

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020322\
 Data File : VN070935.D
 Acq On : 3 Feb 2022 17:25
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 04:44:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 02 15:30:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1084220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1707729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1529671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	704476	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	660820	45.027	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.060%
35) Dibromofluoromethane	8.021	113	477634	46.688	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.380%
50) Toluene-d8	10.440	98	2109291	50.216	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.440%
62) 4-Bromofluorobenzene	12.731	95	728213	48.114	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.220%

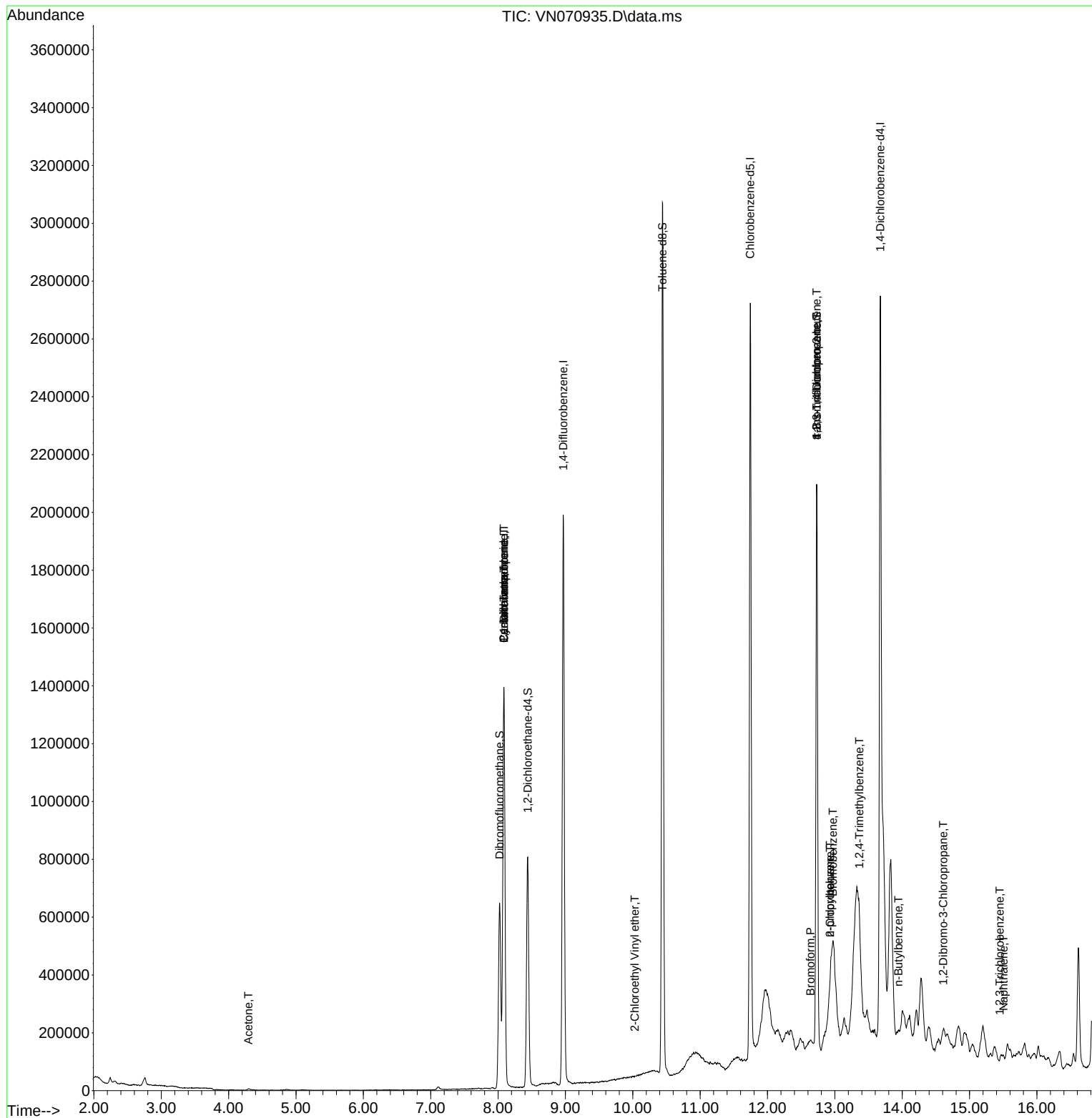
Target Compounds					Qvalue	
16) Acetone	4.293	43	5875	0.669	ug/l	93
18) Methyl Acetate	4.862	43	2875	Below Cal	#	73
31) Cyclohexane	8.086	56	23755	0.953	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	85965	5.172	ug/l #	49
38) Carbon Tetrachloride	8.086	117	106635	7.026	ug/l #	16
58) 2-Chloroethyl Vinyl ether	10.030	63	129	19.670	ug/l #	18
71) Bromoform	12.637	173	4466	0.484	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	376052	22.177	ug/l #	1
77) Bromobenzene	12.970	156	232824	15.801	ug/l #	1
78) n-propylbenzene	12.927	91	28394	0.405	ug/l	90
79) 2-Chlorotoluene	12.927	91	28394	0.651	ug/l #	38
81) trans-1,4-Dichloro-2-b...	12.731	75	376052	60.115	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.364	105	11672	0.240	ug/l	80
89) n-Butylbenzene	13.943	91	9478	0.224	ug/l #	71
92) 1,2-Dibromo-3-Chloropr...	14.608	75	1521	0.394	ug/l #	1
95) Naphthalene	15.504	128	15058	3.923	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.448	180	729	1.758	ug/l	74

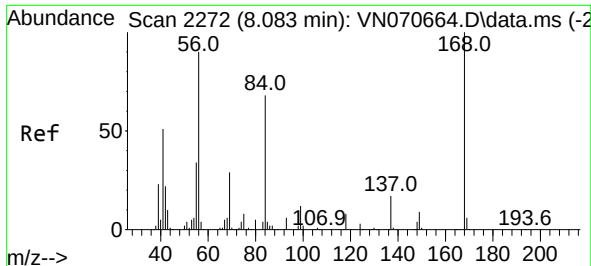
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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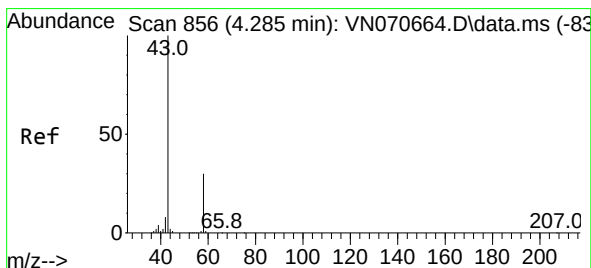
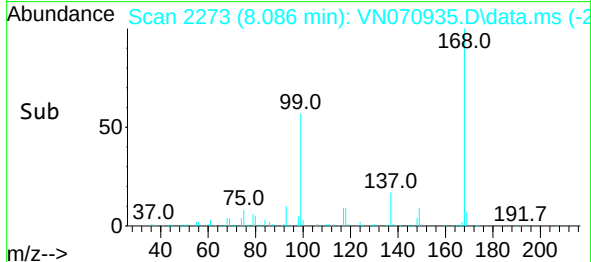
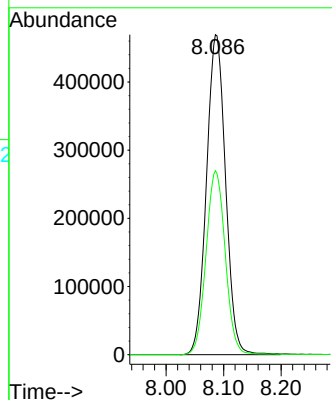
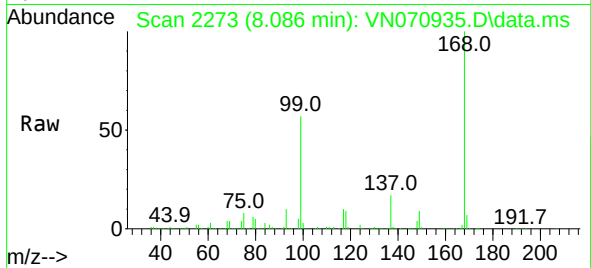




