

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082021\
 Data File : VN068244.D
 Acq On : 20 Aug 2021 14:47
 Operator : JC/MD
 Sample : M3509-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Aug 20 23:58:34 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)

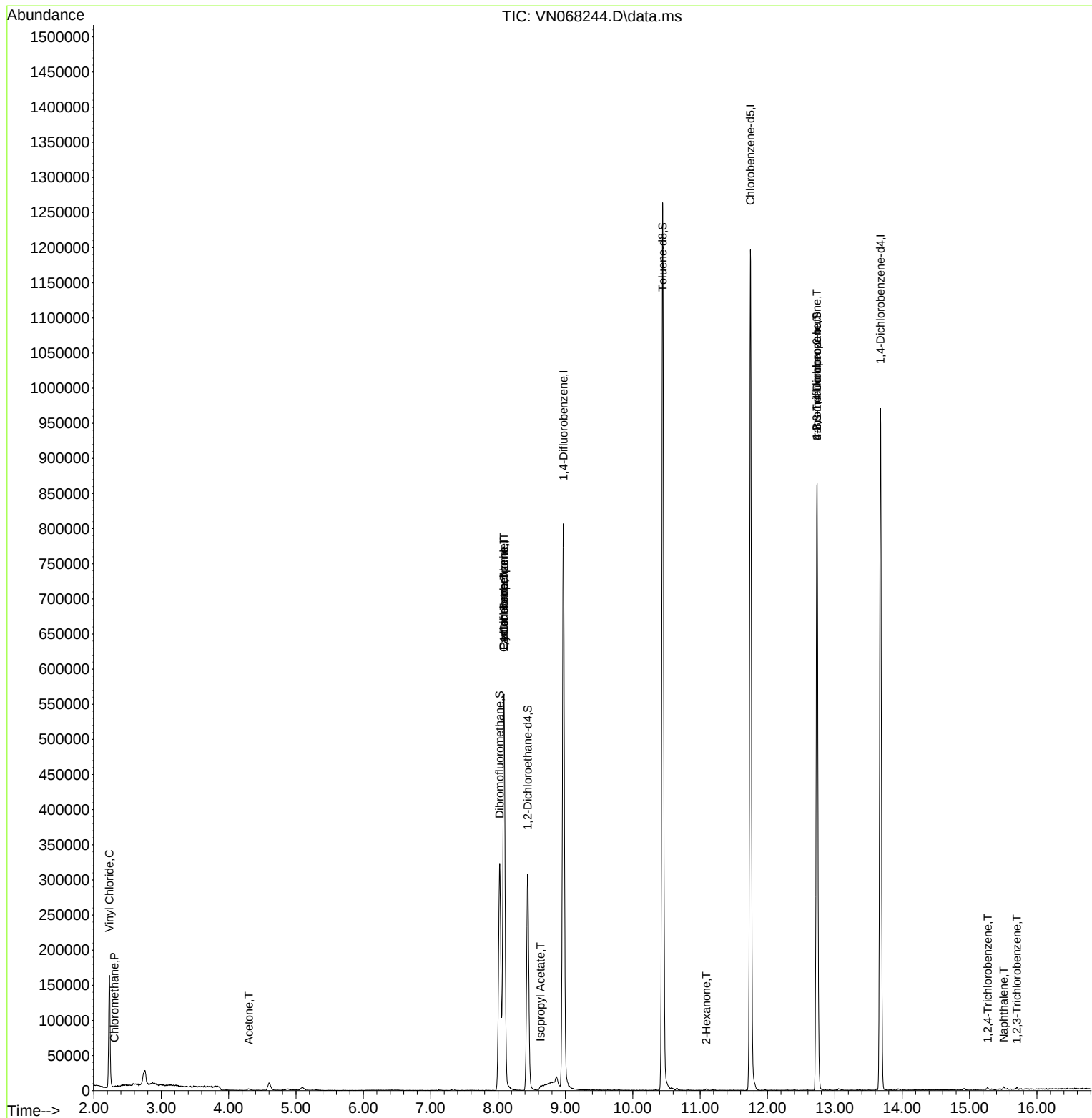
Internal Standards						
1) Pentafluorobenzene	8.088	168	463168	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	776457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	779704	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	296139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	256527	51.872	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.740%	
35) Dibromofluoromethane	8.024	113	237104	48.639	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.280%	
50) Toluene-d8	10.443	98	928970	50.013	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.020%	
62) 4-Bromofluorobenzene	12.733	95	300627	48.618	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	1310	0.316	ug/l	# 80
4) Vinyl Chloride	2.231	62	2326	0.358	ug/l	# 50
5) Bromomethane	2.818	94	94	Below Cal	#	4
6) Chloroethane	3.017	64	25	Below Cal	#	44
13) Acrolein	4.041	56	109	Below Cal	#	14
16) Acetone	4.299	43	3056	2.116	ug/l	93
18) Methyl Acetate	4.851	43	1045	Below Cal	#	83
20) Methylene Chloride	5.095	84	2929	Below Cal	#	79
31) Cyclohexane	8.088	56	8327	1.278	ug/l	# 6
36) 1,1-Dichloropropene	8.086	75	29877	4.707	ug/l	# 53
38) Carbon Tetrachloride	8.086	117	42945	5.866	ug/l	# 18
43) Isopropyl Acetate	8.630	43	2785	0.322	ug/l	# 58
59) 2-Hexanone	11.089	43	1388	0.376	ug/l	96
76) 1,2,3-Trichloropropane	12.733	75	151412	30.761	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	151412	100.780	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.271	180	1193	2.914	ug/l	# 61
95) Naphthalene	15.507	128	4286	3.688	ug/l	# 84
96) 1,2,3-Trichlorobenzene	15.702	180	1258	3.084	ug/l	66

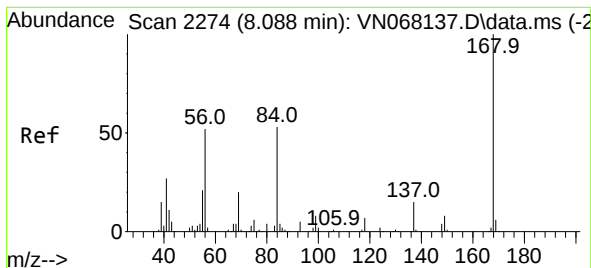
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

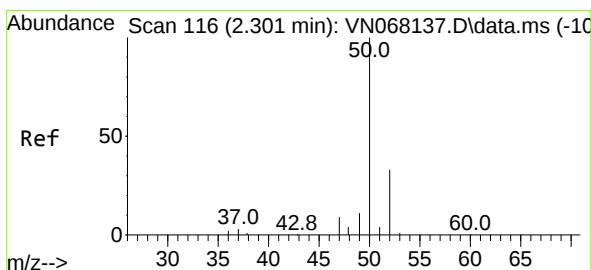
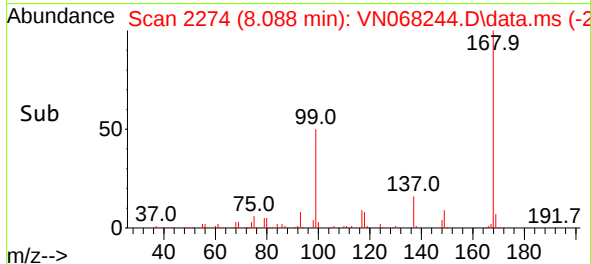
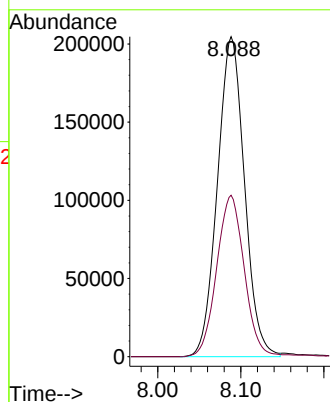
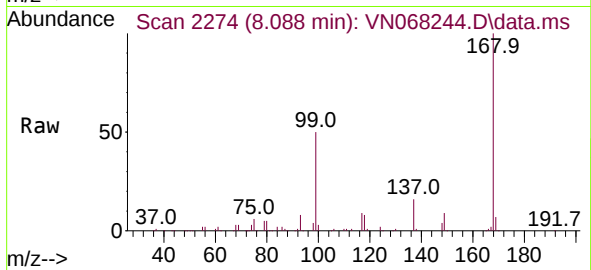
Lab File: VN068244.D

