

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080521\
 Data File : VN068021.D
 Acq On : 5 Aug 2021 17:21
 Operator : JC/MD
 Sample : M2940-09 .2PPB MDL
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 06 02:09:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 06 02:07:57 2021
 Response via : Initial Calibration

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

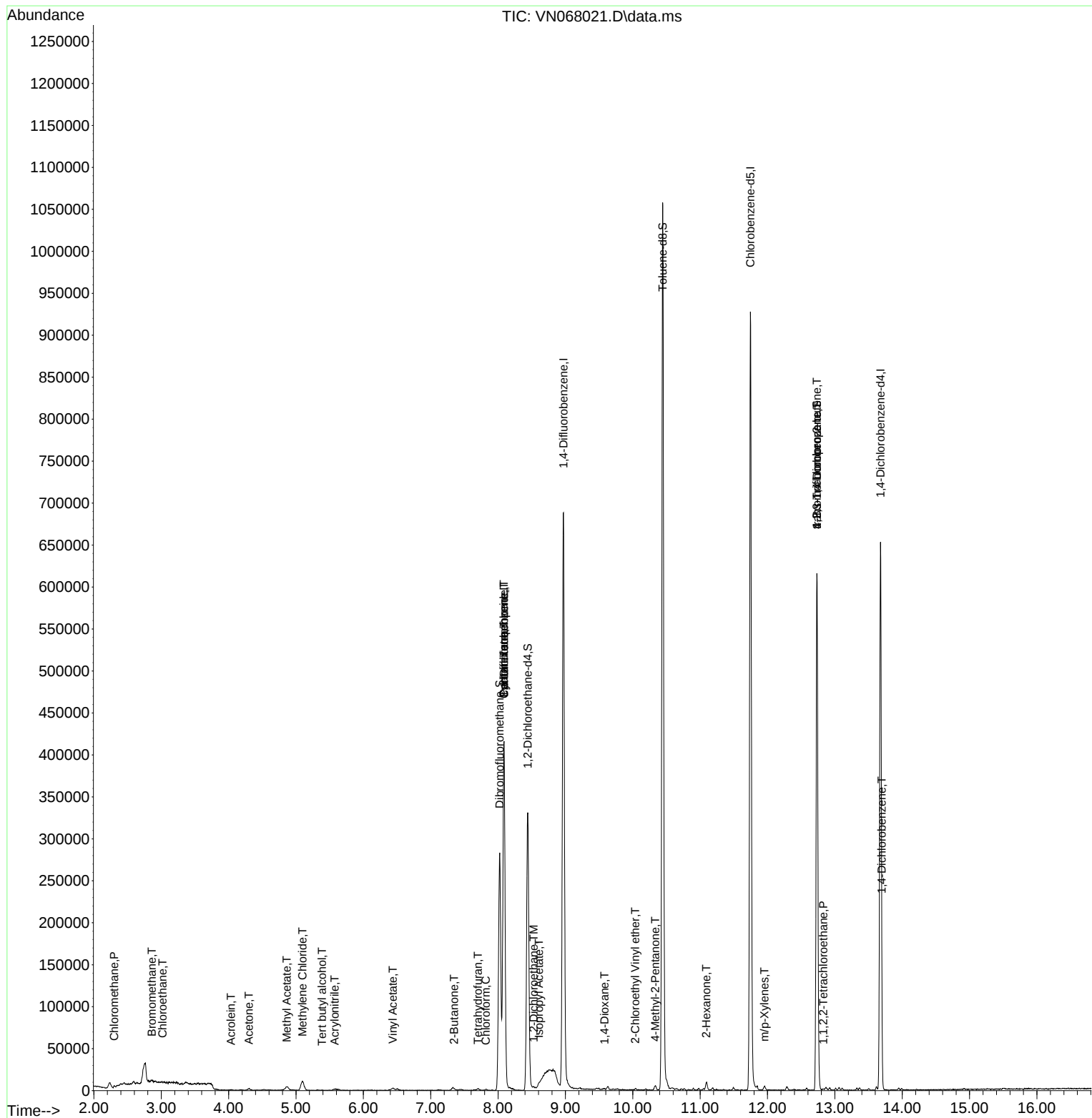
Internal Standards						
1) Pentafluorobenzene	8.088	168	295783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	605875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	539794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	170961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	285394	68.157	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 136.320%			
35) Dibromofluoromethane	8.024	113	203011	57.495	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 114.980%			
50) Toluene-d8	10.443	98	735885	51.495	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.980%			
62) 4-Bromofluorobenzene	12.734	95	218269	44.092	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 88.180%			
Target Compounds						Qvalue
3) Chloromethane	2.301	50	1181	0.314	ug/l #	87
5) Bromomethane	2.859	94	1240	0.237	ug/l	93
6) Chloroethane	3.020	64	1192	0.262	ug/l #	77
11) Tert butyl alcohol	5.388	59	166	0.296	ug/l #	71
13) Acrolein	4.036	56	539	1.416	ug/l #	68
15) Acrylonitrile	5.573	53	1186	0.754	ug/l #	83
16) Acetone	4.299	43	1713	1.121	ug/l	100
18) Methyl Acetate	4.865	43	4753	1.206	ug/l #	90
20) Methylene Chloride	5.095	84	8978	2.289	ug/l	85
23) Vinyl Acetate	6.439	43	6059	0.688	ug/l #	95
25) 2-Butanone	7.346	43	1579	0.712	ug/l #	51
29) Tetrahydrofuran	7.702	42	1365	0.962	ug/l #	61
30) Chloroform	7.818	83	1516	0.224	ug/l	87
31) Cyclohexane	8.086	56	8074	1.307	ug/l #	20
36) 1,1-Dichloropropene	8.088	75	26448	4.719	ug/l #	48
38) Carbon Tetrachloride	8.086	117	32401	5.879	ug/l #	17
42) 1,2-Dichloroethane	8.528	62	1585	0.259	ug/l #	79
43) Isopropyl Acetate	8.606	43	5754	0.655	ug/l #	58
49) 1,4-Dioxane	9.580	88	54	0.772	ug/l #	20
51) 4-Methyl-2-Pentanone	10.336	43	5051	0.932	ug/l #	80
58) 2-Chloroethyl Vinyl ether	10.038	63	654	0.650	ug/l #	50
59) 2-Hexanone	11.092	43	4285	1.101	ug/l	84
68) m/p-Xylenes	11.956	106	1956	0.267	ug/l	86
75) 1,1,2,2-Tetrachloroethane	12.827	83	876	0.208	ug/l #	92
76) 1,2,3-Trichloropropane	12.734	75	121518	35.393	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	121518	111.732	ug/l #	6
88) 1,4-Dichlorobenzene	13.696	146	1171	0.202	ug/l #	55

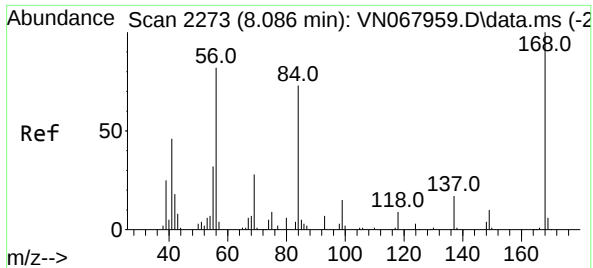
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080521\
Data File : VN068021.D
Acq On : 5 Aug 2021 17:21
Operator : JC/MD
Sample : M2940-09 .2PPB MDL
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 06 02:09:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 06 02:07:57 2021
Response via : Initial Calibration

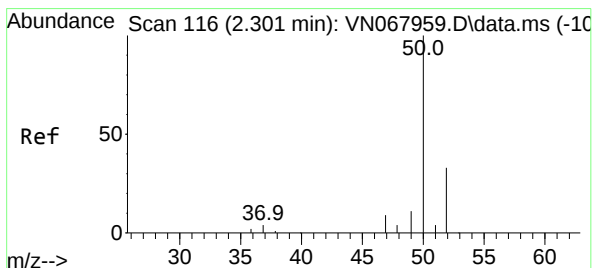
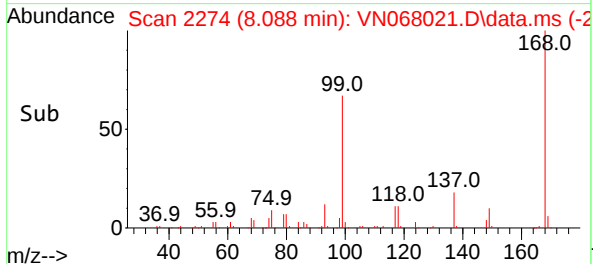
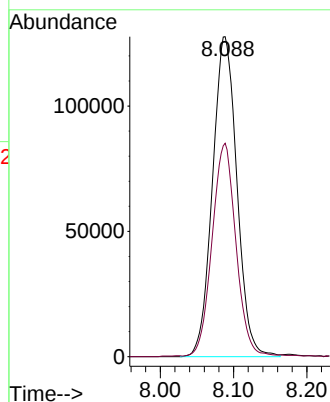
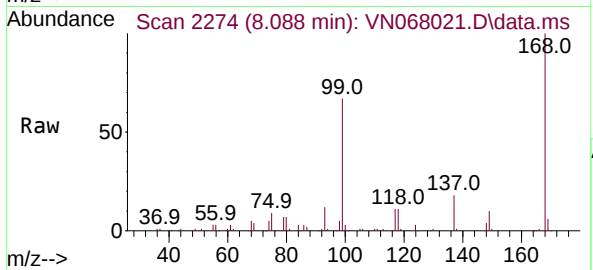




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

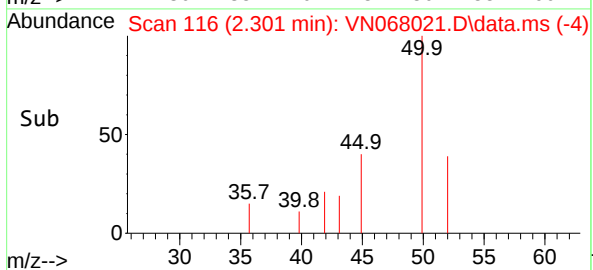
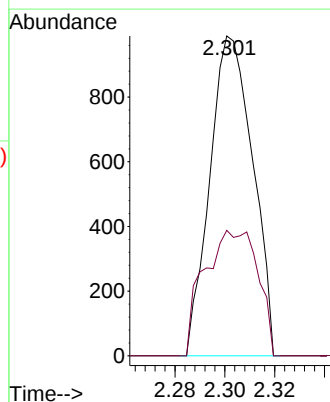
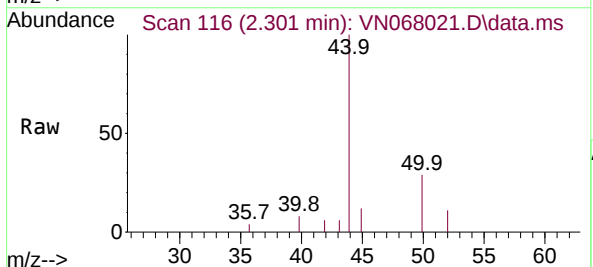
Instrument :
MSVOA_N
ClientSampled :

