

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
 Data File : VN068102.D
 Acq On : 12 Aug 2021 20:21
 Operator : JC/MD
 Sample : M3391-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 05:47:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

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

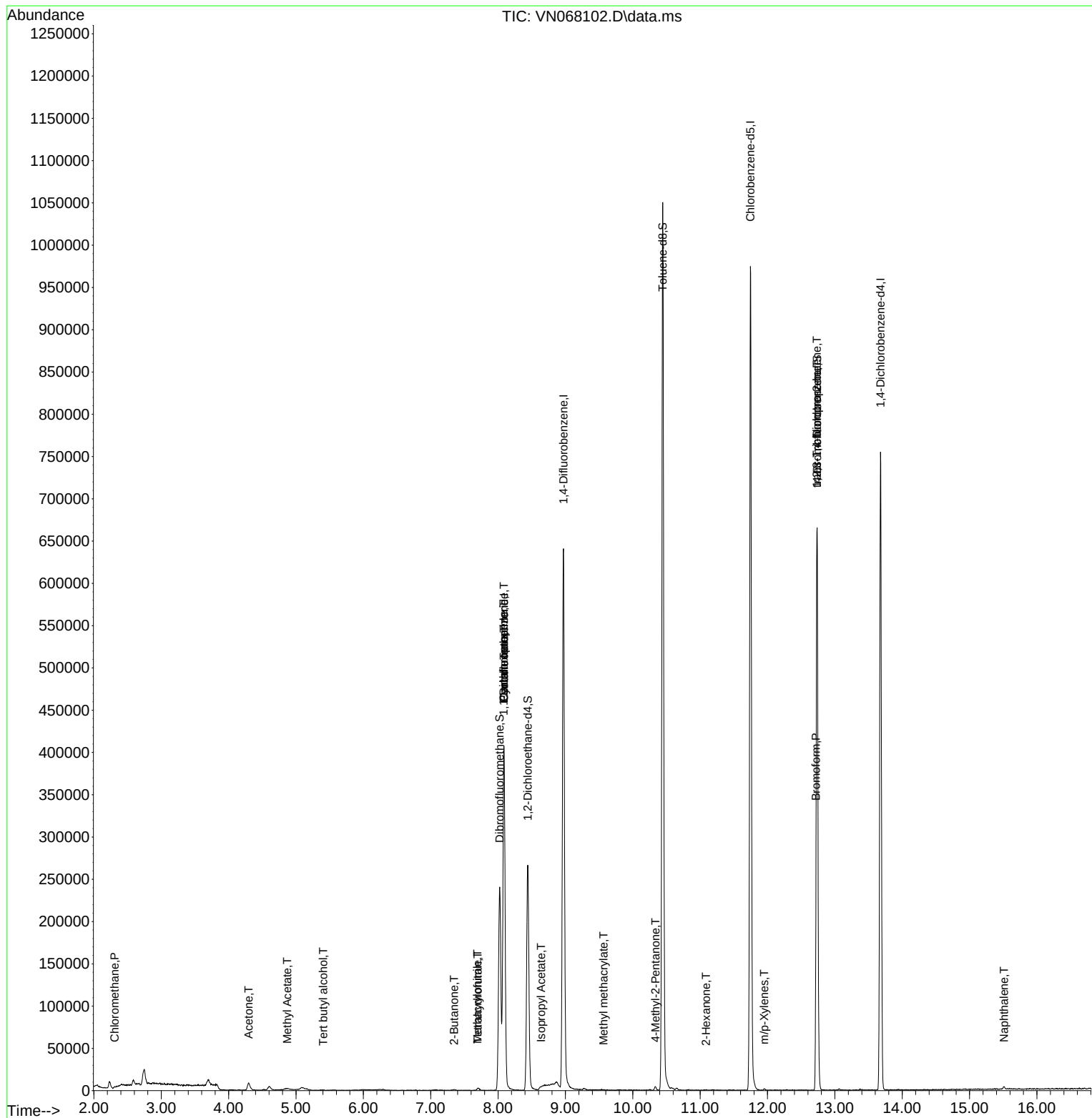
Internal Standards						
1) Pentafluorobenzene	8.088	168	292059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	569532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	574374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	197997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	227214	54.954	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	109.900%
35) Dibromofluoromethane	8.024	113	178095	53.657	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.320%
50) Toluene-d8	10.443	98	742360	48.582	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.160%
62) 4-Bromofluorobenzene	12.736	95	241741	43.800	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	749	0.201	ug/l #	66
11) Tert butyl alcohol	5.404	59	296	0.534	ug/l #	71
16) Acetone	4.296	43	15833	10.495	ug/l #	87
18) Methyl Acetate	4.870	43	1703	0.368	ug/l #	72
20) Methylene Chloride	5.093	84	797	Below Cal	#	59
25) 2-Butanone	7.348	43	559	0.255	ug/l #	51
29) Tetrahydrofuran	7.697	42	983	0.701	ug/l #	79
31) Cyclohexane	8.088	56	7459	1.223	ug/l #	9
36) 1,1-Dichloropropene	8.083	75	26119	4.958	ug/l #	51
38) Carbon Tetrachloride	8.086	117	34157	6.593	ug/l #	16
41) Methacrylonitrile	7.694	41	701	0.297	ug/l #	41
43) Isopropyl Acetate	8.641	43	2670	0.323	ug/l #	58
48) Methyl methacrylate	9.563	41	128	2.335	ug/l #	12
51) 4-Methyl-2-Pentanone	10.339	43	3361	13.097	ug/l	88
59) 2-Hexanone	11.087	43	100	13.310	ug/l #	28
68) m/p-Xylenes	11.953	106	413	4.106	ug/l #	35
71) Bromoform	12.720	173	214	4.084	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	133615	33.602	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	133615	90.117	ug/l #	6
95) Naphthalene	15.512	128	4008	3.575	ug/l #	79

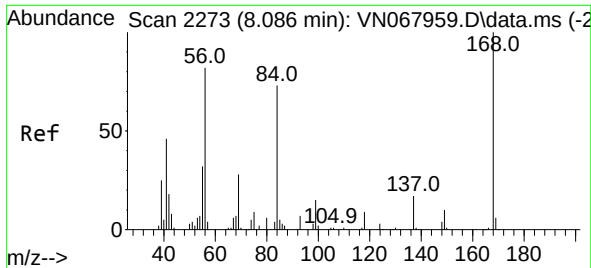
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 13 05:47:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
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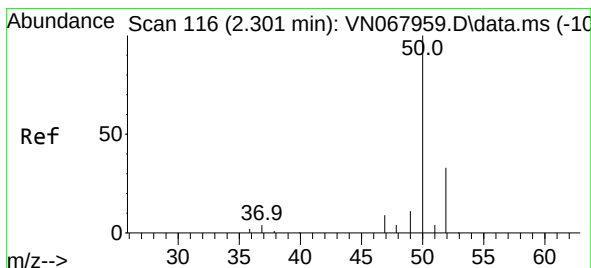
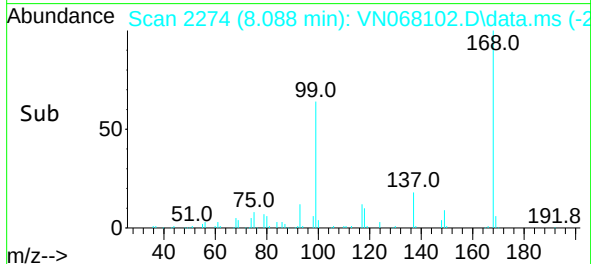
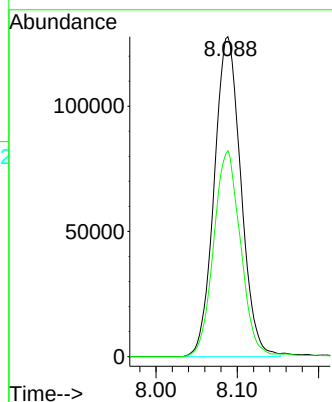
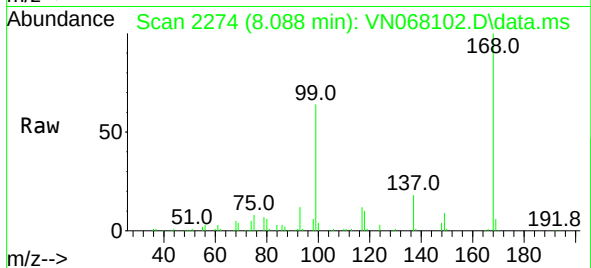




