

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068218.D
 Acq On : 19 Aug 2021 15:49
 Operator : JC/MD
 Sample : M3475-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 01:54:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

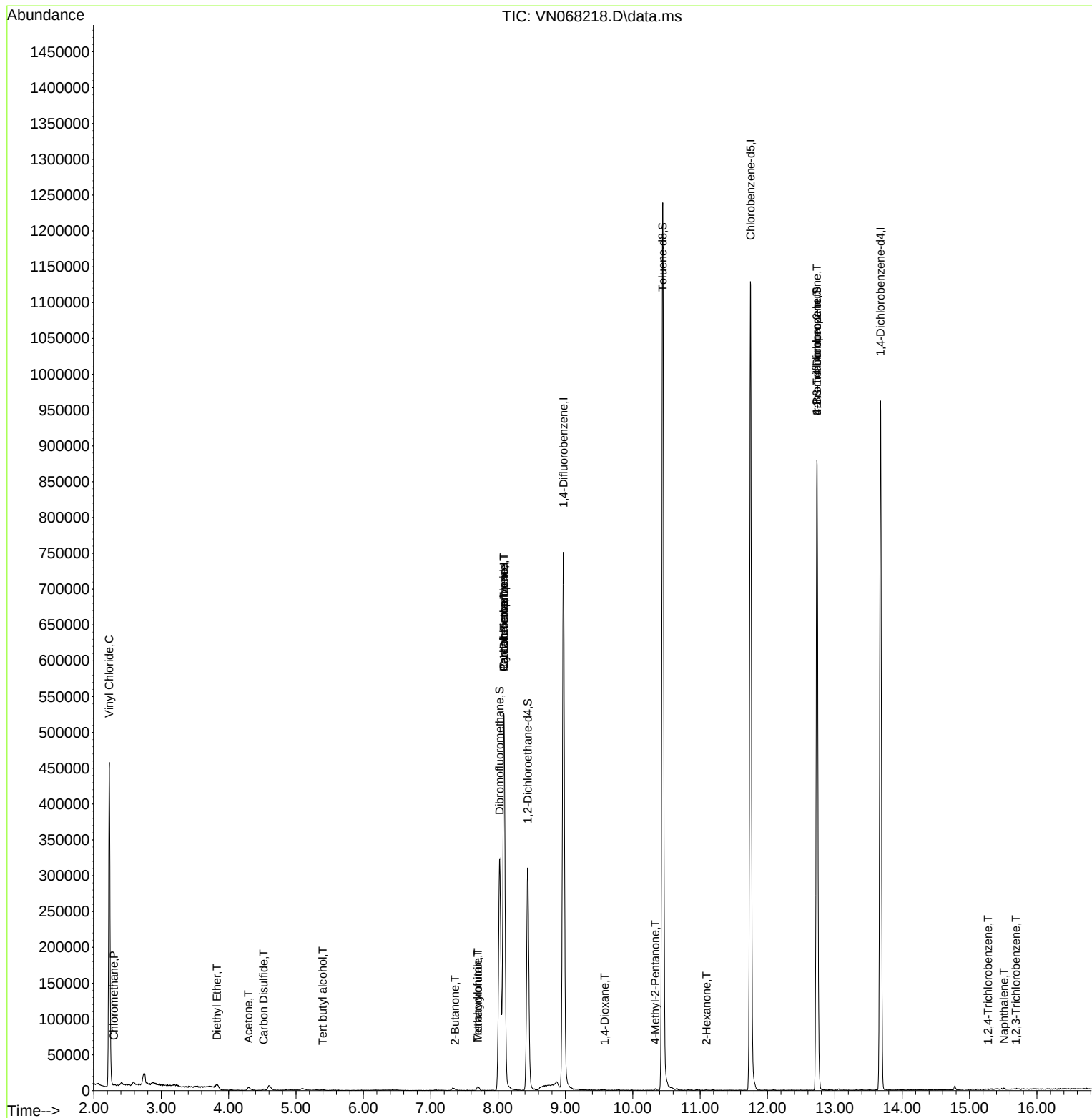
Internal Standards						
1) Pentafluorobenzene	8.088	168	434391	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	731856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	741116	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	286392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	263547	56.822	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 113.640%		
35) Dibromofluoromethane	8.024	113	239239	52.067	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 104.140%		
50) Toluene-d8	10.443	98	929852	53.111	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 106.220%		
62) 4-Bromofluorobenzene	12.733	95	305314	52.385	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 104.780%		
Target Compounds						
						Qvalue
3) Chloromethane	2.298	50	1185	0.305	ug/l	97
4) Vinyl Chloride	2.228	62	5848	0.960	ug/l	# 72
5) Bromomethane	2.861	94	649	Below Cal		98
6) Chloroethane	2.933	64	88	Below Cal	#	44
8) Diethyl Ether	3.827	74	1831	0.659	ug/l	72
11) Tert butyl alcohol	5.395	59	798	1.380	ug/l	# 71
13) Acrolein	4.033	56	54	Below Cal	#	1
16) Acetone	4.293	43	7961	5.879	ug/l	94
17) Carbon Disulfide	4.521	76	3232	0.355	ug/l	# 90
18) Methyl Acetate	4.862	43	904	Below Cal	#	60
20) Methylene Chloride	5.100	84	1076	Below Cal	#	69
25) 2-Butanone	7.361	43	1004	0.476	ug/l	# 51
29) Tetrahydrofuran	7.697	42	3559	2.637	ug/l	# 81
31) Cyclohexane	8.085	56	7913	1.295	ug/l	# 6
36) 1,1-Dichloropropene	8.085	75	30482	5.095	ug/l	# 48
38) Carbon Tetrachloride	8.088	117	41909	6.074	ug/l	# 18
41) Methacrylonitrile	7.699	41	1363	0.586	ug/l	# 37
49) 1,4-Dioxane	9.585	88	160	1.946	ug/l	# 62
51) 4-Methyl-2-Pentanone	10.336	43	1873	0.373	ug/l	# 63
59) 2-Hexanone	11.095	43	915	0.263	ug/l	# 47
76) 1,2,3-Trichloropropane	12.733	75	155369	32.640	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	155369	106.933	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.273	180	132	2.711	ug/l	# 1
95) Naphthalene	15.509	128	1792	3.493	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.689	180	25	2.837	ug/l	# 1

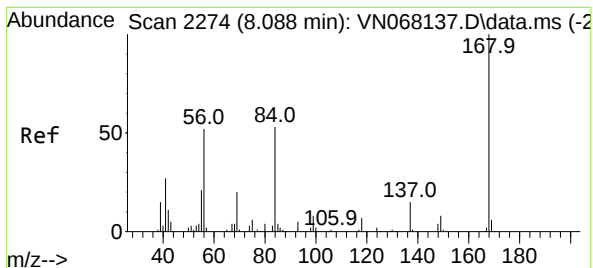
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068218.D

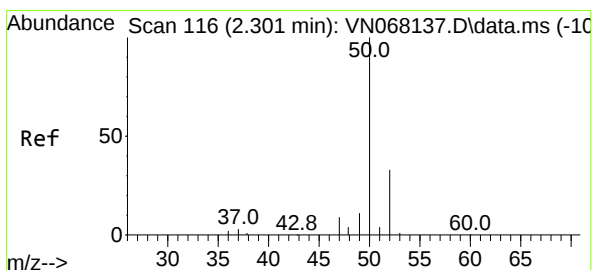
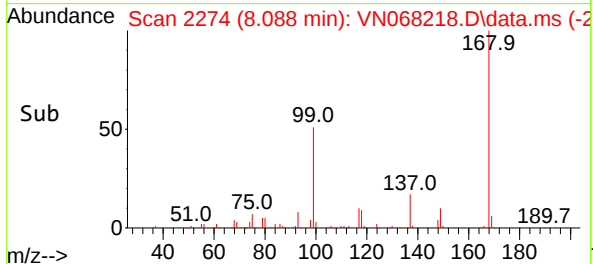
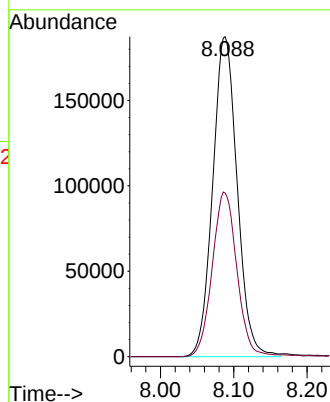
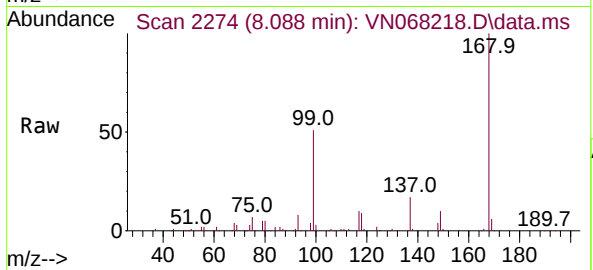
Acq: 19 Aug 2021 15:49

Tgt Ion:168 Resp: 434391

Ion Ratio Lower Upper

168 100

99 51.2 62.9 94.3#



#3

Chloromethane

Concen: 0.305 ug/l

RT: 2.298 min Scan# 115

Delta R.T. -0.003 min

Lab File: VN068218.D

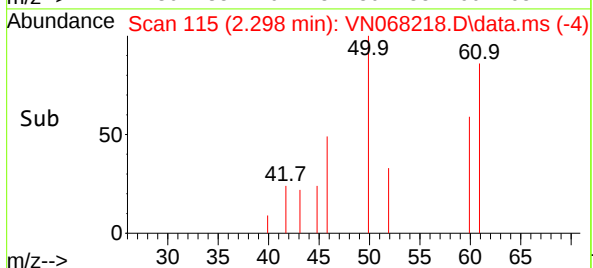
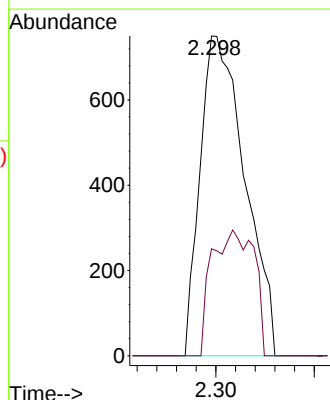
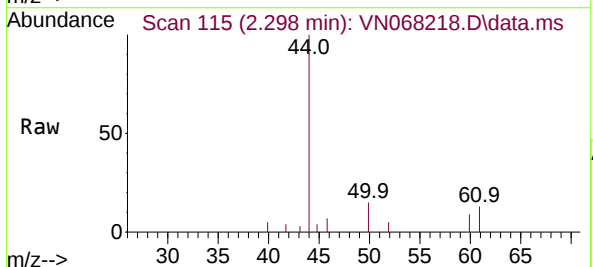
Acq: 19 Aug 2021 15:49

