

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093021\
 Data File : VN068773.D
 Acq On : 30 Sep 2021 19:36
 Operator : JC/MD
 Sample : M3919-03 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 04:49:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 29 23:31:35 2021
 Response via : Initial Calibration

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

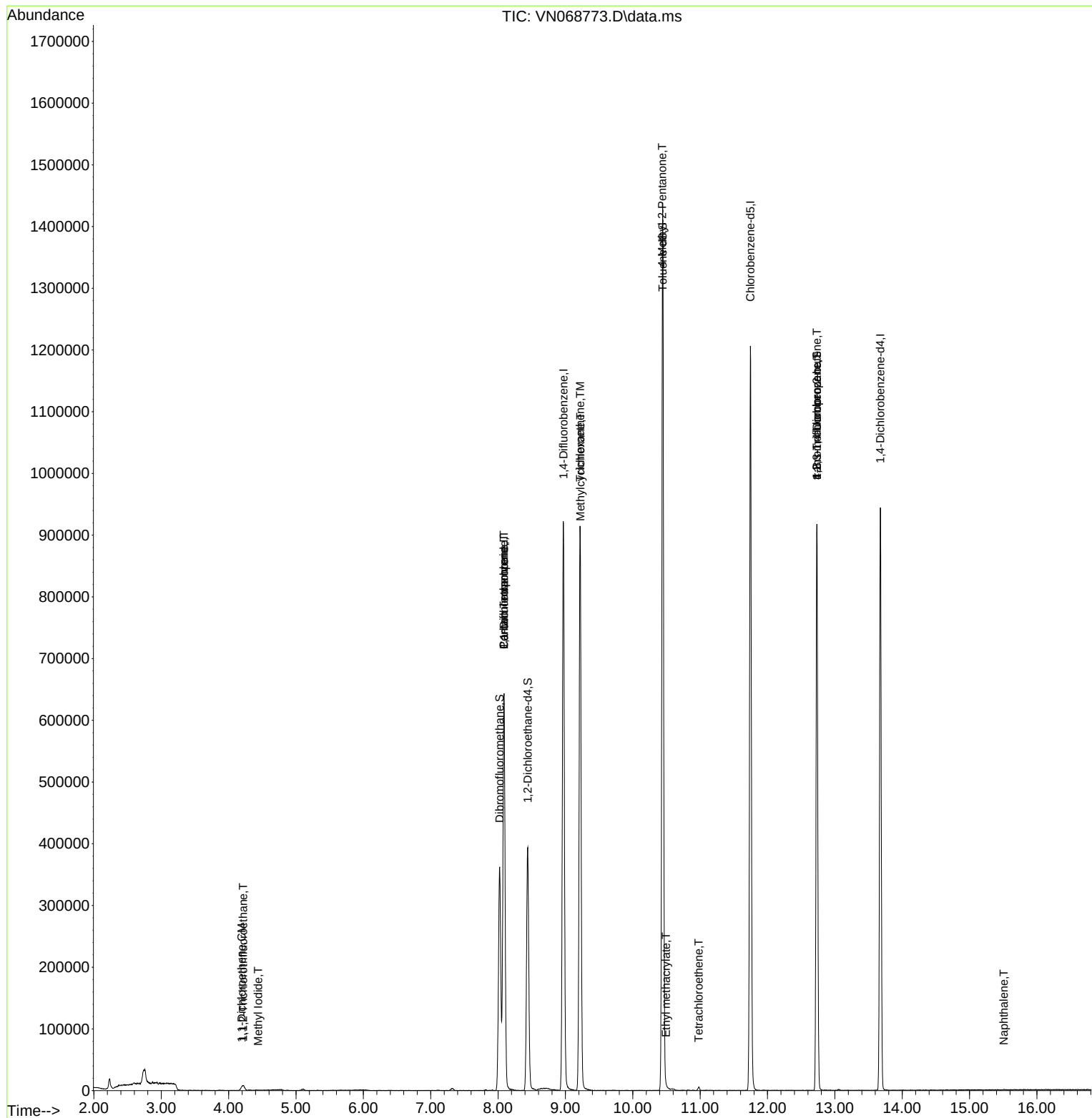
Internal Standards						
1) Pentafluorobenzene	8.088	168	459816	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	807075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	679768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	236064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	326642	50.984	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 101.960%		
35) Dibromofluoromethane	8.024	113	255240	50.900	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 101.800%		
50) Toluene-d8	10.443	98	980525	53.510	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 107.020%		
62) 4-Bromofluorobenzene	12.733	95	289850	45.522	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 91.040%		
Target Compounds						Qvalue
3) Chloromethane	2.303	50	671	Below Cal	#	84
5) Bromomethane	2.850	94	226	Below Cal	#	13
6) Chloroethane	3.060	64	620	Below Cal	#	44
9) 1,1,2-Trichlorotrifluo...	4.215	101	5280	1.047	ug/l #	70
10) Methyl Iodide	4.438	142	27	1.357	ug/l #	33
12) 1,1-Dichloroethene	4.194	96	1067	0.247	ug/l #	31
16) Acetone	4.269	43	26	Below Cal	#	48
17) Carbon Disulfide	4.529	76	80	Below Cal	#	74
31) Cyclohexane	8.088	56	12894	Below Cal	#	35
36) 1,1-Dichloropropene	8.088	75	41590	5.479	ug/l #	51
38) Carbon Tetrachloride	8.088	117	51055	5.662	ug/l #	17
39) Methylcyclohexane	9.223	83	4248	0.483	ug/l #	1
44) Trichloroethene	9.217	130	310169	50.276	ug/l	88
51) 4-Methyl-2-Pentanone	10.438	43	4672	0.583	ug/l #	1
56) Ethyl methacrylate	10.491	69	25	1.827	ug/l #	56
64) Tetrachloroethene	10.979	164	1253	0.247	ug/l	90
76) 1,2,3-Trichloropropane	12.733	75	172327	32.825	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	172327	95.423	ug/l #	6
95) Naphthalene	15.507	128	321	1.475	ug/l #	69

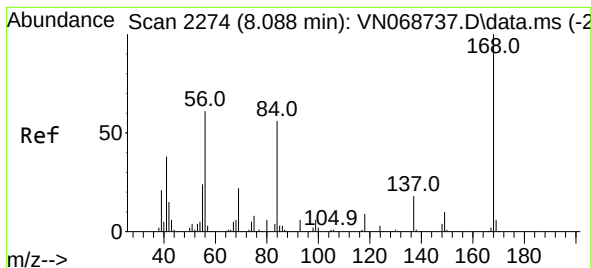
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

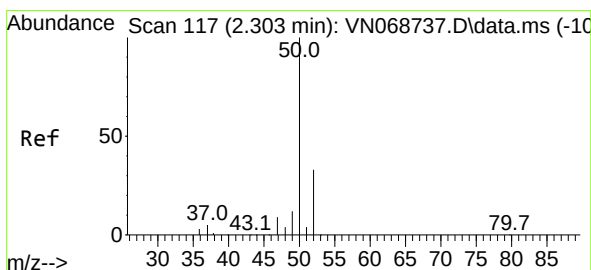
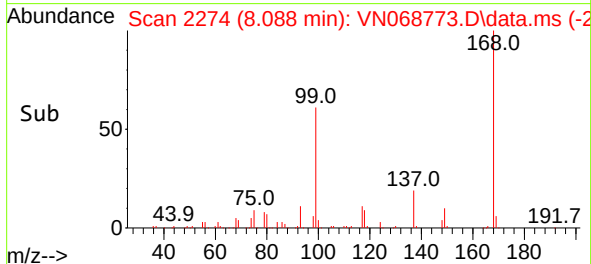
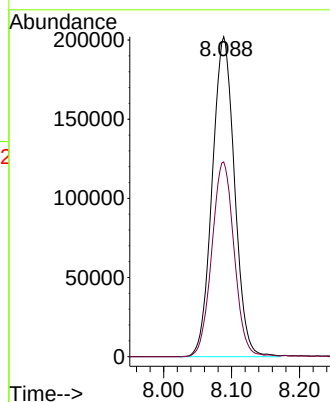
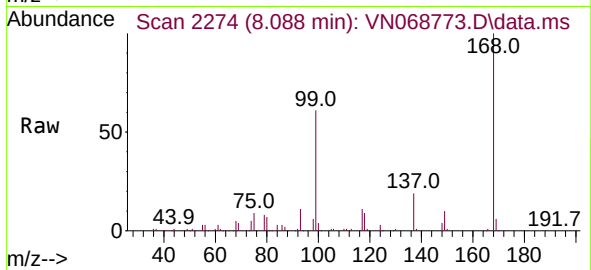
Lab File: VN068773.D