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

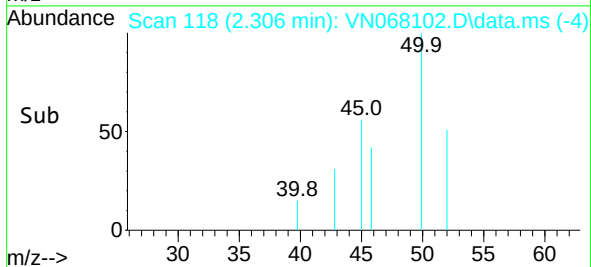
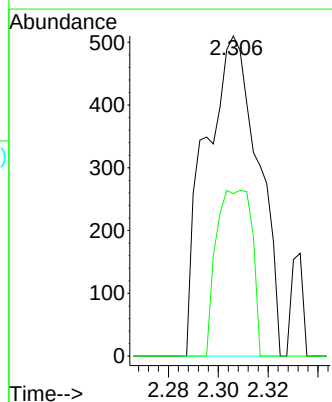
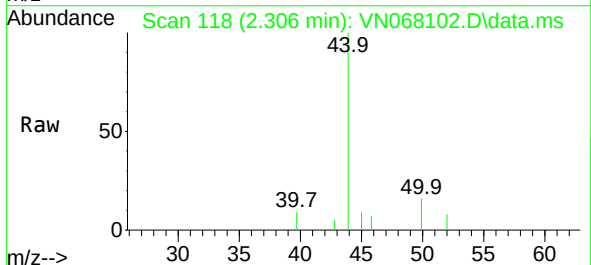
Instrument :
MSVOA_N
ClientSampled :

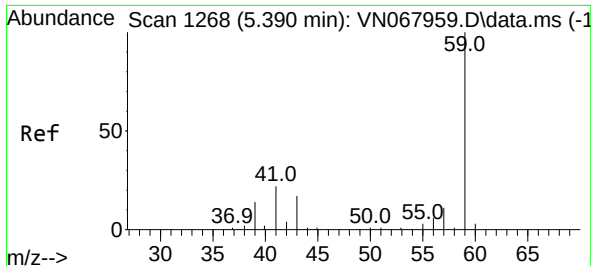
Tgt Ion:168 Resp: 292059
Ion Ratio Lower Upper
168 100
99 64.3 62.9 94.3



#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

Tgt Ion: 50 Resp: 749
Ion Ratio Lower Upper
50 100
52 50.8 25.6 38.4#

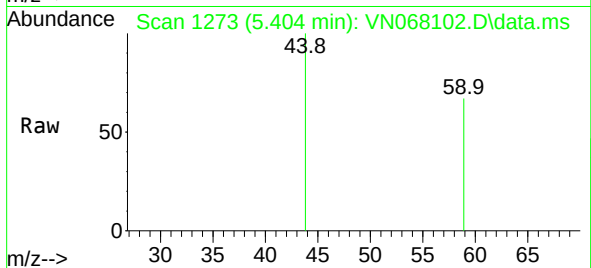




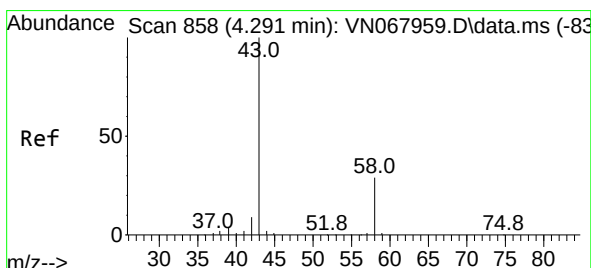
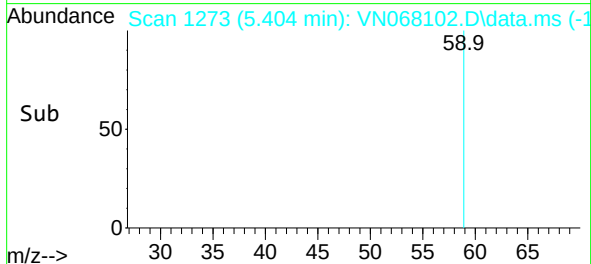
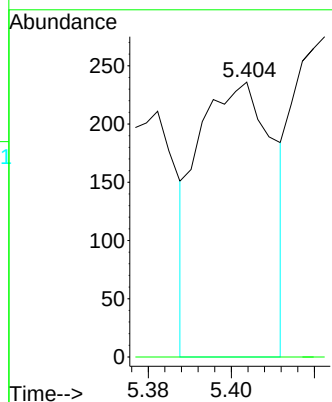
#11

Tert butyl alcohol
Concen: 0.534 ug/l
RT: 5.404 min Scan# 1273
Delta R.T. 0.014 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

Instrument :
MSVOA_N
ClientSampled :



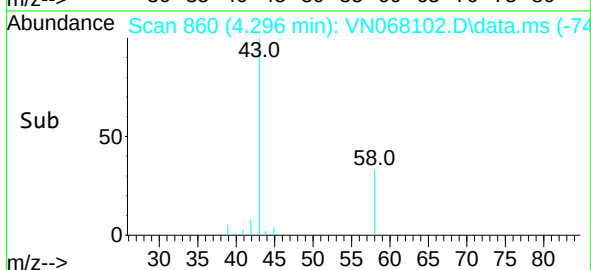
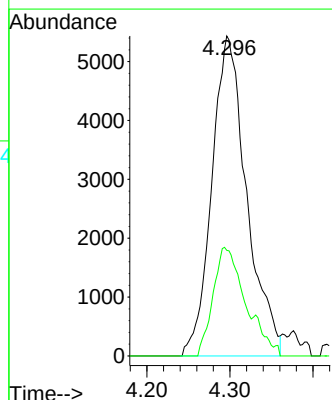
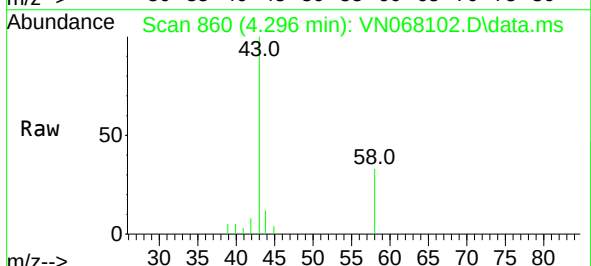
Tgt Ion: 59 Resp: 296
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

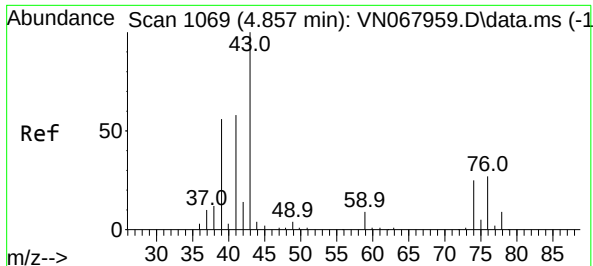


#16

Acetone
Concen: 10.495 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

Tgt Ion: 43 Resp: 15833
Ion Ratio Lower Upper
43 100
58 33.0 21.2 31.8#





#18

Methyl Acetate

Concen: 0.368 ug/l

RT: 4.870 min Scan# 1074

Delta R.T. 0.013 min

Lab File: VN068102.D

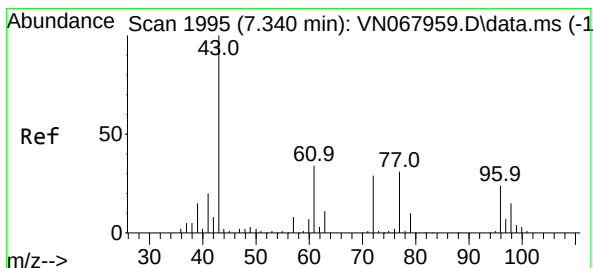
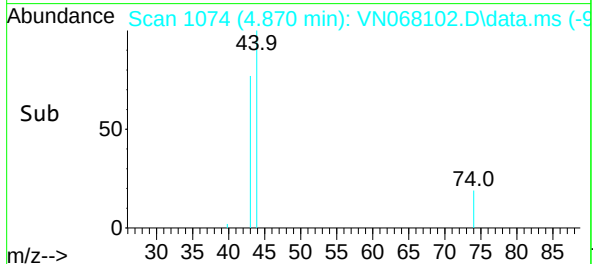
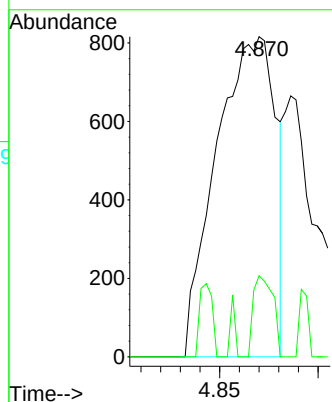
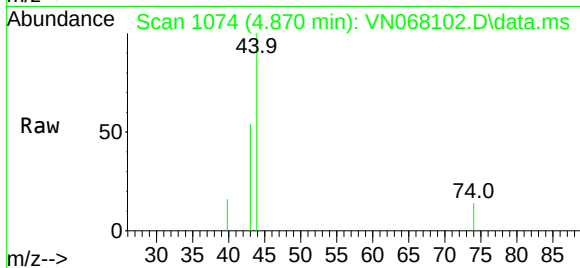
Acq: 12 Aug 2021 20:21