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

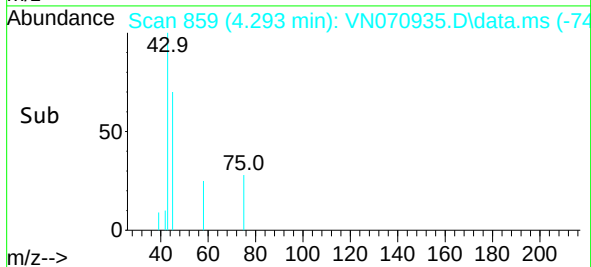
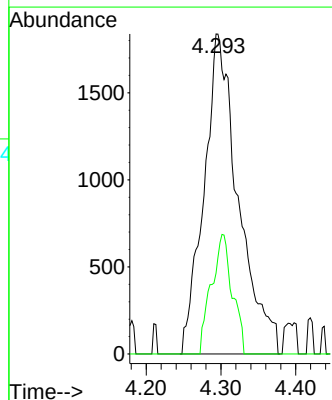
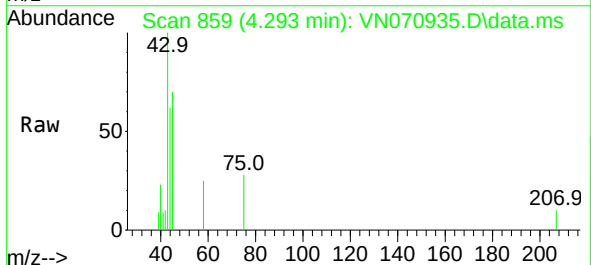
Instrument :
MSVOA_N
ClientSampleId :

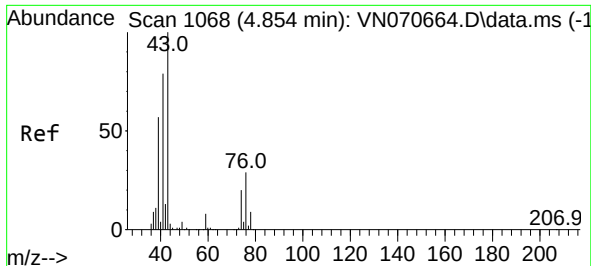
Tgt Ion:168 Resp: 1084220
Ion Ratio Lower Upper
168 100
99 57.5 41.3 61.9



#16
Acetone
Concen: 0.669 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

Tgt Ion: 43 Resp: 5875
Ion Ratio Lower Upper
43 100
58 25.2 23.1 34.7





#18

Methyl Acetate

Concen: Below Cal

RT: 4.862 min Scan# 1068

Delta R.T. 0.008 min

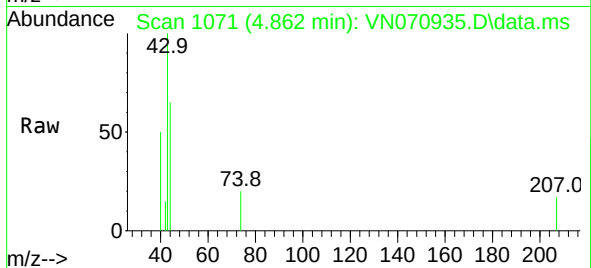
Lab File: VN070935.D

Acq: 3 Feb 2022 17:25

Instrument :

MSVOA_N

ClientSampleId :

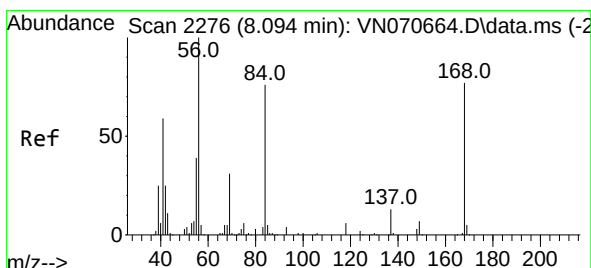
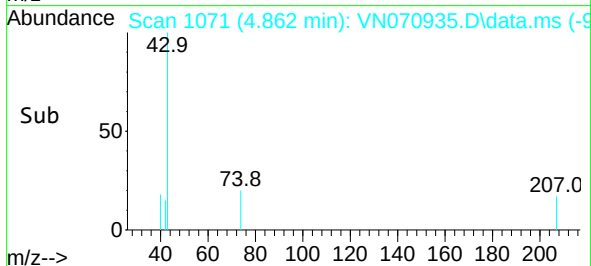
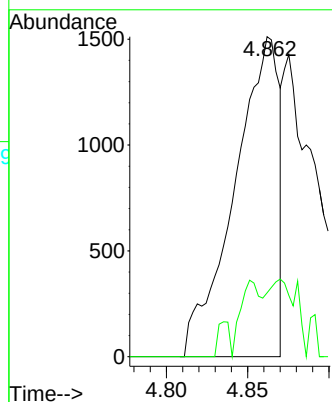


Tgt Ion: 43 Resp: 2875

Ion Ratio Lower Upper

43 100

74 11.1 19.4 29.2#



#31

Cyclohexane

Concen: 0.953 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070935.D

Acq: 3 Feb 2022 17:25

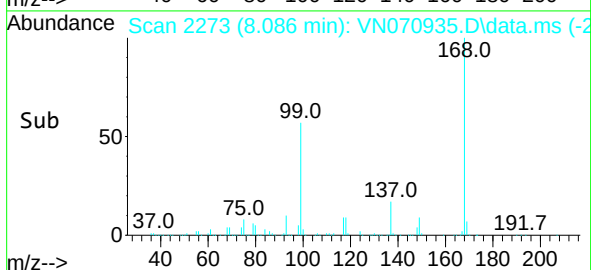
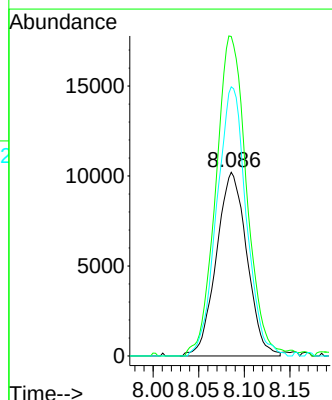
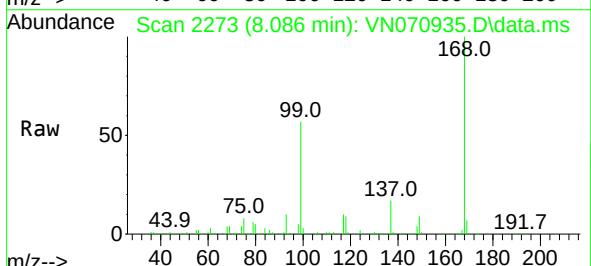
Tgt Ion: 56 Resp: 23755

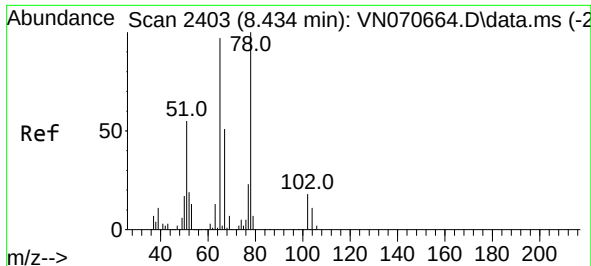
Ion Ratio Lower Upper

56 100

69 174.0 27.1 40.7#

84 146.6 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 45.027 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN070935.D

Acq: 3 Feb 2022 17:25

Instrument :