Acq: 30 Sep 2021 19:36

Tgt Ion:168 Resp: 459816

Ion Ratio Lower Upper

168	100		
99	60.8	62.9	94.3#



#3

Chloromethane

Concen: Below Cal

RT: 2.303 min Scan# 117

Delta R.T. 0.000 min

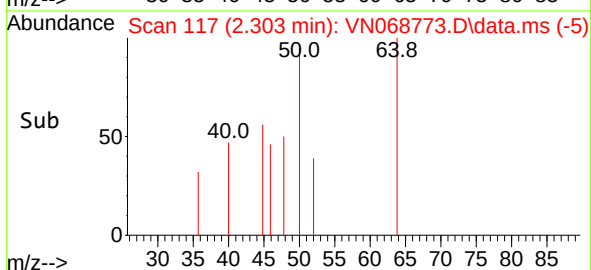
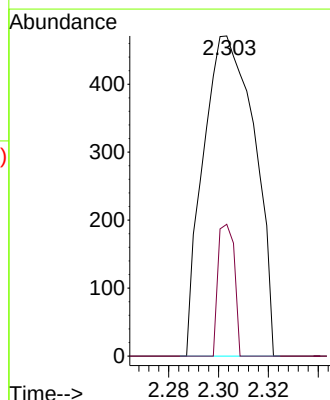
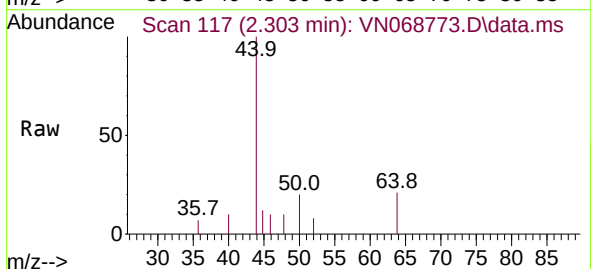
Lab File: VN068773.D

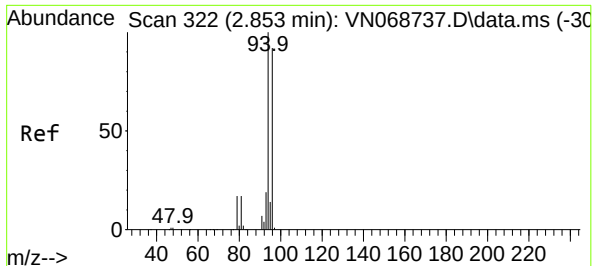
Acq: 30 Sep 2021 19:36

Tgt Ion: 50 Resp: 671

Ion Ratio Lower Upper

50	100		
52	41.2	25.6	38.4#

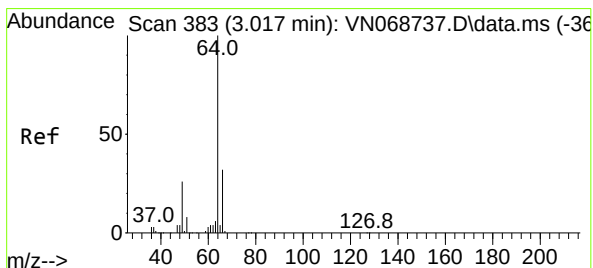
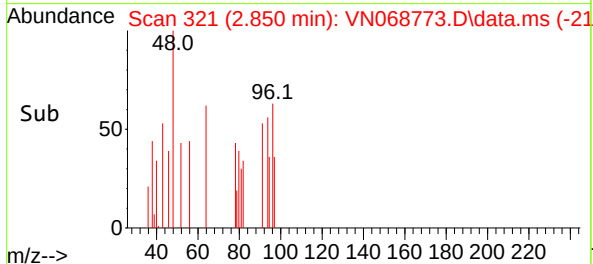
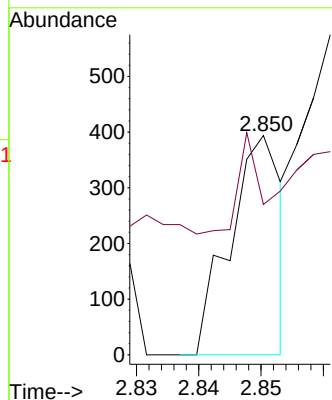
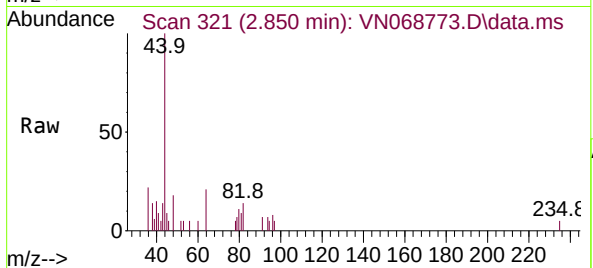




#5
Bromomethane
Concen: Below Cal
RT: 2.850 min Scan# 321
Delta R.T. -0.003 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

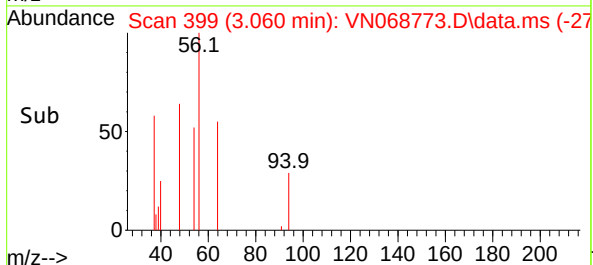
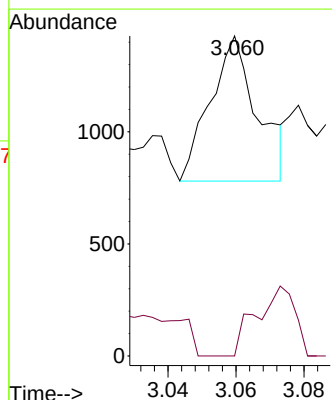
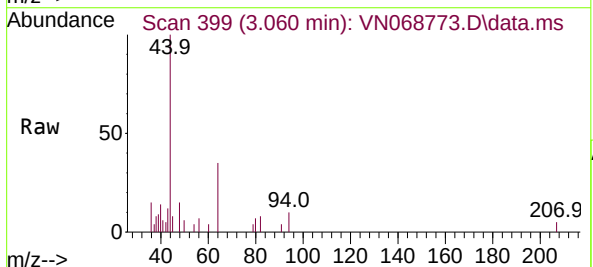
Instrument :
MSVOA_N
ClientSampled :

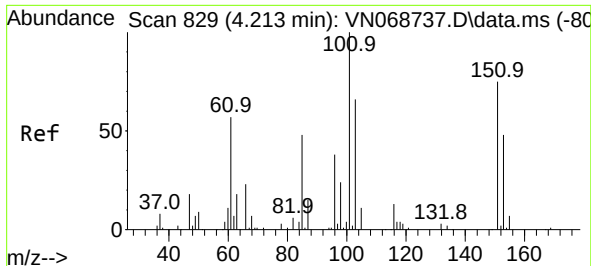
Tgt Ion: 94 Resp: 226
Ion Ratio Lower Upper
94 100
96 9.1 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.060 min Scan# 399
Delta R.T. 0.043 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Tgt Ion: 64 Resp: 620
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