Acq: 20 Aug 2021 14:47

Tgt Ion:168 Resp: 463168

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
168	100		
99	50.4	62.9	94.3#



#3

Chloromethane

Concen: 0.316 ug/l

RT: 2.303 min Scan# 117

Delta R.T. 0.002 min

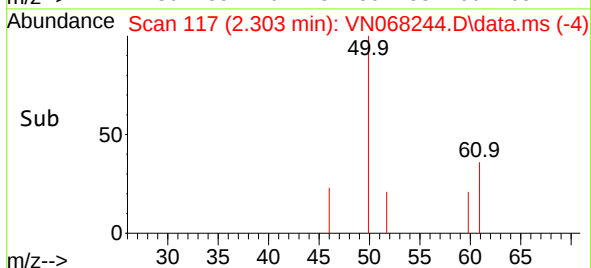
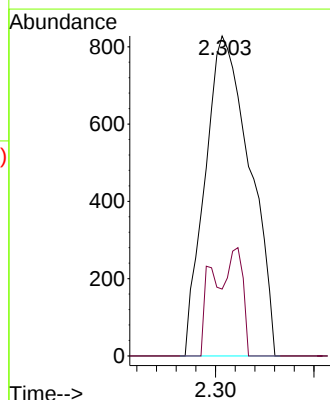
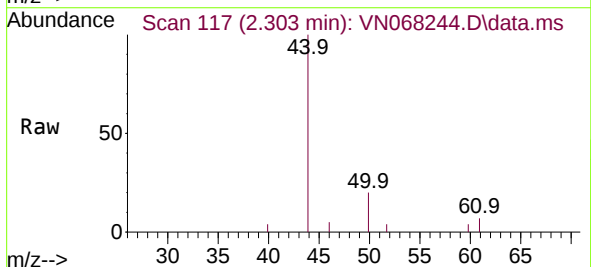
Lab File: VN068244.D

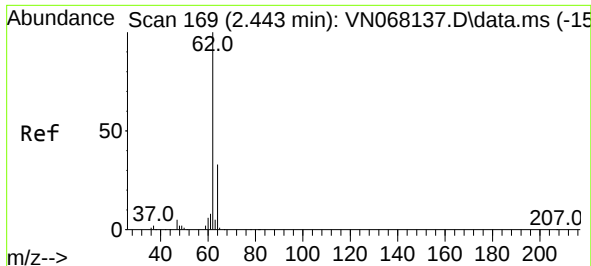
Acq: 20 Aug 2021 14:47

Tgt Ion: 50 Resp: 1310

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
50	100		
52	20.9	25.6	38.4#

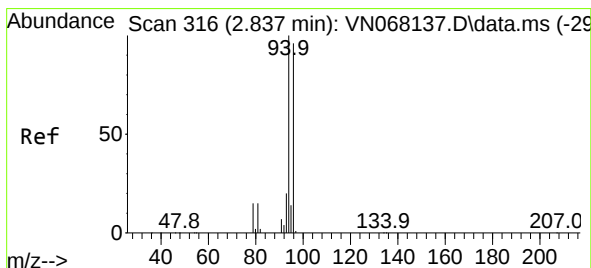
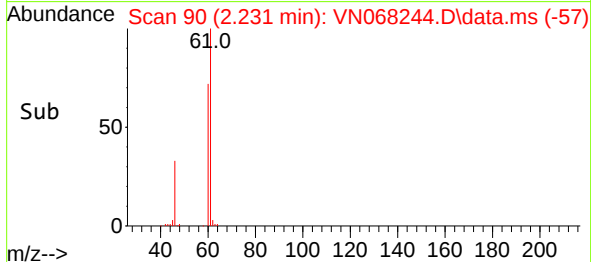
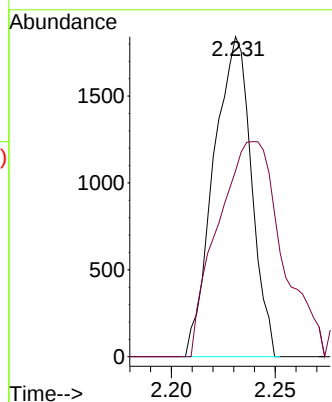
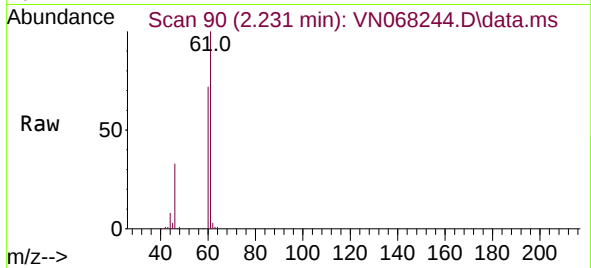




#4
 Vinyl Chloride
 Concen: 0.358 ug/l
 RT: 2.231 min Scan# 90
 Delta R.T. -0.212 min
 Lab File: VN068244.D
 Acq: 20 Aug 2021 14:47

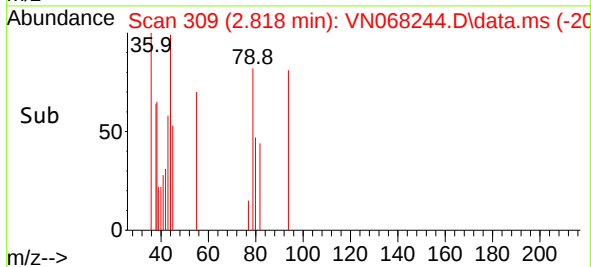
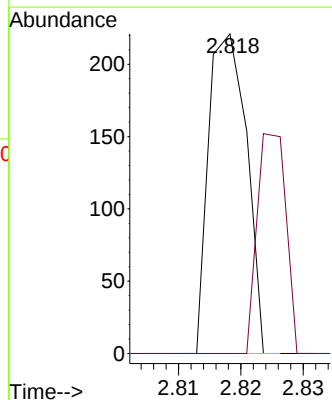
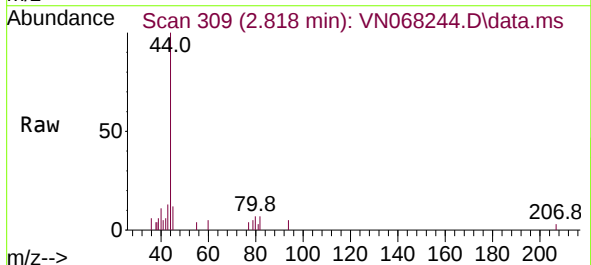
Instrument :
 MSVOA_N
 ClientSampled :
 TB

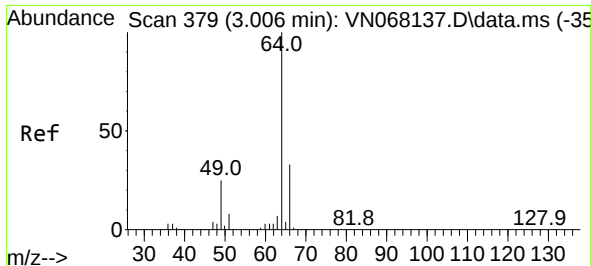
Tgt Ion: 62 Resp: 2326
 Ion Ratio Lower Upper
 62 100
 64 58.0 24.4 36.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.818 min Scan# 309
 Delta R.T. -0.019 min
 Lab File: VN068244.D
 Acq: 20 Aug 2021 14:47