Tgt Ion: 43 Resp: 1703

Ion Ratio Lower Upper

43 100

74 8.5 17.4 26.0#



#25

2-Butanone

Concen: 0.255 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.008 min

Lab File: VN068102.D

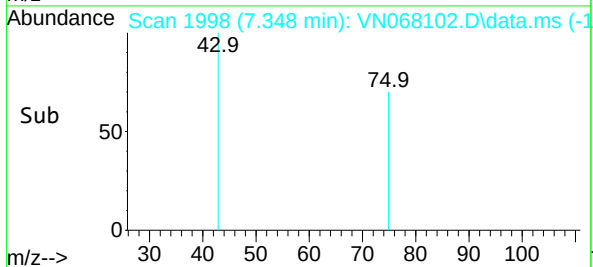
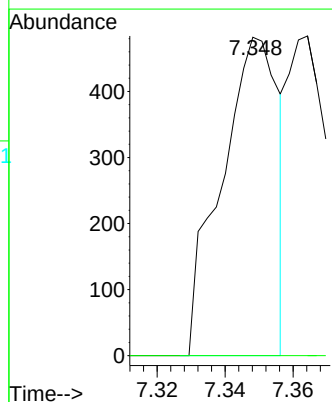
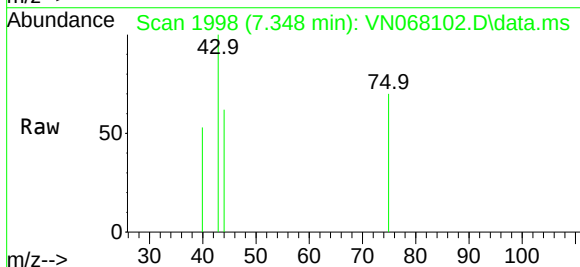
Acq: 12 Aug 2021 20:21

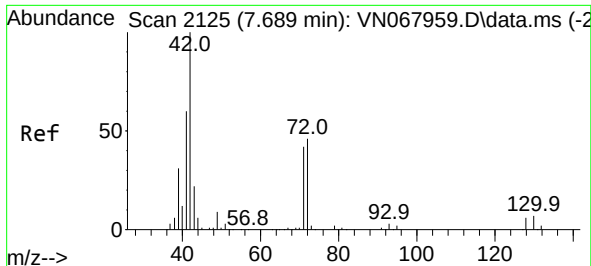
Tgt Ion: 43 Resp: 559

Ion Ratio Lower Upper

43 100

72 0.0 19.7 29.5#





#29

Tetrahydrofuran

Concen: 0.701 ug/l

RT: 7.697 min Scan# 2128

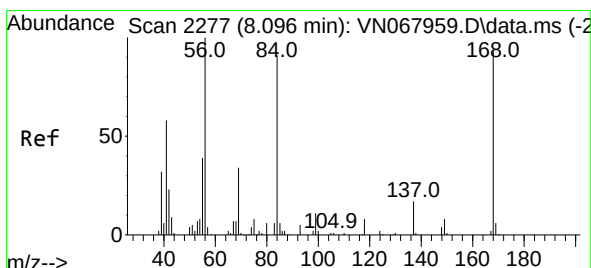
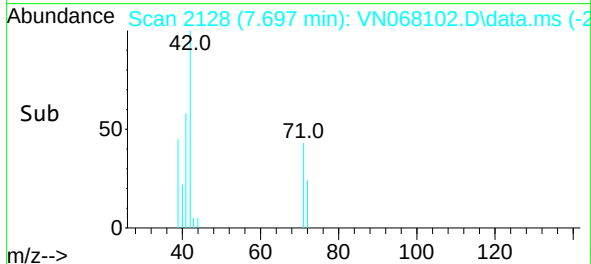
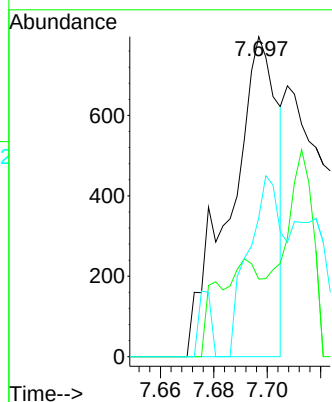
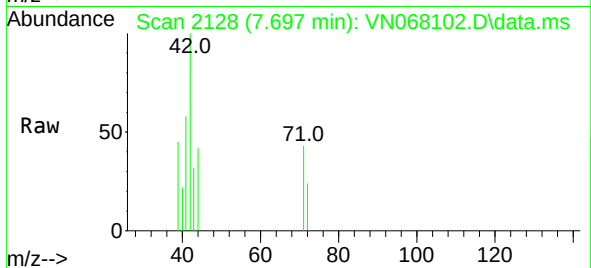
Delta R.T. 0.008 min

Lab File: VN068102.D

Acq: 12 Aug 2021 20:21

Tgt Ion:	42	Resp:	983
Ion	Ratio	Lower	Upper
42	100		
72	17.4	32.8	49.2#
71	41.5	31.2	46.8

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.223 ug/l

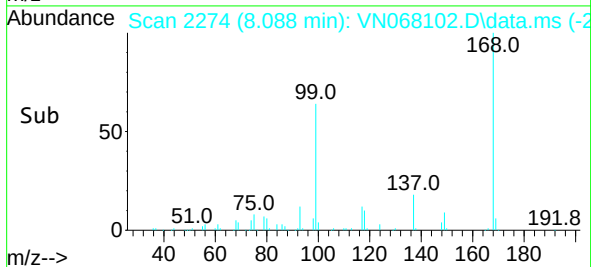
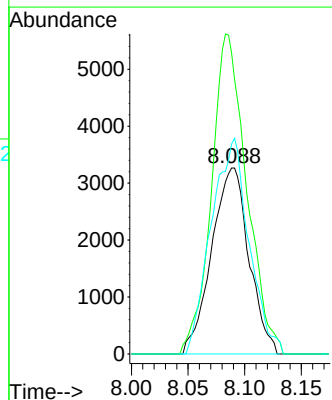
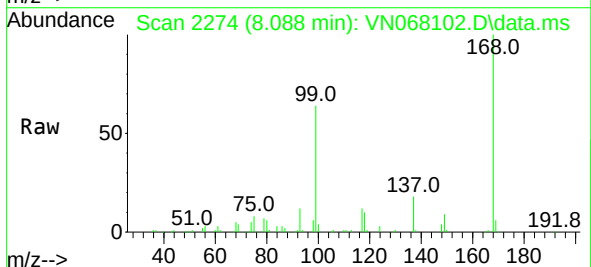
RT: 8.088 min Scan# 2274

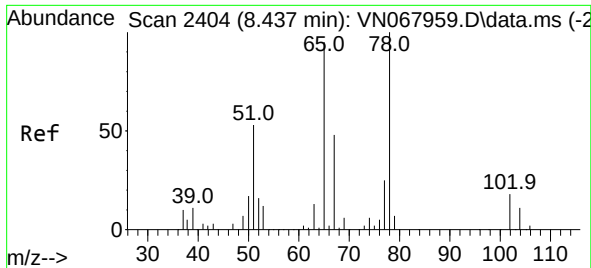
Delta R.T. -0.008 min

Lab File: VN068102.D

Acq: 12 Aug 2021 20:21

Tgt Ion:	56	Resp:	7459
Ion	Ratio	Lower	Upper
56	100		
69	162.0	27.3	40.9#
84	112.9	64.9	97.3#