MSVOA_N

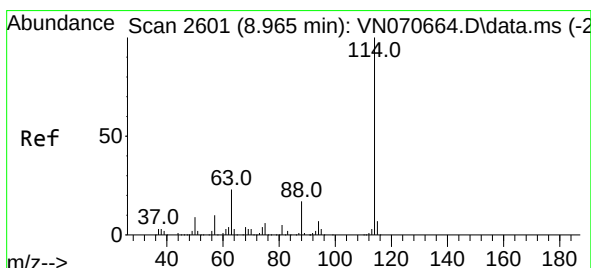
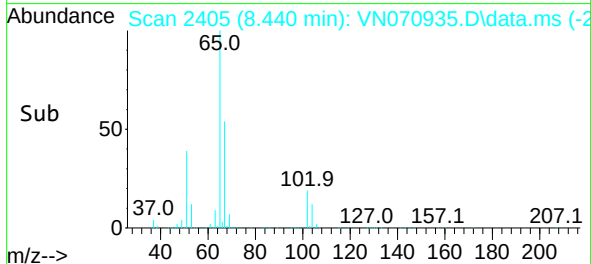
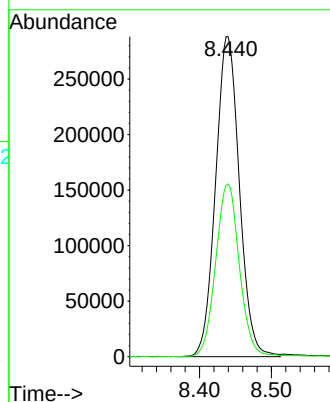
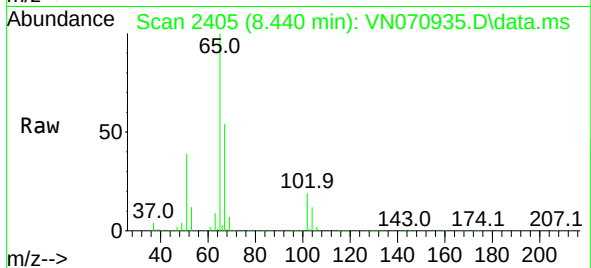
ClientSampleId :

Tgt Ion: 65 Resp: 660820

Ion Ratio Lower Upper

65 100

67 53.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.003 min

Lab File: VN070935.D

Acq: 3 Feb 2022 17:25

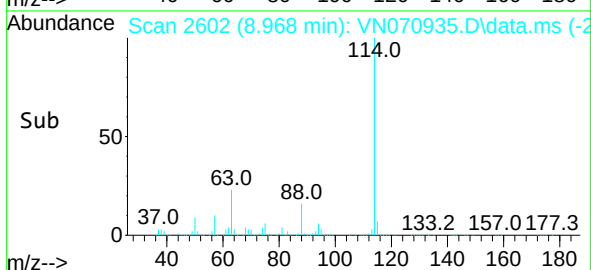
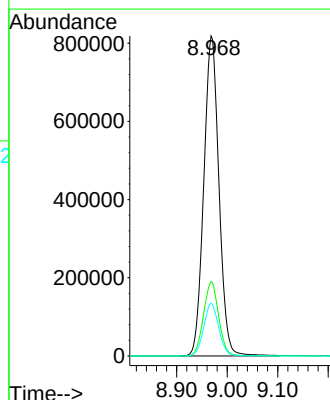
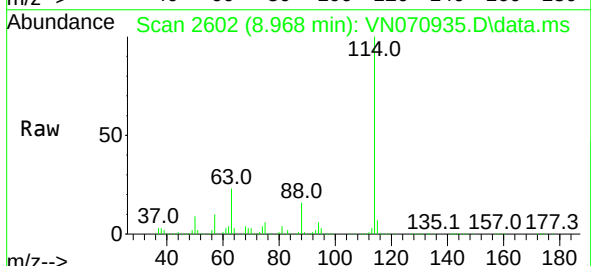
Tgt Ion: 114 Resp: 1707729

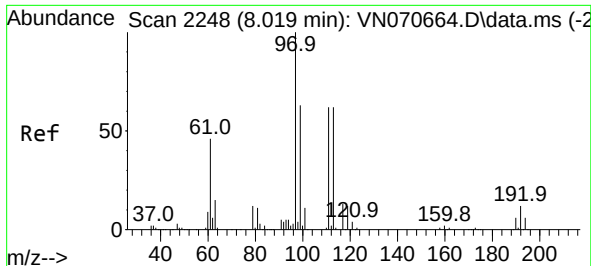
Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.8

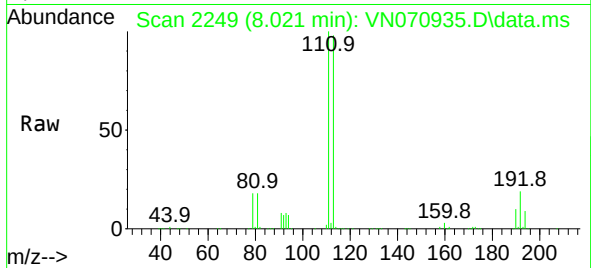
88 16.5 0.0 27.4



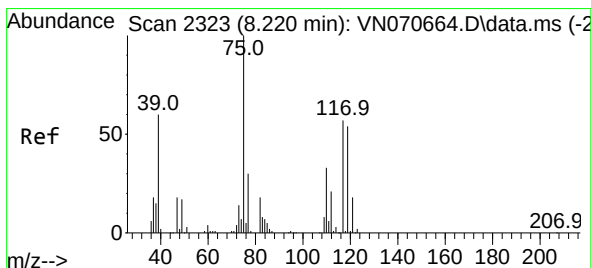
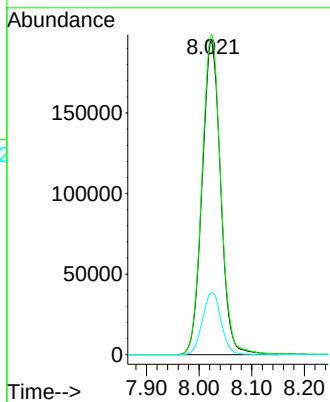
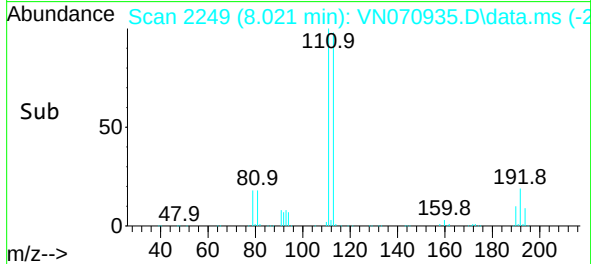


#35
 Dibromofluoromethane
 Concen: 46.688 ug/l
 RT: 8.021 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN070935.D
 Acq: 3 Feb 2022 17:25

Instrument :
 MSVOA_N
 ClientSampleId :

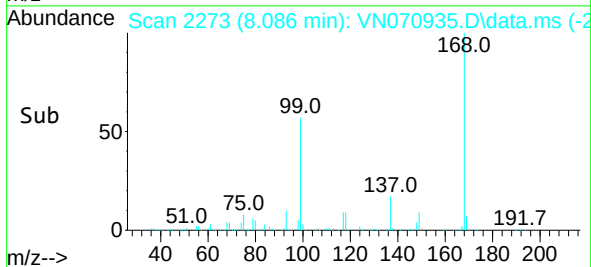
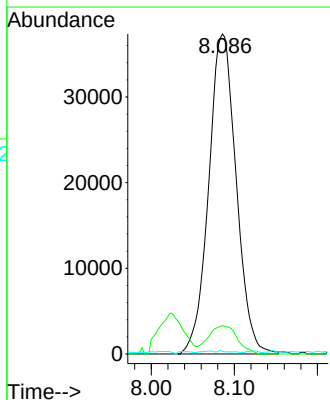
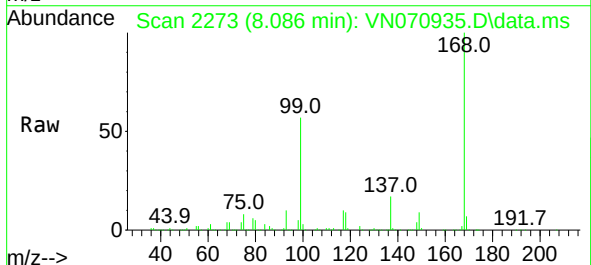


