

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070401.D
 Acq On : 30 Dec 2021 15:58
 Operator : JC/MD
 Sample : M5212-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB122121

Quant Time: Dec 31 05:20:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	908620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1557949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1386422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	447784	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	697417	53.384	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	106.760%
35) Dibromofluoromethane	8.024	113	492216	52.217	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.440%
50) Toluene-d8	10.443	98	1879184	48.800	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.600%
62) 4-Bromofluorobenzene	12.733	95	648384	46.619	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.240%

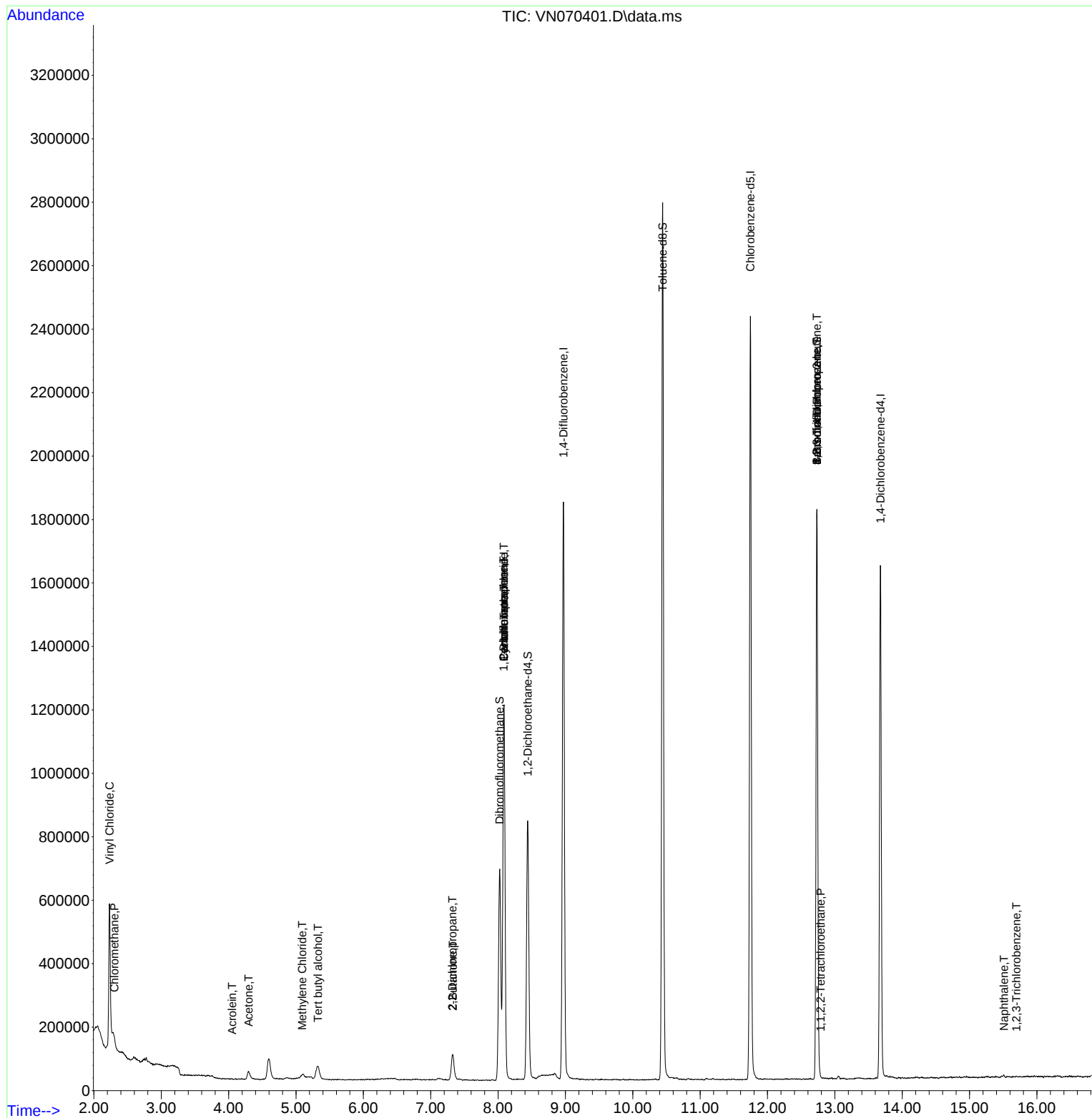
Target Compounds					Qvalue	
3) Chloromethane	2.303	50	3958	0.282	ug/l #	87
4) Vinyl Chloride	2.234	62	5088	0.399	ug/l #	1
11) Tert butyl alcohol	5.326	59	47303	21.746	ug/l #	73
13) Acrolein	4.052	56	453	0.257	ug/l	85
16) Acetone	4.296	43	43130	5.086	ug/l	98
20) Methylene Chloride	5.093	84	7175	0.611	ug/l	95
25) 2-Butanone	7.329	43	3373	0.316	ug/l	100
26) 2,2-Dichloropropane	7.321	77	5487	0.328	ug/l #	52
31) Cyclohexane	8.086	56	21436	1.040	ug/l #	10
36) 1,1-Dichloropropene	8.083	75	75992	4.873	ug/l #	48
38) Carbon Tetrachloride	8.088	117	90314	6.065	ug/l #	16
71) Bromoform	12.733	173	3504	0.450	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.790	83	27	0.449	ug/l #	25
76) 1,2,3-Trichloropropane	12.733	75	344404	27.293	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	344404	93.970	ug/l #	5
95) Naphthalene	15.509	128	6307	2.095	ug/l	98
96) 1,2,3-Trichlorobenzene	15.694	180	609	0.911	ug/l	68

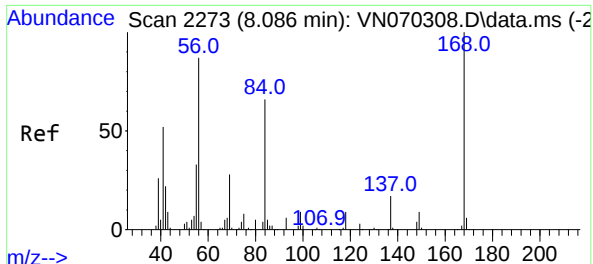
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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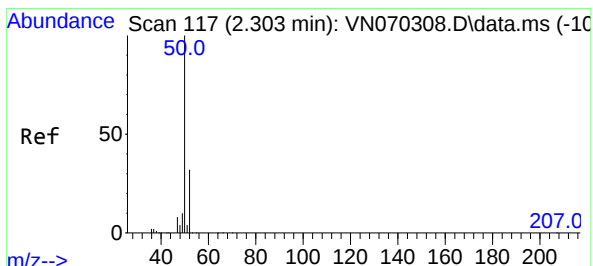
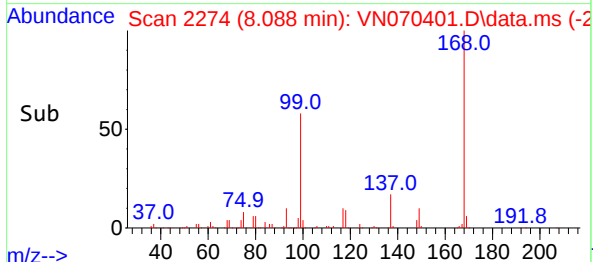
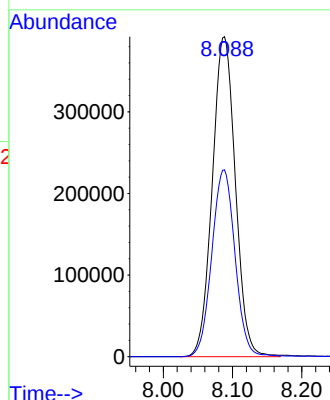
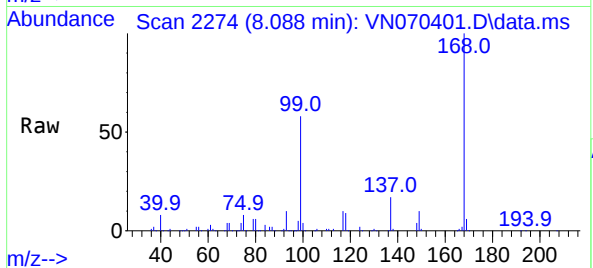




