

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068191.D
 Acq On : 18 Aug 2021 14:21
 Operator : JC/MD
 Sample : M3446-02DL 4X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 19 03:06:33 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

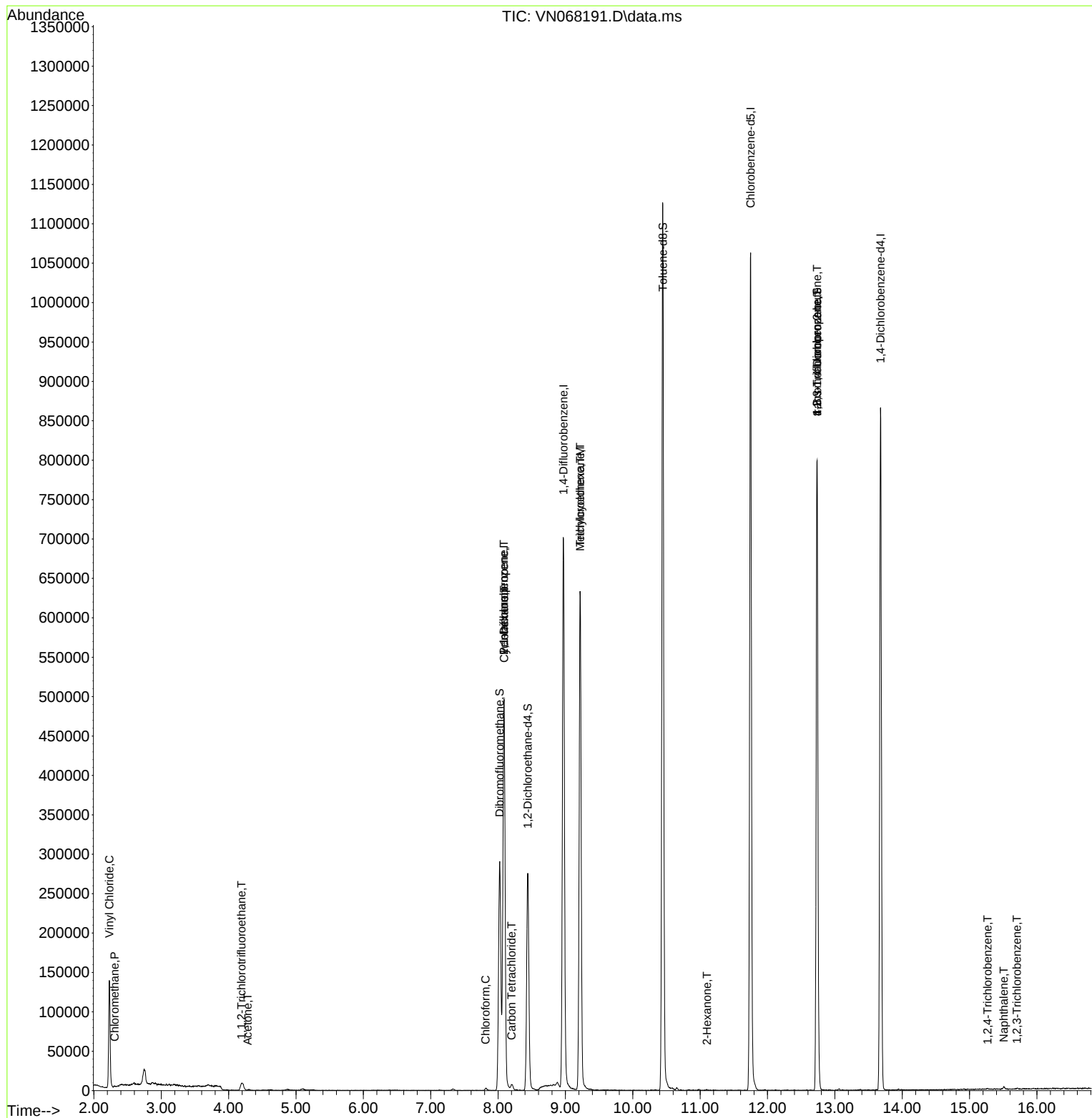
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	416421	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	679166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	693029	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	262272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	232985	52.400	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 104.800%		
35) Dibromofluoromethane	8.024	113	214540	50.314	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 100.620%		
50) Toluene-d8	10.446	98	825918	50.834	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 101.660%		
62) 4-Bromofluorobenzene	12.736	95	266963	49.359	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 98.720%		
Target Compounds						Qvalue
3) Chloromethane	2.306	50	1047	0.281	ug/l	99
4) Vinyl Chloride	2.231	62	1724	0.295	ug/l	# 1
5) Bromomethane	2.848	94	232	Below Cal	#	60
6) Chloroethane	2.963	64	26	Below Cal	#	44
9) 1,1,2-Trichlorotrifluo...	4.191	101	3049	0.868	ug/l	# 60
13) Acrolein	4.049	56	79	Below Cal		88
16) Acetone	4.282	43	492	0.379	ug/l	# 48
18) Methyl Acetate	4.862	43	1650	Below Cal	#	81
20) Methylene Chloride	5.095	84	918	Below Cal	#	63
30) Chloroform	7.815	83	2808	0.374	ug/l	100
31) Cyclohexane	8.091	56	7202	1.230	ug/l	# 23
36) 1,1-Dichloropropene	8.088	75	27422	4.939	ug/l	# 51
38) Carbon Tetrachloride	8.201	117	4912	0.767	ug/l	# 78
39) Methylcyclohexane	9.220	83	2941	0.469	ug/l	# 1
44) Trichloroethene	9.217	130	247803	48.629	ug/l	80
59) 2-Hexanone	11.100	43	947	0.293	ug/l	65
76) 1,2,3-Trichloropropane	12.736	75	137306	31.498	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	137306	103.192	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.268	180	551	2.804	ug/l	# 79
95) Naphthalene	15.507	128	3566	3.668	ug/l	# 87
96) 1,2,3-Trichlorobenzene	15.702	180	599	2.967	ug/l	# 80

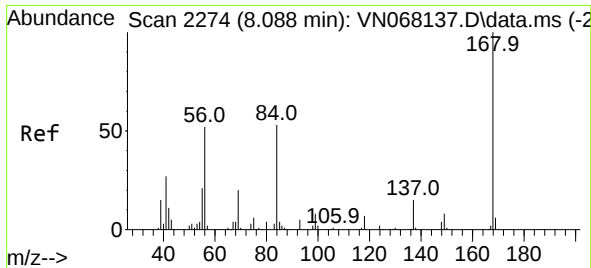
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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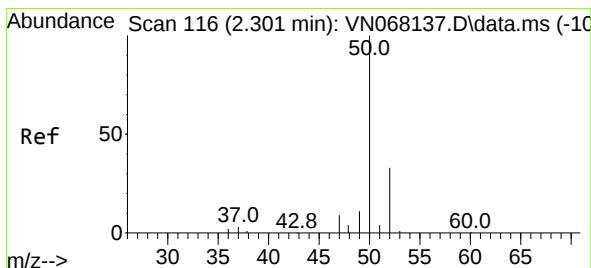
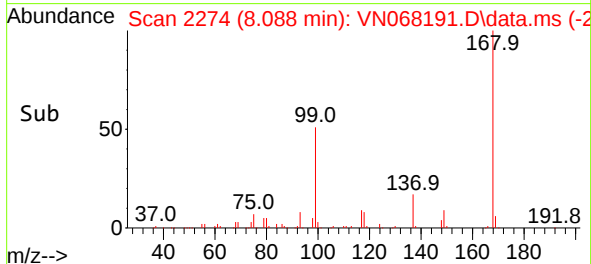
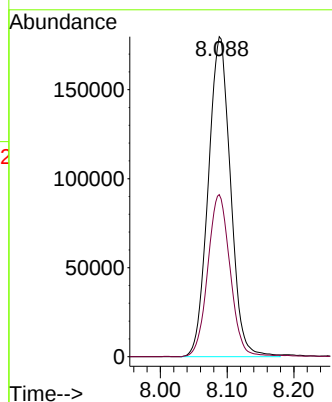
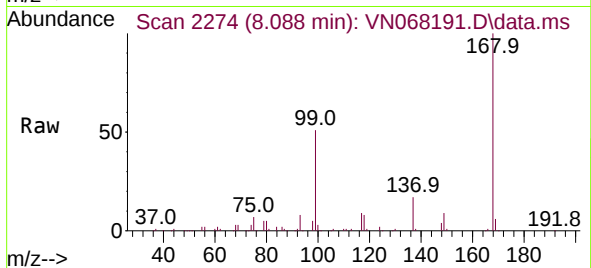