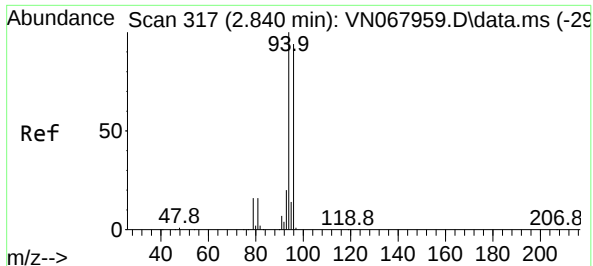
Tgt Ion:168 Resp: 295783
Ion Ratio Lower Upper
168 100
99 66.4 62.9 94.3



#3
Chloromethane
Concen: 0.314 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

Tgt Ion: 50 Resp: 1181
Ion Ratio Lower Upper
50 100
52 39.2 25.6 38.4#

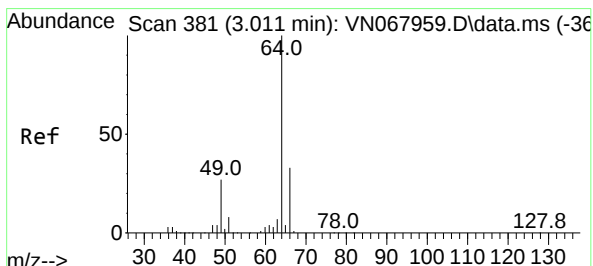
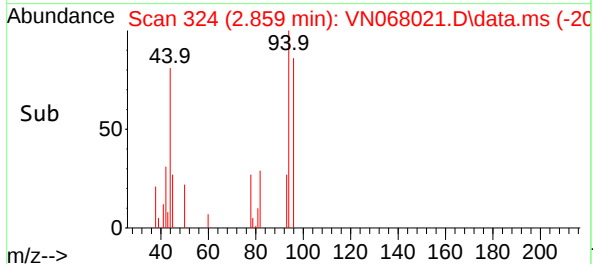
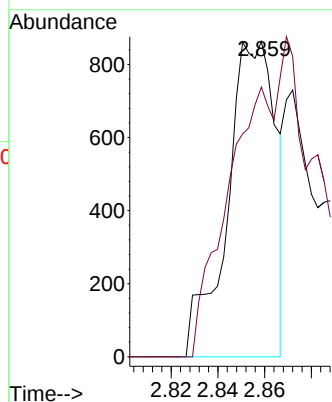
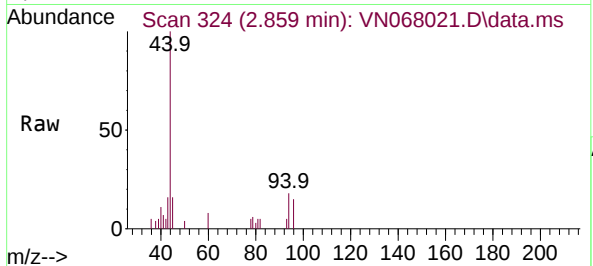




#5
Bromomethane
Concen: 0.237 ug/l
RT: 2.859 min Scan# 324
Delta R.T. 0.019 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

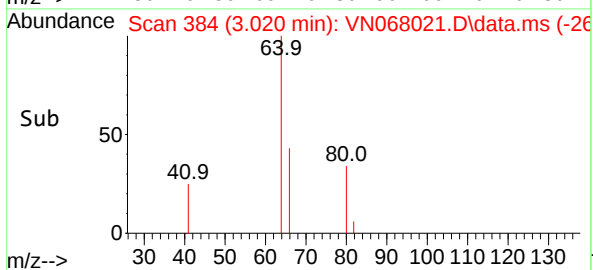
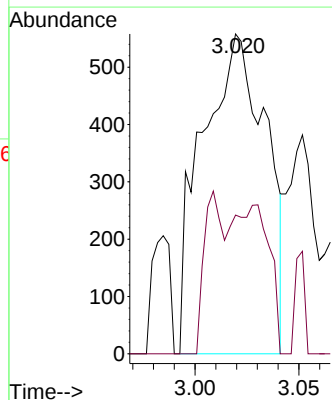
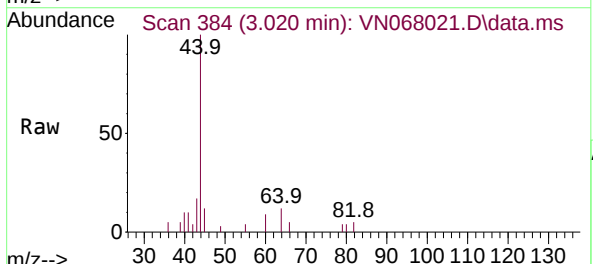
Instrument :
MSVOA_N
ClientSampled :

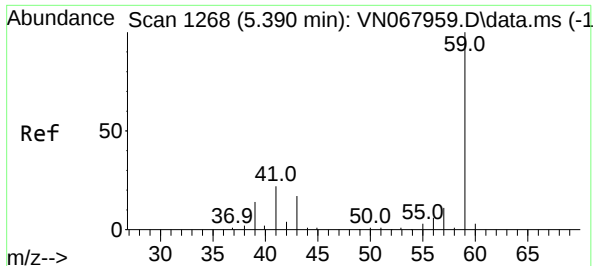
Tgt Ion: 94 Resp: 1240
Ion Ratio Lower Upper
94 100
96 85.5 73.7 110.5



#6
Chloroethane
Concen: 0.262 ug/l
RT: 3.020 min Scan# 384
Delta R.T. 0.009 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

Tgt Ion: 64 Resp: 1192
Ion Ratio Lower Upper
64 100
66 43.4 24.7 37.1#



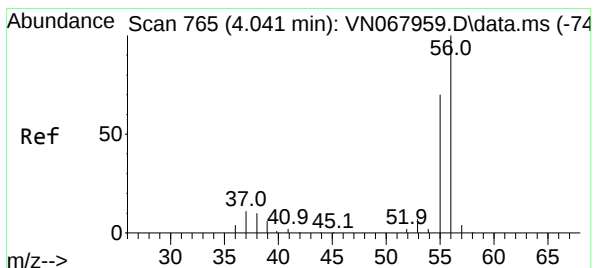
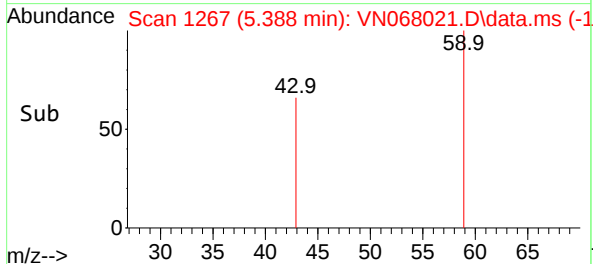
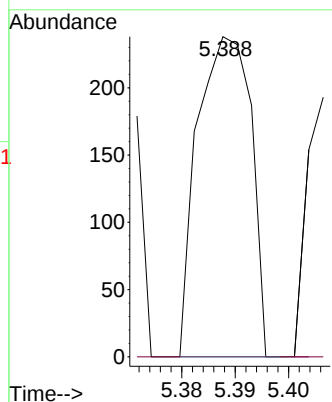
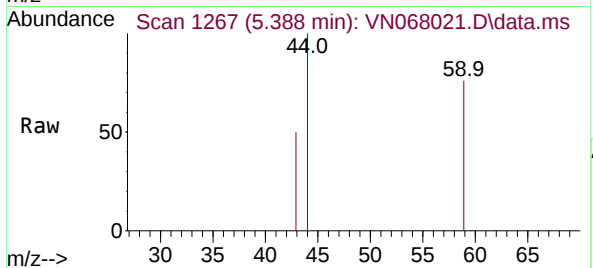


#11

Tert butyl alcohol
Concen: 0.296 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.002 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

Instrument :
MSVOA_N
ClientSampled :

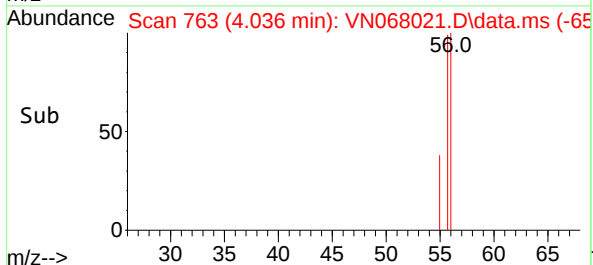
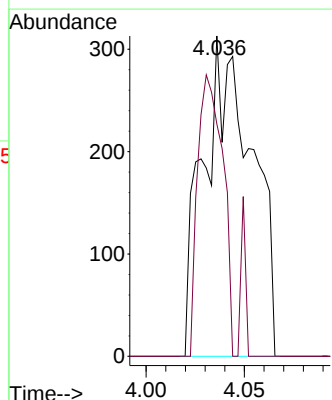
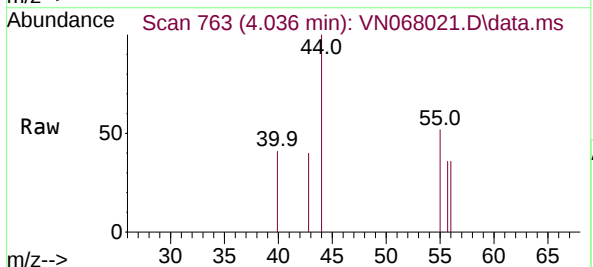
Tgt Ion: 59 Resp: 166
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