Tgt Ion: 94 Resp: 94
 Ion Ratio Lower Upper
 94 100
 96 0.0 73.7 110.5#

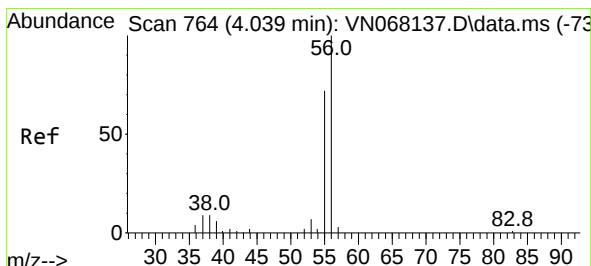
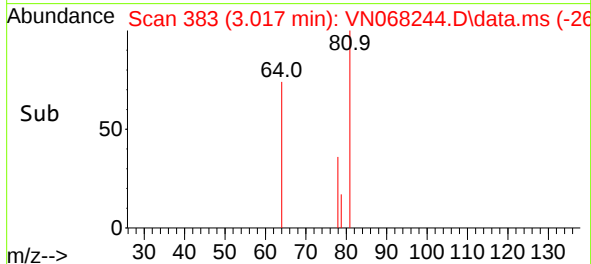
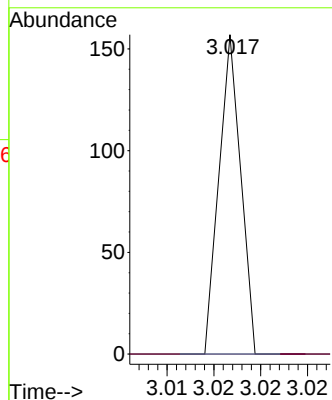
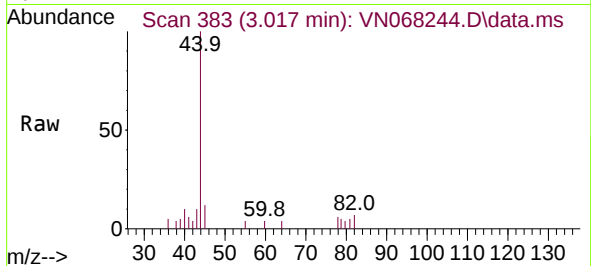




#6
Chloroethane
Concen: Below Cal
RT: 3.017 min Scan# 383
Delta R.T. 0.011 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

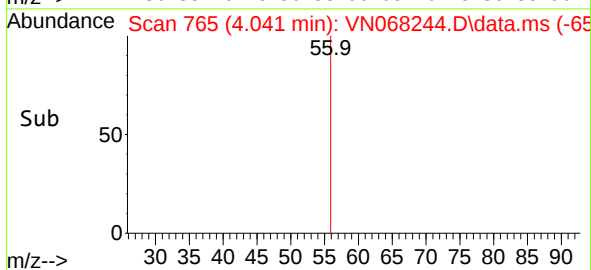
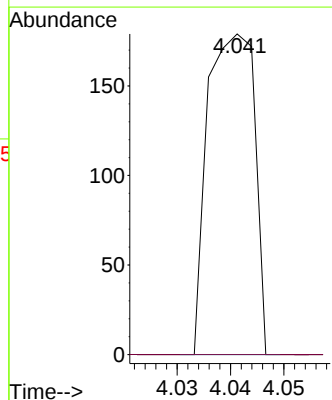
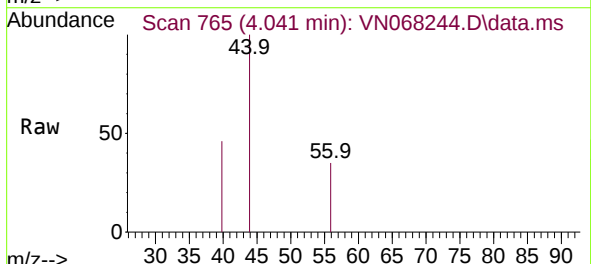
Instrument :
MSVOA_N
ClientSampled :
TB

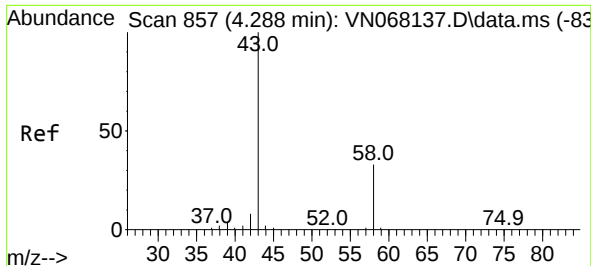
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

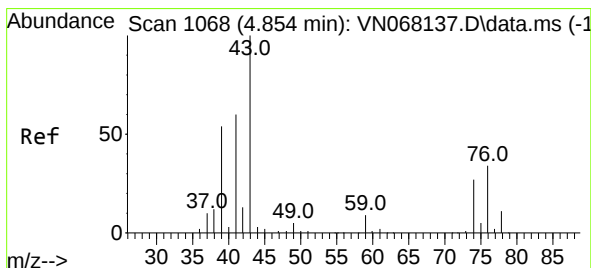
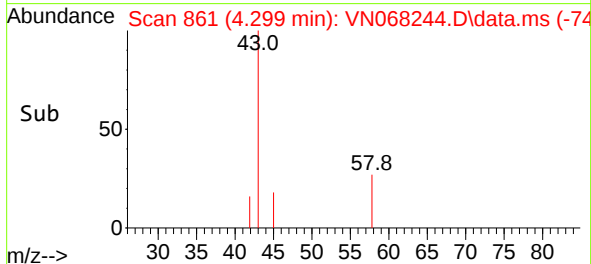
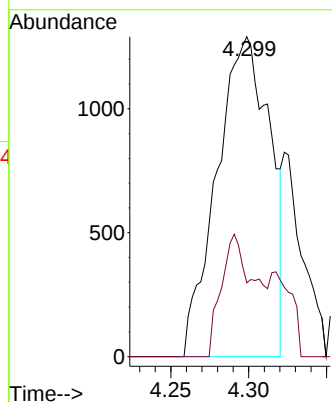
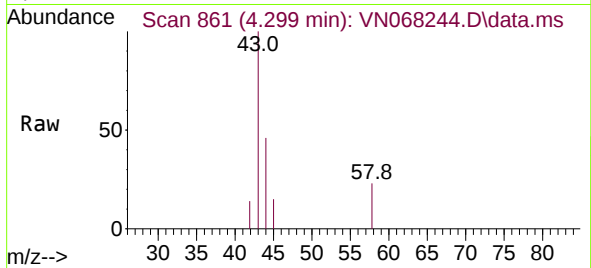




#16
Acetone
Concen: 2.116 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

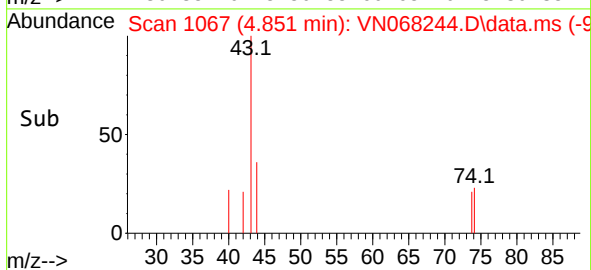
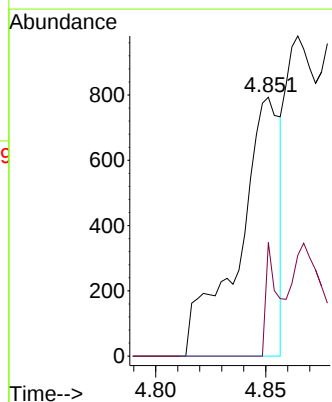
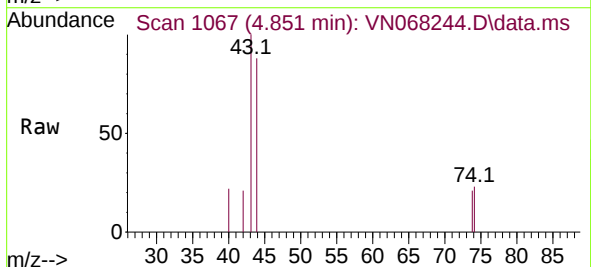
Instrument :
MSVOA_N
ClientSampled :
TB