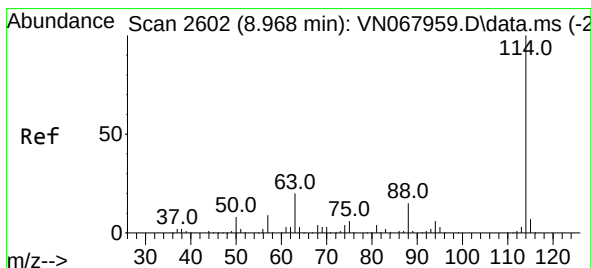
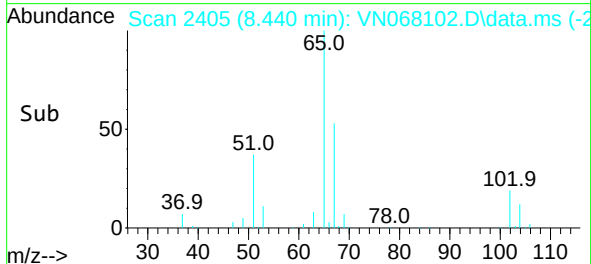
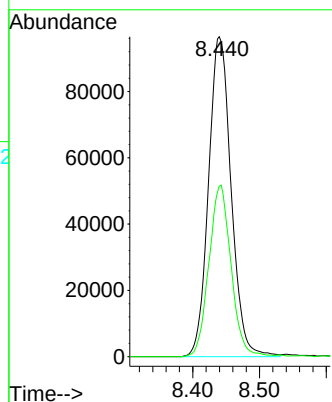
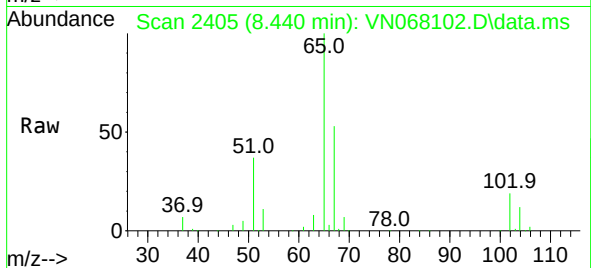


#33

1,2-Dichloroethane-d4
Concen: 54.954 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

Instrument :
MSVOA_N
ClientSampled :

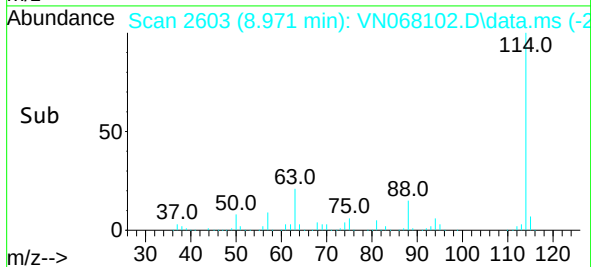
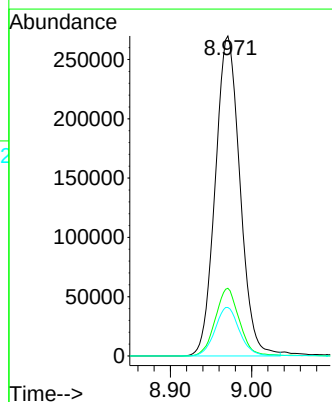
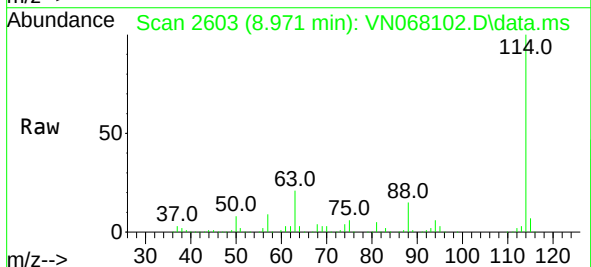
Tgt Ion: 65 Resp: 227214
Ion Ratio Lower Upper
65 100
67 52.5 0.0 98.6

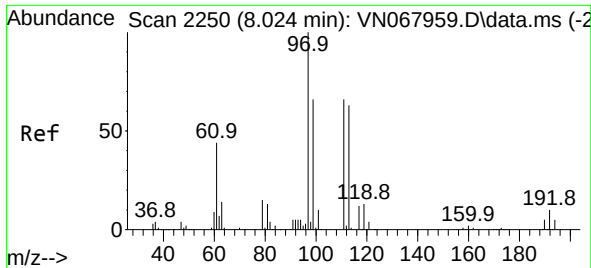


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

Tgt Ion: 114 Resp: 569532
Ion Ratio Lower Upper
114 100
63 21.1 0.0 49.0
88 15.2 0.0 36.6

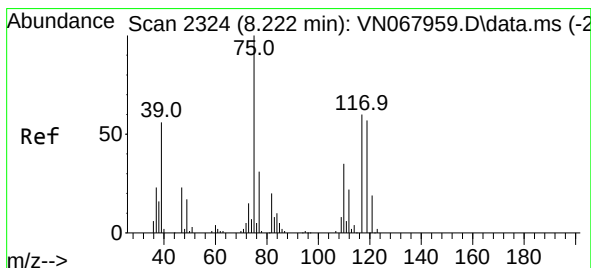
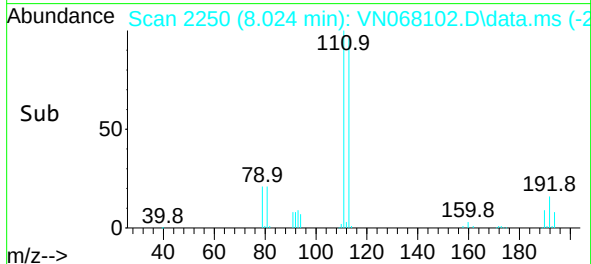
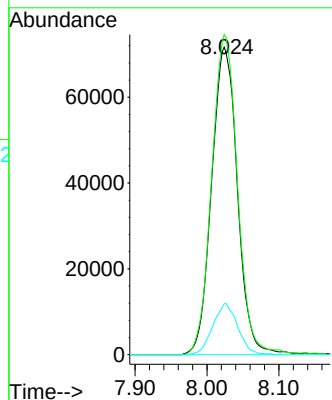
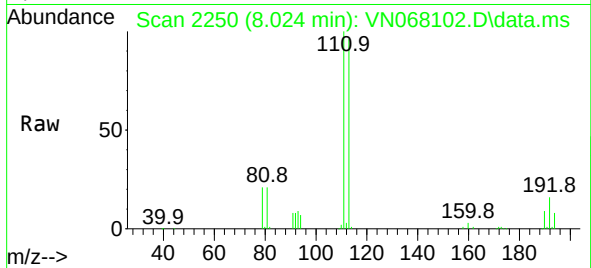




#35
Dibromofluoromethane
Concen: 53.657 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

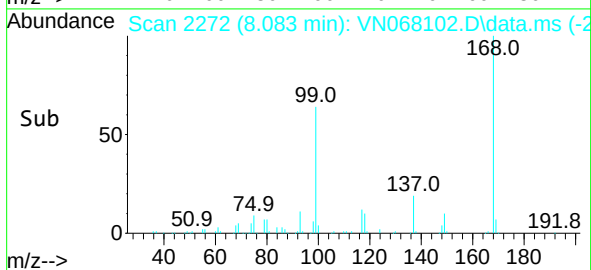
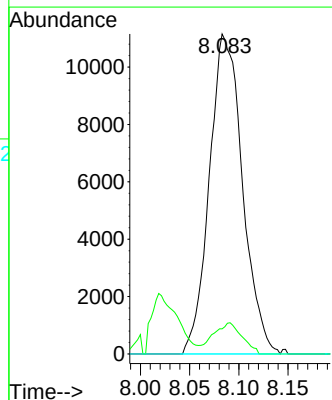
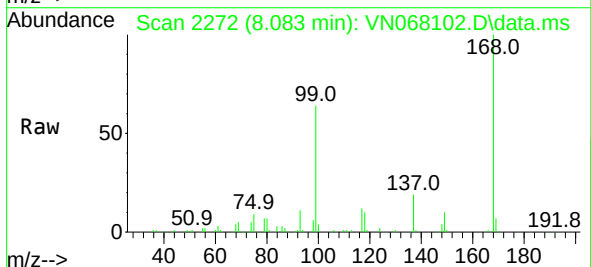
Instrument :
MSVOA_N
ClientSampleId :

