

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092121\
 Data File : VN068586.D
 Acq On : 21 Sep 2021 16:52
 Operator : JC/MD
 Sample : M3781-13DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 21 17:55:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

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

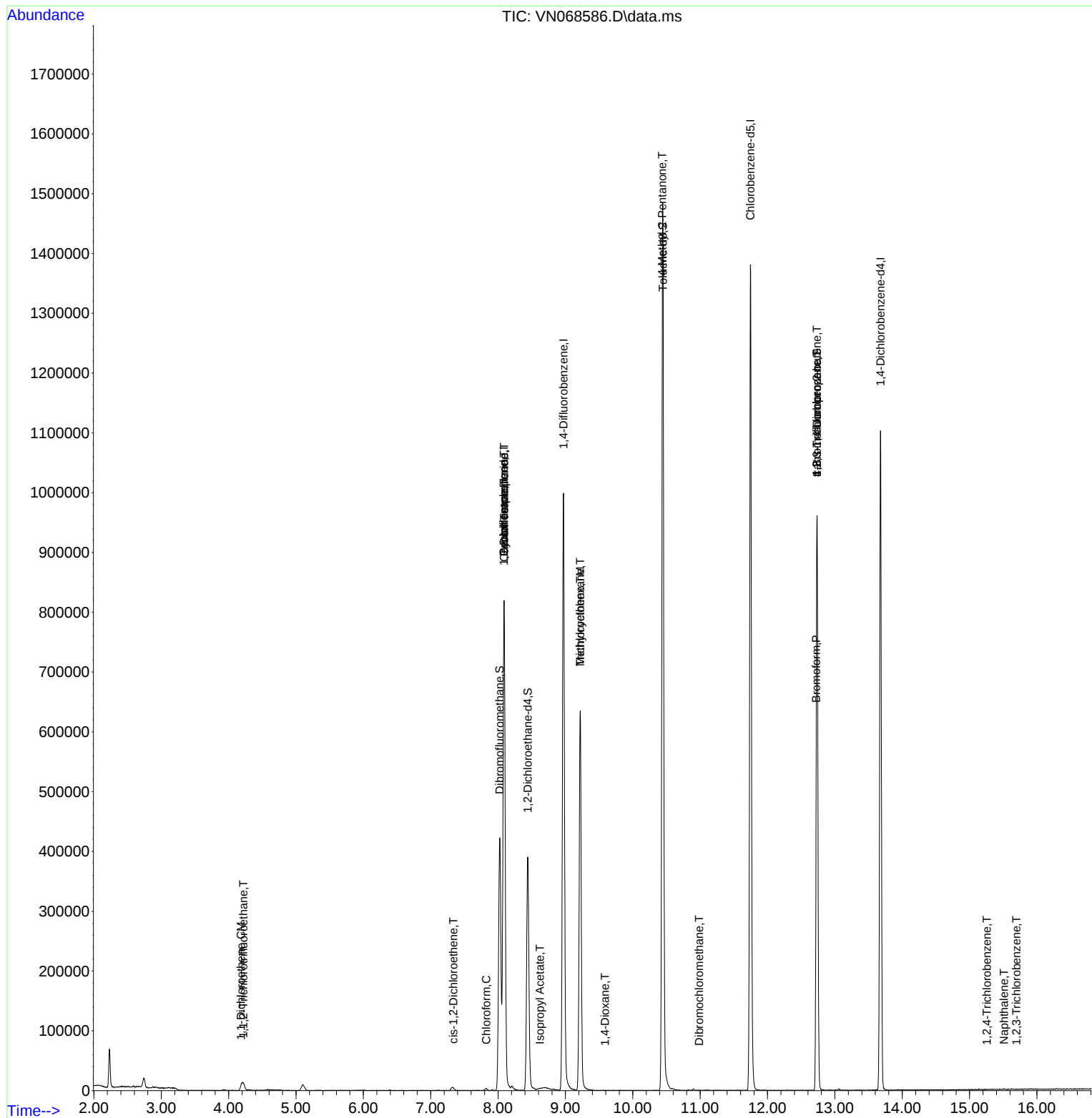
Internal Standards						
1) Pentafluorobenzene	8.088	168	705330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	967663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	893939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	329176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	332308	51.361	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.720%	
35) Dibromofluoromethane	8.024	113	312230	53.498	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 107.000%	
50) Toluene-d8	10.446	98	1144702	47.978	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 95.960%	
62) 4-Bromofluorobenzene	12.734	95	337039	43.321	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 86.640%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	519	Below Cal		91
5) Bromomethane	2.880	94	1418	Below Cal	#	54
9) 1,1,2-Trichlorotrifluo...	4.218	101	7609	1.257	ug/l	95
11) Tert butyl alcohol	5.326	59	95	Below Cal	#	84
12) 1,1-Dichloroethene	4.183	96	4459	0.805	ug/l	# 82
16) Acetone	4.296	43	741	Below Cal		89
18) Methyl Acetate	4.851	43	132	Below Cal	#	45
27) cis-1,2-Dichloroethene	7.337	96	2056	0.277	ug/l	88
30) Chloroform	7.826	83	3922	0.321	ug/l	84
31) Cyclohexane	8.088	56	11440	1.167	ug/l	# 36
36) 1,1-Dichloropropene	8.086	75	43891	5.440	ug/l	# 47
38) Carbon Tetrachloride	8.091	117	63156	6.535	ug/l	# 16
39) Methylcyclohexane	9.220	83	2837	0.278	ug/l	# 1
43) Isopropyl Acetate	8.619	43	2368	0.219	ug/l	# 51
44) Trichloroethene	9.220	130	250394	33.117	ug/l	96
49) 1,4-Dioxane	9.588	88	115	1.109	ug/l	# 75
51) 4-Methyl-2-Pentanone	10.438	43	4114	0.666	ug/l	# 1
60) Dibromochloromethane	10.985	129	118	1.816	ug/l	# 11
71) Bromoform	12.723	173	547	2.602	ug/l	# 1
76) 1,2,3-Trichloropropane	12.734	75	167246	36.653	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.734	75	167246	112.599	ug/l	# 13
93) 1,2,4-Trichlorobenzene	15.257	180	54	2.967	ug/l	# 12
95) Naphthalene	15.512	128	890	3.560	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.697	180	243	3.014	ug/l	# 36