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

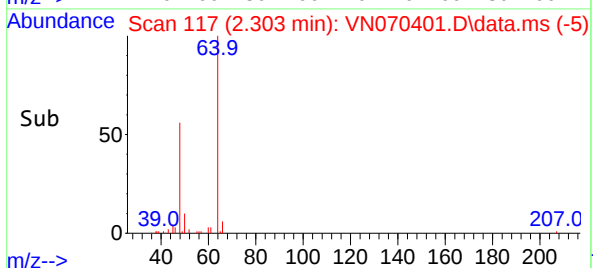
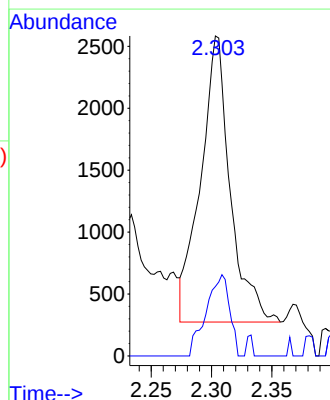
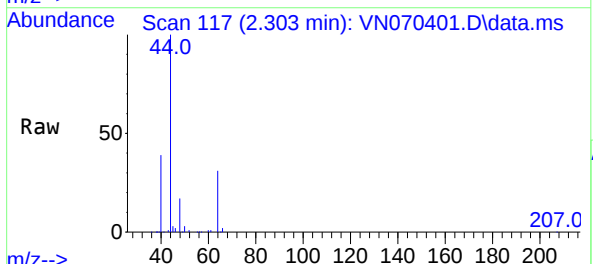
Instrument :
MSVOA_N
ClientSampleId :
FB122121

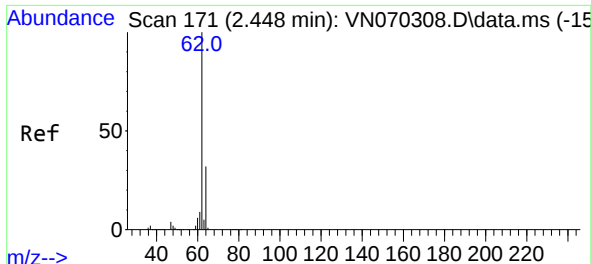
Tgt Ion:168 Resp: 908620
Ion Ratio Lower Upper
168 100
99 58.4 41.3 61.9



#3
Chloromethane
Concen: 0.282 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

Tgt Ion: 50 Resp: 3958
Ion Ratio Lower Upper
50 100
52 24.3 25.4 38.0#

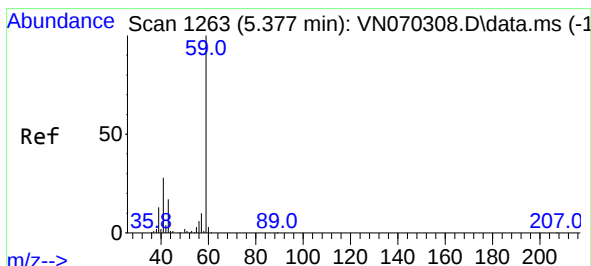
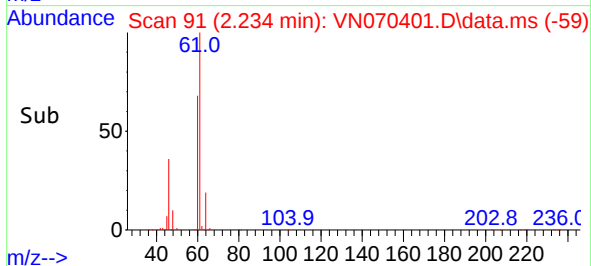
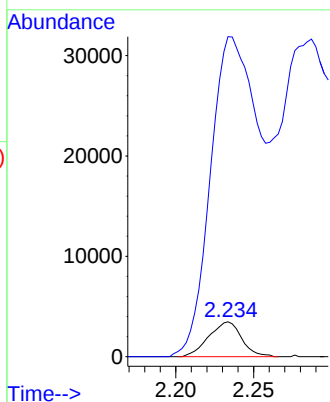
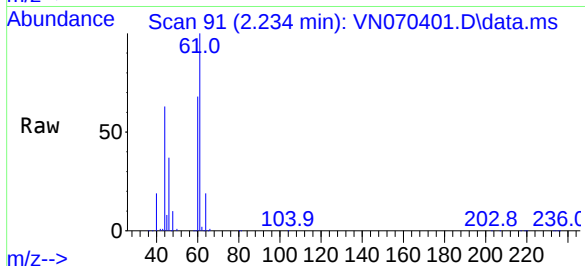




#4
 Vinyl Chloride
 Concen: 0.399 ug/l
 RT: 2.234 min Scan# 91
 Delta R.T. -0.214 min
 Lab File: VN070401.D
 Acq: 30 Dec 2021 15:58

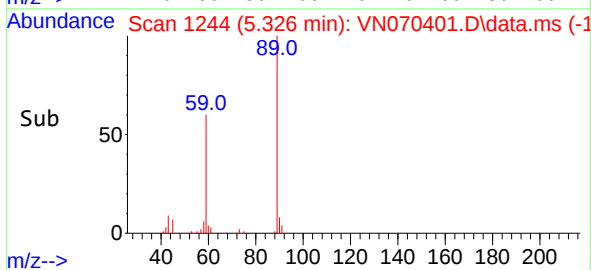
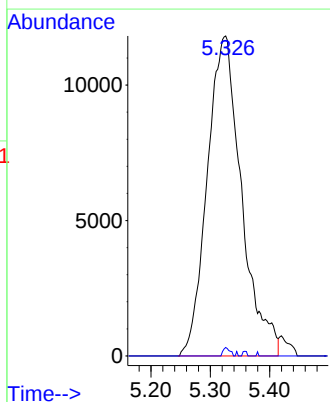
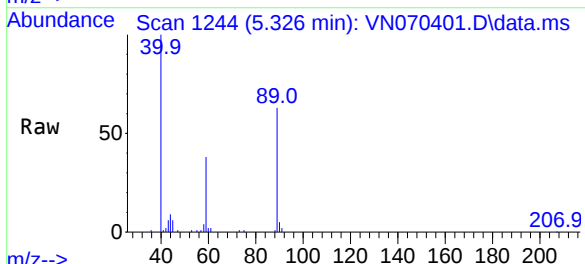
Instrument :
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 ClientSampleId :
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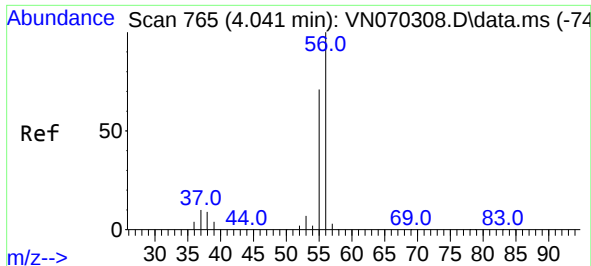
Tgt Ion: 62 Resp: 5088
 Ion Ratio Lower Upper
 62 100
 64 904.4 25.8 38.6#



#11
 Tert butyl alcohol
 Concen: 21.746 ug/l
 RT: 5.326 min Scan# 1244
 Delta R.T. -0.051 min
 Lab File: VN070401.D
 Acq: 30 Dec 2021 15:58

