

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072621\
 Data File : VN067902.D
 Acq On : 26 Jul 2021 13:10
 Operator : JC/MD
 Sample : M3117-08
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 26 13:33:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

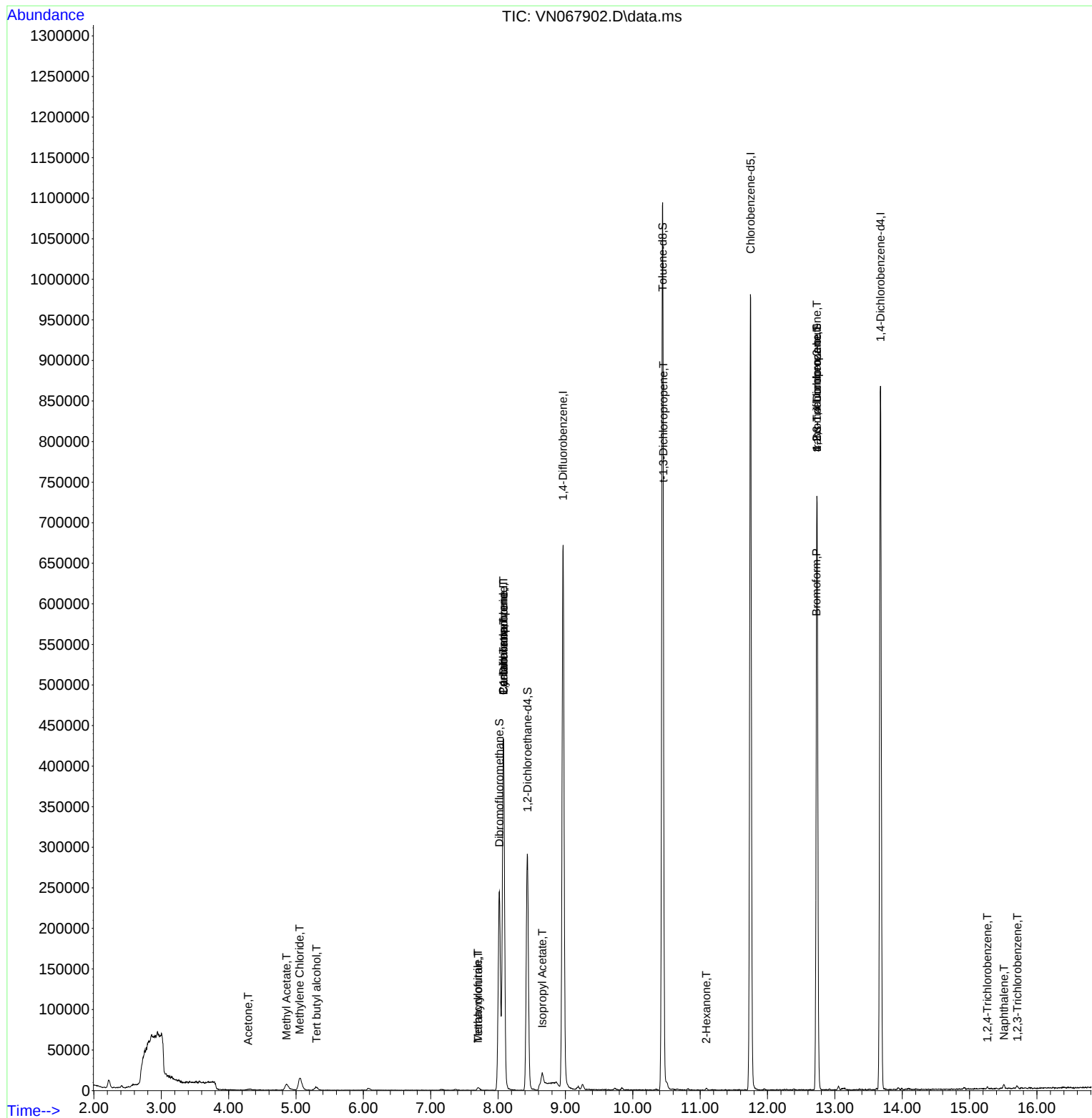
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.080	168	314179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	599317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	561664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	225566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	248057	52.242	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.480%	
35) Dibromofluoromethane	8.019	113	179239	49.501	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.000%	
50) Toluene-d8	10.443	98	762008	50.277	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.560%	
62) 4-Bromofluorobenzene	12.733	95	257499	48.094	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 96.180%	
Target Compounds						Qvalue
5) Bromomethane	2.848	94	194	Below Cal	#	4
6) Chloroethane	2.982	64	137	Below Cal	#	44
7) Trichlorofluoromethane	3.274	101	259	Below Cal	#	18
11) Tert butyl alcohol	5.304	59	2838	4.159	ug/l #	71
13) Acrolein	4.020	56	181	Below Cal	#	82
16) Acetone	4.291	43	521	0.349	ug/l #	48
18) Methyl Acetate	4.859	43	15909	3.791	ug/l	97
20) Methylene Chloride	5.052	84	5425	0.872	ug/l	89
29) Tetrahydrofuran	7.705	42	2637	1.616	ug/l #	75
31) Cyclohexane	8.080	56	8347	1.254	ug/l #	31
36) 1,1-Dichloropropene	8.080	75	28085	5.045	ug/l #	50
38) Carbon Tetrachloride	8.080	117	35003	6.374	ug/l #	16
41) Methacrylonitrile	7.702	41	1419	0.512	ug/l #	38
43) Isopropyl Acetate	8.657	43	21635	2.280	ug/l #	58
53) t-1,3-Dichloropropene	10.454	75	51	1.751	ug/l #	79
59) 2-Hexanone	11.092	43	1650	0.406	ug/l	95
71) Bromoform	12.725	173	401	3.280	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	142518	30.939	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	142518	99.749	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	673	2.844	ug/l	89
95) Naphthalene	15.509	128	5243	3.458	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.708	180	501	2.764	ug/l #	12

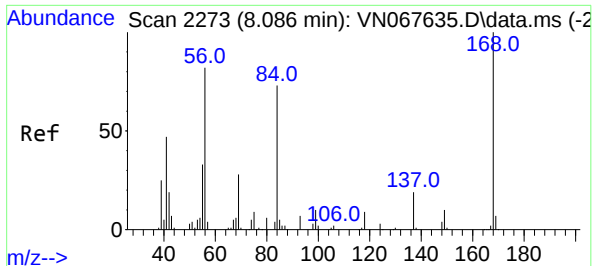
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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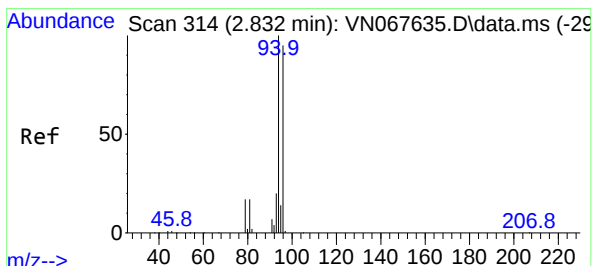
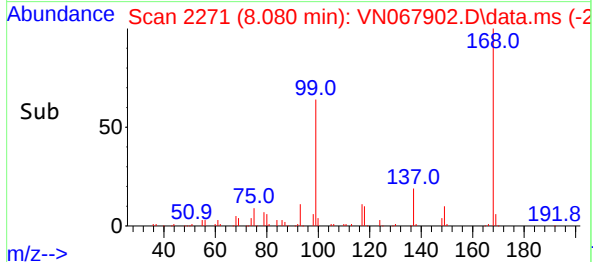
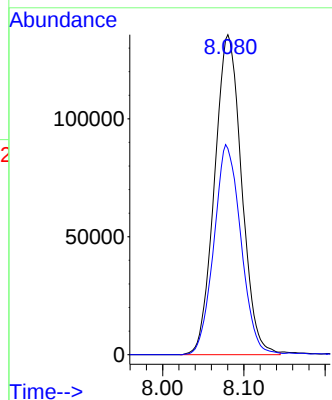
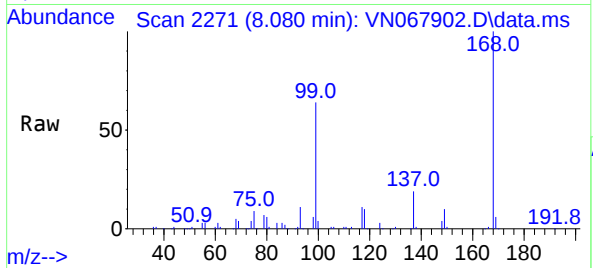




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.006 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