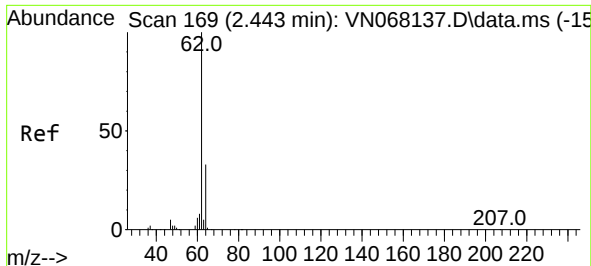
Tgt Ion: 50 Resp: 1185

Ion Ratio Lower Upper

50 100

52 33.5 25.6 38.4

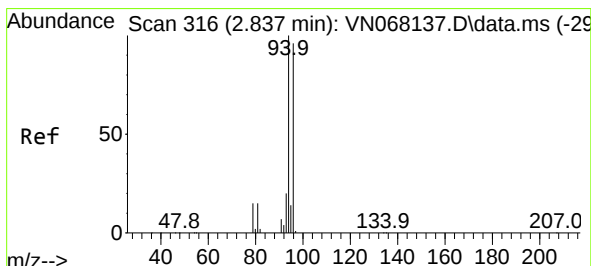
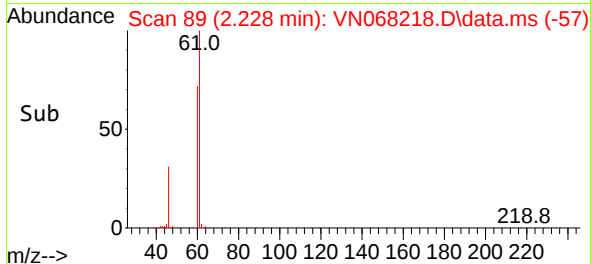
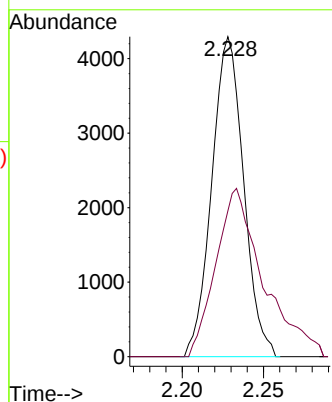
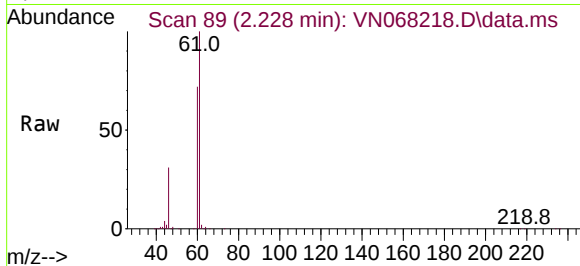




#4
 Vinyl Chloride
 Concen: 0.960 ug/l
 RT: 2.228 min Scan# 89
 Delta R.T. -0.215 min
 Lab File: VN068218.D
 Acq: 19 Aug 2021 15:49

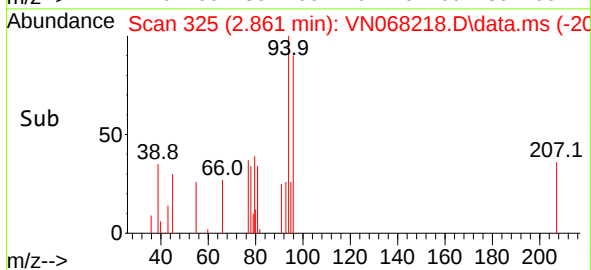
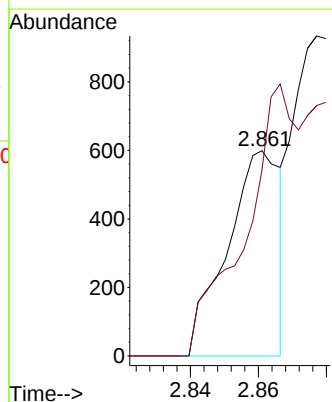
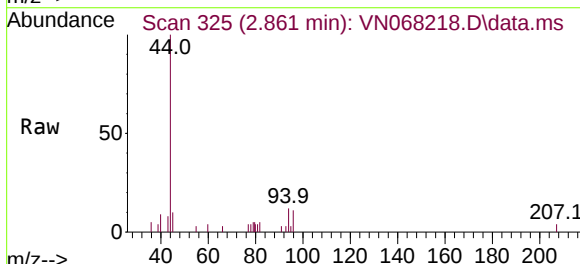
Instrument :
 MSVOA_N
 ClientSampled :

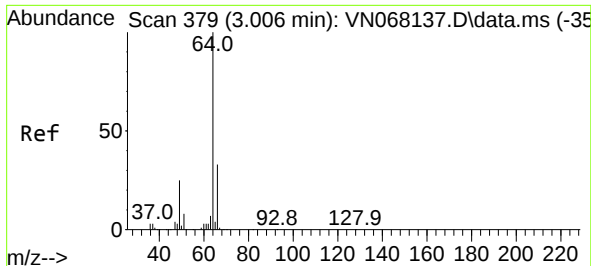
Tgt Ion: 62 Resp: 5848
 Ion Ratio Lower Upper
 62 100
 64 45.6 24.4 36.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.861 min Scan# 325
 Delta R.T. 0.024 min
 Lab File: VN068218.D
 Acq: 19 Aug 2021 15:49

Tgt Ion: 94 Resp: 649
 Ion Ratio Lower Upper
 94 100
 96 90.5 73.7 110.5

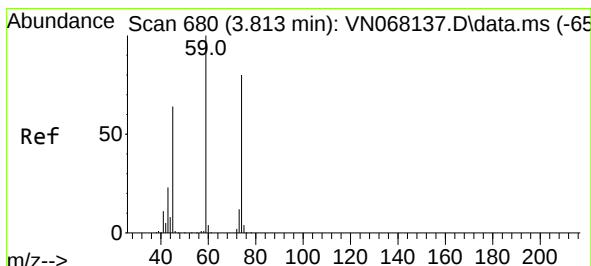
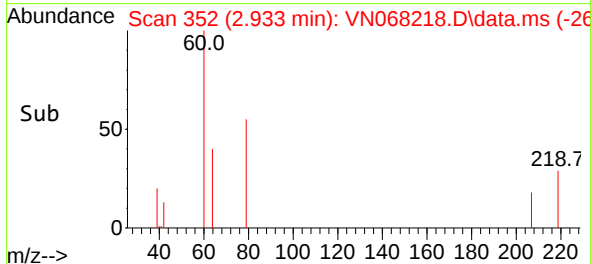
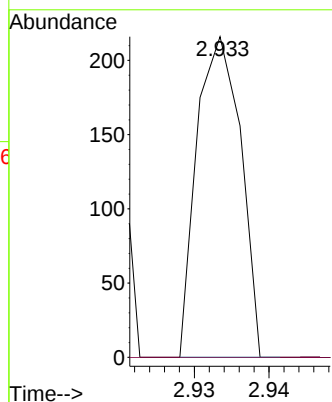
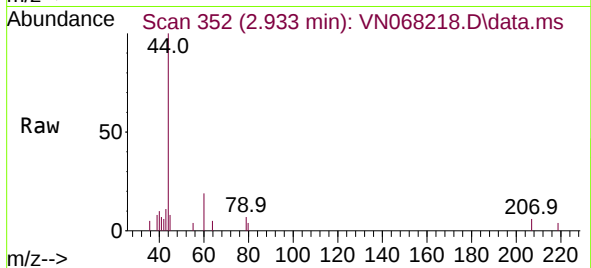




#6
Chloroethane
Concen: Below Cal
RT: 2.933 min Scan# 352
Delta R.T. -0.073 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

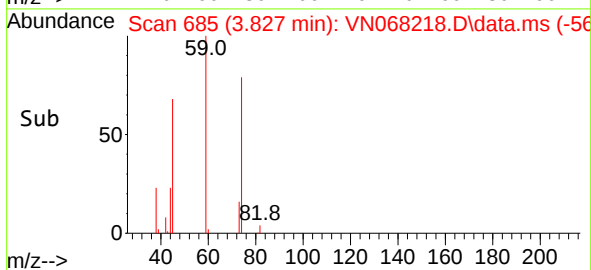
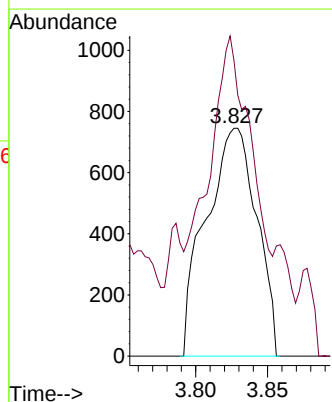
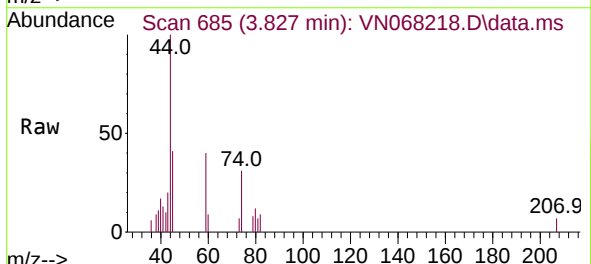
Instrument :
MSVOA_N
ClientSampleId :

