

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062421\
 Data File : VN067491.D
 Acq On : 24 Jun 2021 18:32
 Operator : JC/MD
 Sample : M2804-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP07-20210621

Quant Time: Jun 25 02:15:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 24 12:18:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	239935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	510141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	459806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	152576	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	244931	49.88	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.76%
35) Dibromofluoromethane	8.024	113	156000	49.64	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.28%
50) Toluene-d8	10.443	98	681101	50.81	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.62%
62) 4-Bromofluorobenzene	12.734	95	231001	48.37	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.74%

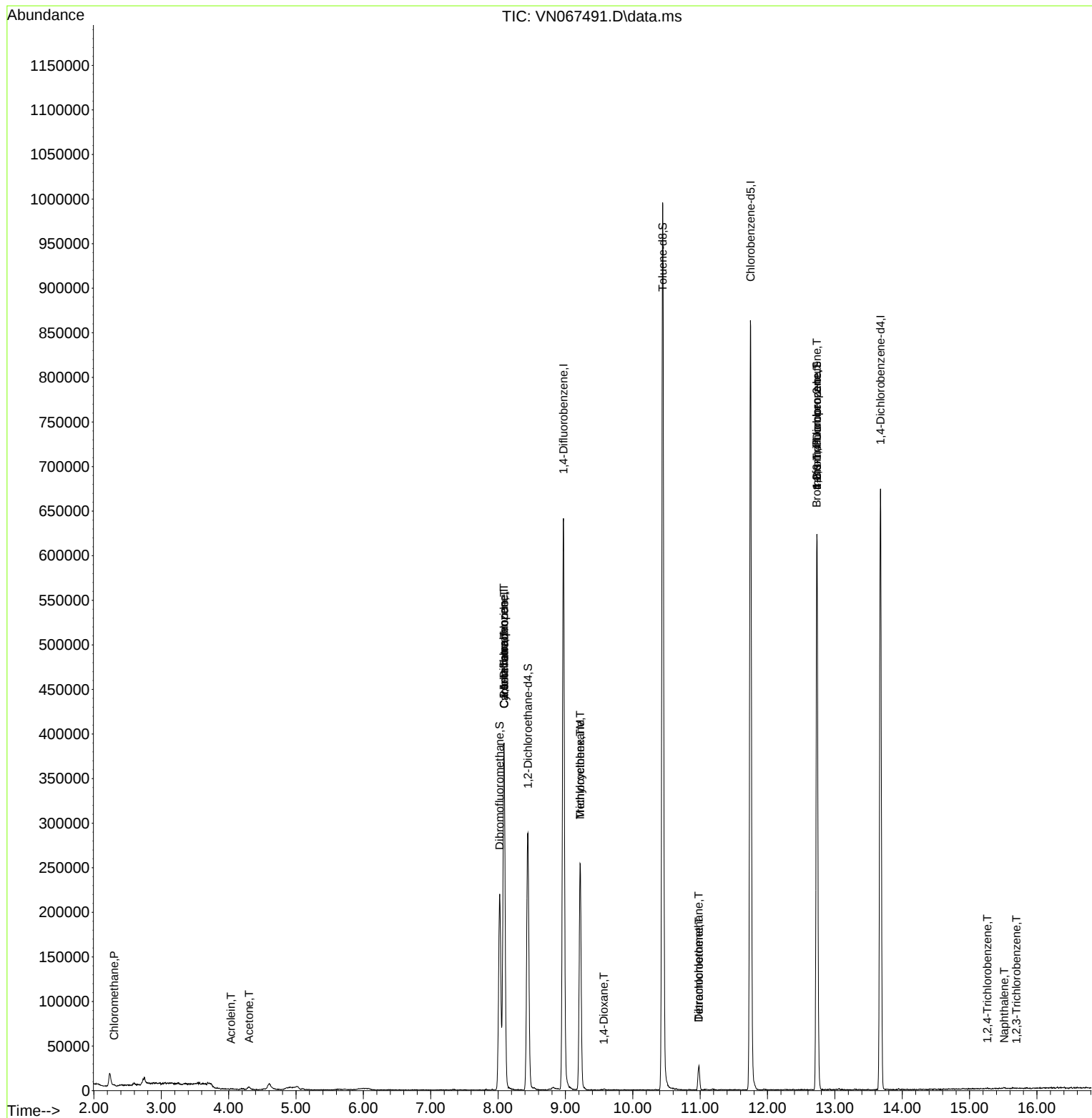
Target Compounds						Qvalue
3) Chloromethane	2.301	50	987	0.22	ug/l	90
13) Acrolein	4.036	56	481	0.71	ug/l #	62
16) Acetone	4.302	43	4335	2.31	ug/l	94
31) Cyclohexane	8.091	56	8884	1.13	ug/l #	2
36) 1,1-Dichloropropene	8.088	75	30027	5.22	ug/l #	52
38) Carbon Tetrachloride	8.091	117	32033	6.54	ug/l #	16
39) Methylcyclohexane	9.218	83	1359	0.21	ug/l #	1
44) Trichloroethene	9.220	130	78683	23.60	ug/l	93
49) 1,4-Dioxane	9.569	88	206	3.19	ug/l #	1
60) Dibromochloromethane	10.980	129	5718	3.45	ug/l #	11
64) Tetrachloroethene	10.982	164	5128	1.71	ug/l	90
71) Bromoform	12.731	173	395	2.81	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	139323	31.03	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	139323	84.89	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	107	2.37	ug/l #	62
95) Naphthalene	15.515	128	1260	3.47	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.697	180	105	2.57	ug/l #	73

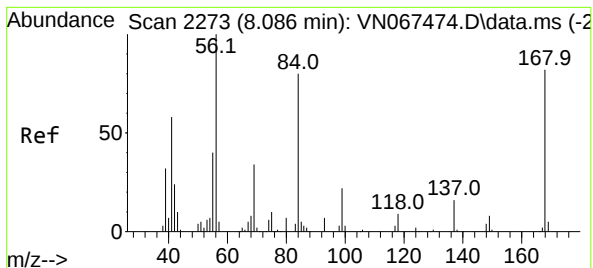
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067491.D

Acq: 24 Jun 2021 18:32

Tgt Ion:168 Resp: 239935

Ion Ratio Lower Upper

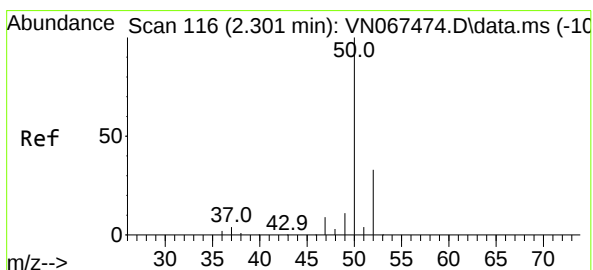
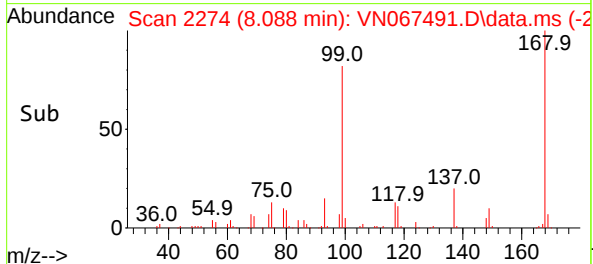
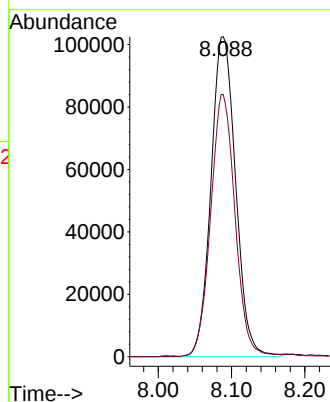
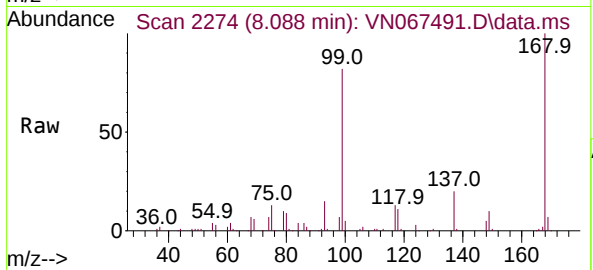
Ion	Ratio	Lower	Upper
168	100		
99	81.8	62.9	94.3