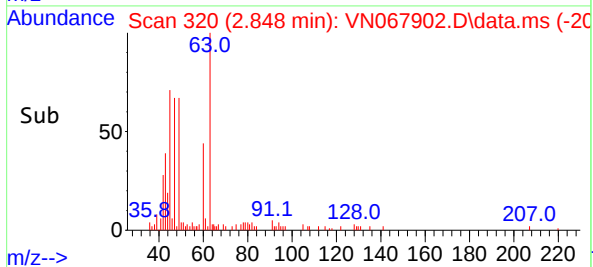
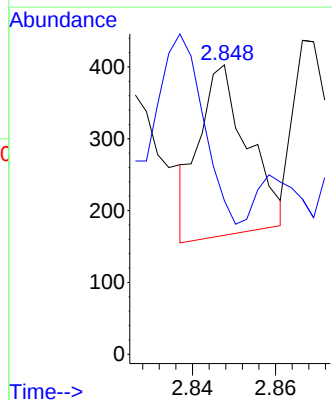
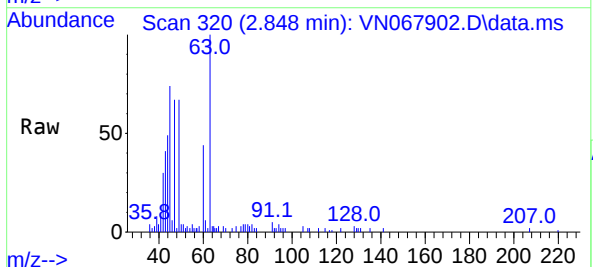
Instrument :
MSVOA_N
ClientSampleId :

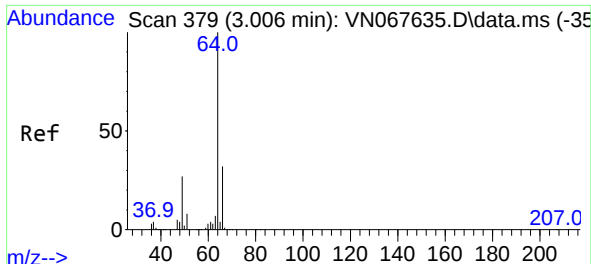
Tgt Ion:168 Resp: 314179
Ion Ratio Lower Upper
168 100
99 64.4 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.848 min Scan# 320
Delta R.T. 0.016 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Tgt Ion: 94 Resp: 194
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

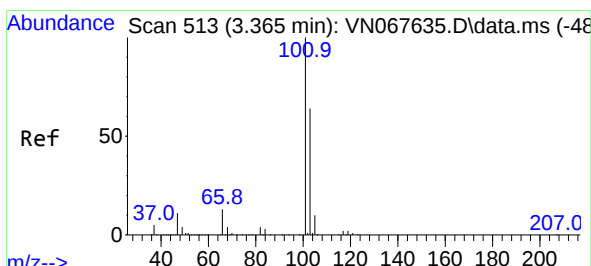
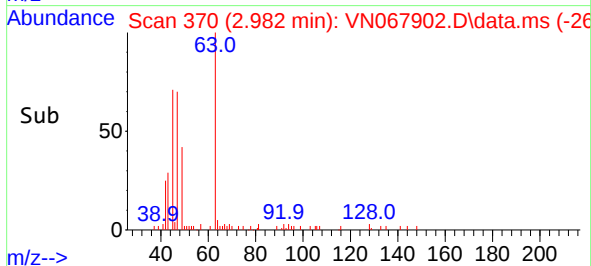
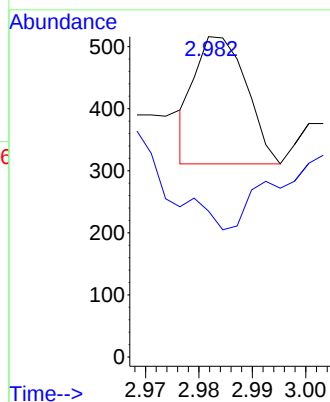
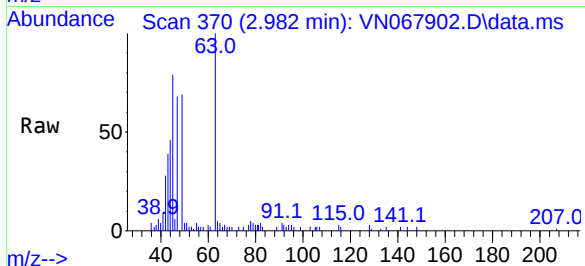




#6
Chloroethane
Concen: Below Cal
RT: 2.982 min Scan# 370
Delta R.T. -0.024 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

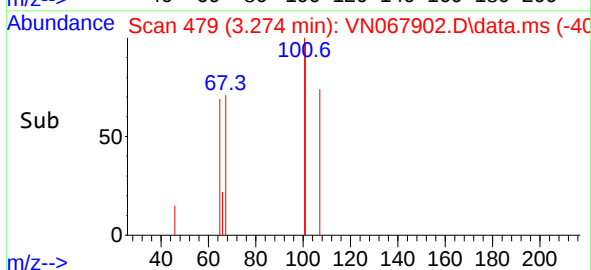
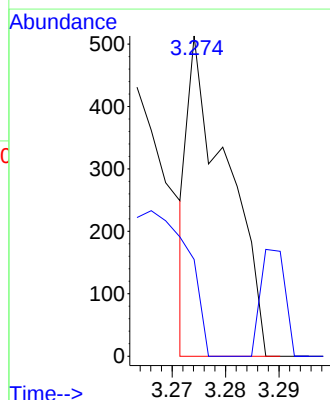
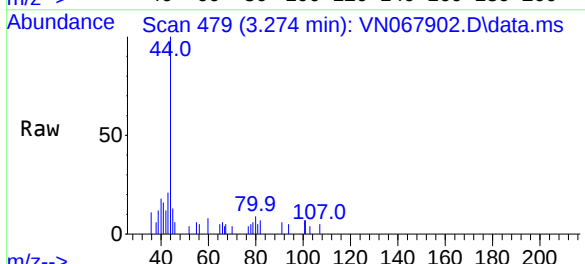
Instrument :
MSVOA_N
ClientSampled :

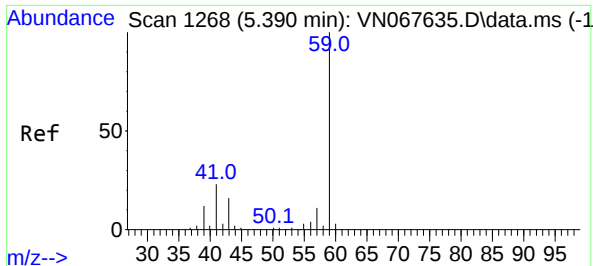
Tgt Ion: 64 Resp: 137
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.274 min Scan# 479
Delta R.T. -0.091 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Tgt Ion: 101 Resp: 259
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#

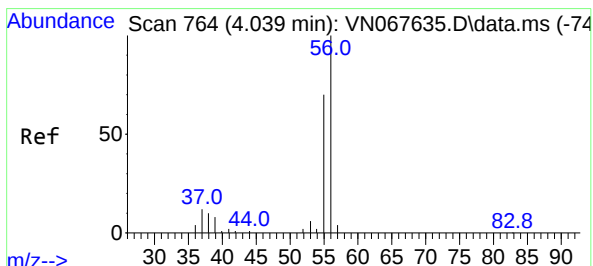
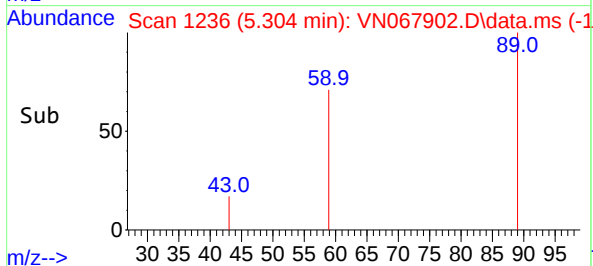
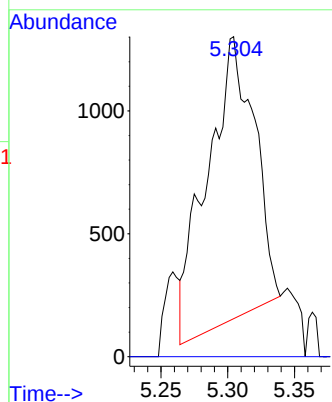
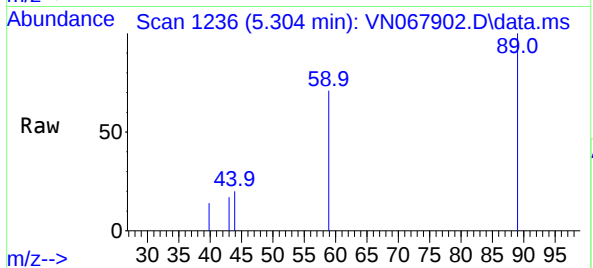




#11
Tert butyl alcohol
Concen: 4.159 ug/l
RT: 5.304 min Scan# 1236
Delta R.T. -0.086 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

