

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083121\
 Data File : VN068373.D
 Acq On : 31 Aug 2021 16:49
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 01 02:07:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 31 02:20:58 2021
 Response via : Initial Calibration

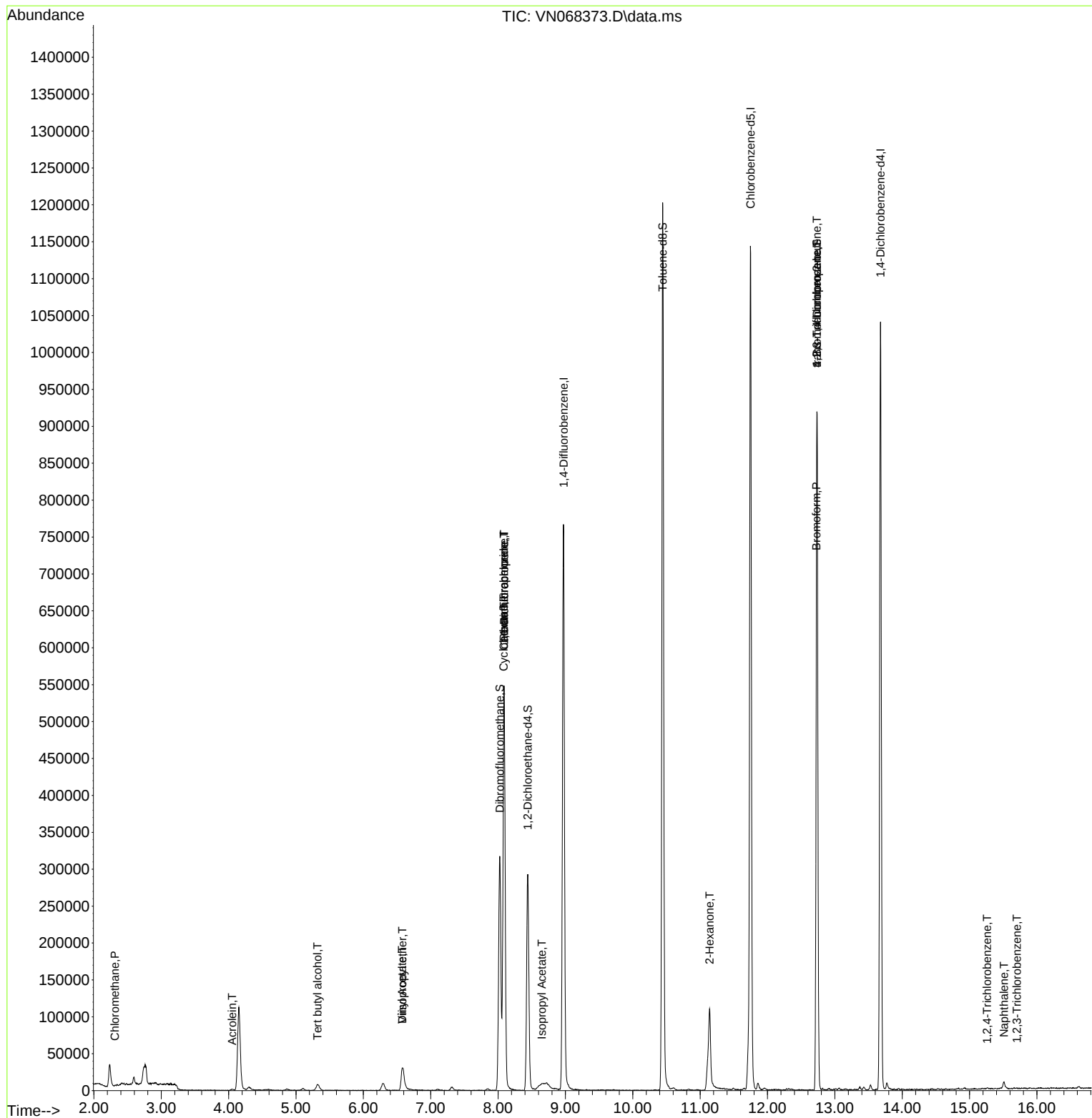
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	464850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	748324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	746525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	310643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	244570	51.546	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	103.100%	
35) Dibromofluoromethane	8.027	113	232806	49.068	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	98.140%	
50) Toluene-d8	10.443	98	886247	49.899	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	99.800%	
62) 4-Bromofluorobenzene	12.734	95	299796	51.434	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	102.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.311	50	1120	0.276	ug/l	98
5) Bromomethane	2.848	94	504	Below Cal	#	76
11) Tert butyl alcohol	5.318	59	3395	5.472	ug/l #	73
13) Acrolein	4.052	56	1722	4.273	ug/l	90
16) Acetone	4.293	43	2652	Below Cal	#	80
18) Methyl Acetate	4.865	43	2773	Below Cal	#	68
20) Methylene Chloride	5.095	84	218	Below Cal	#	66
22) Diisopropyl ether	6.579	45	2048	0.206	ug/l #	1
23) Vinyl Acetate	6.576	43	2800	0.364	ug/l #	66
31) Cyclohexane	8.083	56	7125	1.140	ug/l #	40
36) 1,1-Dichloropropene	8.091	75	27906	4.689	ug/l #	48
38) Carbon Tetrachloride	8.086	117	40303	5.667	ug/l #	17
43) Isopropyl Acetate	8.649	43	10948	1.365	ug/l #	51
59) 2-Hexanone	11.141	43	45130	12.933	ug/l #	42
71) Bromoform	12.726	173	965	2.106	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	147890	28.012	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	147890	92.553	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.260	180	591	2.308	ug/l	82
95) Naphthalene	15.509	128	9769	3.072	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.703	180	713	2.124	ug/l #	56

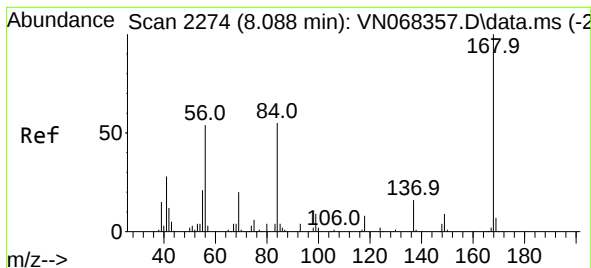
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068373.D

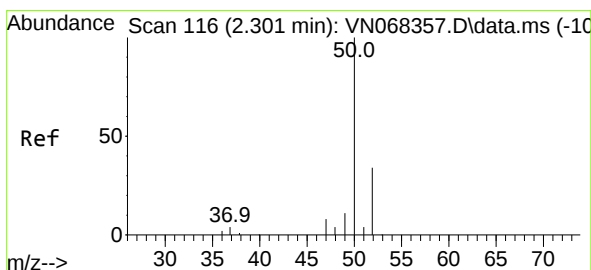
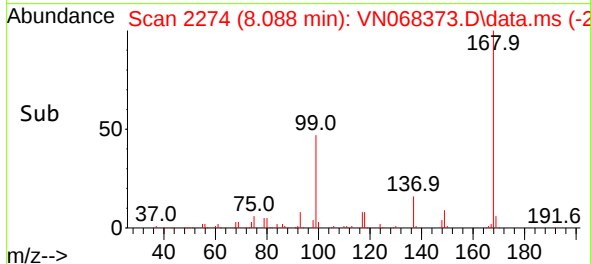
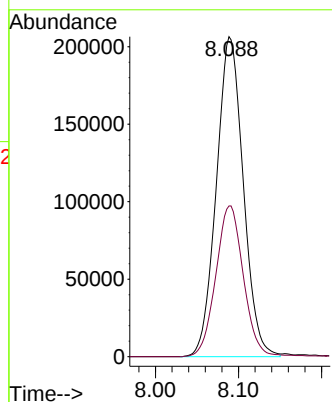
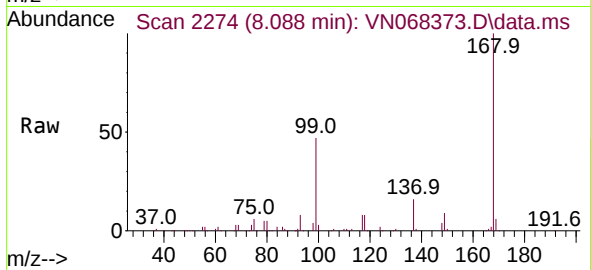
Acq: 31 Aug 2021 16:49