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

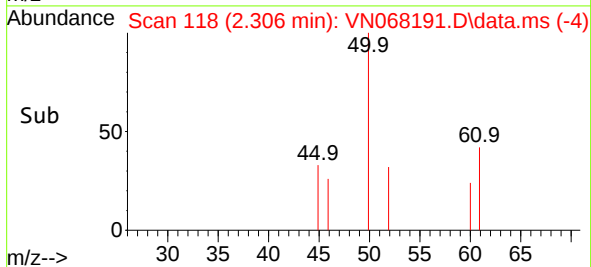
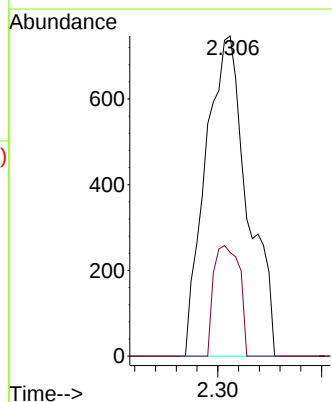
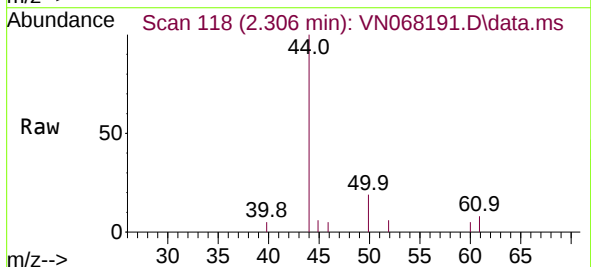
Instrument :
MSVOA_N
ClientSampled :

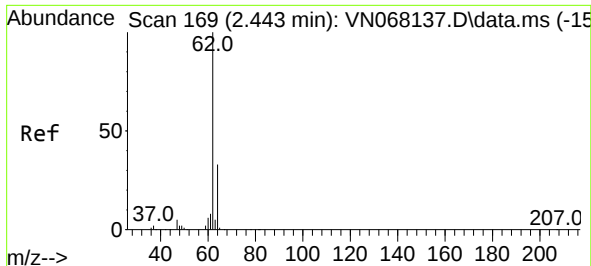
Tgt Ion:168 Resp: 416421
Ion Ratio Lower Upper
168 100
99 50.6 62.9 94.3#



#3
Chloromethane
Concen: 0.281 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

Tgt Ion: 50 Resp: 1047
Ion Ratio Lower Upper
50 100
52 32.4 25.6 38.4

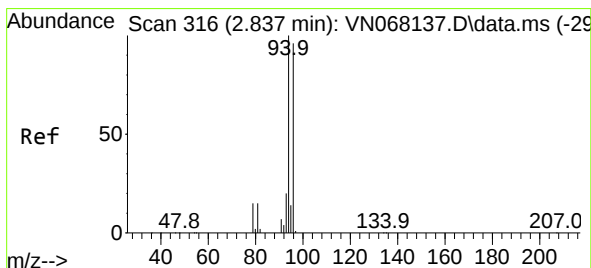
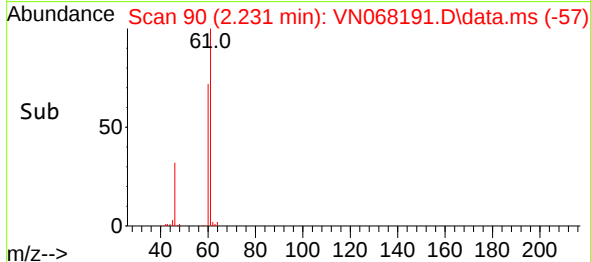
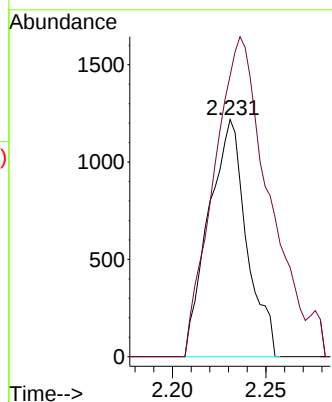
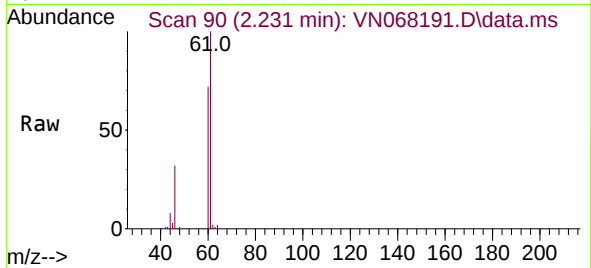




#4
 Vinyl Chloride
 Concen: 0.295 ug/l
 RT: 2.231 min Scan# 90
 Delta R.T. -0.212 min
 Lab File: VN068191.D
 Acq: 18 Aug 2021 14:21

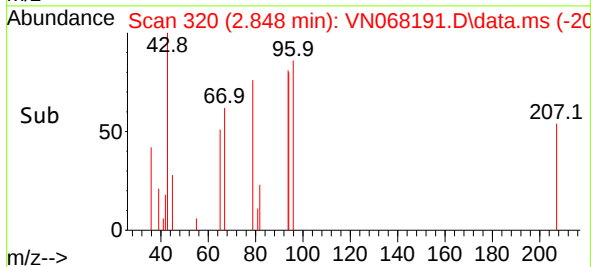
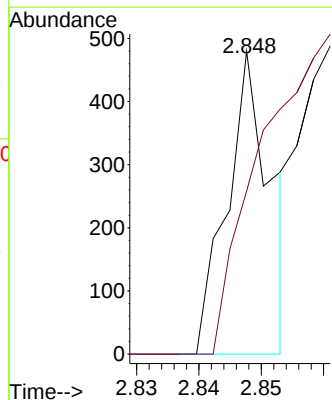
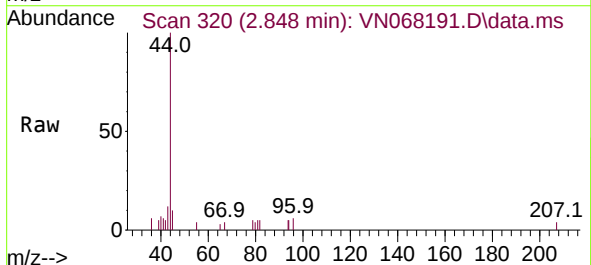
Instrument :
 MSVOA_N
 ClientSampled :

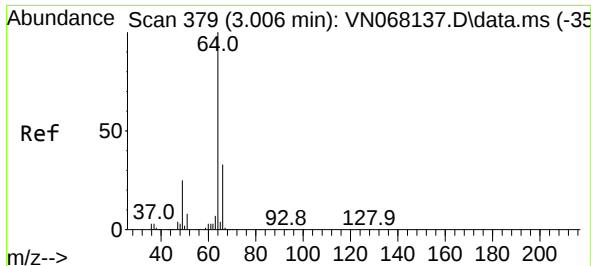
Tgt Ion: 62 Resp: 1724
 Ion Ratio Lower Upper
 62 100
 64 118.6 24.4 36.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.848 min Scan# 320
 Delta R.T. 0.011 min
 Lab File: VN068191.D
 Acq: 18 Aug 2021 14:21

Tgt Ion: 94 Resp: 232
 Ion Ratio Lower Upper
 94 100
 96 53.8 73.7 110.5#

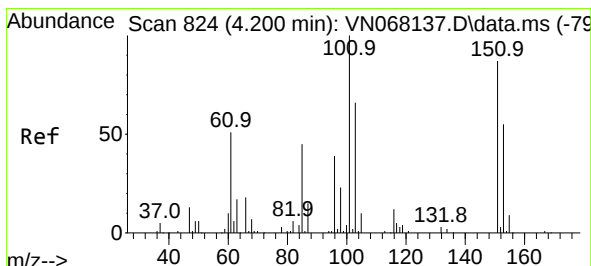
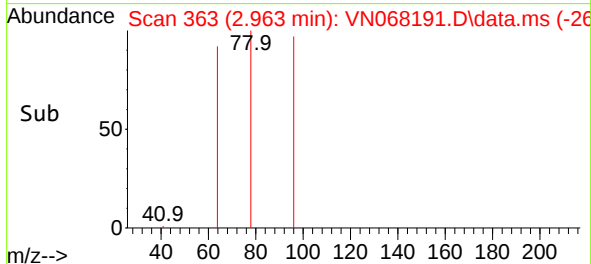
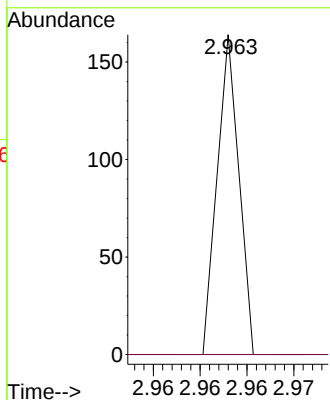
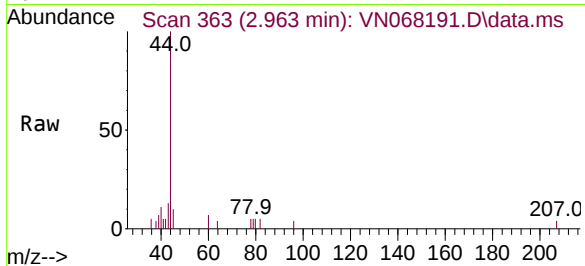




