

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068193.D
 Acq On : 18 Aug 2021 15:10
 Operator : JC/MD
 Sample : M3435-31
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 19 03:07:01 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)

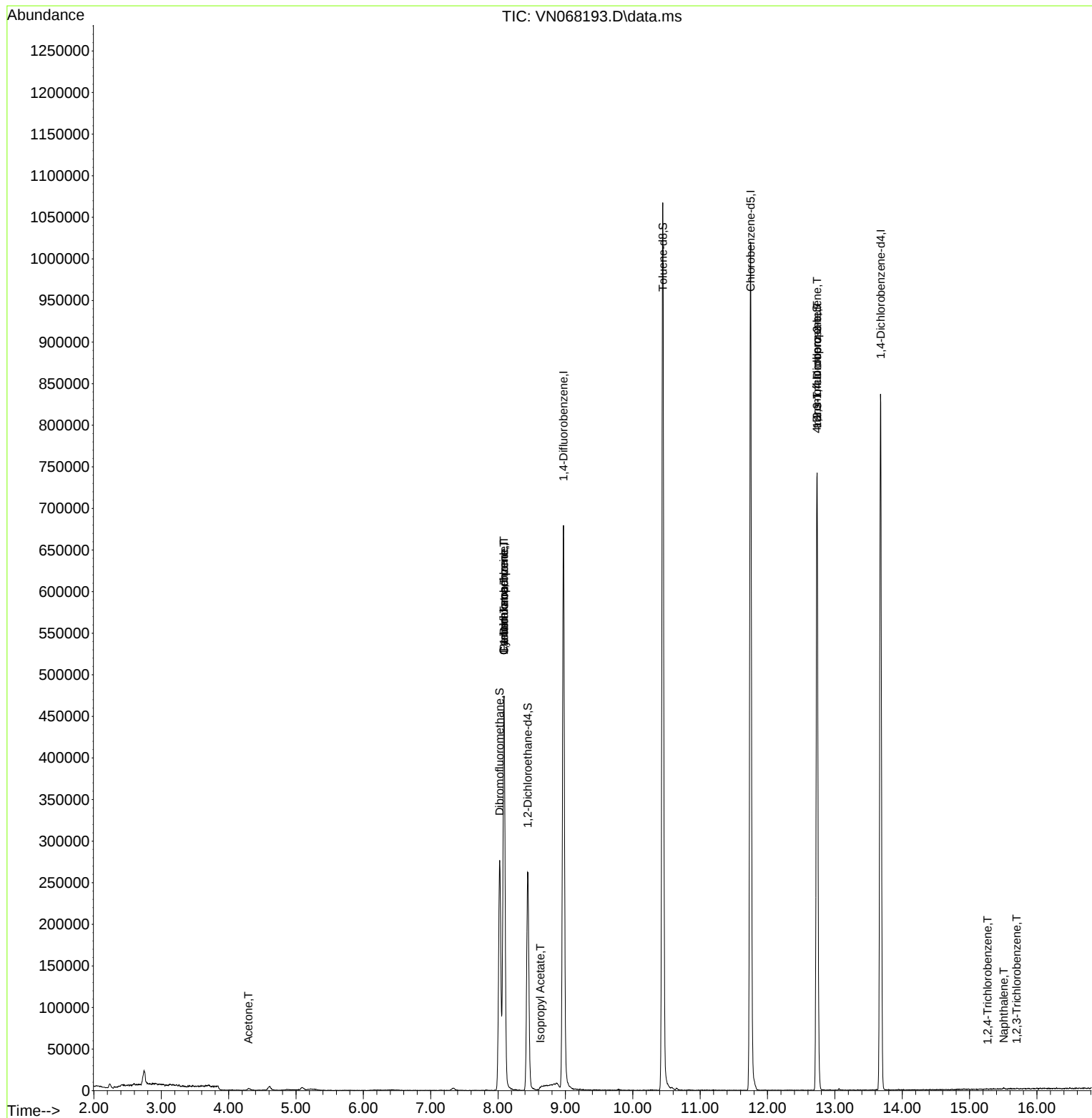
Internal Standards						
1) Pentafluorobenzene	8.088	168	388387	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	647832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	658785	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	251301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	225244	54.316	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 108.640%		
35) Dibromofluoromethane	8.024	113	202346	49.750	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 99.500%		
50) Toluene-d8	10.446	98	796346	51.385	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 102.760%		
62) 4-Bromofluorobenzene	12.733	95	257994	50.007	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 100.020%		
Target Compounds						
						Qvalue
5) Bromomethane	2.842	94	120	Below Cal	#	4
6) Chloroethane	3.113	64	61	Below Cal	#	44
13) Acrolein	4.057	56	110	Below Cal	#	1
16) Acetone	4.293	43	4452	3.677	ug/l #	84
18) Methyl Acetate	4.865	43	1020	Below Cal	#	54
20) Methylene Chloride	5.082	84	1863	Below Cal	#	64
31) Cyclohexane	8.086	56	7028	1.287	ug/l #	2
36) 1,1-Dichloropropene	8.086	75	26090	4.927	ug/l #	51
38) Carbon Tetrachloride	8.086	117	37655	6.165	ug/l #	18
43) Isopropyl Acetate	8.627	43	1719	0.238	ug/l #	58
76) 1,2,3-Trichloropropane	12.736	75	131824	31.560	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	131824	103.397	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.268	180	244	2.740	ug/l #	12
95) Naphthalene	15.507	128	1559	3.492	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.700	180	239	2.888	ug/l #	64

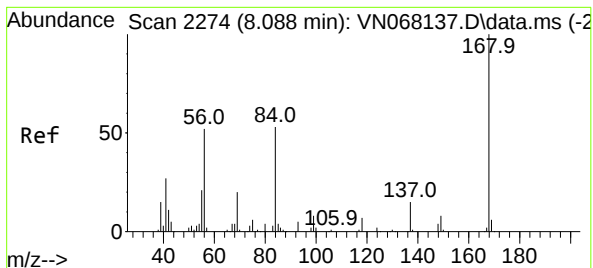
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068193.D