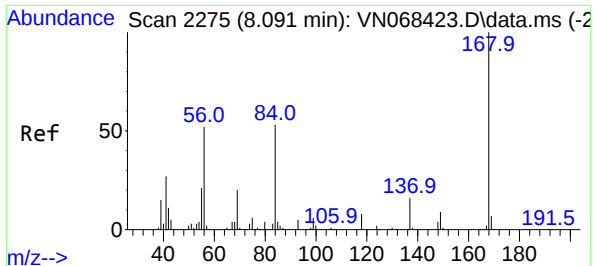
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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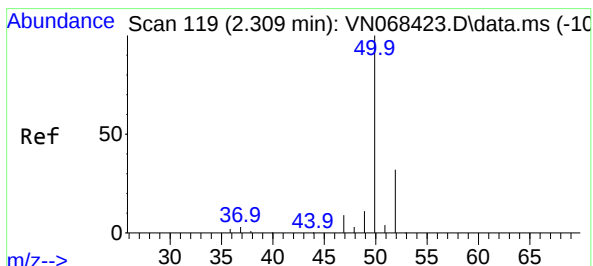
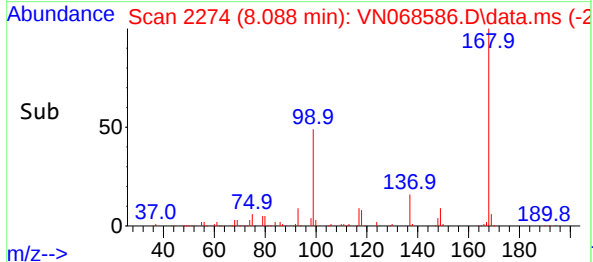
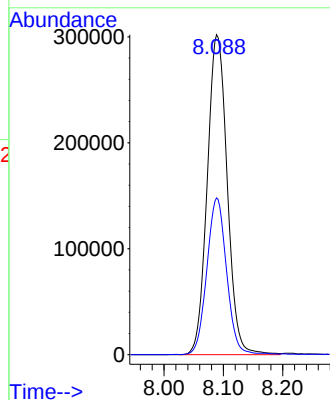
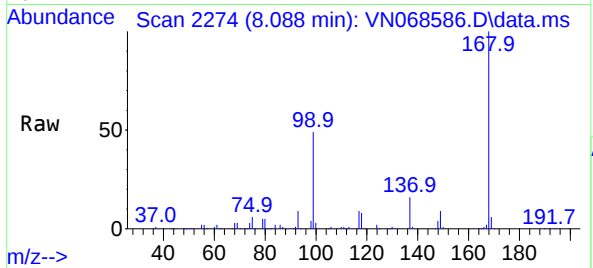