#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 363
Delta R.T. -0.043 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

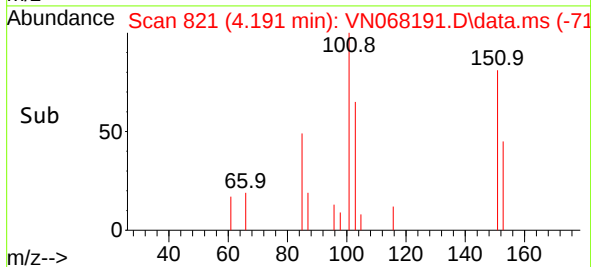
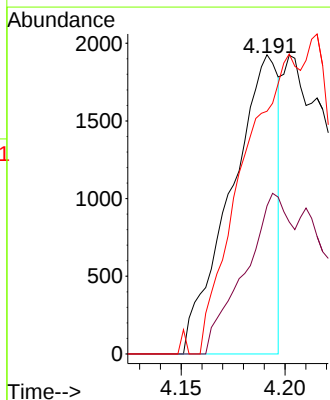
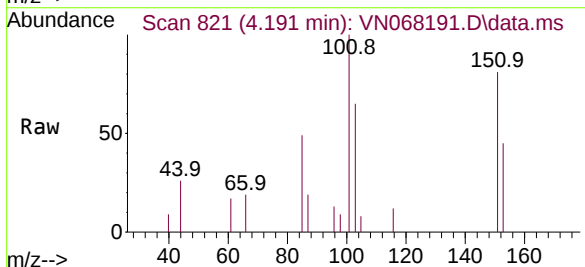
Instrument :
MSVOA_N
ClientSampled :

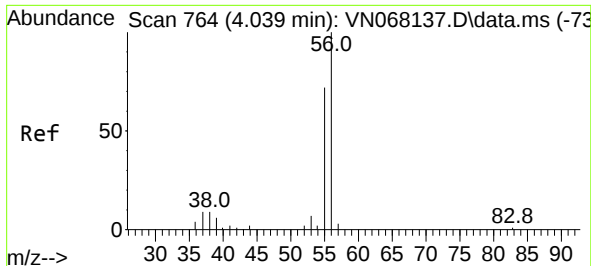
Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.868 ug/l
RT: 4.191 min Scan# 821
Delta R.T. -0.009 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

Tgt Ion: 101 Resp: 3049
Ion Ratio Lower Upper
101 100
85 53.0 39.6 59.4
151 120.6 54.1 81.1#

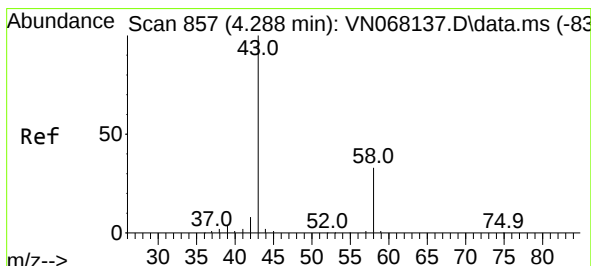
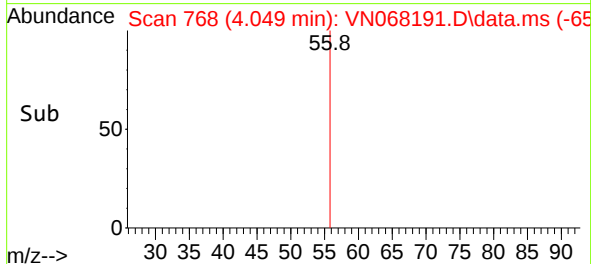
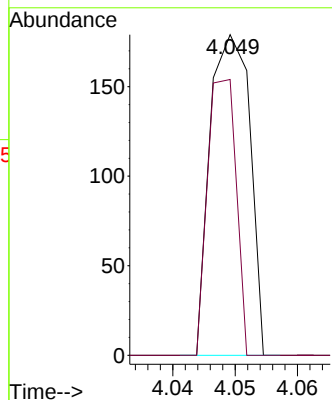
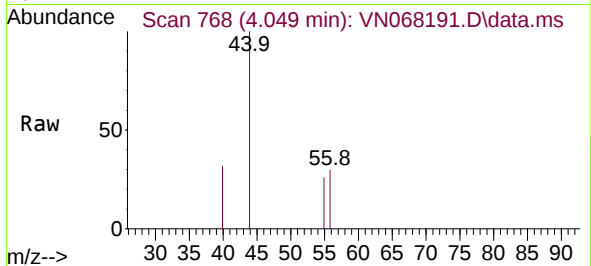




#13
Acrolein
Concen: Below Cal
RT: 4.049 min Scan# 768
Delta R.T. 0.010 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

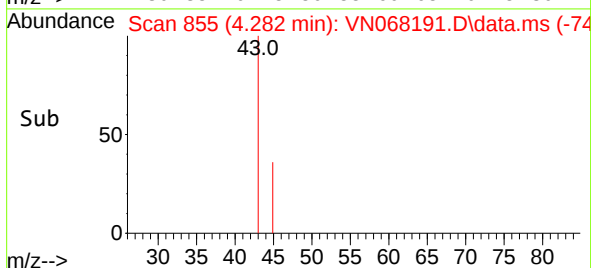
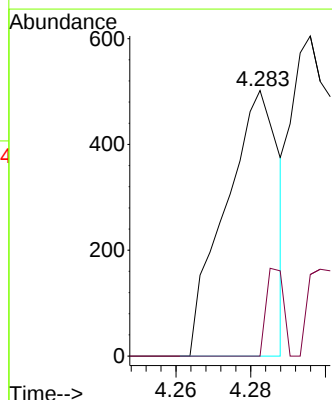
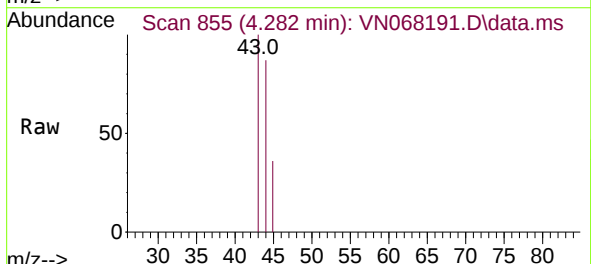
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MSVOA_N
ClientSampled :

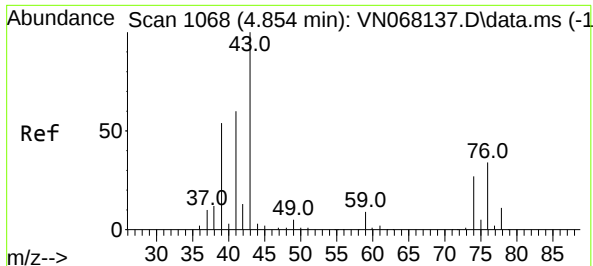
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 62.0 57.4 86.0



#16
Acetone
Concen: 0.379 ug/l
RT: 4.282 min Scan# 855
Delta R.T. -0.006 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

Tgt Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.862 min Scan# 1071

Delta R.T. 0.008 min

Lab File: VN068191.D

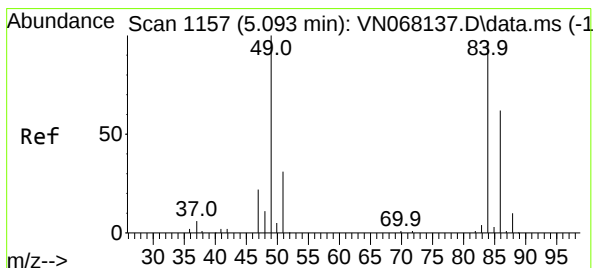
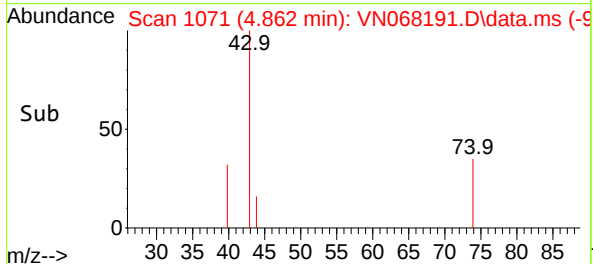
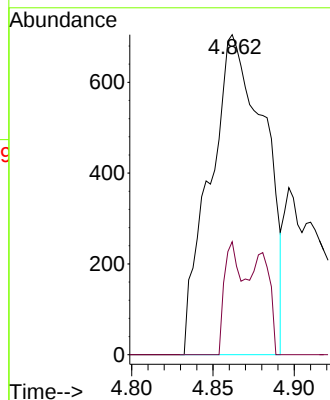
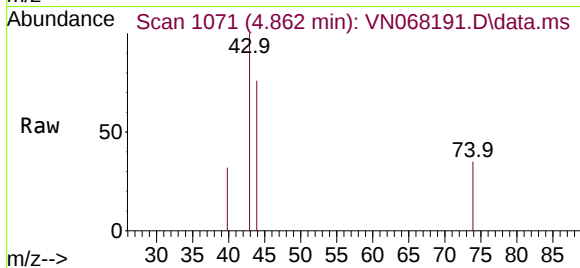
Acq: 18 Aug 2021 14:21