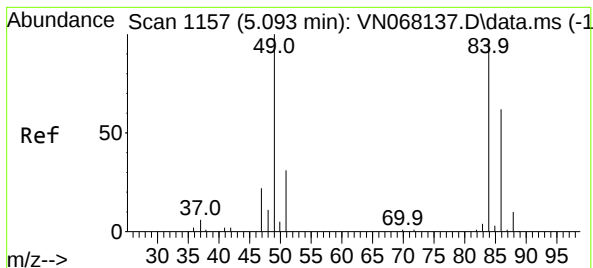
Tgt Ion: 43 Resp: 3056
Ion Ratio Lower Upper
43 100
58 23.1 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 1067
Delta R.T. -0.003 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
74 13.9 17.4 26.0#

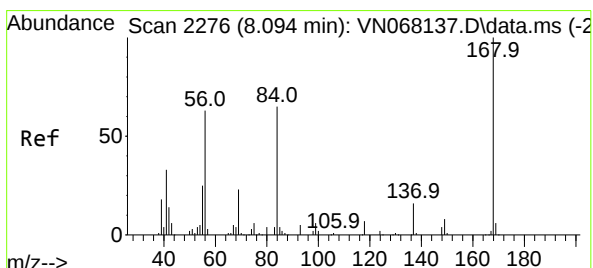
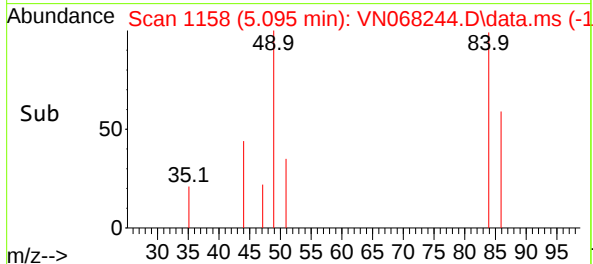
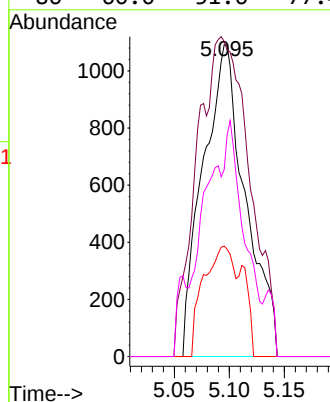
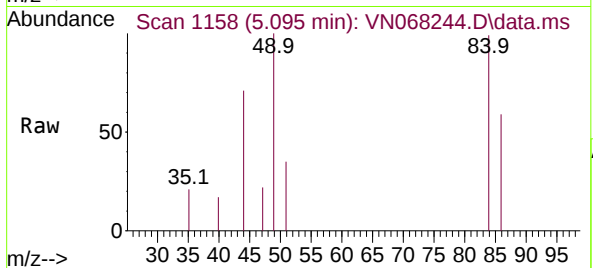




#20
Methylene Chloride
Concen: Below Cal
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

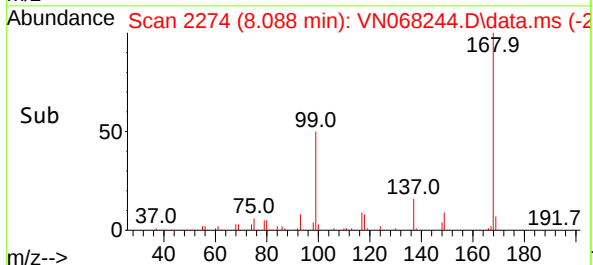
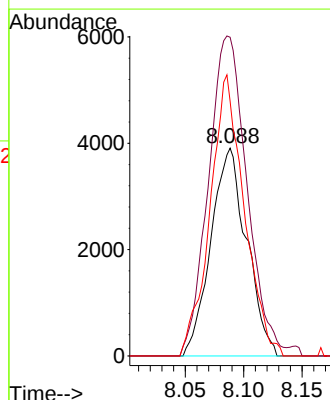
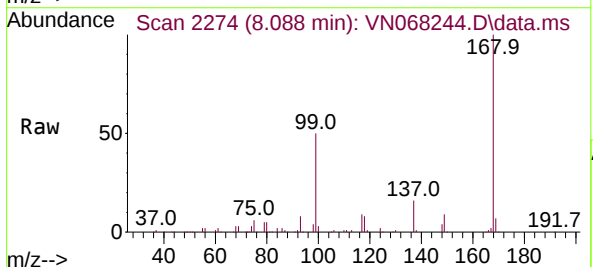
Instrument :
MSVOA_N
ClientSampled :
TB

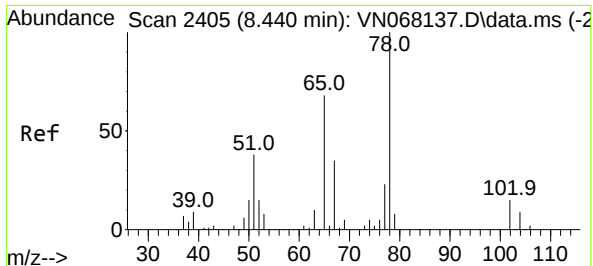
Tgt Ion:	84	Resp:	2929
Ion	Ratio	Lower	Upper
84	100		
49	101.0	110.9	166.3#
51	35.4	32.6	49.0
86	60.0	51.6	77.4



#31
Cyclohexane
Concen: 1.278 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

Tgt Ion:	56	Resp:	8327
Ion	Ratio	Lower	Upper
56	100		
69	153.3	27.3	40.9#
84	122.6	64.9	97.3#

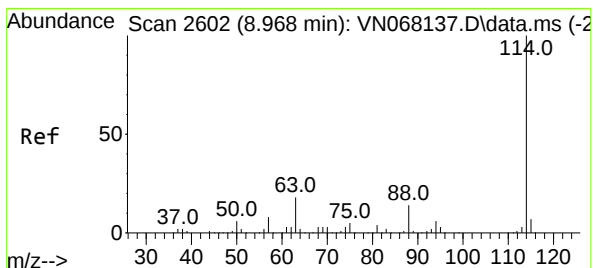
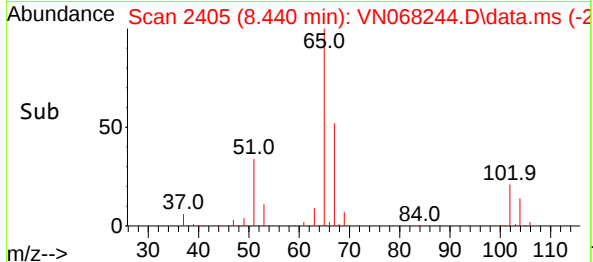
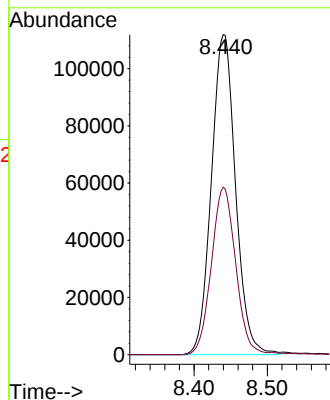
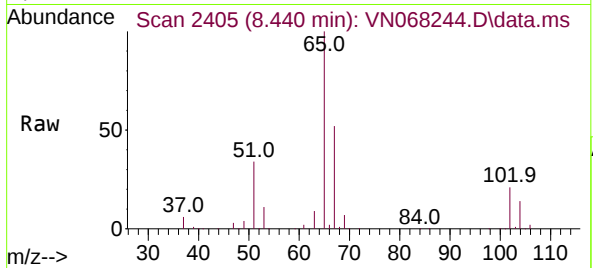




#33
1,2-Dichloroethane-d4
Concen: 51.872 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