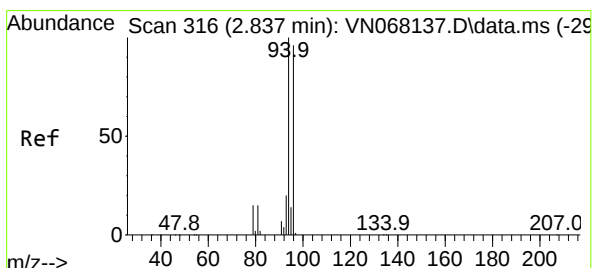
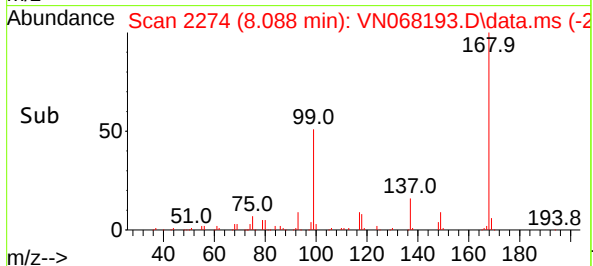
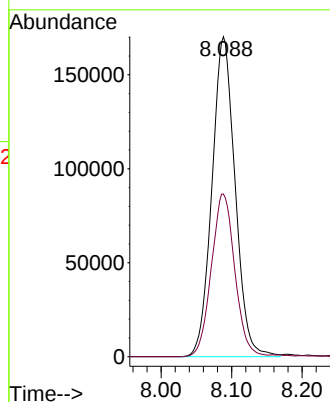
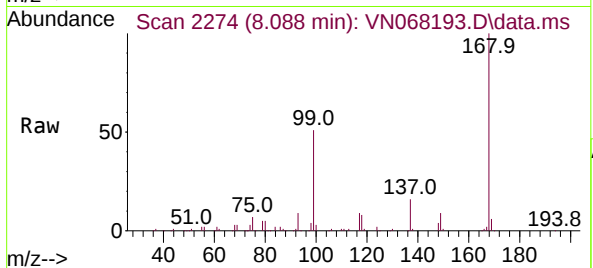
Acq: 18 Aug 2021 15:10

Tgt Ion:168 Resp: 388387

Ion Ratio Lower Upper

168 100

99 50.9 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.842 min Scan# 318

Delta R.T. 0.005 min

Lab File: VN068193.D

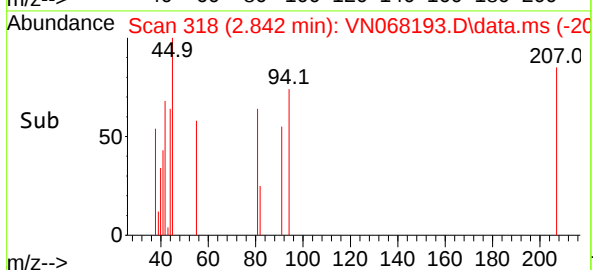
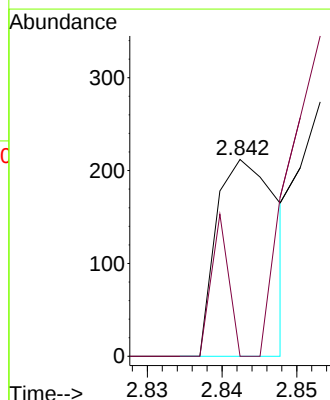
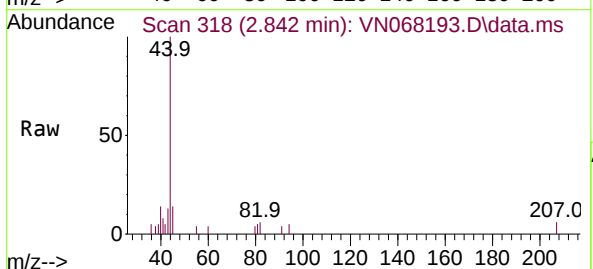
Acq: 18 Aug 2021 15:10

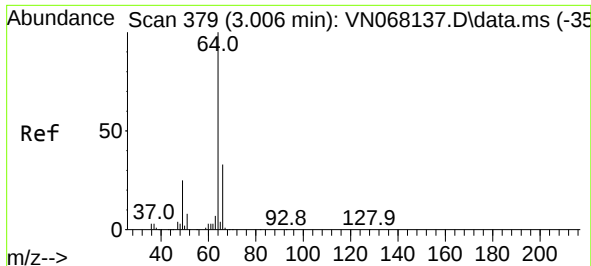
Tgt Ion: 94 Resp: 120

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

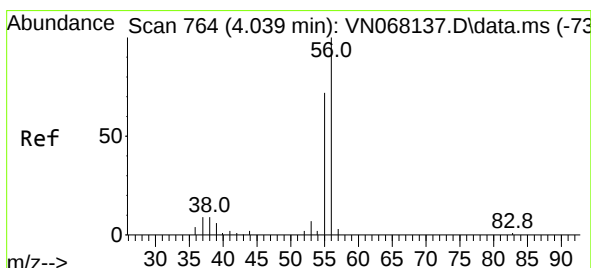
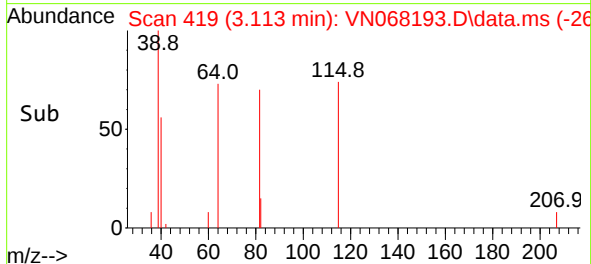
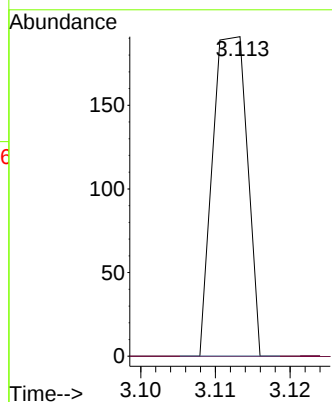
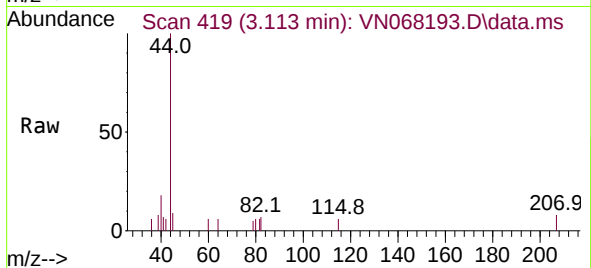




#6
Chloroethane
Concen: Below Cal
RT: 3.113 min Scan# 419
Delta R.T. 0.107 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

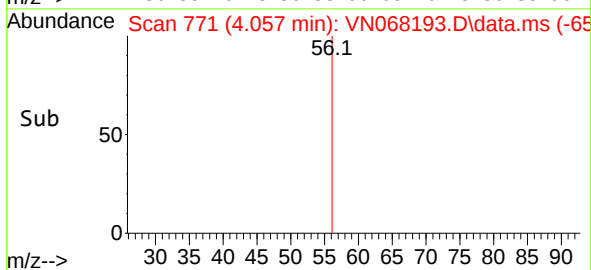
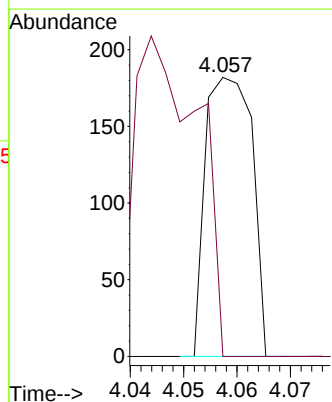
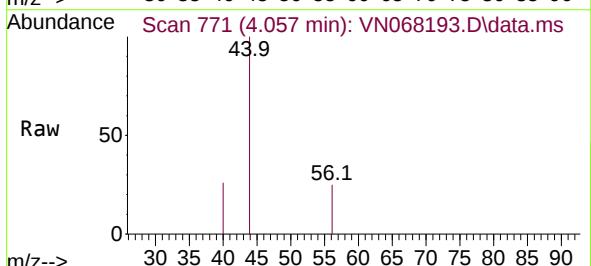
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.057 min Scan# 771
Delta R.T. 0.018 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 154.5 57.4 86.0#