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.003 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

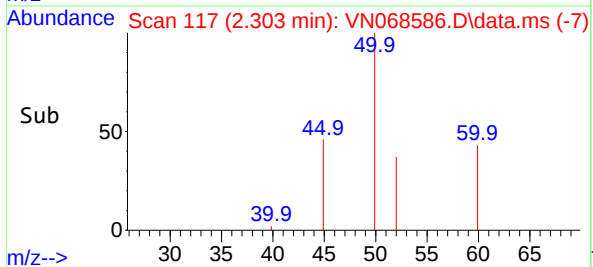
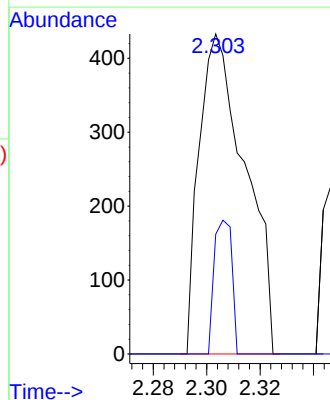
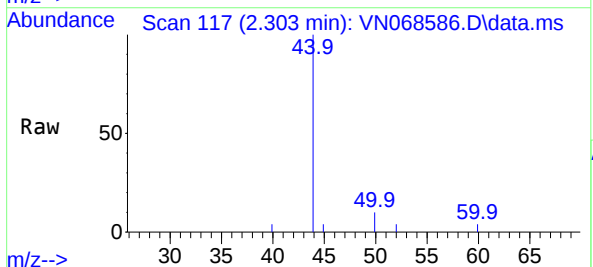
Instrument :
MSVOA_N
ClientSampled :

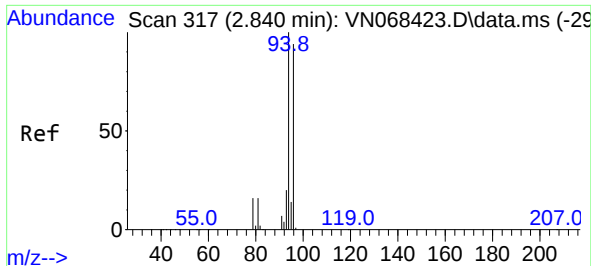
Tgt Ion:168 Resp: 705330
Ion Ratio Lower Upper
168 100
99 48.9 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