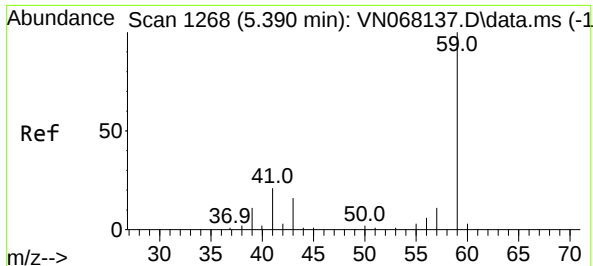
Tgt Ion: 64 Resp: 88
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#8
Diethyl Ether
Concen: 0.659 ug/l
RT: 3.827 min Scan# 685
Delta R.T. 0.014 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

Tgt Ion: 74 Resp: 1831
Ion Ratio Lower Upper
74 100
45 72.6 50.2 150.7



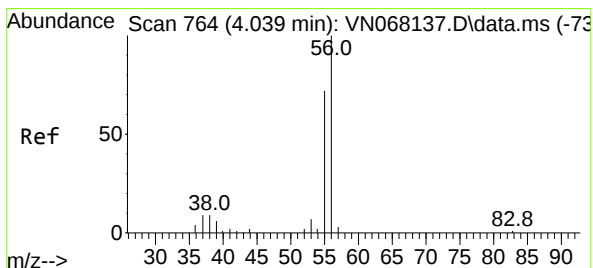
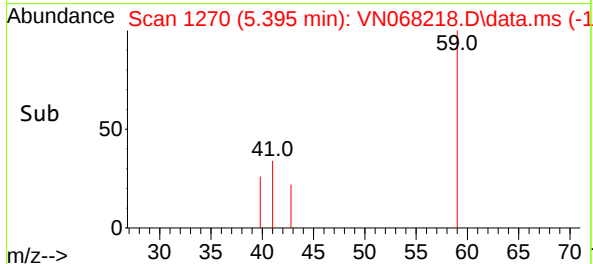
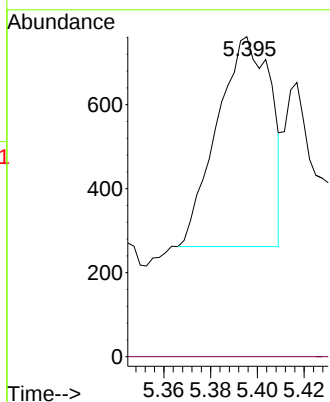
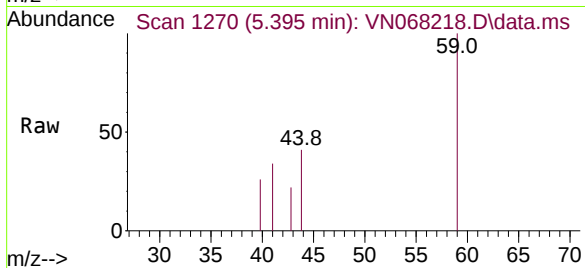


#11

Tert butyl alcohol
Concen: 1.380 ug/l
RT: 5.395 min Scan# 1270
Delta R.T. 0.005 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

Instrument :
MSVOA_N
ClientSampled :

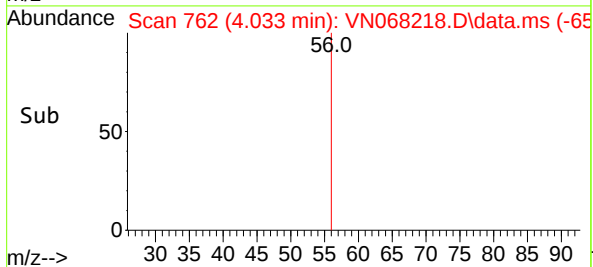
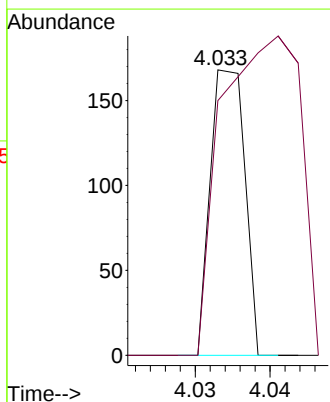
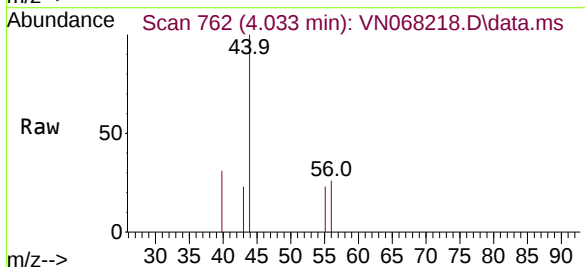
Tgt Ion: 59 Resp: 798
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

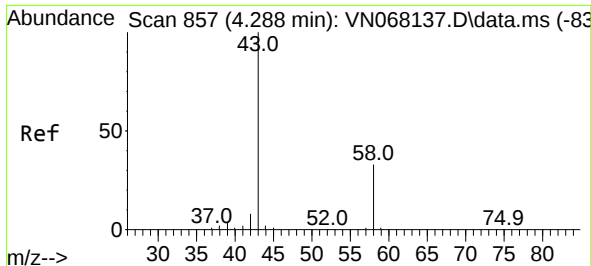


#13

Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 253.7 57.4 86.0#

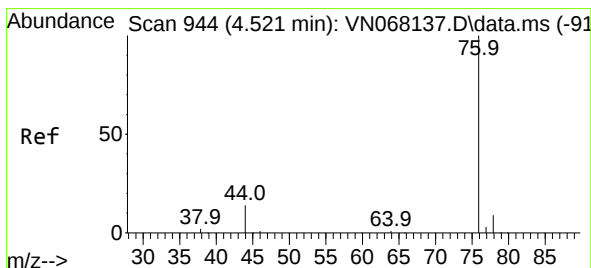
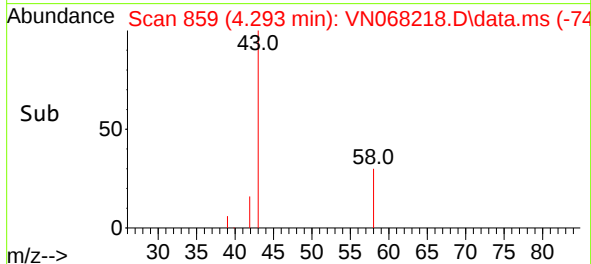
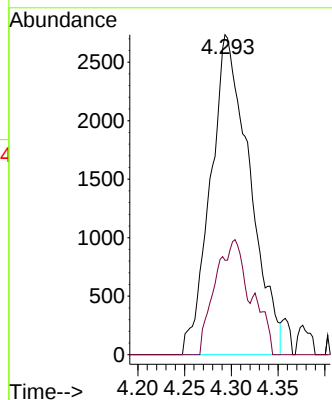
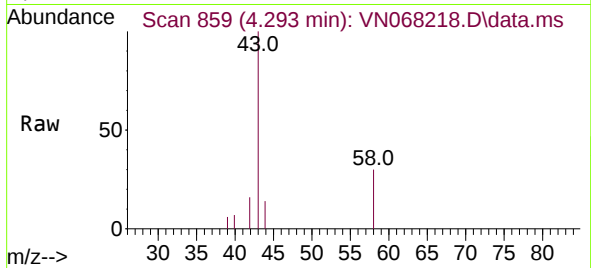




#16
Acetone
Concen: 5.879 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

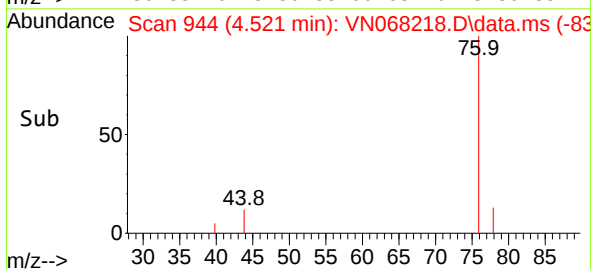
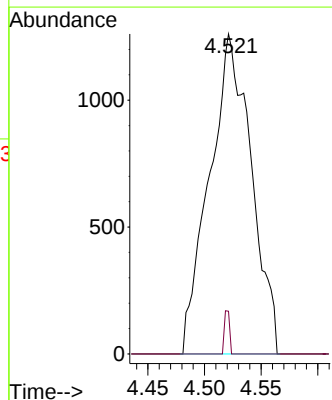
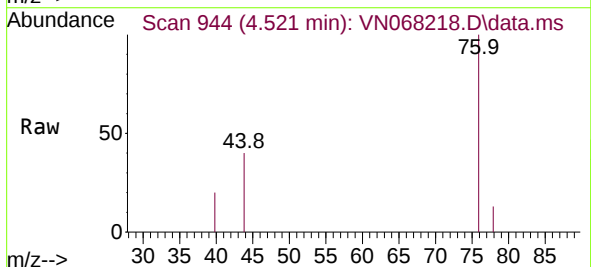
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MSVOA_N
ClientSampled :

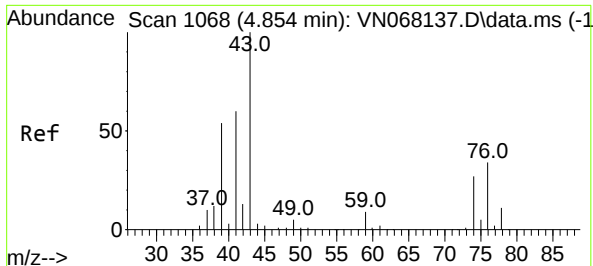
Tgt Ion: 43 Resp: 7961
Ion Ratio Lower Upper
43 100
58 29.5 21.2 31.8



#17
Carbon Disulfide
Concen: 0.355 ug/l
RT: 4.521 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