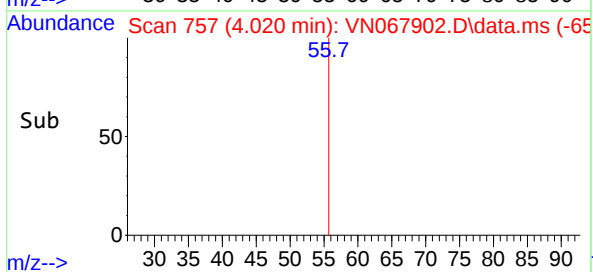
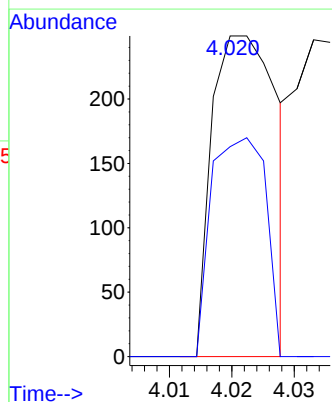
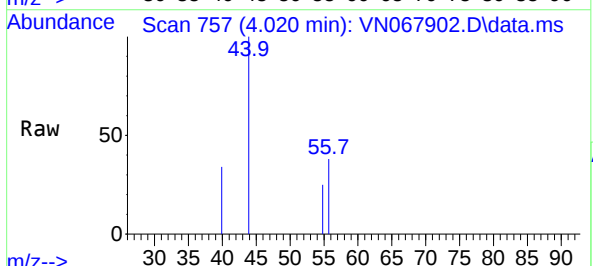
Instrument :
MSVOA_N
ClientSampled :

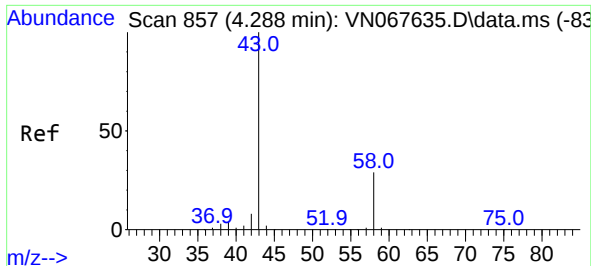
Tgt Ion: 59 Resp: 2838
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: Below Cal
RT: 4.020 min Scan# 757
Delta R.T. -0.019 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Tgt Ion: 56 Resp: 181
Ion Ratio Lower Upper
56 100
55 56.4 57.4 86.0#

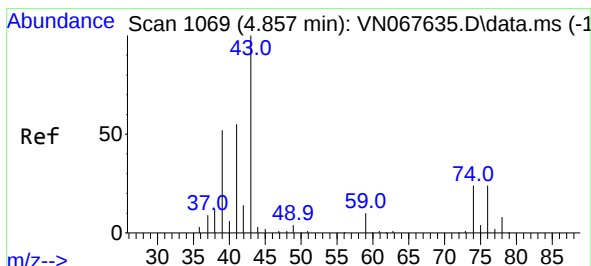
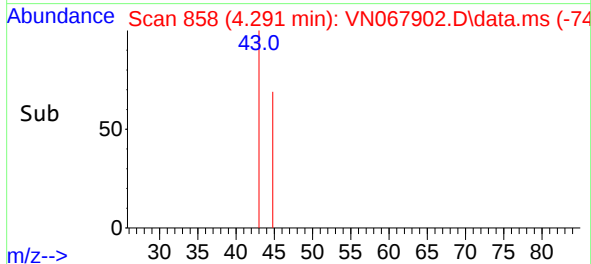
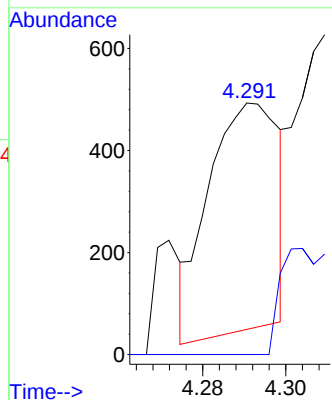
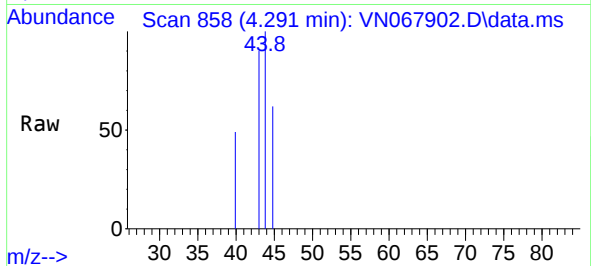




#16
Acetone
Concen: 0.349 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

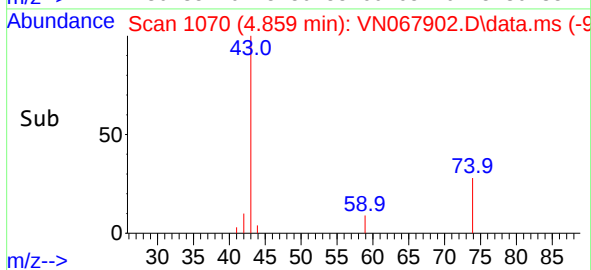
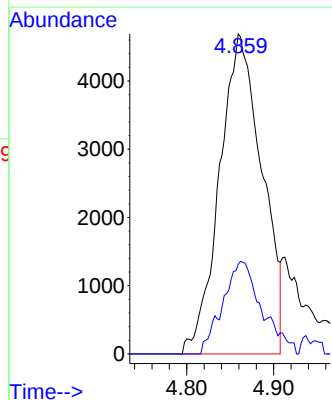
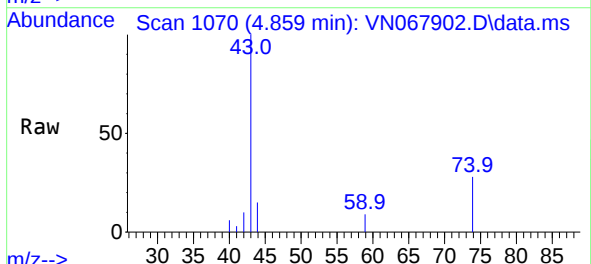
Instrument :
MSVOA_N
ClientSampled :

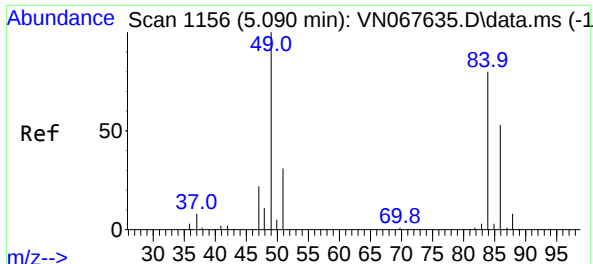
Tgt Ion: 43 Resp: 521
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



#18
Methyl Acetate
Concen: 3.791 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.002 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Tgt Ion: 43 Resp: 15909
Ion Ratio Lower Upper
43 100
74 22.9 17.4 26.0





#20

Methylene Chloride

Concen: 0.872 ug/l

RT: 5.052 min Scan# 1142

Delta R.T. -0.038 min

Lab File: VN067902.D

Acq: 26 Jul 2021 13:10

Tgt Ion: 84 Resp: 5425

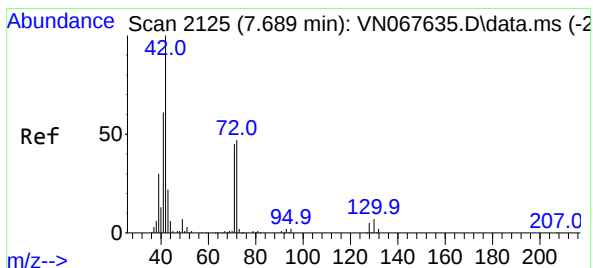
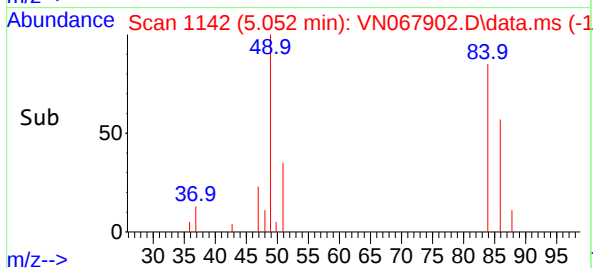
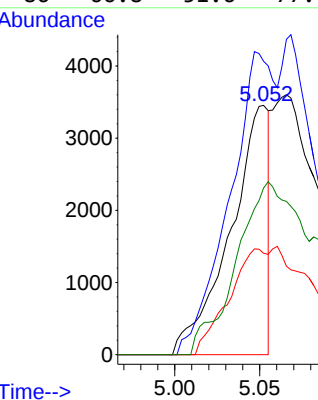
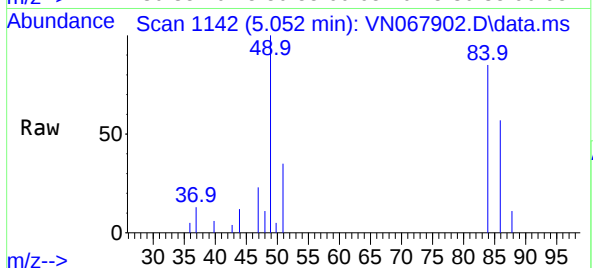
Ion Ratio Lower Upper