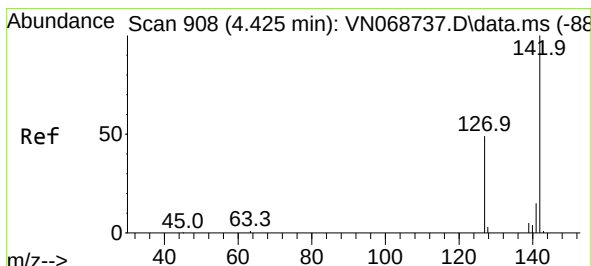
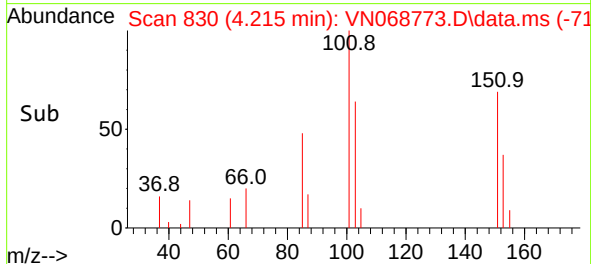
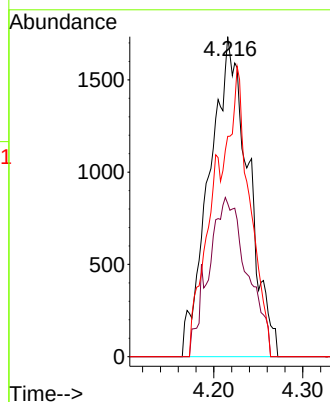
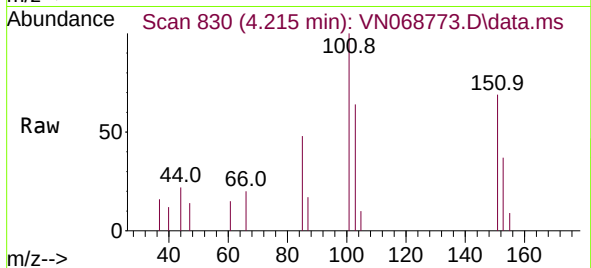




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.047 ug/l
RT: 4.215 min Scan# 830
Delta R.T. 0.002 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

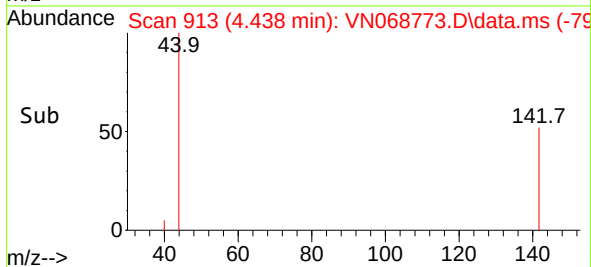
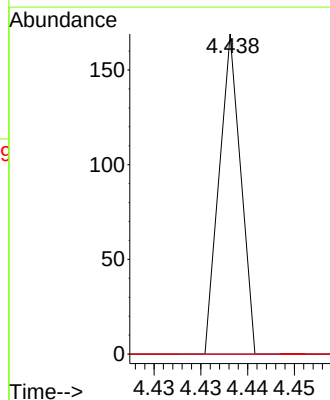
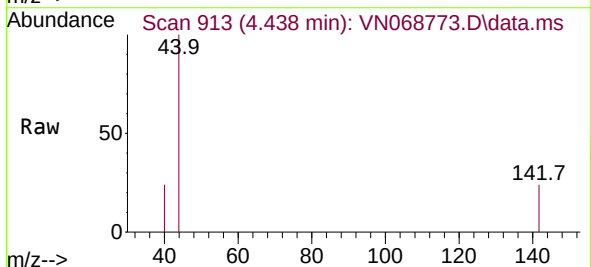
Instrument :
MSVOA_N
ClientSampled :

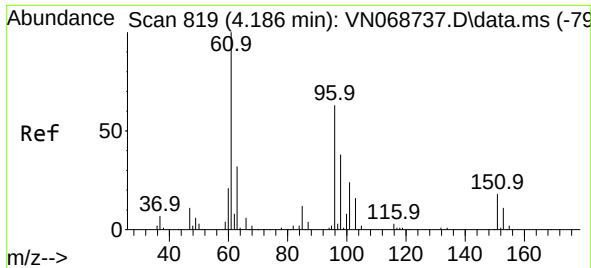
Tgt Ion:101 Resp: 5280
Ion Ratio Lower Upper
101 100
85 49.2 39.6 59.4
151 25.9 54.1 81.1#



#10
Methyl Iodide
Concen: 1.357 ug/l
RT: 4.438 min Scan# 913
Delta R.T. 0.013 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Tgt Ion:142 Resp: 27
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

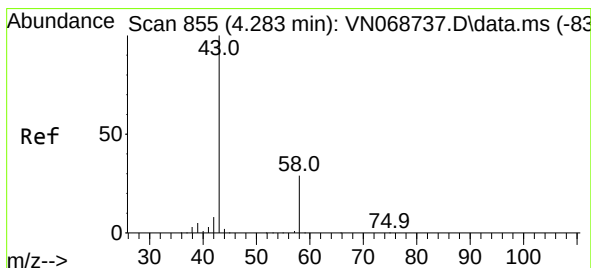
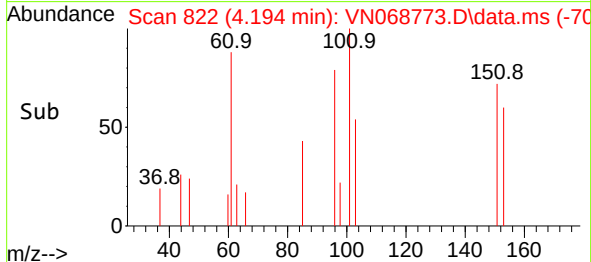
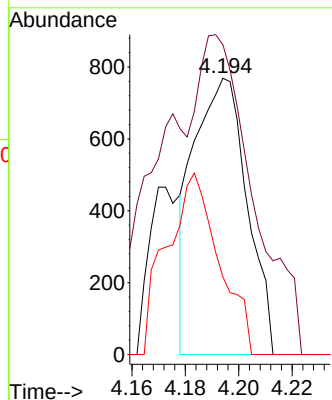
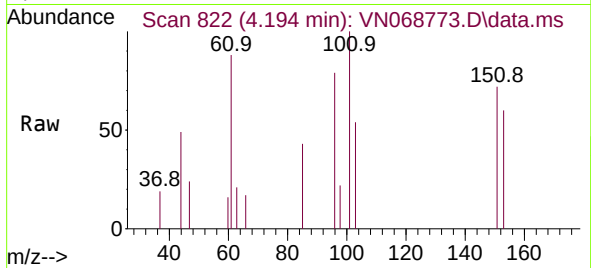




#12
1,1-Dichloroethene
Concen: 0.247 ug/l
RT: 4.194 min Scan# 822
Delta R.T. 0.008 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

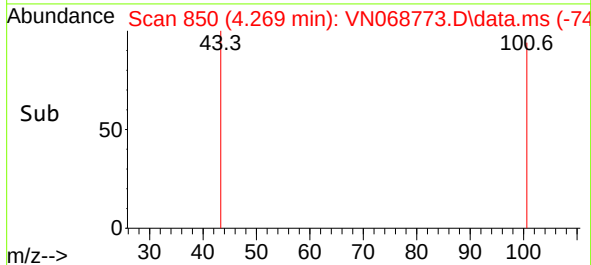
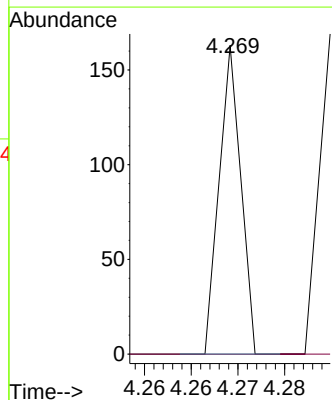
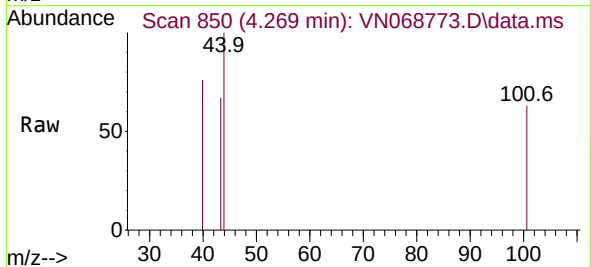
Instrument :
MSVOA_N
ClientSampled :

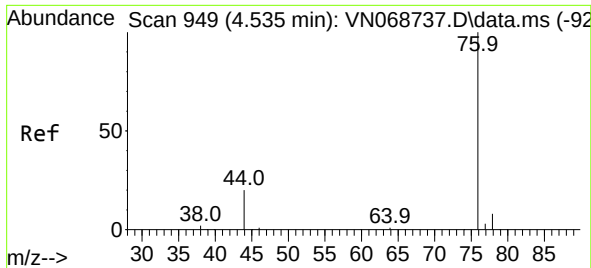
Tgt Ion: 96 Resp: 1067
Ion Ratio Lower Upper
96 100
61 77.2 152.6 229.0#
98 28.1 50.9 76.3#