Instrument :

MSVOA_N

ClientSampleId :

DUP07-20210621



#3

Chloromethane

Concen: 0.22 ug/l

RT: 2.301 min Scan# 116

Delta R.T. -0.000 min

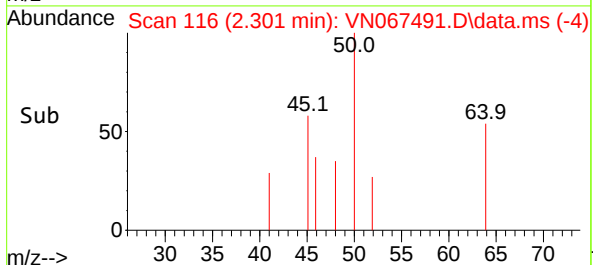
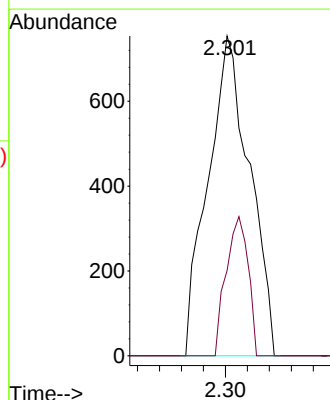
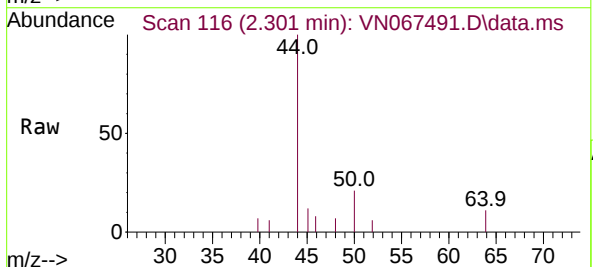
Lab File: VN067491.D

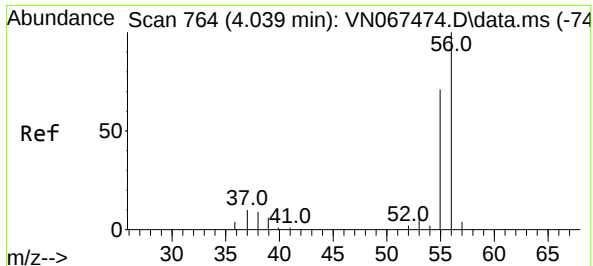
Acq: 24 Jun 2021 18:32

Tgt Ion: 50 Resp: 987

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
50	100		
52	26.7	25.6	38.4

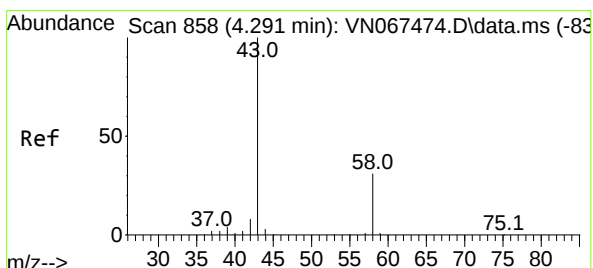
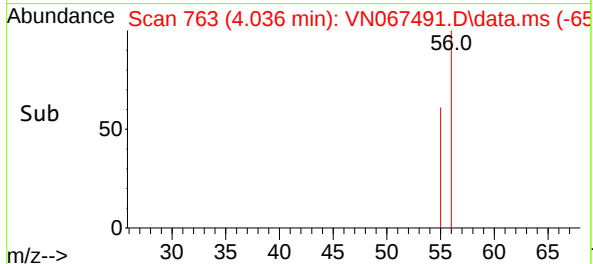
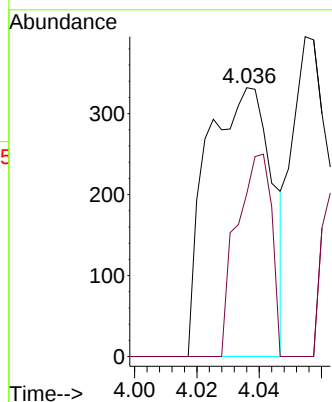
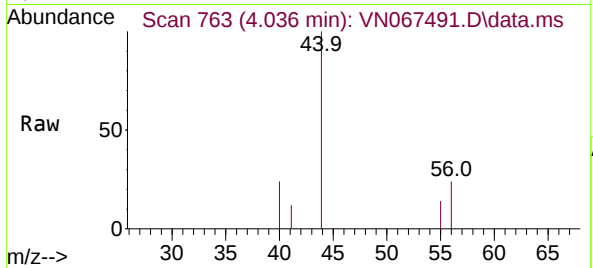




#13
Acrolein
Concen: 0.71 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

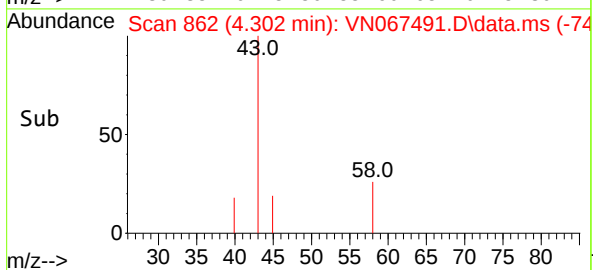
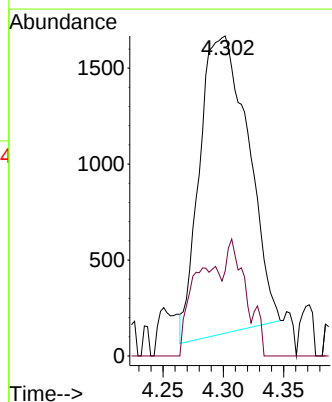
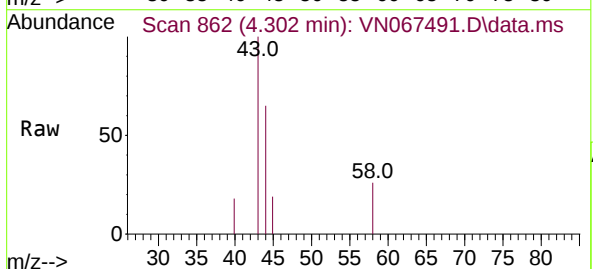
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20210621

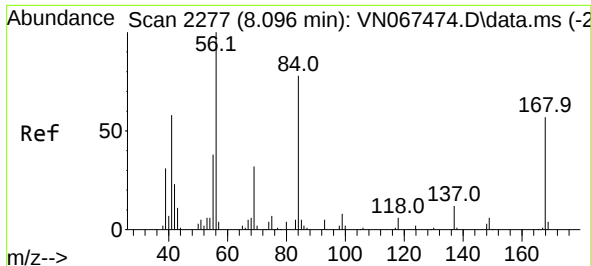
Tgt Ion: 56 Resp: 481
Ion Ratio Lower Upper
56 100
55 40.1 57.4 86.0#



#16
Acetone
Concen: 2.31 ug/l
RT: 4.302 min Scan# 862
Delta R.T. 0.011 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