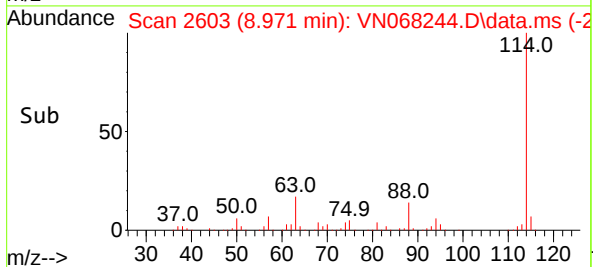
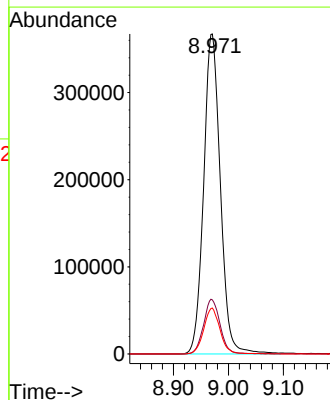
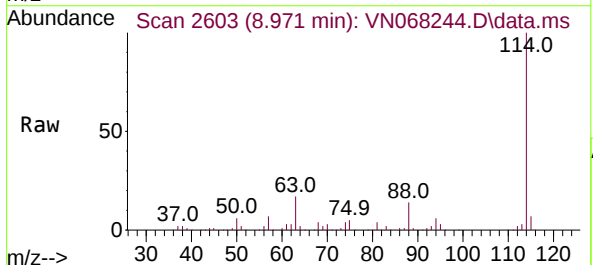
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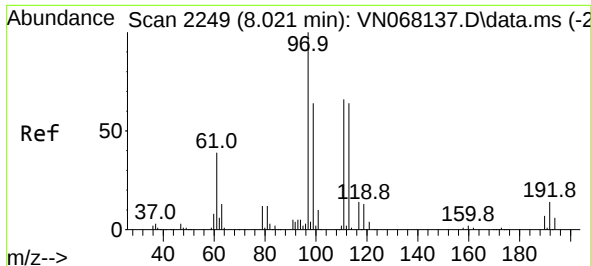
Tgt Ion: 65 Resp: 256527
Ion Ratio Lower Upper
65 100
67 52.4 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

Tgt Ion: 114 Resp: 776457
Ion Ratio Lower Upper
114 100
63 16.9 0.0 49.0
88 14.4 0.0 36.6

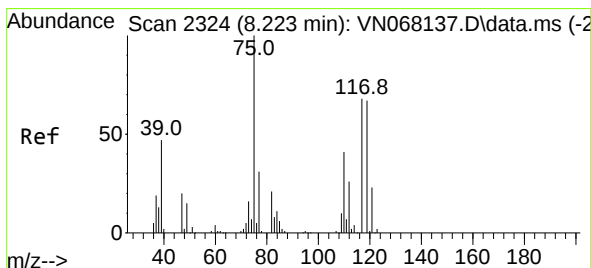
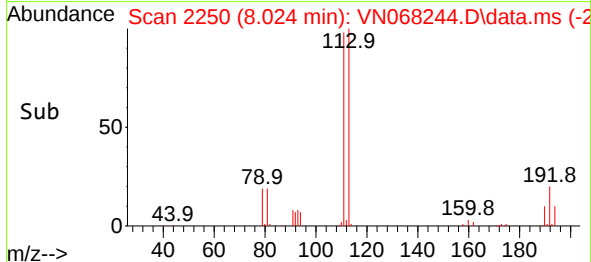
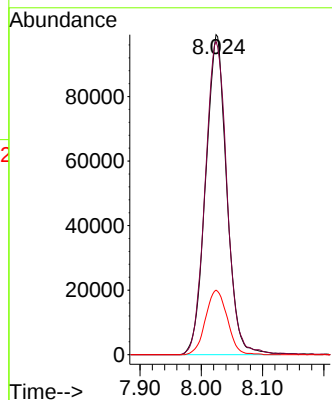
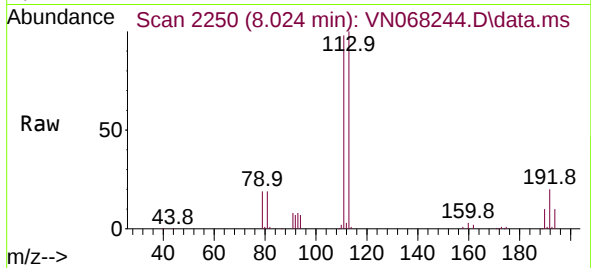




#35
Dibromofluoromethane
Concen: 48.639 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

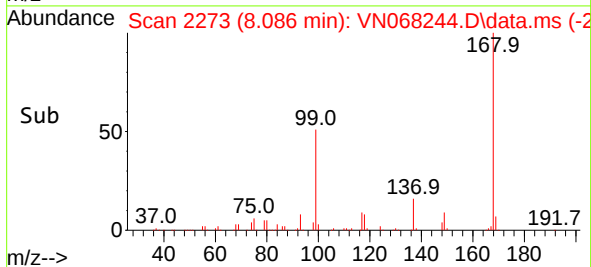
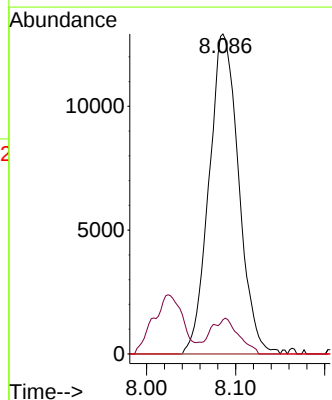
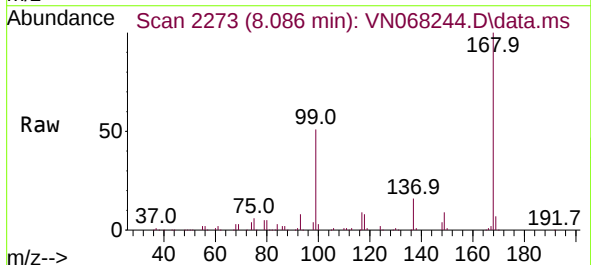
Instrument :
MSVOA_N
ClientSampled :
TB

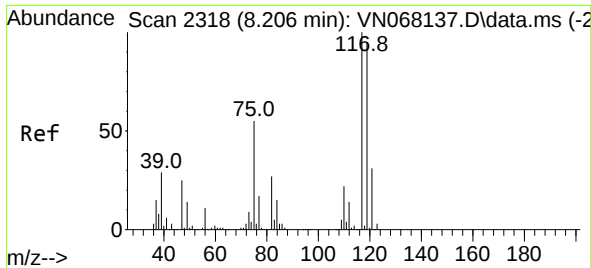
Tgt Ion:113 Resp: 237104
Ion Ratio Lower Upper
113 100
111 101.2 83.8 125.8
192 20.8 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.707 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

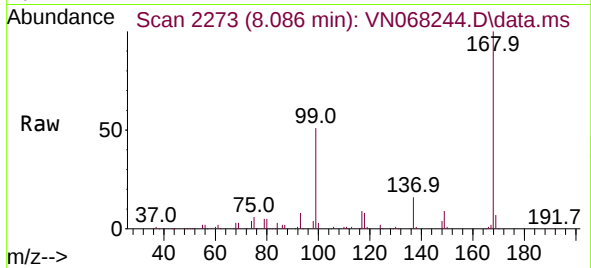
Tgt Ion: 75 Resp: 29877
Ion Ratio Lower Upper
75 100
110 10.4 15.7 47.0#
77 0.0 24.6 37.0#



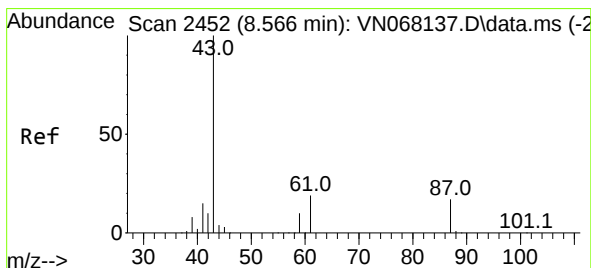
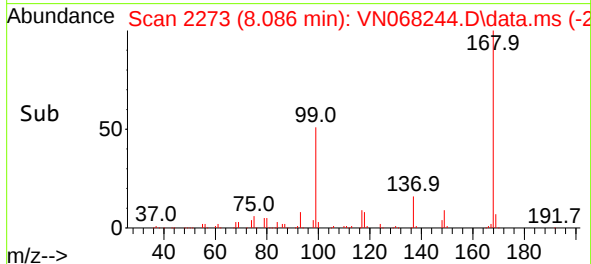
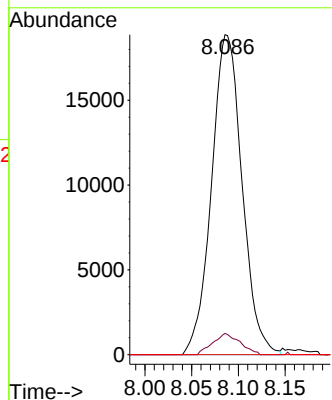