Tgt Ion: 76 Resp: 3232
Ion Ratio Lower Upper
76 100
78 13.3 7.7 11.5#

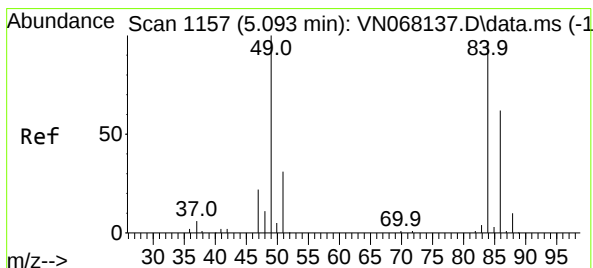
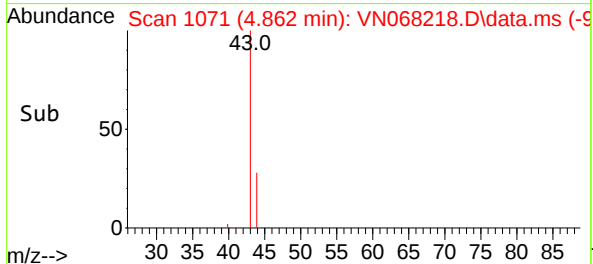
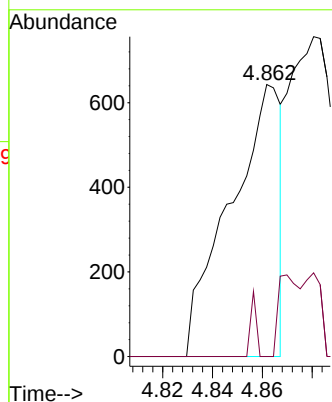
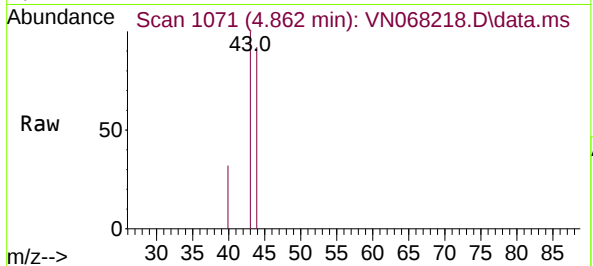




#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

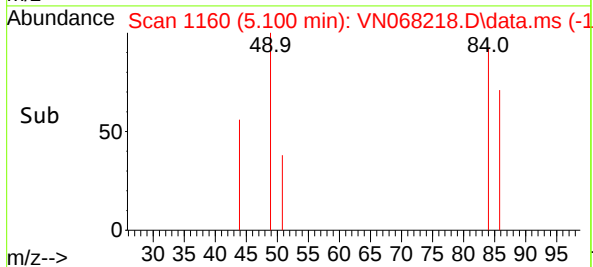
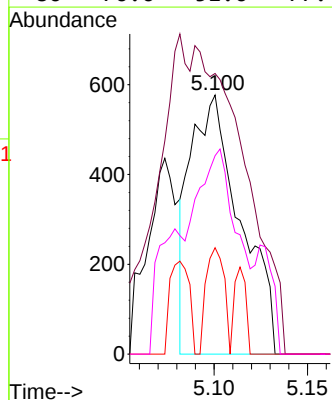
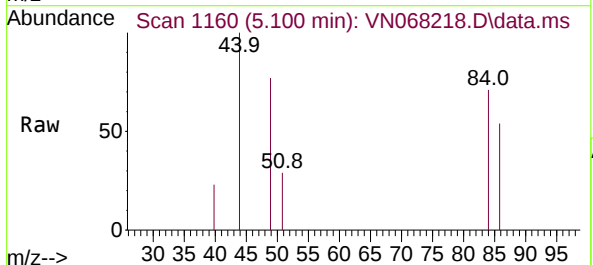
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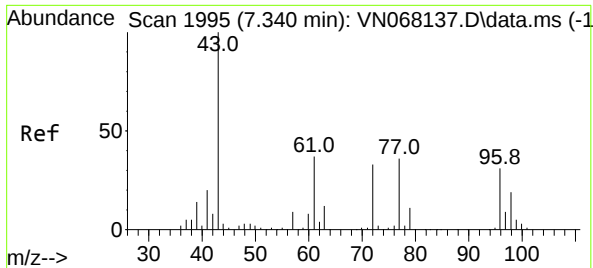
Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
74 2.8 17.4 26.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.100 min Scan# 1160
Delta R.T. 0.007 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

Tgt Ion: 84 Resp: 1076
Ion Ratio Lower Upper
84 100
49 80.8 110.9 166.3#
51 41.1 32.6 49.0
86 76.6 51.6 77.4

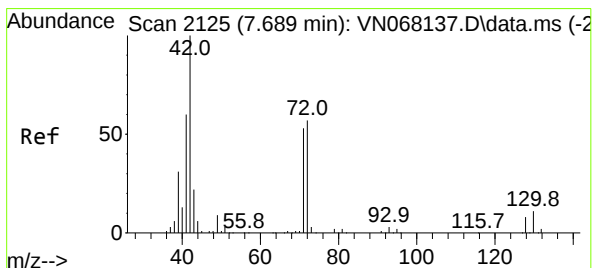
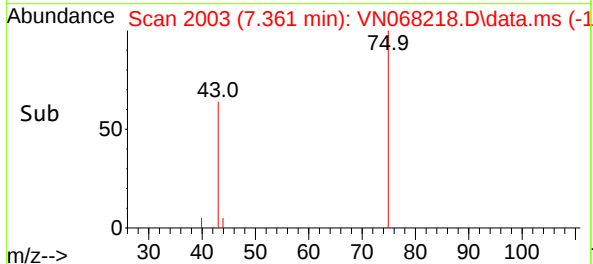
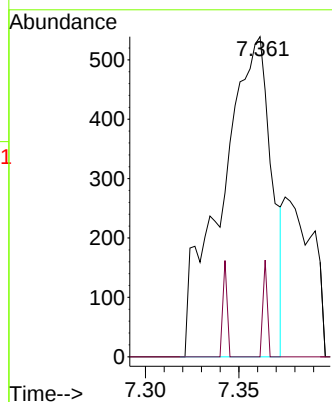
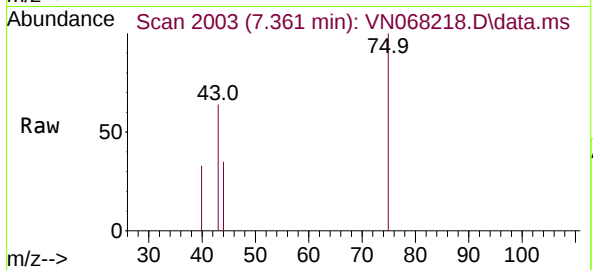




#25
2-Butanone
Concen: 0.476 ug/l
RT: 7.361 min Scan# 2003
Delta R.T. 0.021 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

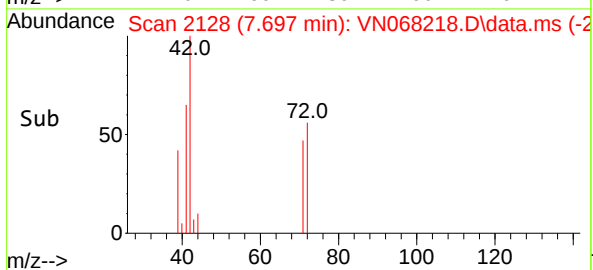
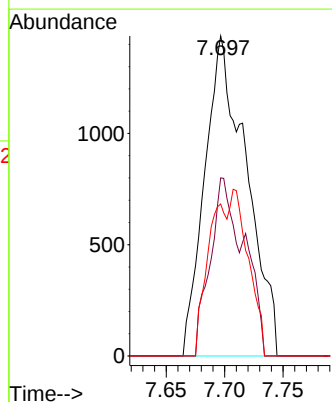
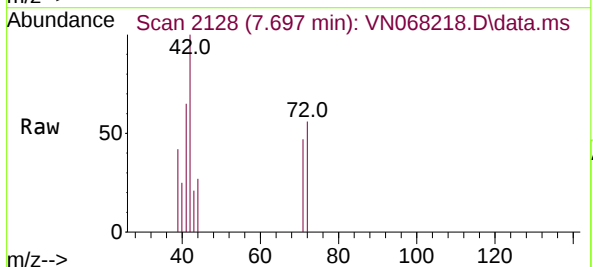
Instrument :
MSVOA_N
ClientSampled :

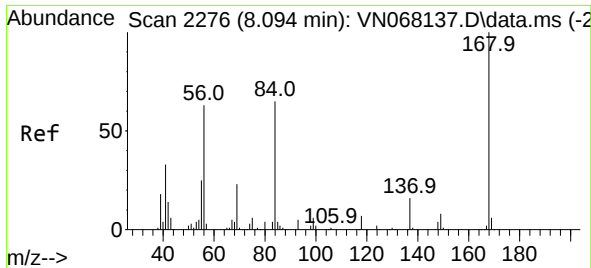
Tgt Ion: 43 Resp: 1004
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



#29
Tetrahydrofuran
Concen: 2.637 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.008 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

Tgt Ion: 42 Resp: 3559
Ion Ratio Lower Upper
42 100
72 33.1 32.8 49.2
71 23.2 31.2 46.8#

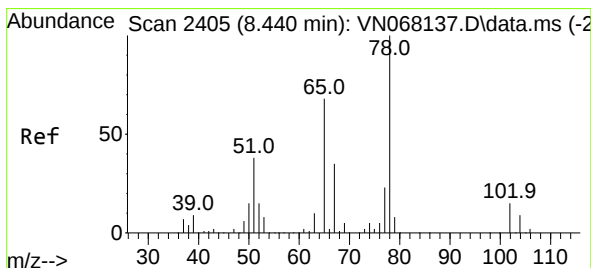
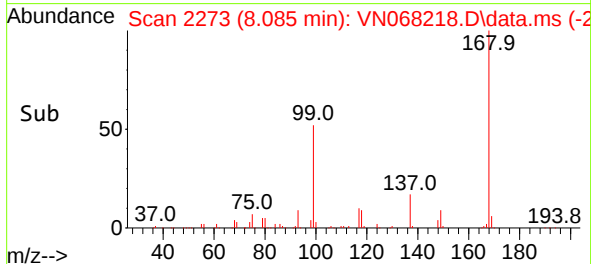
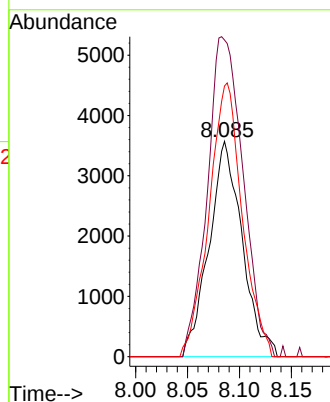
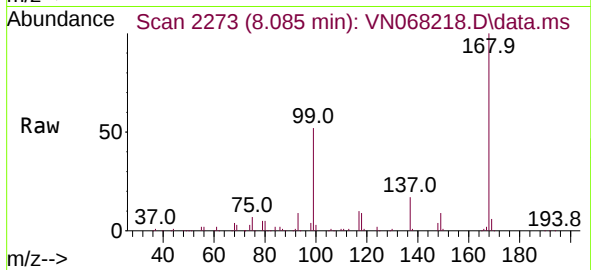