Tgt Ion: 43 Resp: 4335
Ion Ratio Lower Upper
43 100
58 29.8 21.2 31.8

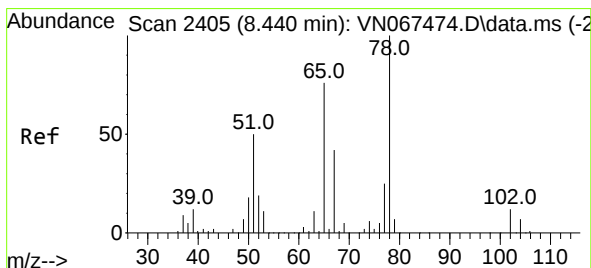
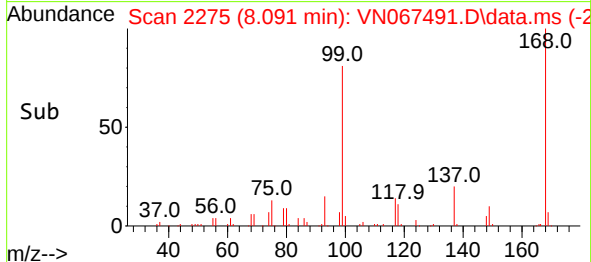
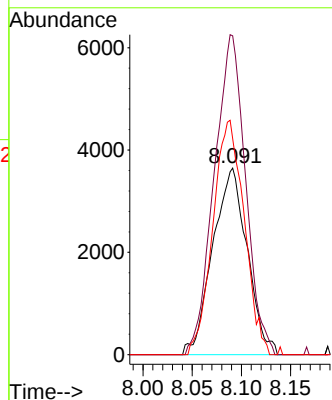
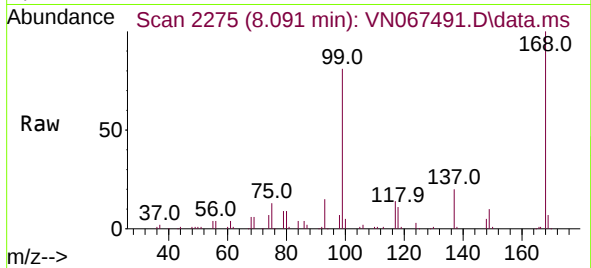




#31
Cyclohexane
Concen: 1.13 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

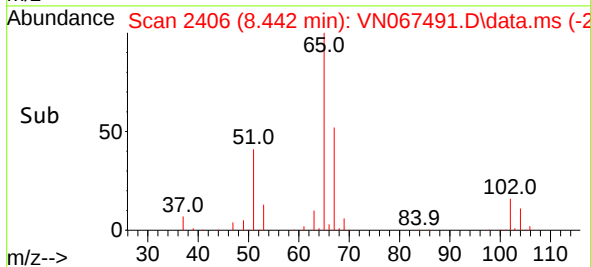
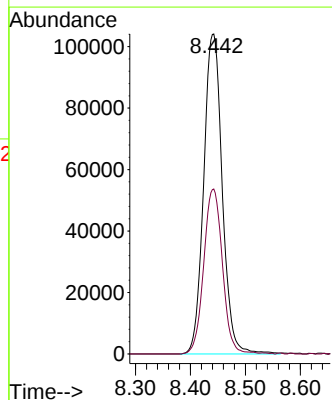
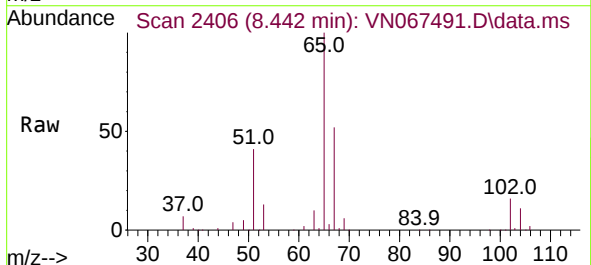
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20210621

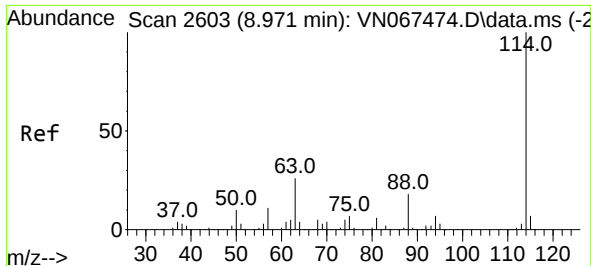
Tgt Ion: 56 Resp: 8884
Ion Ratio Lower Upper
56 100
69 171.0 27.3 40.9#
84 115.8 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 49.88 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

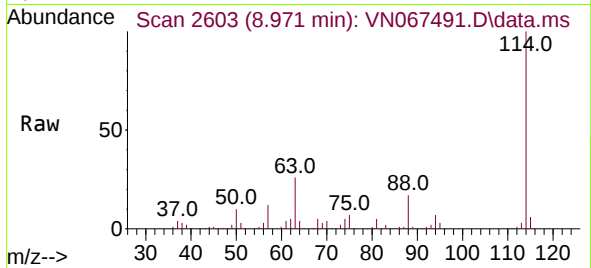
Tgt Ion: 65 Resp: 244931
Ion Ratio Lower Upper
65 100
67 51.8 0.0 98.6



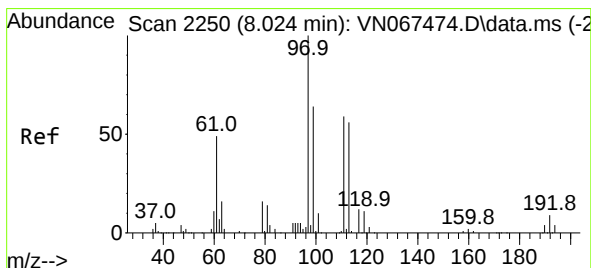
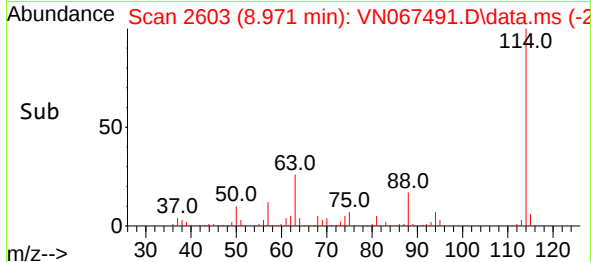
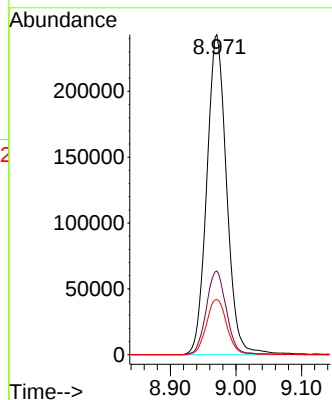


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

Instrument :
MSVOA_N
ClientSampleId :
DUP07-20210621

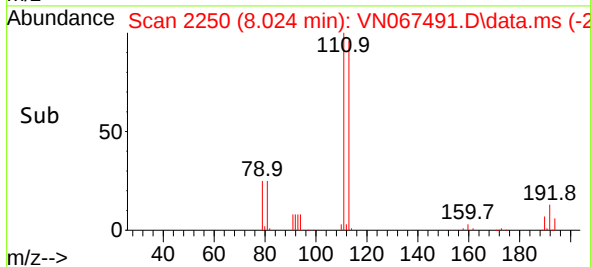
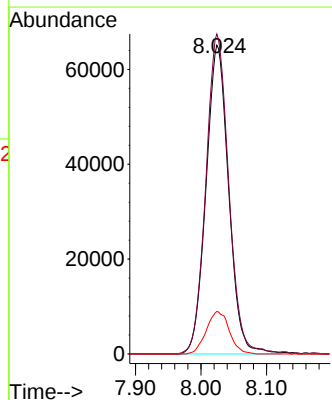
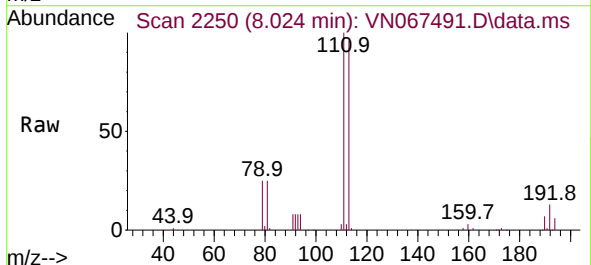