Tgt Ion: 43 Resp: 1650

Ion Ratio Lower Upper

43 100

74 12.9 17.4 26.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.095 min Scan# 1158

Delta R.T. 0.002 min

Lab File: VN068191.D

Acq: 18 Aug 2021 14:21

Tgt Ion: 84 Resp: 918

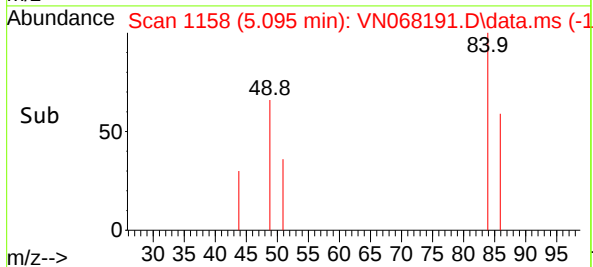
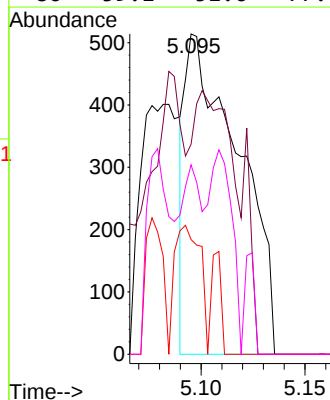
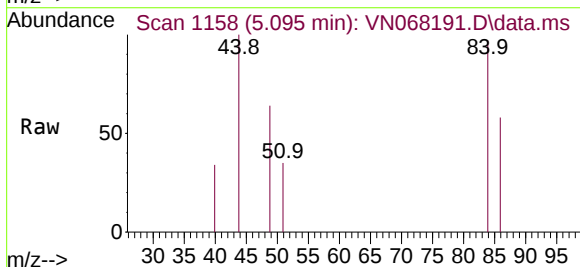
Ion Ratio Lower Upper

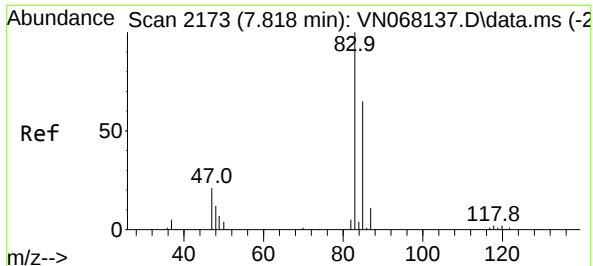
84 100

49 65.6 110.9 166.3#

51 35.8 32.6 49.0

86 59.1 51.6 77.4





#30

Chloroform

Concen: 0.374 ug/l

RT: 7.815 min Scan# 2172

Delta R.T. -0.003 min

Lab File: VN068191.D

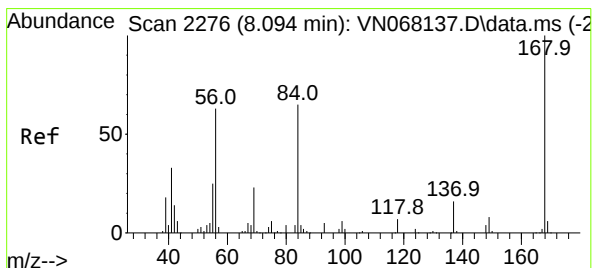
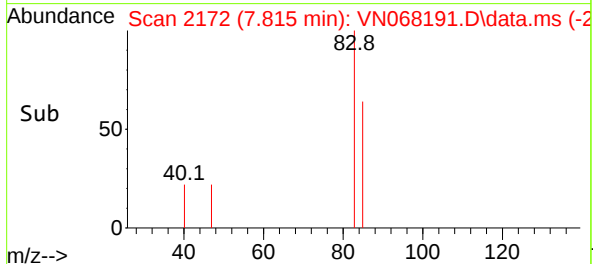
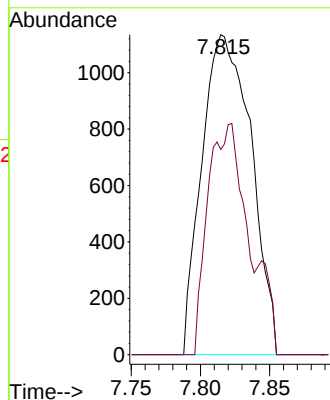
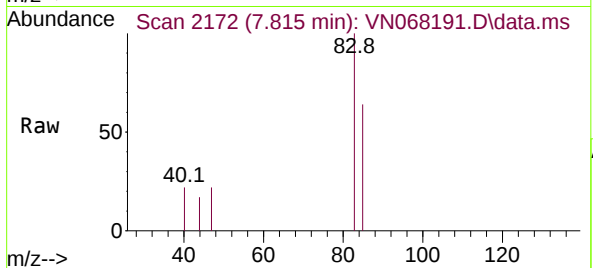
Acq: 18 Aug 2021 14:21

Tgt Ion: 83 Resp: 2808

Ion Ratio Lower Upper

83 100

85 64.1 51.5 77.3



#31

Cyclohexane

Concen: 1.230 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.003 min

Lab File: VN068191.D

Acq: 18 Aug 2021 14:21

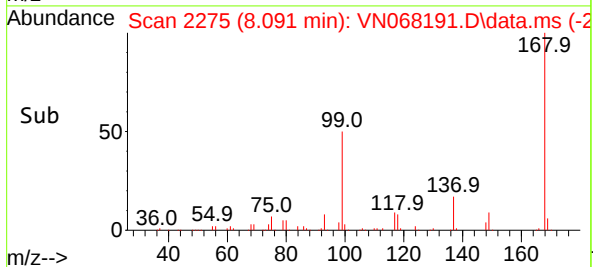
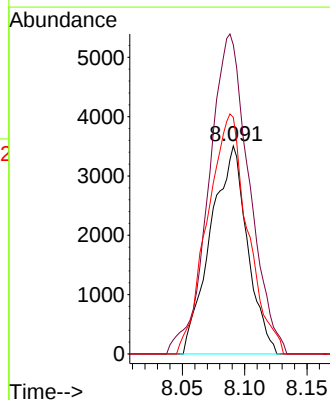
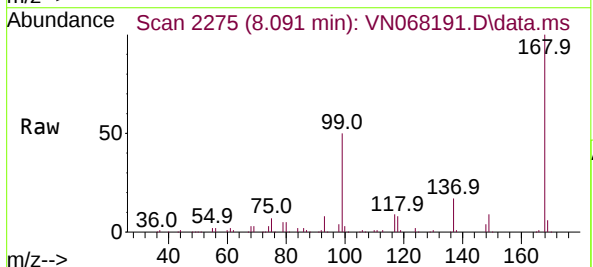
Tgt Ion: 56 Resp: 7202

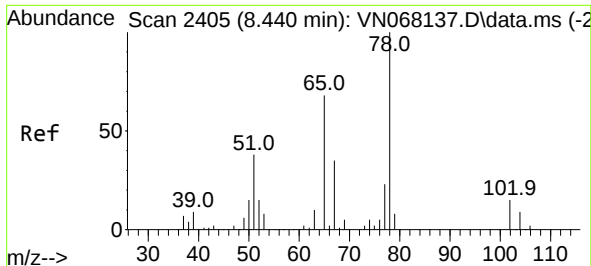
Ion Ratio Lower Upper

56 100

69 140.7 27.3 40.9#

84 109.0 64.9 97.3#

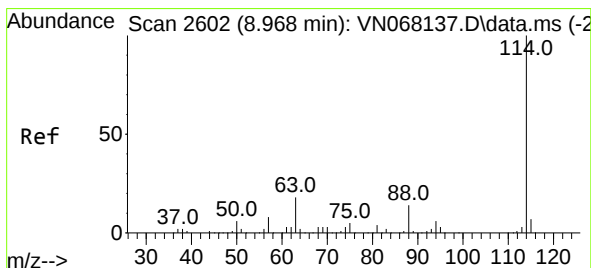
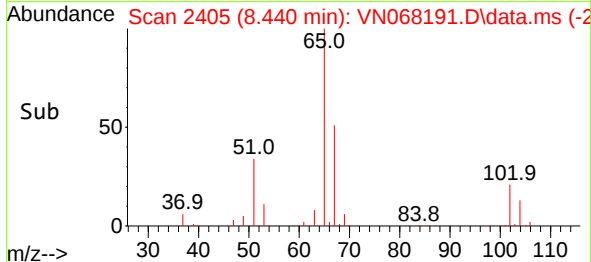
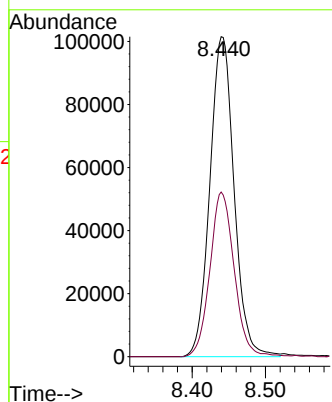
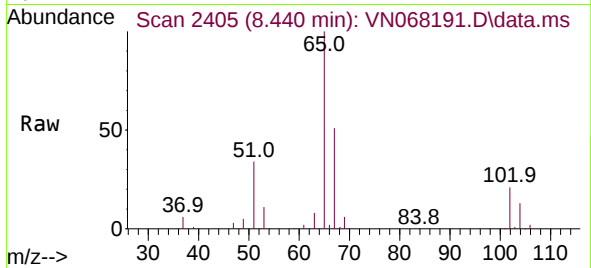