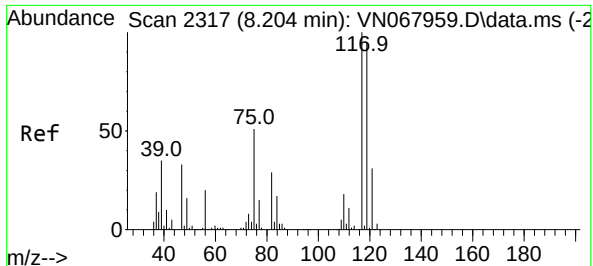
Tgt Ion:113 Resp: 178095
Ion Ratio Lower Upper
113 100
111 104.4 83.8 125.8
192 16.1 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.958 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

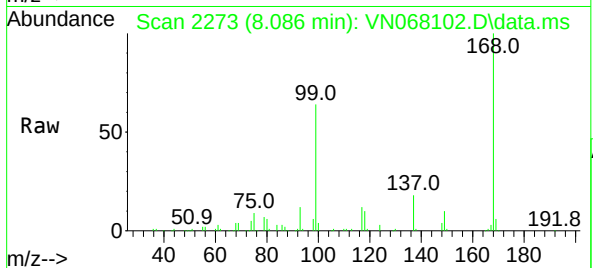
Tgt Ion: 75 Resp: 26119
Ion Ratio Lower Upper
75 100
110 8.4 15.7 47.0#
77 0.0 24.6 37.0#



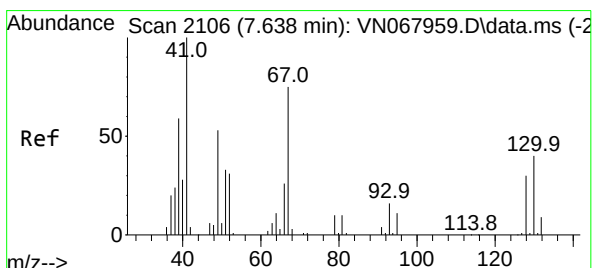
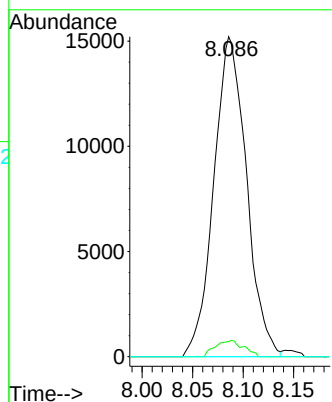
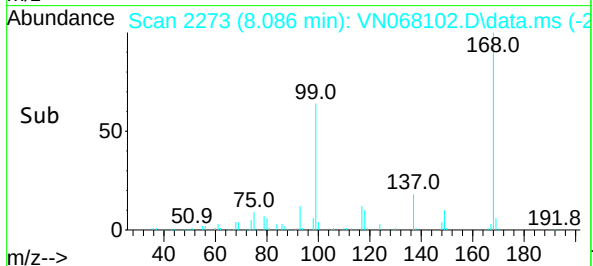


#38
Carbon Tetrachloride
Concen: 6.593 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.118 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

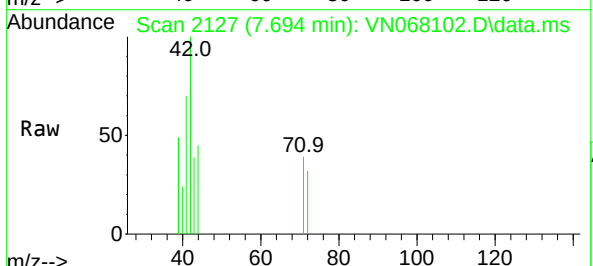
Instrument :
MSVOA_N
ClientSampled :



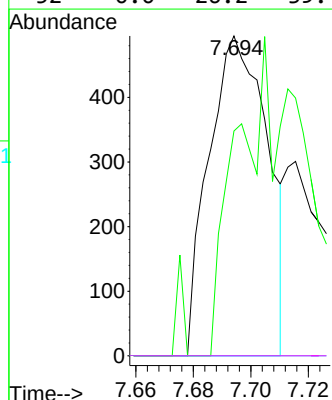
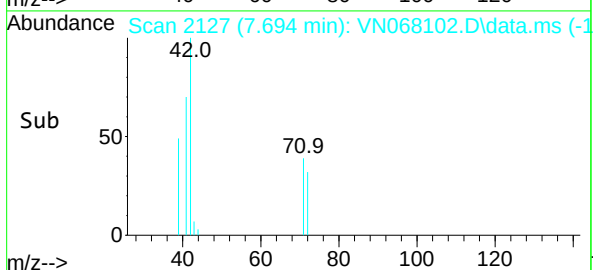
Tgt Ion: 117 Resp: 34157
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 23.5 35.3#

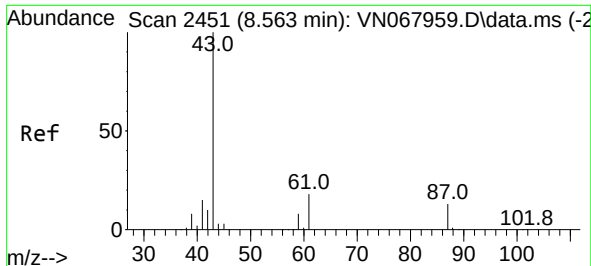


#41
Methacrylonitrile
Concen: 0.297 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.056 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21



Tgt Ion: 41 Resp: 701
Ion Ratio Lower Upper
41 100
39 40.5 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

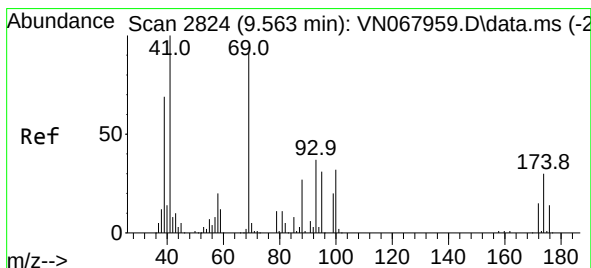
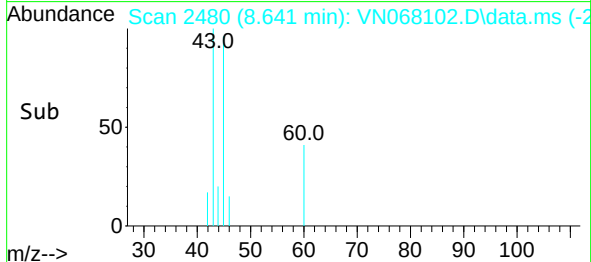
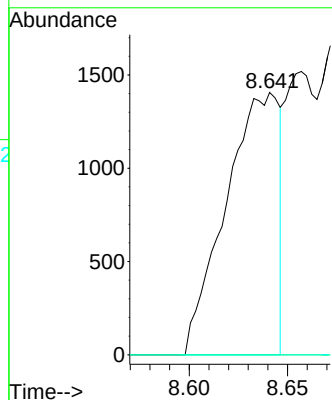
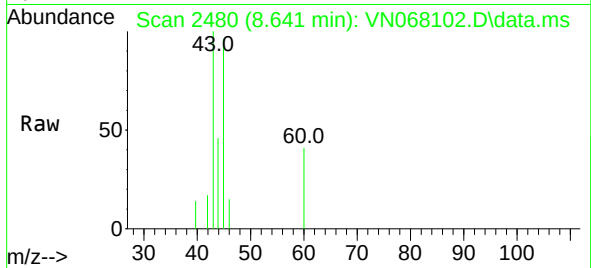




#43
Isopropyl Acetate
Concen: 0.323 ug/l
RT: 8.641 min Scan# 2480
Delta R.T. 0.078 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

