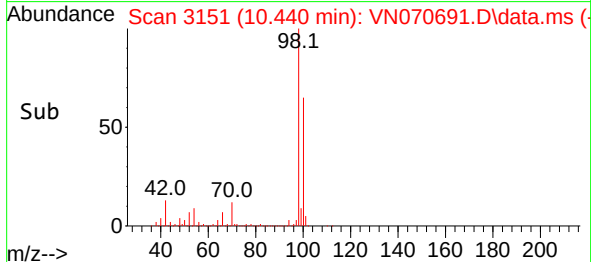
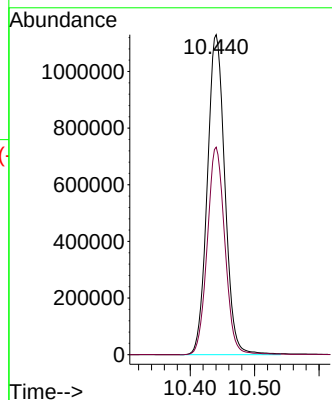
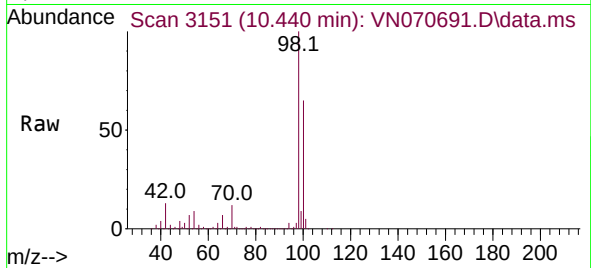




#50
Toluene-d8
Concen: 46.826 ug/l
RT: 10.440 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

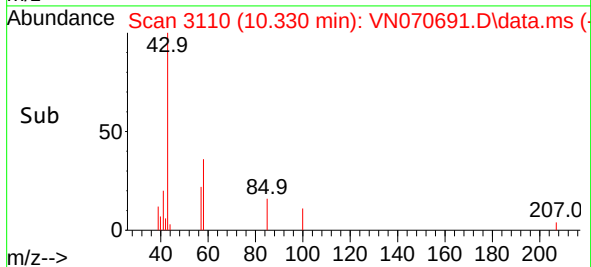
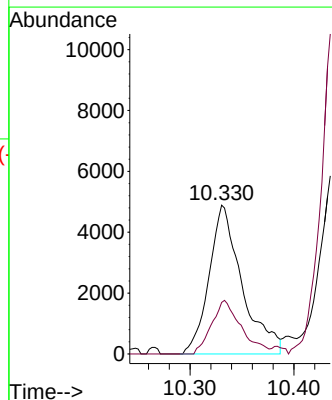
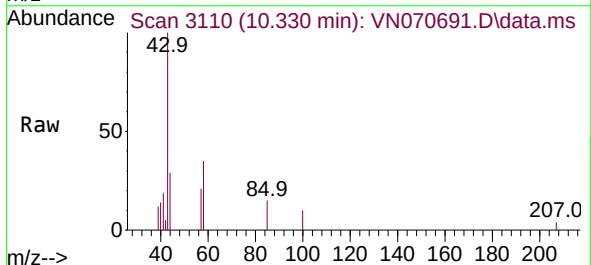
Instrument :
MSVOA_N
ClientSampleId :

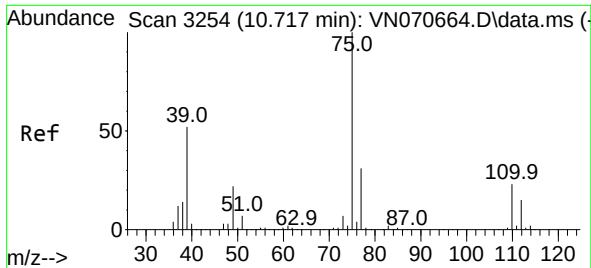
Tgt Ion: 98 Resp: 2140933
Ion Ratio Lower Upper
98 100
100 65.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.457 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

Tgt Ion: 43 Resp: 10799
Ion Ratio Lower Upper
43 100
58 32.2 30.4 45.6

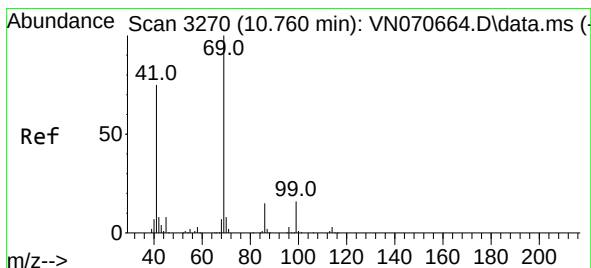
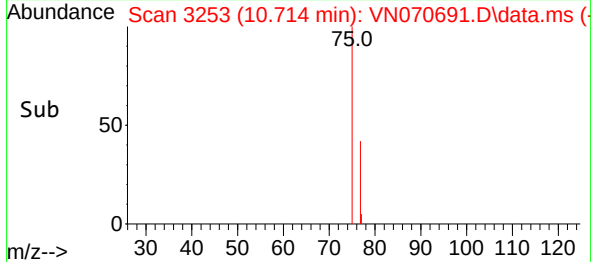
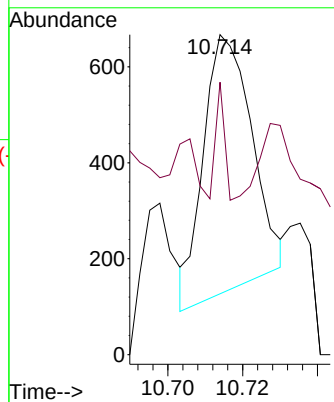
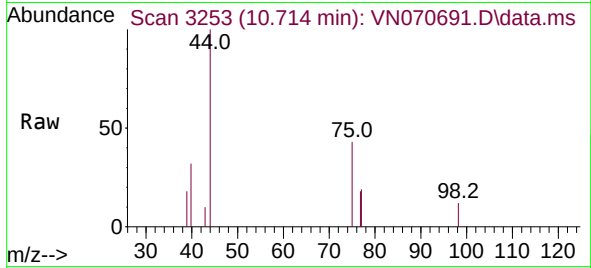