#33
 1,2-Dichloroethane-d4
 Concen: 52.400 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068191.D
 Acq: 18 Aug 2021 14:21

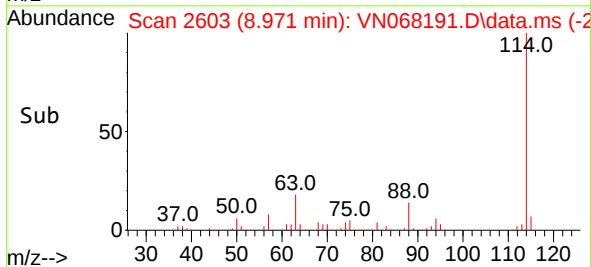
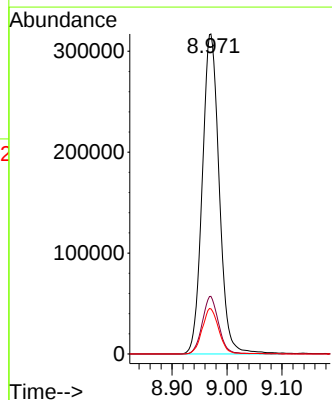
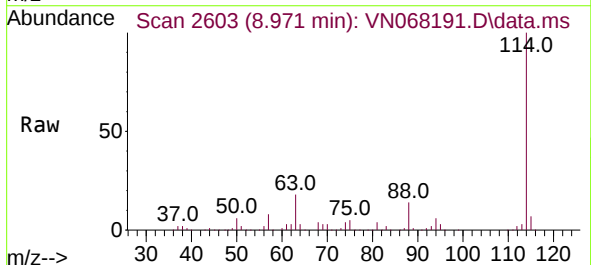
Instrument :
 MSVOA_N
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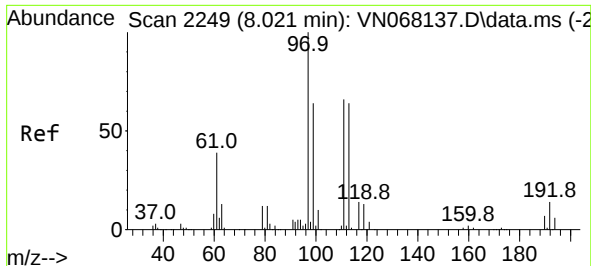
Tgt Ion: 65 Resp: 232985
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068191.D
 Acq: 18 Aug 2021 14:21

Tgt Ion: 114 Resp: 679166
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 49.0
 88 14.1 0.0 36.6

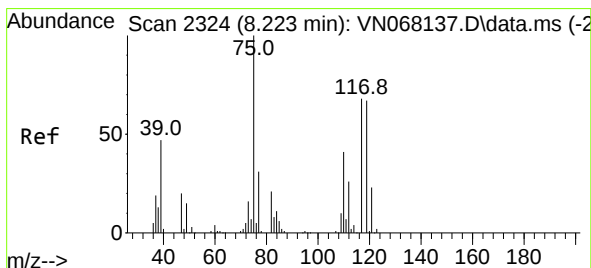
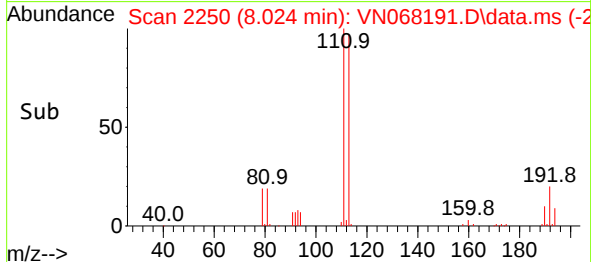
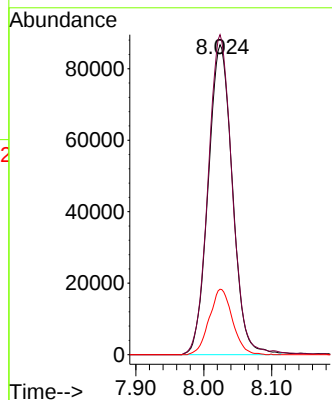
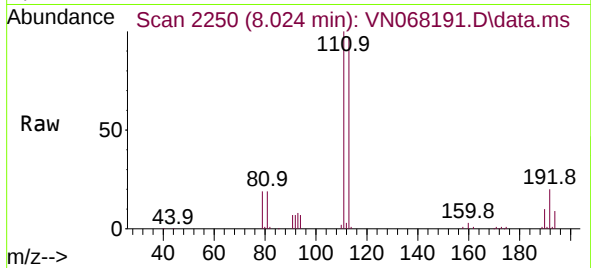




#35
Dibromofluoromethane
Concen: 50.314 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

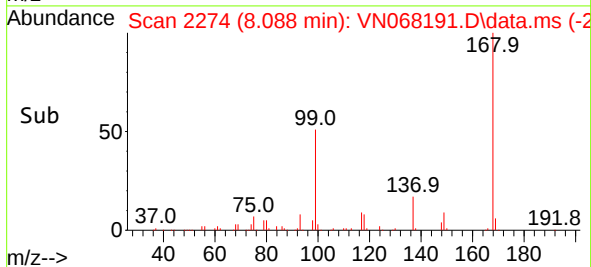
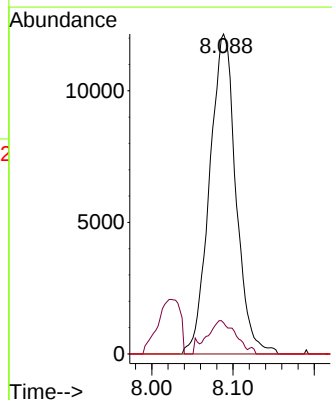
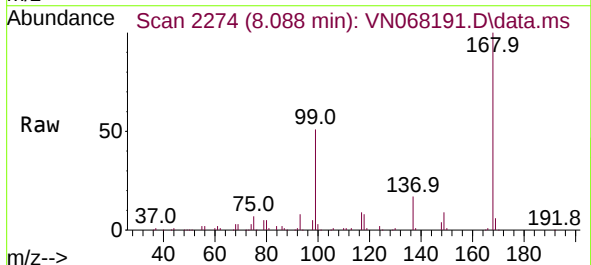
Instrument :
MSVOA_N
ClientSampled :

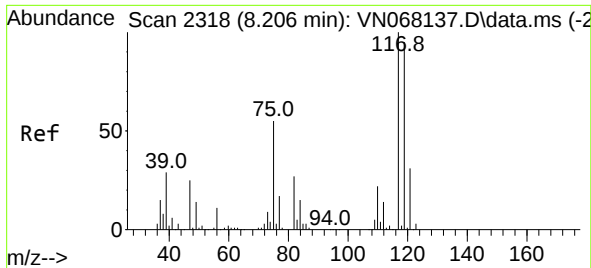
Tgt Ion:113 Resp: 214540
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.8
192 20.2 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.939 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

Tgt Ion: 75 Resp: 27422
Ion Ratio Lower Upper
75 100
110 8.6 15.7 47.0#
77 0.0 24.6 37.0#

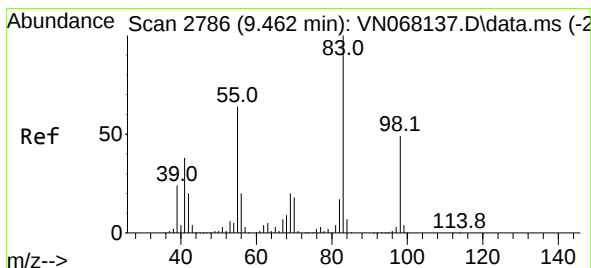
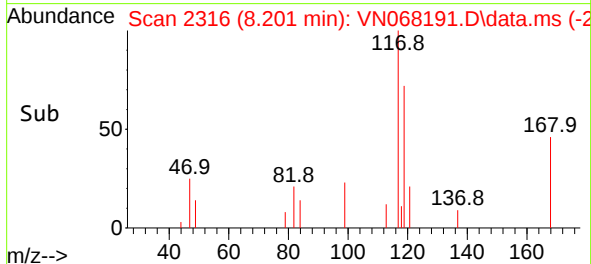
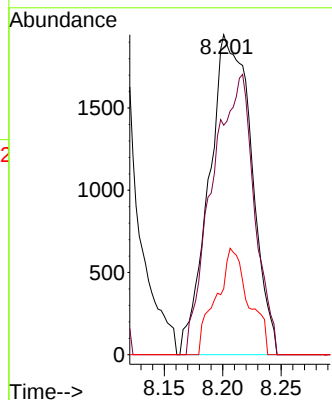
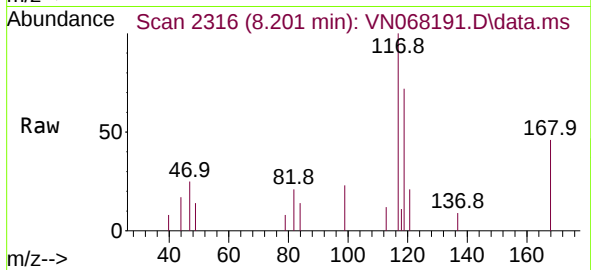