#31
Cyclohexane
Concen: 1.295 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

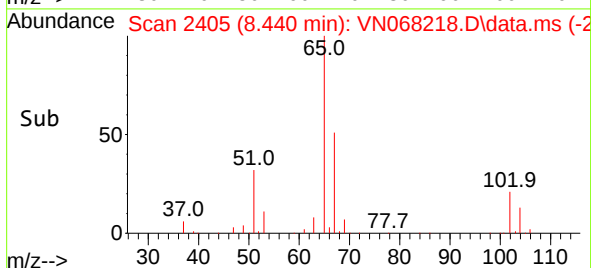
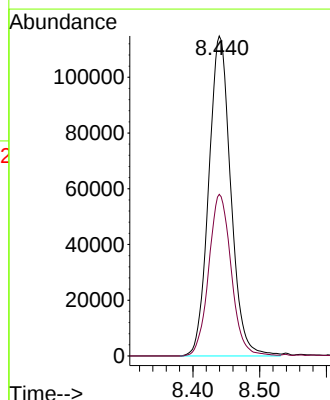
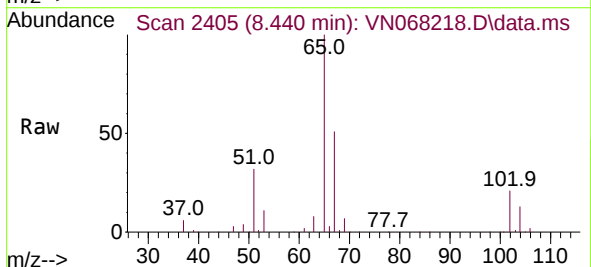
Instrument :
MSVOA_N
ClientSampled :

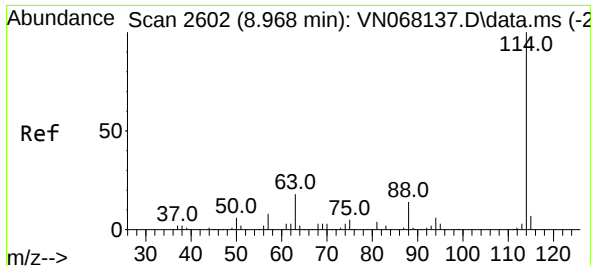
Tgt Ion: 56 Resp: 7913
Ion Ratio Lower Upper
56 100
69 147.1 27.3 40.9#
84 125.8 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 56.822 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

Tgt Ion: 65 Resp: 263547
Ion Ratio Lower Upper
65 100
67 51.5 0.0 98.6

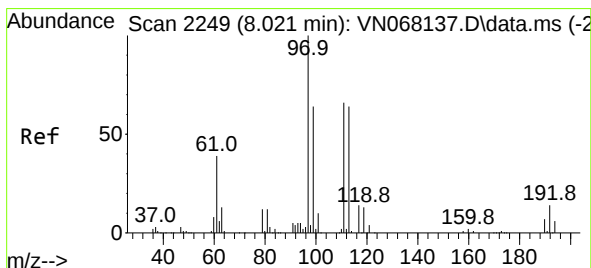
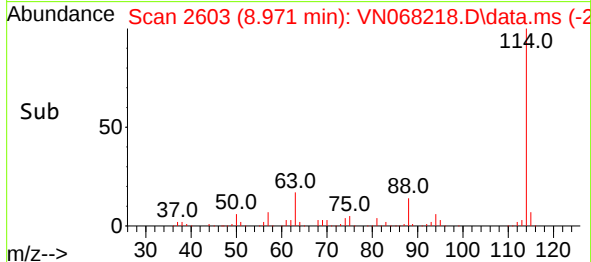
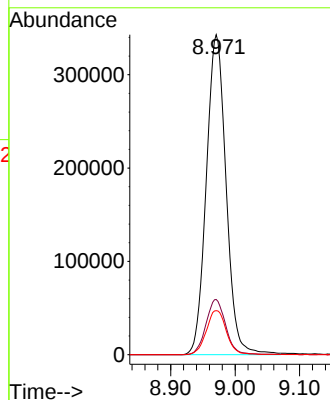
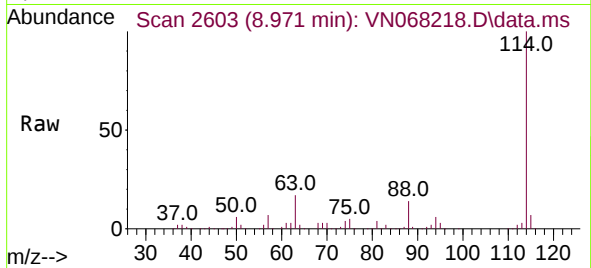




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

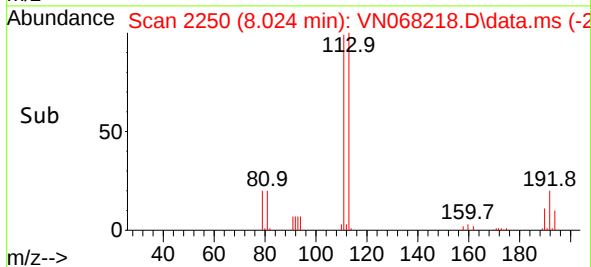
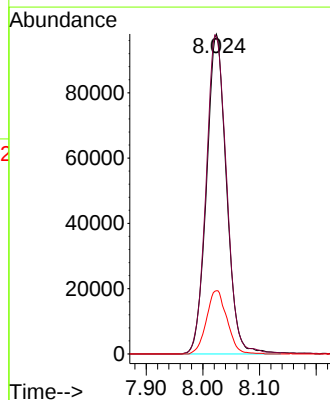
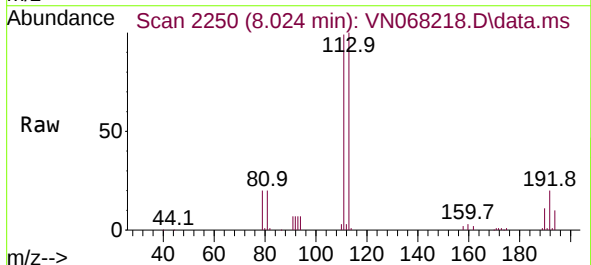
Instrument :
MSVOA_N
ClientSampled :

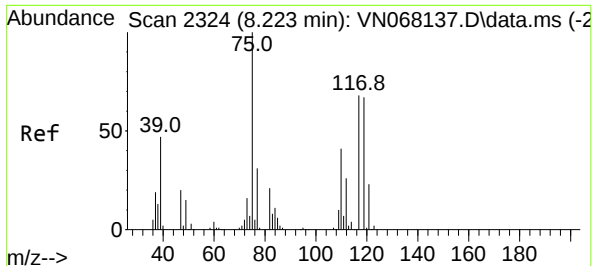
Tgt Ion:114 Resp: 731856
Ion Ratio Lower Upper
114 100
63 17.3 0.0 49.0
88 13.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.067 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

Tgt Ion:113 Resp: 239239
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.8
192 20.4 13.4 20.0#

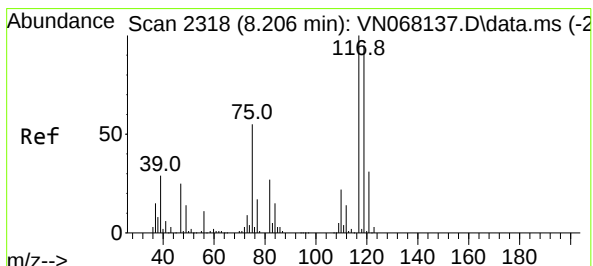
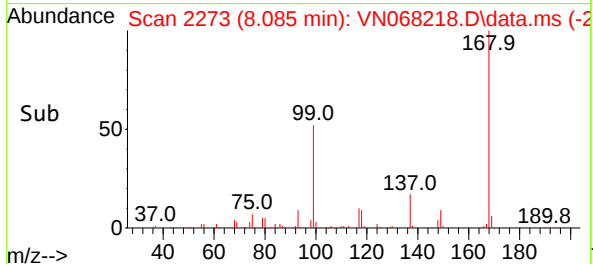
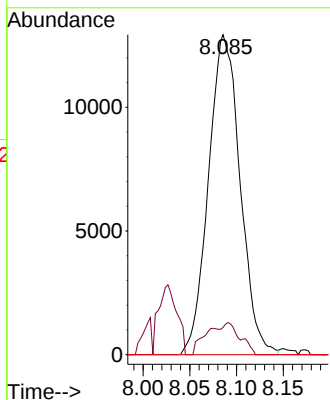
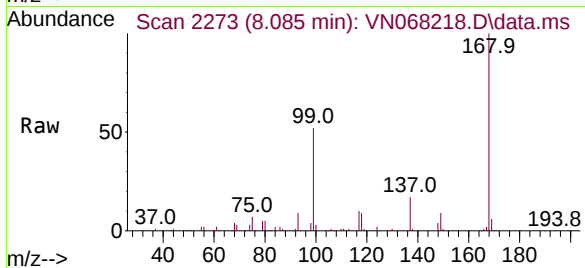




#36
1,1-Dichloropropene
Concen: 5.095 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.138 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