#53
t-1,3-Dichloropropene
Concen: 2.425 ug/l
RT: 10.714 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

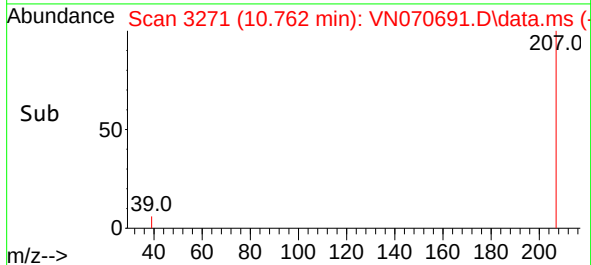
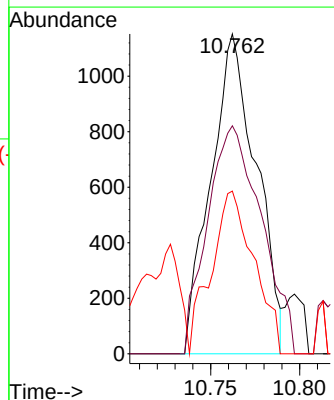
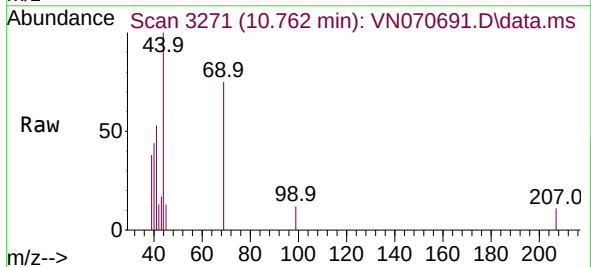
Instrument :
MSVOA_N
ClientSampleId :

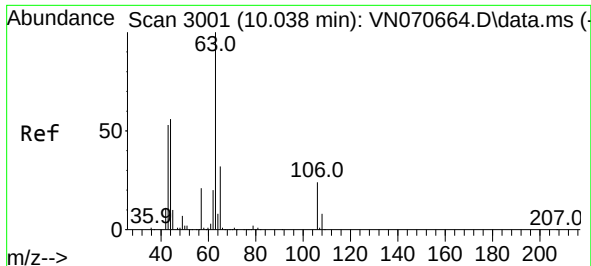
Tgt Ion: 75 Resp: 485
Ion Ratio Lower Upper
75 100
77 26.6 25.6 38.4



#56
Ethyl methacrylate
Concen: 2.379 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.002 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

Tgt Ion: 69 Resp: 2049
Ion Ratio Lower Upper
69 100
41 84.5 51.4 77.0#
39 47.9 34.6 52.0

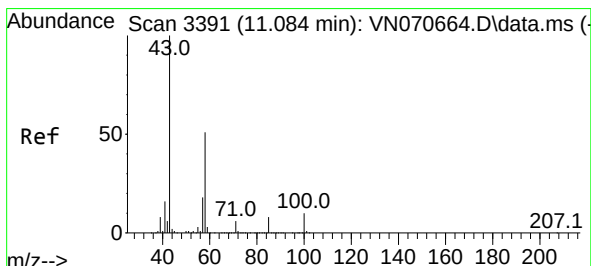
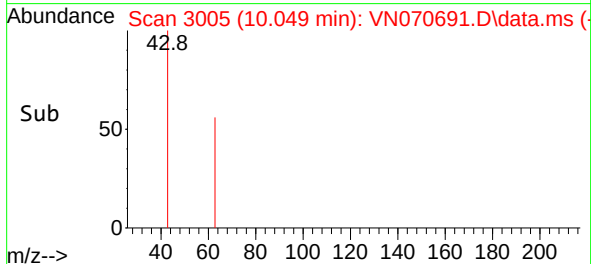
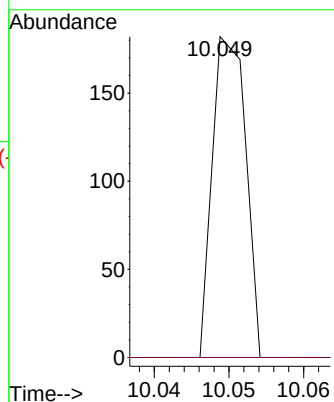
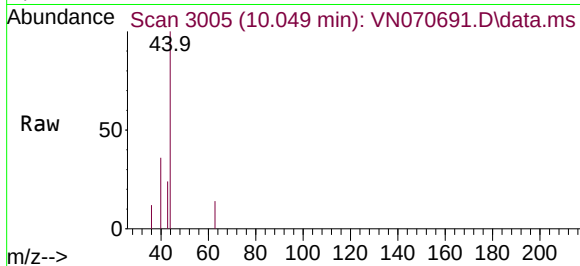




#58
2-Chloroethyl Vinyl ether
Concen: 21.245 ug/l
RT: 10.049 min Scan# 3001
Delta R.T. 0.011 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