#38
Carbon Tetrachloride
Concen: 0.767 ug/l
RT: 8.201 min Scan# 2316
Delta R.T. -0.005 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

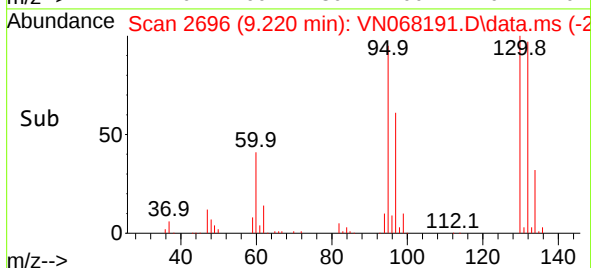
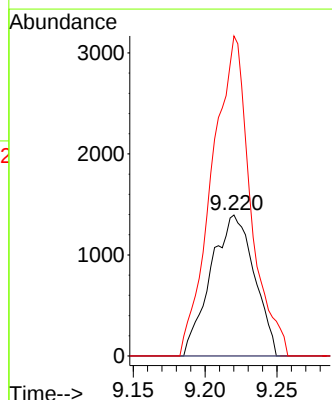
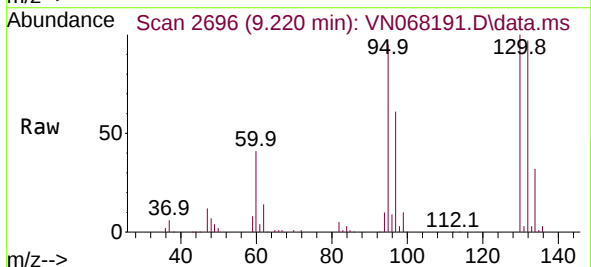
Instrument :
MSVOA_N
ClientSampleId :

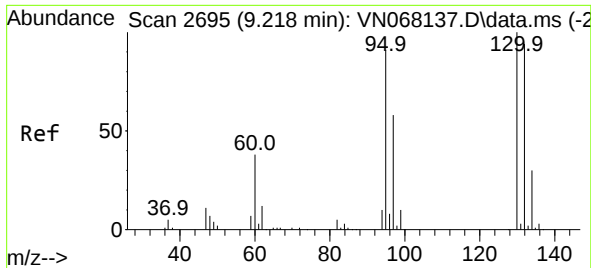
Tgt Ion:117 Resp: 4912
Ion Ratio Lower Upper
117 100
119 71.7 75.4 113.2#
121 20.6 23.5 35.3#



#39
Methylcyclohexane
Concen: 0.469 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. -0.242 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

Tgt Ion: 83 Resp: 2941
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 227.1 35.3 52.9#

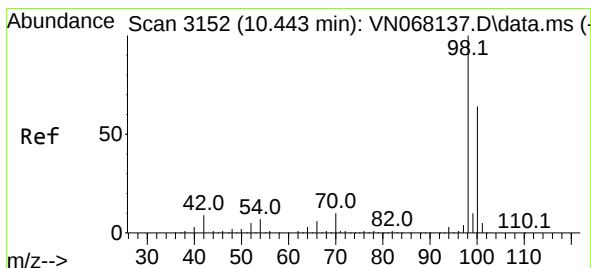
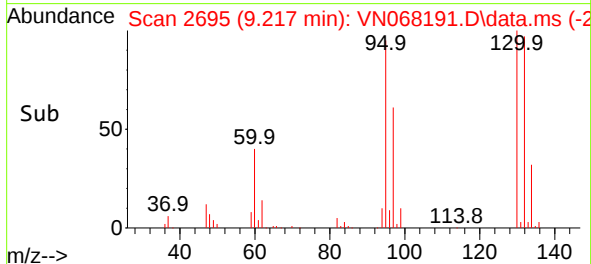
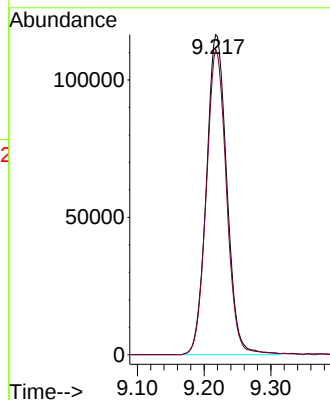
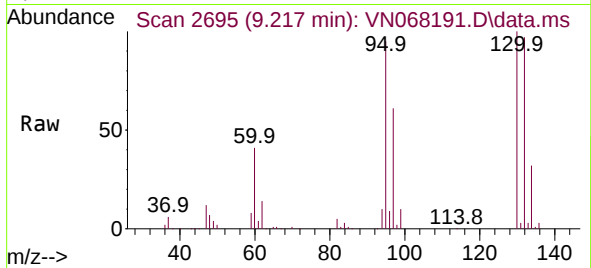




#44
Trichloroethene
Concen: 48.629 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.001 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

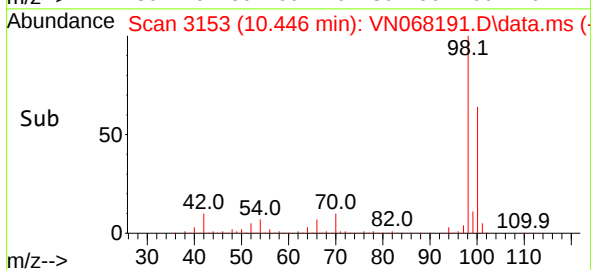
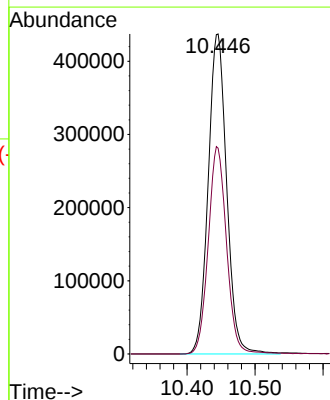
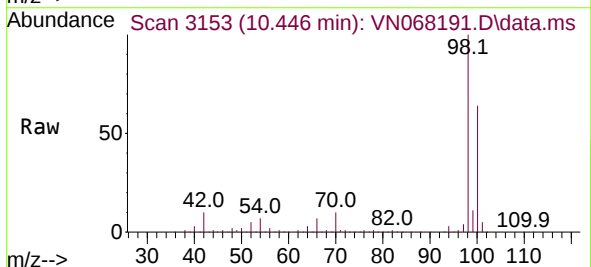
Instrument :
MSVOA_N
ClientSampled :

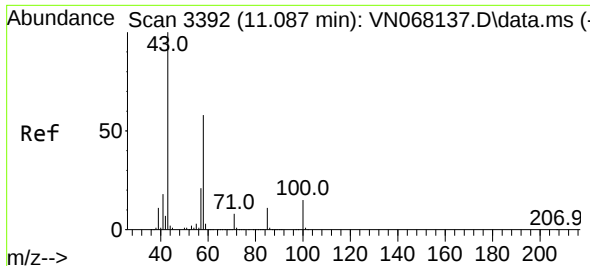
Tgt Ion:130 Resp: 247803
Ion Ratio Lower Upper
130 100
95 95.4 0.0 234.4



#50
Toluene-d8
Concen: 50.834 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