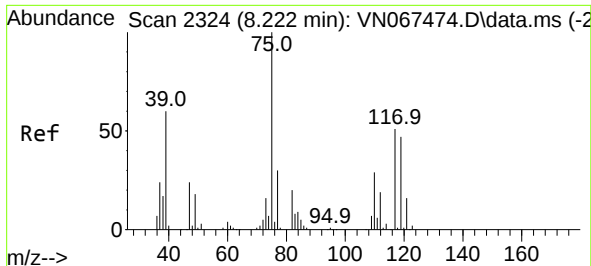
Tgt Ion:114 Resp: 510141
Ion Ratio Lower Upper
114 100
63 26.2 0.0 49.0
88 17.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.64 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

Tgt Ion:113 Resp: 156000
Ion Ratio Lower Upper
113 100
111 103.9 83.8 125.8
192 14.0 13.4 20.0

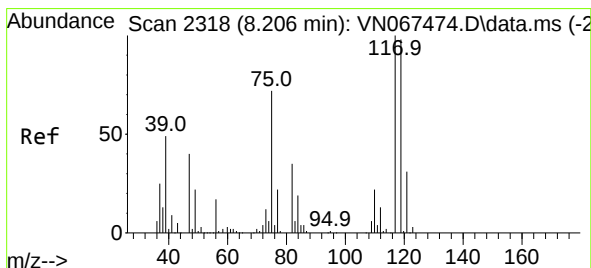
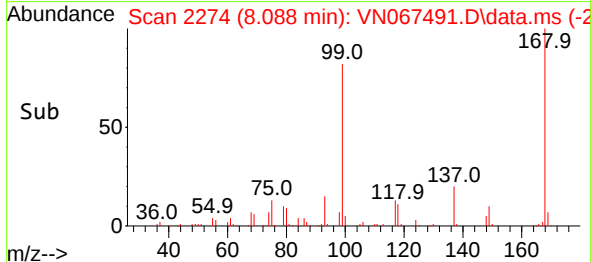
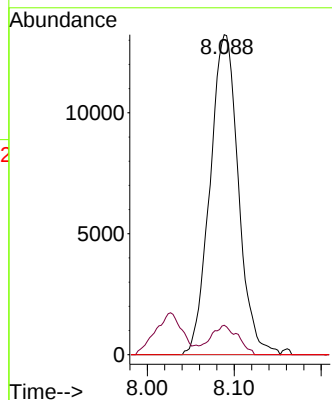
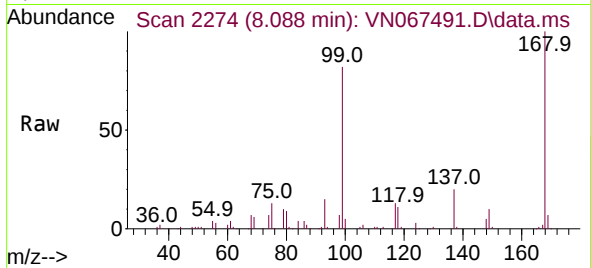




#36
1,1-Dichloropropene
Concen: 5.22 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

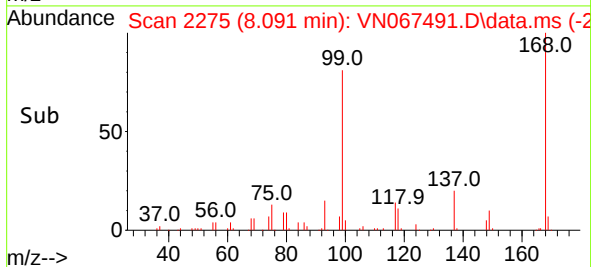
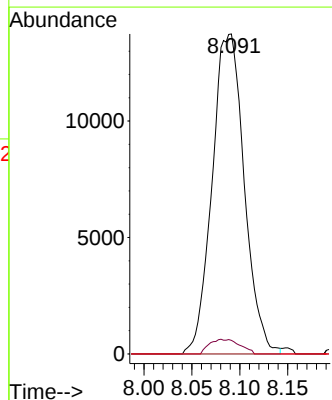
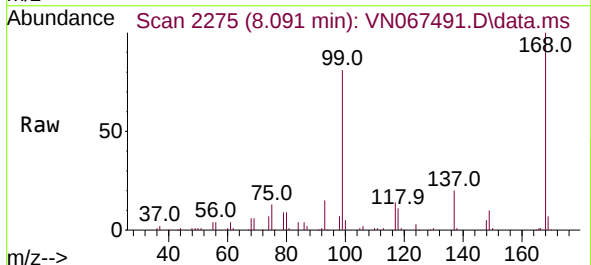
Instrument :
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ClientSampleId :
DUP07-20210621

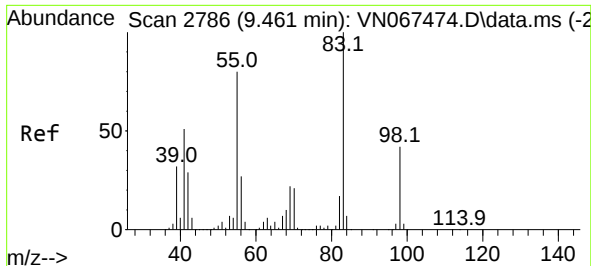
Tgt Ion: 75 Resp: 30027
Ion Ratio Lower Upper
75 100
110 8.7 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.54 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

Tgt Ion: 117 Resp: 32033
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.2#
121 0.0 23.5 35.3#





#39

Methylcyclohexane

Concen: 0.21 ug/l

RT: 9.218 min Scan# 2695

Delta R.T. -0.243 min

Lab File: VN067491.D

Acq: 24 Jun 2021 18:32

Tgt Ion: 83 Resp: 1359

Ion Ratio Lower Upper

83 100

55 0.0 66.6 99.8#

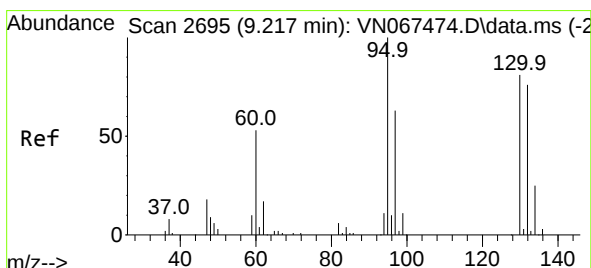
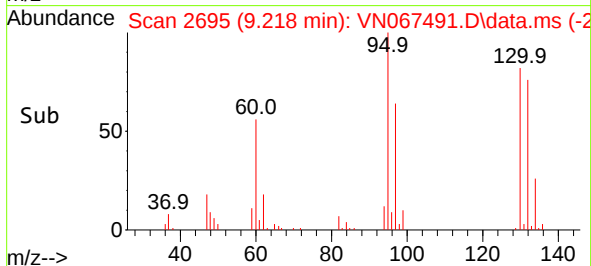
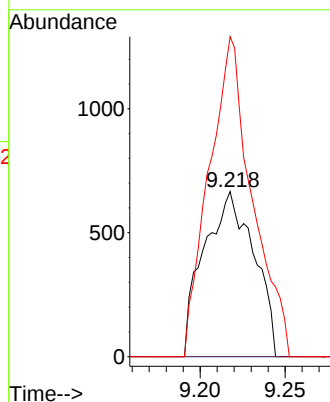
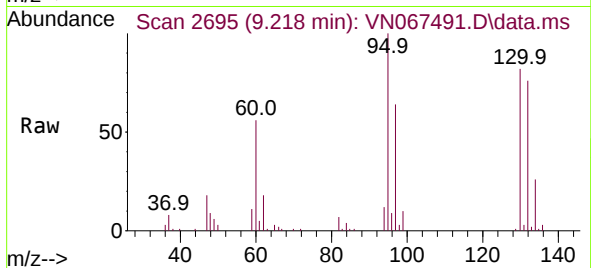
98 193.8 35.3 52.9#