Tgt Ion: 59 Resp: 47303
 Ion Ratio Lower Upper
 59 100
 57 0.5 8.7 13.1#

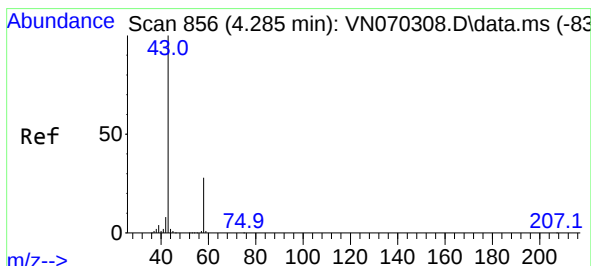
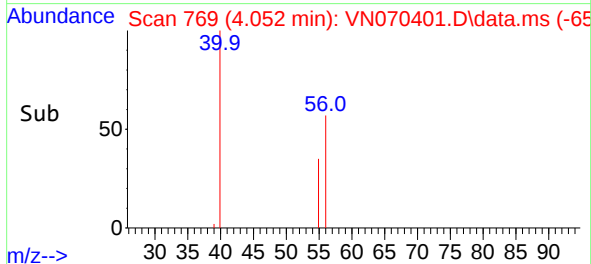
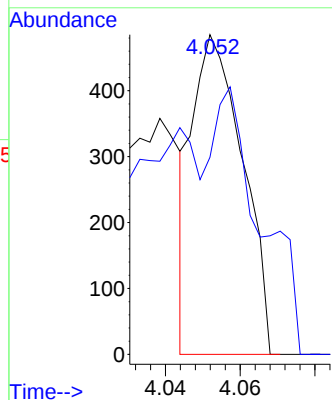
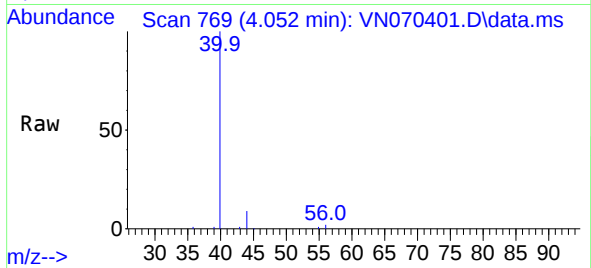




#13
Acrolein
Concen: 0.257 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.011 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

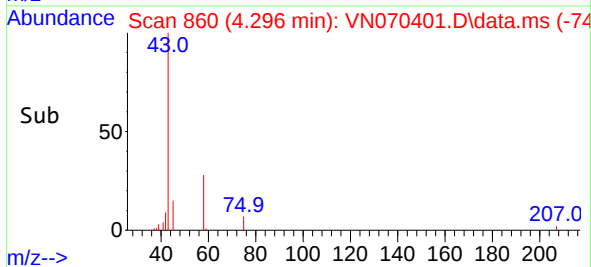
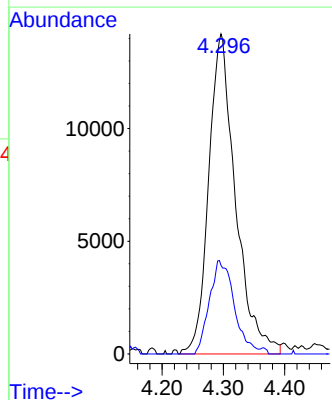
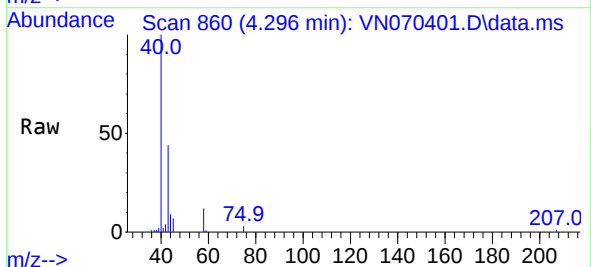
Instrument :
MSVOA_N
ClientSampleId :
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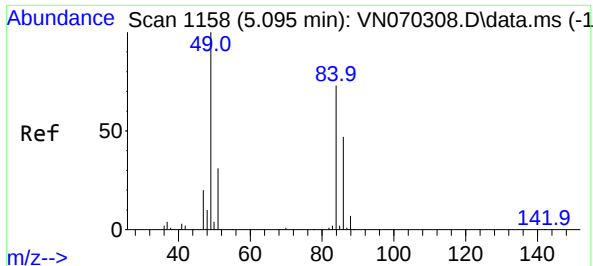
Tgt Ion: 56 Resp: 453
Ion Ratio Lower Upper
56 100
55 83.2 56.6 85.0



#16
Acetone
Concen: 5.086 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

Tgt Ion: 43 Resp: 43130
Ion Ratio Lower Upper
43 100
58 27.7 23.1 34.7



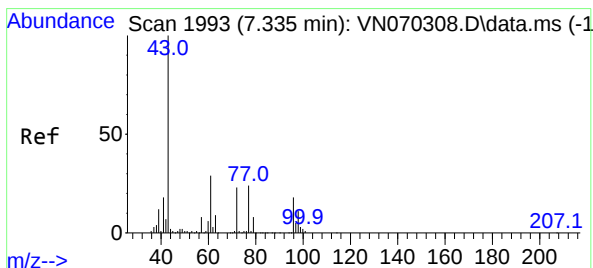
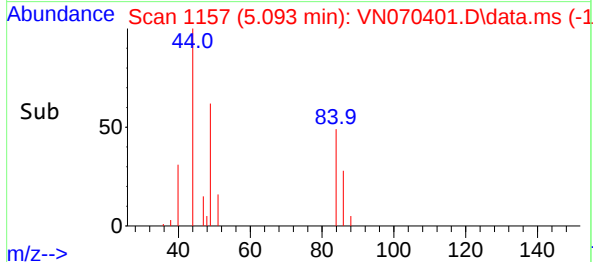
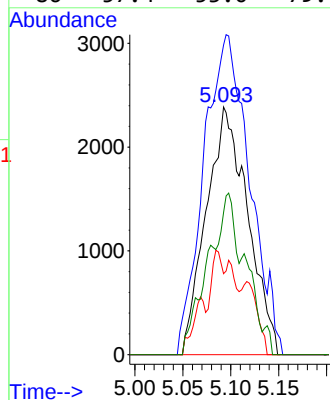
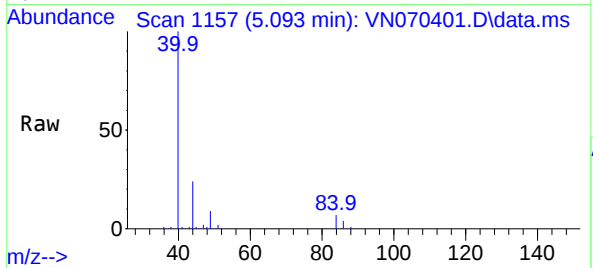


#20
Methylene Chloride
Concen: 0.611 ug/l
RT: 5.093 min Scan# 1158
Delta R.T. -0.002 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