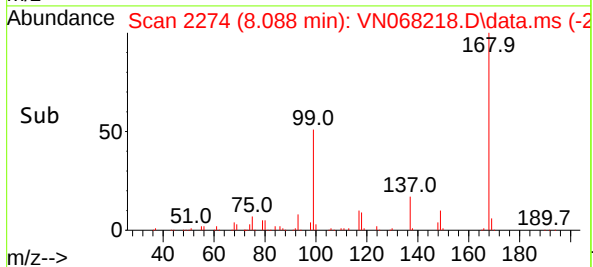
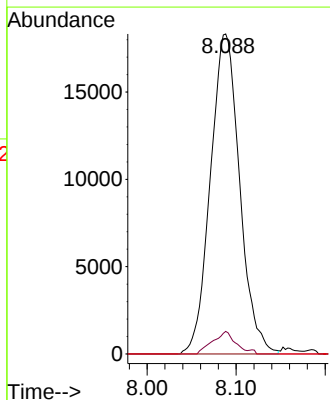
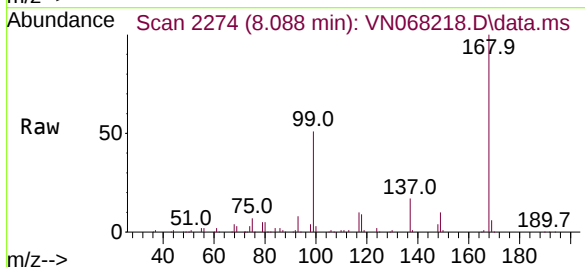
Instrument :
MSVOA_N
ClientSampled :

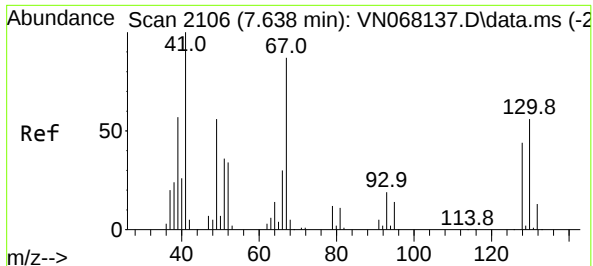
Tgt Ion: 75 Resp: 30482
Ion Ratio Lower Upper
75 100
110 5.0 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.074 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

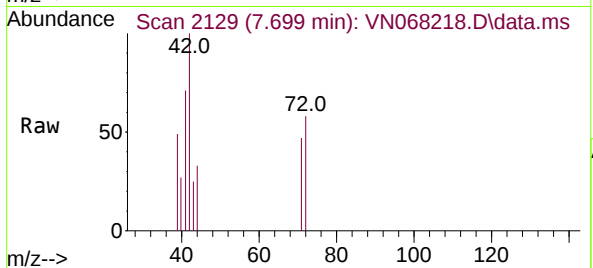
Tgt Ion: 117 Resp: 41909
Ion Ratio Lower Upper
117 100
119 7.0 75.4 113.2#
121 0.0 23.5 35.3#



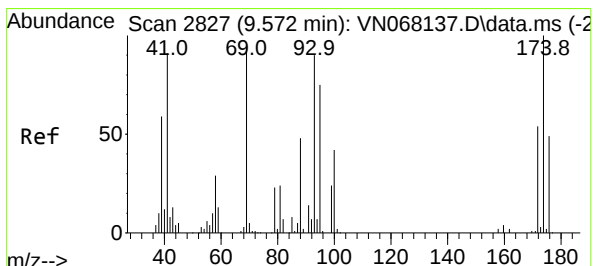
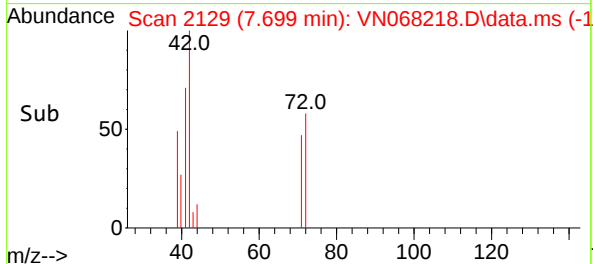
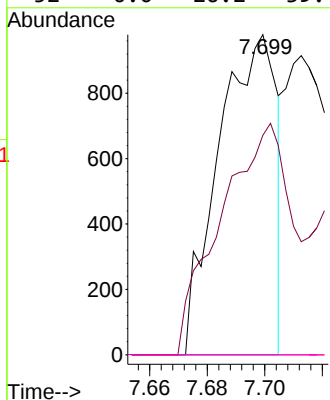


#41
Methacrylonitrile
Concen: 0.586 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.061 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

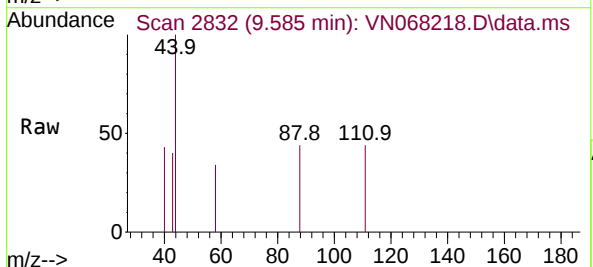
Instrument :
MSVOA_N
ClientSampled :



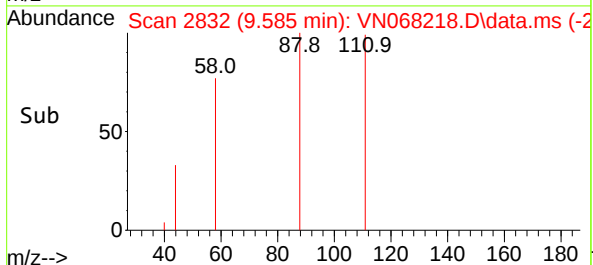
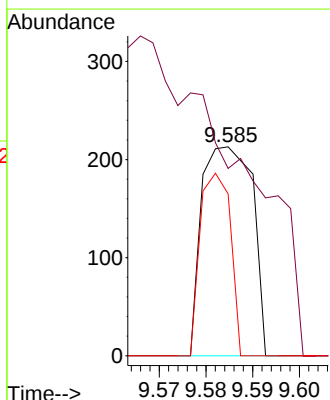
Tgt Ion:	41	Resp:	1363
Ion	Ratio	Lower	Upper
41	100		
39	87.1	47.6	71.4#
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#

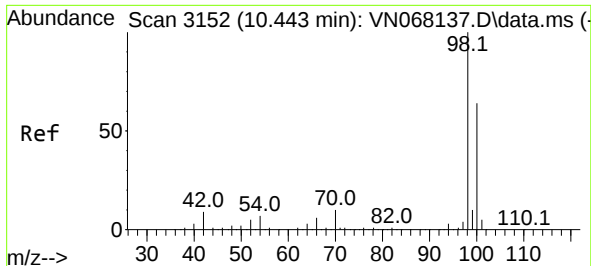


#49
1,4-Dioxane
Concen: 1.946 ug/l
RT: 9.585 min Scan# 2832
Delta R.T. 0.013 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49



Tgt Ion:	88	Resp:	160
Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.8	43.2#
58	52.5	60.4	90.6#

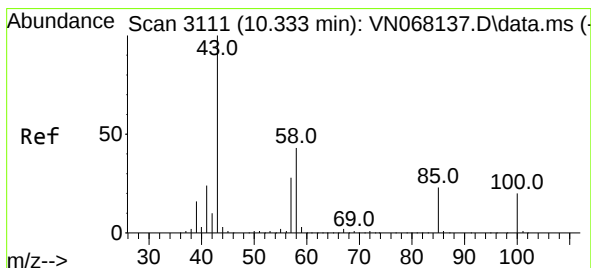
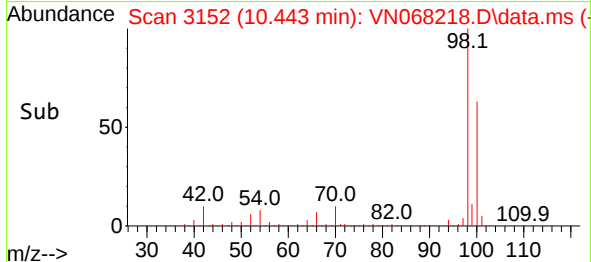
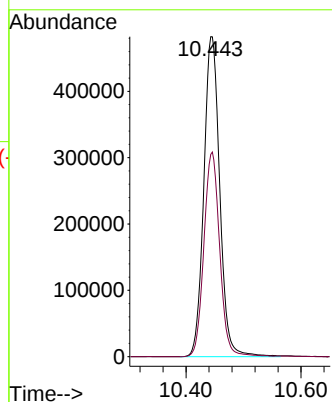
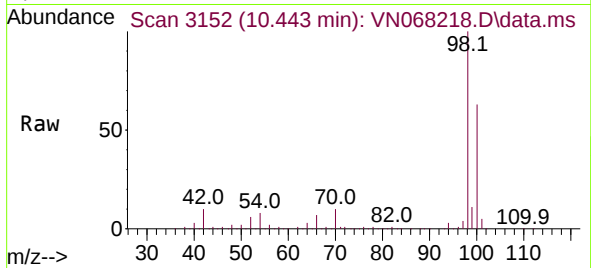




#50
Toluene-d8
Concen: 53.111 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

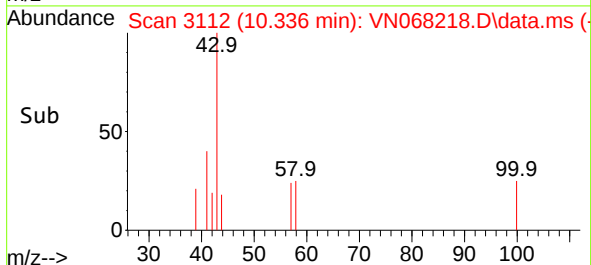
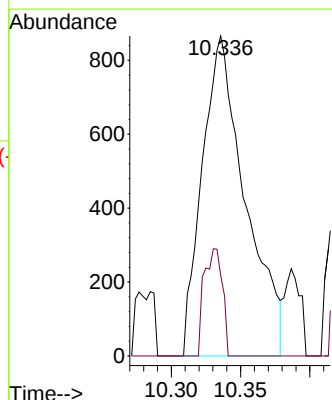
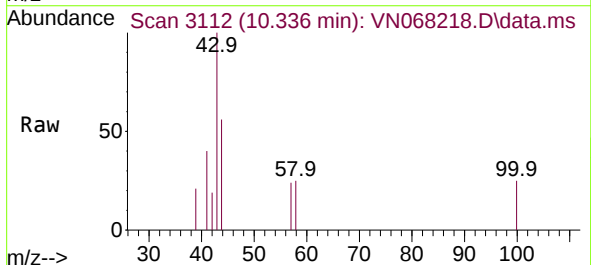
Instrument :
MSVOA_N
ClientSampled :