Tgt Ion:168 Resp: 464850

Ion Ratio Lower Upper

168 100

99 47.1 38.6 57.8



#3

Chloromethane

Concen: 0.276 ug/l

RT: 2.311 min Scan# 120

Delta R.T. 0.011 min

Lab File: VN068373.D

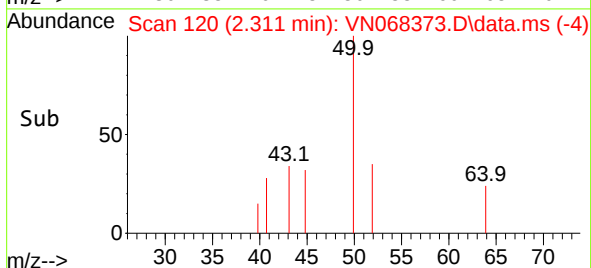
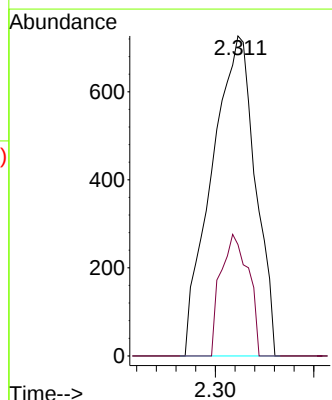
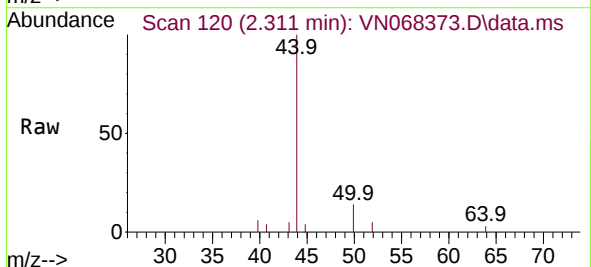
Acq: 31 Aug 2021 16:49

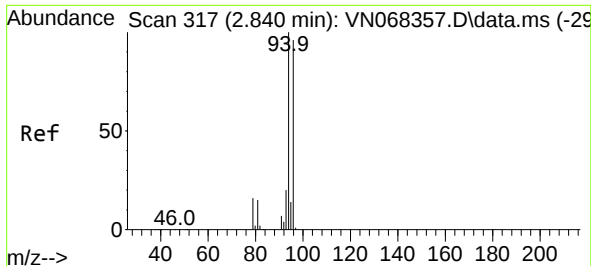
Tgt Ion: 50 Resp: 1120

Ion Ratio Lower Upper

50 100

52 34.8 27.1 40.7

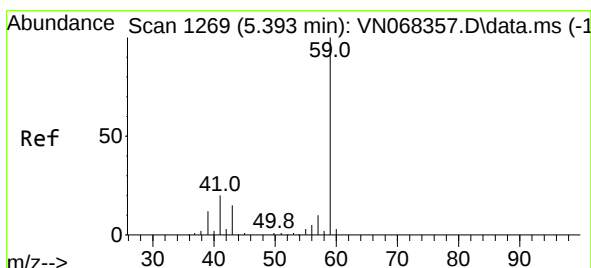
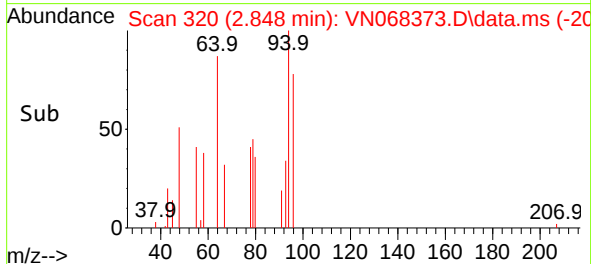
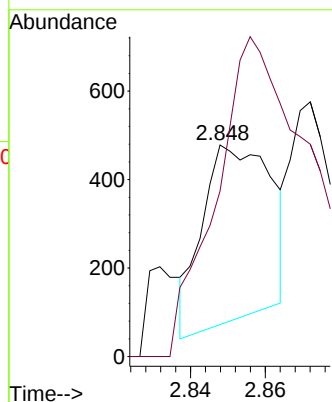
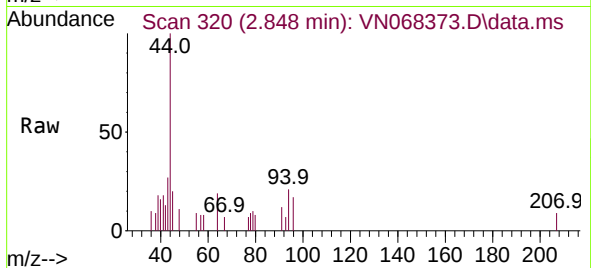




#5
Bromomethane
Concen: Below Cal
RT: 2.848 min Scan# 320
Delta R.T. 0.008 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

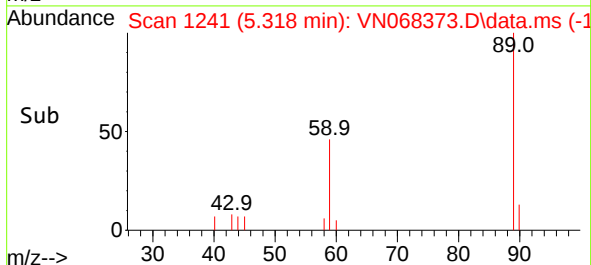
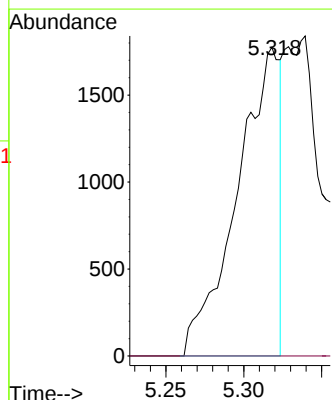
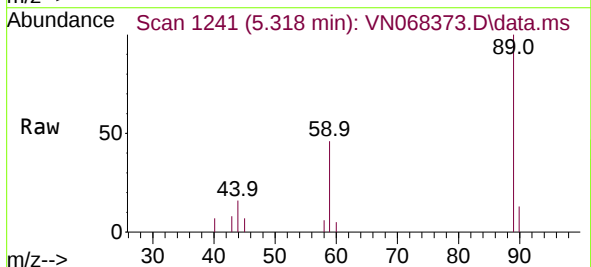
Instrument :
MSVOA_N
ClientSampled :

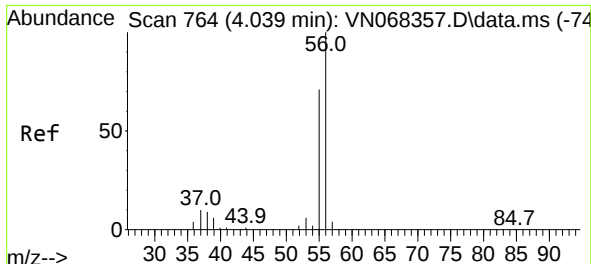
Tgt Ion: 94 Resp: 504
Ion Ratio Lower Upper
94 100
96 72.9 77.1 115.7#



#11
Tert butyl alcohol
Concen: 5.472 ug/l
RT: 5.318 min Scan# 1241
Delta R.T. -0.075 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

Tgt Ion: 59 Resp: 3395
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

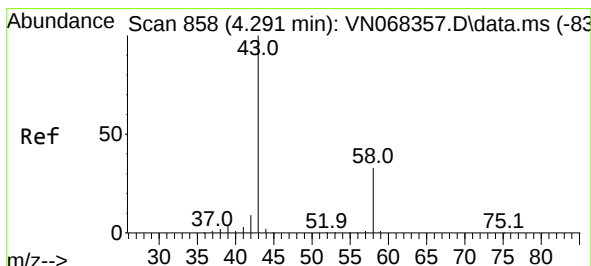
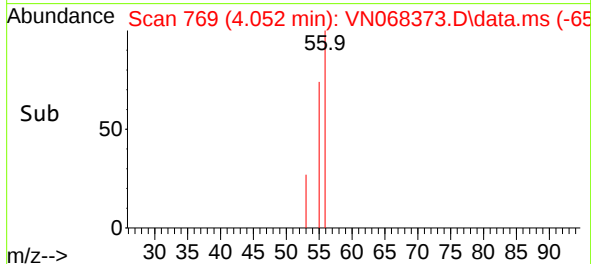
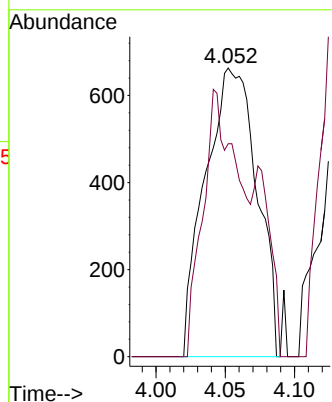
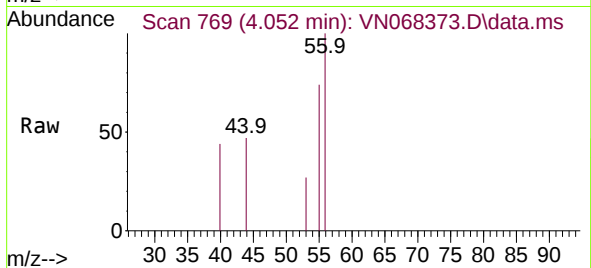