Instrument :
MSVOA_N
ClientSampleId :
FB122121

Tgt Ion: 84 Resp: 7175

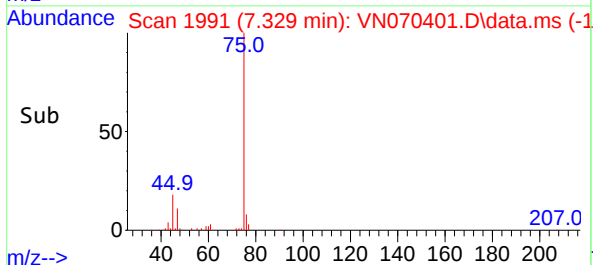
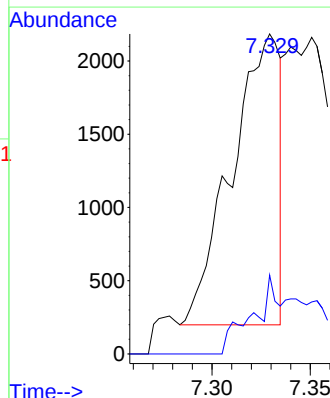
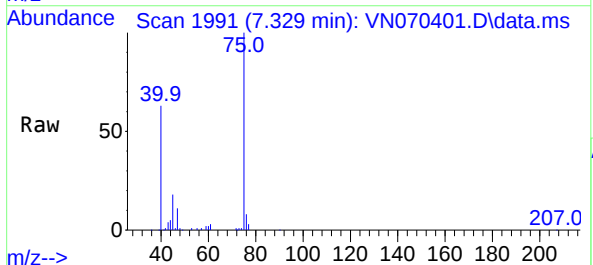
Ion	Ratio	Lower	Upper
84	100		
49	118.5	93.5	140.3
51	32.7	29.4	44.2
86	57.4	53.0	79.4

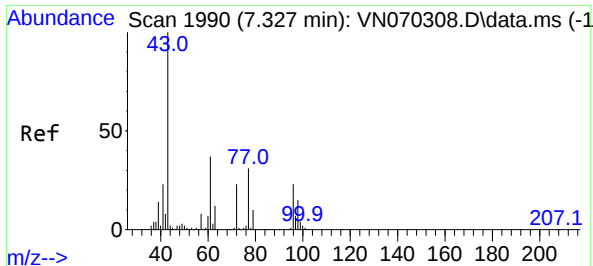


#25
2-Butanone
Concen: 0.316 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. -0.006 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

Tgt Ion: 43 Resp: 3373

Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.7	32.5





#26

2,2-Dichloropropane

Concen: 0.328 ug/l

RT: 7.321 min Scan# 1990

Delta R.T. -0.006 min

Lab File: VN070401.D

Acq: 30 Dec 2021 15:58

Instrument :

MSVOA_N

ClientSampleId :

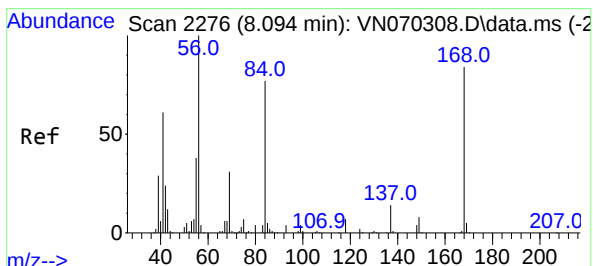
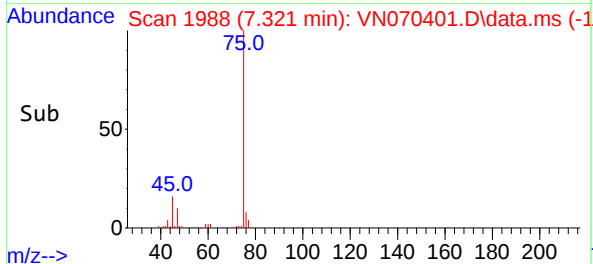
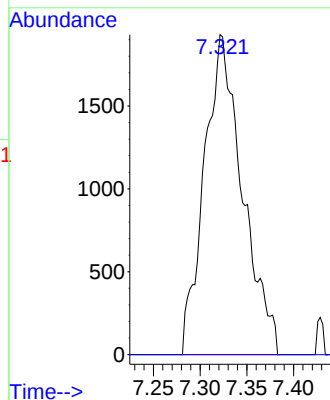
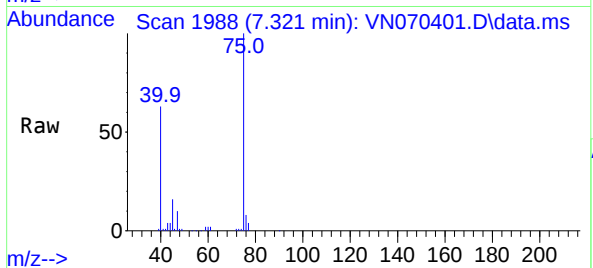
FB122121

Tgt Ion: 77 Resp: 5487

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#31

Cyclohexane

Concen: 1.040 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070401.D

Acq: 30 Dec 2021 15:58

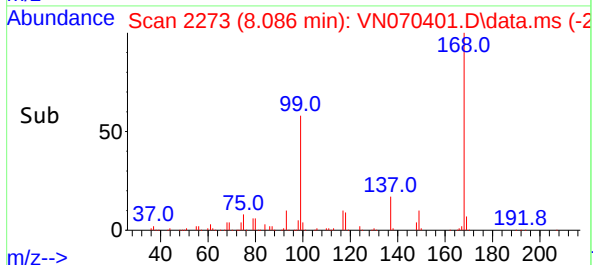
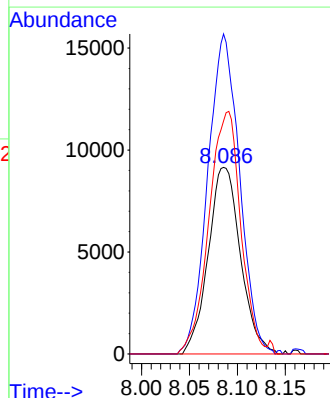
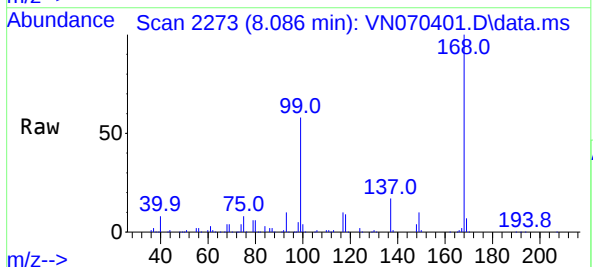
Tgt Ion: 56 Resp: 21436

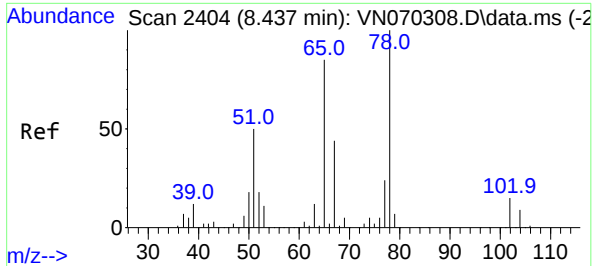
Ion Ratio Lower Upper

56 100

69 169.7 27.1 40.7#

84 124.9 73.4 110.0#

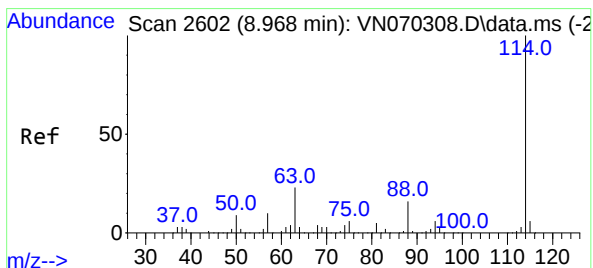
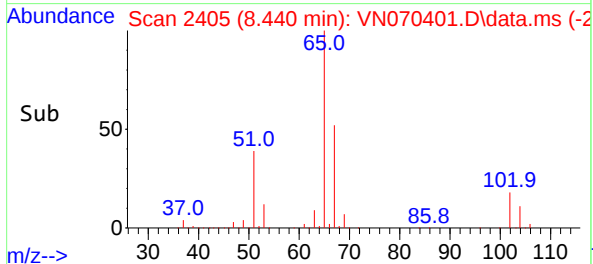
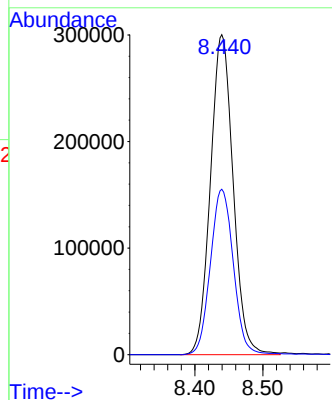
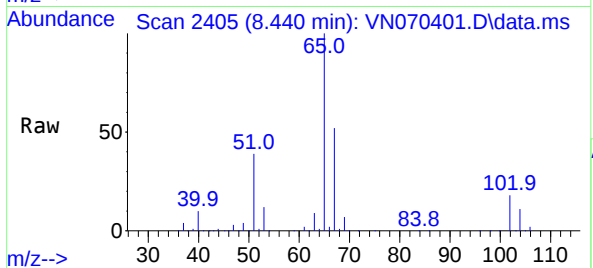