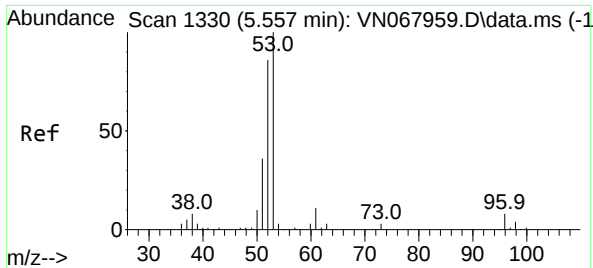


#13

Acrolein
Concen: 1.416 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

Tgt Ion: 56 Resp: 539
Ion Ratio Lower Upper
56 100
55 45.3 57.4 86.0#

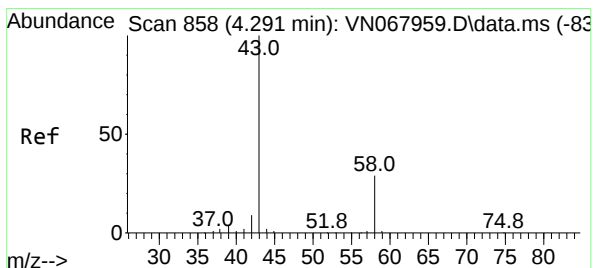
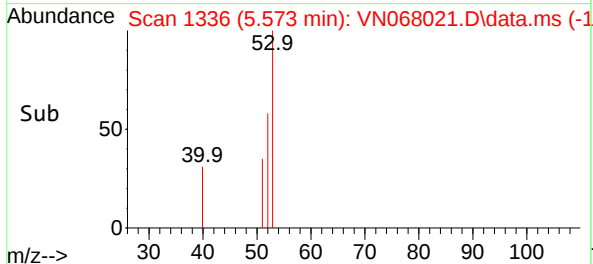
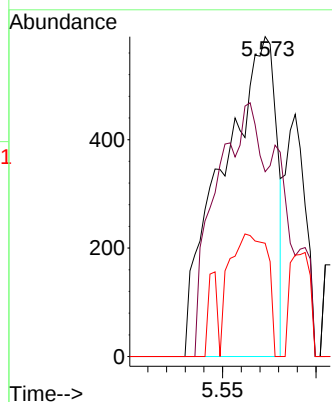
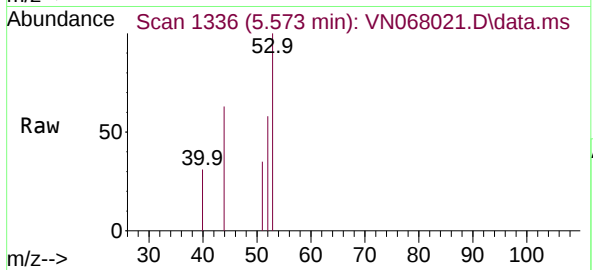




#15
Acrylonitrile
Concen: 0.754 ug/l
RT: 5.573 min Scan# 1336
Delta R.T. 0.016 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

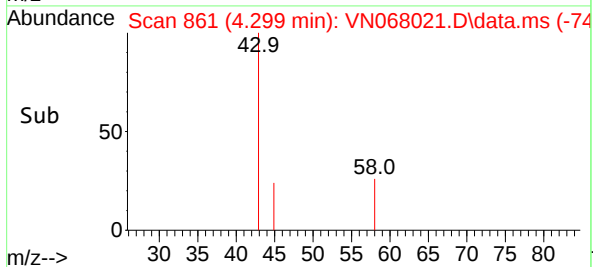
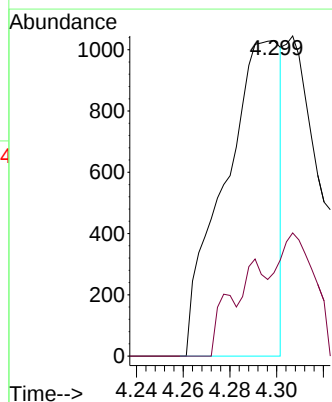
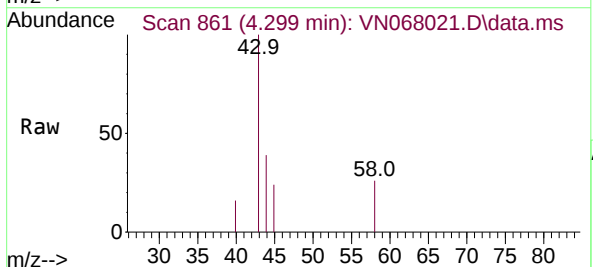
Instrument :
MSVOA_N
ClientSampled :

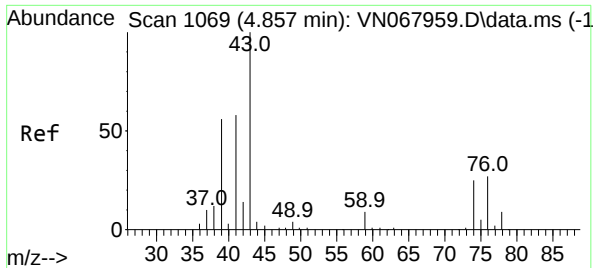
Tgt Ion: 53 Resp: 1186
Ion Ratio Lower Upper
53 100
52 67.8 66.2 99.2
51 27.0 30.2 45.4#



#16
Acetone
Concen: 1.121 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

Tgt Ion: 43 Resp: 1713
Ion Ratio Lower Upper
43 100
58 26.4 21.2 31.8

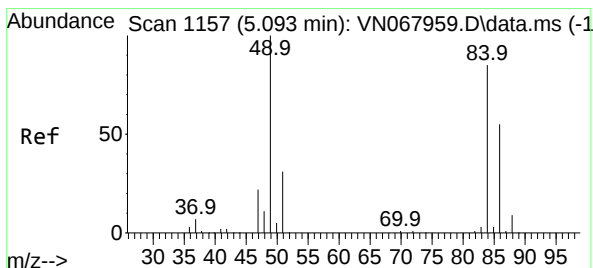
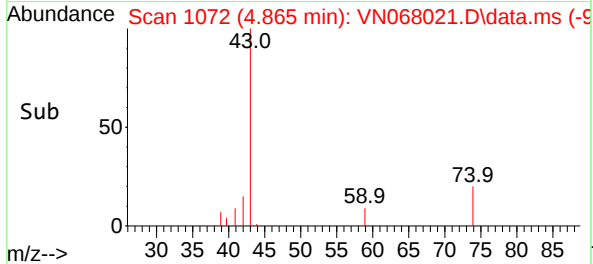
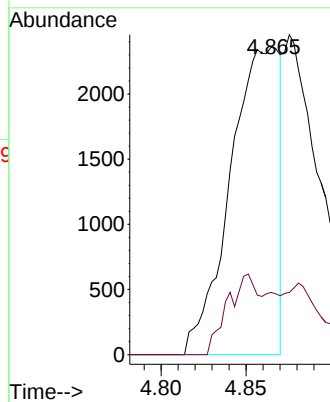
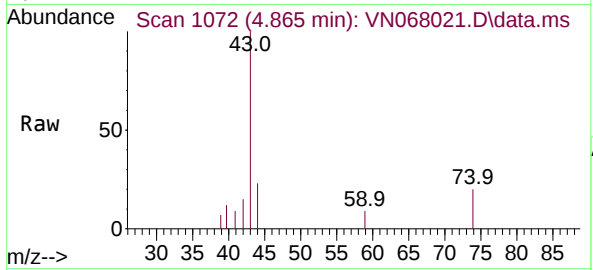




#18
Methyl Acetate
Concen: 1.206 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

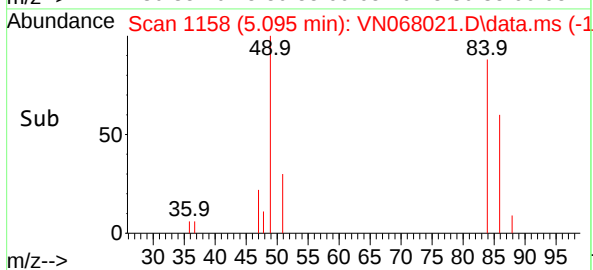
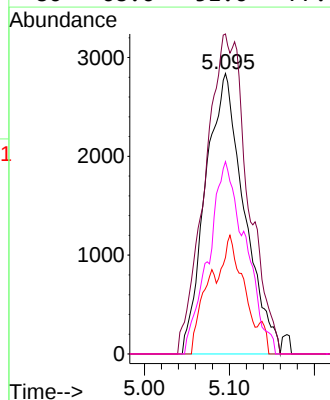
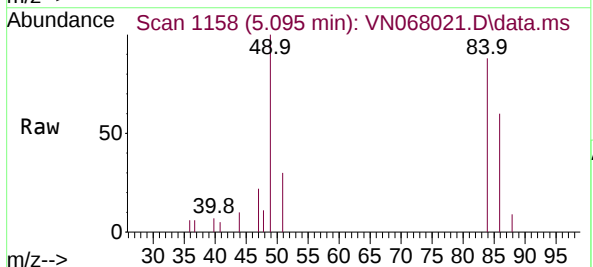
Instrument :
MSVOA_N
ClientSampled :

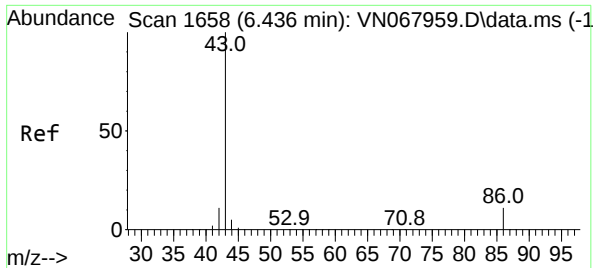
Tgt Ion: 43 Resp: 4753
Ion Ratio Lower Upper
43 100
74 16.7 17.4 26.0#



#20
Methylene Chloride
Concen: 2.289 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

Tgt Ion: 84 Resp: 8978
Ion Ratio Lower Upper
84 100
49 114.1 110.9 166.3
51 34.4 32.6 49.0
86 68.6 51.6 77.4

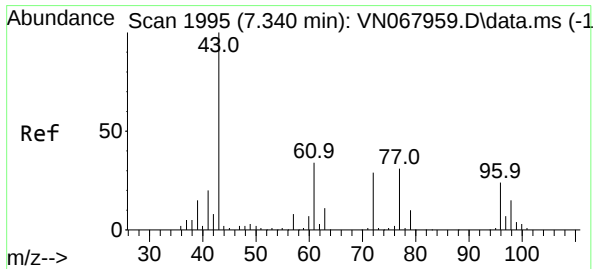
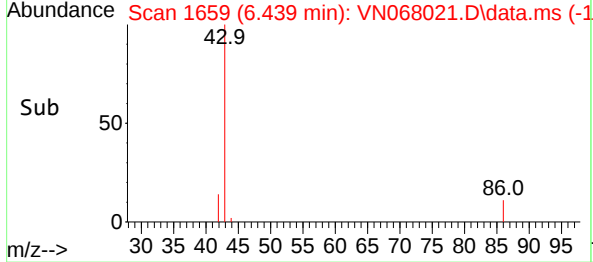
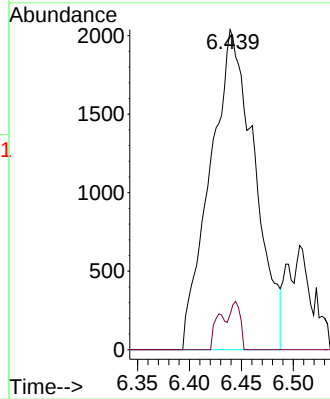
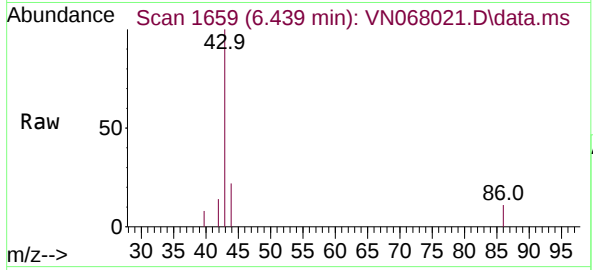