84 100

49 117.7 110.9 166.3

51 40.7 32.6 49.0

86 66.8 51.6 77.4



#29

Tetrahydrofuran

Concen: 1.616 ug/l

RT: 7.705 min Scan# 2131

Delta R.T. 0.016 min

Lab File: VN067902.D

Acq: 26 Jul 2021 13:10

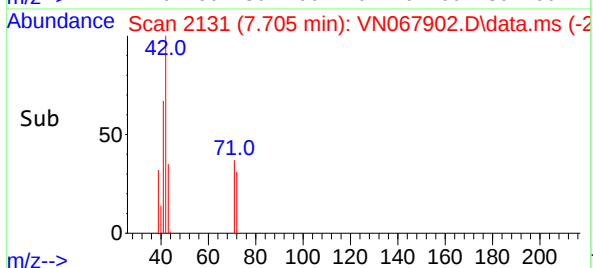
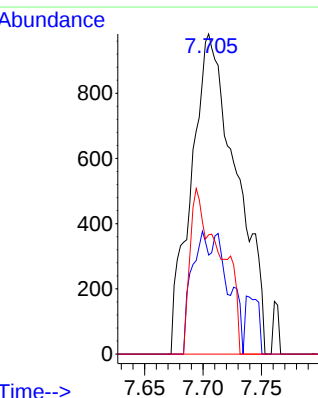
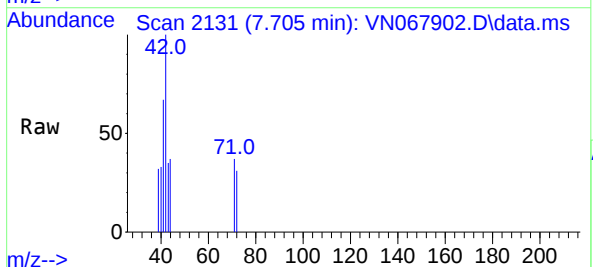
Tgt Ion: 42 Resp: 2637

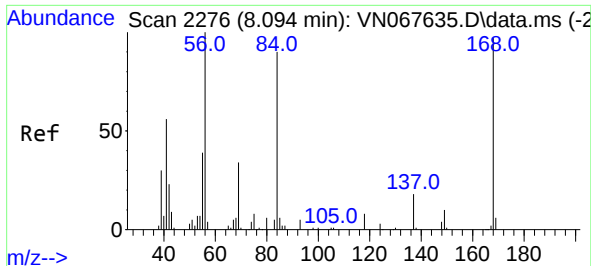
Ion Ratio Lower Upper

42 100

72 14.4 32.8 49.2#

71 34.7 31.2 46.8

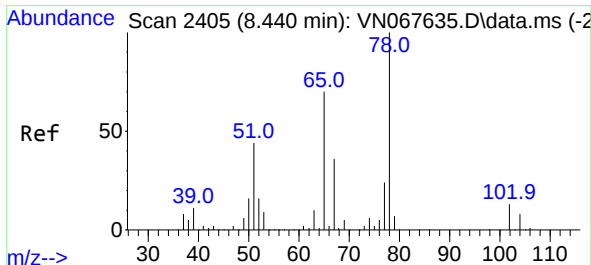
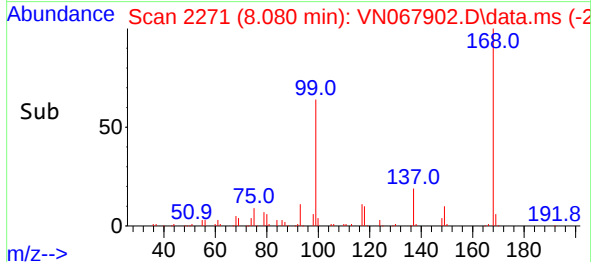
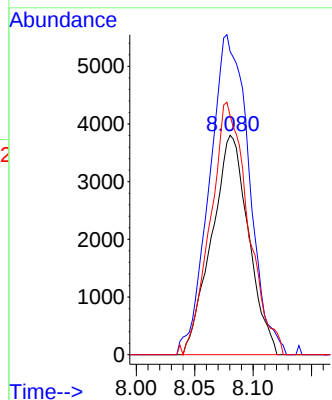
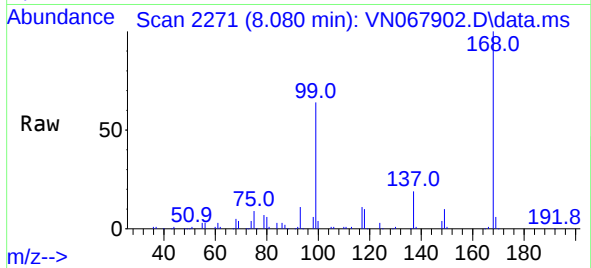




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.014 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

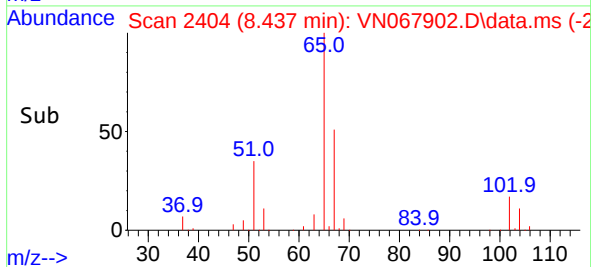
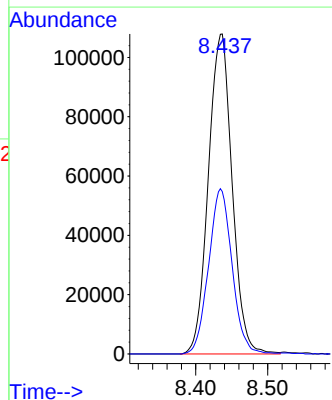
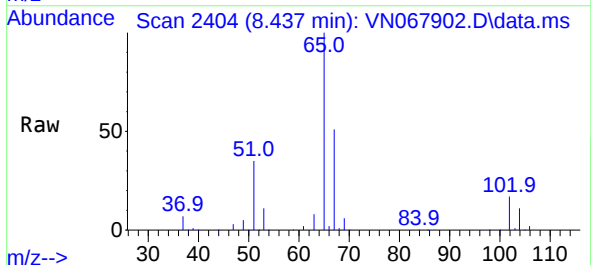
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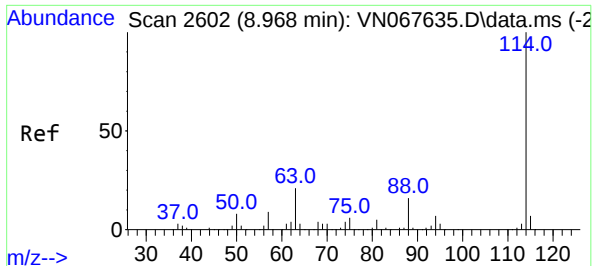
Tgt Ion: 56 Resp: 8347
Ion Ratio Lower Upper
56 100
69 132.5 27.3 40.9#
84 104.5 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.242 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Tgt Ion: 65 Resp: 248057
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.6

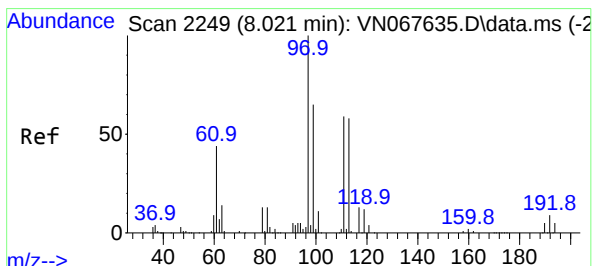
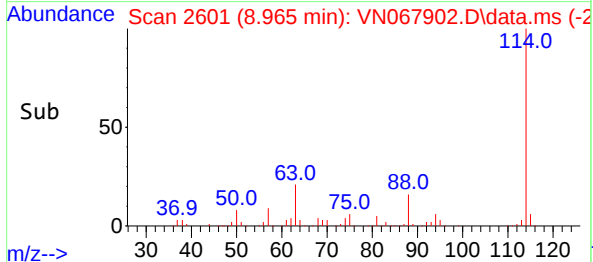
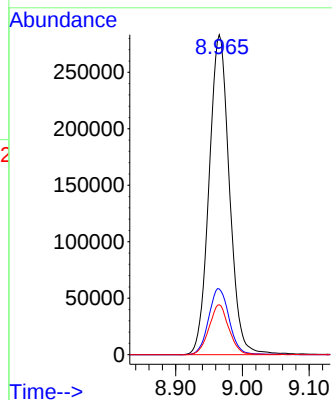
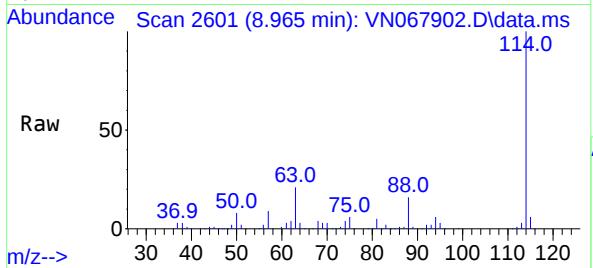