#13
Acrolein
Concen: 4.273 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.014 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

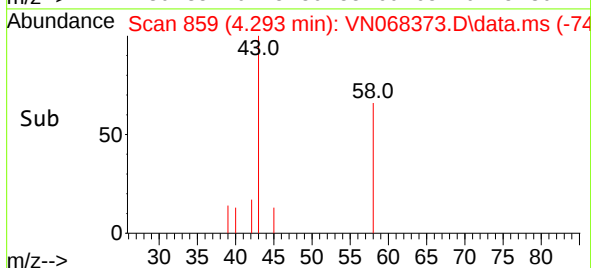
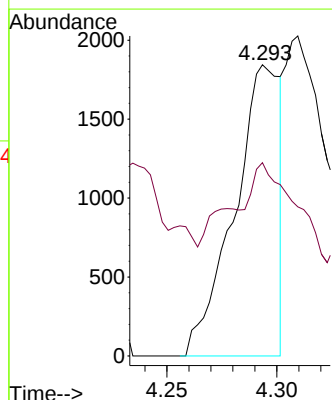
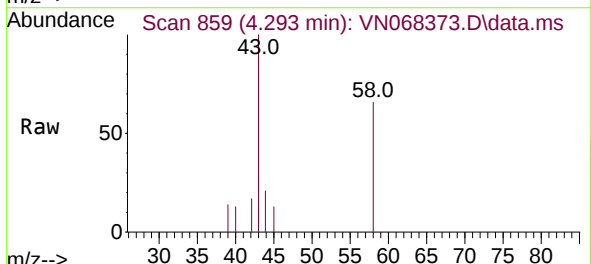
Instrument :
MSVOA_N
ClientSampled :

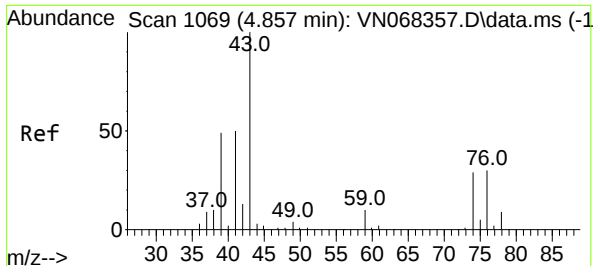
Tgt Ion: 56 Resp: 1722
Ion Ratio Lower Upper
56 100
55 64.8 58.9 88.3



#16
Acetone
Concen: Below Cal
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

Tgt Ion: 43 Resp: 2652
Ion Ratio Lower Upper
43 100
58 21.7 26.3 39.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.865 min Scan# 1072

Delta R.T. 0.008 min

Lab File: VN068373.D

Acq: 31 Aug 2021 16:49

Tgt Ion: 43 Resp: 2773

Ion Ratio Lower Upper

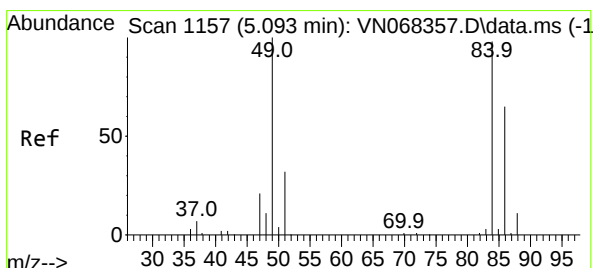
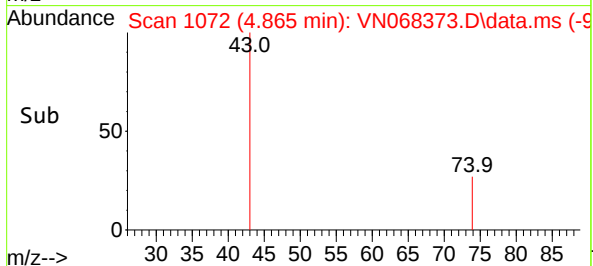
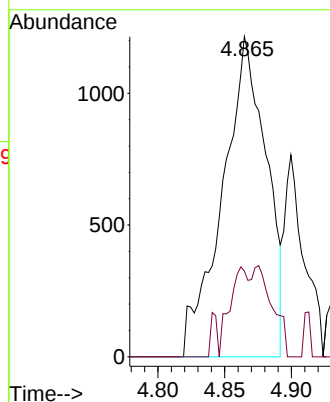
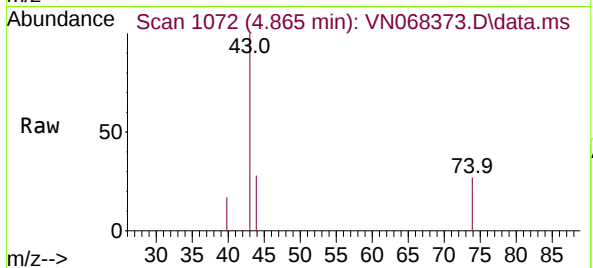
43 100

74 11.8 23.0 34.4#

Instrument :

MSVOA_N

ClientSampled :



#20

Methylene Chloride

Concen: Below Cal

RT: 5.095 min Scan# 1158

Delta R.T. 0.002 min

Lab File: VN068373.D

Acq: 31 Aug 2021 16:49

Tgt Ion: 84 Resp: 218

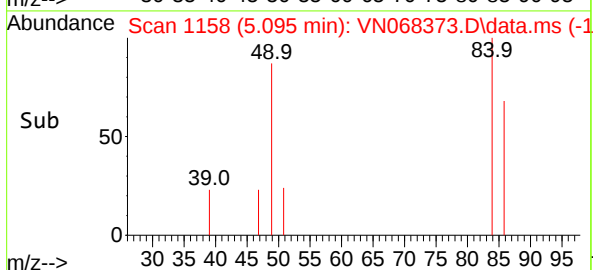
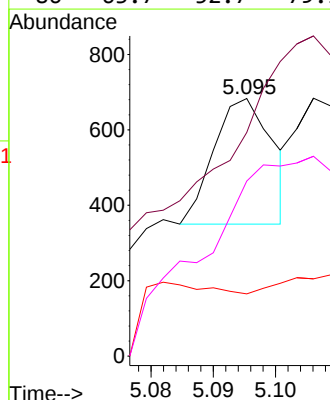
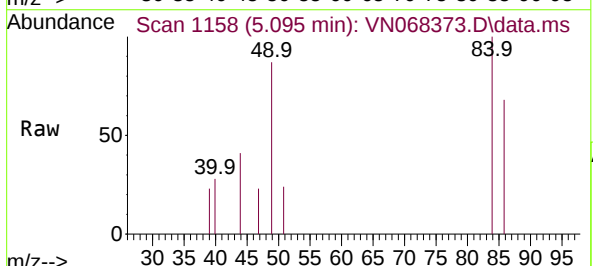
Ion Ratio Lower Upper

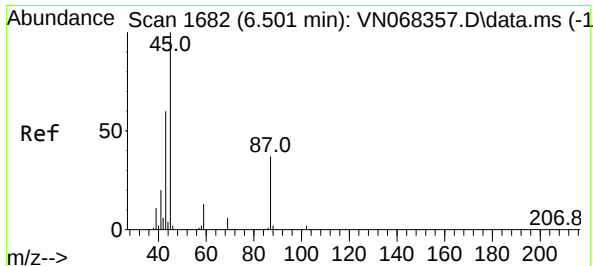
84 100

49 54.4 81.8 122.6#

51 0.0 26.3 39.5#

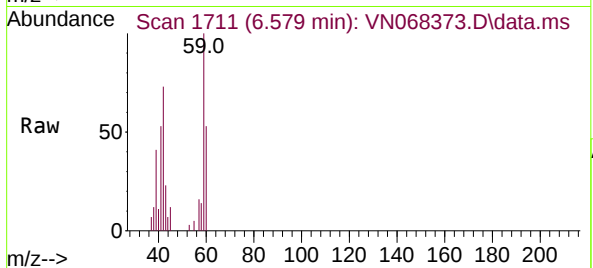
86 63.7 52.7 79.1



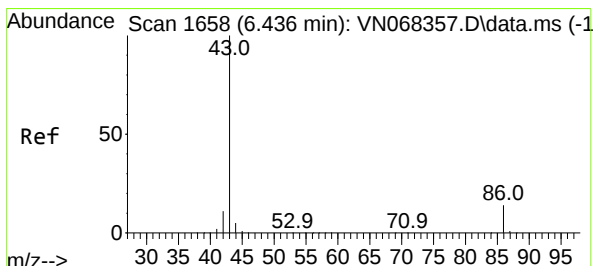
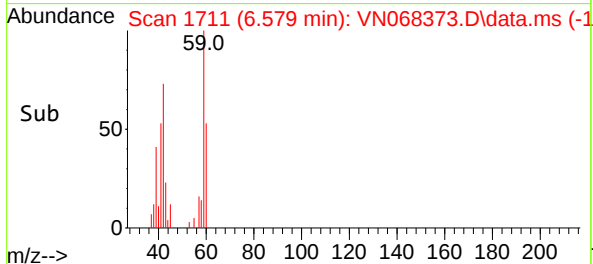
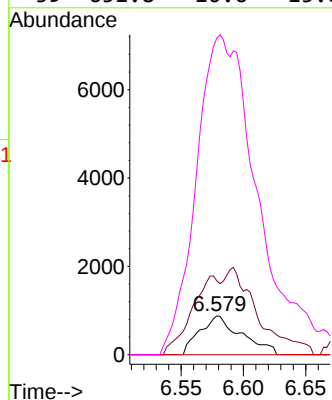