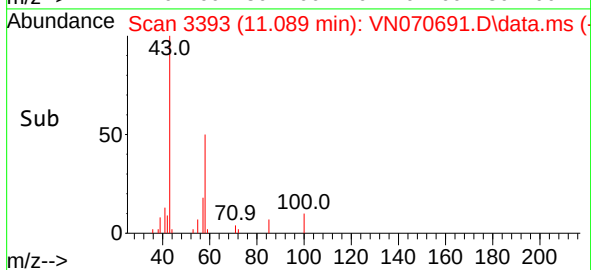
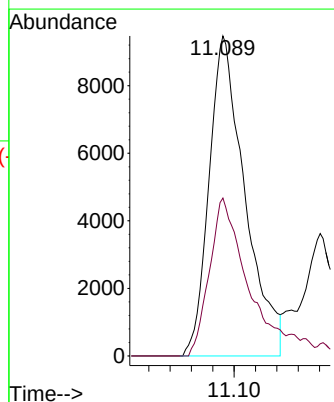
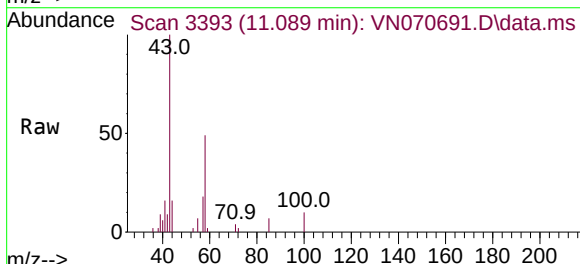
Instrument :
MSVOA_N
ClientSampleId :

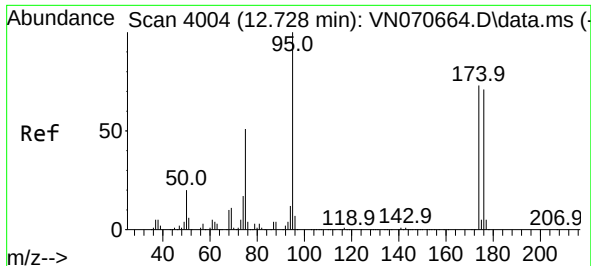
Tgt Ion: 63 Resp: 57
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 1.288 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

Tgt Ion: 43 Resp: 22119
Ion Ratio Lower Upper
43 100
58 51.2 26.9 80.7

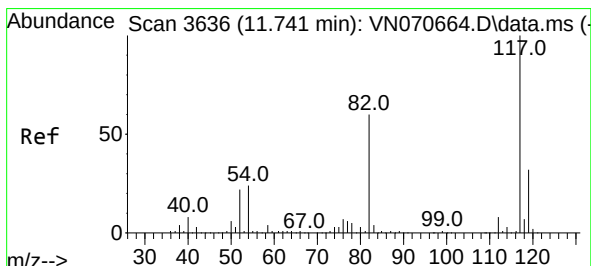
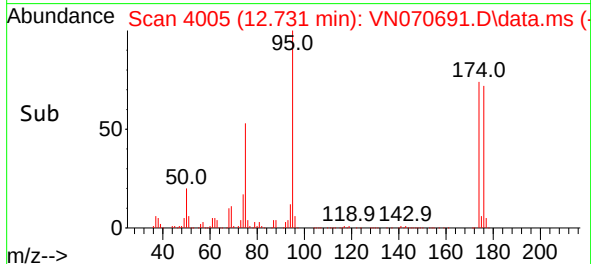
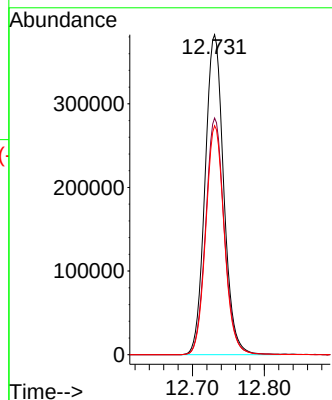
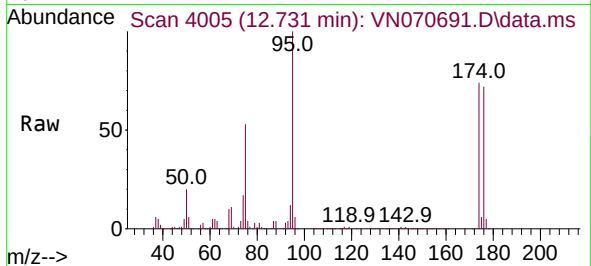




#62
4-Bromofluorobenzene
Concen: 42.386 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

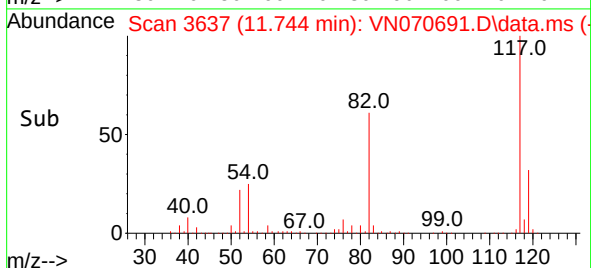
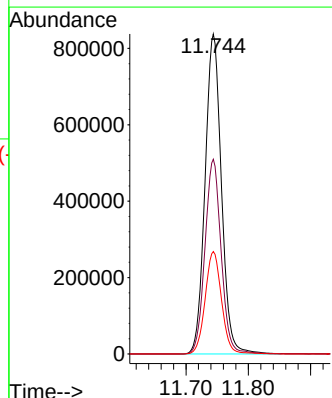
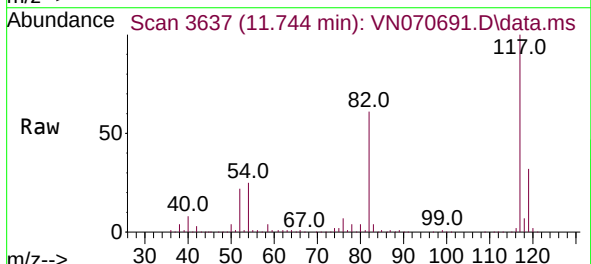
Instrument :
MSVOA_N
ClientSampleId :

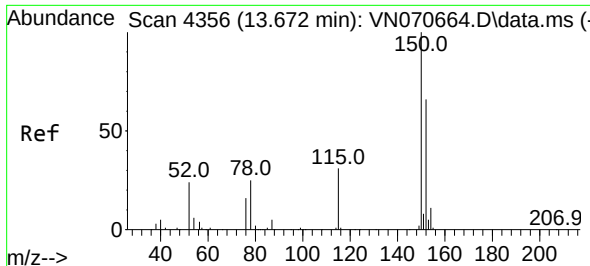
Tgt Ion: 95 Resp: 690574
Ion Ratio Lower Upper
95 100
174 74.1 0.0 187.2
176 71.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