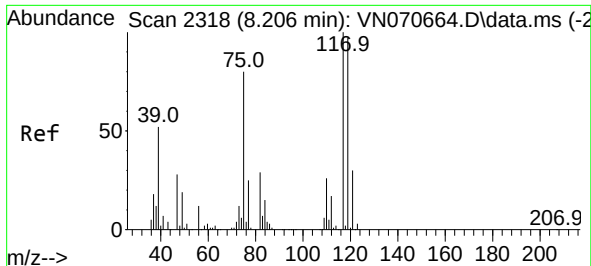
Tgt Ion:113 Resp: 477634
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.2 123.2
 192 20.0 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 5.172 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.134 min
 Lab File: VN070935.D
 Acq: 3 Feb 2022 17:25

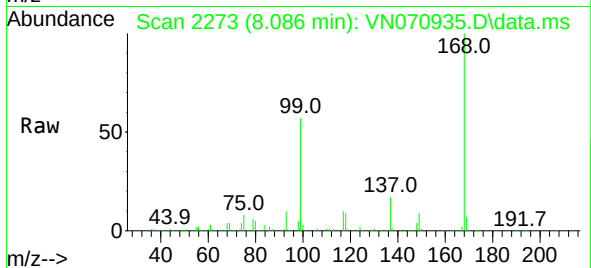
Tgt Ion: 75 Resp: 85965
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.4 55.2#
 77 0.1 24.4 36.6#



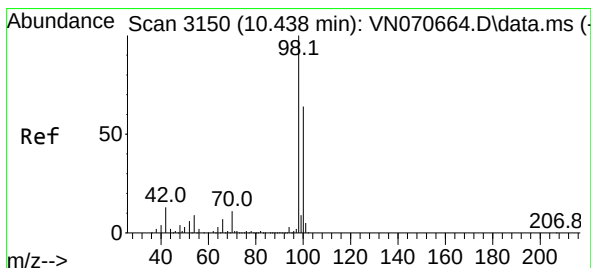
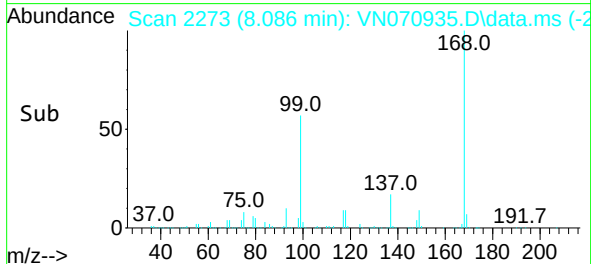
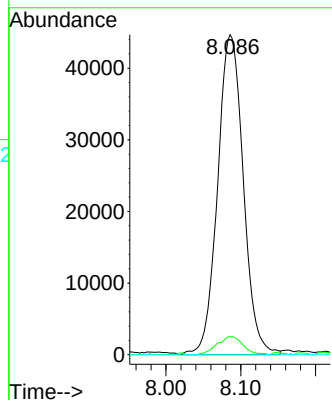


#38
Carbon Tetrachloride
Concen: 7.026 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

Instrument :
MSVOA_N
ClientSampleId :

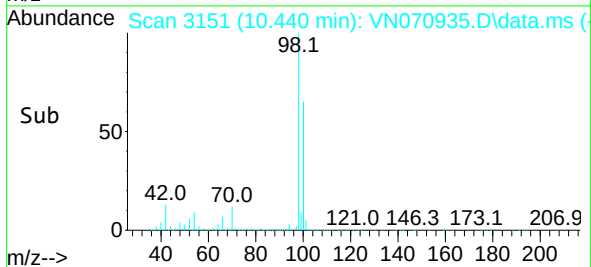
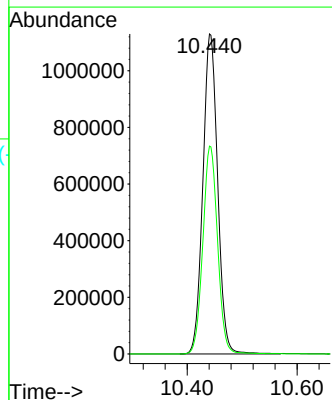
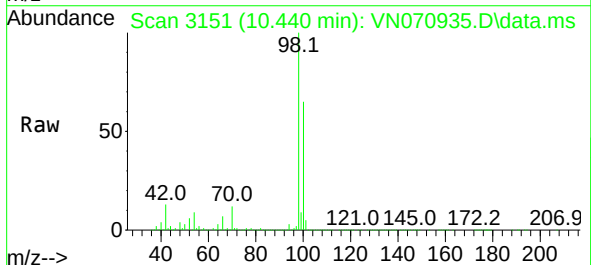


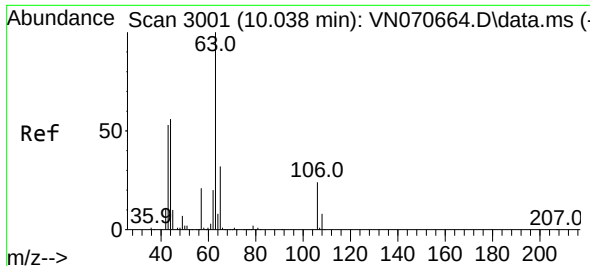
Tgt Ion:117 Resp: 106635
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.216 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.001 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

Tgt Ion: 98 Resp: 2109291
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6

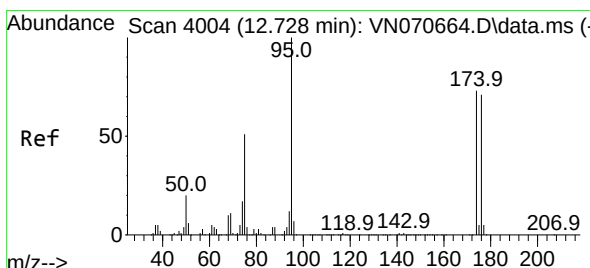
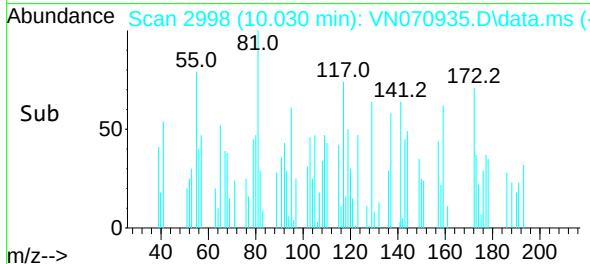
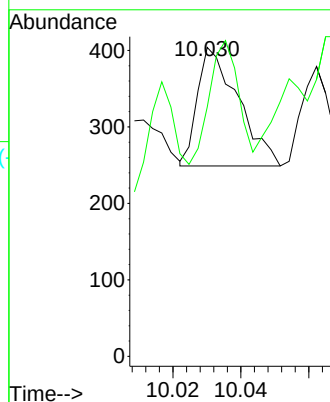
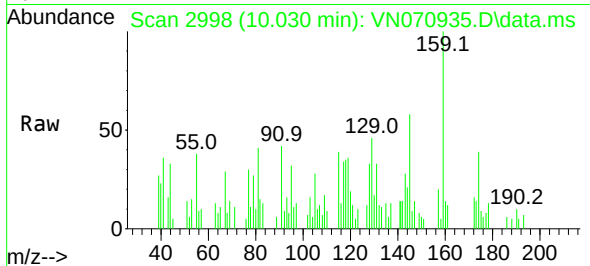




#58
2-Chloroethyl Vinyl ether
Concen: 19.670 ug/l
RT: 10.030 min Scan# 2998
Delta R.T. -0.011 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