#22
Diisopropyl ether
Concen: 0.206 ug/l
RT: 6.579 min Scan# 1711
Delta R.T. 0.078 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

Instrument :
MSVOA_N
ClientSampled :

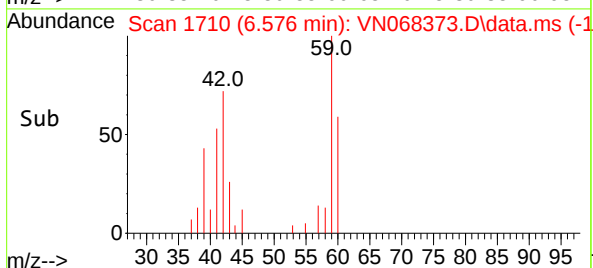
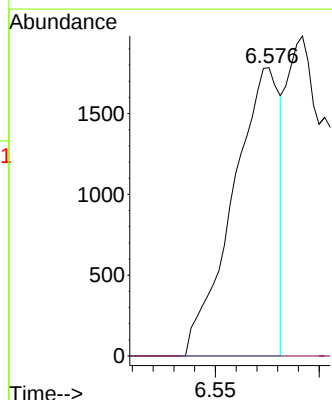
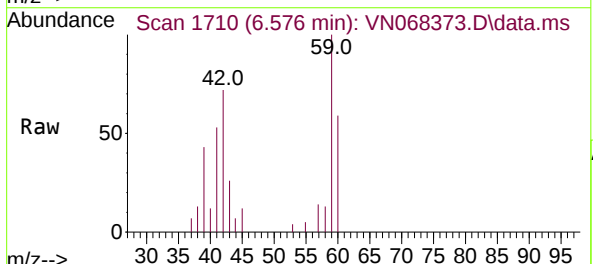


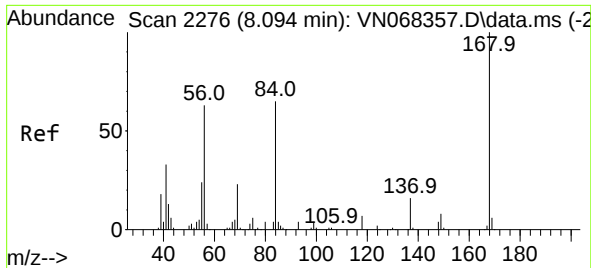
Tgt Ion:	45	Resp:	2048
Ion	Ratio	Lower	Upper
45	100		
43	145.4	48.1	72.1#
87	0.0	30.2	45.2#
59	651.8	10.6	15.8#



#23
Vinyl Acetate
Concen: 0.364 ug/l
RT: 6.576 min Scan# 1710
Delta R.T. 0.140 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

Tgt Ion:	43	Resp:	2800
Ion	Ratio	Lower	Upper
43	100		
86	0.0	11.0	16.6#

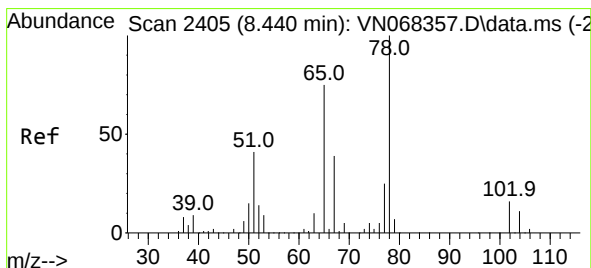
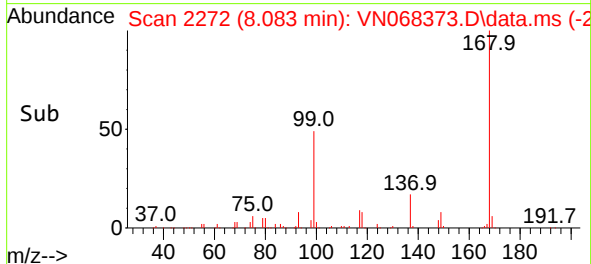
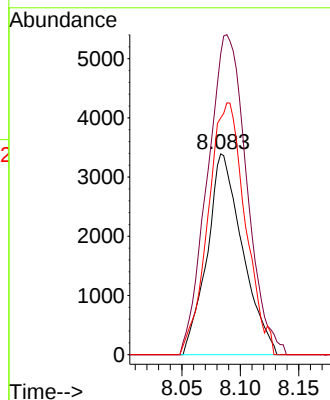
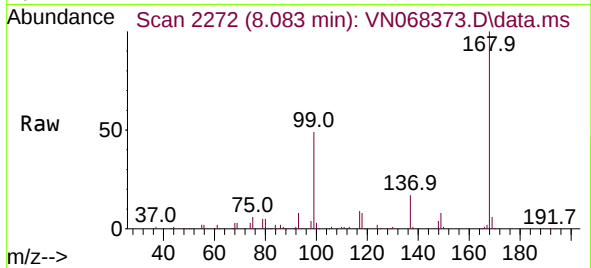




#31
Cyclohexane
Concen: 1.140 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

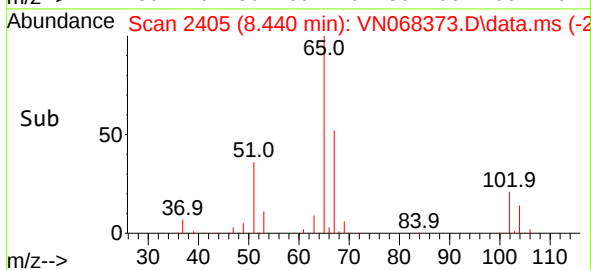
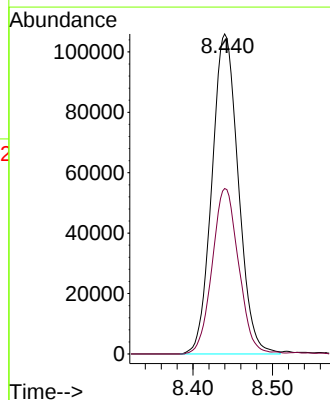
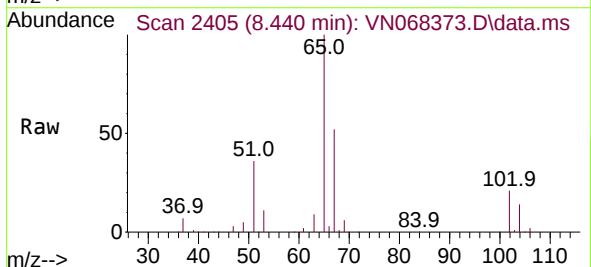
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MSVOA_N
ClientSampled :

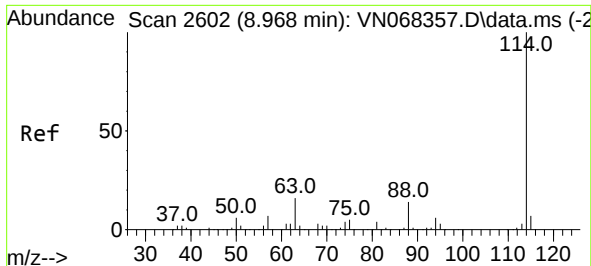
Tgt Ion:	56	Resp:	7125
Ion Ratio	Lower	Upper	
56	100		
69	149.7	29.8	44.6#
84	117.8	82.6	124.0



#33
1,2-Dichloroethane-d4
Concen: 51.546 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