Tgt Ion: 98 Resp: 825918
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5

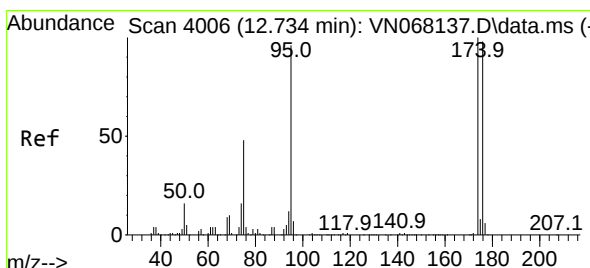
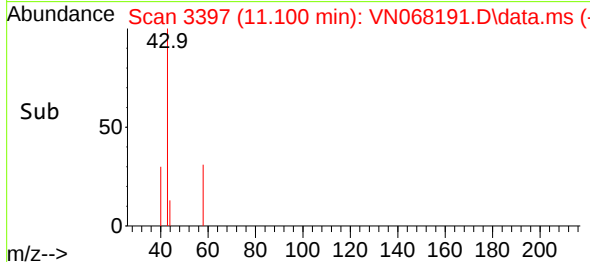
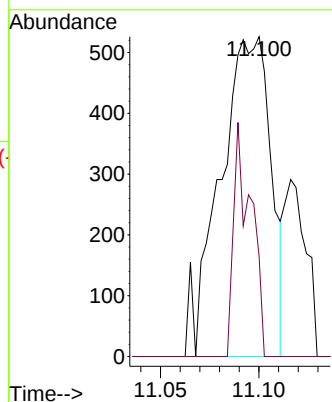
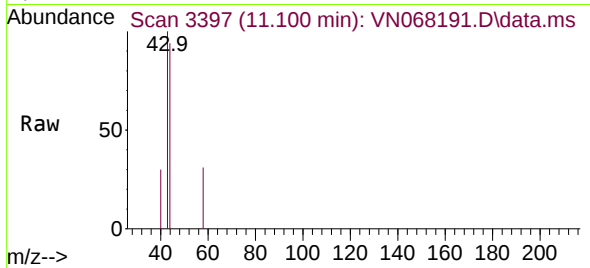




#59
2-Hexanone
Concen: 0.293 ug/l
RT: 11.100 min Scan# 3397
Delta R.T. 0.013 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

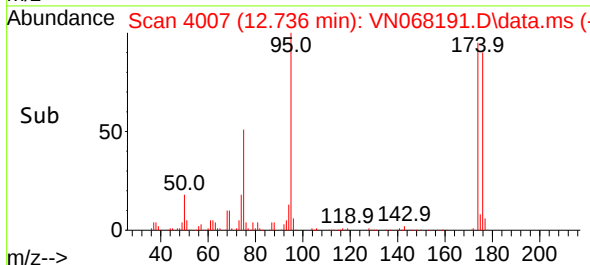
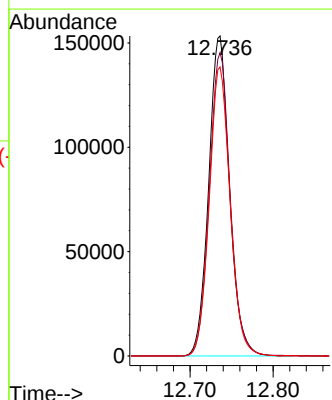
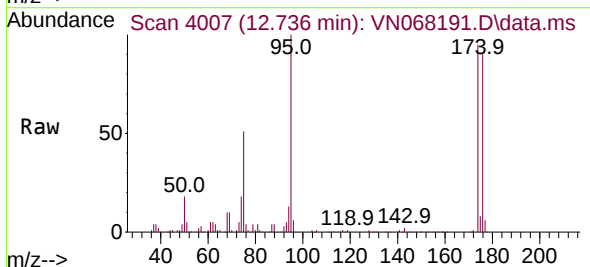
Instrument :
MSVOA_N
ClientSampled :

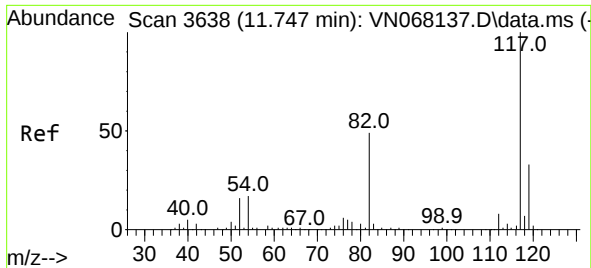
Tgt Ion: 43 Resp: 947
Ion Ratio Lower Upper
43 100
58 25.1 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 49.359 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

Tgt Ion: 95 Resp: 266963
Ion Ratio Lower Upper
95 100
174 95.3 0.0 122.0
176 90.5 0.0 117.6

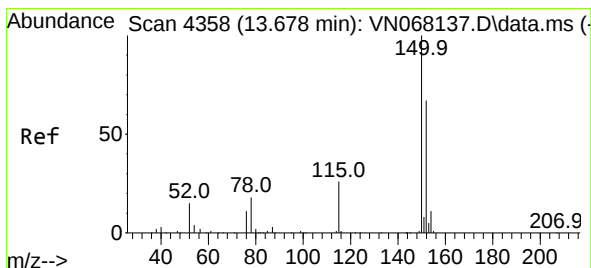
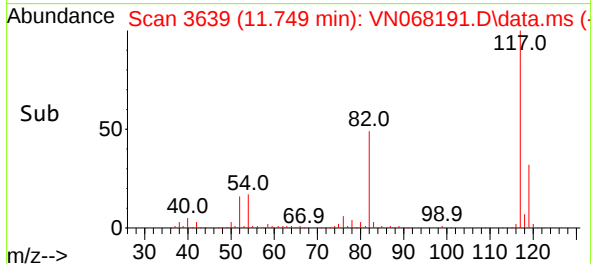
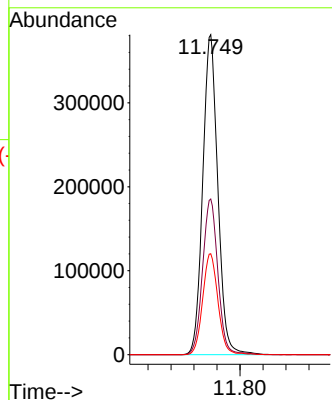
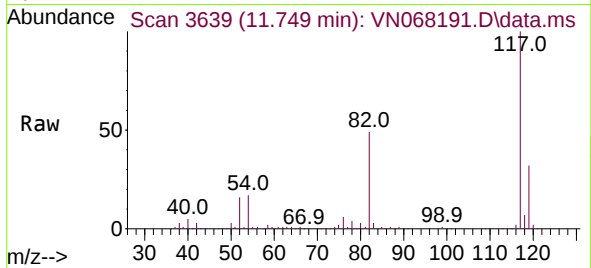




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

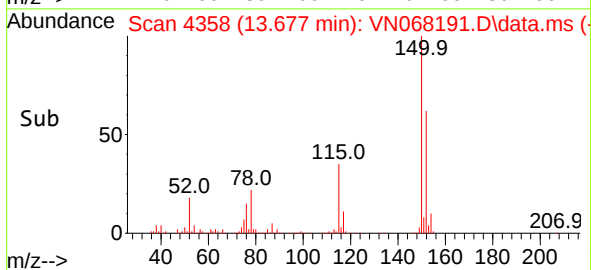
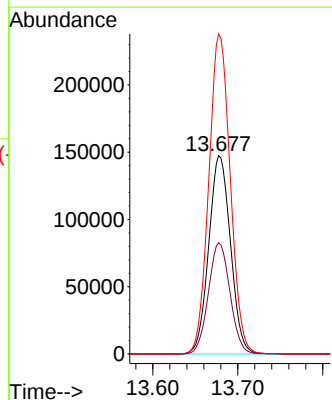
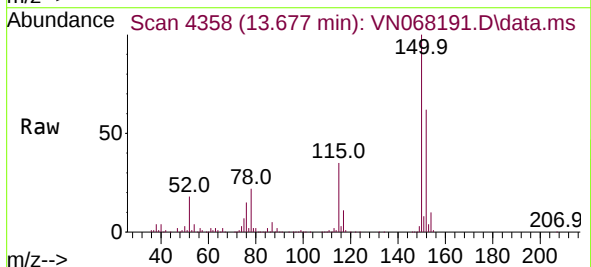
Instrument :
MSVOA_N
ClientSampleId :

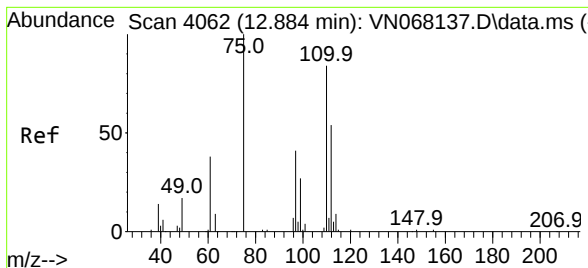
Tgt Ion:117 Resp: 693029
Ion Ratio Lower Upper
117 100
82 48.7 53.1 79.7#
119 31.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

Tgt Ion:152 Resp: 262272
Ion Ratio Lower Upper
152 100
115 55.6 36.1 108.5
150 159.1 0.0 351.8