#23
 Vinyl Acetate
 Concen: 0.688 ug/l
 RT: 6.439 min Scan# 1659
 Delta R.T. 0.003 min
 Lab File: VN068021.D
 Acq: 5 Aug 2021 17:21

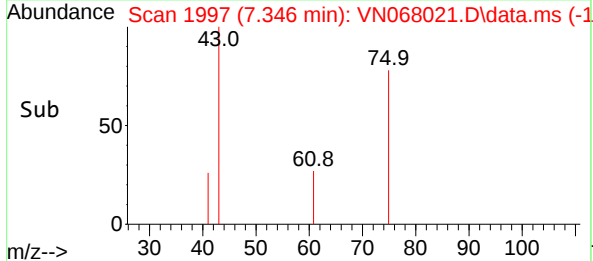
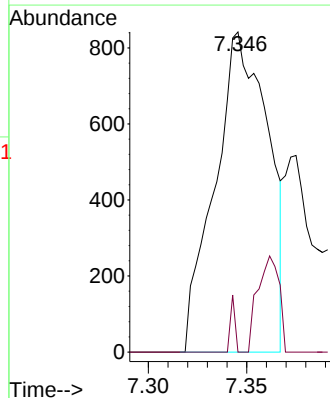
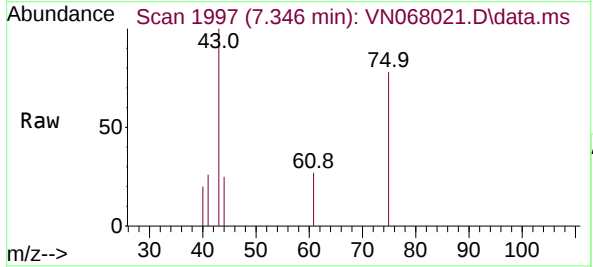
Instrument :
 MSVOA_N
 ClientSampled :

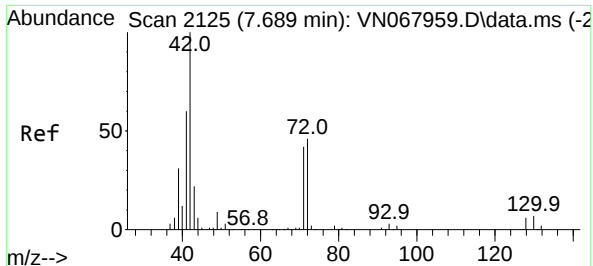
Tgt Ion: 43 Resp: 6059
 Ion Ratio Lower Upper
 43 100
 86 11.0 7.3 10.9#



#25
 2-Butanone
 Concen: 0.712 ug/l
 RT: 7.346 min Scan# 1997
 Delta R.T. 0.006 min
 Lab File: VN068021.D
 Acq: 5 Aug 2021 17:21

Tgt Ion: 43 Resp: 1579
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.7 29.5#





#29

Tetrahydrofuran

Concen: 0.962 ug/l

RT: 7.702 min Scan# 2130

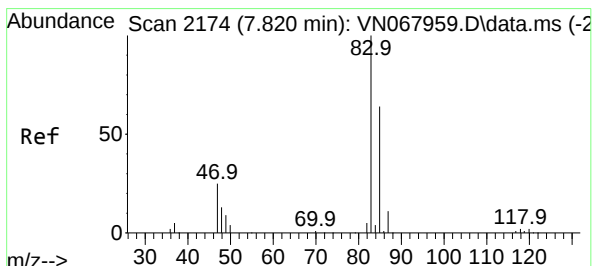
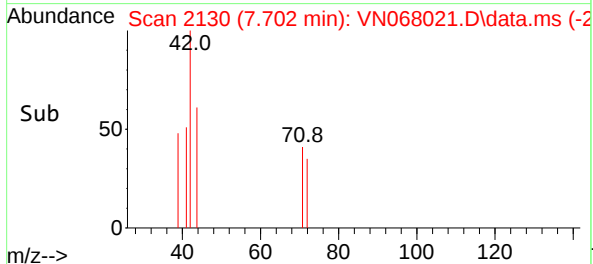
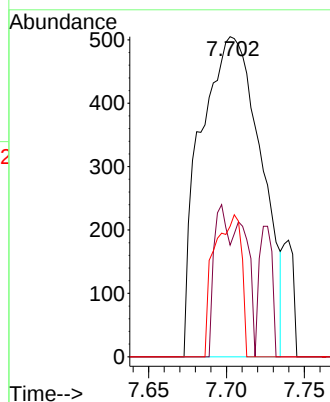
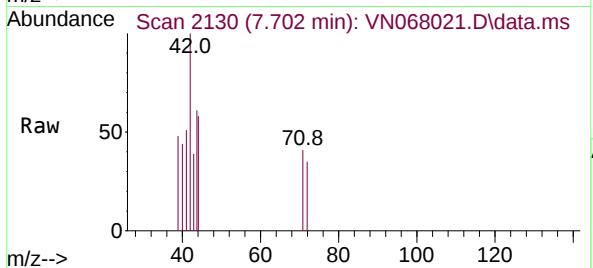
Delta R.T. 0.013 min

Lab File: VN068021.D

Acq: 5 Aug 2021 17:21

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	42	Resp:	1365
Ion	Ratio	Lower	Upper
42	100		
72	11.9	32.8	49.2#
71	19.9	31.2	46.8#



#30

Chloroform

Concen: 0.224 ug/l

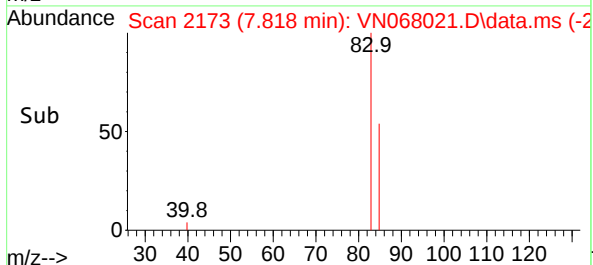
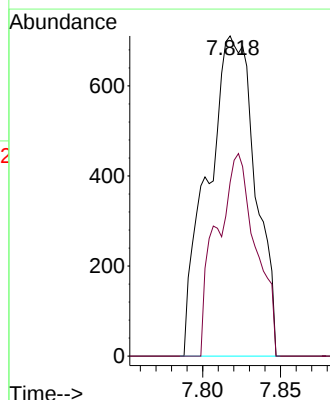
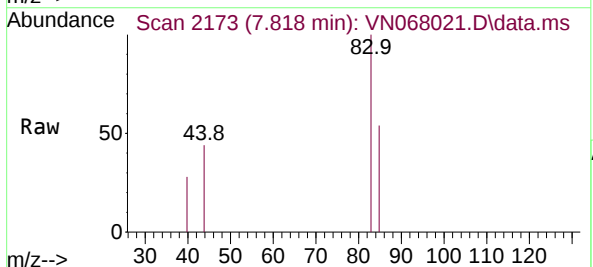
RT: 7.818 min Scan# 2173

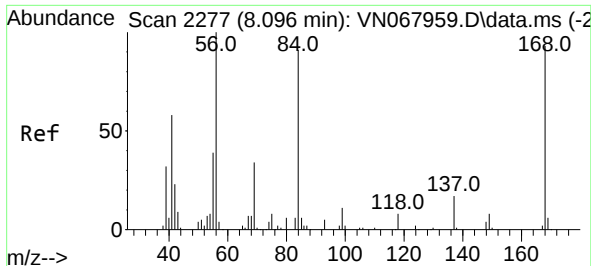
Delta R.T. -0.002 min

Lab File: VN068021.D

Acq: 5 Aug 2021 17:21

Tgt Ion:	83	Resp:	1516
Ion	Ratio	Lower	Upper
83	100		
85	54.3	51.5	77.3

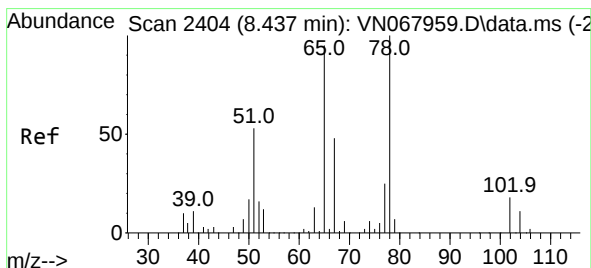
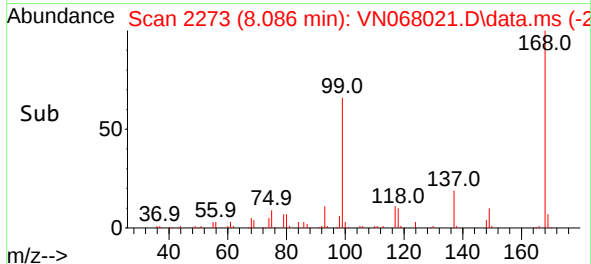
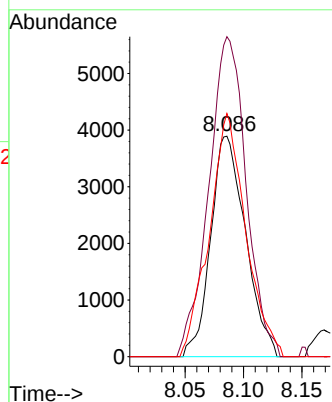
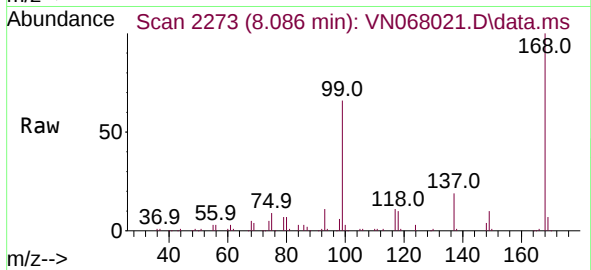




#31
Cyclohexane
Concen: 1.307 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

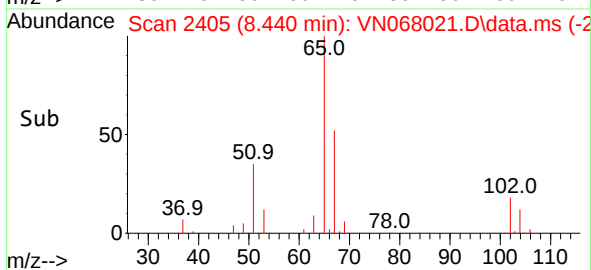
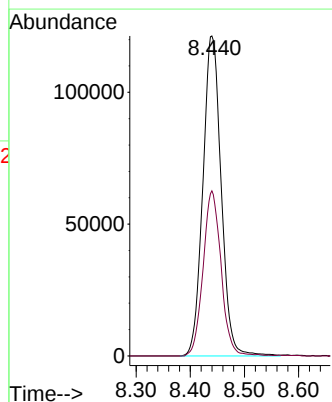
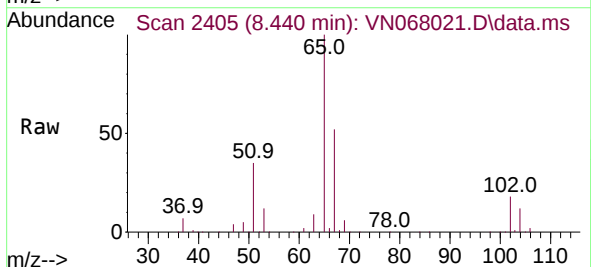
Instrument :
MSVOA_N
ClientSampled :