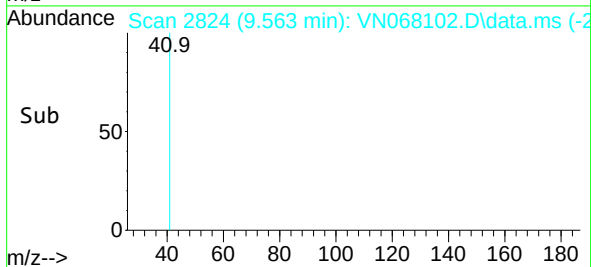
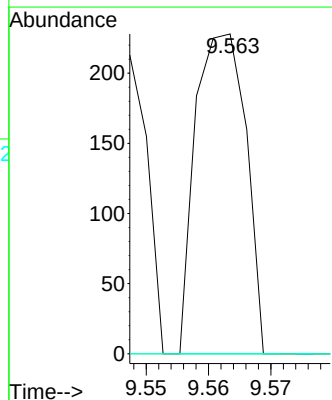
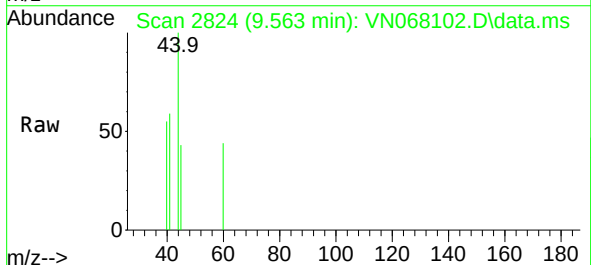
Instrument :
MSVOA_N
ClientSampled :

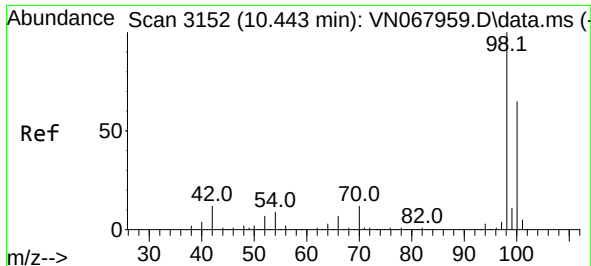
Tgt Ion: 43 Resp: 2670
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#48
Methyl methacrylate
Concen: 2.335 ug/l
RT: 9.563 min Scan# 2824
Delta R.T. 0.000 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

Tgt Ion: 41 Resp: 128
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

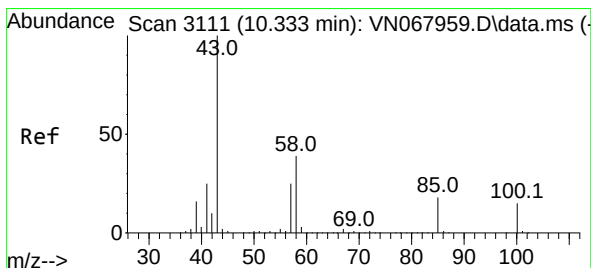
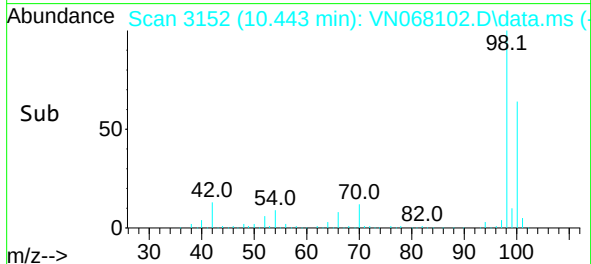
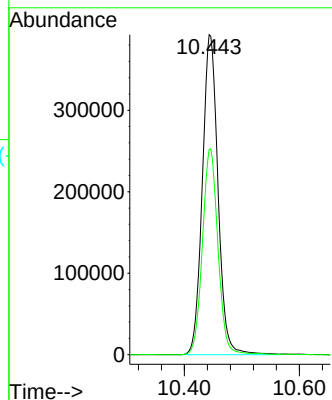
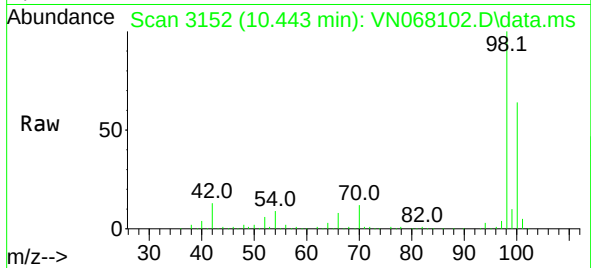




#50
Toluene-d8
Concen: 48.582 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

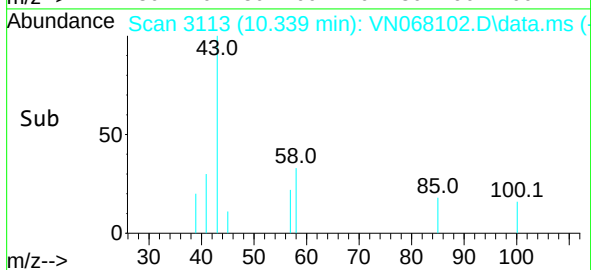
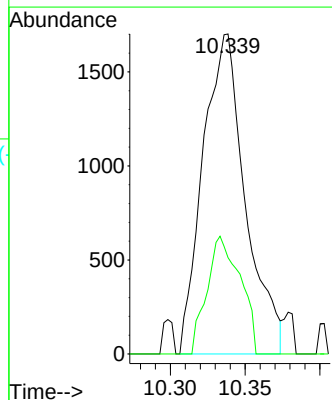
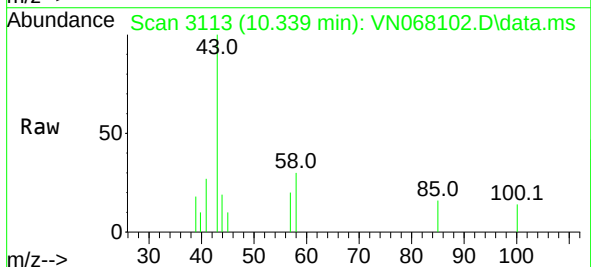
Instrument :
MSVOA_N
ClientSampled :

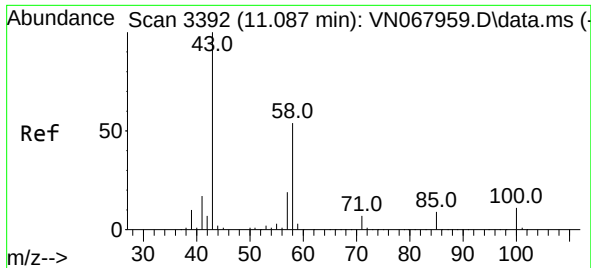
Tgt Ion: 98 Resp: 742360
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 13.097 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

Tgt Ion: 43 Resp: 3361
Ion Ratio Lower Upper
43 100
58 28.9 28.6 43.0

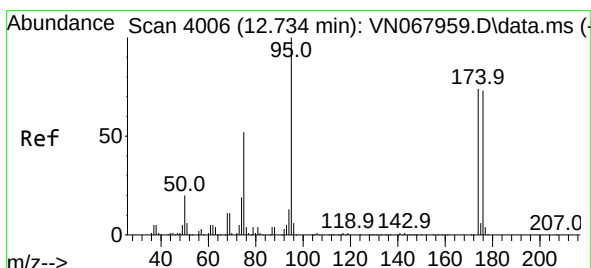
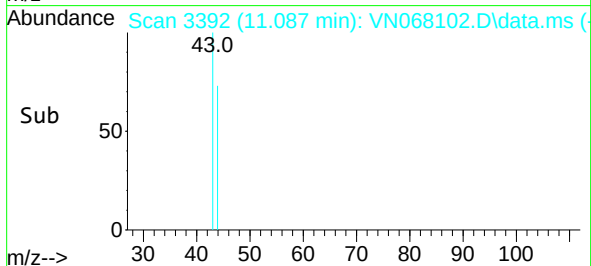
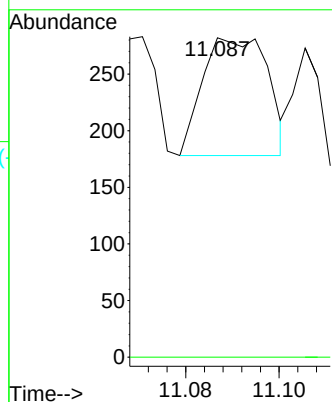
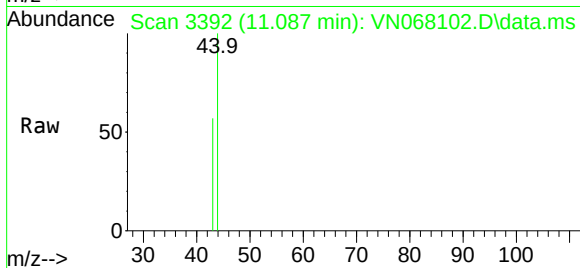