Tgt Ion: 117 Resp: 1527742
Ion Ratio Lower Upper
117 100
82 60.9 42.4 63.6
119 32.0 25.4 38.2

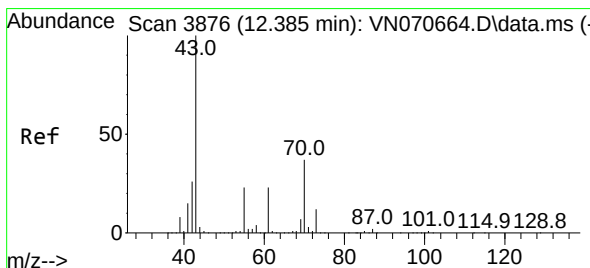
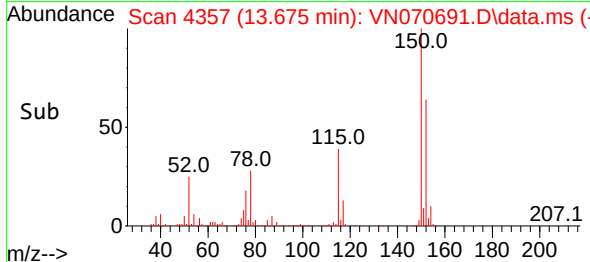
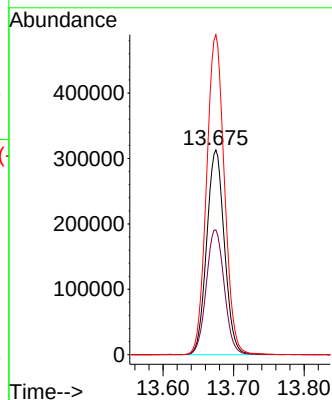
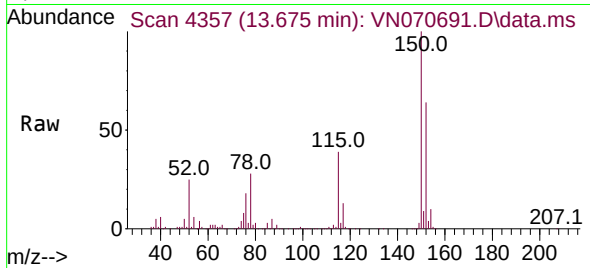




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

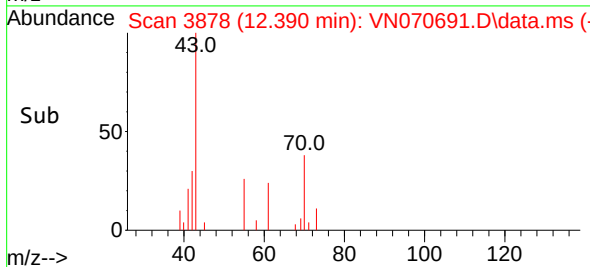
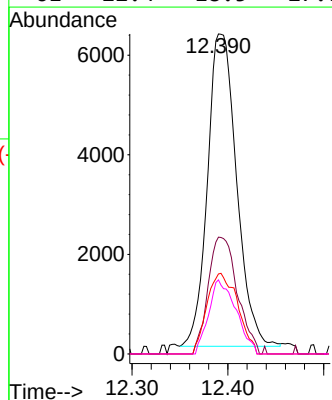
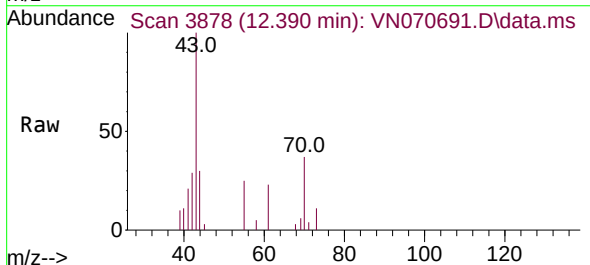
Instrument :
MSVOA_N
ClientSampleId :

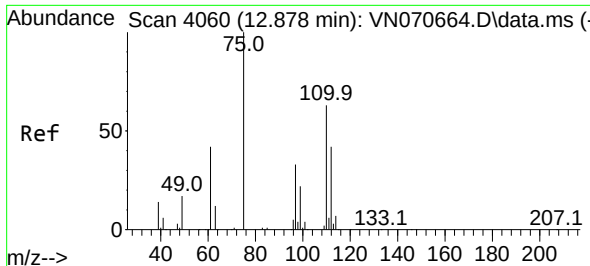
Tgt Ion:152 Resp: 547463
Ion Ratio Lower Upper
152 100
115 61.9 27.5 82.5
150 157.0 0.0 344.4



#74
N-ethyl acetate
Concen: 0.624 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.005 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

Tgt Ion: 43 Resp: 13217
Ion Ratio Lower Upper
43 100
70 37.6 33.4 50.0
55 27.4 19.3 28.9
61 22.4 18.5 27.7