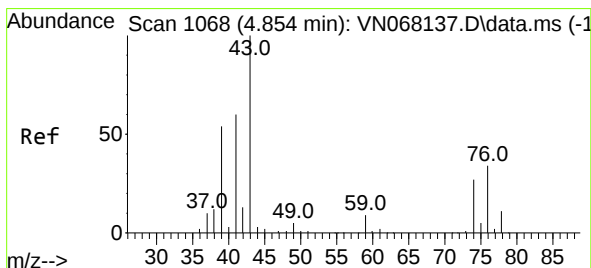
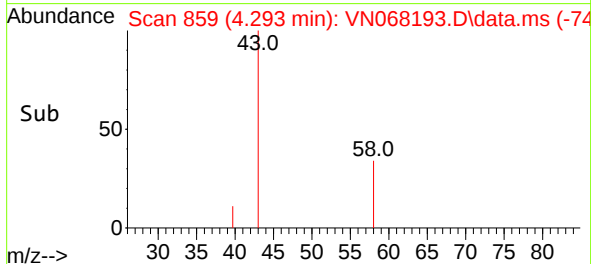
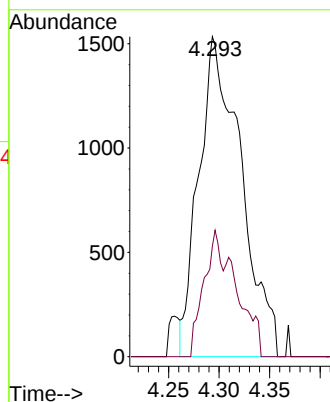
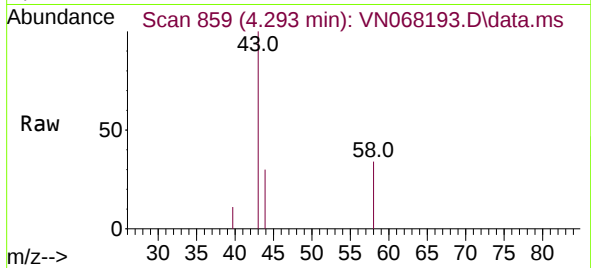




#16
Acetone
Concen: 3.677 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

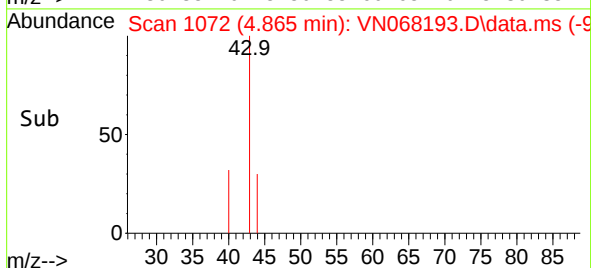
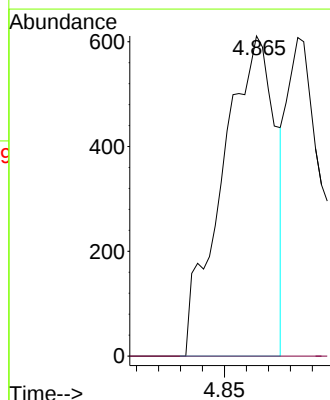
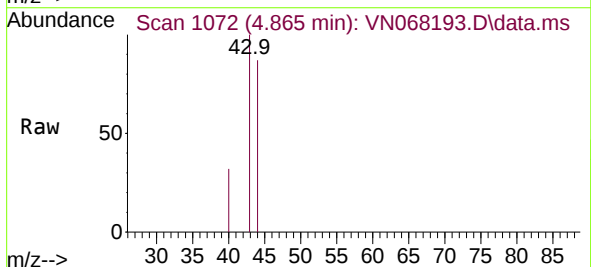
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 4452
Ion Ratio Lower Upper
43 100
58 34.5 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

Tgt Ion: 43 Resp: 1020
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#





#20

Methylene Chloride

Concen: Below Cal

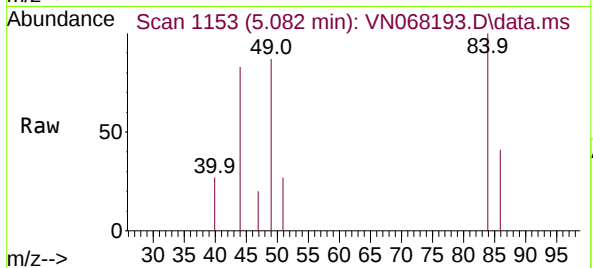
RT: 5.082 min Scan# 1153

Delta R.T. -0.011 min

Lab File: VN068193.D

Acq: 18 Aug 2021 15:10

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 1863

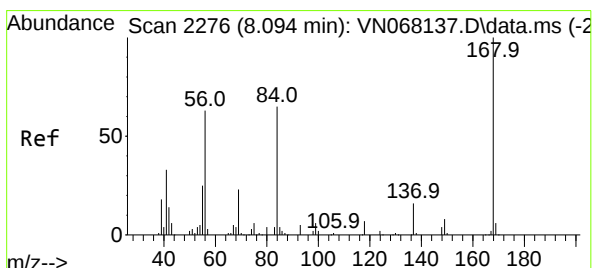
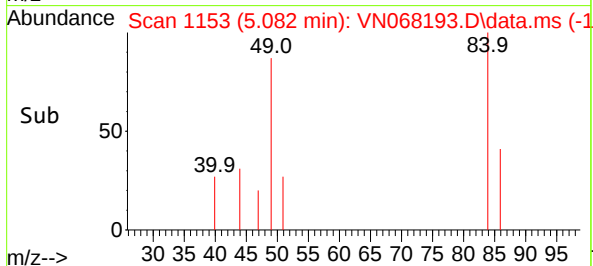
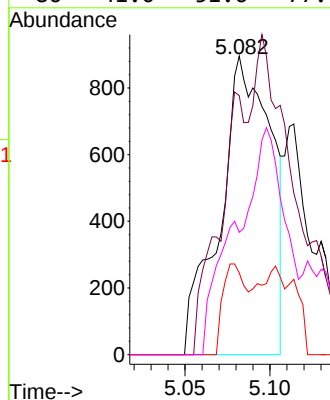
Ion Ratio Lower Upper