#16
Acetone
Concen: Below Cal
RT: 4.269 min Scan# 850
Delta R.T. -0.014 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Tgt Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#

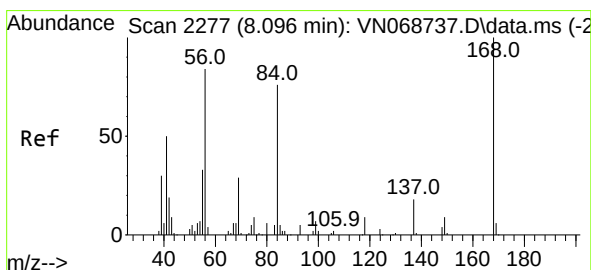
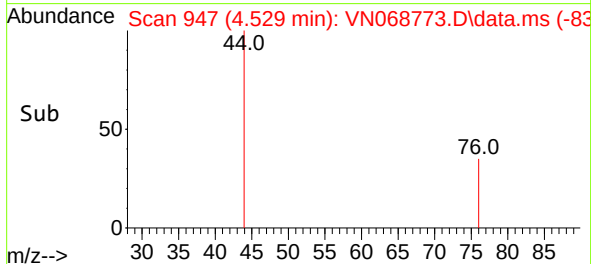
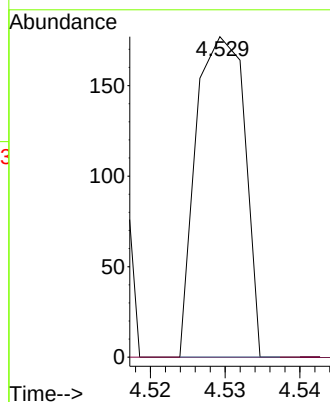
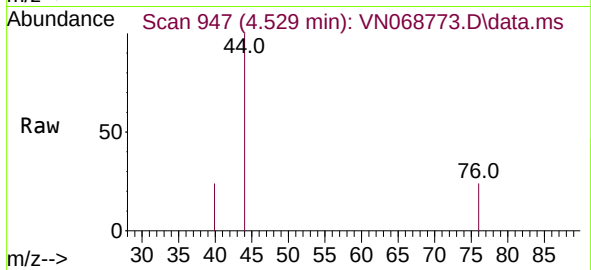




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.529 min Scan# 947
Delta R.T. -0.006 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

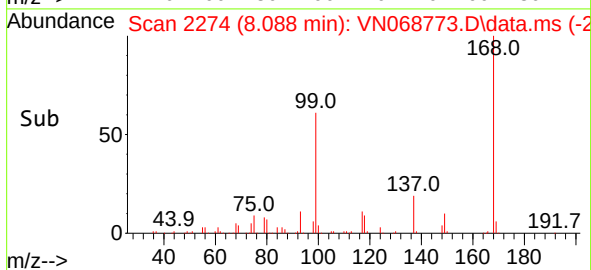
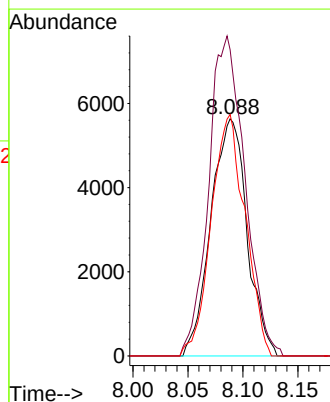
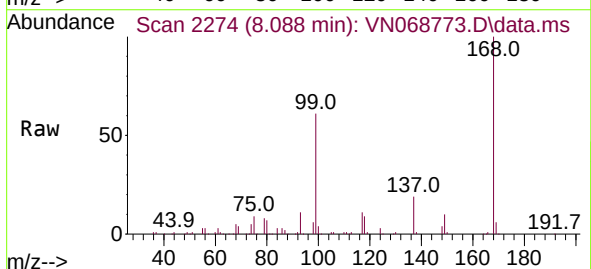
Instrument :
MSVOA_N
ClientSampled :

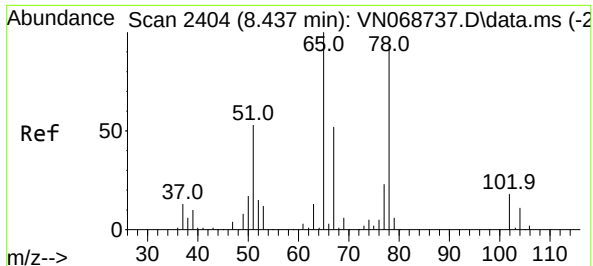
Tgt Ion: 76 Resp: 80
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#31
Cyclohexane
Concen: Below Cal
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Tgt Ion: 56 Resp: 12894
Ion Ratio Lower Upper
56 100
69 129.1 27.3 40.9#
84 101.8 64.9 97.3#



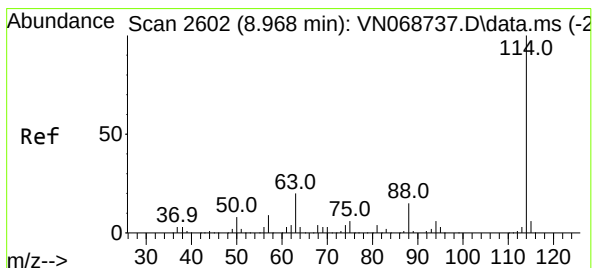
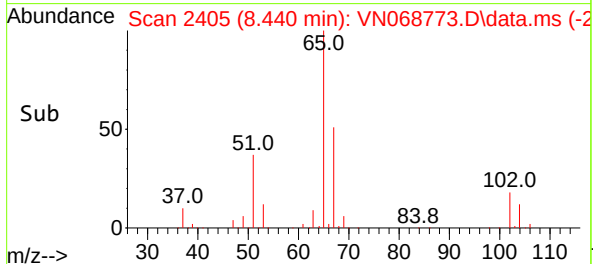
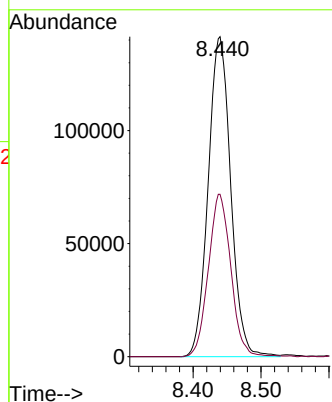
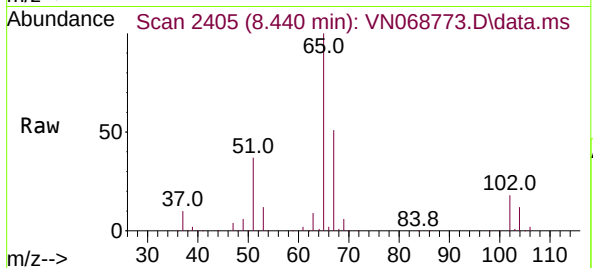


#33

1,2-Dichloroethane-d4
Concen: 50.984 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Instrument :
MSVOA_N
ClientSampled :

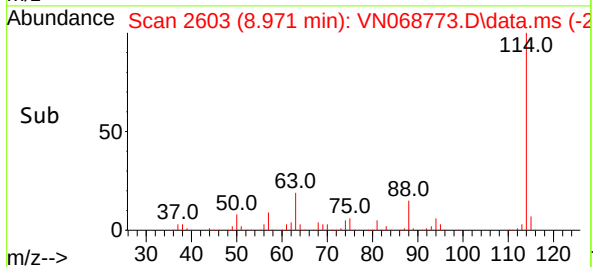
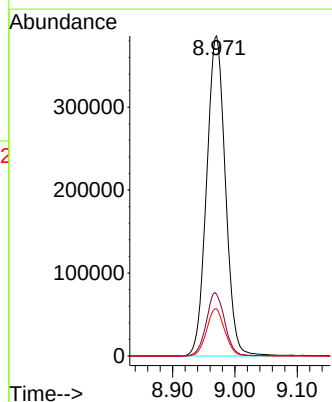
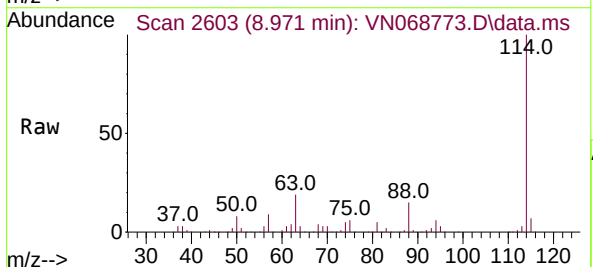
Tgt Ion: 65 Resp: 326642
Ion Ratio Lower Upper
65 100
67 50.3 0.0 98.6