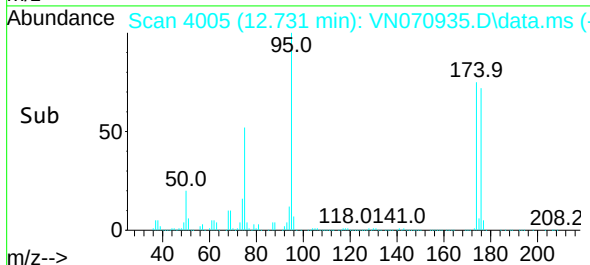
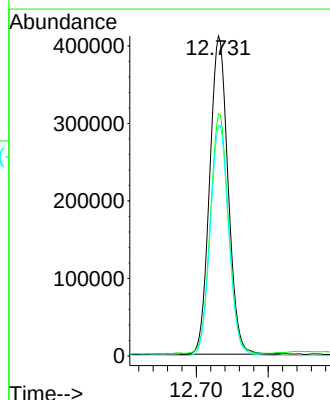
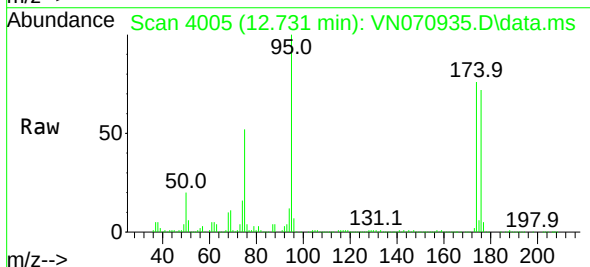
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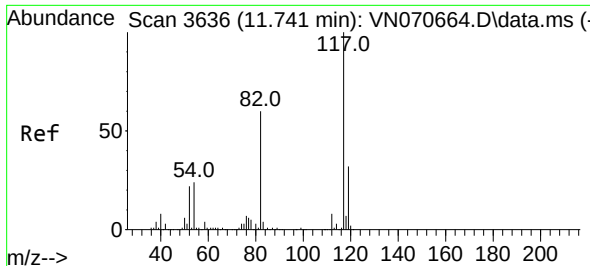
Tgt Ion: 63 Resp: 129
Ion Ratio Lower Upper
63 100
106 74.4 23.9 35.9#



#62
4-Bromofluorobenzene
Concen: 48.114 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

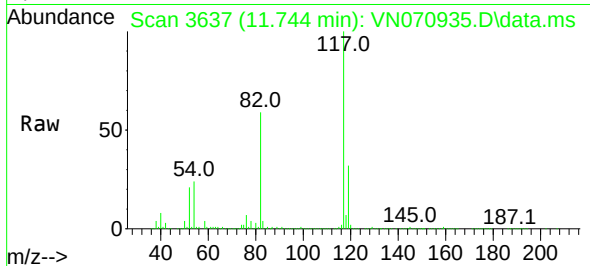
Tgt Ion: 95 Resp: 728213
Ion Ratio Lower Upper
95 100
174 74.6 0.0 187.2
176 72.9 0.0 181.4



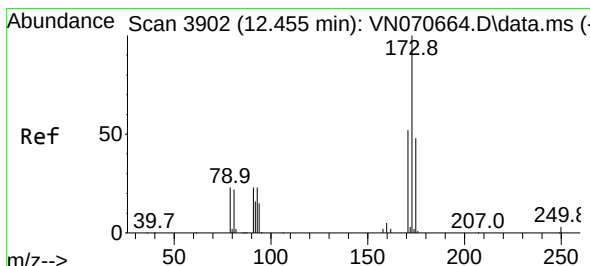
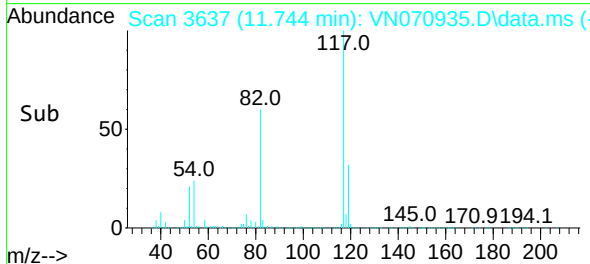
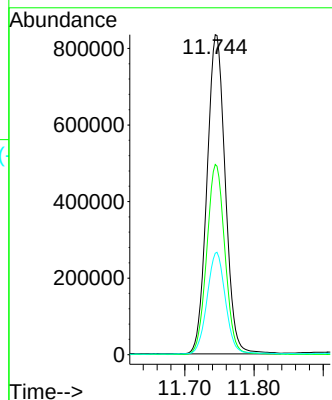


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

Instrument :
MSVOA_N
ClientSampleId :

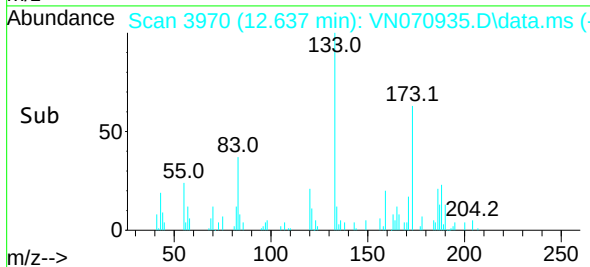
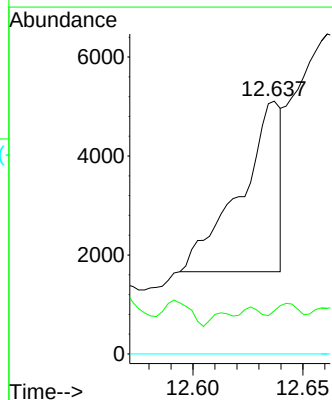
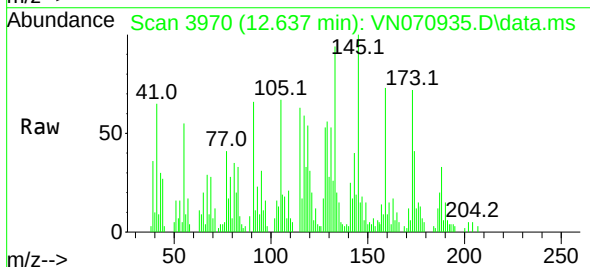


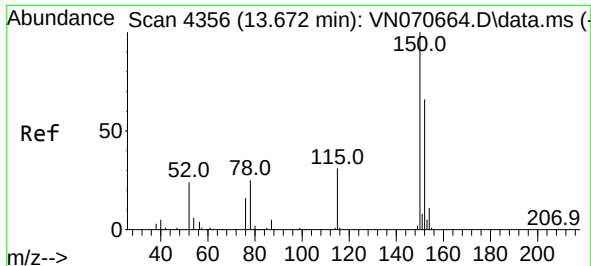
Tgt Ion:117 Resp: 1529671
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 31.5 25.4 38.2



#71
Bromoform
Concen: 0.484 ug/l
RT: 12.637 min Scan# 3970
Delta R.T. 0.180 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

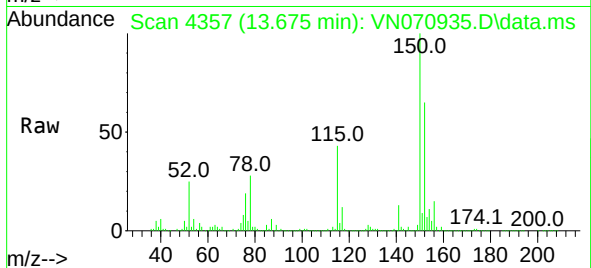
Tgt Ion:173 Resp: 4466
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