84 100

49 86.7 110.9 166.3#

51 27.3 32.6 49.0#

86 41.0 51.6 77.4#



#31

Cyclohexane

Concen: 1.287 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN068193.D

Acq: 18 Aug 2021 15:10

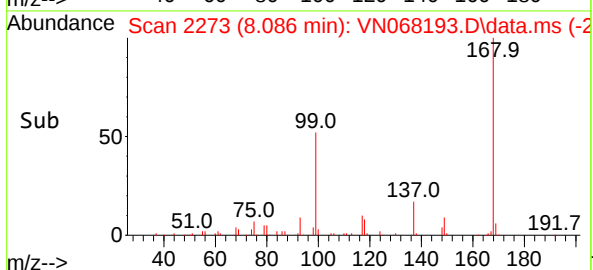
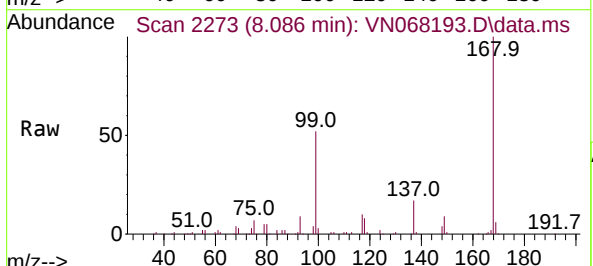
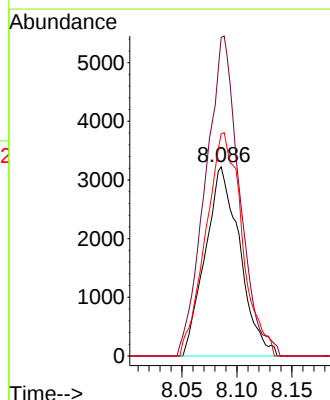
Tgt Ion: 56 Resp: 7028

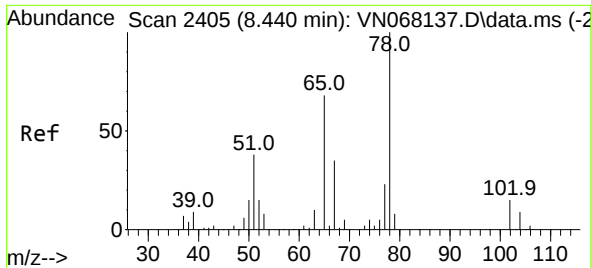
Ion Ratio Lower Upper

56 100

69 168.4 27.3 40.9#

84 117.4 64.9 97.3#

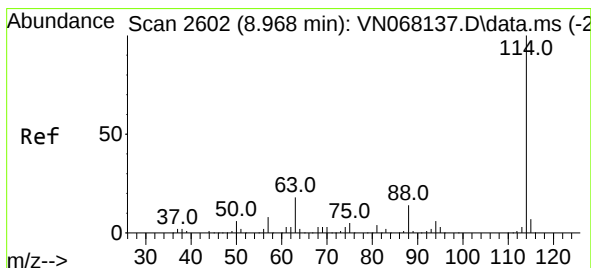
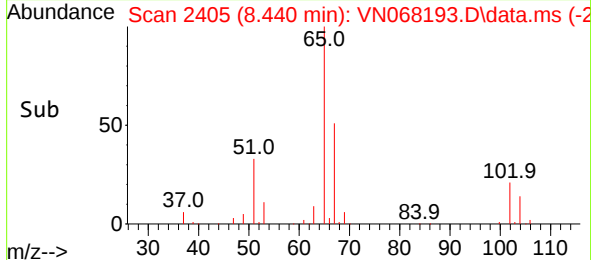
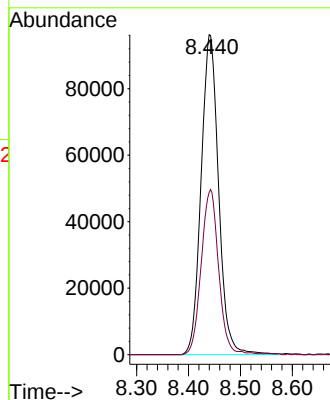
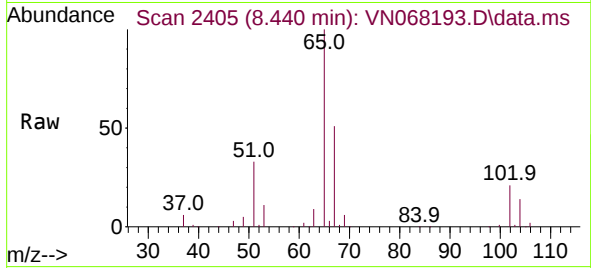




#33
 1,2-Dichloroethane-d4
 Concen: 54.316 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068193.D
 Acq: 18 Aug 2021 15:10

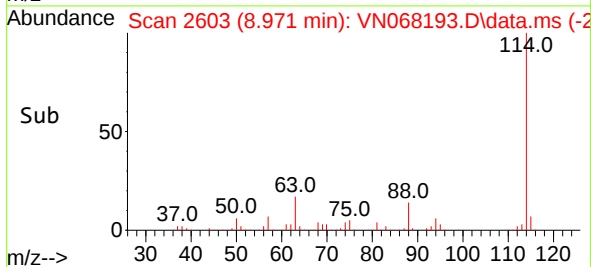
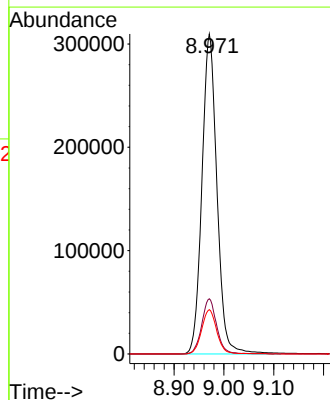
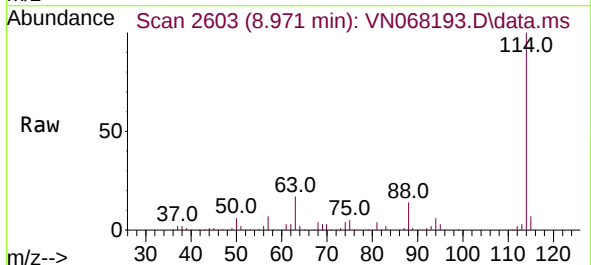
Instrument :
 MSVOA_N
 ClientSampled :

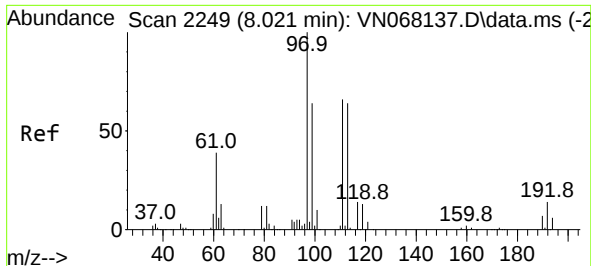
Tgt Ion: 65 Resp: 225244
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068193.D
 Acq: 18 Aug 2021 15:10

Tgt Ion: 114 Resp: 647832
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 49.0
 88 13.9 0.0 36.6