Tgt Ion:	65	Resp:	244570
Ion Ratio	Lower	Upper	
65	100		
67	51.5	0.0	105.8

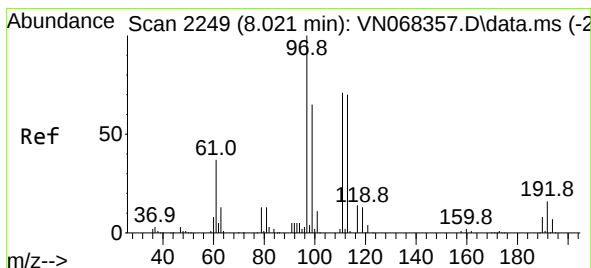
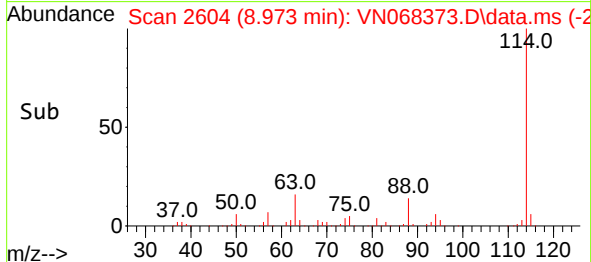
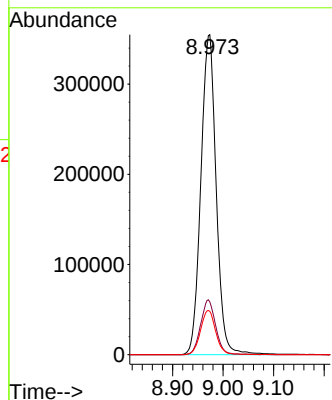
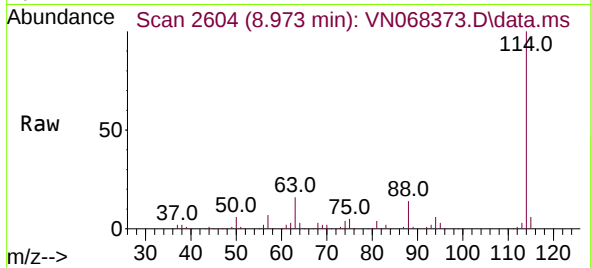




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.973 min Scan# 2604
Delta R.T. 0.005 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

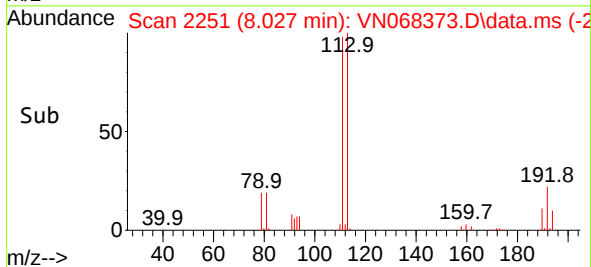
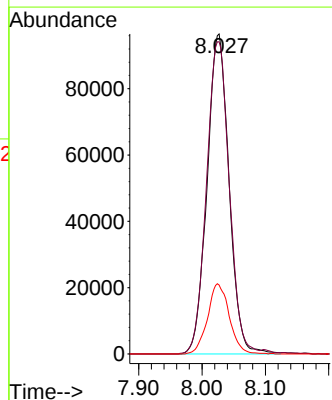
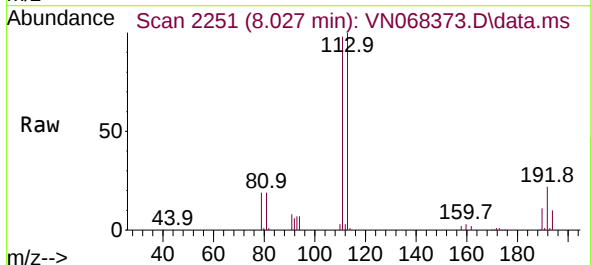
Instrument :
MSVOA_N
ClientSampled :

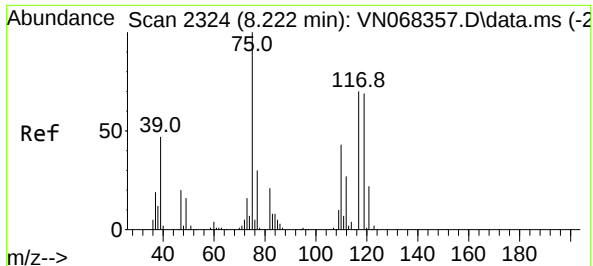
Tgt Ion:114 Resp: 748324
Ion Ratio Lower Upper
114 100
63 16.5 0.0 32.2
88 13.5 0.0 27.6



#35
Dibromofluoromethane
Concen: 49.068 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

Tgt Ion:113 Resp: 232806
Ion Ratio Lower Upper
113 100
111 100.8 82.2 123.4
192 21.7 18.1 27.1

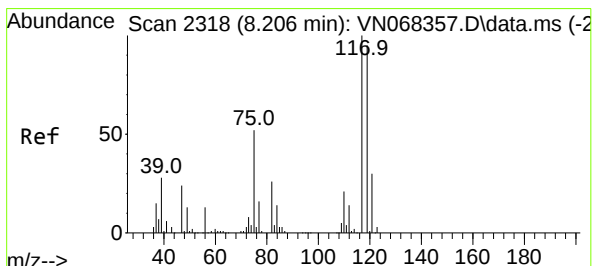
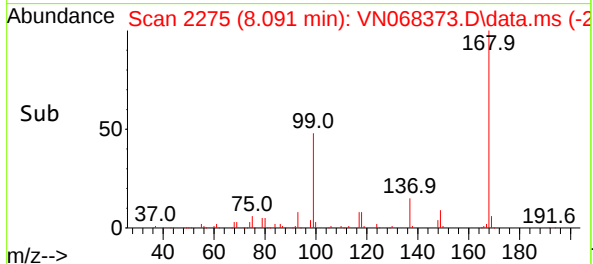
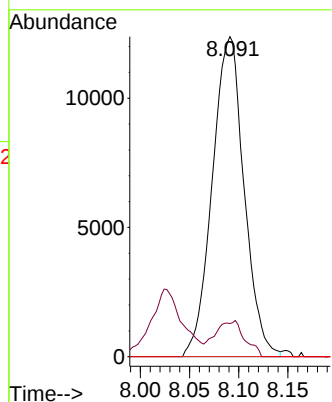
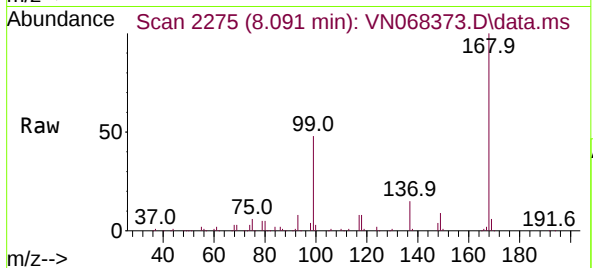




#36
1,1-Dichloropropene
Concen: 4.689 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

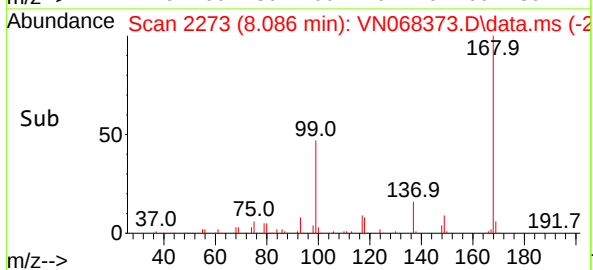
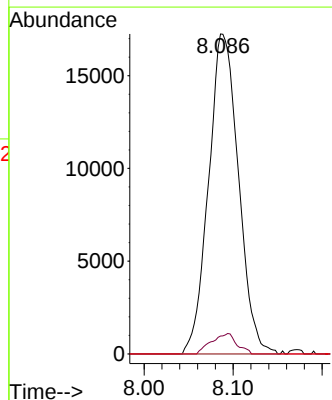
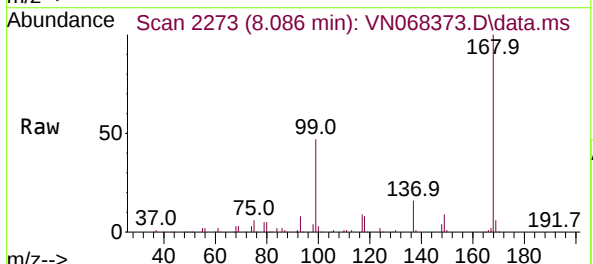
Instrument :
MSVOA_N
ClientSampled :