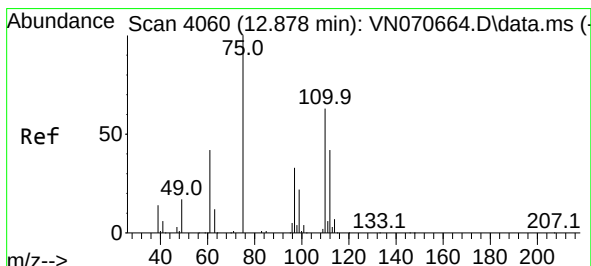
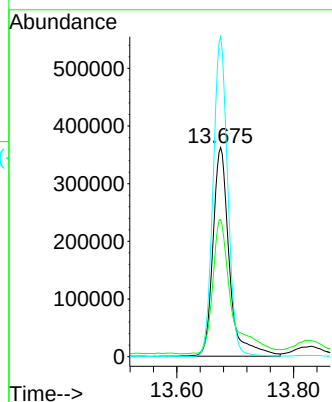
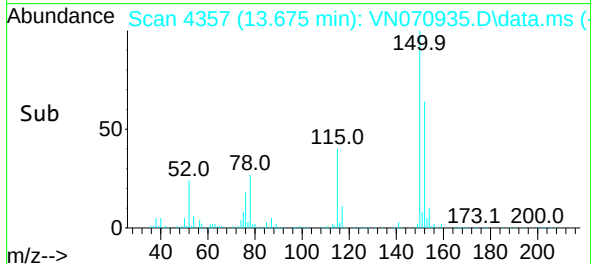


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070935.D
 Acq: 3 Feb 2022 17:25

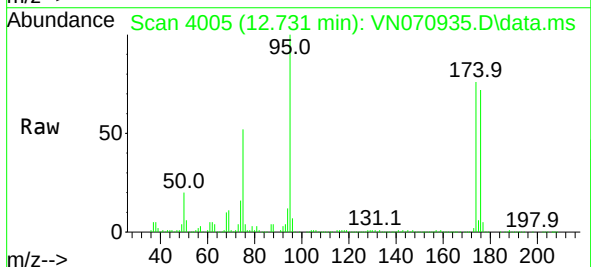
Instrument :
 MSVOA_N
 ClientSampleId :



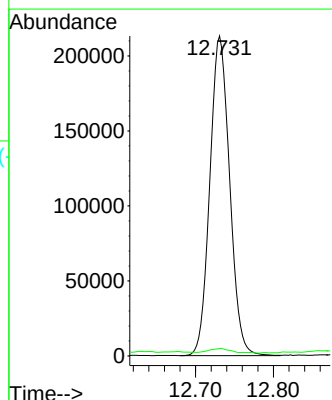
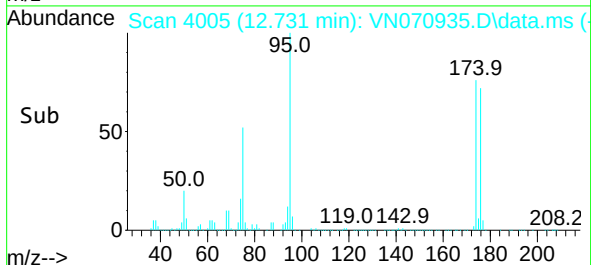
Tgt Ion:152 Resp: 704476
 Ion Ratio Lower Upper
 152 100
 115 74.3 27.5 82.5
 150 136.6 0.0 344.4

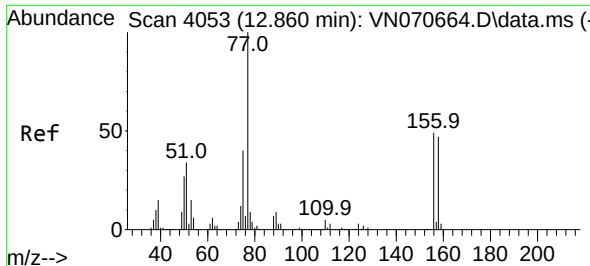


#76
 1,2,3-Trichloropropane
 Concen: 22.177 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.147 min
 Lab File: VN070935.D
 Acq: 3 Feb 2022 17:25



Tgt Ion: 75 Resp: 376052
 Ion Ratio Lower Upper
 75 100
 77 1.4 82.6 247.8#

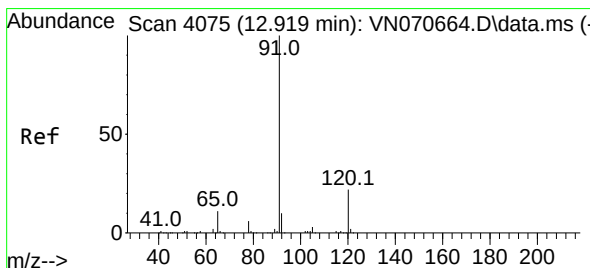
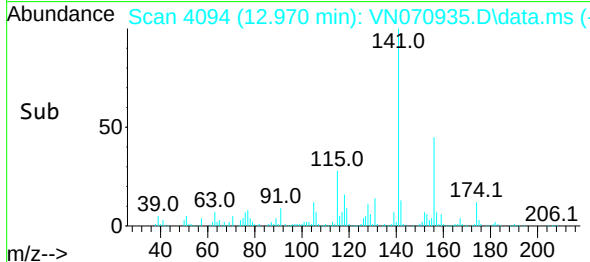
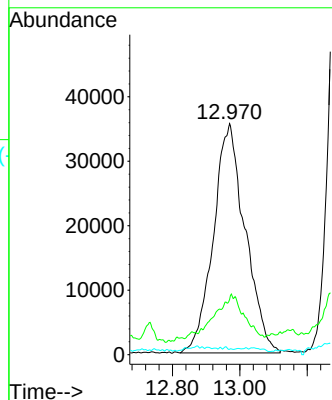
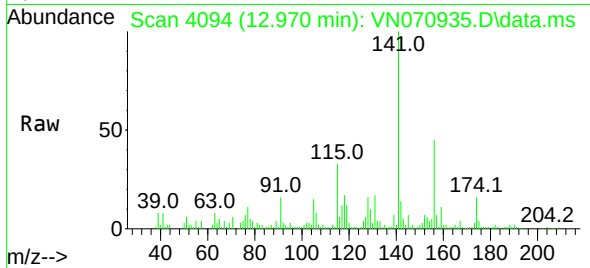




#77
Bromobenzene
Concen: 15.801 ug/l
RT: 12.970 min Scan# 4053
Delta R.T. 0.110 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

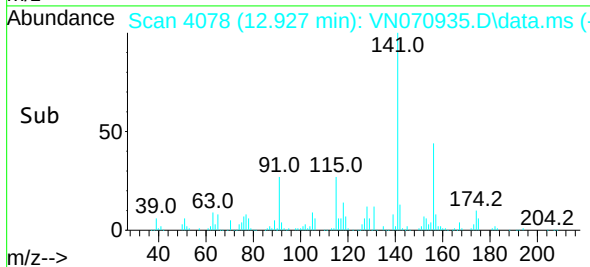
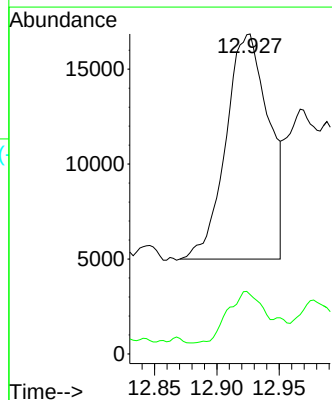
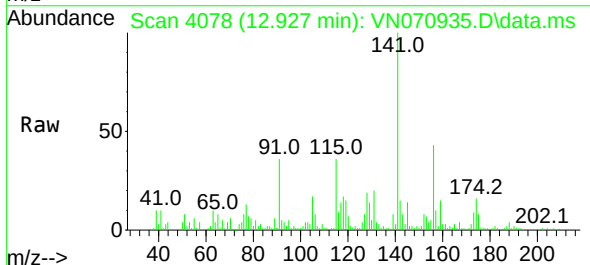
Instrument :
MSVOA_N
ClientSampleId :