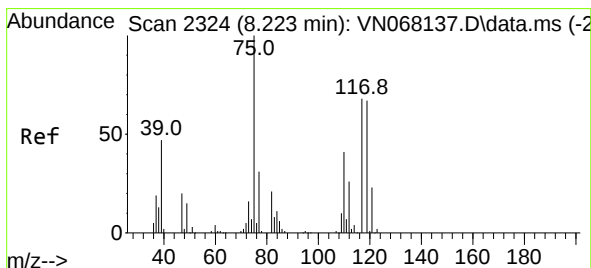
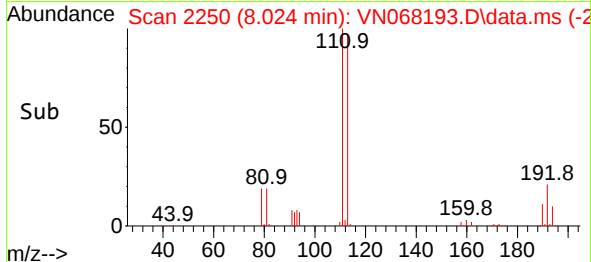
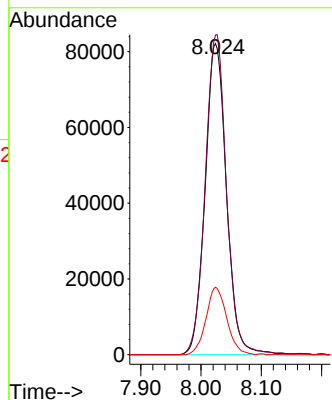
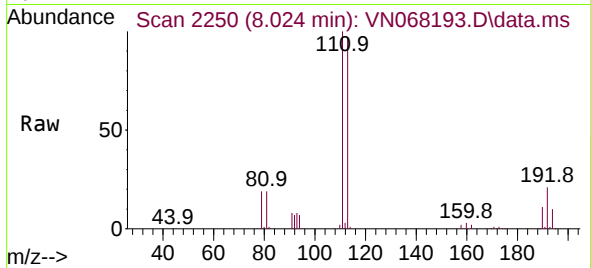




#35
Dibromofluoromethane
Concen: 49.750 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

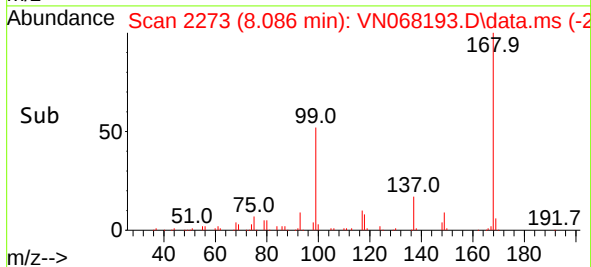
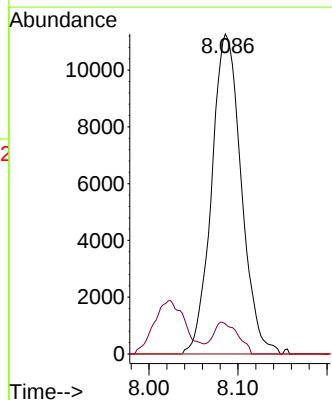
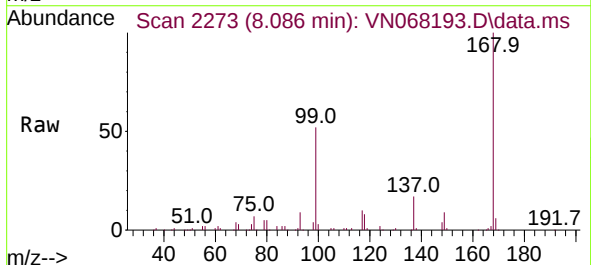
Instrument :
MSVOA_N
ClientSampled :

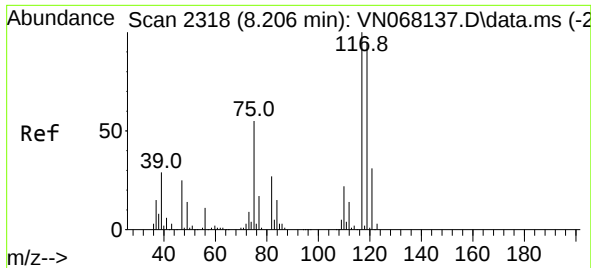
Tgt Ion: 113 Resp: 202346
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.8
192 21.1 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.927 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

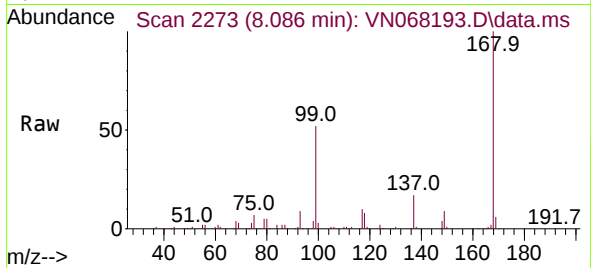
Tgt Ion: 75 Resp: 26090
Ion Ratio Lower Upper
75 100
110 8.2 15.7 47.0#
77 0.0 24.6 37.0#



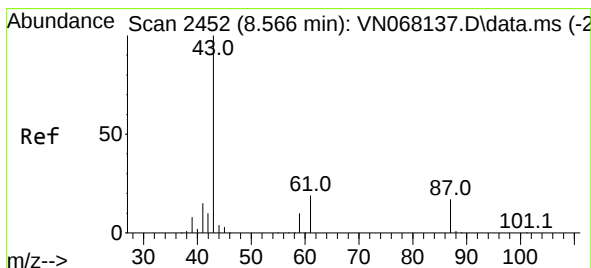
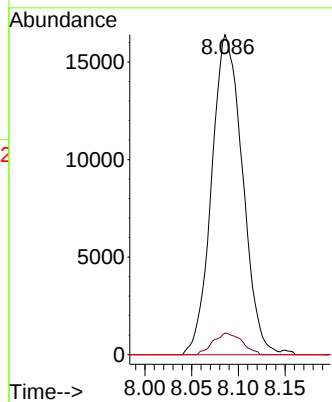
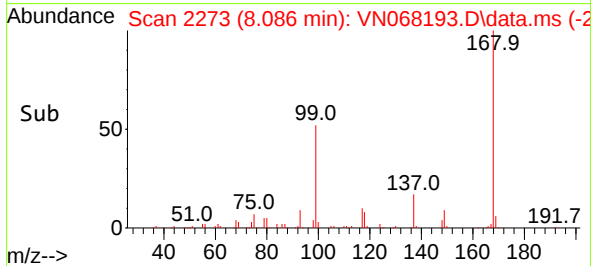


#38
Carbon Tetrachloride
Concen: 6.165 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

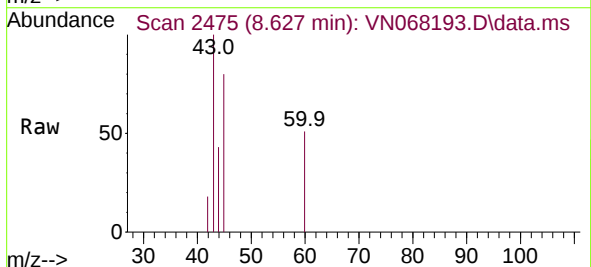
Instrument :
MSVOA_N
ClientSampled :