#59
2-Hexanone
Concen: 13.310 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

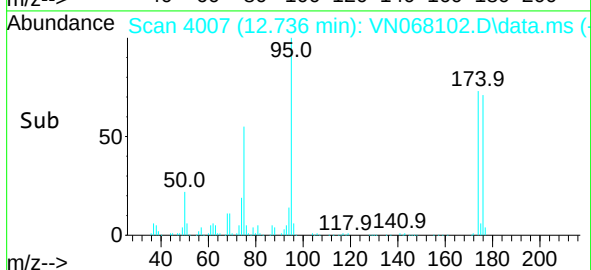
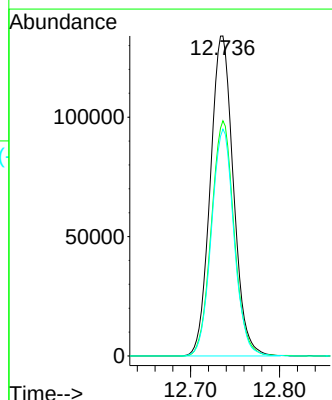
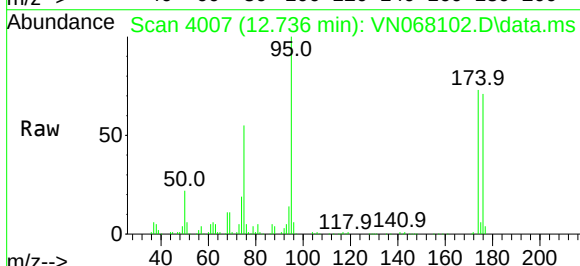
Instrument :
MSVOA_N
ClientSampled :

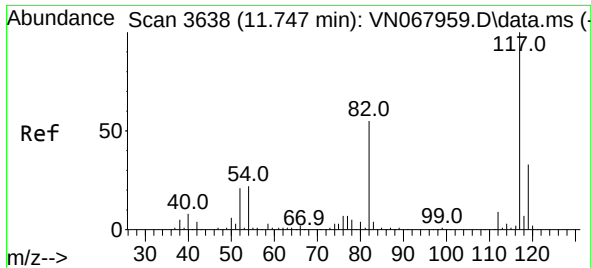
Tgt Ion: 43 Resp: 100
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 43.800 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

Tgt Ion: 95 Resp: 241741
Ion Ratio Lower Upper
95 100
174 72.4 0.0 122.0
176 69.3 0.0 117.6

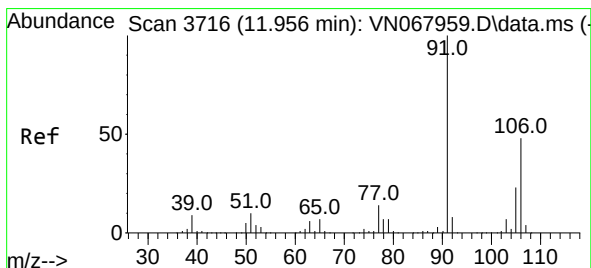
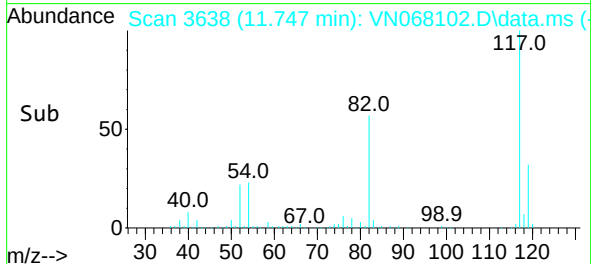
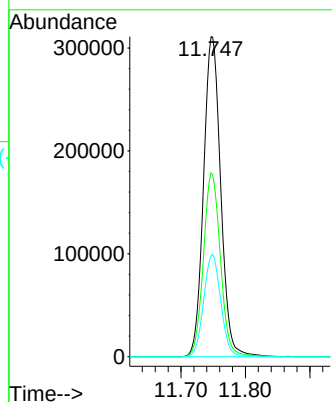
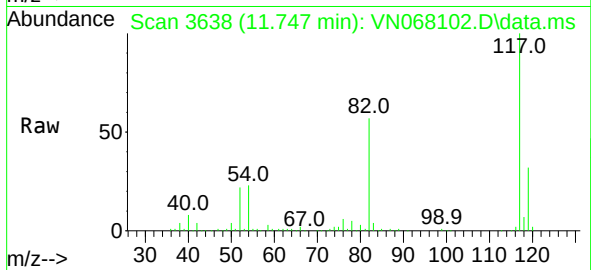




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

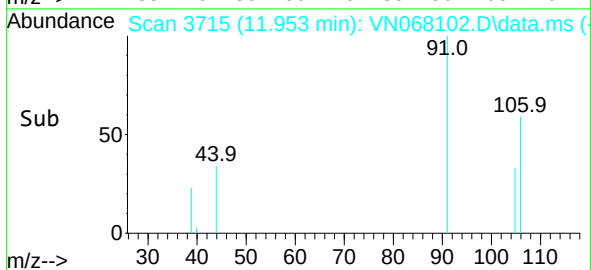
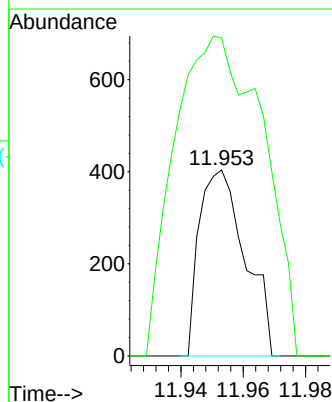
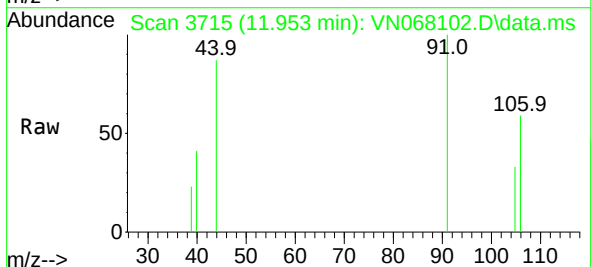
Instrument :
MSVOA_N
ClientSampled :

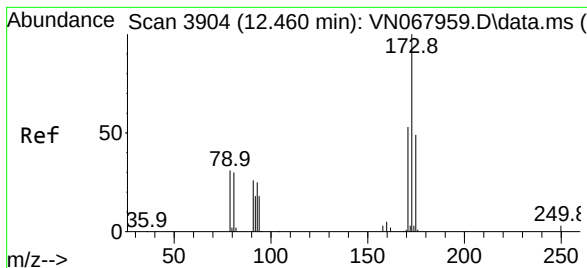
Tgt Ion:117 Resp: 574374
Ion Ratio Lower Upper
117 100
82 57.5 53.1 79.7
119 31.5 25.5 38.3



#68
m/p-Xylenes
Concen: 4.106 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

Tgt Ion:106 Resp: 413
Ion Ratio Lower Upper
106 100
91 331.5 180.6 270.8#

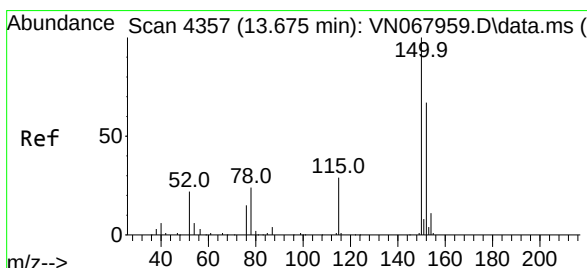
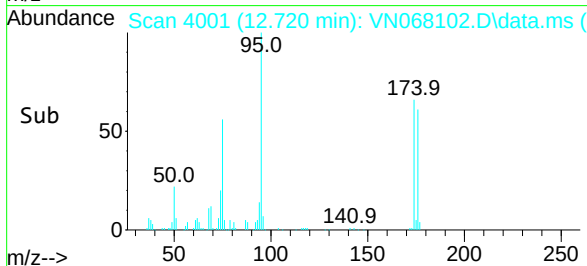
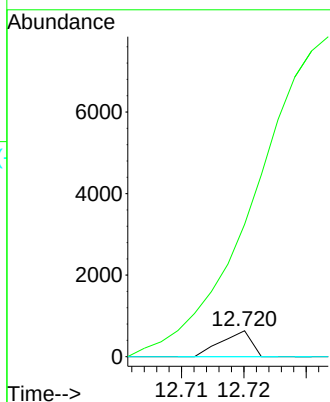
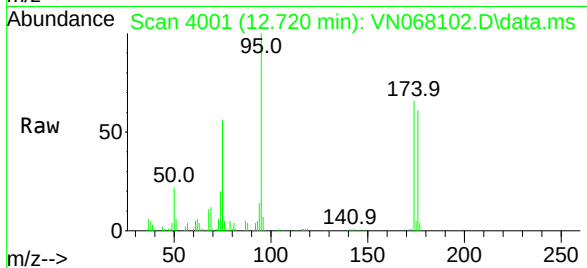