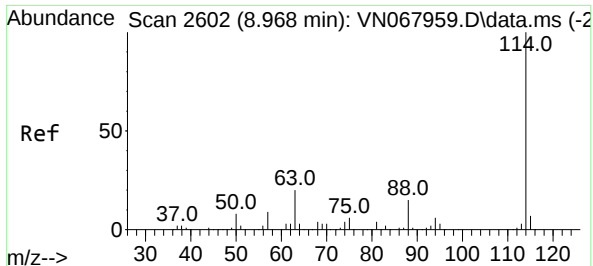
Tgt Ion: 56 Resp: 8074
Ion Ratio Lower Upper
56 100
69 145.2 27.3 40.9#
84 110.3 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 68.157 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

Tgt Ion: 65 Resp: 285394
Ion Ratio Lower Upper
65 100
67 50.4 0.0 98.6

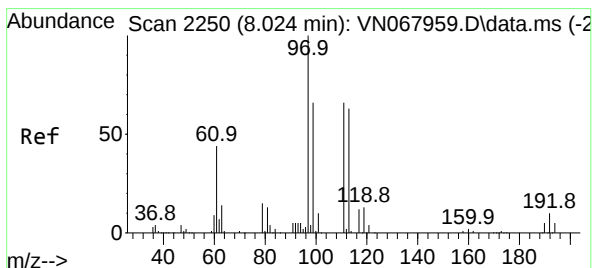
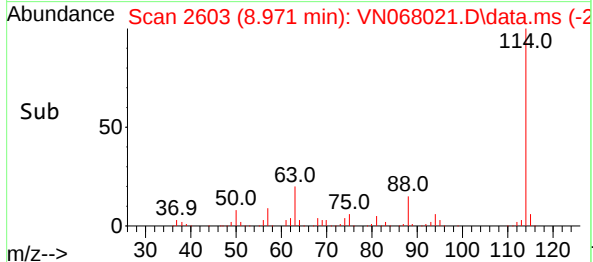
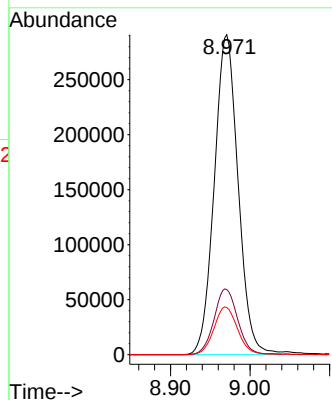
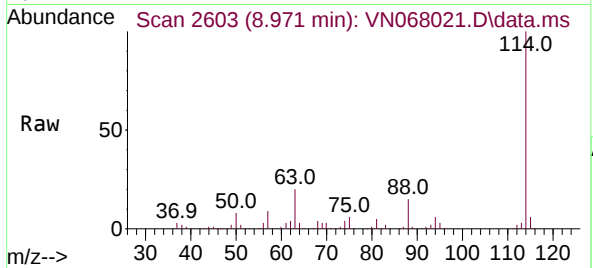




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

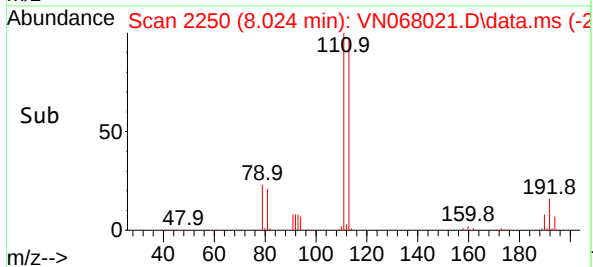
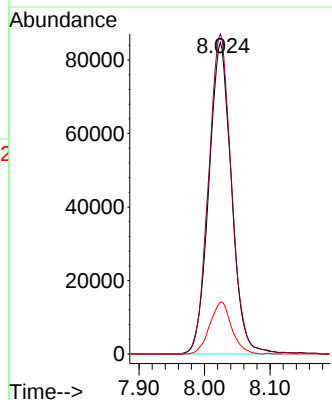
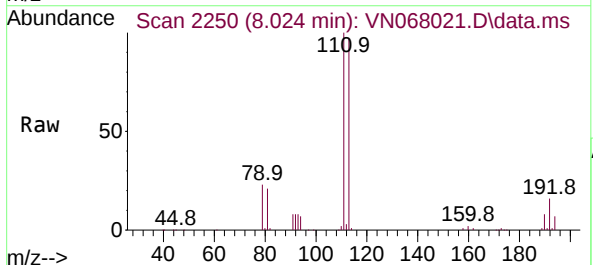
Instrument :
MSVOA_N
ClientSampled :

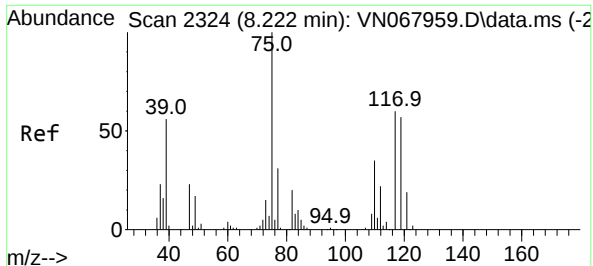
Tgt Ion:114 Resp: 605875
Ion Ratio Lower Upper
114 100
63 20.4 0.0 49.0
88 14.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 57.495 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

Tgt Ion:113 Resp: 203011
Ion Ratio Lower Upper
113 100
111 104.4 83.8 125.8
192 16.1 13.4 20.0

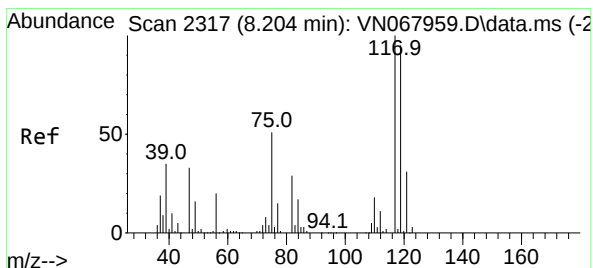
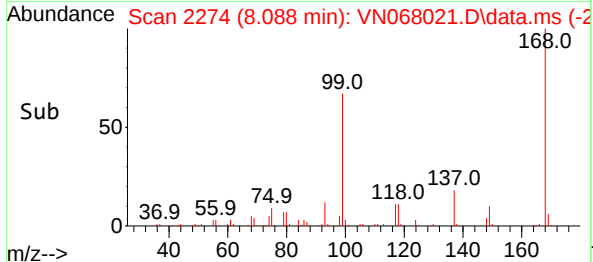
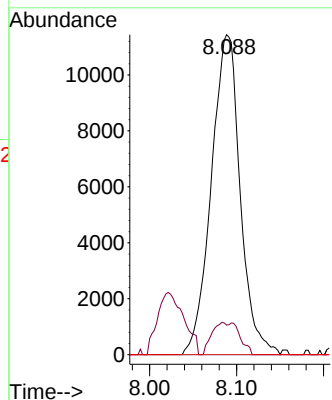
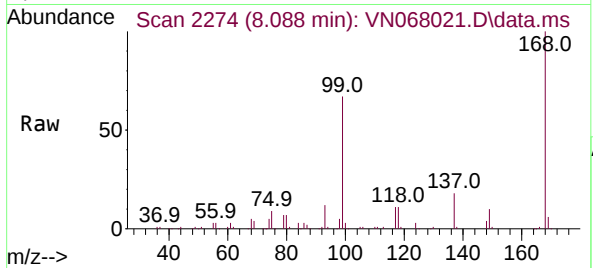




#36
1,1-Dichloropropene
Concen: 4.719 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

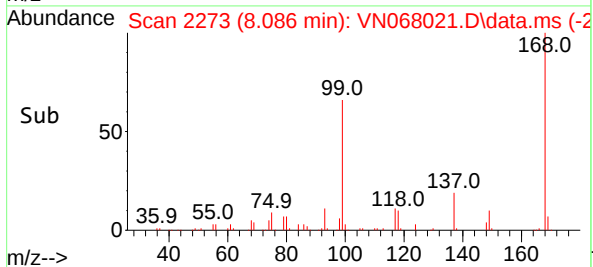
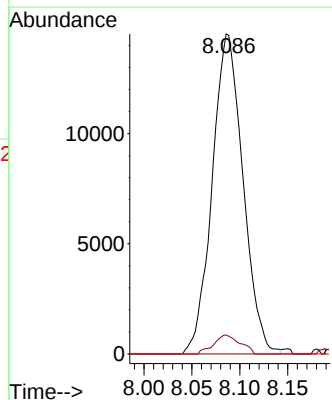
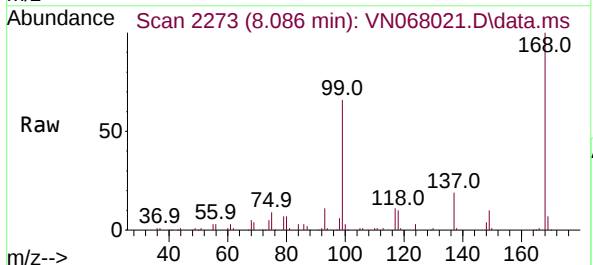
Instrument :
MSVOA_N
ClientSampled :

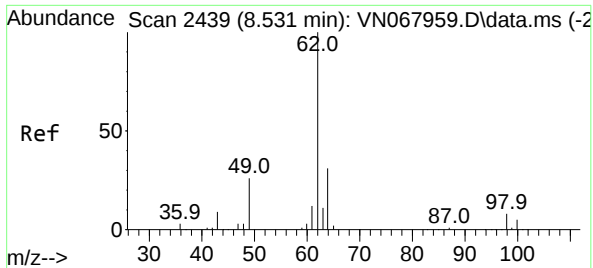
Tgt Ion: 75 Resp: 26448
Ion Ratio Lower Upper
75 100
110 5.3 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.879 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.118 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

Tgt Ion: 117 Resp: 32401
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 23.5 35.3#