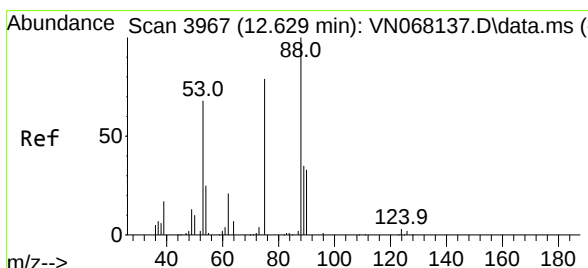
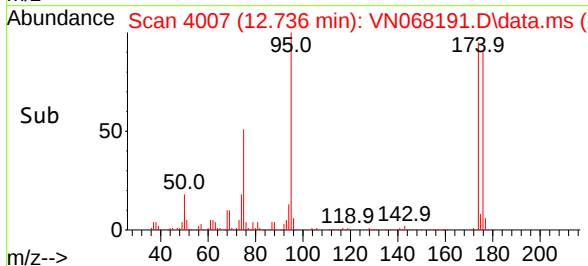
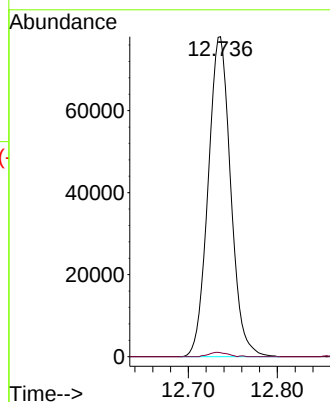
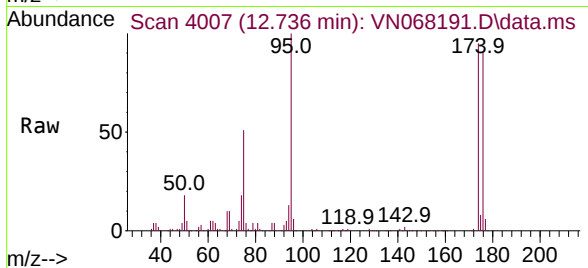




#76
1,2,3-Trichloropropane
Concen: 31.498 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

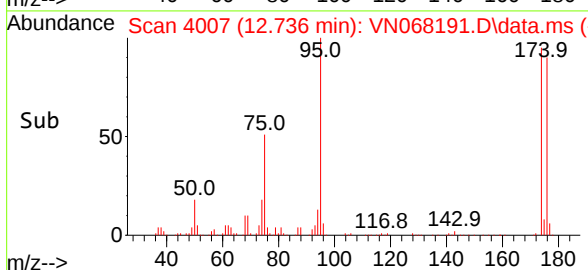
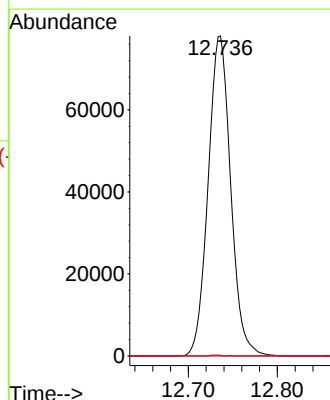
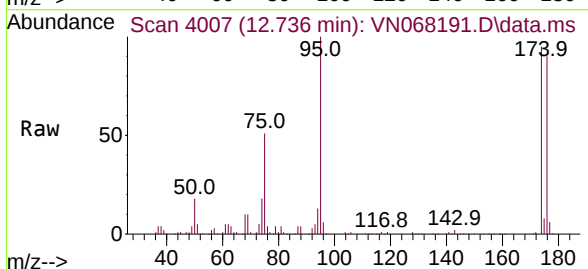
Instrument :
MSVOA_N
ClientSampled :

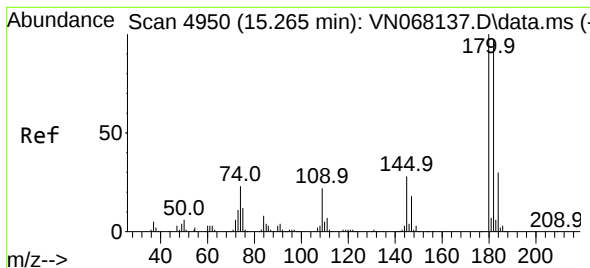
Tgt Ion: 75 Resp: 137306
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.192 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

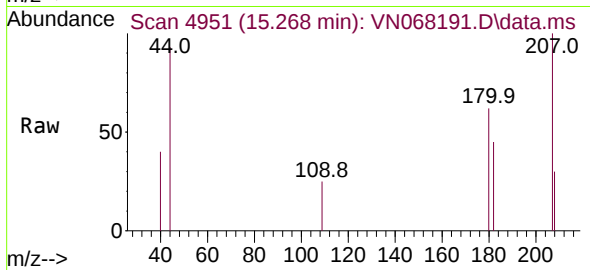
Tgt Ion: 75 Resp: 137306
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



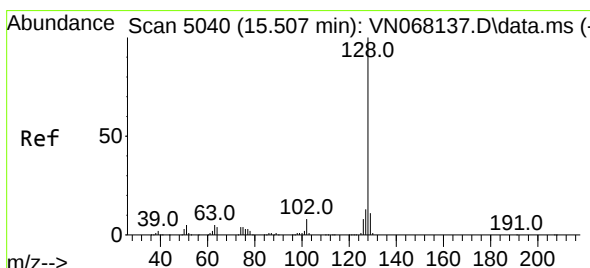
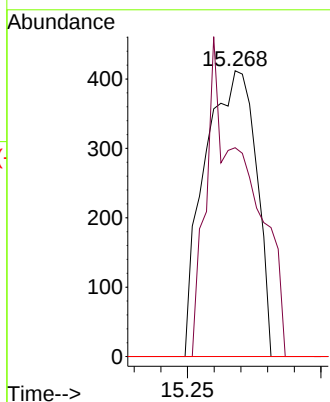
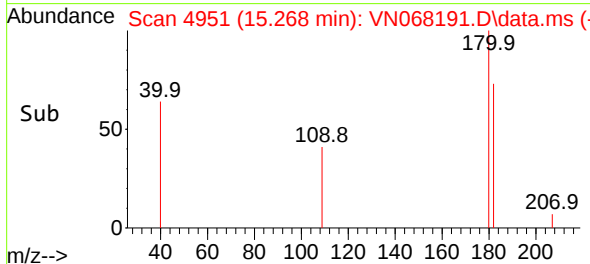


#93
1,2,4-Trichlorobenzene
Concen: 2.804 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21

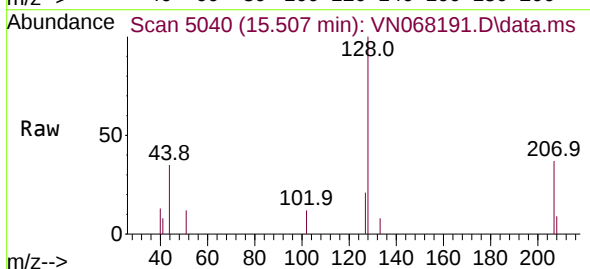
Instrument :
MSVOA_N
ClientSampled :



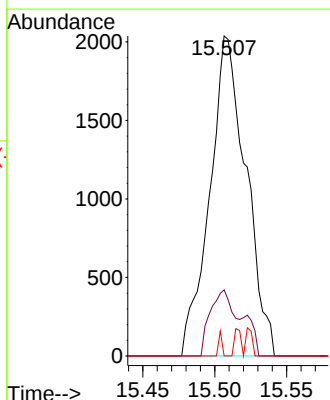
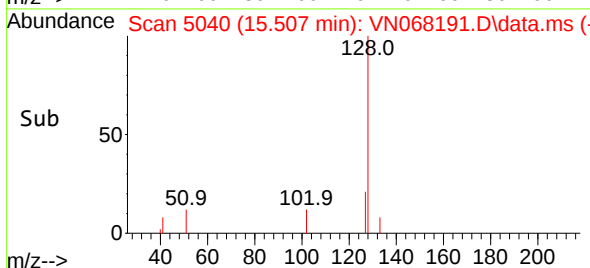
Tgt Ion:180 Resp: 551
Ion Ratio Lower Upper
180 100
182 88.6 47.5 142.5
145 0.0 17.2 51.6#

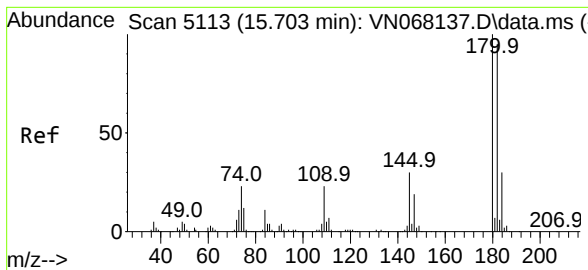


#95
Naphthalene
Concen: 3.668 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068191.D
Acq: 18 Aug 2021 14:21



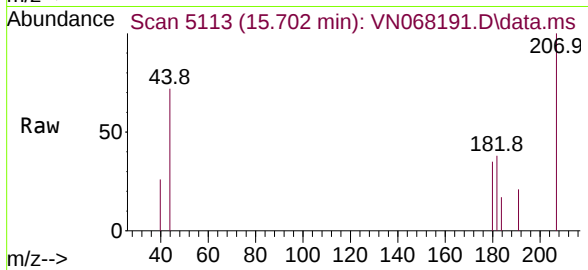
Tgt Ion:128 Resp: 3566
Ion Ratio Lower Upper
128 100
127 13.8 10.6 15.8
129 0.7 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.967 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. -0.001 min
 Lab File: VN068191.D
 Acq: 18 Aug 2021 14:21

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:	180	Resp:	599
Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.8	143.3
145	0.0	18.2	54.6#