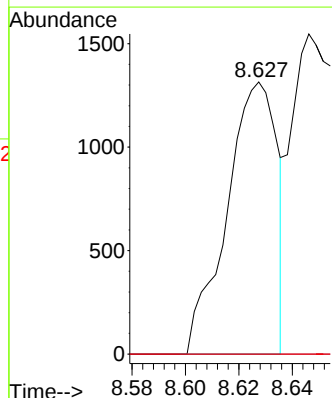
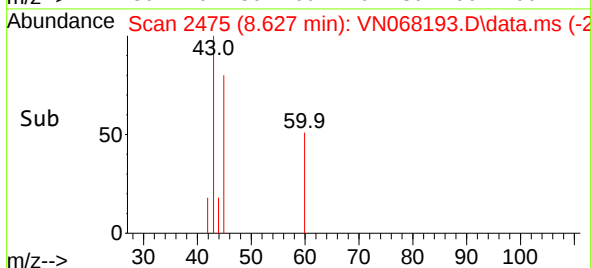
Tgt Ion:117 Resp: 37655
Ion Ratio Lower Upper
117 100
119 6.8 75.4 113.2#
121 0.0 23.5 35.3#

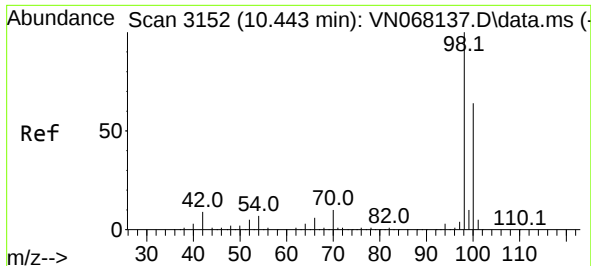


#43
Isopropyl Acetate
Concen: 0.238 ug/l
RT: 8.627 min Scan# 2475
Delta R.T. 0.061 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10



Tgt Ion: 43 Resp: 1719
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

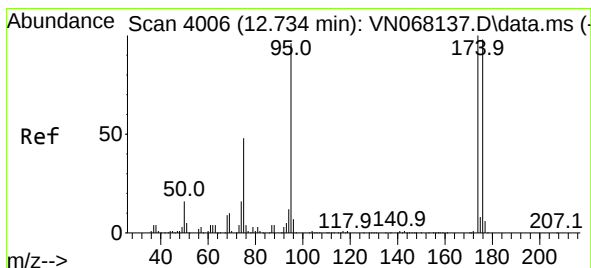
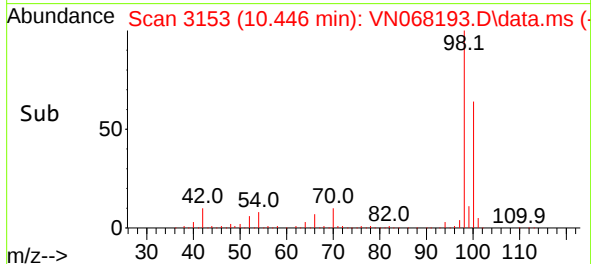
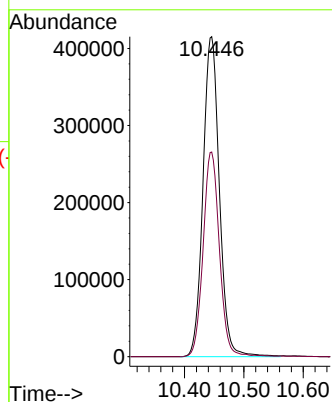
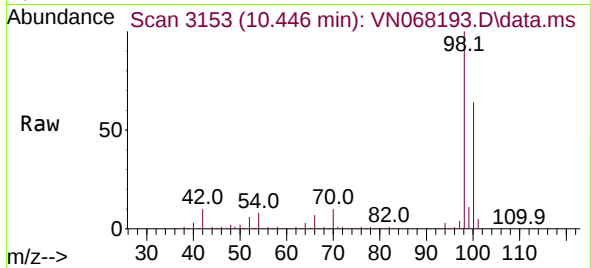




#50
Toluene-d8
Concen: 51.385 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

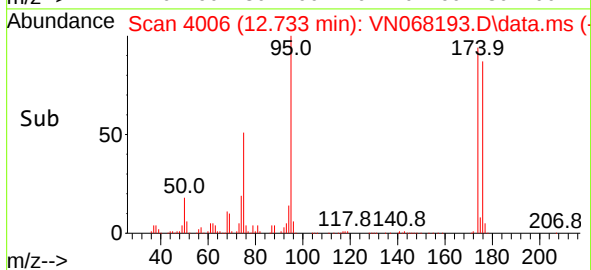
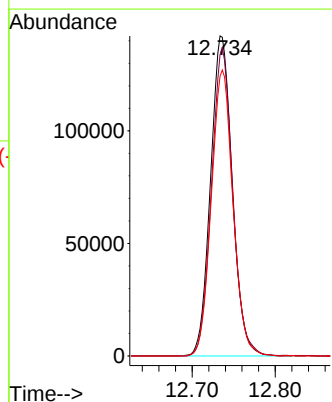
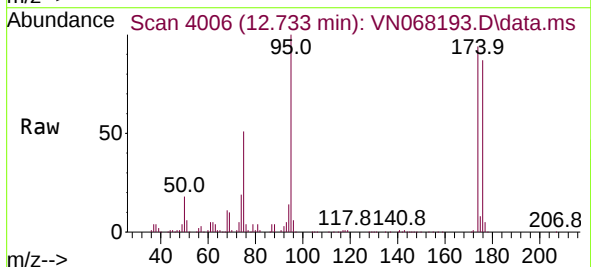
Instrument :
MSVOA_N
ClientSampled :

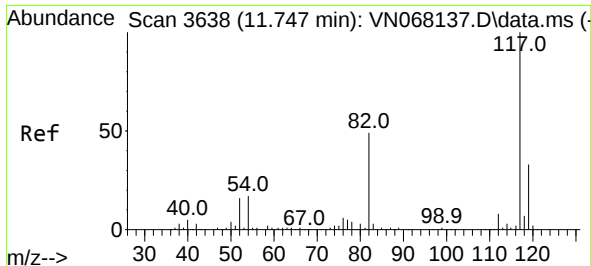
Tgt Ion: 98 Resp: 796346
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 50.007 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

Tgt Ion: 95 Resp: 257994
Ion Ratio Lower Upper
95 100
174 94.5 0.0 122.0
176 89.1 0.0 117.6