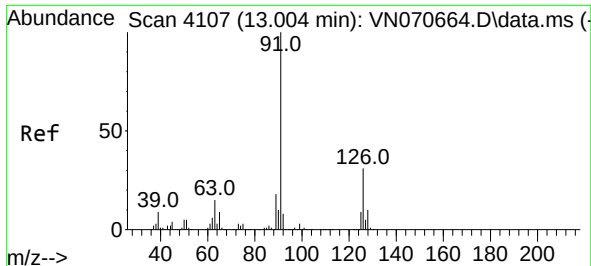
Tgt Ion:156 Resp: 232824
Ion Ratio Lower Upper
156 100
77 0.0 90.6 271.8#
158 0.1 48.9 146.7#



#78
n-propylbenzene
Concen: 0.405 ug/l
RT: 12.927 min Scan# 4078
Delta R.T. 0.008 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

Tgt Ion: 91 Resp: 28394
Ion Ratio Lower Upper
91 100
120 19.2 11.9 35.9

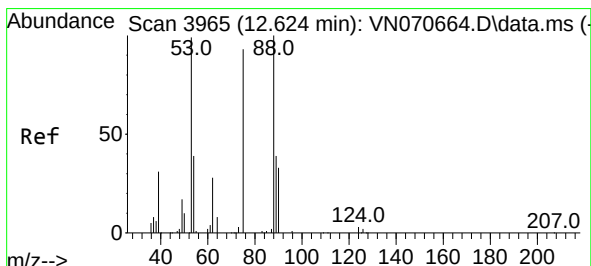
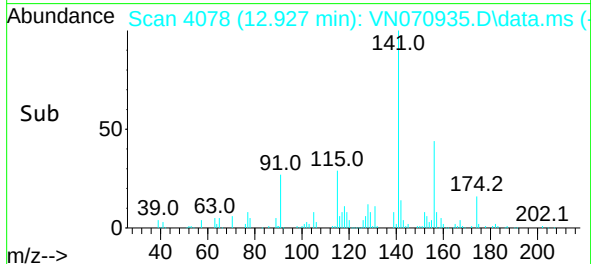
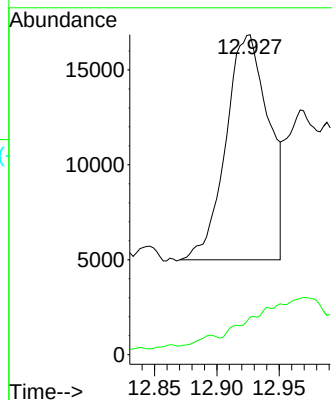
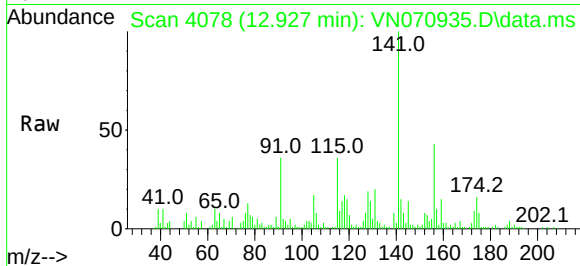




#79
2-Chlorotoluene
Concen: 0.651 ug/l
RT: 12.927 min Scan# 4005
Delta R.T. -0.080 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

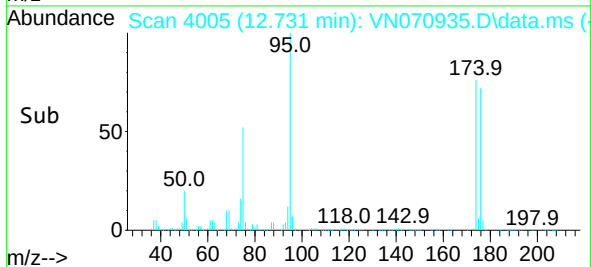
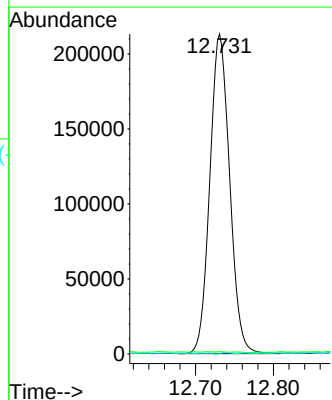
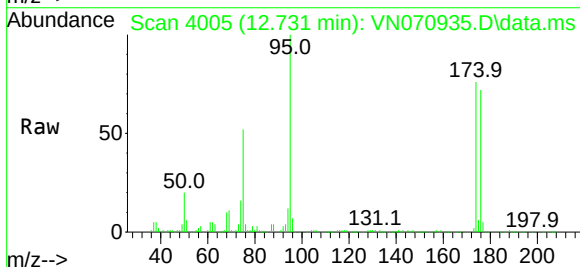
Instrument :
MSVOA_N
ClientSampleId :

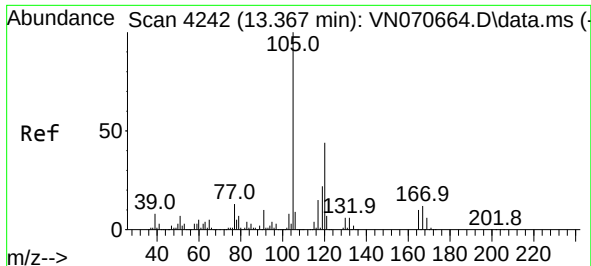
Tgt Ion: 91 Resp: 28394
Ion Ratio Lower Upper
91 100
126 0.0 18.3 54.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.115 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

Tgt Ion: 75 Resp: 376052
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.2 38.2 57.4#

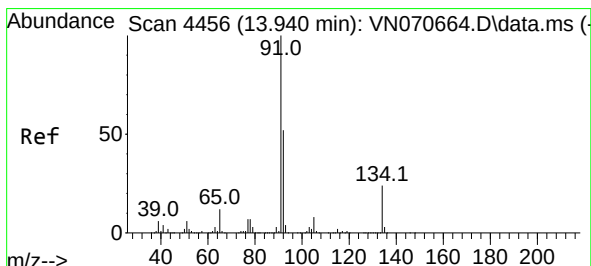
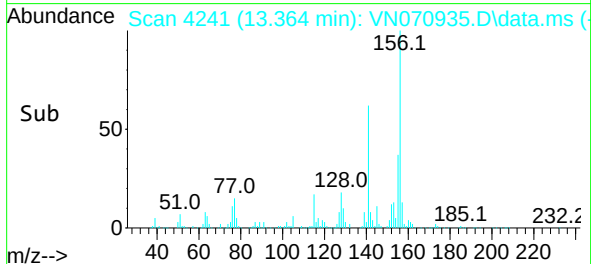
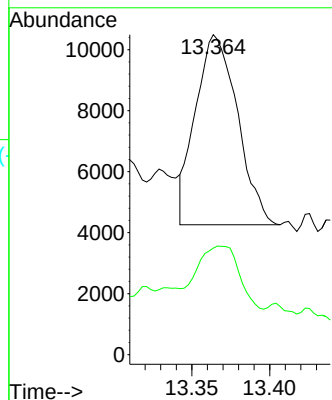
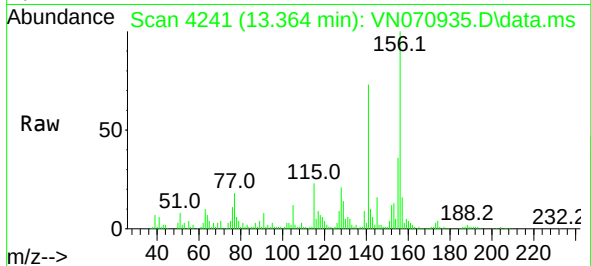




#84
1,2,4-Trimethylbenzene
Concen: 0.240 ug/l
RT: 13.364 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