#42

1,2-Dichloroethane

Concen: 0.259 ug/l

RT: 8.528 min Scan# 2438

Delta R.T. -0.003 min

Lab File: VN068021.D

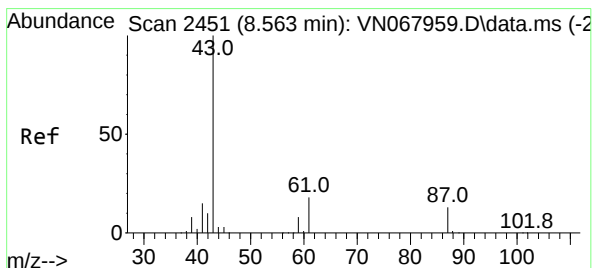
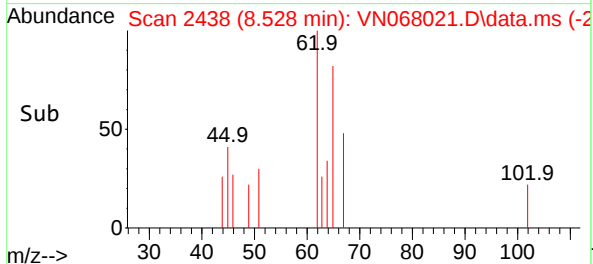
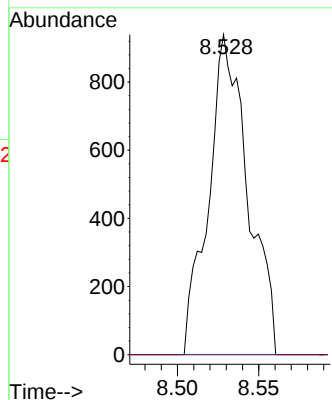
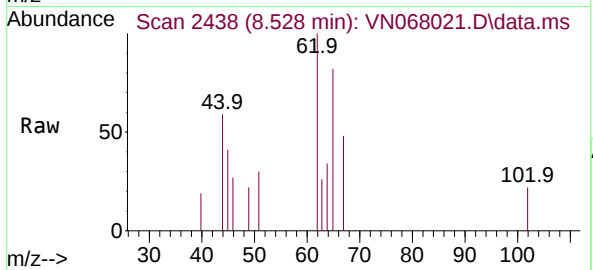
Acq: 5 Aug 2021 17:21

Tgt Ion: 62 Resp: 1585

Ion Ratio Lower Upper

62 100

98 0.0 0.0 14.2



#43

Isopropyl Acetate

Concen: 0.655 ug/l

RT: 8.606 min Scan# 2467

Delta R.T. 0.043 min

Lab File: VN068021.D

Acq: 5 Aug 2021 17:21

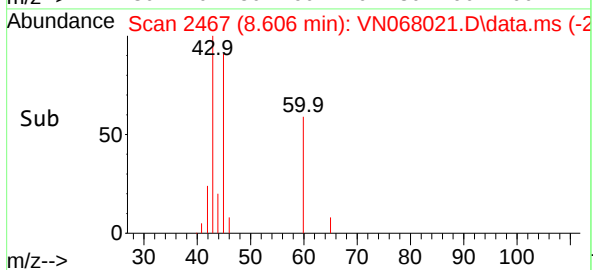
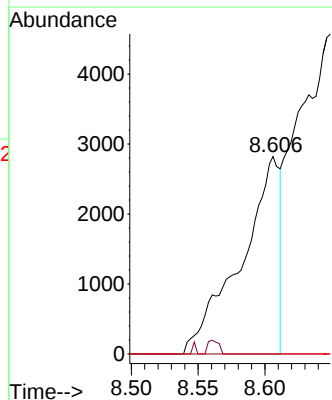
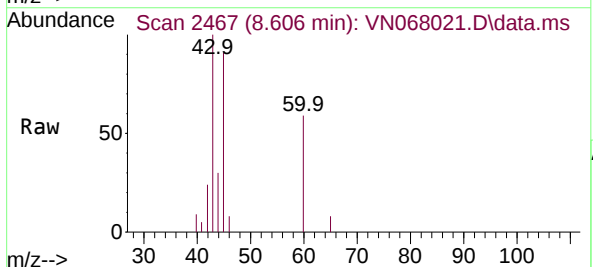
Tgt Ion: 43 Resp: 5754

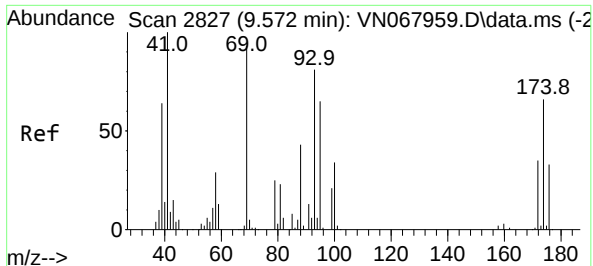
Ion Ratio Lower Upper

43 100

61 0.0 19.0 28.4#

87 0.0 9.5 14.3#





#49

1,4-Dioxane

Concen: 0.772 ug/l

RT: 9.580 min Scan# 2830

Delta R.T. 0.008 min

Lab File: VN068021.D

Acq: 5 Aug 2021 17:21

Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

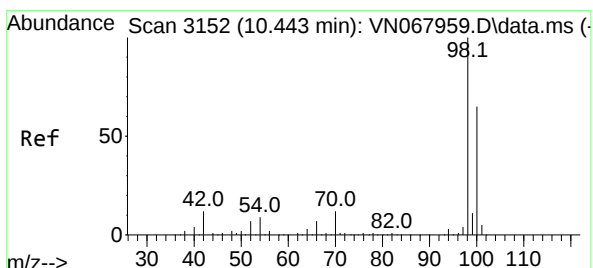
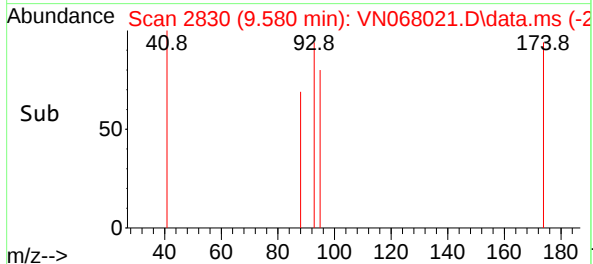
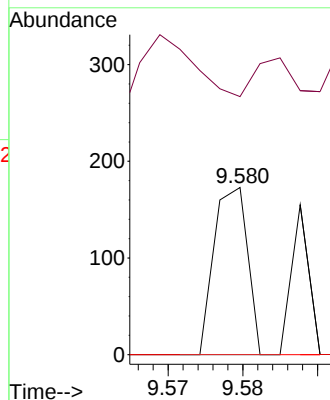
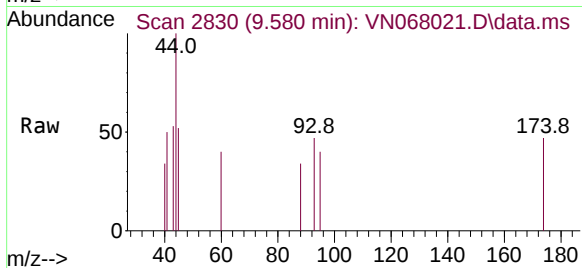
43 0.0 28.8 43.2#

58 0.0 60.4 90.6#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 51.495 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068021.D

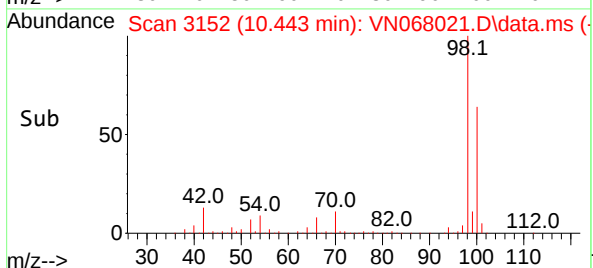
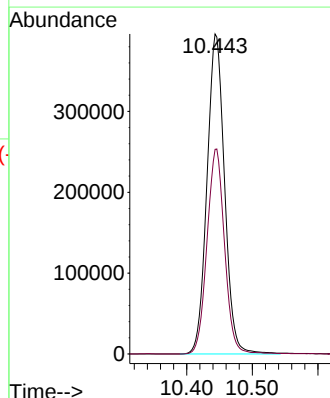
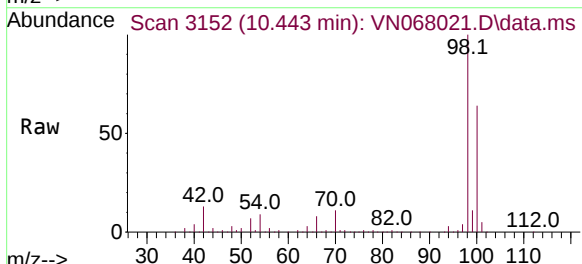
Acq: 5 Aug 2021 17:21

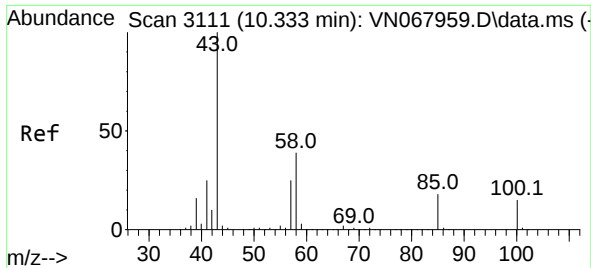
Tgt Ion: 98 Resp: 735885

Ion Ratio Lower Upper

98 100

100 63.8 51.7 77.5

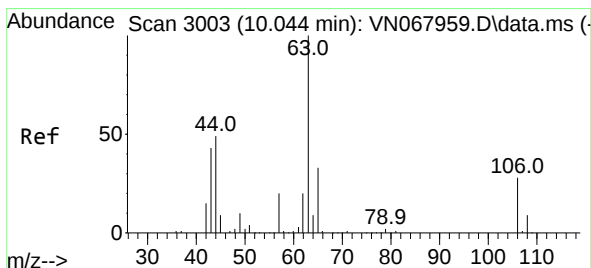
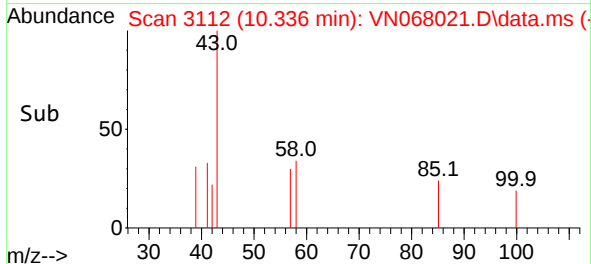
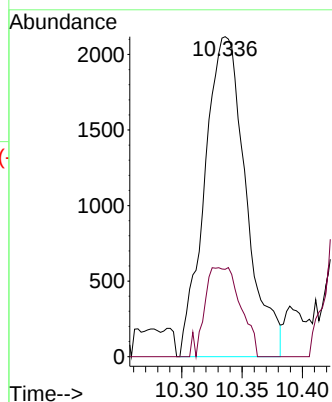
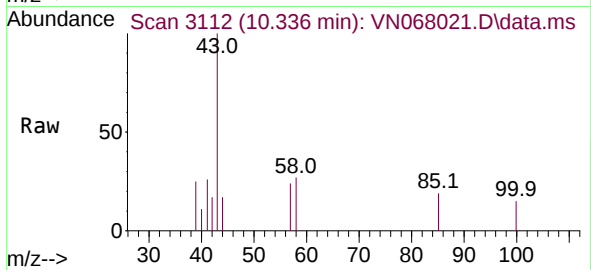