#71
Bromoform
Concen: 4.084 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

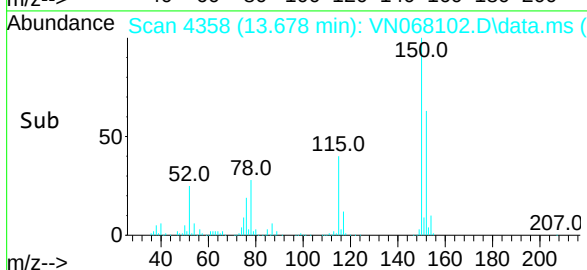
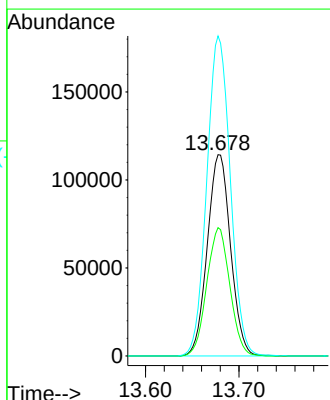
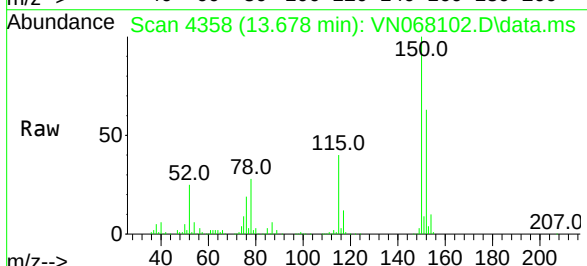
Instrument :
MSVOA_N
ClientSampled :

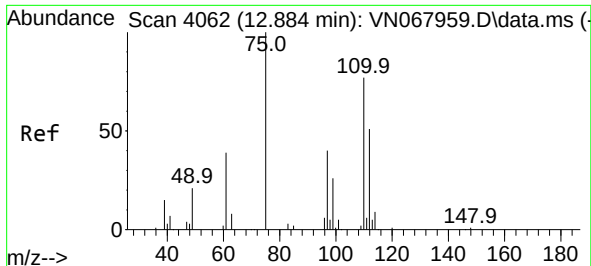
Tgt Ion:173 Resp: 214
Ion Ratio Lower Upper
173 100
175 5881.8 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

Tgt Ion:152 Resp: 197997
Ion Ratio Lower Upper
152 100
115 63.1 36.1 108.5
150 160.6 0.0 351.8

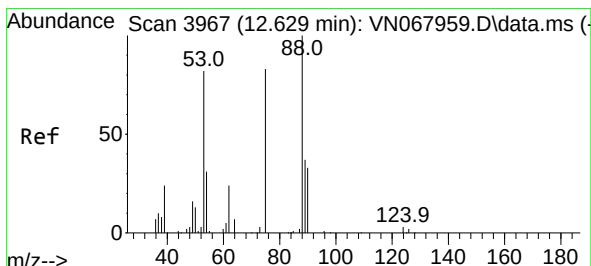
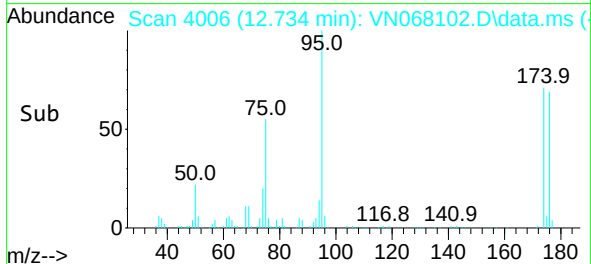
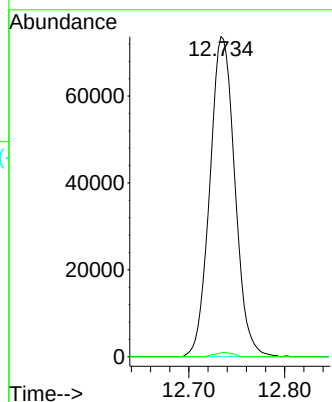
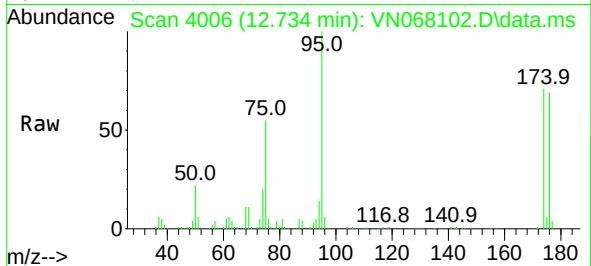




#76
1,2,3-Trichloropropane
Concen: 33.602 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

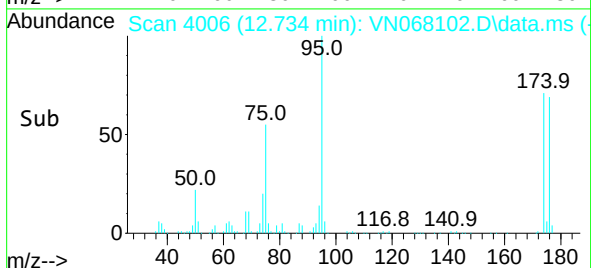
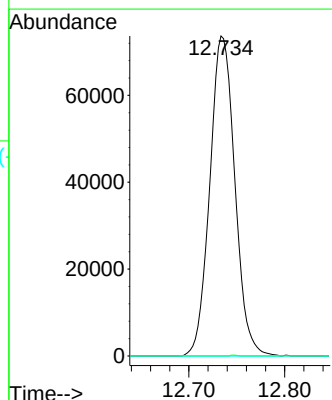
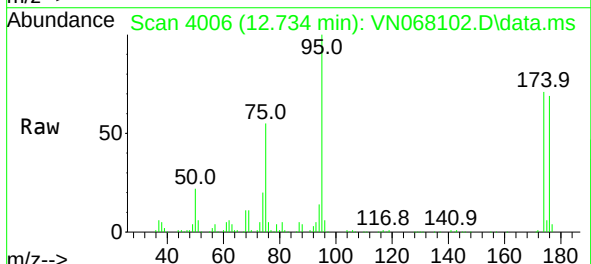
Instrument :
MSVOA_N
ClientSampled :

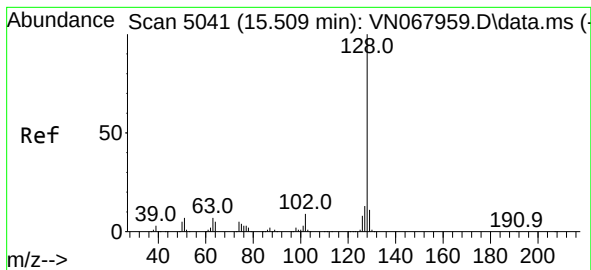
Tgt Ion: 75 Resp: 133615
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.117 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

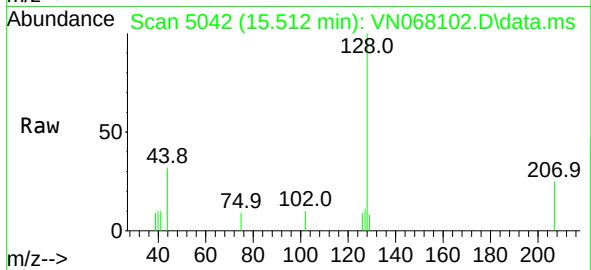
Tgt Ion: 75 Resp: 133615
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.575 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN068102.D
Acq: 12 Aug 2021 20:21

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	4008
Ion	Ratio	Lower	Upper
128	100		
127	4.8	10.6	15.8#
129	2.6	8.6	12.8#