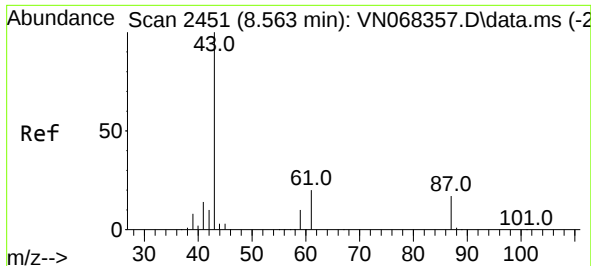
Tgt Ion: 75 Resp: 27906
Ion Ratio Lower Upper
75 100
110 10.5 20.8 62.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

Tgt Ion:117 Resp: 40303
Ion Ratio Lower Upper
117 100
119 5.6 76.0 114.0#
121 0.0 24.2 36.2#

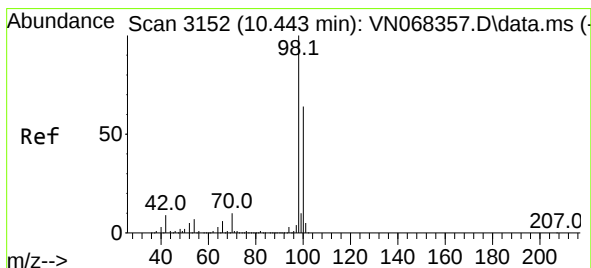
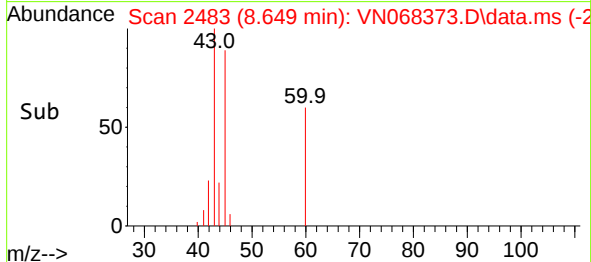
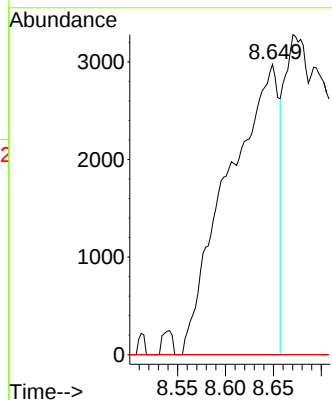
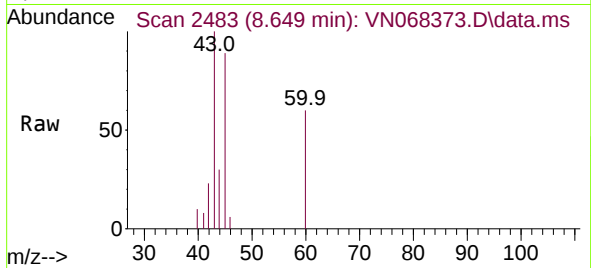




#43
Isopropyl Acetate
Concen: 1.365 ug/l
RT: 8.649 min Scan# 2483
Delta R.T. 0.086 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

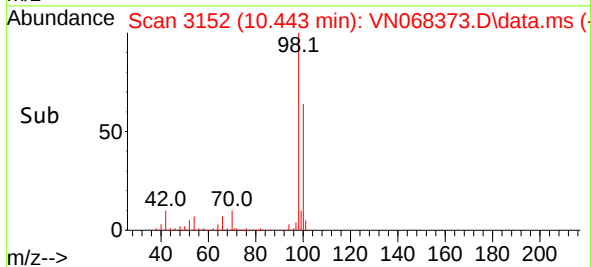
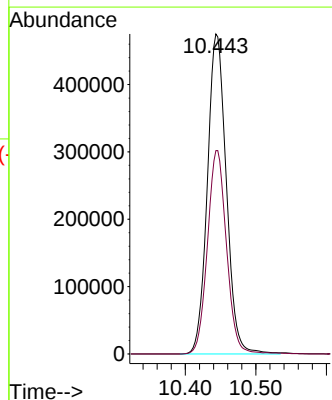
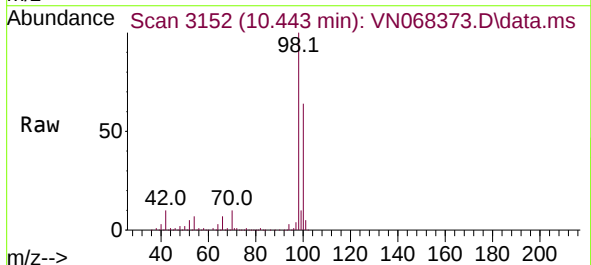
Instrument :
MSVOA_N
ClientSampled :

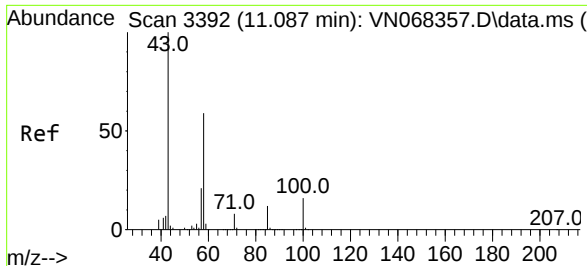
Tgt Ion: 43 Resp: 10948
Ion Ratio Lower Upper
43 100
61 0.0 23.4 35.0#
87 0.0 14.0 21.0#



#50
Toluene-d8
Concen: 49.899 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

Tgt Ion: 98 Resp: 886247
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6

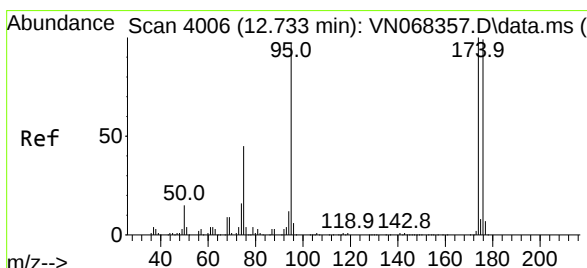
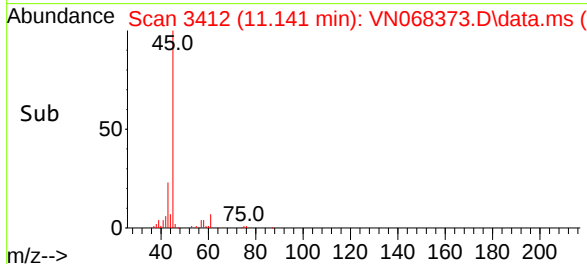
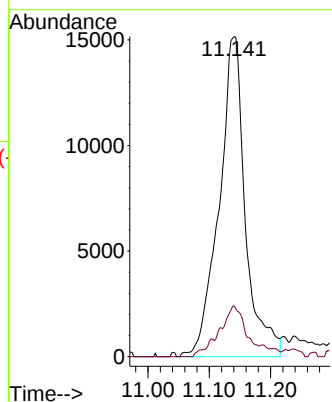
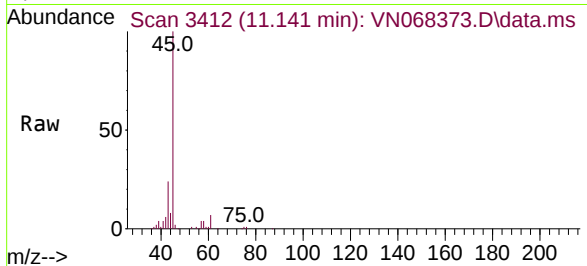




#59
2-Hexanone
Concen: 12.933 ug/l
RT: 11.141 min Scan# 3412
Delta R.T. 0.054 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

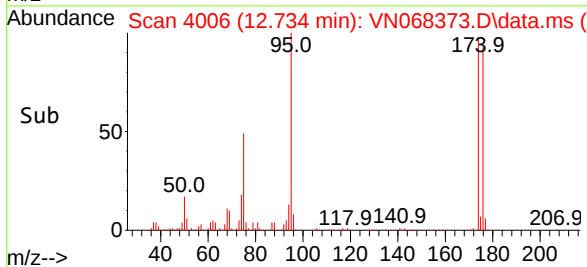
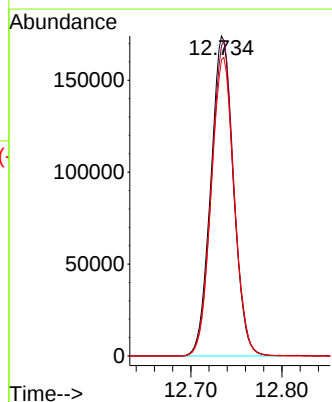
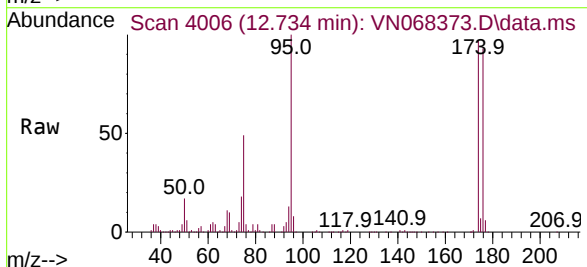
Instrument :
MSVOA_N
ClientSampled :