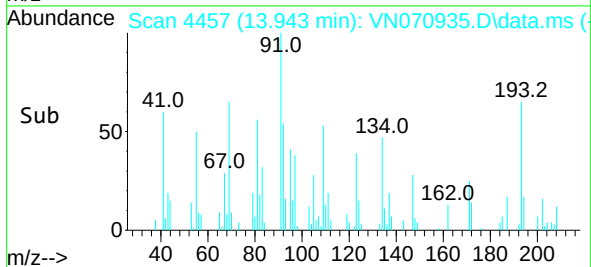
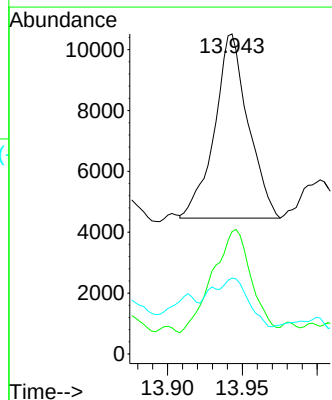
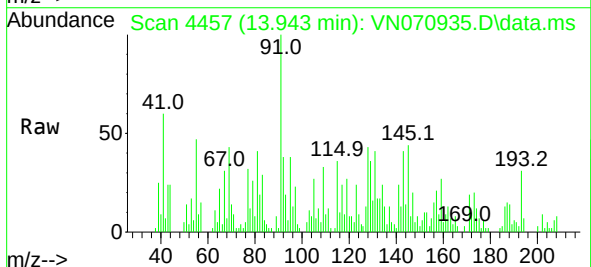
Instrument :
MSVOA_N
ClientSampleId :

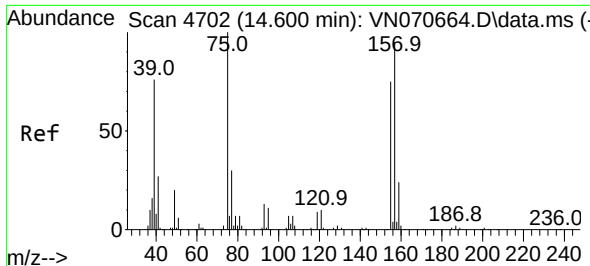
Tgt Ion:105 Resp: 11672
Ion Ratio Lower Upper
105 100
120 32.5 22.8 68.4



#89
n-Butylbenzene
Concen: 0.224 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.002 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

Tgt Ion: 91 Resp: 9478
Ion Ratio Lower Upper
91 100
92 64.2 25.4 76.0
134 3.5 13.6 40.8#

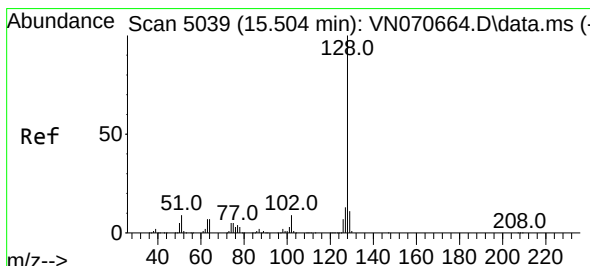
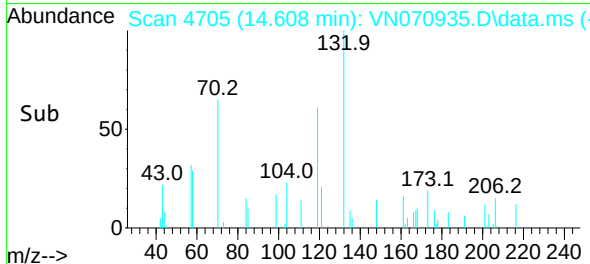
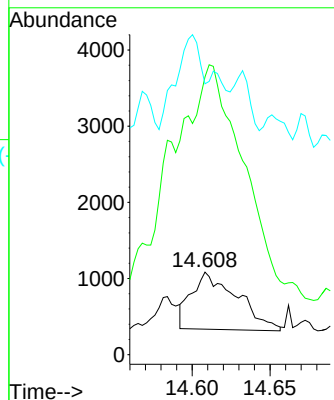
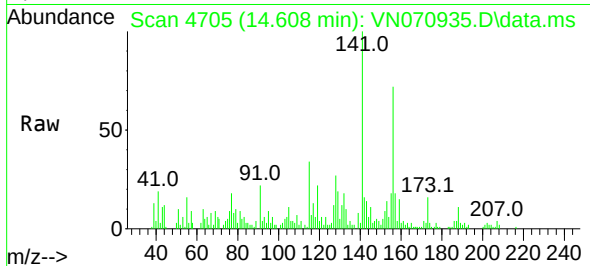




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.394 ug/l
RT: 14.608 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

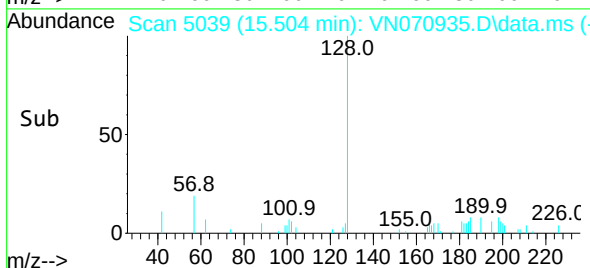
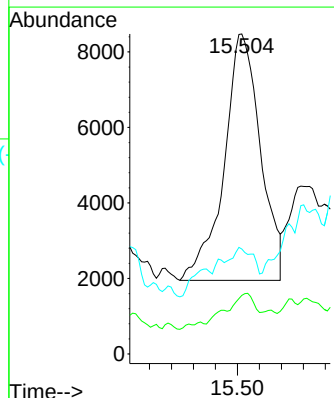
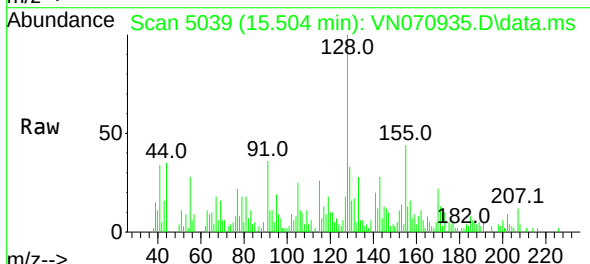
Instrument :
MSVOA_N
ClientSampleId :

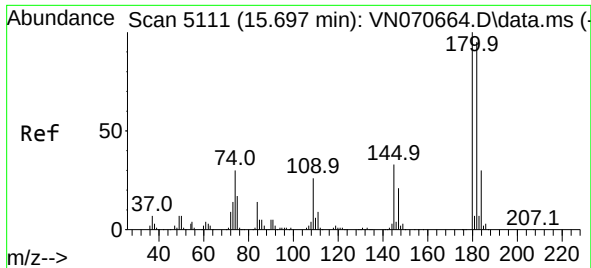
Tgt Ion: 75 Resp: 1521
Ion Ratio Lower Upper
75 100
155 668.9 46.9 140.7#
157 95.5 60.6 181.7



#95
Naphthalene
Concen: 3.923 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070935.D
Acq: 3 Feb 2022 17:25

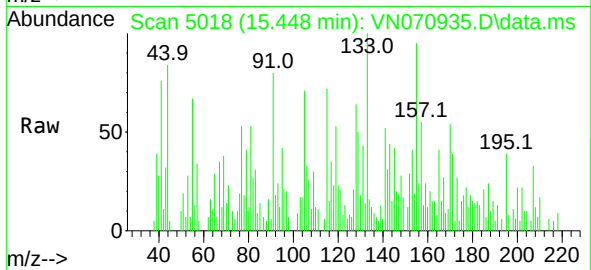
Tgt Ion:128 Resp: 15058
Ion Ratio Lower Upper
128 100
127 9.3 10.5 15.7#
129 5.1 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.758 ug/l
 RT: 15.448 min Scan# 50
 Delta R.T. -0.252 min
 Lab File: VN070935.D
 Acq: 3 Feb 2022 17:25

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 729

Ion	Ratio	Lower	Upper
180	100		
182	68.3	47.4	142.2
145	18.9	15.0	45.1