Instrument :

MSVOA_N

ClientSampleId :

DUP07-20210621



#44

Trichloroethene

Concen: 23.60 ug/l

RT: 9.220 min Scan# 2696

Delta R.T. 0.003 min

Lab File: VN067491.D

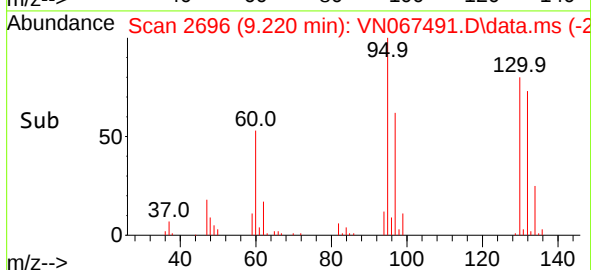
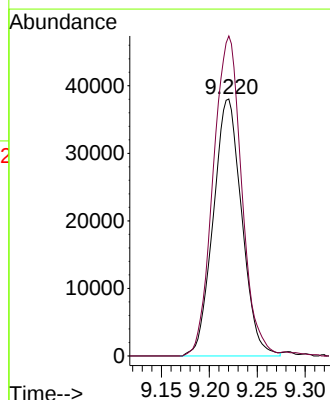
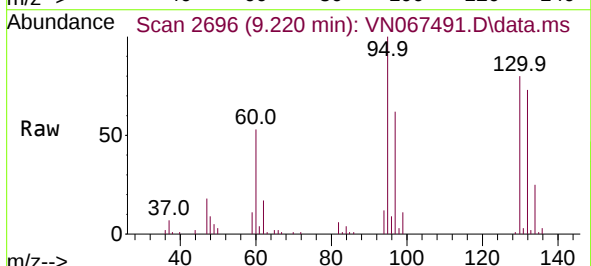
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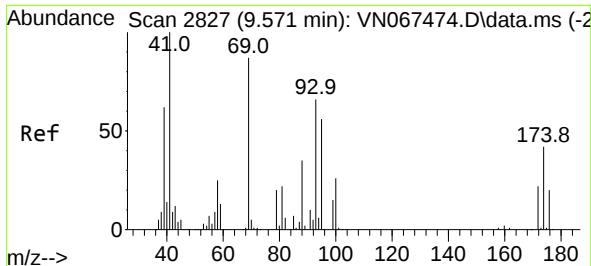
Tgt Ion:130 Resp: 78683

Ion Ratio Lower Upper

130 100

95 124.5 0.0 234.4

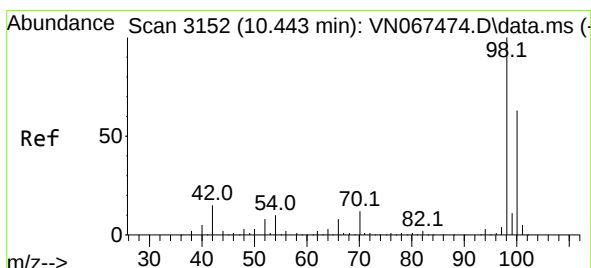
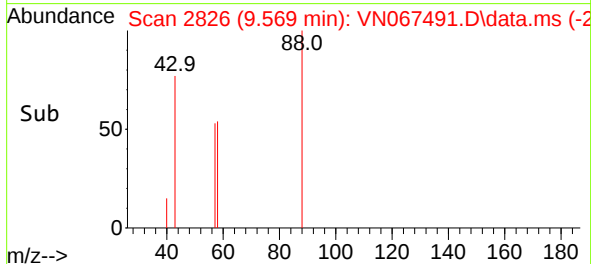
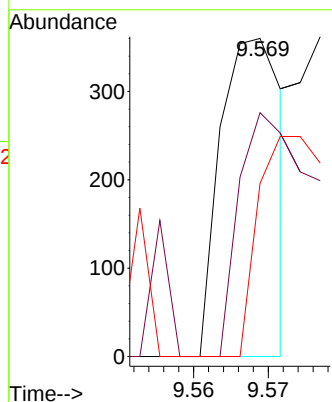
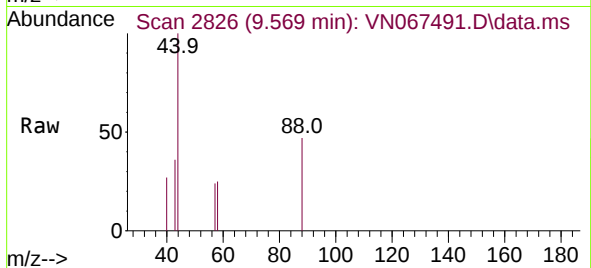




#49
1,4-Dioxane
Concen: 3.19 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. -0.002 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

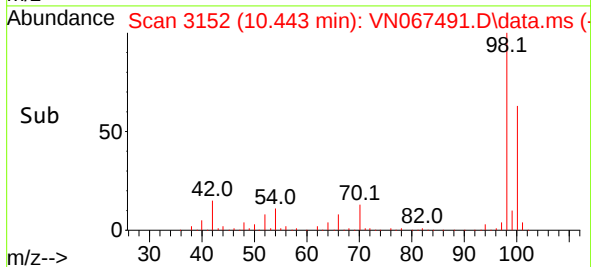
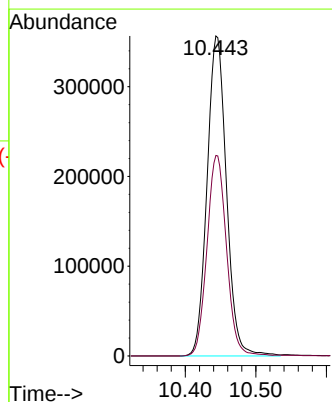
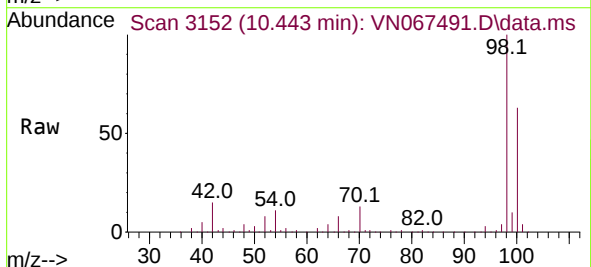
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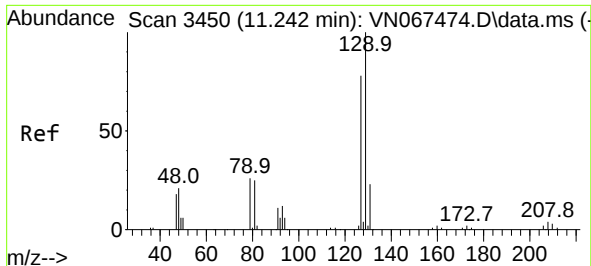
Tgt Ion: 88 Resp: 206
Ion Ratio Lower Upper
88 100
43 149.5 28.8 43.2#
58 0.0 60.4 90.6#



#50
Toluene-d8
Concen: 50.81 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