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

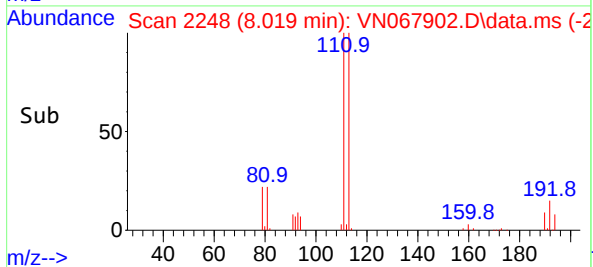
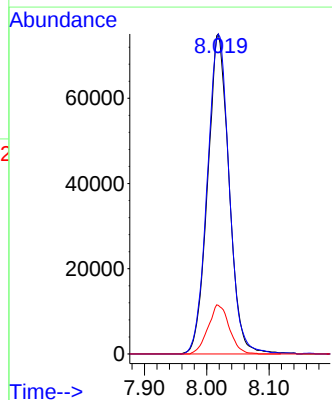
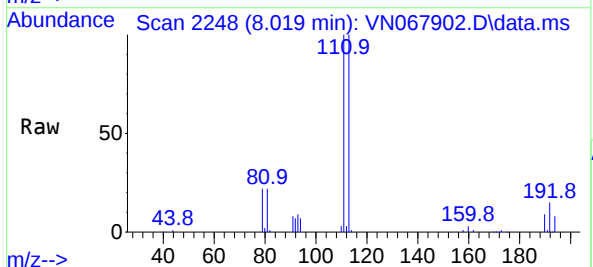
Instrument :
MSVOA_N
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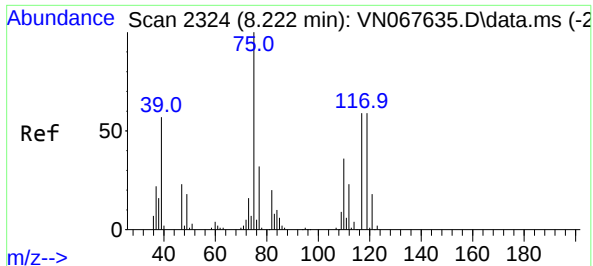
Tgt Ion:114 Resp: 599317
Ion Ratio Lower Upper
114 100
63 20.6 0.0 49.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.501 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.002 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Tgt Ion:113 Resp: 179239
Ion Ratio Lower Upper
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111 102.4 83.8 125.8
192 15.3 13.4 20.0

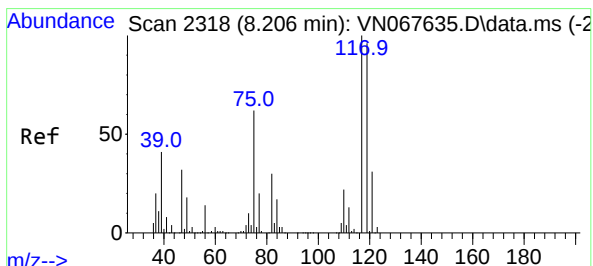
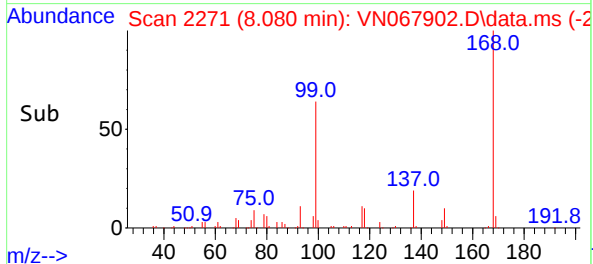
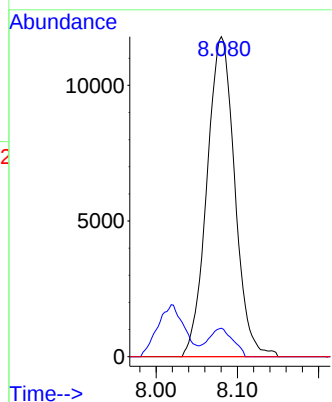
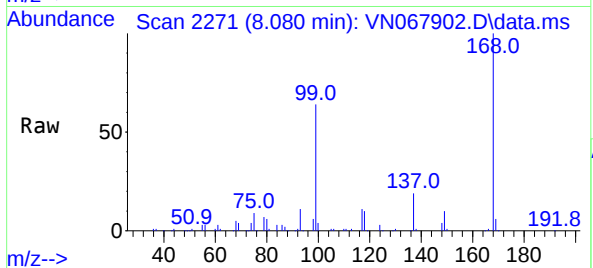




#36
1,1-Dichloropropene
Concen: 5.045 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.142 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

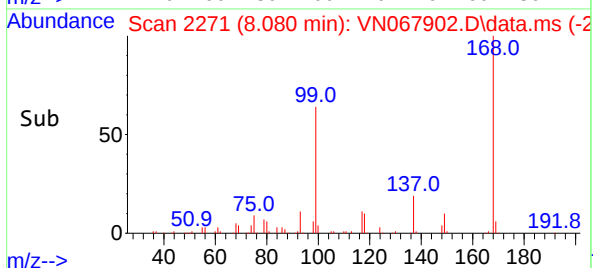
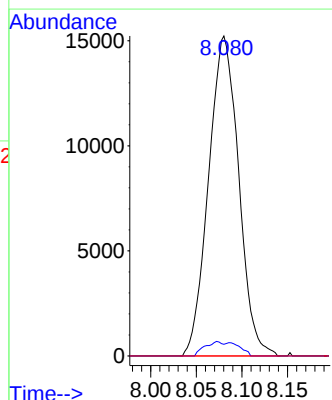
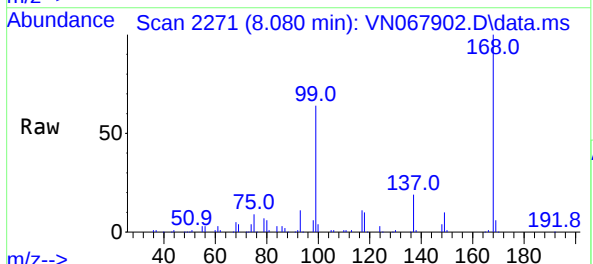
Instrument :
MSVOA_N
ClientSampled :

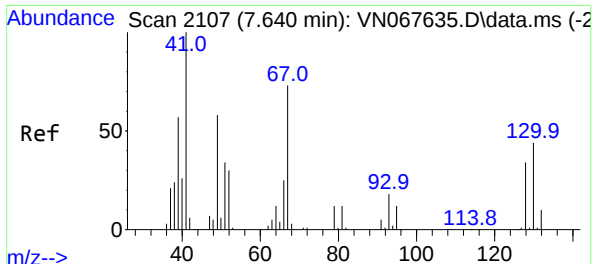
Tgt Ion: 75 Resp: 28085
Ion Ratio Lower Upper
75 100
110 7.6 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.374 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.126 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Tgt Ion: 117 Resp: 35003
Ion Ratio Lower Upper
117 100
119 3.6 75.4 113.2#
121 0.0 23.5 35.3#



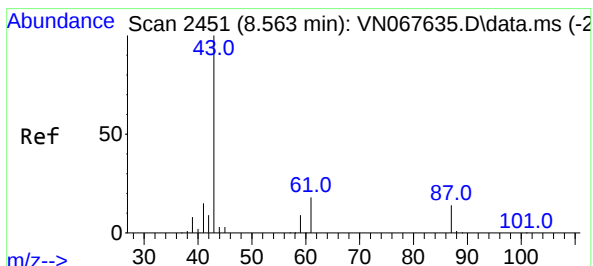
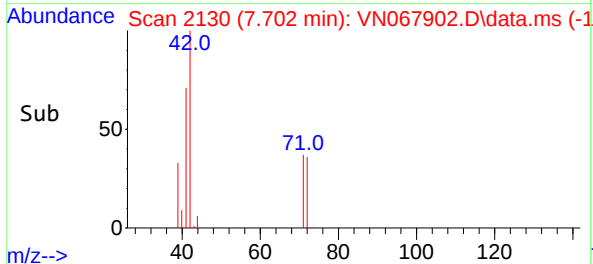
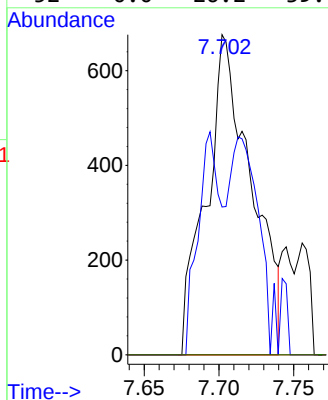
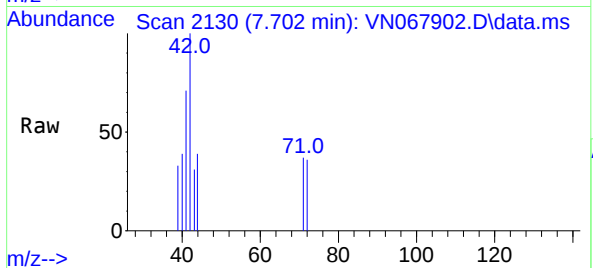


#41
Methacrylonitrile
Concen: 0.512 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.062 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 41 Resp: 1419