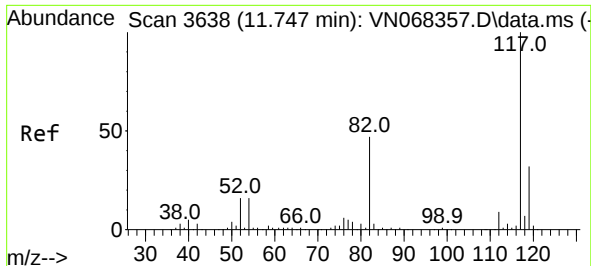
Tgt Ion: 43 Resp: 45130
Ion Ratio Lower Upper
43 100
58 15.8 29.8 89.4#



#62
4-Bromofluorobenzene
Concen: 51.434 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

Tgt Ion: 95 Resp: 299796
Ion Ratio Lower Upper
95 100
174 97.8 0.0 211.4
176 94.3 0.0 205.4

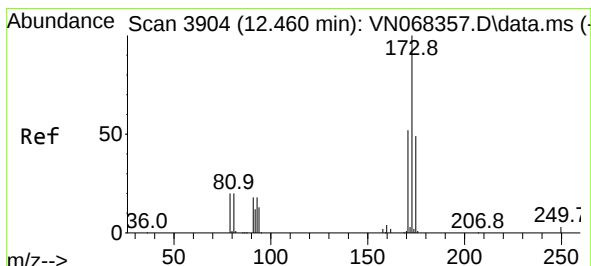
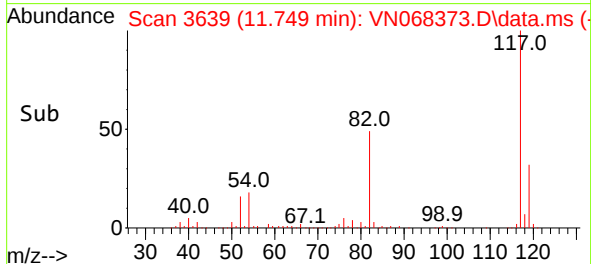
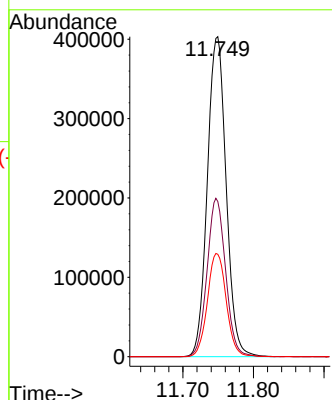
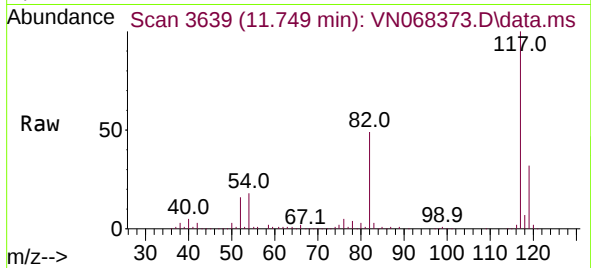




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

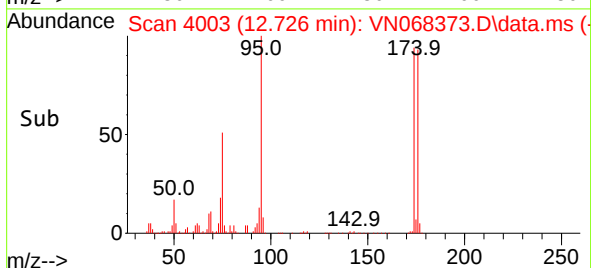
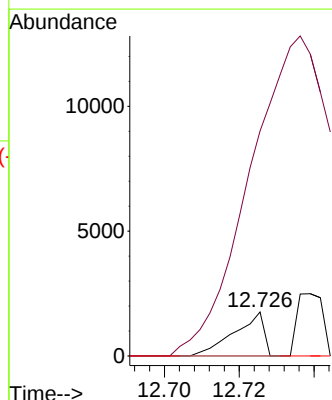
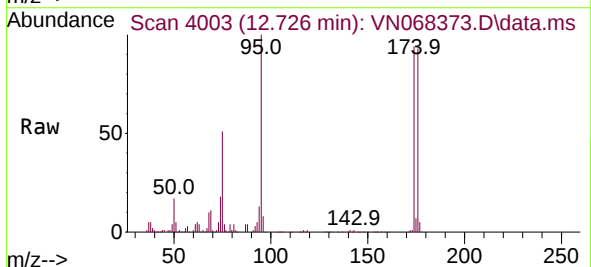
Instrument :
MSVOA_N
ClientSampled :

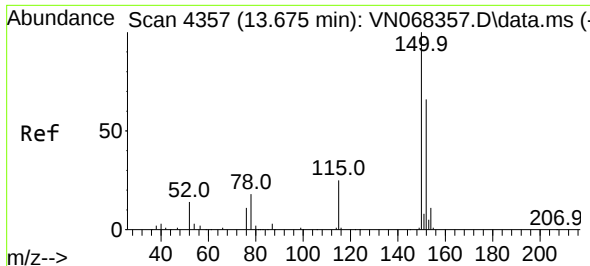
Tgt Ion:117 Resp: 746525
Ion Ratio Lower Upper
117 100
82 48.5 37.8 56.6
119 32.0 26.0 39.0



#71
Bromoform
Concen: 2.106 ug/l
RT: 12.726 min Scan# 4003
Delta R.T. 0.266 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

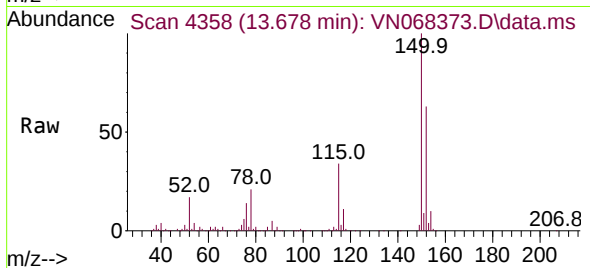
Tgt Ion:173 Resp: 965
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0



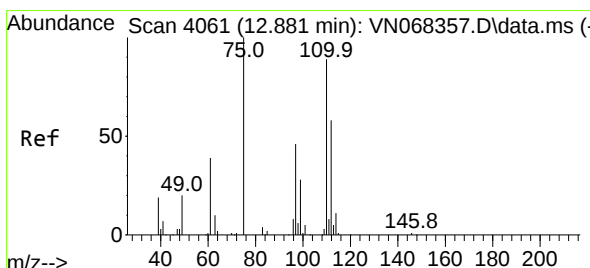
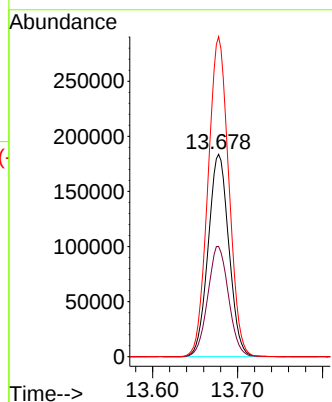
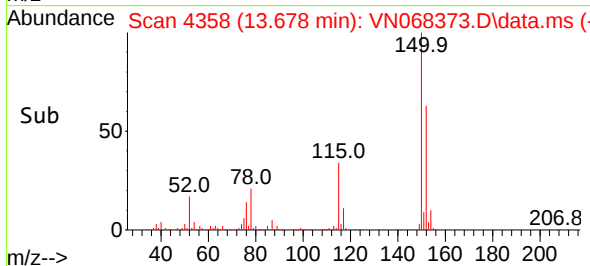


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

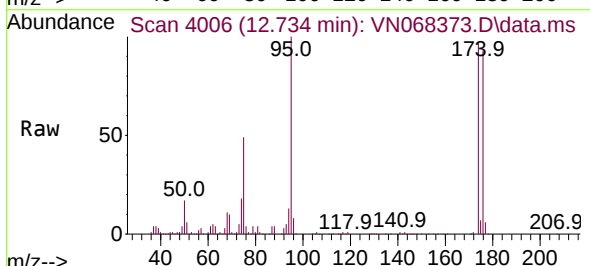
Instrument :
MSVOA_N
ClientSampled :