#33
1,2-Dichloroethane-d4
Concen: 53.384 ug/l
RT: 8.440 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

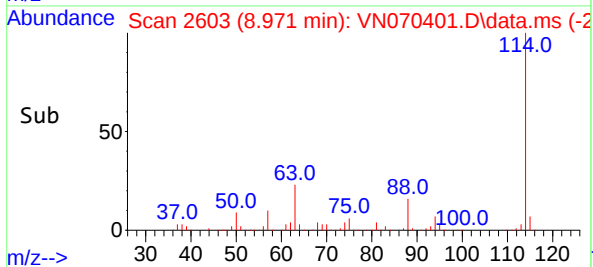
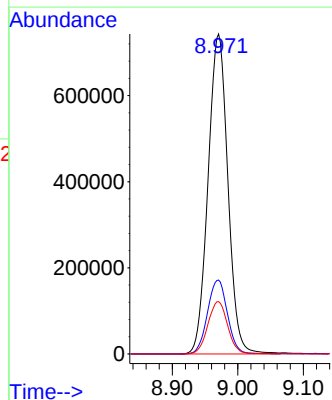
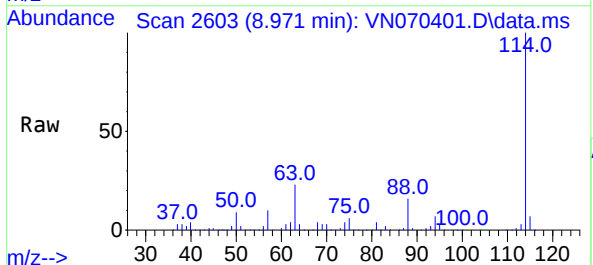
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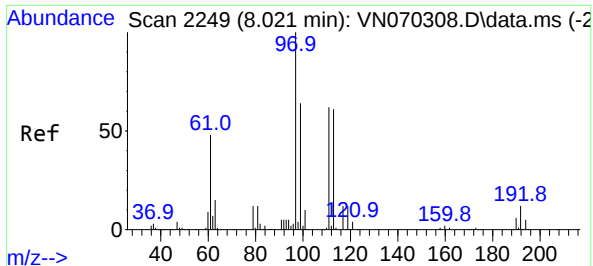
Tgt Ion: 65 Resp: 697417
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

Tgt Ion: 114 Resp: 1557949
Ion Ratio Lower Upper
114 100
63 23.1 0.0 37.8
88 16.3 0.0 27.4

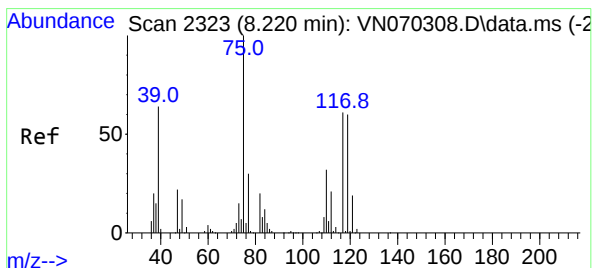
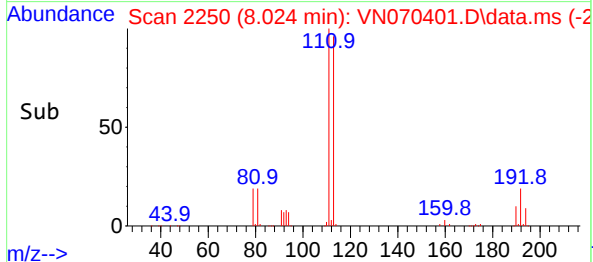
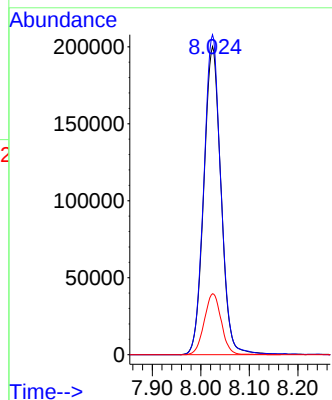
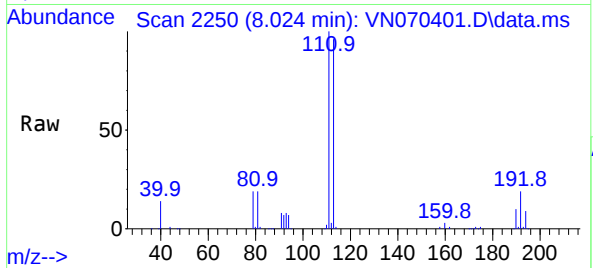




#35
Dibromofluoromethane
Concen: 52.217 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.003 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

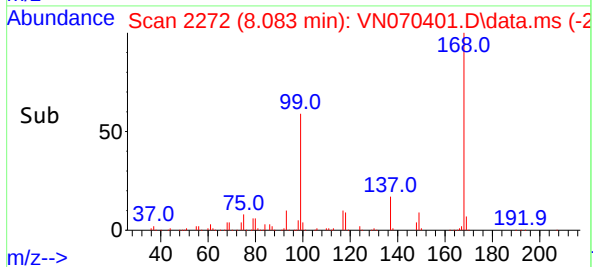
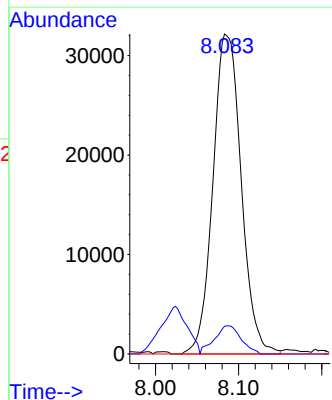
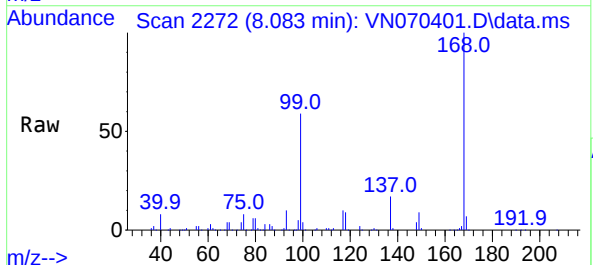
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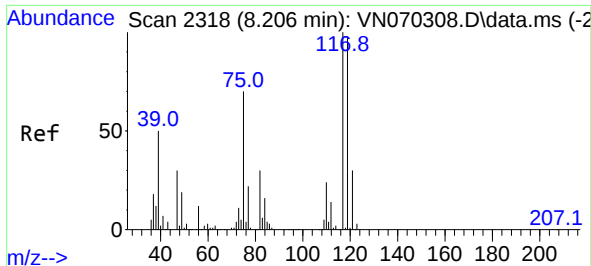
Tgt Ion:113 Resp: 492216
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.873 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