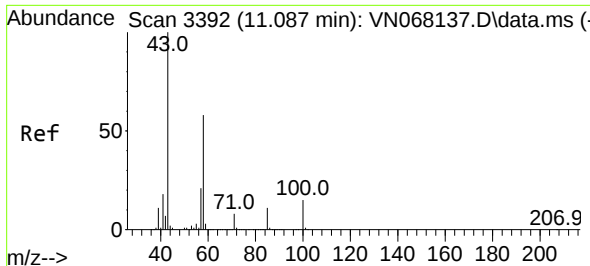
Tgt Ion: 98 Resp: 929852
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.373 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

Tgt Ion: 43 Resp: 1873
Ion Ratio Lower Upper
43 100
58 14.1 28.6 43.0#

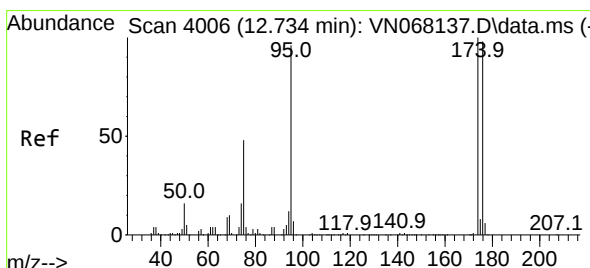
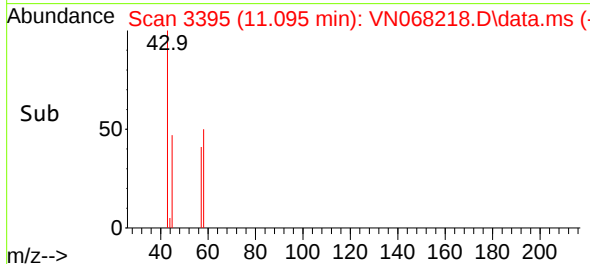
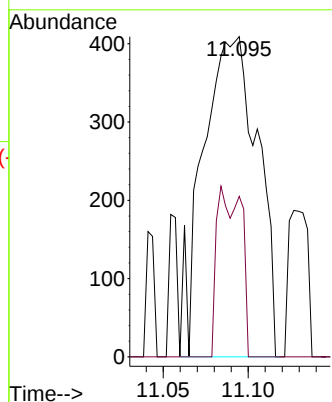
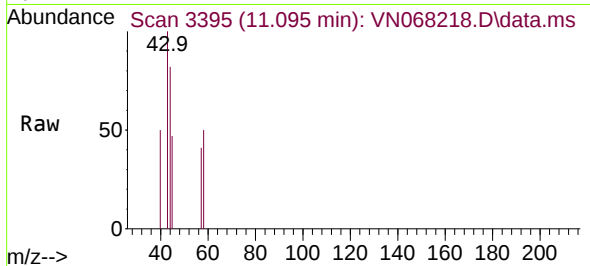




#59
2-Hexanone
Concen: 0.263 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

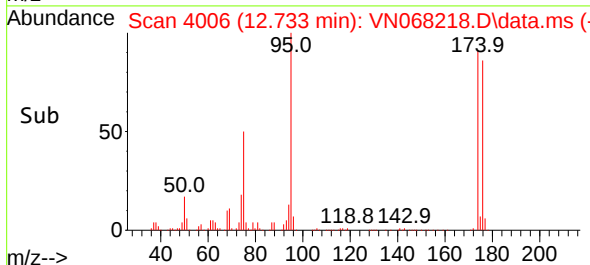
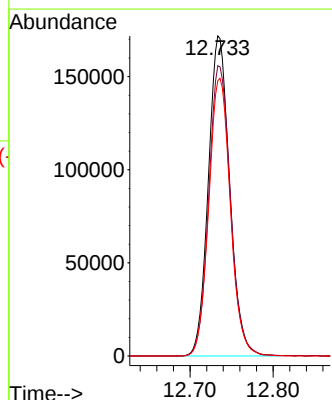
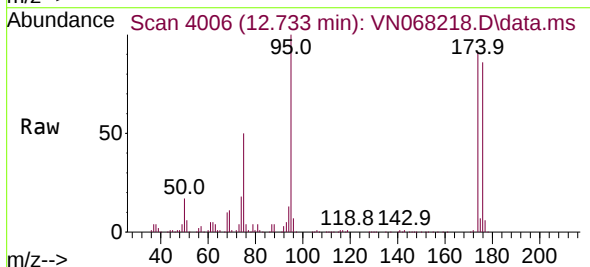
Instrument :
MSVOA_N
ClientSampled :

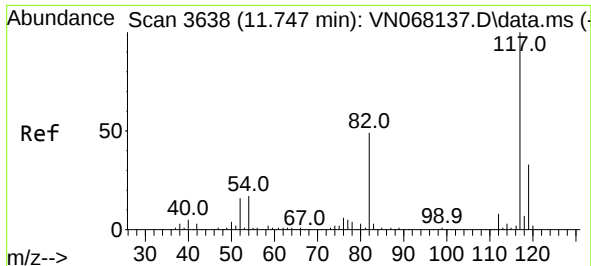
Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
58 13.4 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 52.385 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

Tgt Ion: 95 Resp: 305314
Ion Ratio Lower Upper
95 100
174 92.8 0.0 122.0
176 88.2 0.0 117.6

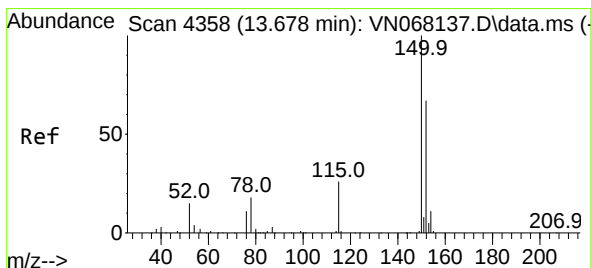
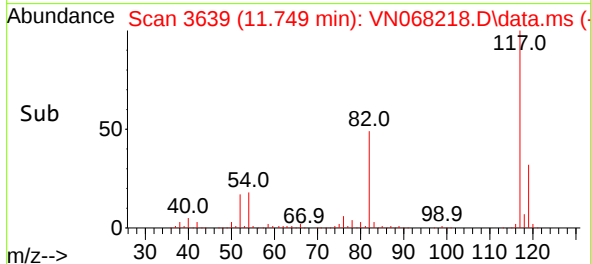
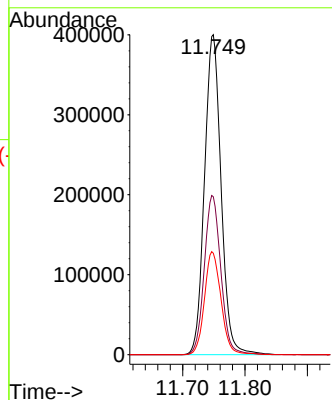
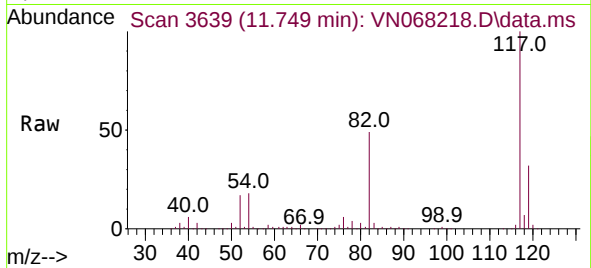




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

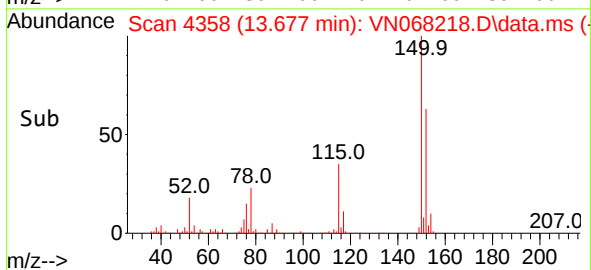
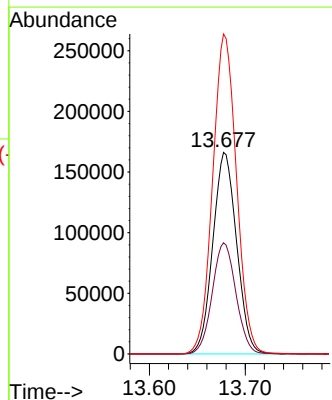
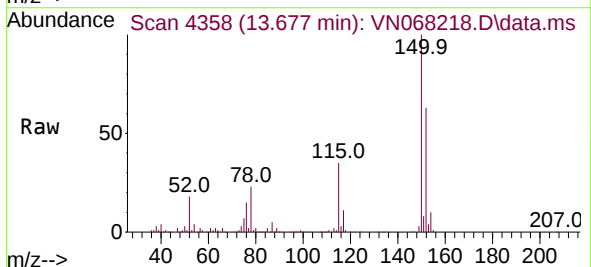
Instrument :
MSVOA_N
ClientSampled :

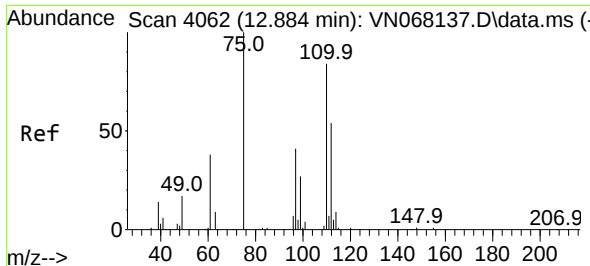
Tgt Ion:117 Resp: 741116
Ion Ratio Lower Upper
117 100
82 49.4 53.1 79.7#
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