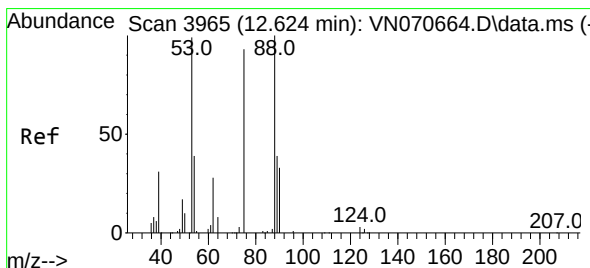
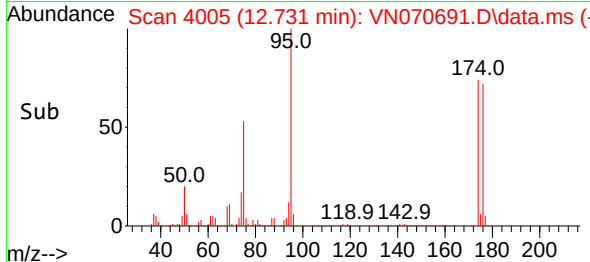
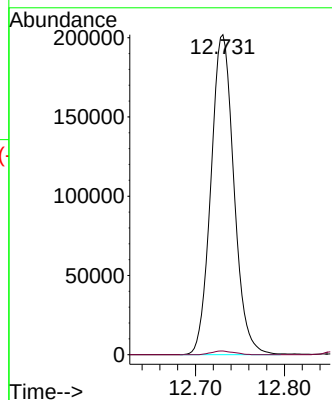
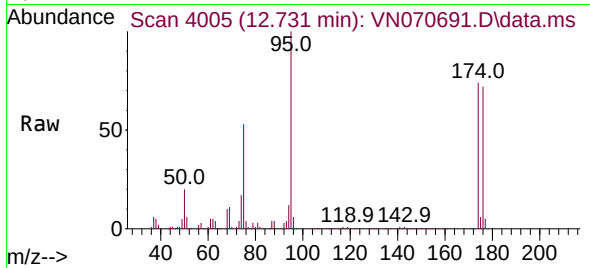




#76
1,2,3-Trichloropropane
Concen: 24.948 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

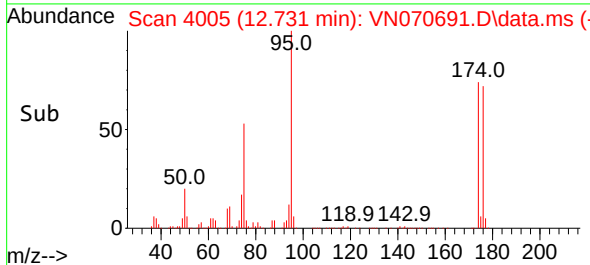
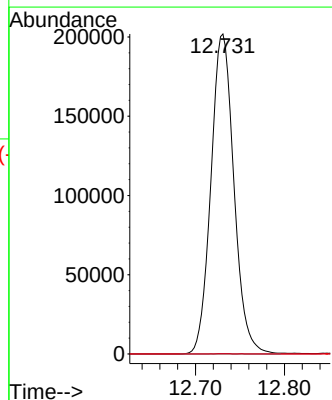
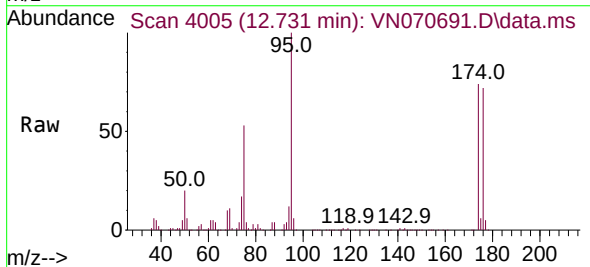
Instrument :
MSVOA_N
ClientSampleId :

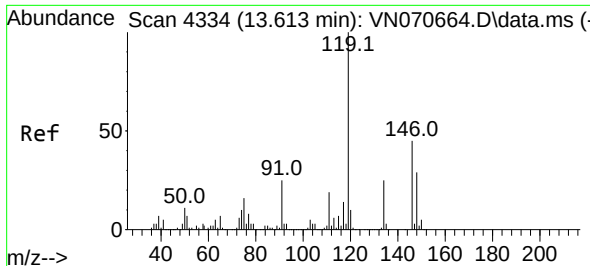
Tgt Ion: 75 Resp: 362253
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.325 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

Tgt Ion: 75 Resp: 362253
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

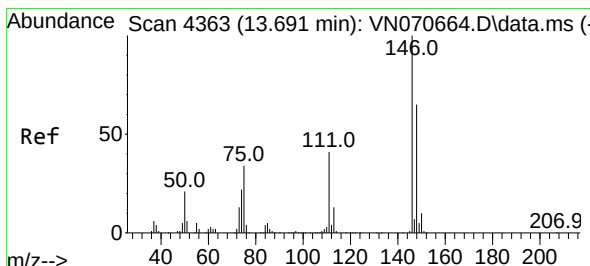
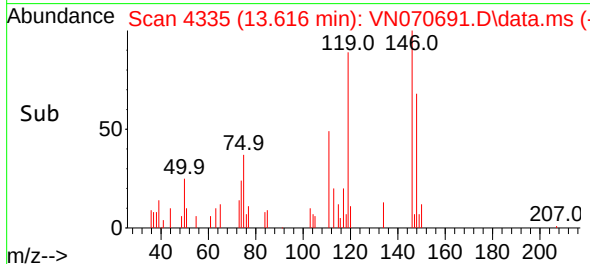
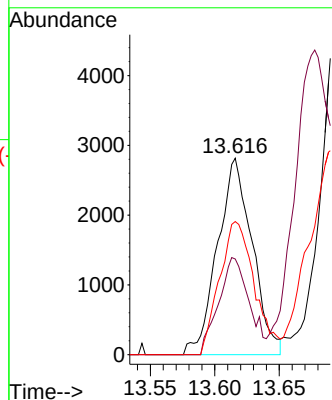
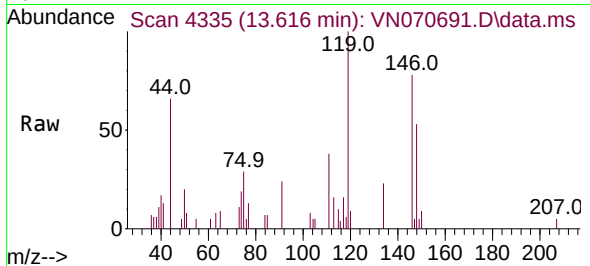




#87
1,3-Dichlorobenzene
Concen: 0.273 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.003 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