#38
Carbon Tetrachloride
Concen: 5.866 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

Instrument :
MSVOA_N
ClientSampled :
TB

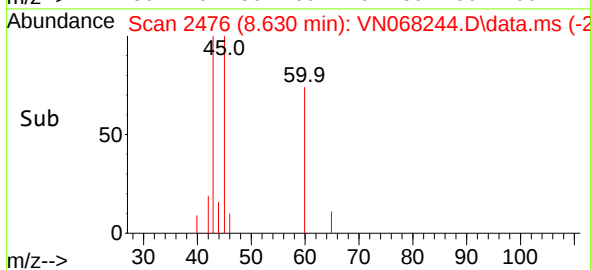
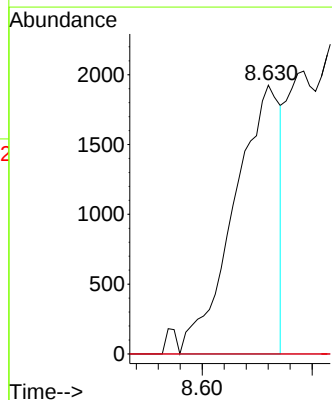
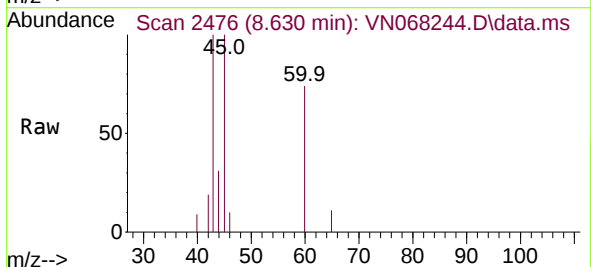


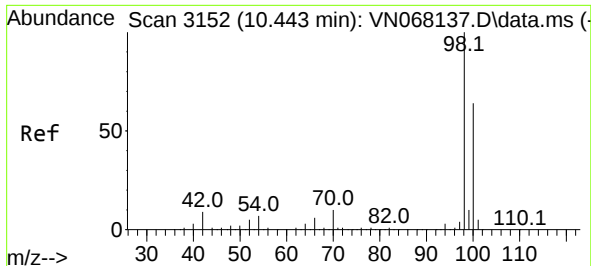
Tgt Ion:117 Resp: 42945
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.322 ug/l
RT: 8.630 min Scan# 2476
Delta R.T. 0.064 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

Tgt Ion: 43 Resp: 2785
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

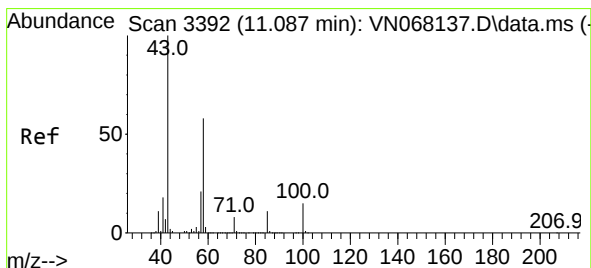
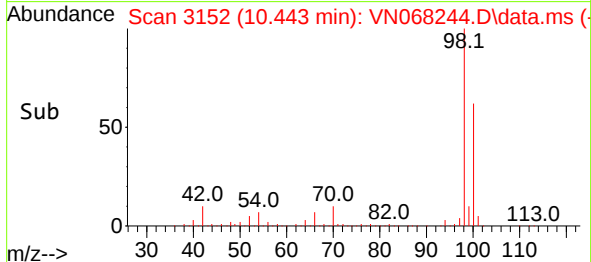
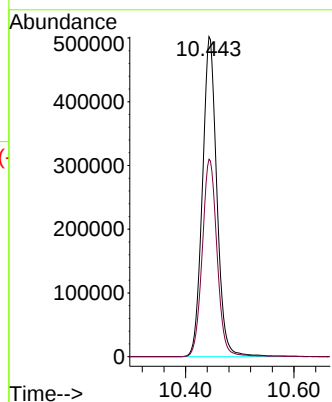
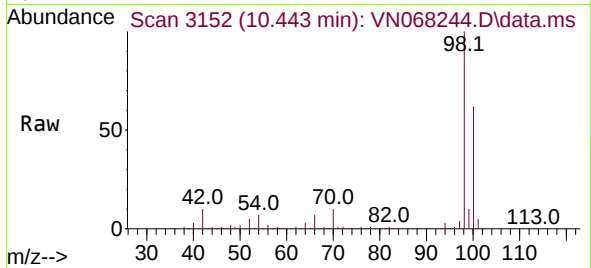




#50
Toluene-d8
Concen: 50.013 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

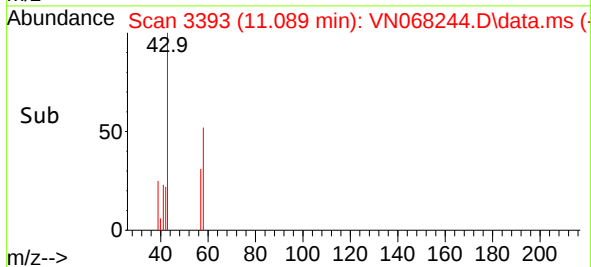
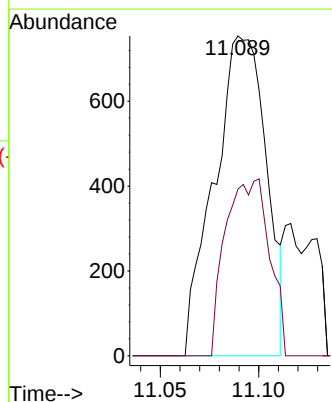
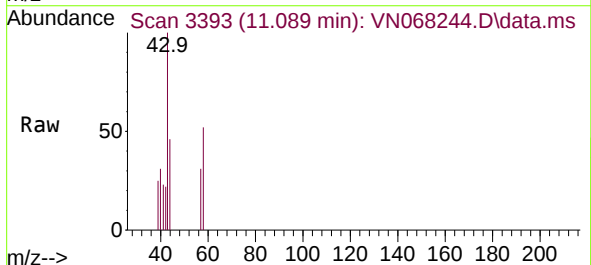
Instrument :
MSVOA_N
ClientSampled :
TB

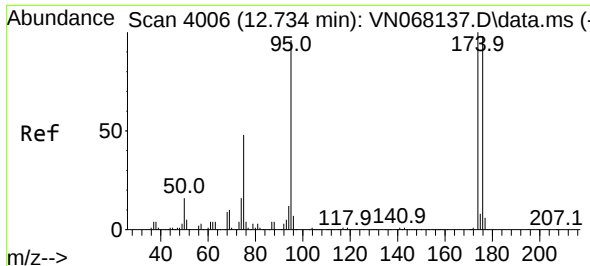
Tgt Ion: 98 Resp: 928970
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#59
2-Hexanone
Concen: 0.376 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