Tgt Ion: 75 Resp: 75992
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#

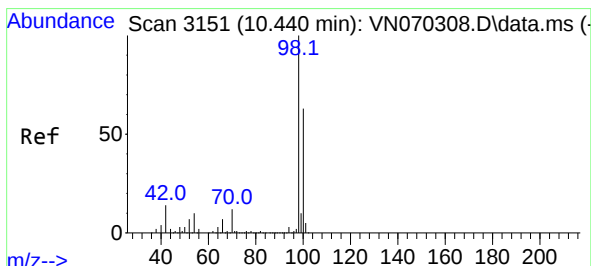
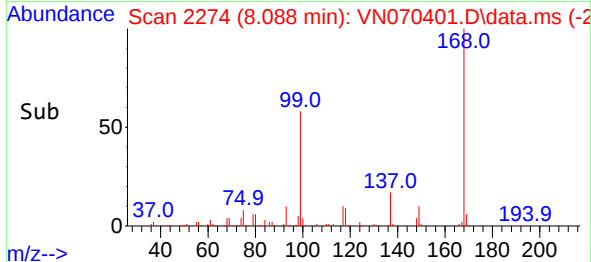
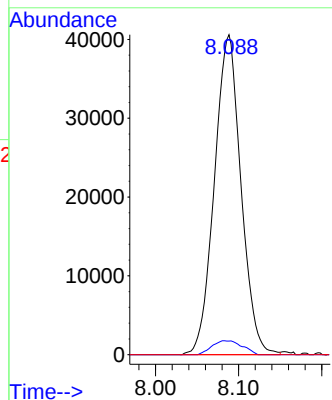
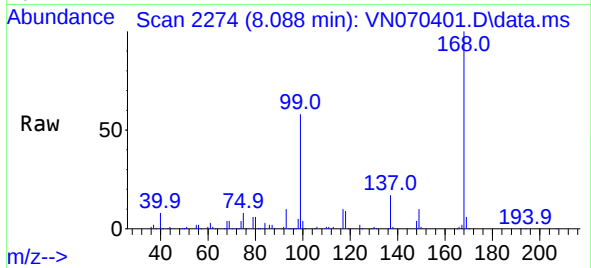




#38
Carbon Tetrachloride
Concen: 6.065 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

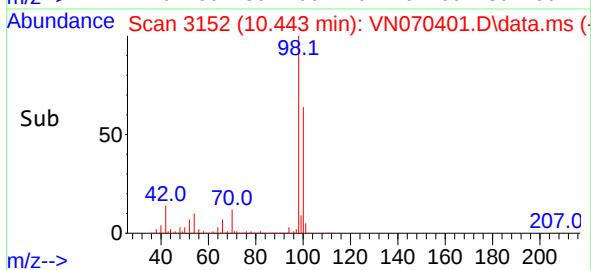
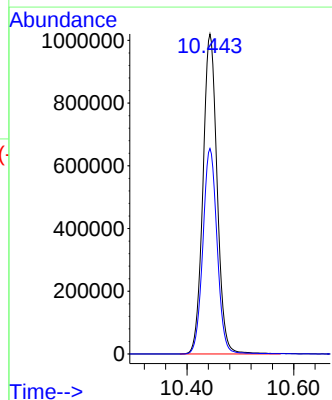
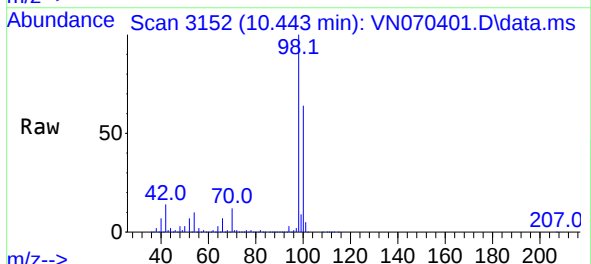
Instrument :
MSVOA_N
ClientSampleId :
FB122121

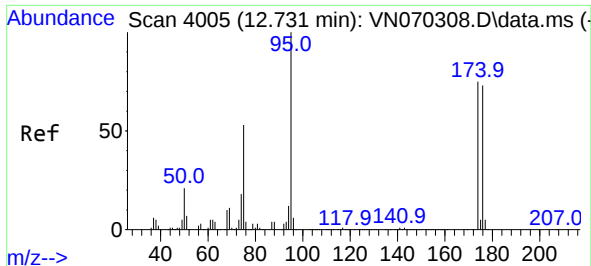
Tgt Ion:117 Resp: 90314
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.800 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

Tgt Ion: 98 Resp: 1879184
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6

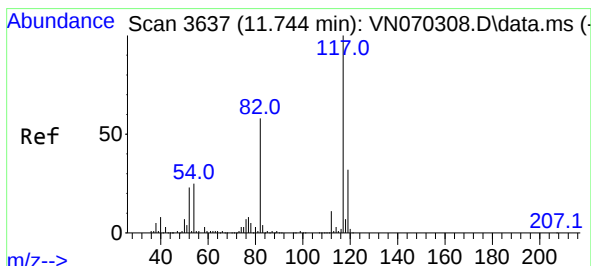
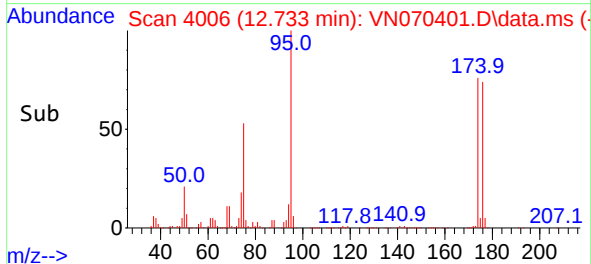
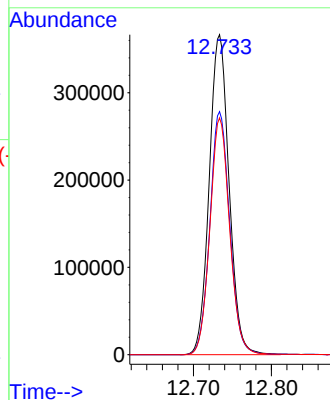
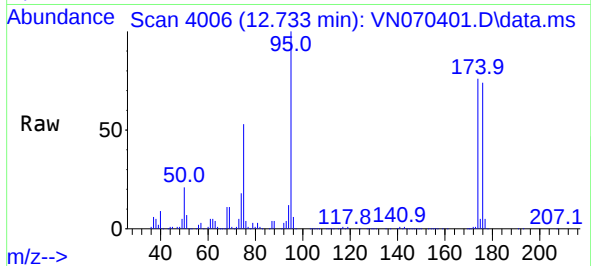




#62
4-Bromofluorobenzene
Concen: 46.619 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

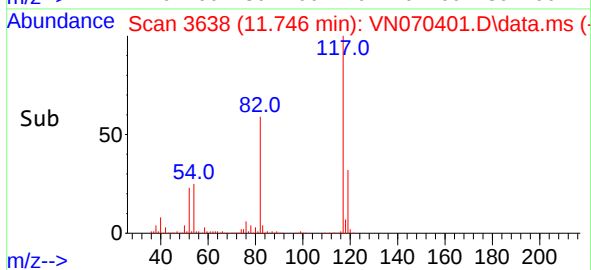
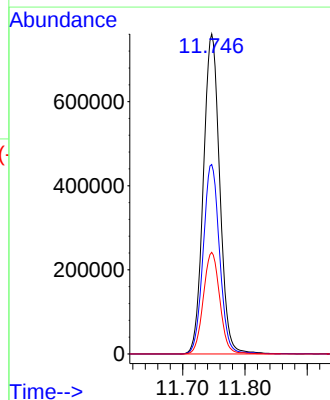
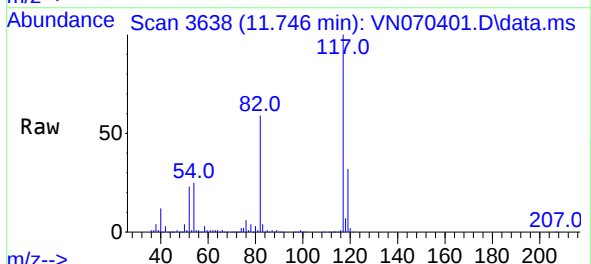
Instrument :
MSVOA_N
ClientSampleId :
FB122121