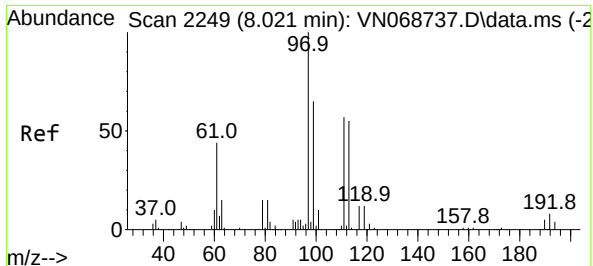


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Tgt Ion: 114 Resp: 807075
Ion Ratio Lower Upper
114 100
63 19.3 0.0 49.0
88 14.7 0.0 36.6

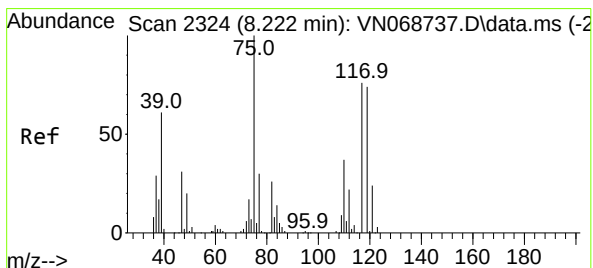
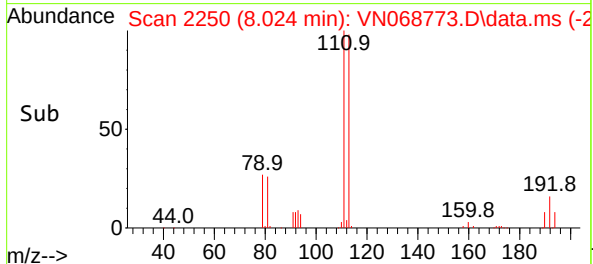
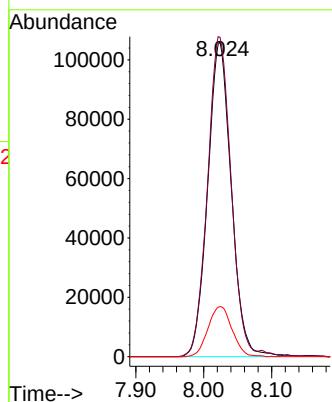
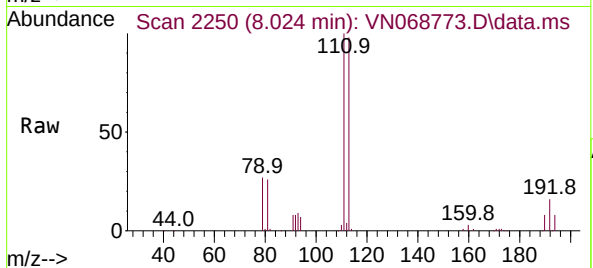




#35
Dibromofluoromethane
Concen: 50.900 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

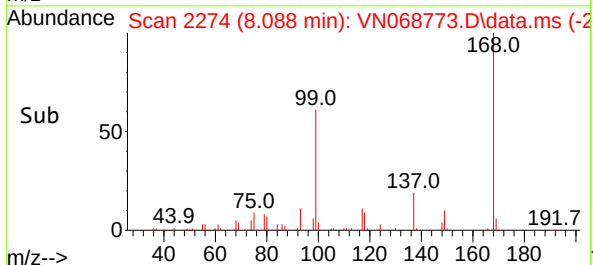
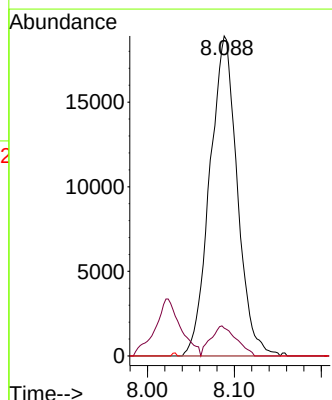
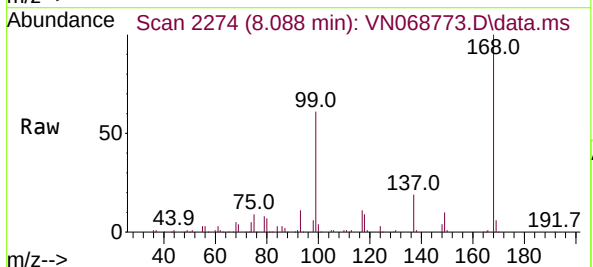
Instrument :
MSVOA_N
ClientSampled :

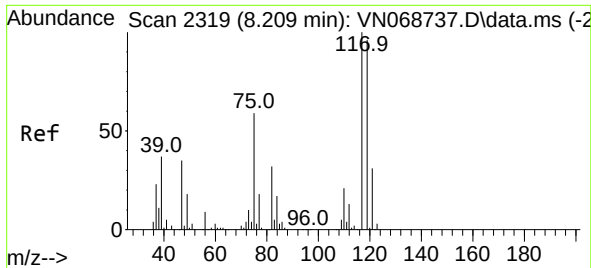
Tgt Ion:113 Resp: 255240
Ion Ratio Lower Upper
113 100
111 101.8 83.8 125.8
192 16.3 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.479 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Tgt Ion: 75 Resp: 41590
Ion Ratio Lower Upper
75 100
110 8.7 15.7 47.0#
77 0.0 24.6 37.0#

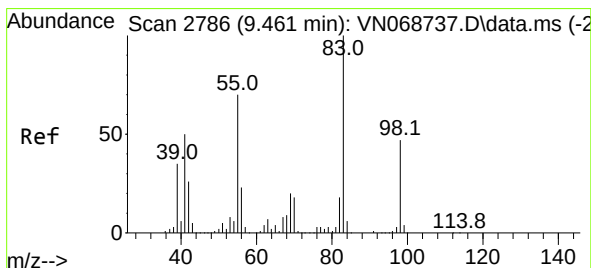
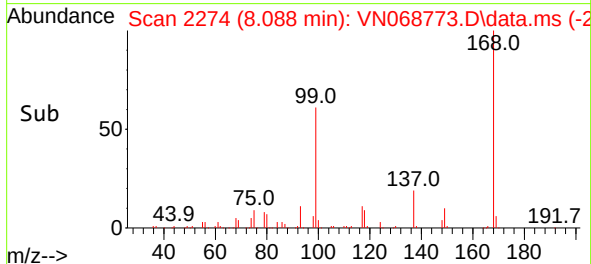
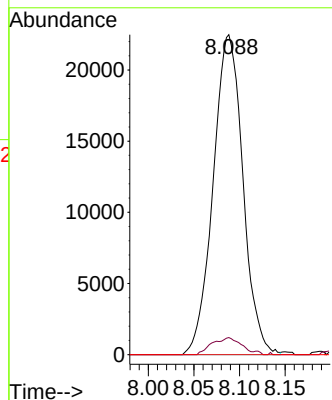
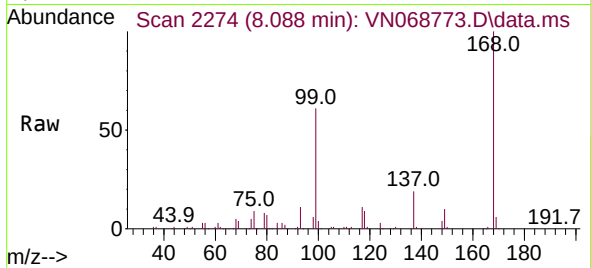




#38
Carbon Tetrachloride
Concen: 5.662 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