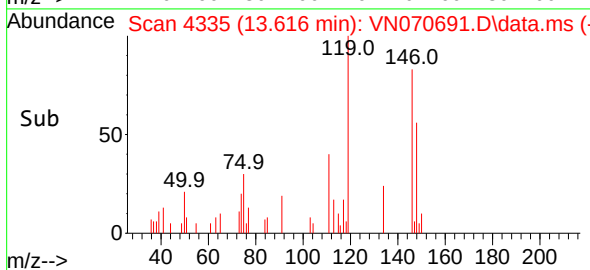
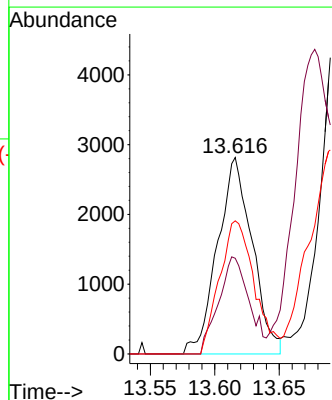
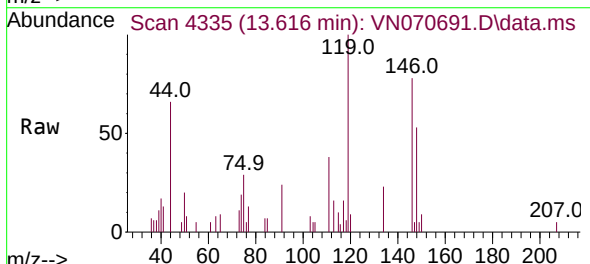
Instrument :
MSVOA_N
ClientSampleId :

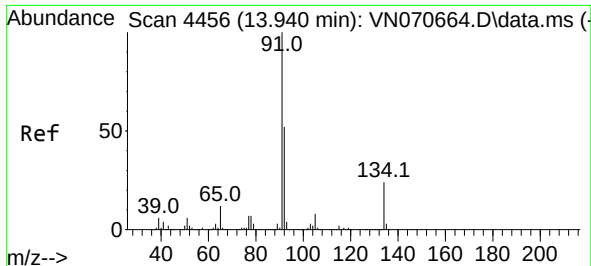
Tgt Ion:146 Resp: 5272
Ion Ratio Lower Upper
146 100
111 43.7 18.6 55.6
148 68.4 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 0.274 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.075 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

Tgt Ion:146 Resp: 5272
Ion Ratio Lower Upper
146 100
111 43.7 18.3 54.8
148 68.4 31.8 95.4

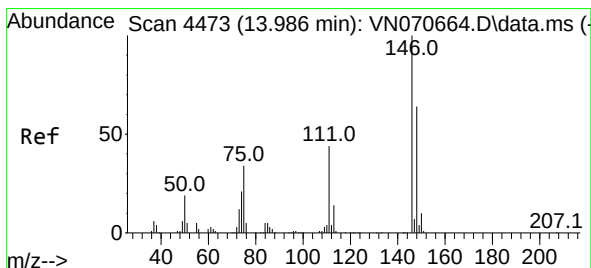
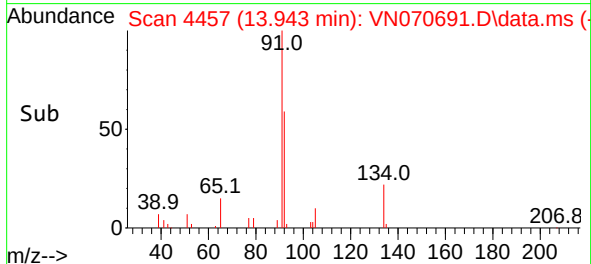
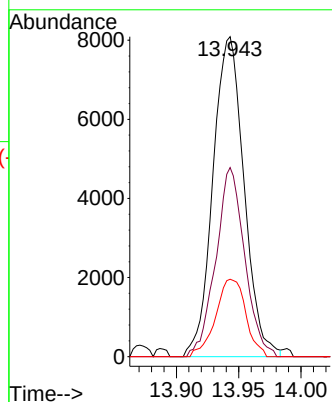
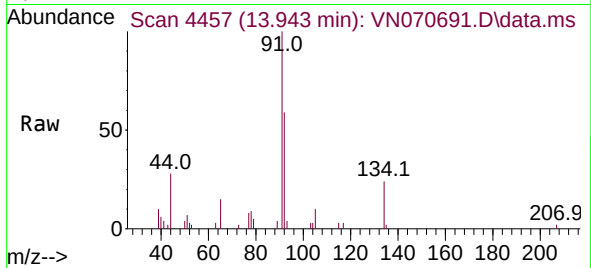




#89
n-Butylbenzene
Concen: 0.437 ug/l
RT: 13.943 min Scan# 4456
Delta R.T. 0.003 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

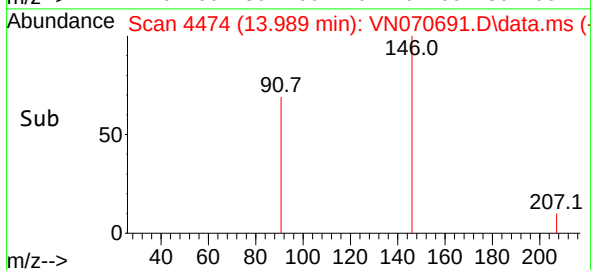
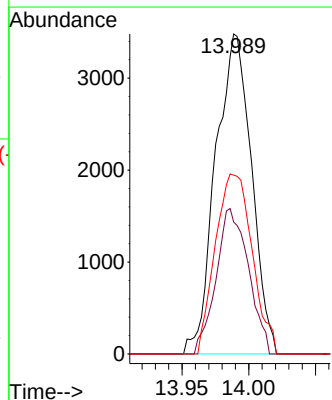
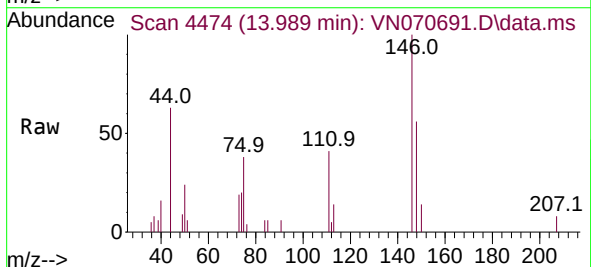
Instrument :
MSVOA_N
ClientSampleId :