Tgt Ion:152 Resp: 286392
Ion Ratio Lower Upper
152 100
115 55.0 36.1 108.5
150 158.9 0.0 351.8

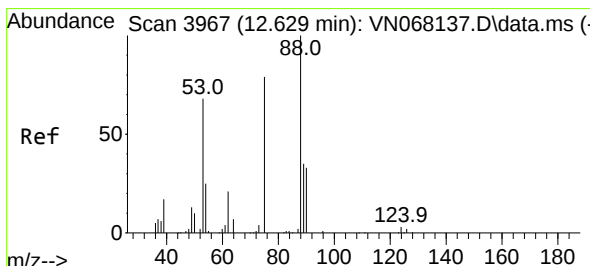
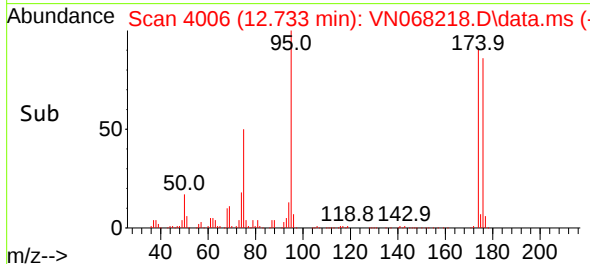
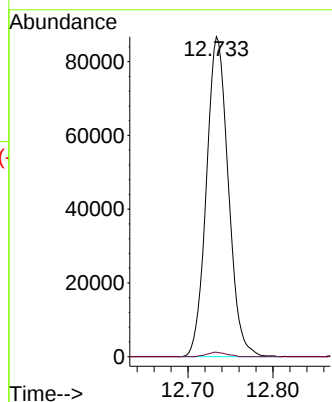
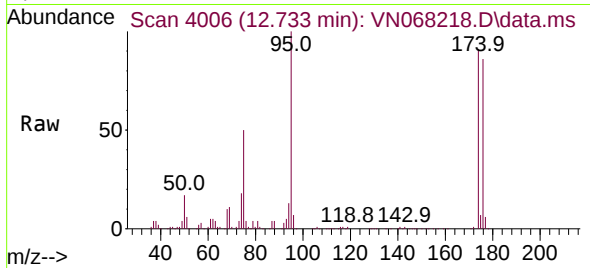




#76
1,2,3-Trichloropropane
Concen: 32.640 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

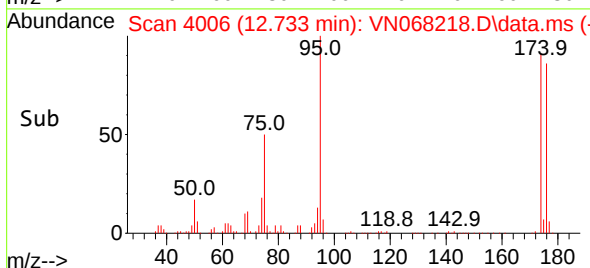
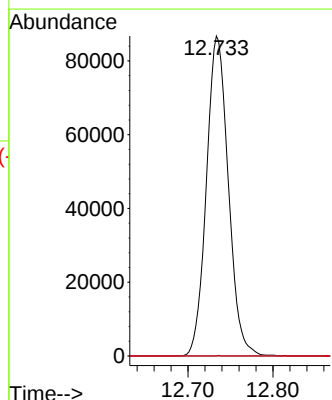
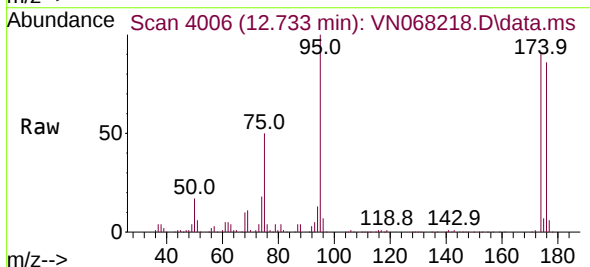
Instrument :
MSVOA_N
ClientSampled :

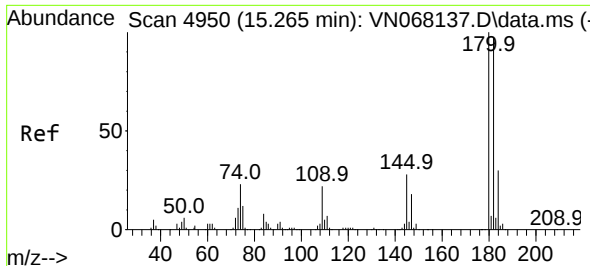
Tgt Ion: 75 Resp: 155369
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.933 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

Tgt Ion: 75 Resp: 155369
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

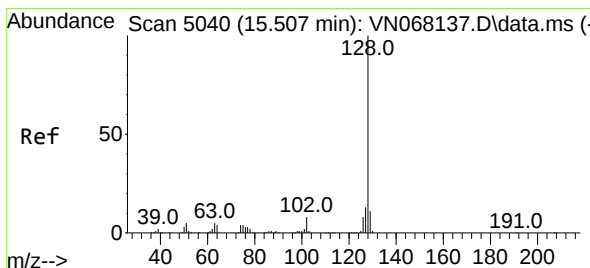
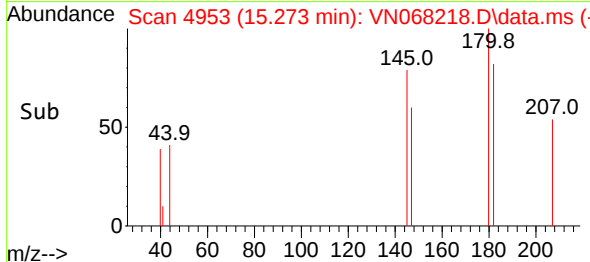
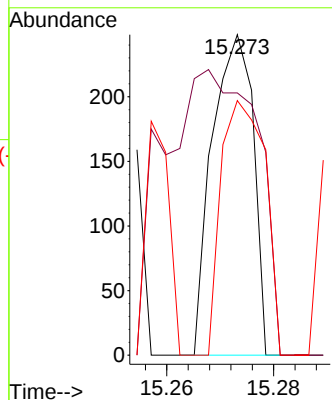
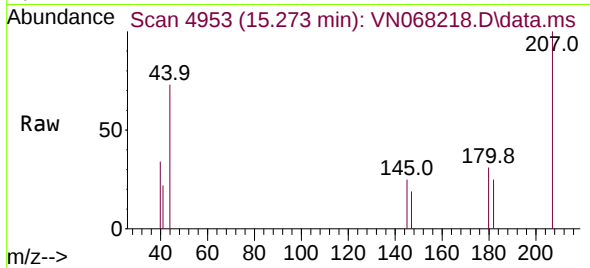




#93
1,2,4-Trichlorobenzene
Concen: 2.711 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

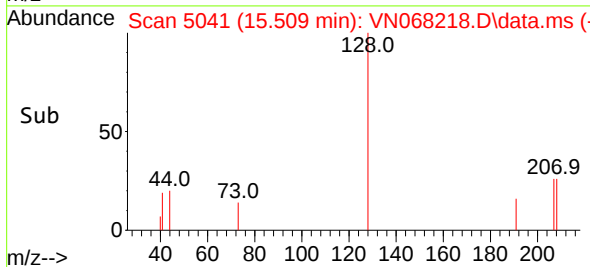
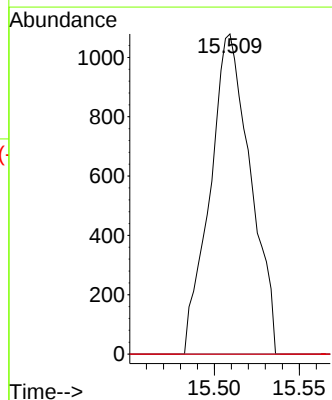
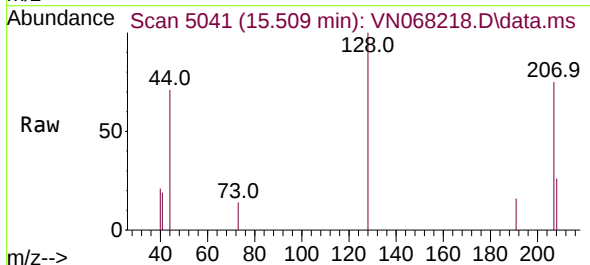
Instrument :
MSVOA_N
ClientSampled :

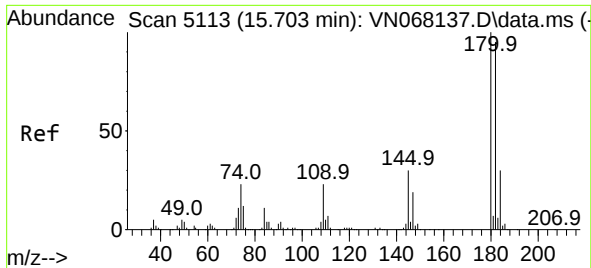
Tgt Ion:180 Resp: 132
Ion Ratio Lower Upper
180 100
182 205.3 47.5 142.5#
145 85.6 17.2 51.6#



#95
Naphthalene
Concen: 3.493 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068218.D
Acq: 19 Aug 2021 15:49

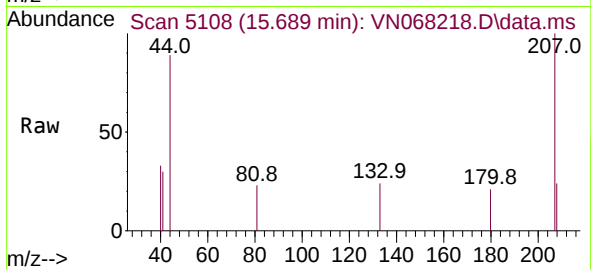
Tgt Ion:128 Resp: 1792
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.837 ug/l
 RT: 15.689 min Scan# 5108
 Delta R.T. -0.014 min
 Lab File: VN068218.D
 Acq: 19 Aug 2021 15:49

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	25
Ion	Ratio	Lower	Upper
180	100		
182	976.0	47.8	143.3#
145	0.0	18.2	54.6#