Tgt Ion: 98 Resp: 681101
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5

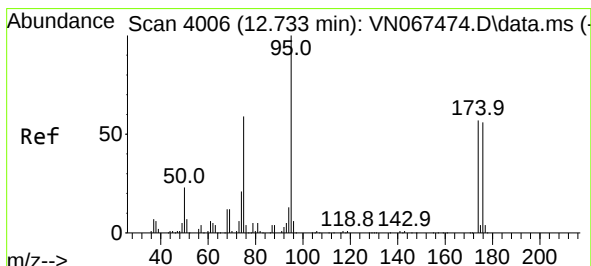
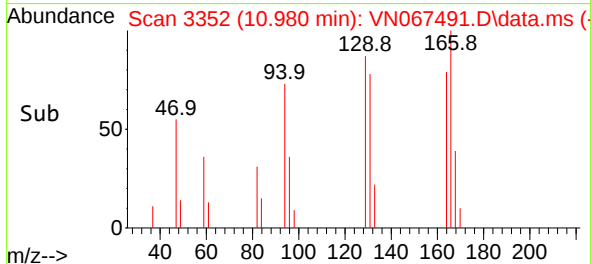
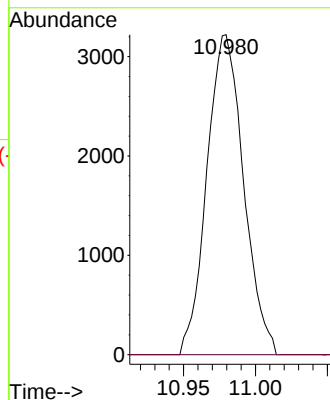
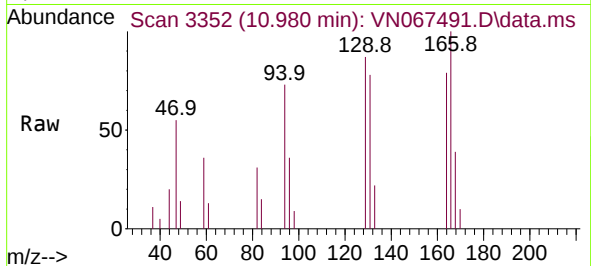




#60
Dibromochloromethane
Concen: 3.45 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.262 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

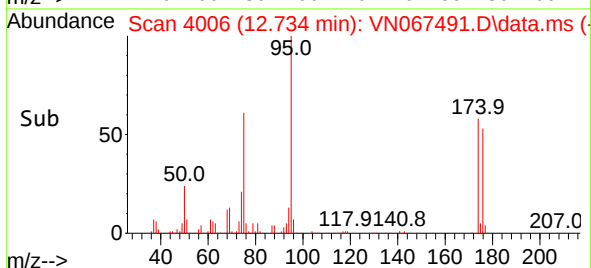
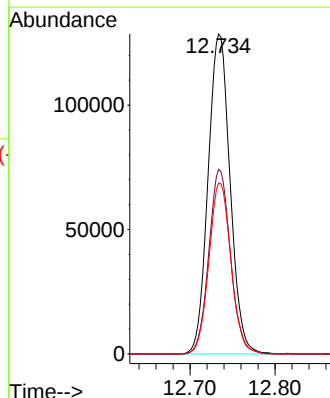
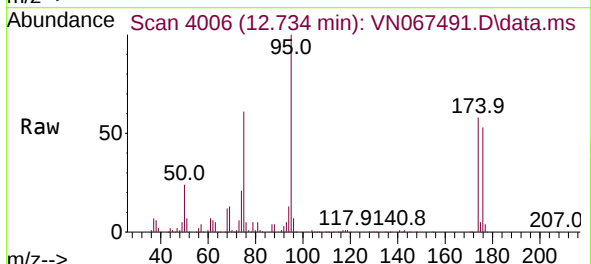
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20210621

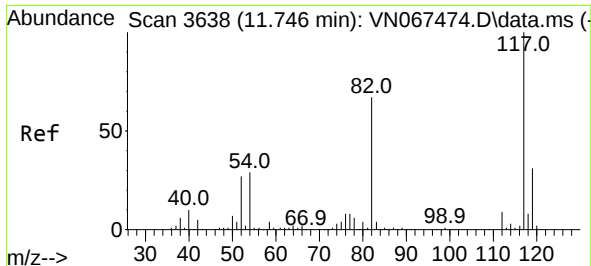
Tgt Ion:129 Resp: 5718
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 48.37 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

Tgt Ion: 95 Resp: 231001
Ion Ratio Lower Upper
95 100
174 56.7 0.0 122.0
176 53.7 0.0 117.6

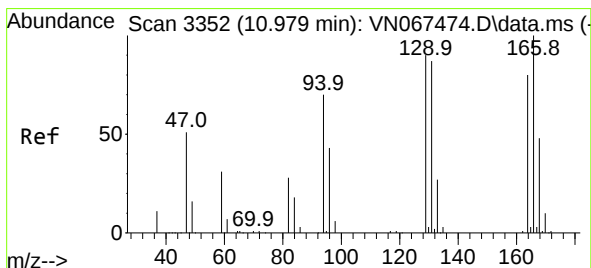
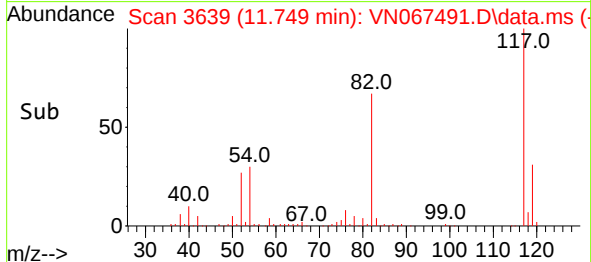
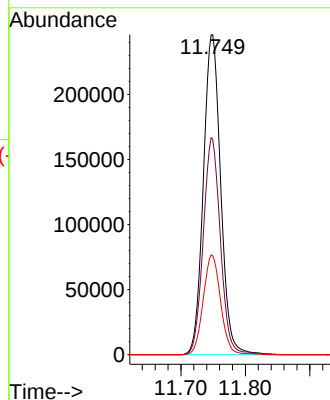
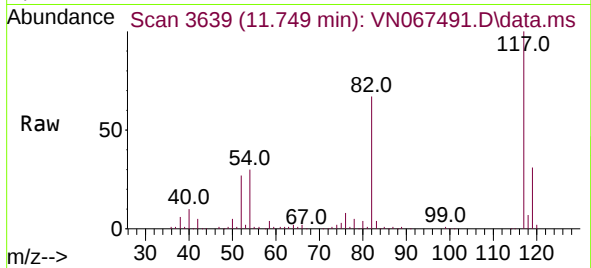




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

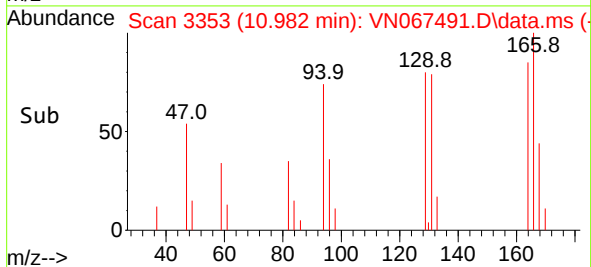
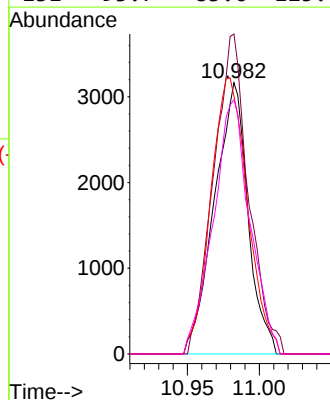
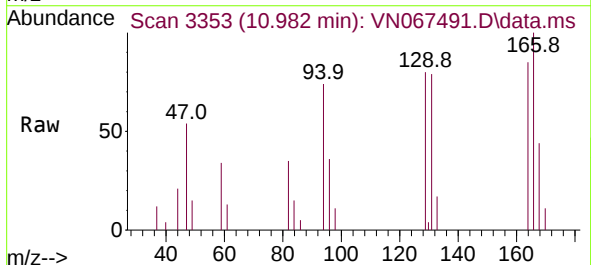
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20210621