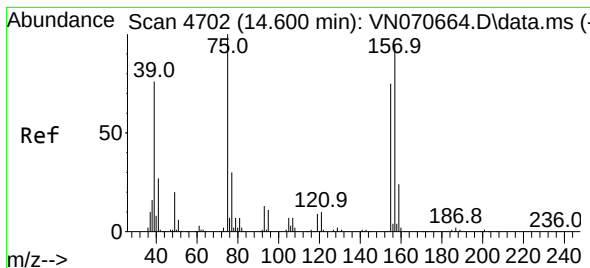
Tgt Ion: 91 Resp: 14043
Ion Ratio Lower Upper
91 100
92 54.9 25.4 76.0
134 23.5 13.6 40.8



#91
1,2-Dichlorobenzene
Concen: 0.340 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.003 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

Tgt Ion: 146 Resp: 6497
Ion Ratio Lower Upper
146 100
111 41.0 19.1 57.3
148 57.9 32.1 96.3

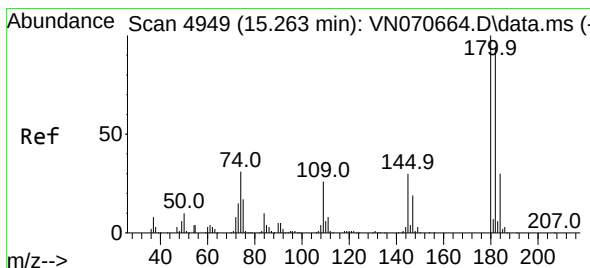
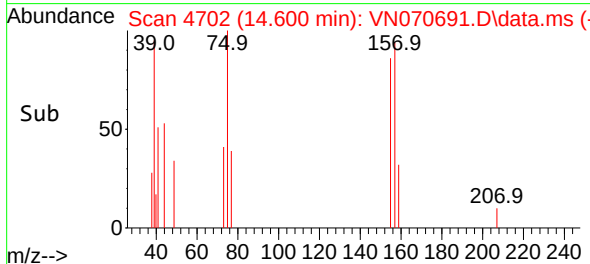
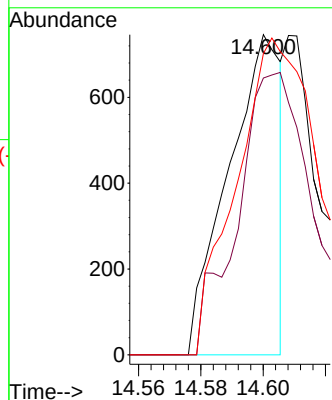
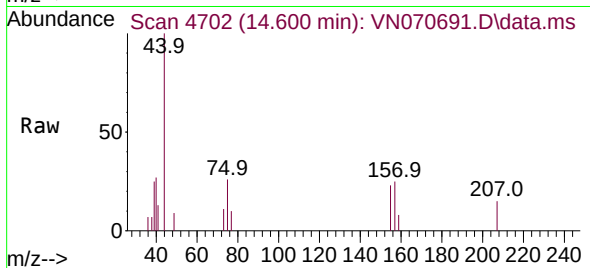




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.292 ug/l
 RT: 14.600 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN070691.D
 Acq: 19 Jan 2022 11:24

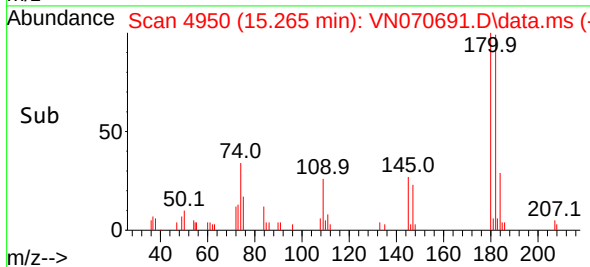
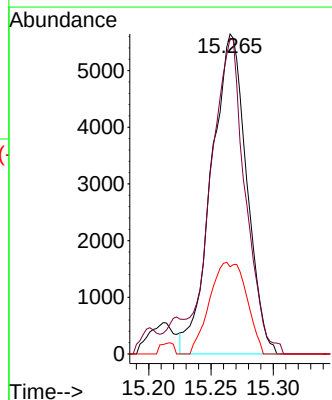
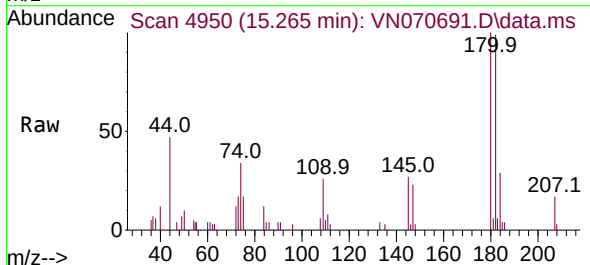
Instrument :
 MSVOA_N
 ClientSampleId :

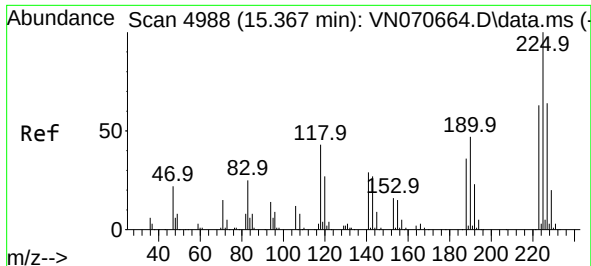
Tgt Ion: 75 Resp: 865
 Ion Ratio Lower Upper
 75 100
 155 123.1 46.9 140.7
 157 150.3 60.6 181.7