Tgt Ion: 43 Resp: 1388
Ion Ratio Lower Upper
43 100
58 46.6 24.7 74.1

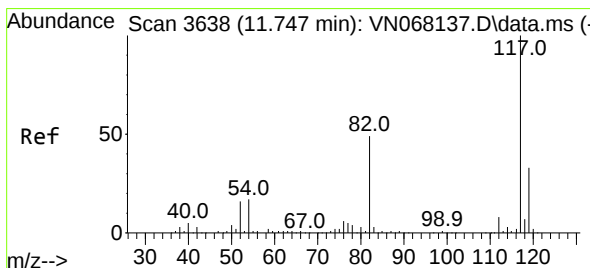
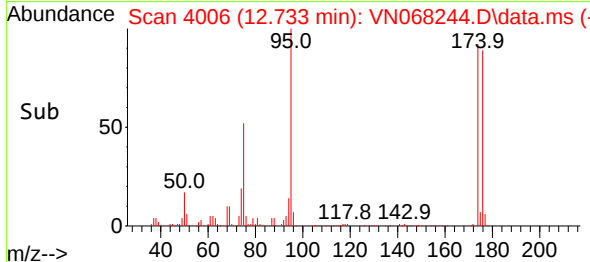
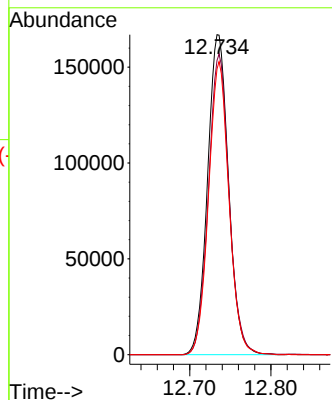
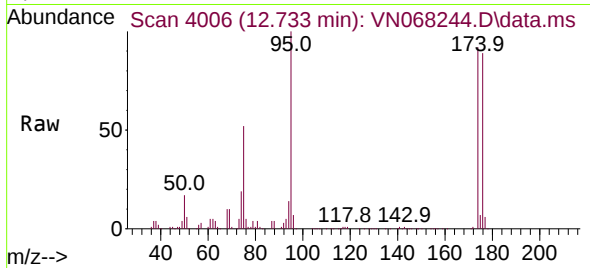




#62
4-Bromofluorobenzene
Concen: 48.618 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

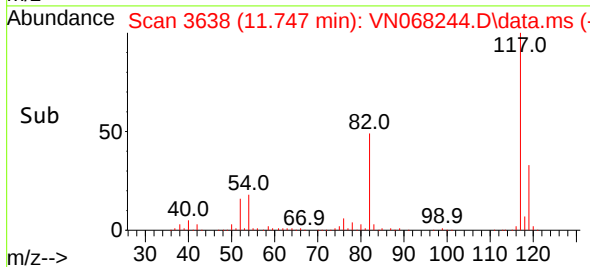
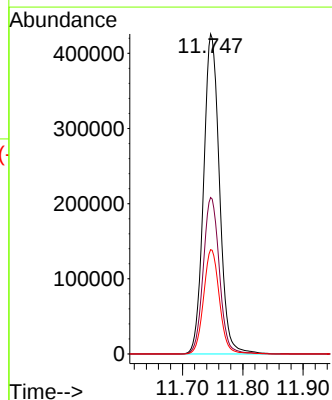
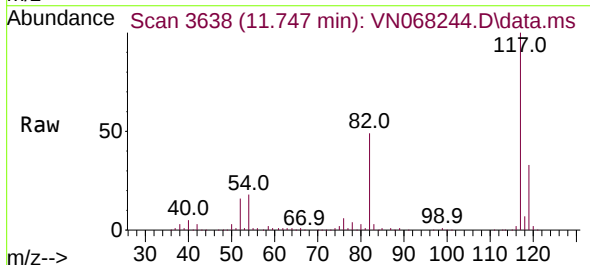
Instrument :
MSVOA_N
ClientSampleId :
TB

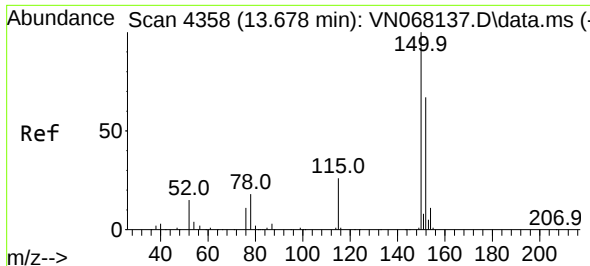
Tgt Ion: 95 Resp: 300627
Ion Ratio Lower Upper
95 100
174 92.5 0.0 122.0
176 88.7 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

Tgt Ion: 117 Resp: 779704
Ion Ratio Lower Upper
117 100
82 48.9 53.1 79.7#
119 32.6 25.5 38.3

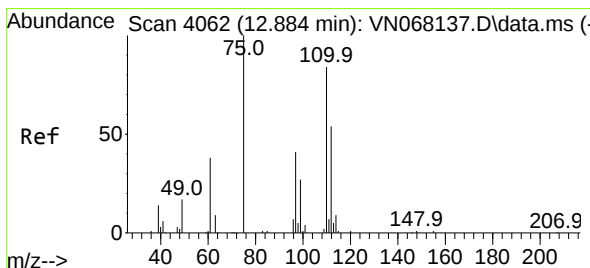
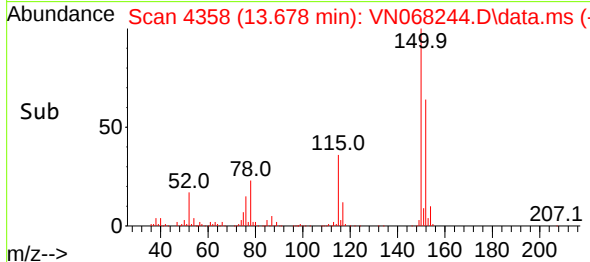
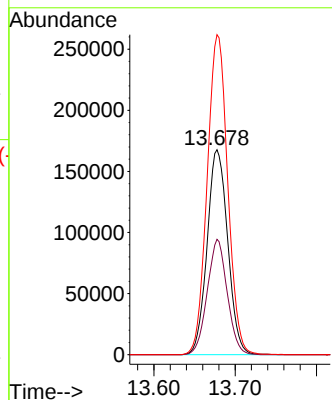
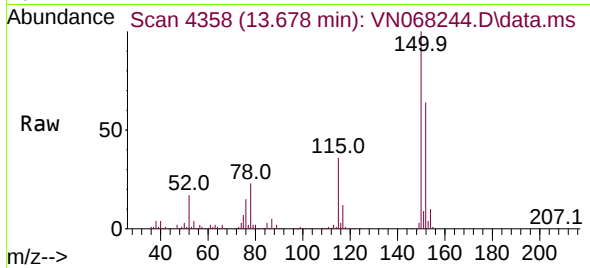




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

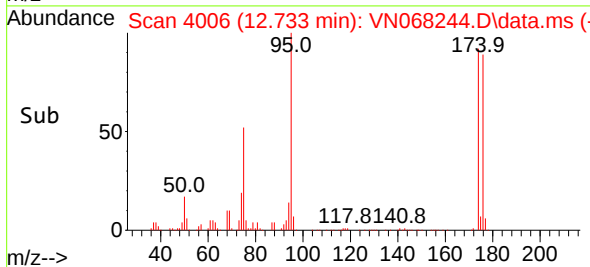
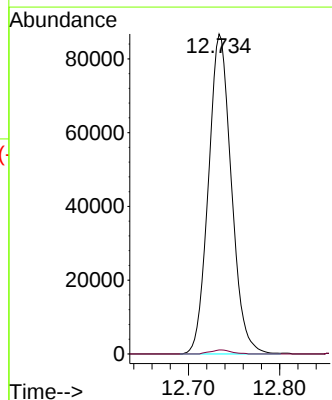
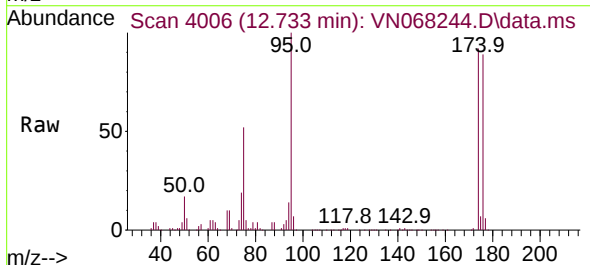
Instrument :
MSVOA_N
ClientSampled :
TB