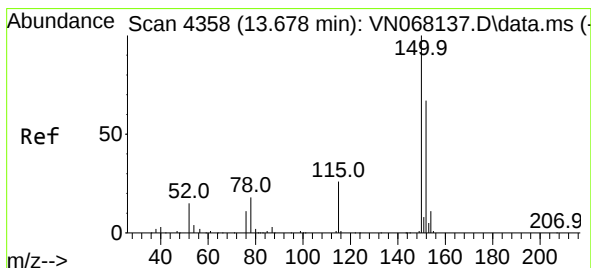
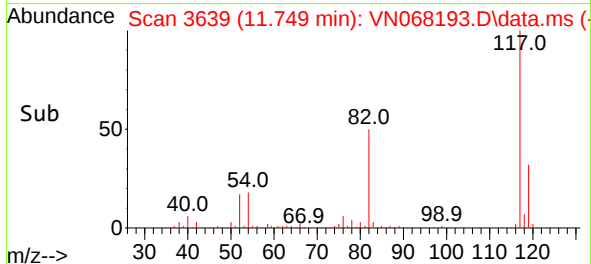
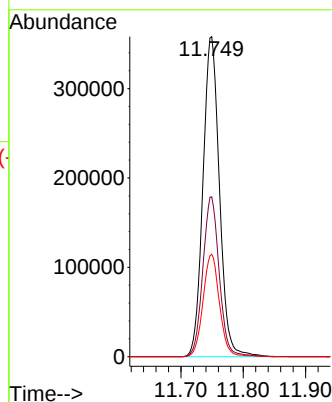
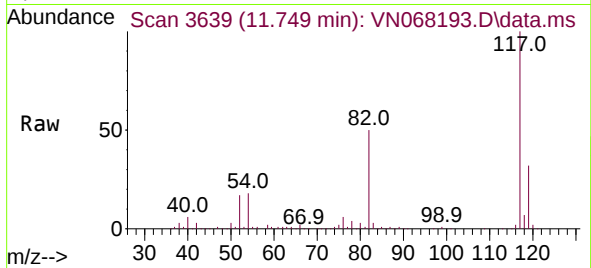




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

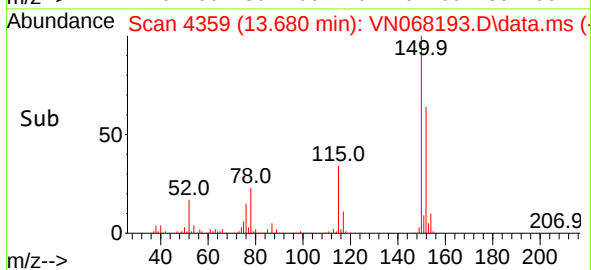
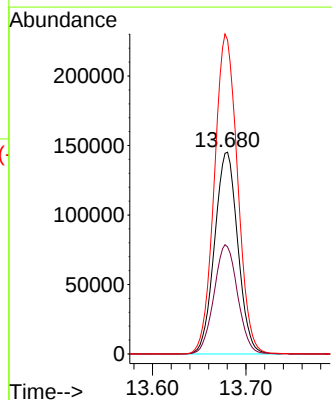
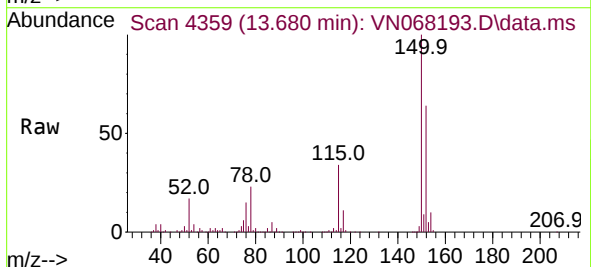
Instrument :
MSVOA_N
ClientSampleId :

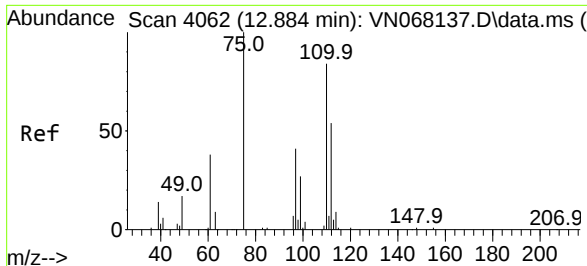
Tgt Ion:117 Resp: 658785
Ion Ratio Lower Upper
117 100
82 49.9 53.1 79.7#
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.002 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

Tgt Ion:152 Resp: 251301
Ion Ratio Lower Upper
152 100
115 55.0 36.1 108.5
150 158.3 0.0 351.8

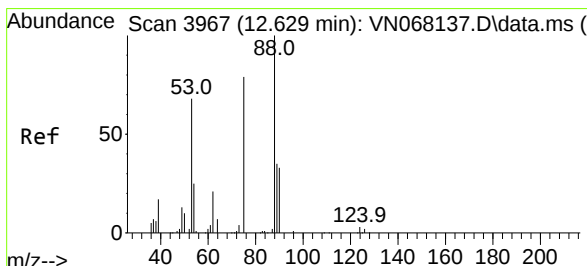
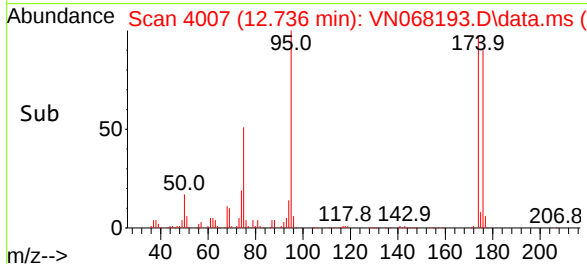
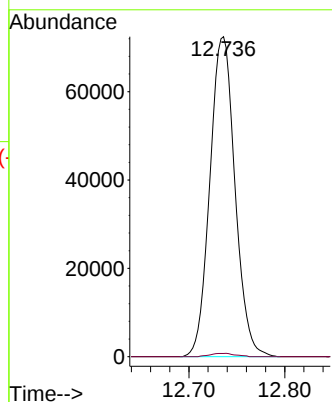
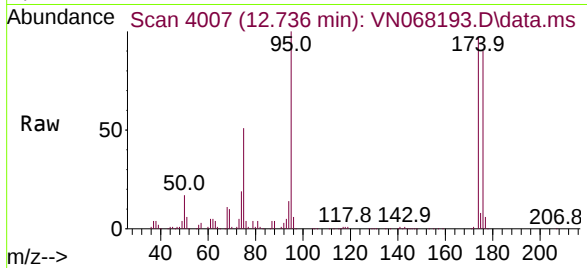




#76
1,2,3-Trichloropropane
Concen: 31.560 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