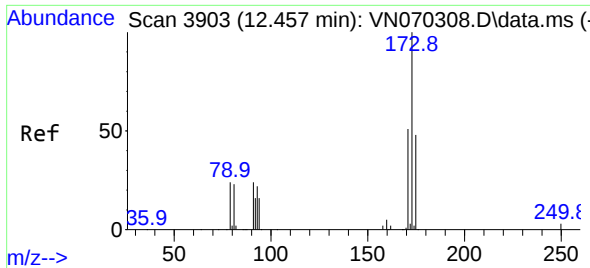
Tgt Ion: 95 Resp: 648384
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 73.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.002 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

Tgt Ion: 117 Resp: 1386422
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 31.7 25.4 38.2

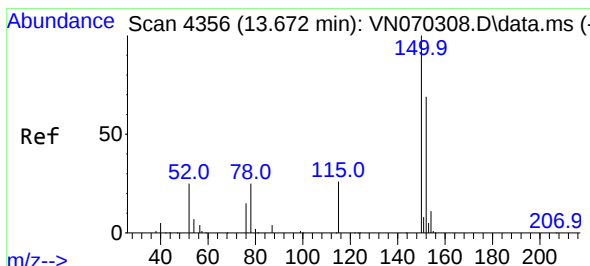
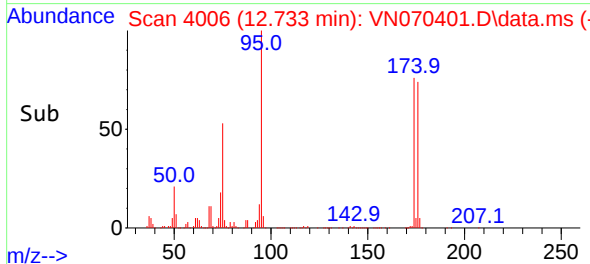
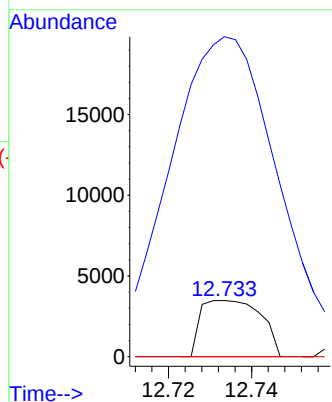
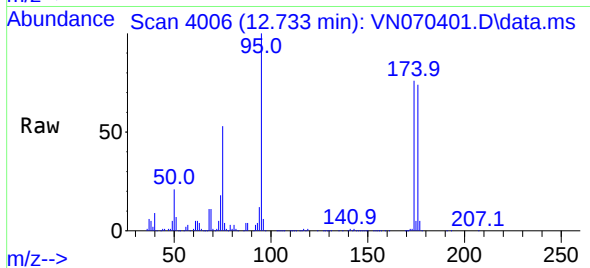




#71
Bromoform
Concen: 0.450 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.276 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

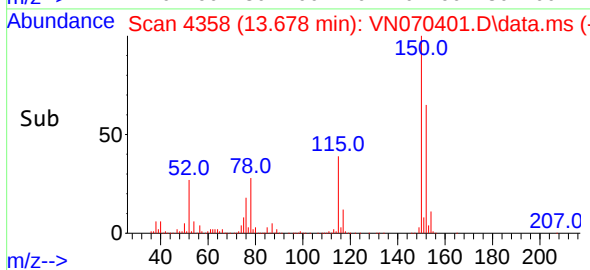
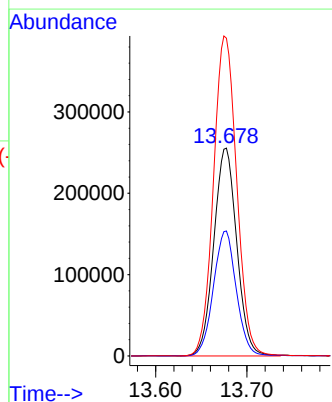
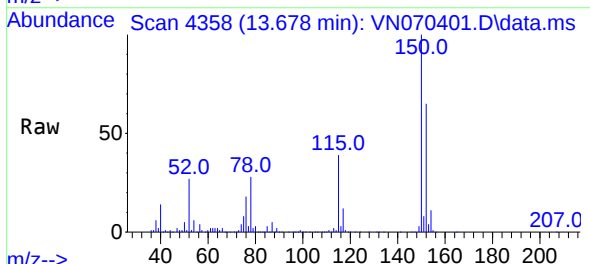
Instrument :
MSVOA_N
ClientSampleId :
FB122121

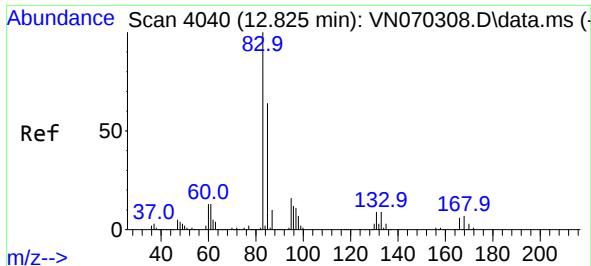
Tgt Ion:173 Resp: 3504
Ion Ratio Lower Upper
173 100
175 932.7 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.006 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

Tgt Ion:152 Resp: 447784
Ion Ratio Lower Upper
152 100
115 59.6 27.5 82.5
150 155.7 0.0 344.4

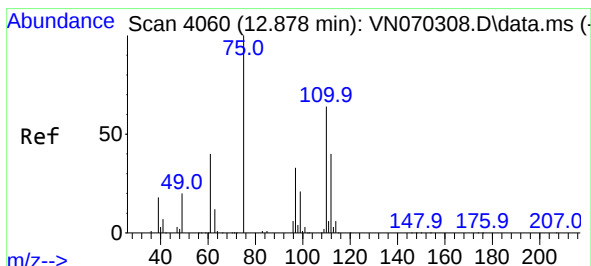
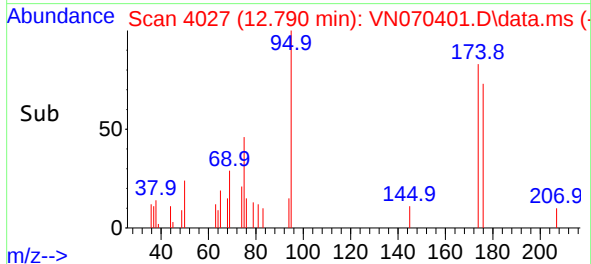
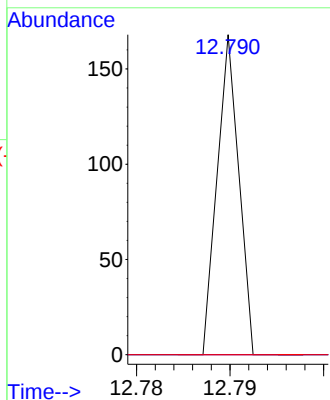
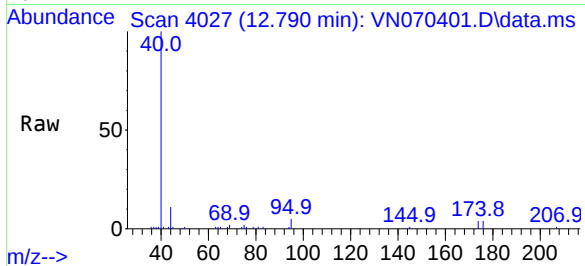




#75
1,1,2,2-Tetrachloroethane
Concen: 0.449 ug/l
RT: 12.790 min Scan# 4040
Delta R.T. -0.035 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