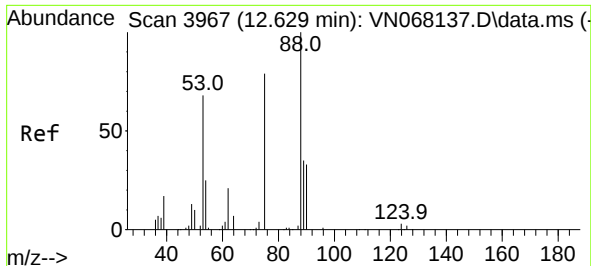
Tgt Ion:152 Resp: 296139
Ion Ratio Lower Upper
152 100
115 54.4 36.1 108.5
150 155.4 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 30.761 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

Tgt Ion: 75 Resp: 151412
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

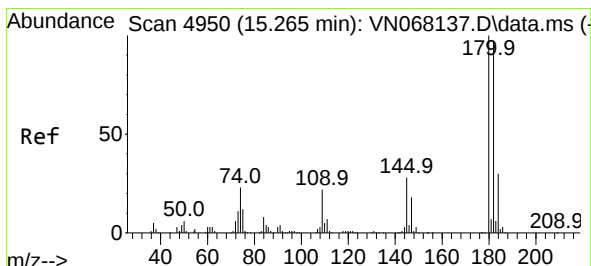
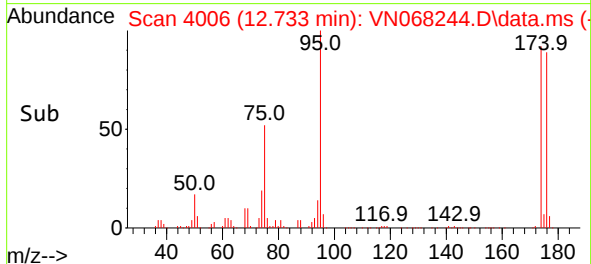
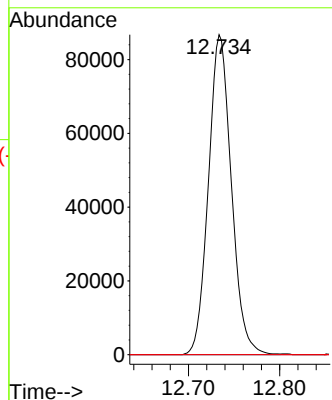
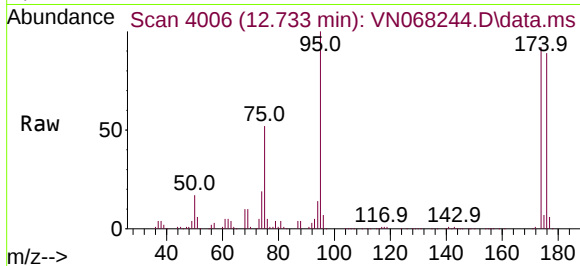




#81
trans-1,4-Dichloro-2-butene
Concen: 100.780 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

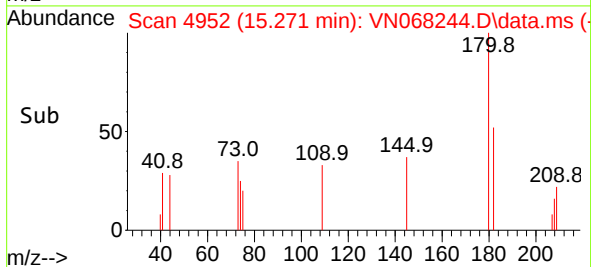
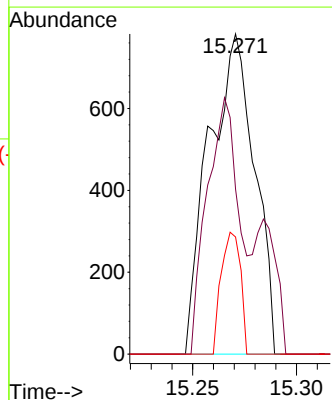
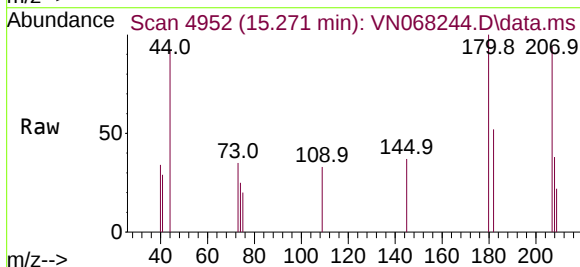
Instrument :
MSVOA_N
ClientSampled :
TB

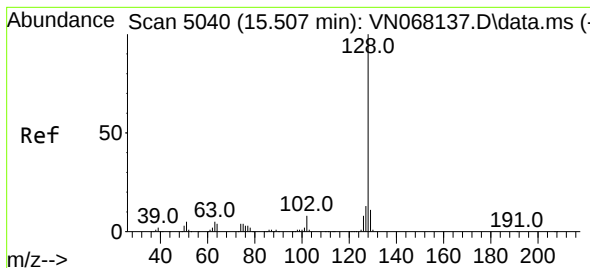
Tgt Ion: 75 Resp: 151412
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.914 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

Tgt Ion:180 Resp: 1193
Ion Ratio Lower Upper
180 100
182 54.9 47.5 142.5
145 16.1 17.2 51.6#

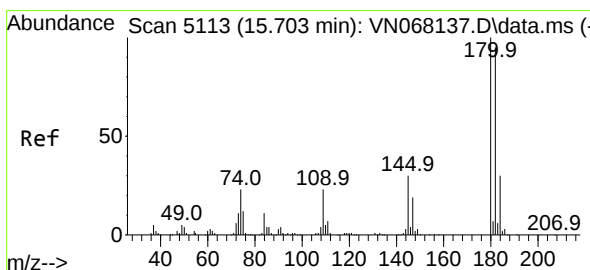
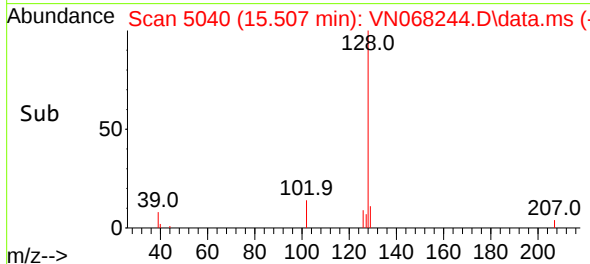
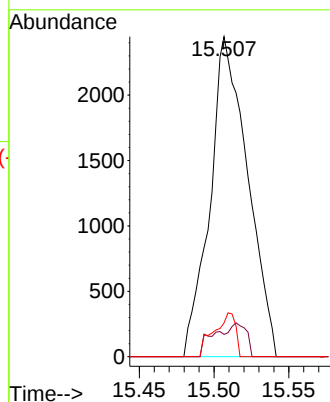
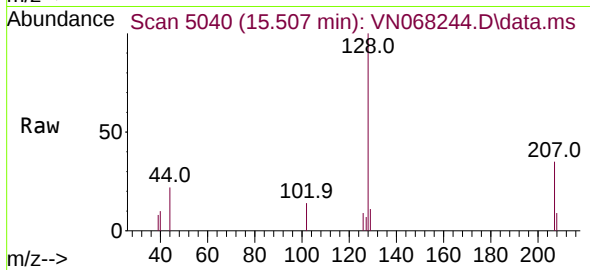




#95
Naphthalene
Concen: 3.688 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

Instrument :
MSVOA_N
ClientSampled :
TB

Tgt Ion:	128	Resp:	4286
Ion	Ratio	Lower	Upper
128	100		
127	3.9	10.6	15.8#
129	7.8	8.6	12.8#



#96
1,2,3-Trichlorobenzene
Concen: 3.084 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.001 min
Lab File: VN068244.D
Acq: 20 Aug 2021 14:47

Tgt Ion:	180	Resp:	1258
Ion	Ratio	Lower	Upper
180	100		
182	59.7	47.8	143.3
145	19.7	18.2	54.6