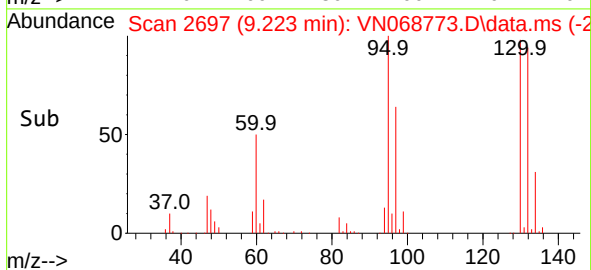
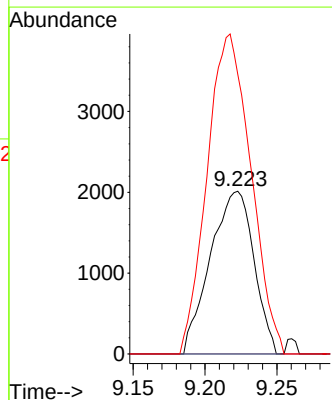
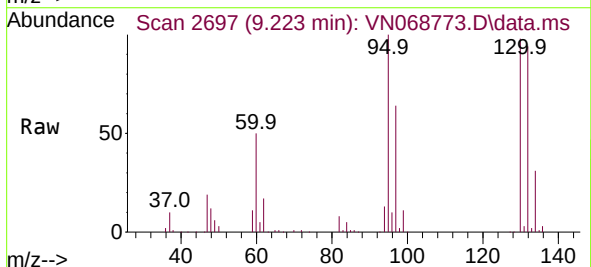
Instrument :
MSVOA_N
ClientSampled :

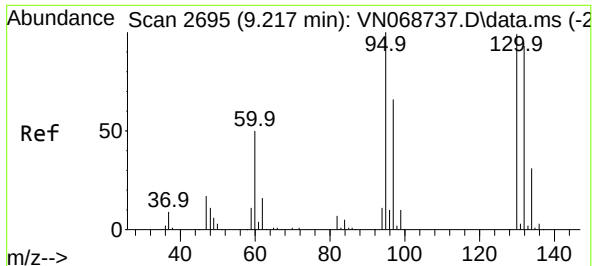
Tgt Ion:117 Resp: 51055
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#



#39
Methylcyclohexane
Concen: 0.483 ug/l
RT: 9.223 min Scan# 2697
Delta R.T. -0.238 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Tgt Ion: 83 Resp: 4248
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 171.7 35.3 52.9#

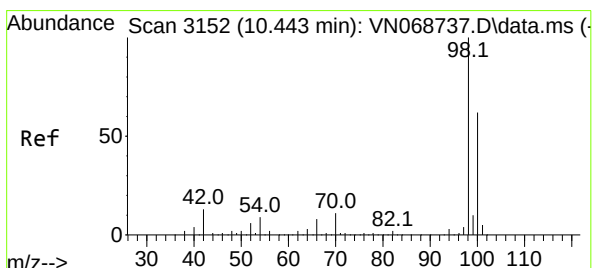
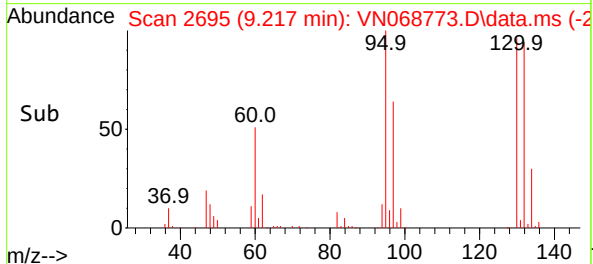
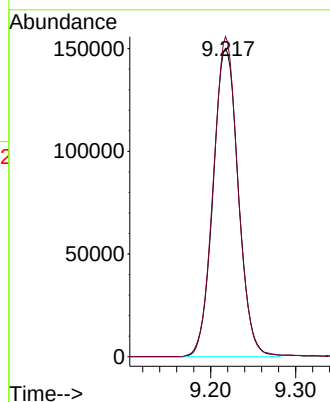
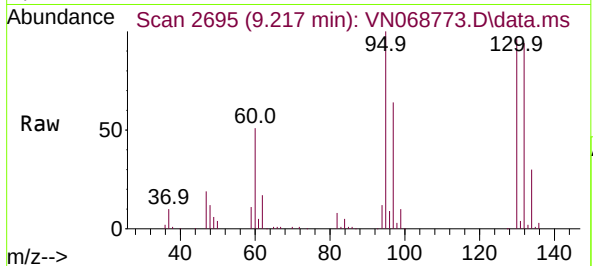




#44
Trichloroethene
Concen: 50.276 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

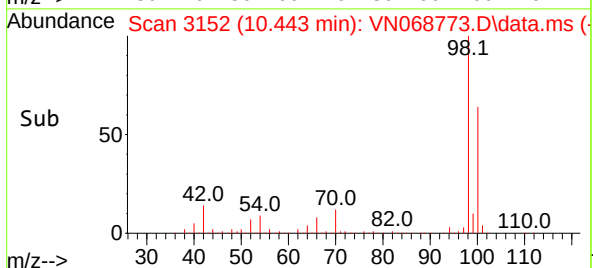
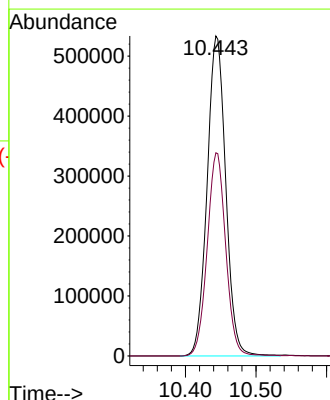
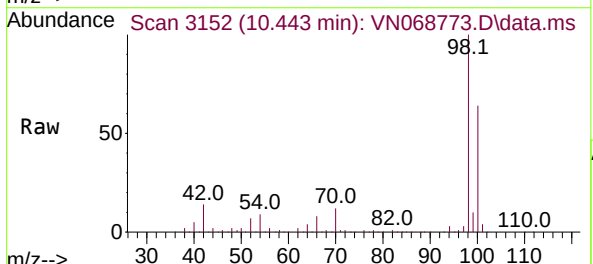
Instrument :
MSVOA_N
ClientSampled :

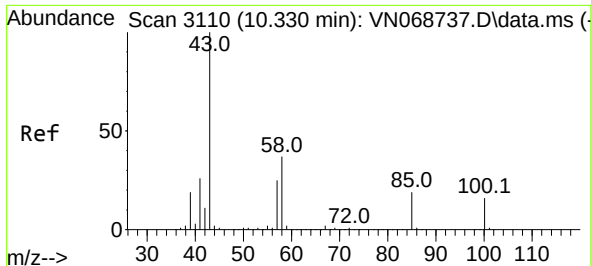
Tgt Ion:130 Resp: 310169
Ion Ratio Lower Upper
130 100
95 103.8 0.0 234.4



#50
Toluene-d8
Concen: 53.510 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Tgt Ion: 98 Resp: 980525
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5

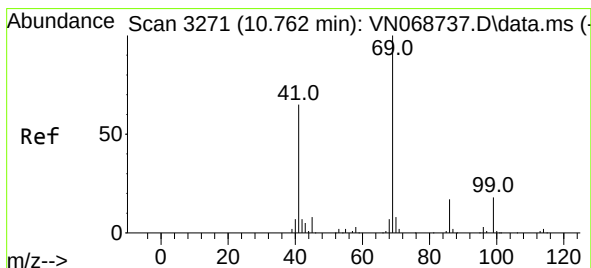
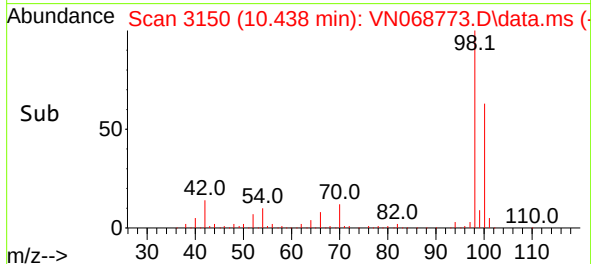
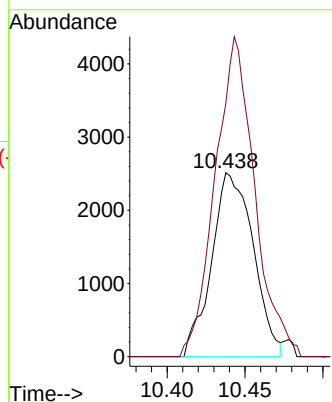
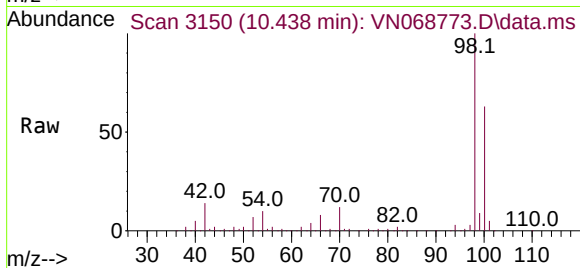