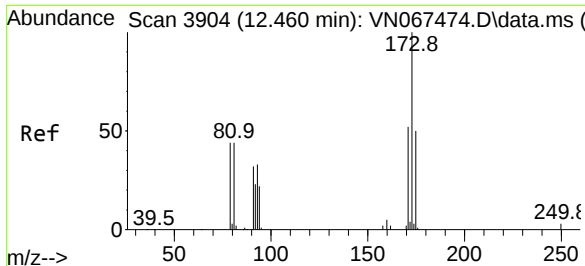
Tgt Ion:117 Resp: 459806
Ion Ratio Lower Upper
117 100
82 67.4 53.1 79.7
119 31.0 25.5 38.3



#64
Tetrachloroethene
Concen: 1.71 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. 0.003 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

Tgt Ion:164 Resp: 5128
Ion Ratio Lower Upper
164 100
166 118.0 102.1 153.1
129 95.0 86.9 130.3
131 93.7 83.6 125.4

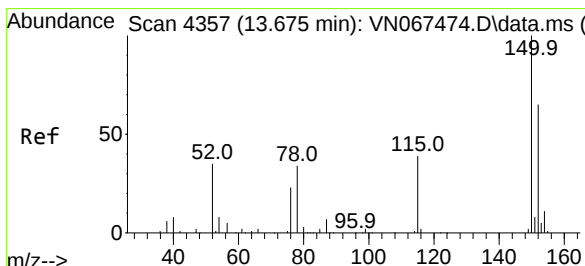
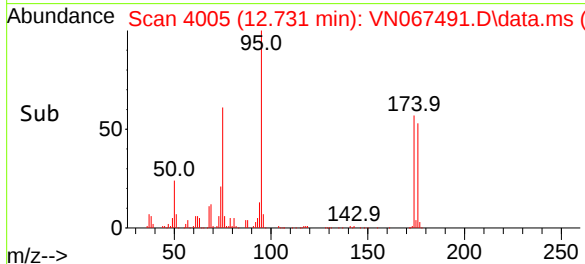
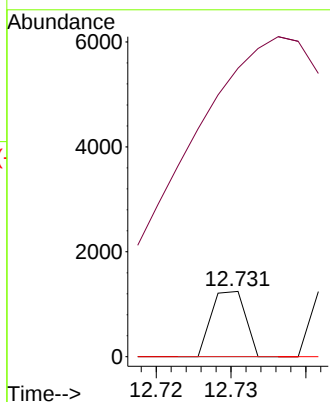
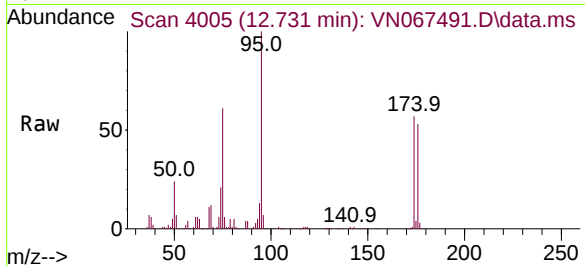




#71
Bromoform
Concen: 2.81 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

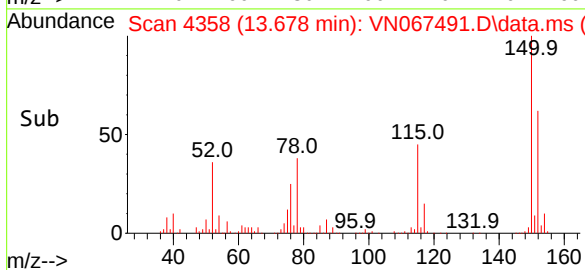
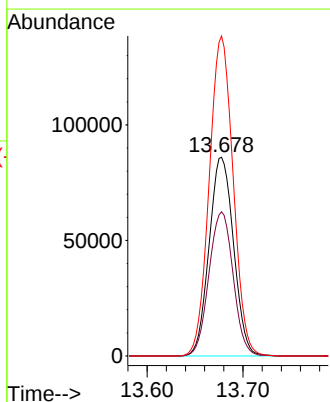
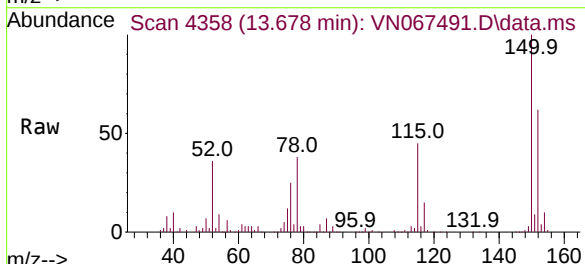
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20210621

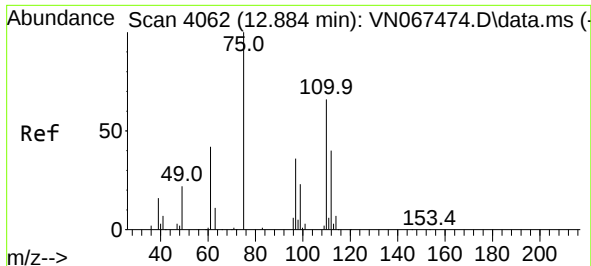
Tgt Ion:173 Resp: 395
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

Tgt Ion:152 Resp: 152576
Ion Ratio Lower Upper
152 100
115 71.7 36.1 108.5
150 156.9 0.0 351.8

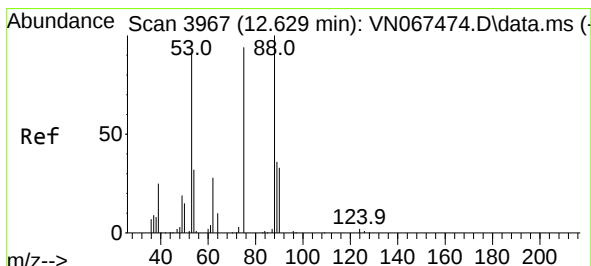
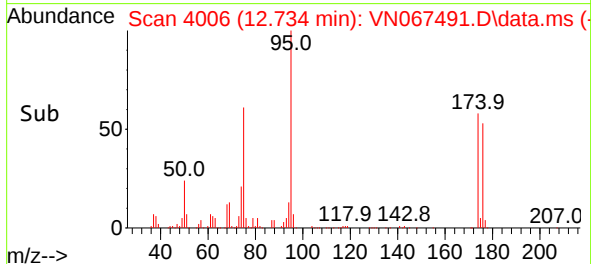
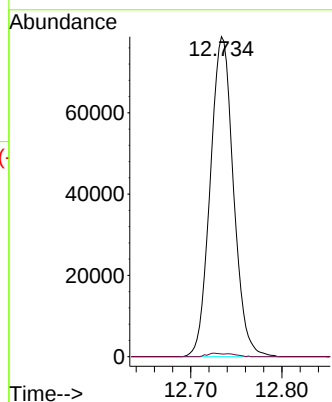
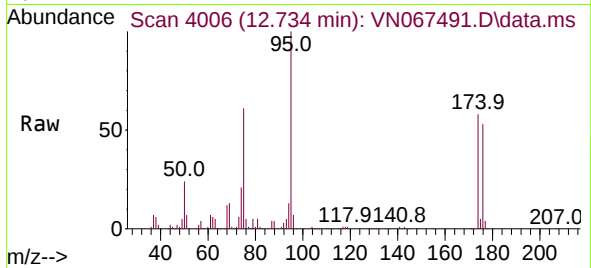