#51
4-Methyl-2-Pentanone
Concen: 0.932 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

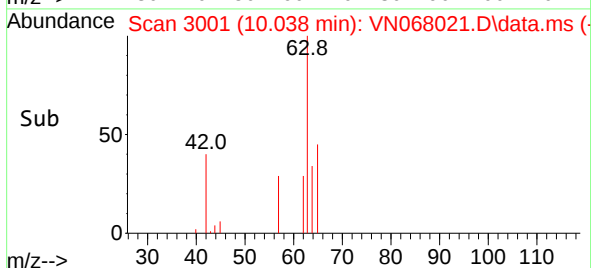
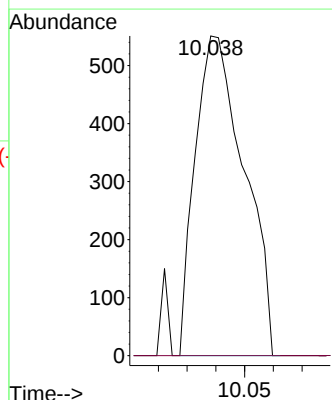
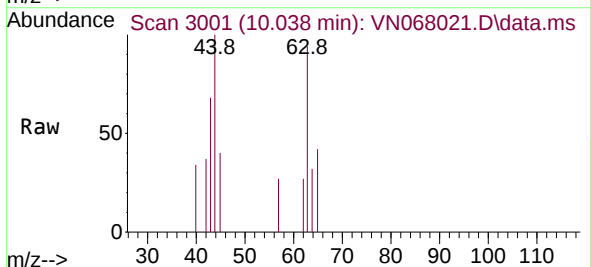
Instrument :
MSVOA_N
ClientSampled :

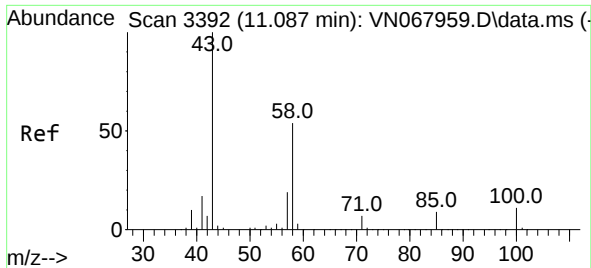
Tgt Ion: 43 Resp: 5051
Ion Ratio Lower Upper
43 100
58 23.9 28.6 43.0#



#58
2-Chloroethyl Vinyl ether
Concen: 0.650 ug/l
RT: 10.038 min Scan# 3001
Delta R.T. -0.006 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

Tgt Ion: 63 Resp: 654
Ion Ratio Lower Upper
63 100
106 0.0 19.8 29.8#

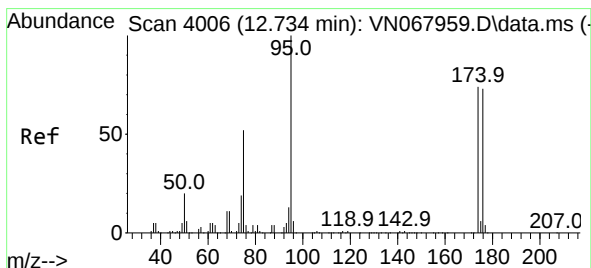
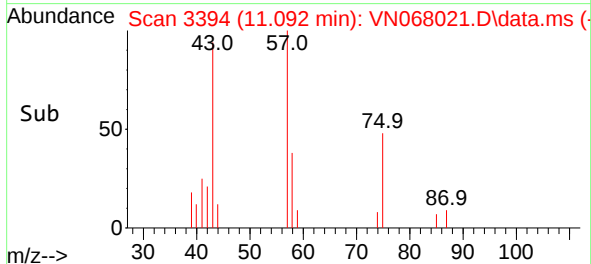
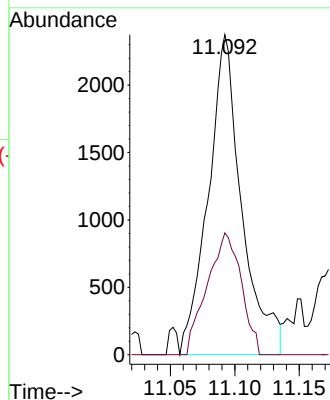
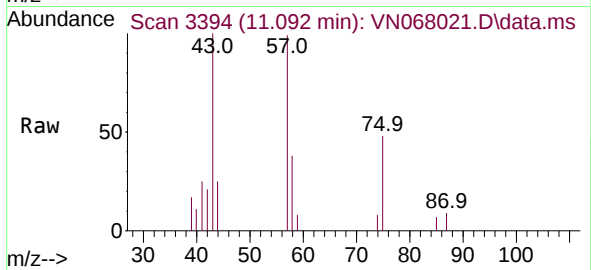




#59
2-Hexanone
Concen: 1.101 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

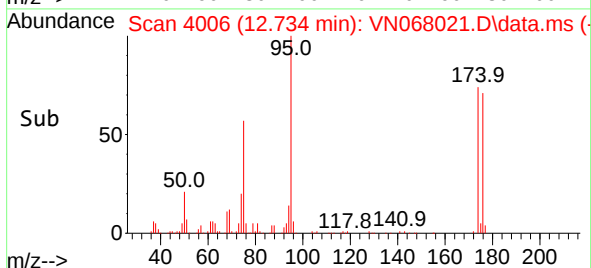
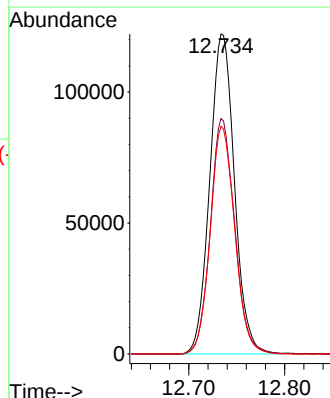
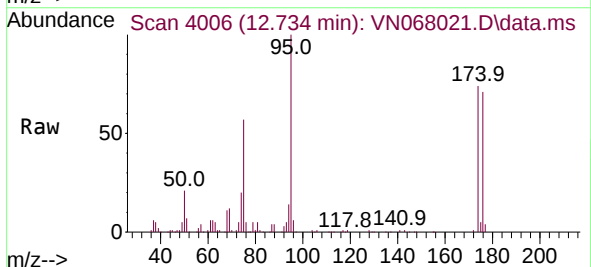
Instrument :
MSVOA_N
ClientSampled :

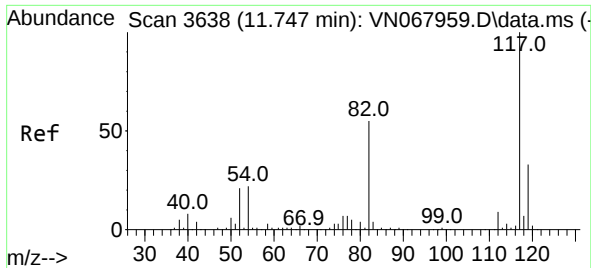
Tgt Ion: 43 Resp: 4285
Ion Ratio Lower Upper
43 100
58 38.6 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 44.092 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

Tgt Ion: 95 Resp: 218269
Ion Ratio Lower Upper
95 100
174 72.8 0.0 122.0
176 70.5 0.0 117.6

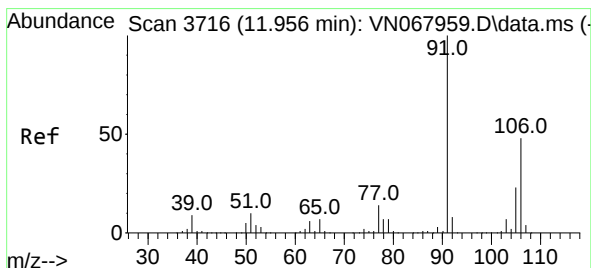
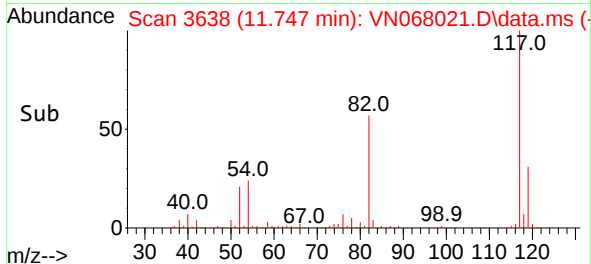
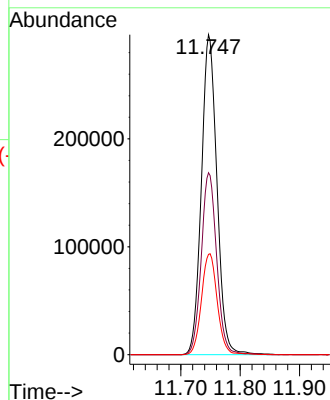
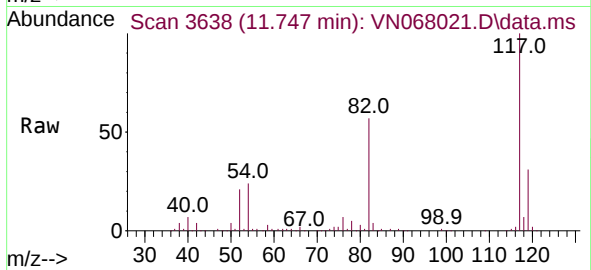




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

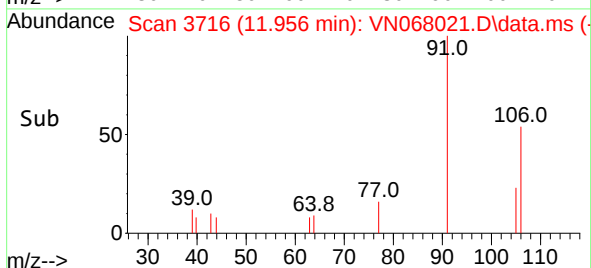
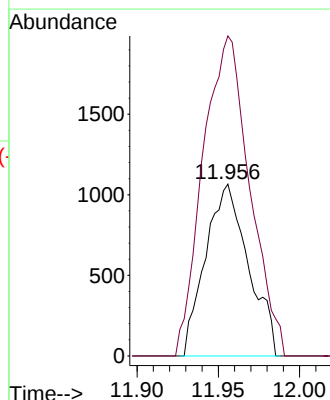
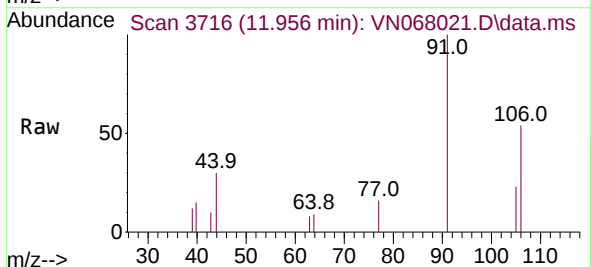
Instrument :
MSVOA_N
ClientSampled :