#51
4-Methyl-2-Pentanone
Concen: 0.583 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. 0.108 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

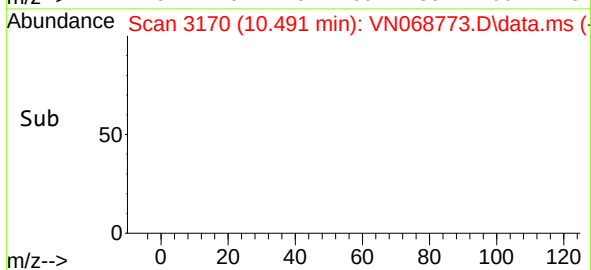
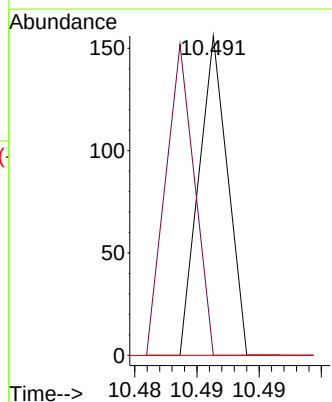
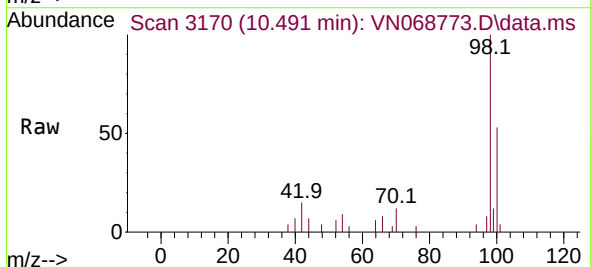
Instrument :
MSVOA_N
ClientSampled :

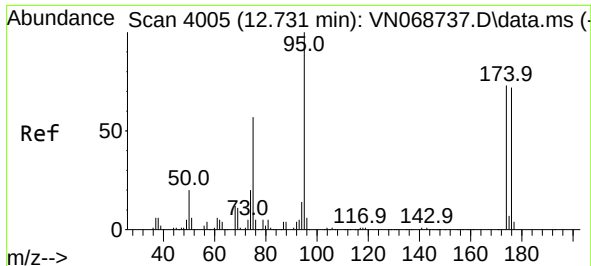
Tgt Ion: 43 Resp: 4672
Ion Ratio Lower Upper
43 100
58 165.4 28.6 43.0#



#56
Ethyl methacrylate
Concen: 1.827 ug/l
RT: 10.491 min Scan# 3170
Delta R.T. -0.271 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Tgt Ion: 69 Resp: 25
Ion Ratio Lower Upper
69 100
41 96.0 58.6 88.0#
39 0.0 38.3 57.5#

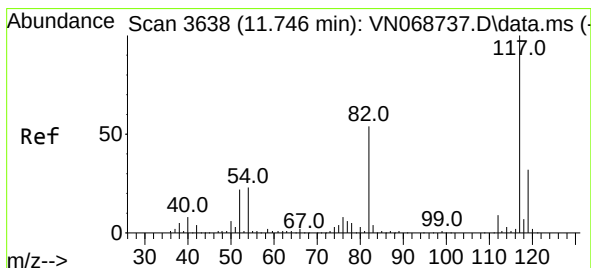
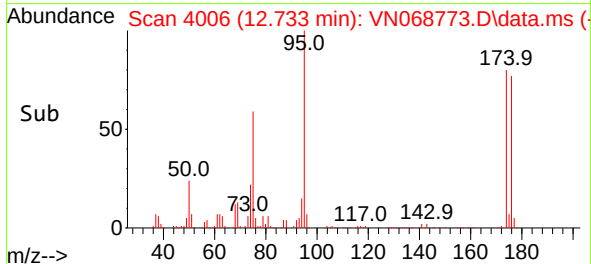
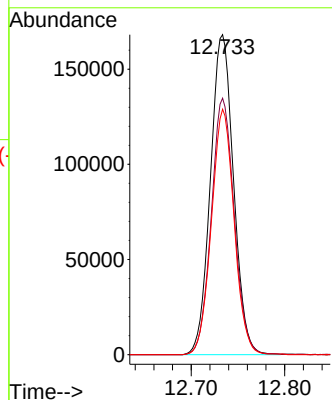
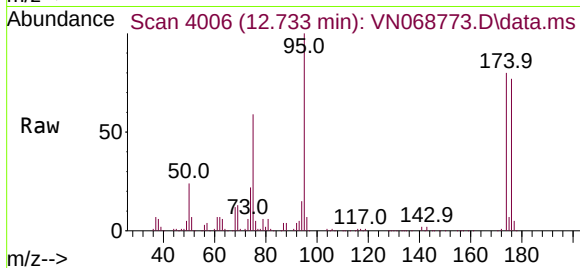




#62
4-Bromofluorobenzene
Concen: 45.522 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

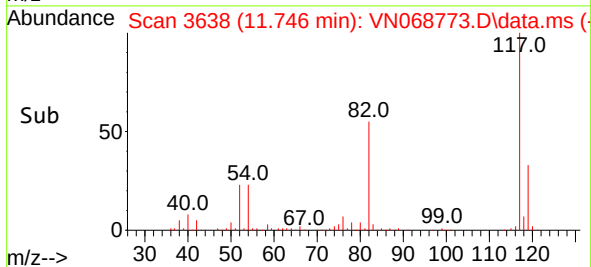
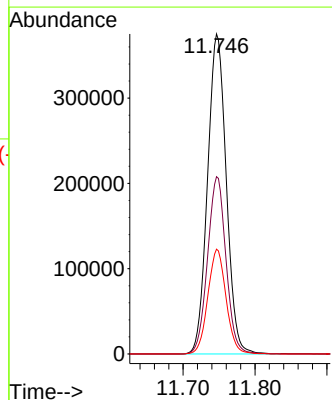
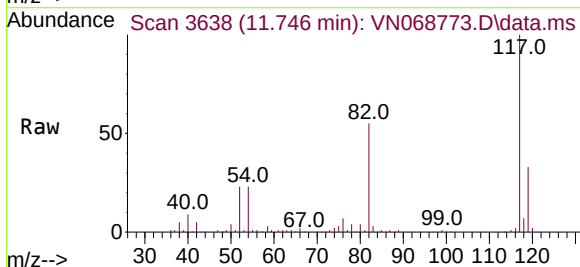
Instrument :
MSVOA_N
ClientSampleId :

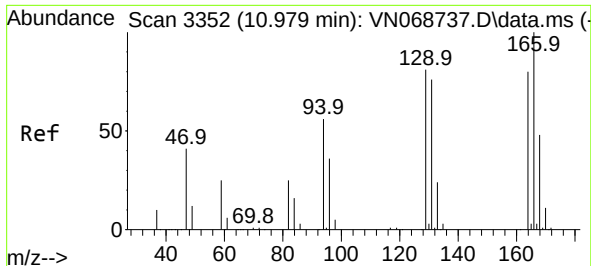
Tgt Ion: 95 Resp: 289850
Ion Ratio Lower Upper
95 100
174 79.6 0.0 122.0
176 75.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Tgt Ion: 117 Resp: 679768
Ion Ratio Lower Upper
117 100
82 55.4 53.1 79.7
119 32.8 25.5 38.3