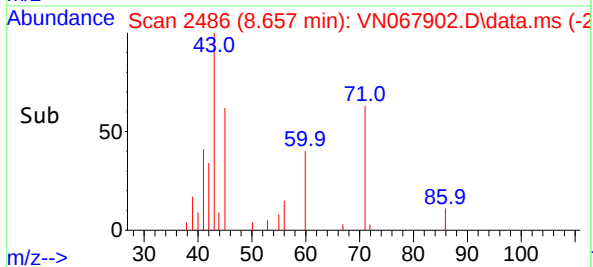
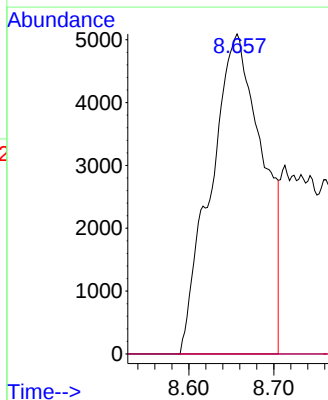
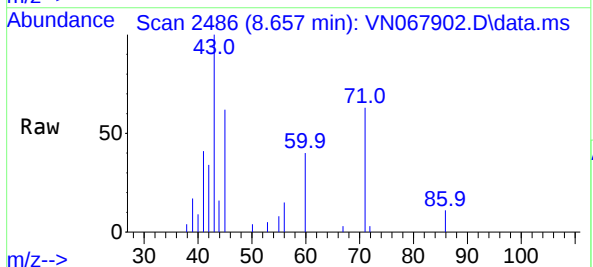
Ion	Ratio	Lower	Upper
41	100		
39	33.2	47.6	71.4#
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#

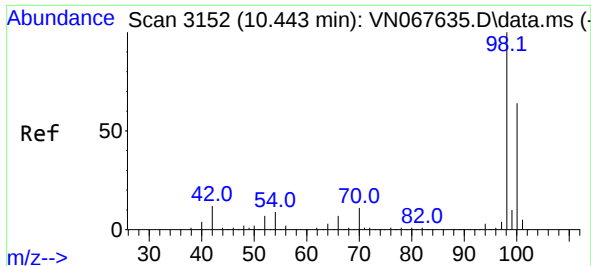


#43
Isopropyl Acetate
Concen: 2.280 ug/l
RT: 8.657 min Scan# 2486
Delta R.T. 0.094 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Tgt Ion: 43 Resp: 21635

Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.0	28.4#
87	0.0	9.5	14.3#

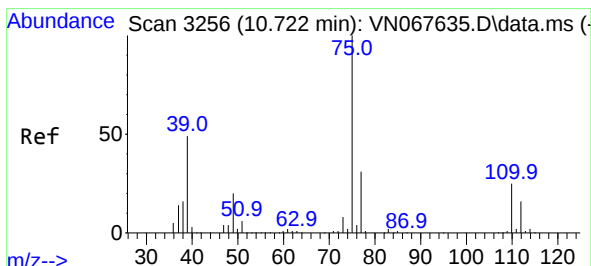
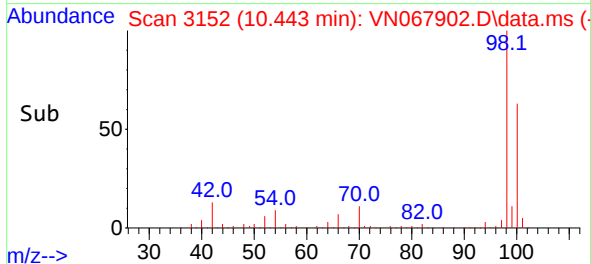
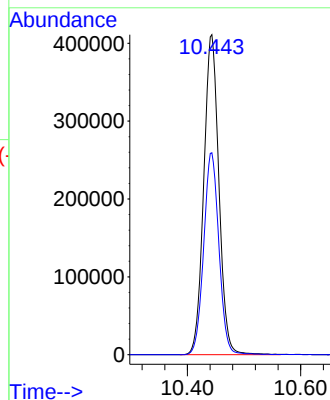
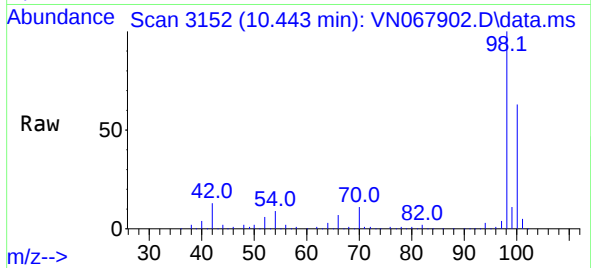




#50
Toluene-d8
Concen: 50.277 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

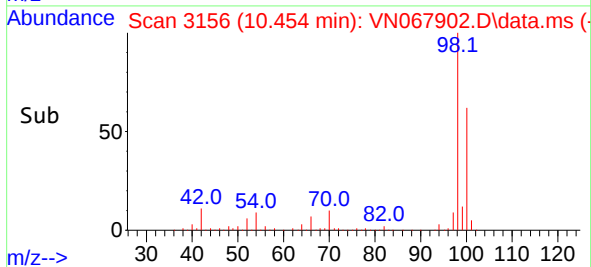
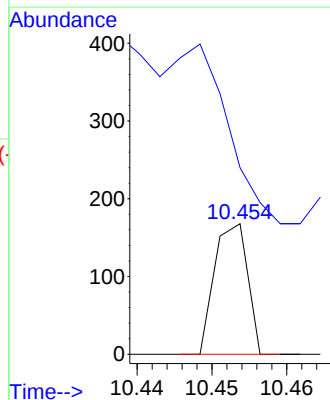
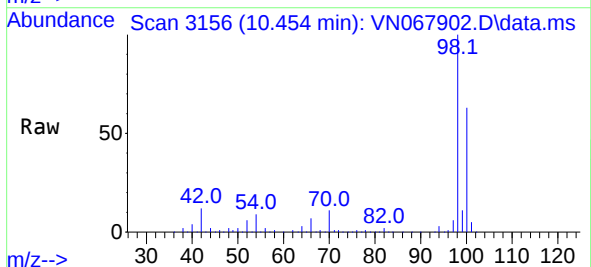
Instrument :
MSVOA_N
ClientSampled :

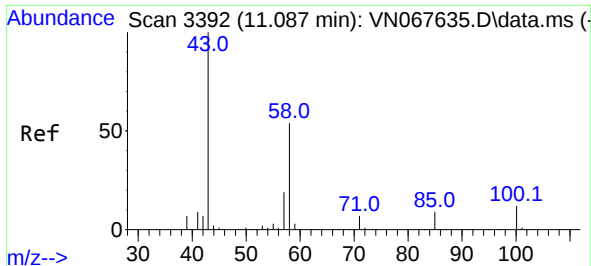
Tgt Ion: 98 Resp: 762008
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.751 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. -0.268 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
77 42.9 25.1 37.7#

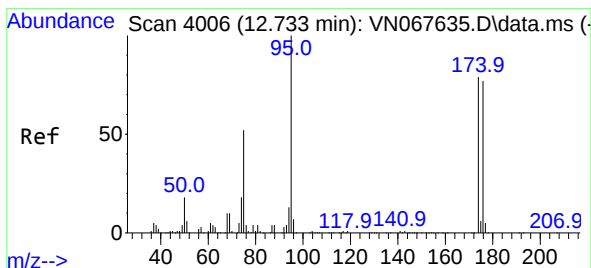
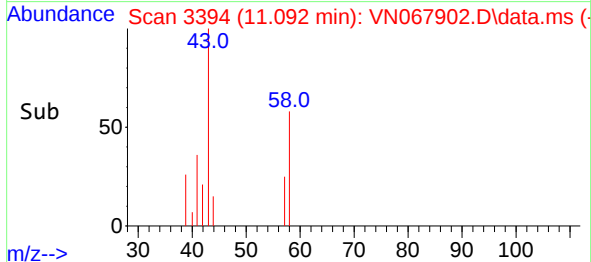
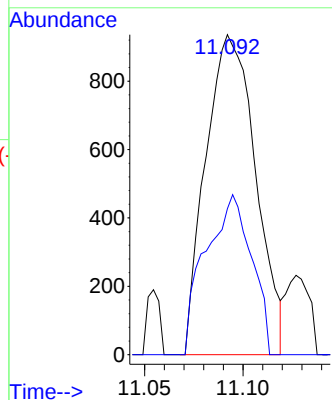
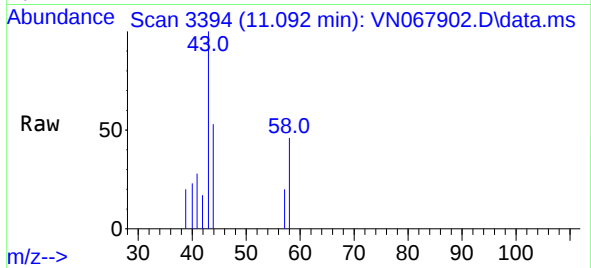




#59
2-Hexanone
Concen: 0.406 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