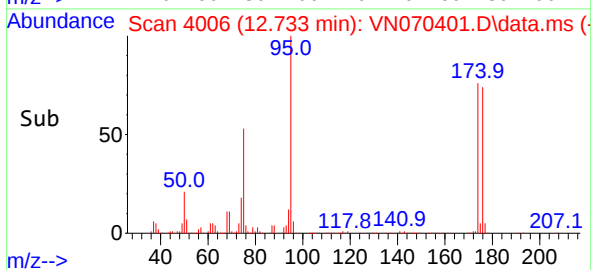
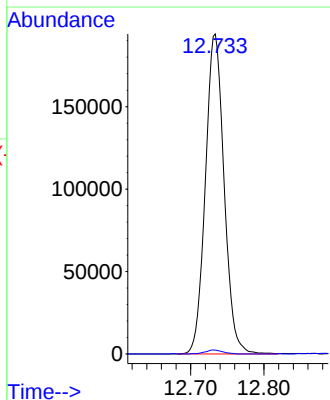
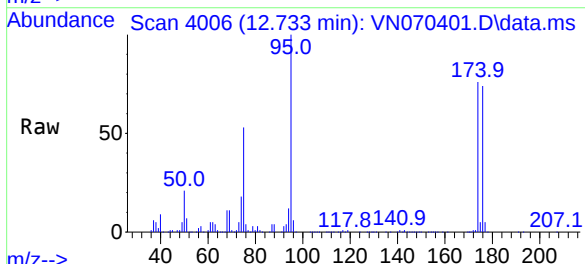
Instrument :
MSVOA_N
ClientSampleId :
FB122121

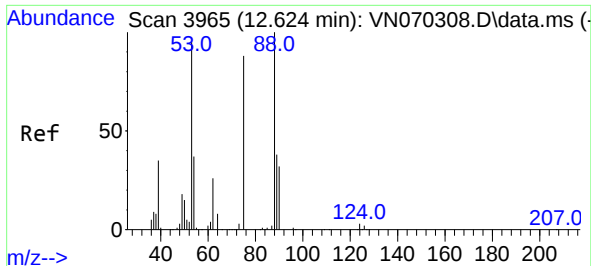
Tgt Ion: 83 Resp: 27
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.293 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.145 min
Lab File: VN070401.D
Acq: 30 Dec 2021 15:58

Tgt Ion: 75 Resp: 344404
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

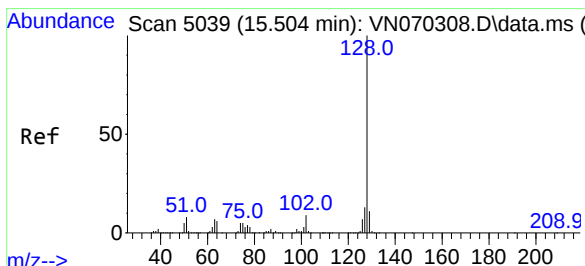
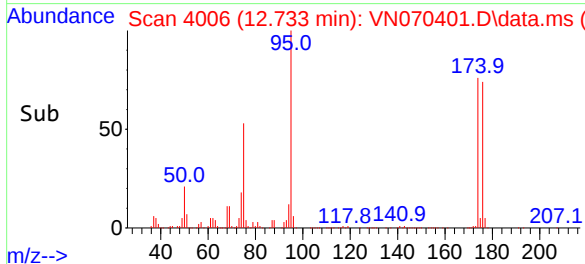
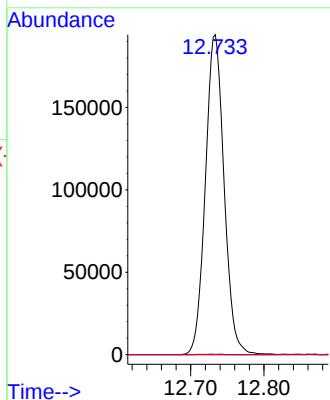
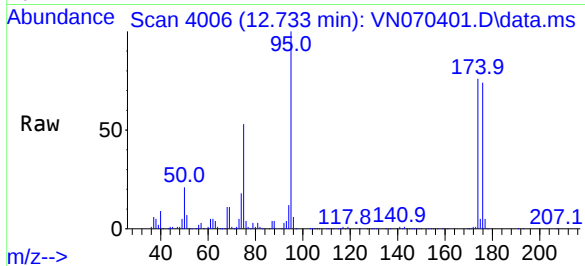




#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.970 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.109 min
 Lab File: VN070401.D
 Acq: 30 Dec 2021 15:58

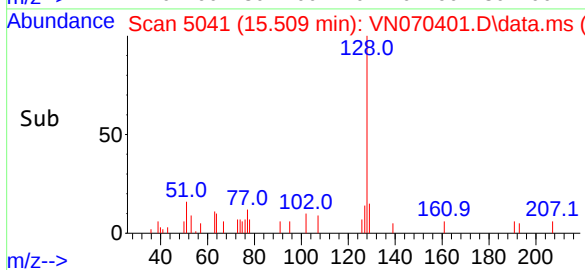
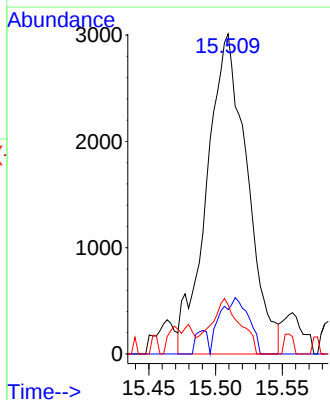
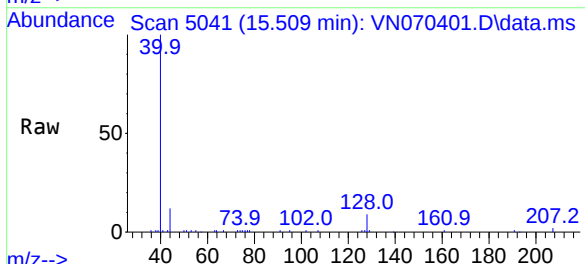
Instrument :
 MSVOA_N
 ClientSampleId :
 FB122121

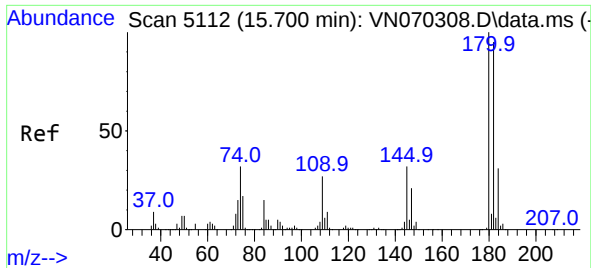
Tgt Ion: 75 Resp: 344404
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#



#95
 Naphthalene
 Concen: 2.095 ug/l
 RT: 15.509 min Scan# 5041
 Delta R.T. 0.005 min
 Lab File: VN070401.D
 Acq: 30 Dec 2021 15:58

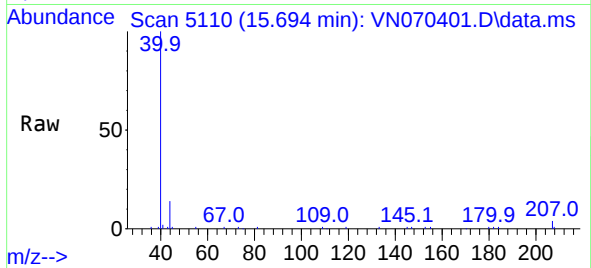
Tgt Ion: 128 Resp: 6307
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.5 15.7
 129 12.1 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.911 ug/l
 RT: 15.694 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN070401.D
 Acq: 30 Dec 2021 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 FB122121



Tgt Ion:	180	Resp:	609
Ion	Ratio	Lower	Upper
180	100		
182	128.9	47.4	142.2
145	41.9	15.0	45.1