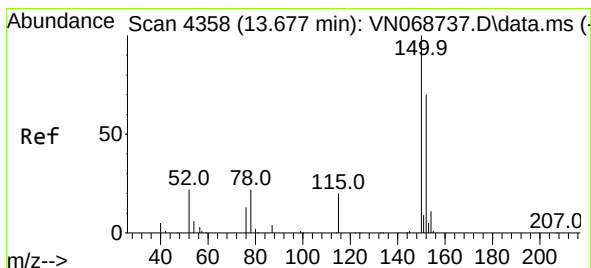
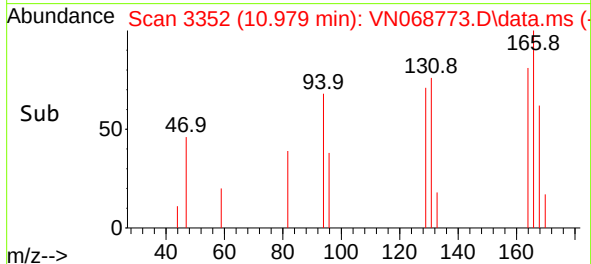
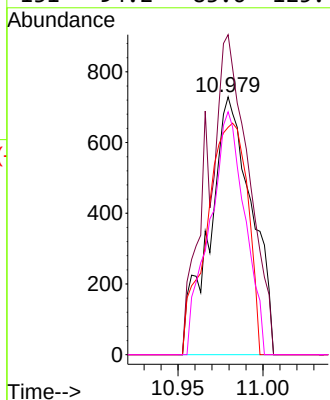
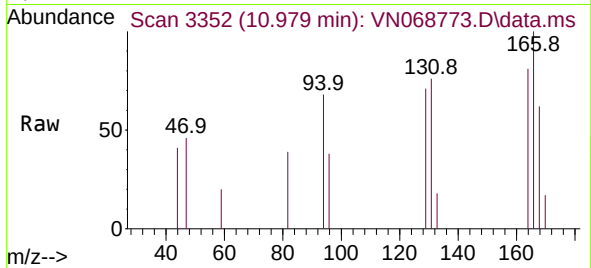


#64
Tetrachloroethene
Concen: 0.247 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:164 Resp: 1253

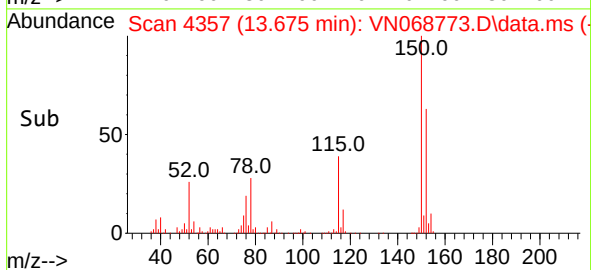
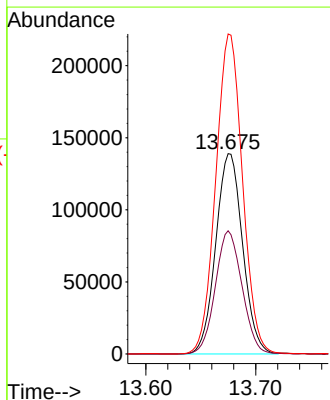
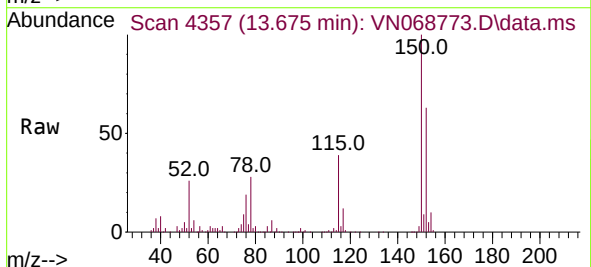
Ion	Ratio	Lower	Upper
164	100		
166	124.1	102.1	153.1
129	88.2	86.9	130.3
131	94.2	83.6	125.4

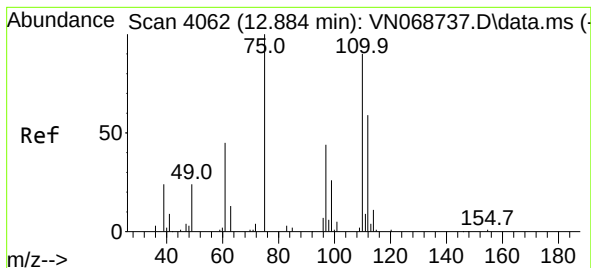


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Tgt Ion:152 Resp: 236064

Ion	Ratio	Lower	Upper
152	100		
115	60.9	36.1	108.5
150	159.2	0.0	351.8

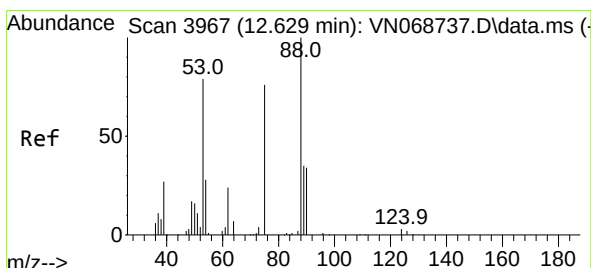
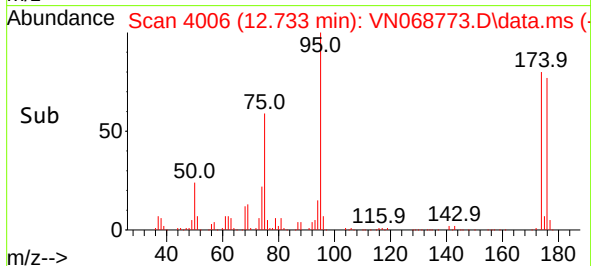
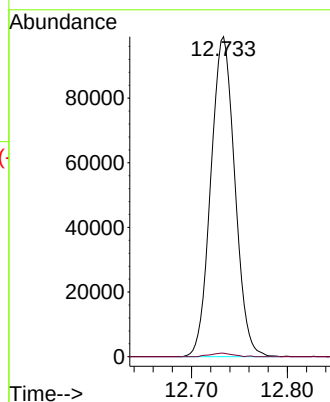
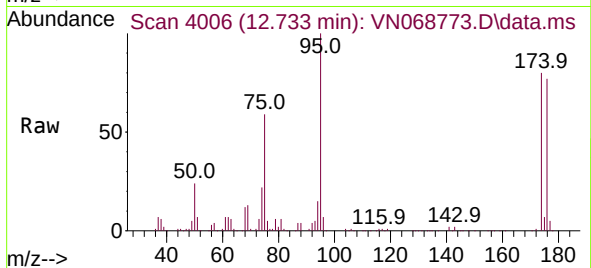




#76
1,2,3-Trichloropropane
Concen: 32.825 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

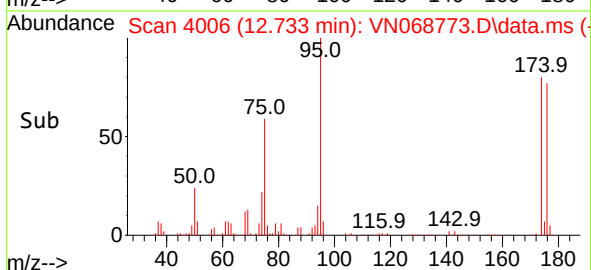
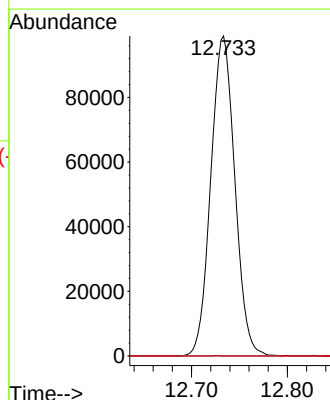
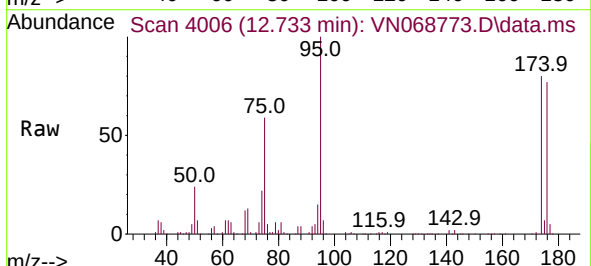
Instrument :
MSVOA_N
ClientSampleId :

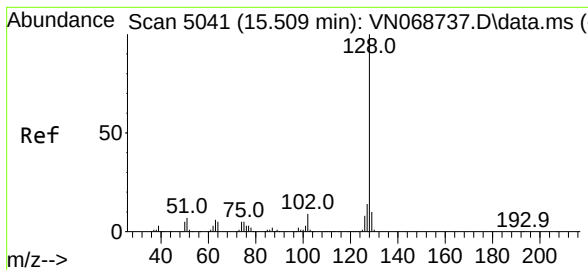
Tgt Ion: 75 Resp: 172327
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.423 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Tgt Ion: 75 Resp: 172327
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 1.475 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN068773.D
Acq: 30 Sep 2021 19:36

Instrument :
MSVOA_N
ClientSampleId :

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