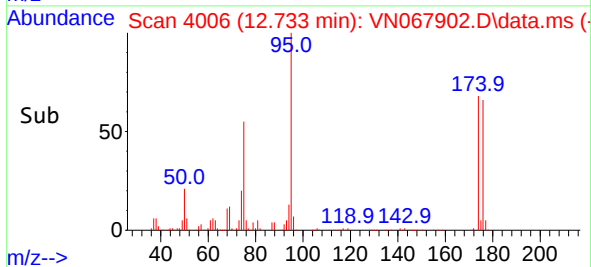
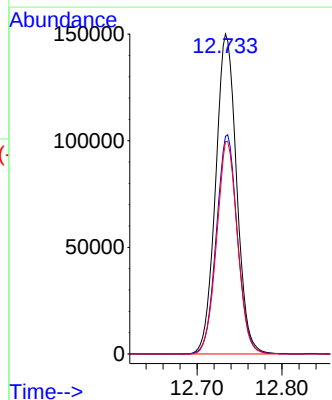
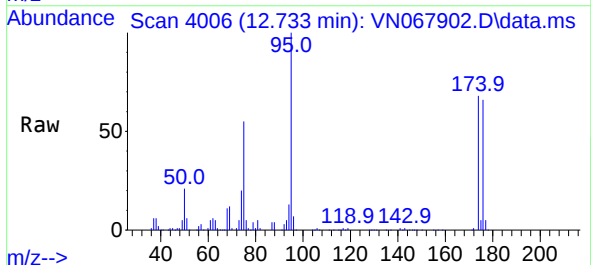
Instrument :
MSVOA_N
ClientSampled :

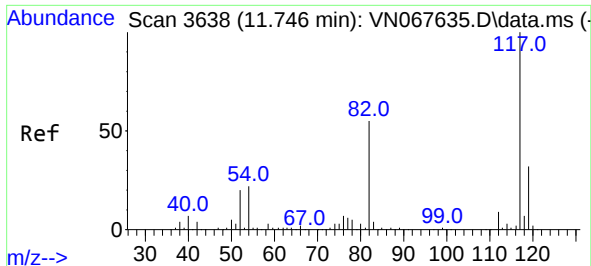
Tgt Ion: 43 Resp: 1650
Ion Ratio Lower Upper
43 100
58 46.0 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 48.094 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Tgt Ion: 95 Resp: 257499
Ion Ratio Lower Upper
95 100
174 69.1 0.0 122.0
176 66.1 0.0 117.6

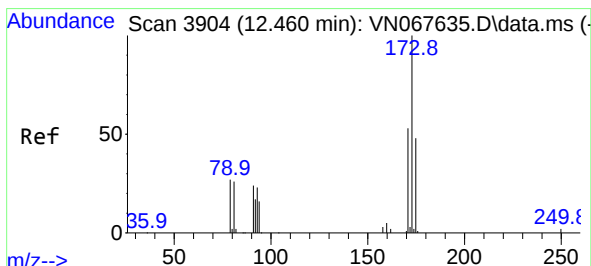
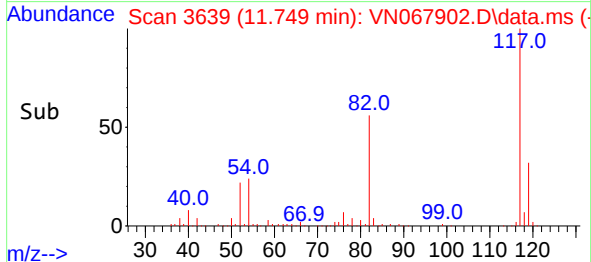
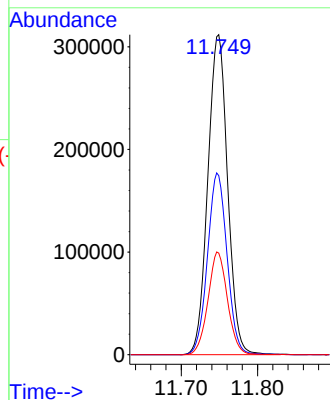
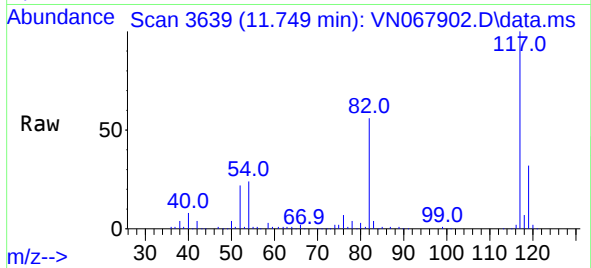




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

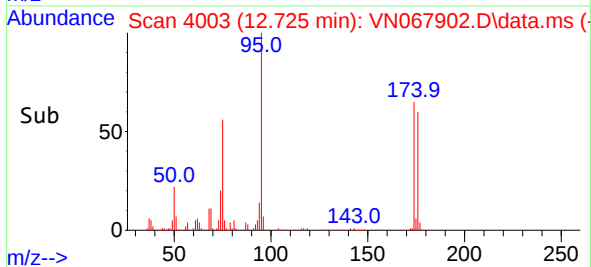
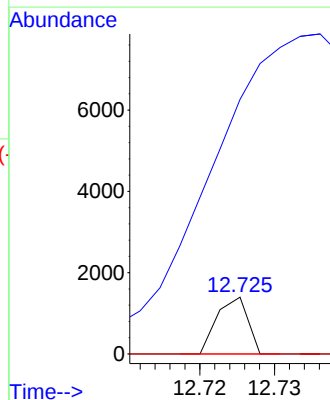
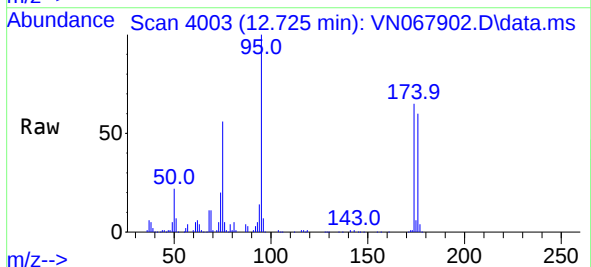
Instrument :
MSVOA_N
ClientSampleId :

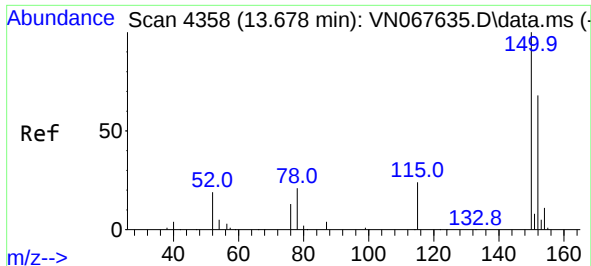
Tgt Ion:117 Resp: 561664
Ion Ratio Lower Upper
117 100
82 55.9 53.1 79.7
119 31.8 25.5 38.3



#71
Bromoform
Concen: 3.280 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Tgt Ion:173 Resp: 401
Ion Ratio Lower Upper
173 100
175 3227.9 23.9 71.8#
254 0.0 0.0 0.0

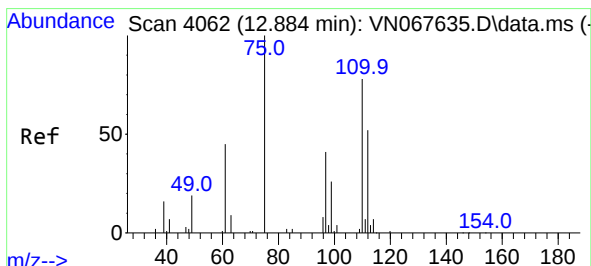
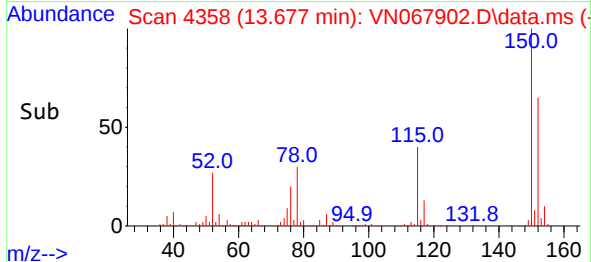
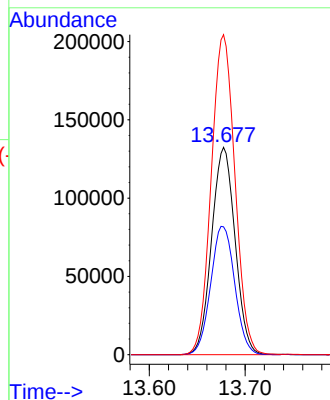
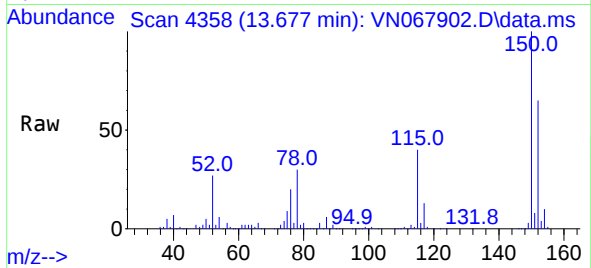