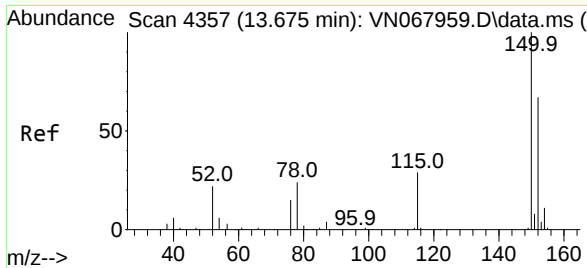
Tgt Ion:117 Resp: 539794
Ion Ratio Lower Upper
117 100
82 56.8 53.1 79.7
119 31.4 25.5 38.3



#68
m/p-Xylenes
Concen: 0.267 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.000 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

Tgt Ion:106 Resp: 1956
Ion Ratio Lower Upper
106 100
91 203.1 180.6 270.8

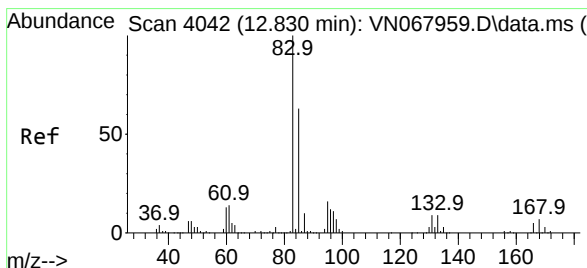
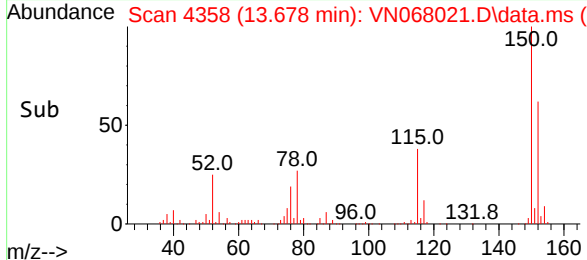
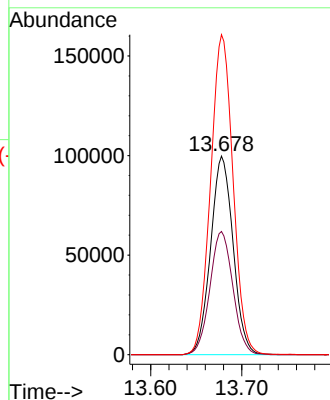
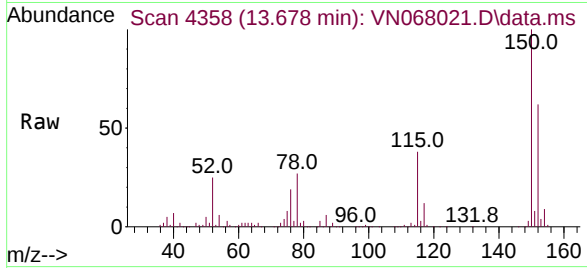




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068021.D
 Acq: 5 Aug 2021 17:21

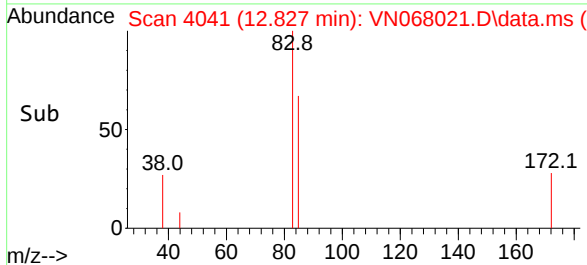
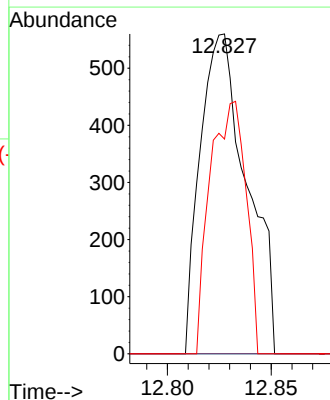
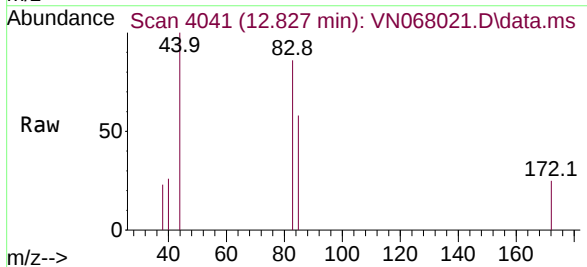
Instrument :
 MSVOA_N
 ClientSampled :

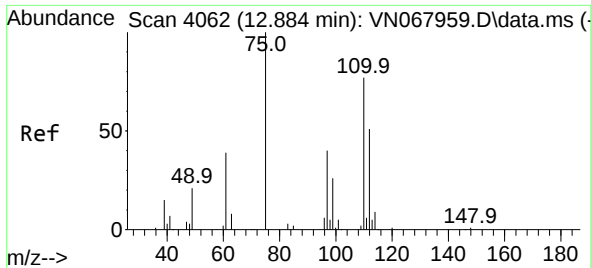
Tgt Ion:152 Resp: 170961
 Ion Ratio Lower Upper
 152 100
 115 63.3 36.1 108.5
 150 160.7 0.0 351.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.208 ug/l
 RT: 12.827 min Scan# 4041
 Delta R.T. -0.003 min
 Lab File: VN068021.D
 Acq: 5 Aug 2021 17:21

Tgt Ion: 83 Resp: 876
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.8 14.4#
 85 60.6 32.2 96.6

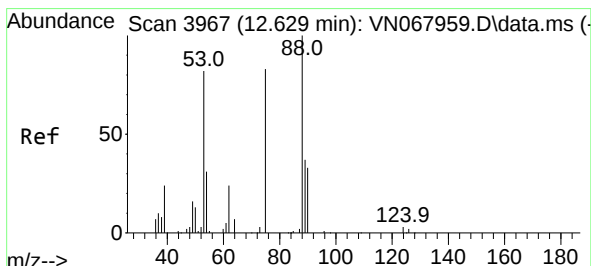
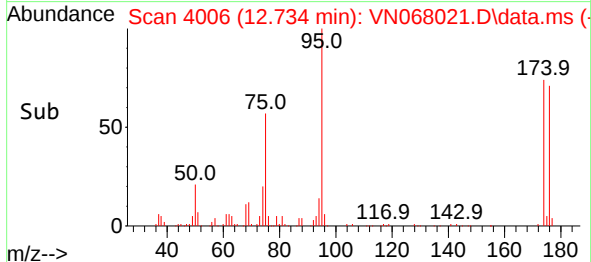
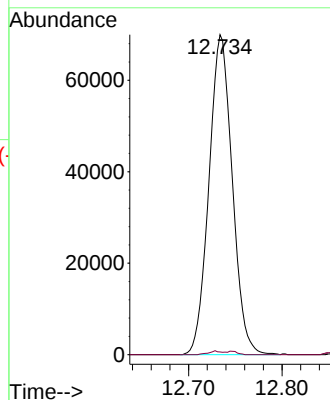
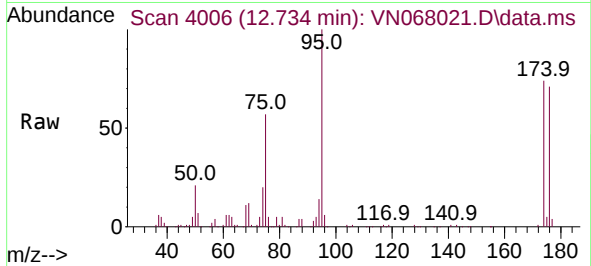




#76
1,2,3-Trichloropropane
Concen: 35.393 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

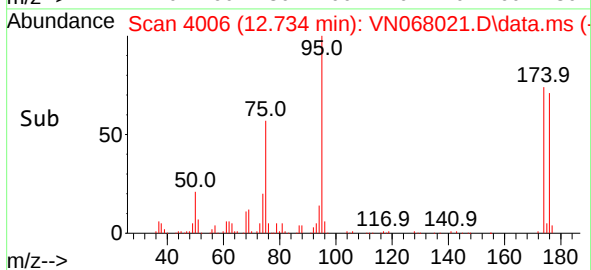
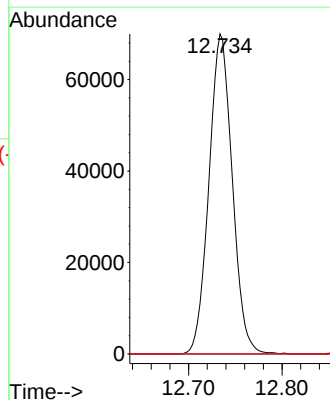
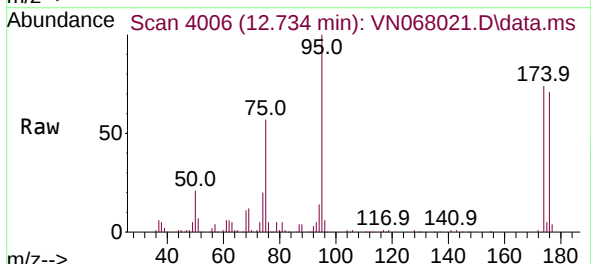
Instrument :
MSVOA_N
ClientSampled :

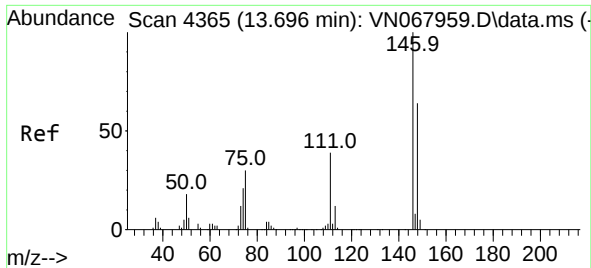
Tgt Ion: 75 Resp: 121518
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.732 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068021.D
Acq: 5 Aug 2021 17:21

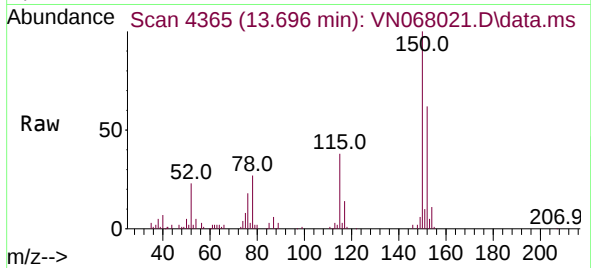
Tgt Ion: 75 Resp: 121518
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#88
 1,4-Dichlorobenzene
 Concen: 0.202 ug/l
 RT: 13.696 min Scan# 4365
 Delta R.T. 0.000 min
 Lab File: VN068021.D
 Acq: 5 Aug 2021 17:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:146 Resp: 1171
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.4 70.2#
 148 84.5 31.8 95.3