#93
 1,2,4-Trichlorobenzene
 Concen: 4.446 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.002 min
 Lab File: VN070691.D
 Acq: 19 Jan 2022 11:24

Tgt Ion: 180 Resp: 11084
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.3 144.9
 145 30.0 14.5 43.5

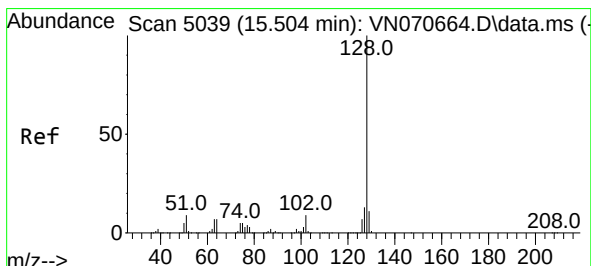
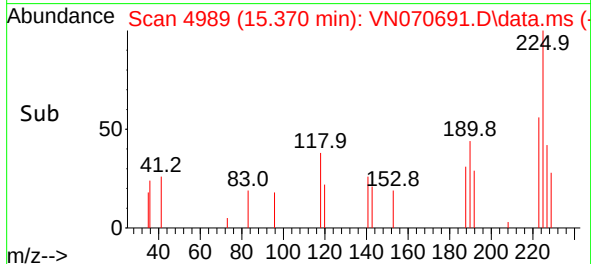
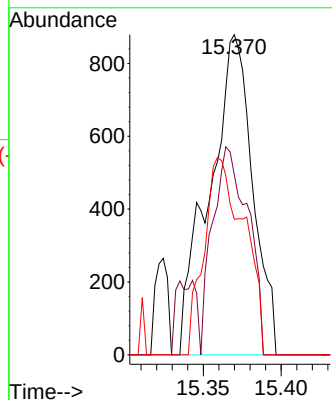
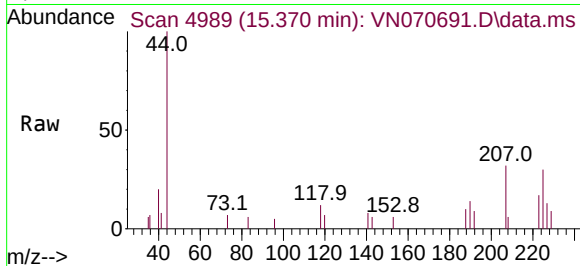




#94
Hexachlorobutadiene
Concen: 0.300 ug/l
RT: 15.370 min Scan# 4988
Delta R.T. 0.003 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

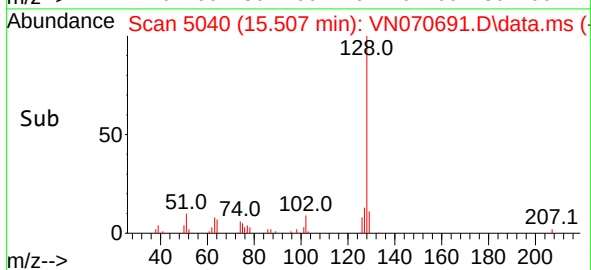
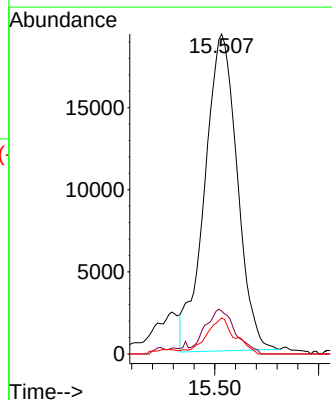
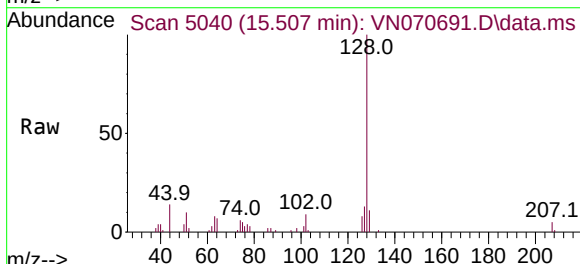
Instrument :
MSVOA_N
ClientSampleId :

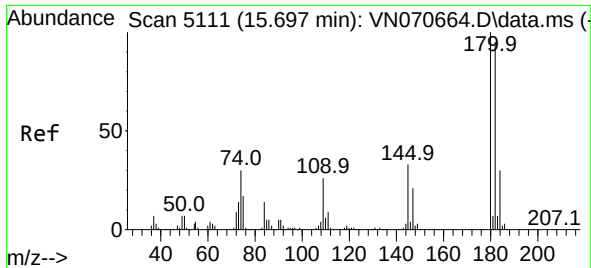
Tgt Ion:225 Resp: 1696
Ion Ratio Lower Upper
225 100
223 53.2 31.9 95.7
227 57.3 32.1 96.3



#95
Naphthalene
Concen: 6.283 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070691.D
Acq: 19 Jan 2022 11:24

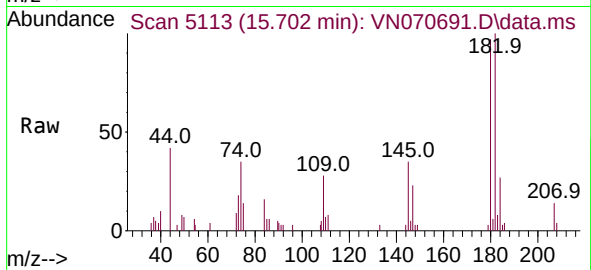
Tgt Ion:128 Resp: 42030
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 4.472 ug/l
 RT: 15.702 min Scan# 51
 Delta R.T. 0.005 min
 Lab File: VN070691.D
 Acq: 19 Jan 2022 11:24

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180	Resp:	12980
Ion	Ratio	Lower Upper
180	100	
182	96.0	47.4 142.2
145	34.3	15.0 45.1