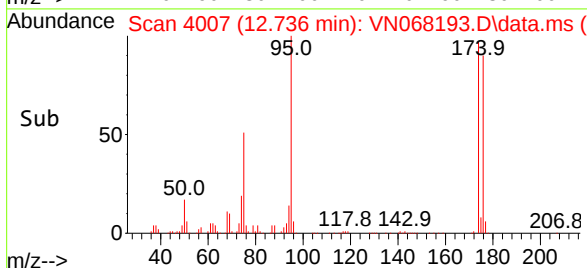
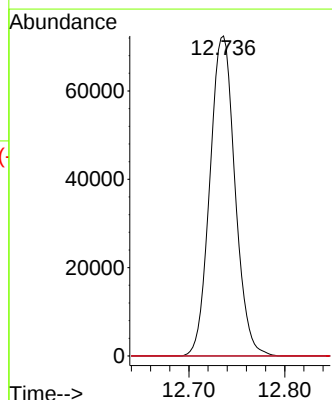
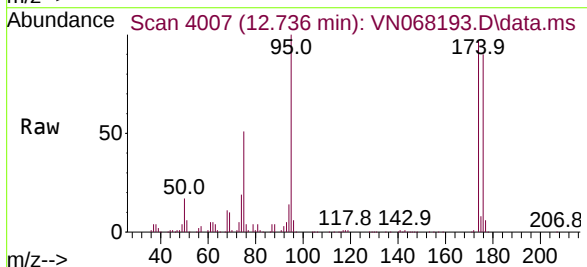
Instrument :
MSVOA_N
ClientSampled :

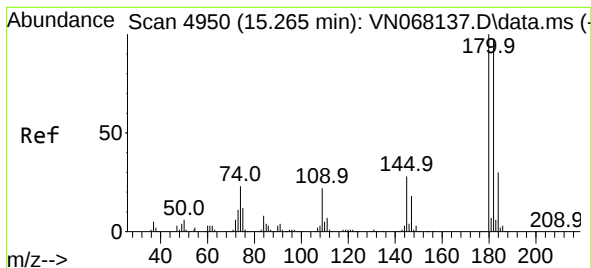
Tgt Ion: 75 Resp: 131824
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.397 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

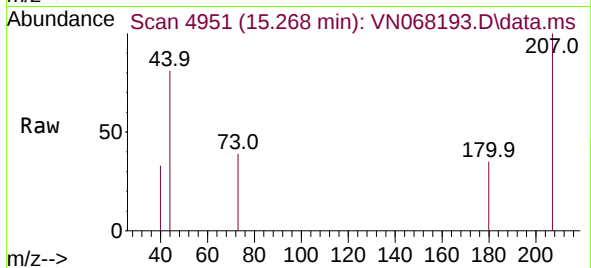
Tgt Ion: 75 Resp: 131824
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



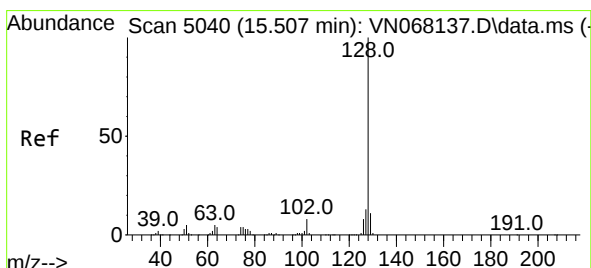
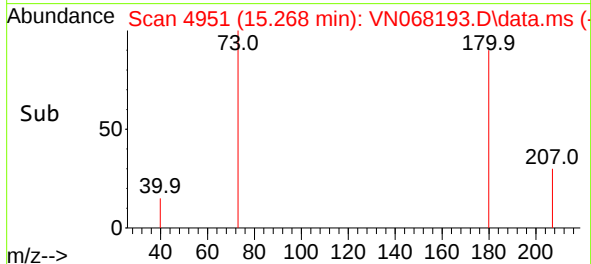
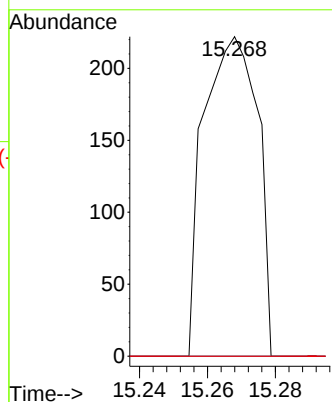


#93
1,2,4-Trichlorobenzene
Concen: 2.740 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

Instrument :
MSVOA_N
ClientSampled :

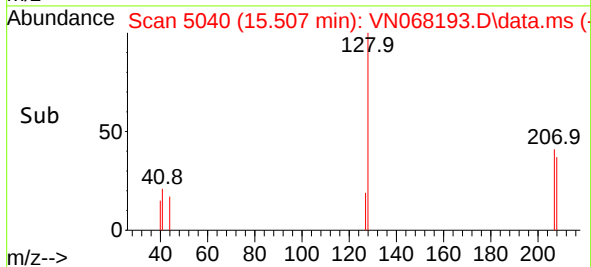
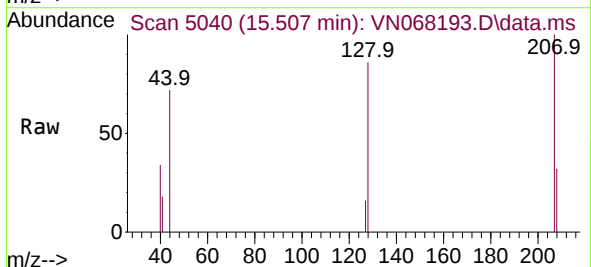
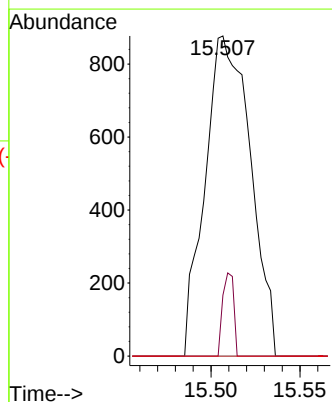


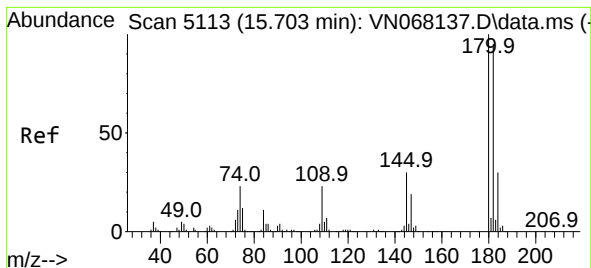
Tgt Ion:180 Resp: 244
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.492 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068193.D
Acq: 18 Aug 2021 15:10

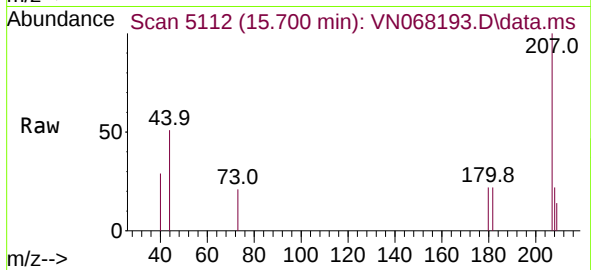
Tgt Ion:128 Resp: 1559
Ion Ratio Lower Upper
128 100
127 6.4 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.888 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.003 min
 Lab File: VN068193.D
 Acq: 18 Aug 2021 15:10

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:180 Resp: 239
 Ion Ratio Lower Upper
 180 100
 182 120.9 47.8 143.3
 145 0.0 18.2 54.6#