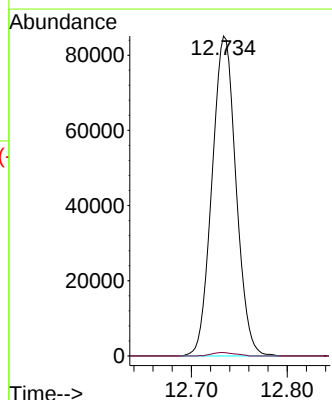
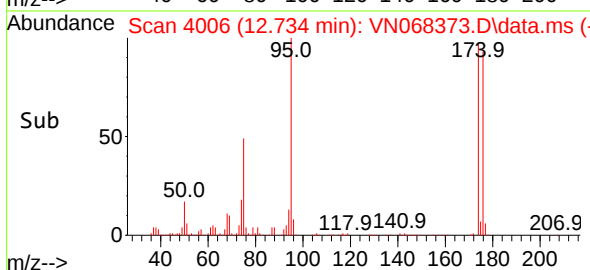
Tgt Ion:152 Resp: 310643
Ion Ratio Lower Upper
152 100
115 55.0 26.1 78.3
150 158.8 0.0 348.4

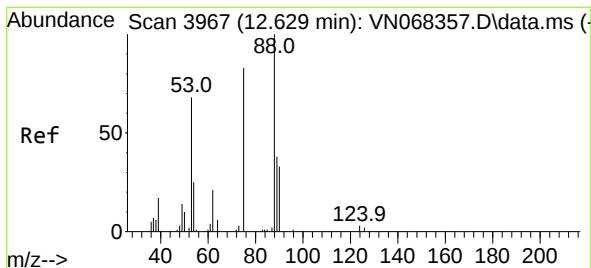


#76
1,2,3-Trichloropropane
Concen: 28.012 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49



Tgt Ion: 75 Resp: 147890
Ion Ratio Lower Upper
75 100
77 1.1 108.3 324.9#

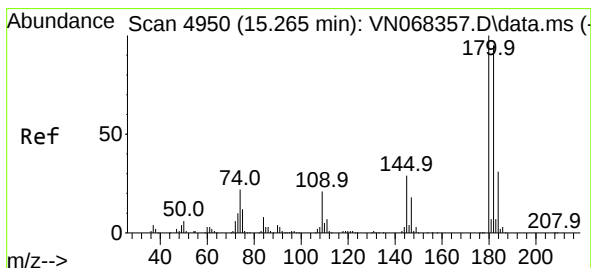
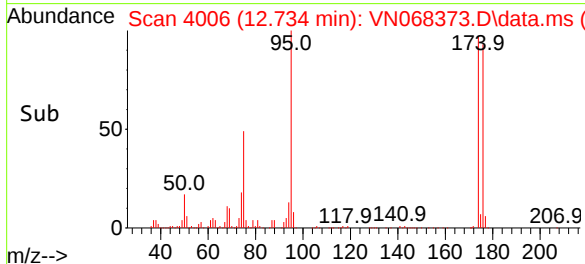
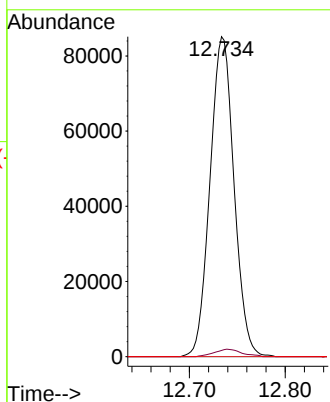
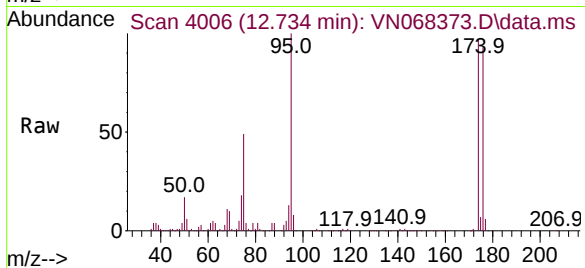




#81
trans-1,4-Dichloro-2-butene
Concen: 92.553 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

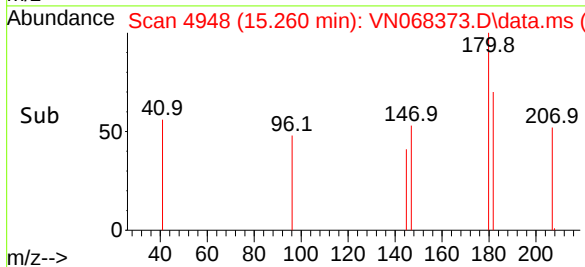
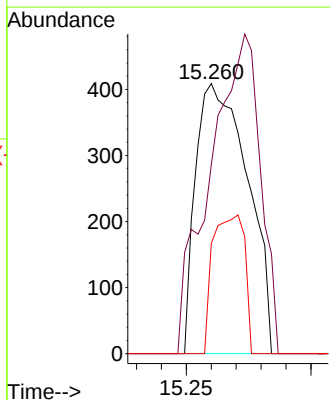
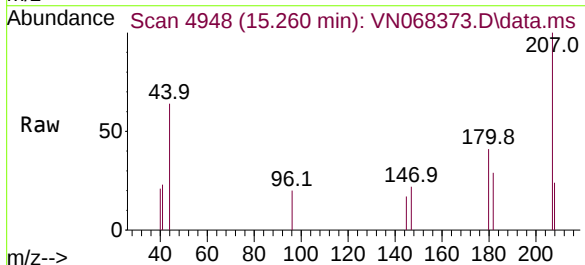
Instrument :
MSVOA_N
ClientSampled :

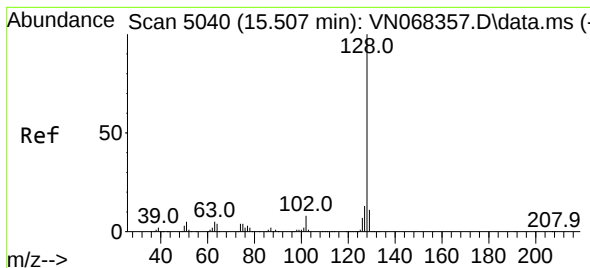
Tgt Ion: 75 Resp: 147890
Ion Ratio Lower Upper
75 100
53 2.7 69.4 104.2#
89 0.0 39.8 59.6#



#93
1,2,4-Trichlorobenzene
Concen: 2.308 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

Tgt Ion:180 Resp: 591
Ion Ratio Lower Upper
180 100
182 114.4 46.9 140.7
145 31.3 14.1 42.3

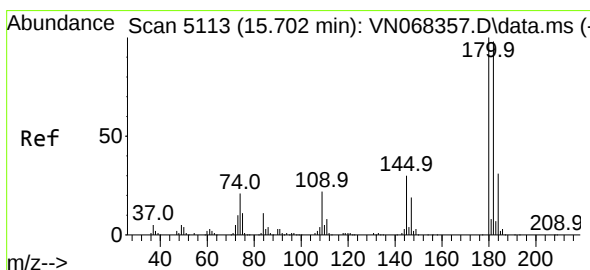
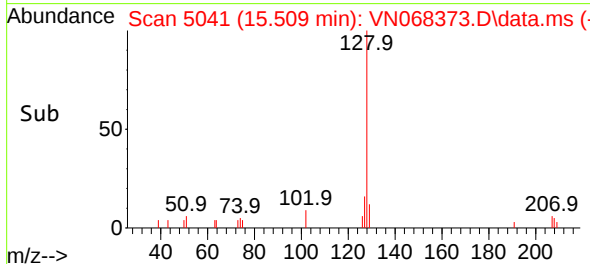
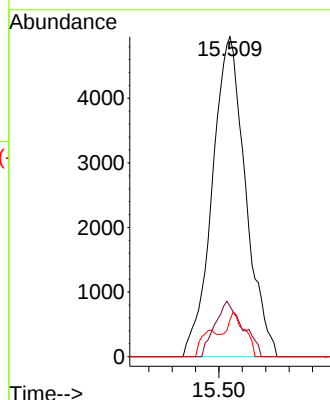
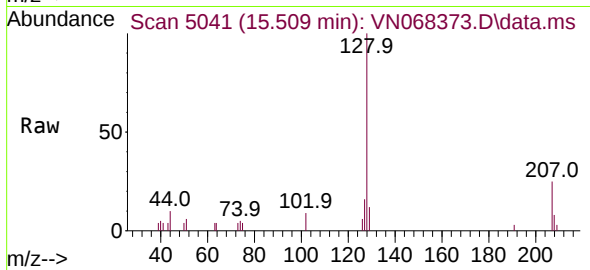




#95
Naphthalene
Concen: 3.072 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	128	Resp:	9769
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.6	16.0
129	7.5	8.6	12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.124 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.001 min
Lab File: VN068373.D
Acq: 31 Aug 2021 16:49

Tgt Ion:	180	Resp:	713
Ion Ratio	Lower	Upper	
180	100		
182	43.3	47.5	142.6#
145	21.3	14.7	44.1