#76
1,2,3-Trichloropropane
Concen: 31.03 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

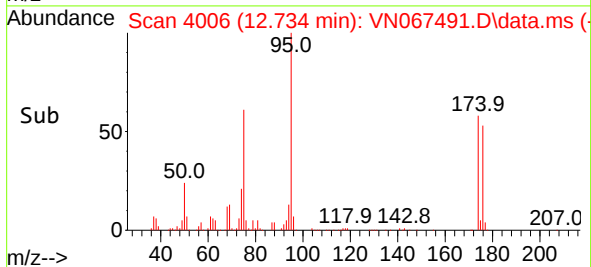
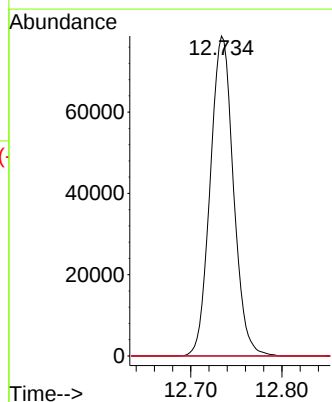
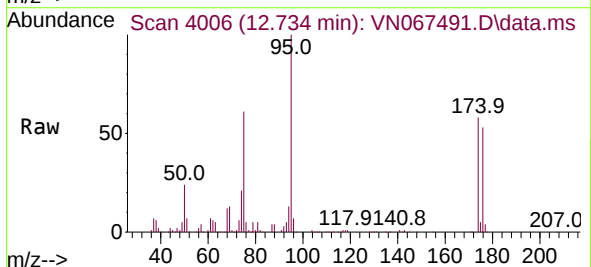
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20210621

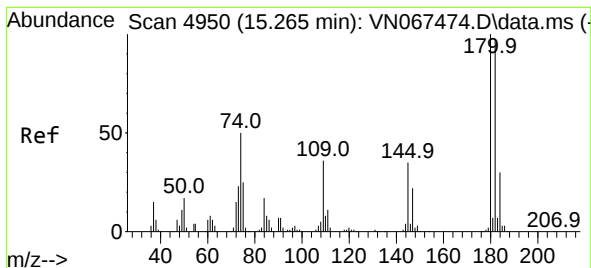
Tgt Ion: 75 Resp: 139323
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.89 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

Tgt Ion: 75 Resp: 139323
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

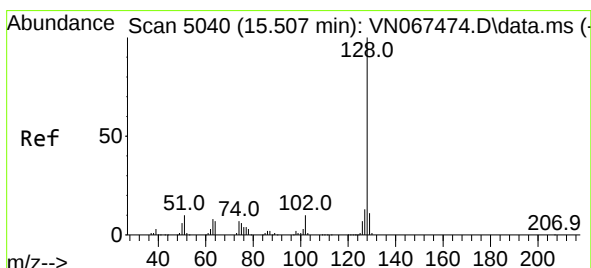
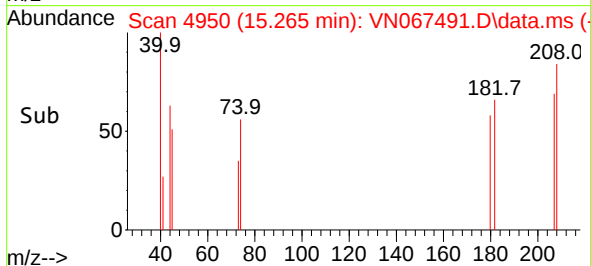
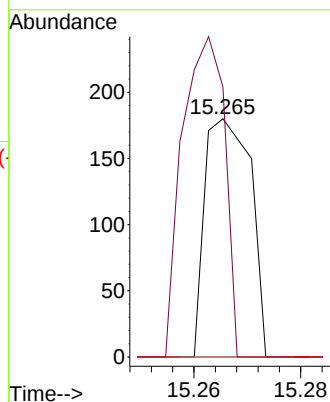
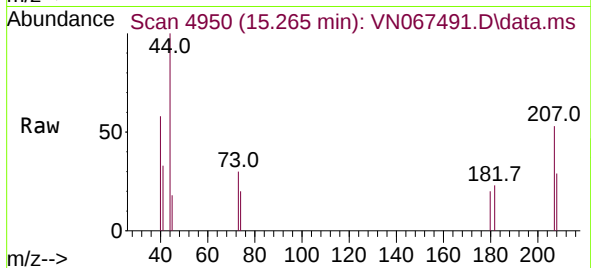




#93
1,2,4-Trichlorobenzene
Concen: 2.37 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

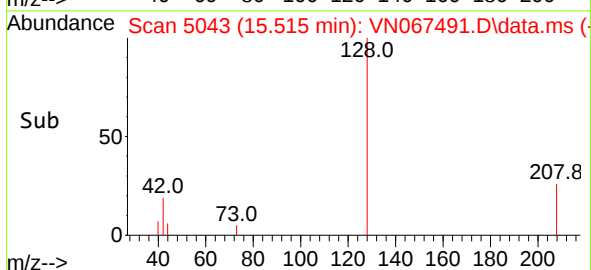
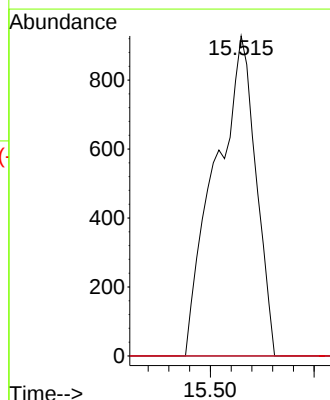
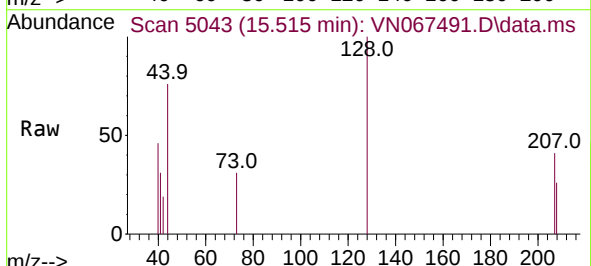
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20210621

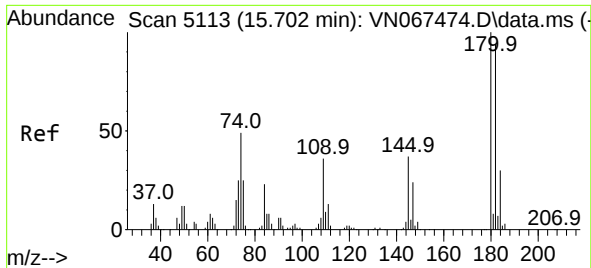
Tgt Ion:180 Resp: 107
Ion Ratio Lower Upper
180 100
182 124.3 47.5 142.5
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.47 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN067491.D
Acq: 24 Jun 2021 18:32

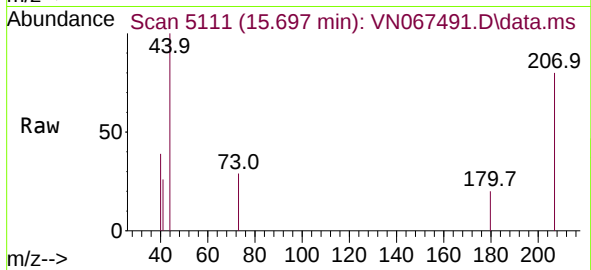
Tgt Ion:128 Resp: 1260
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.57 ug/l
 RT: 15.697 min Scan# 5111
 Delta R.T. -0.005 min
 Lab File: VN067491.D
 Acq: 24 Jun 2021 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP07-20210621



Tgt Ion:	180	Resp:	105
Ion	Ratio	Lower	Upper
180	100		
182	108.6	47.8	143.3
145	0.0	18.2	54.6#