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

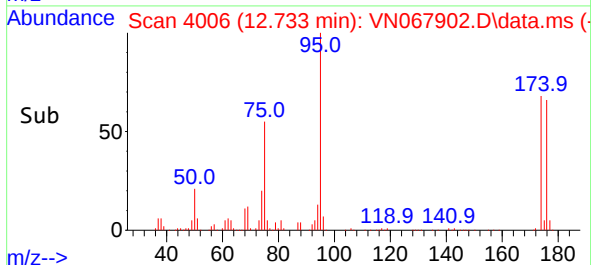
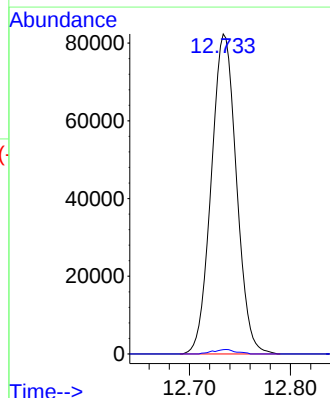
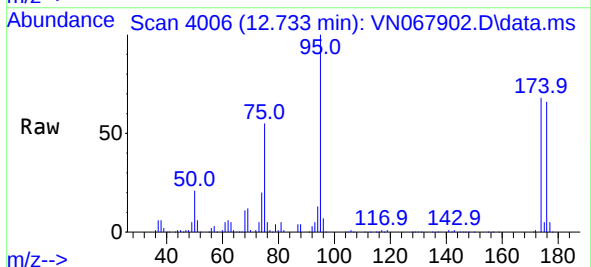
Instrument :
MSVOA_N
ClientSampleId :

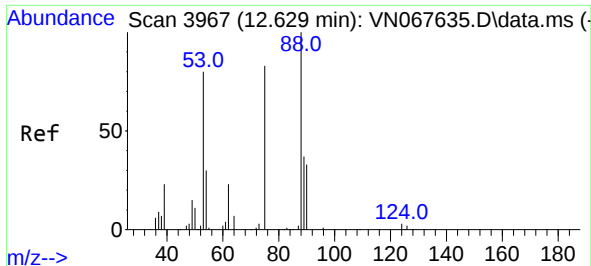
Tgt Ion:152 Resp: 225566
Ion Ratio Lower Upper
152 100
115 63.4 36.1 108.5
150 155.6 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 30.939 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Tgt Ion: 75 Resp: 142518
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

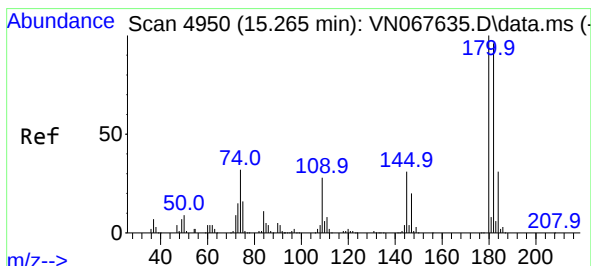
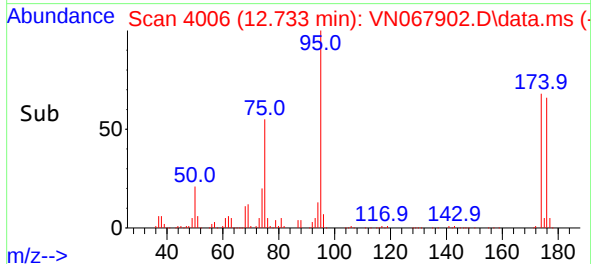
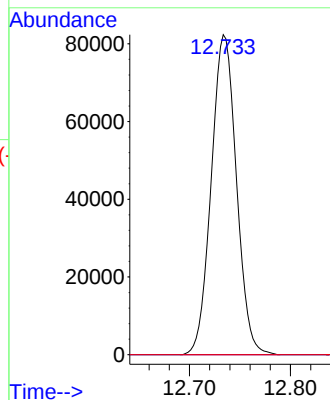
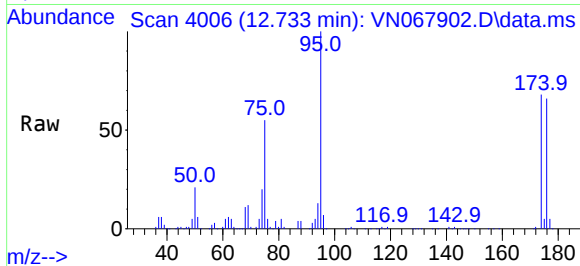




#81
trans-1,4-Dichloro-2-butene
Concen: 99.749 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

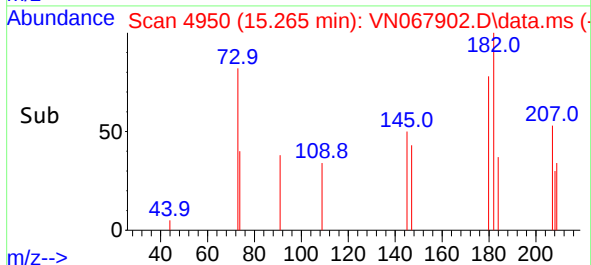
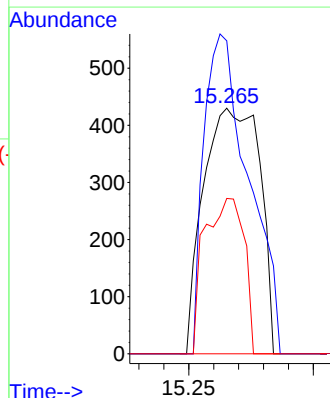
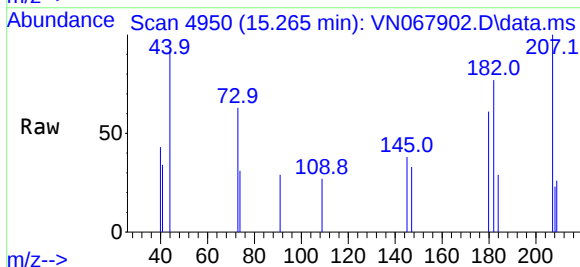
Instrument :
MSVOA_N
ClientSampled :

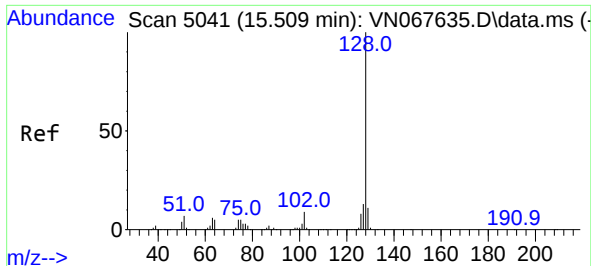
Tgt Ion: 75 Resp: 142518
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.844 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Tgt Ion:180 Resp: 673
Ion Ratio Lower Upper
180 100
182 103.7 47.5 142.5
145 44.4 17.2 51.6

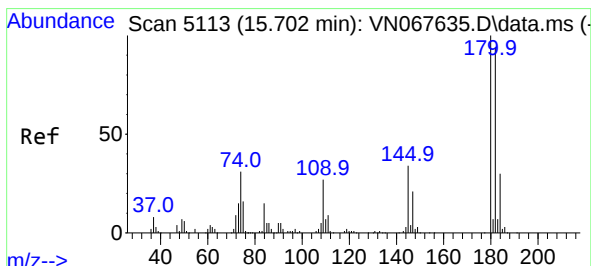
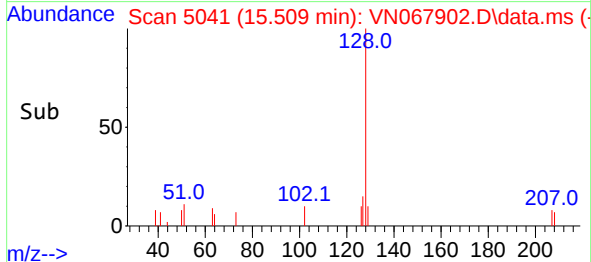
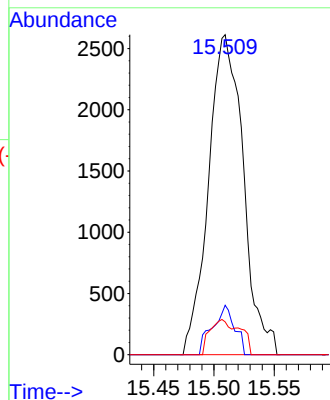
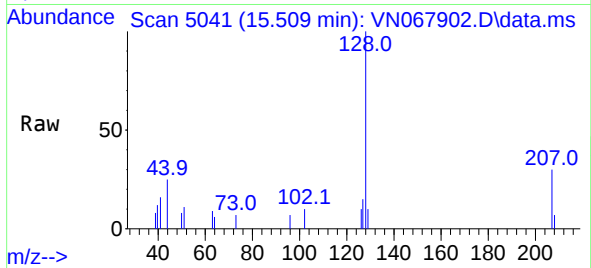




#95
Naphthalene
Concen: 3.458 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128	Resp:	5243
Ion Ratio	Lower	Upper
128	100	
127	9.9	10.6 15.8#
129	9.5	8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.764 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN067902.D
Acq: 26 Jul 2021 13:10

Tgt Ion:180	Resp:	501
Ion Ratio	Lower	Upper
180	100	
182	203.2	47.8 143.3#
145	19.0	18.2 54.6