Tgt Ion: 50 Resp: 519
Ion Ratio Lower Upper
50 100
52 37.4 25.8 38.6

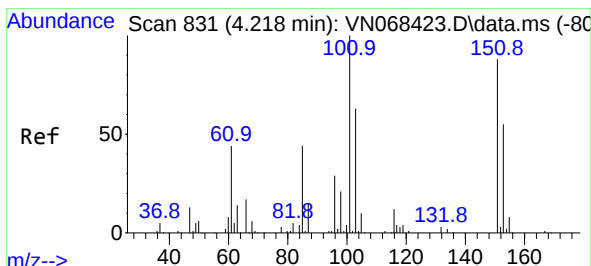
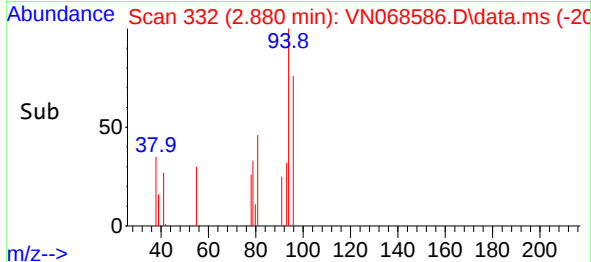
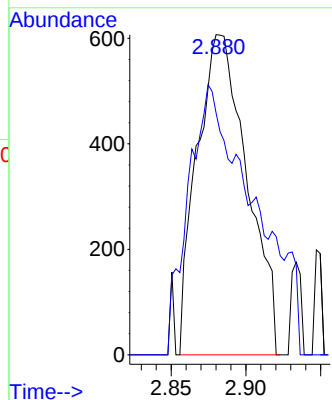
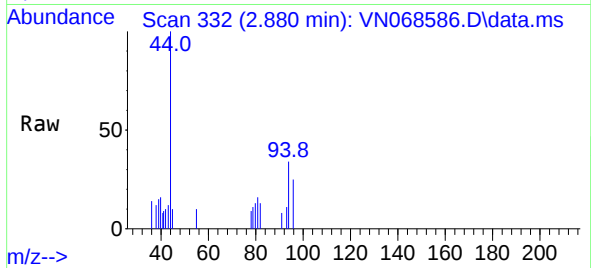




#5
Bromomethane
Concen: Below Cal
RT: 2.880 min Scan# 332
Delta R.T. 0.040 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

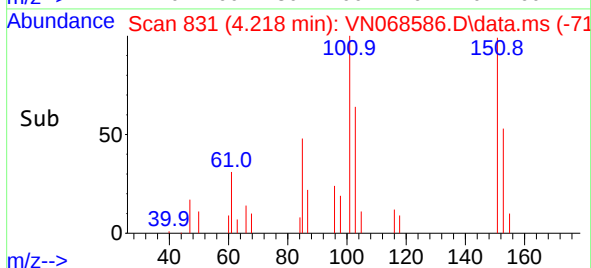
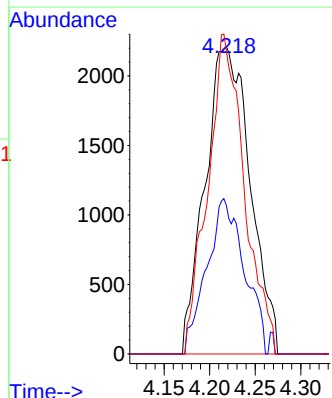
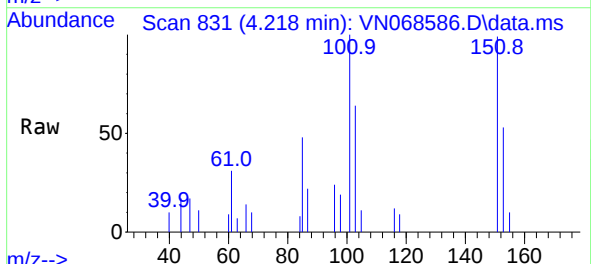
Instrument :
MSVOA_N
ClientSampled :

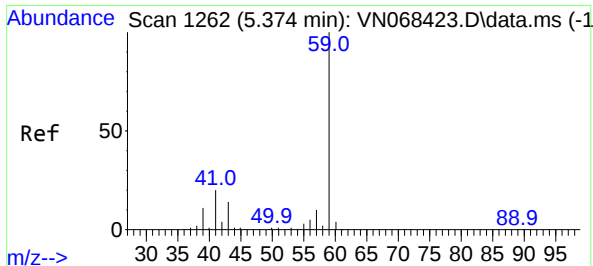
Tgt Ion: 94 Resp: 1418
Ion Ratio Lower Upper
94 100
96 49.9 75.4 113.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.257 ug/l
RT: 4.218 min Scan# 831
Delta R.T. 0.000 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

Tgt Ion:101 Resp: 7609
Ion Ratio Lower Upper
101 100
85 42.3 35.7 53.5
151 84.5 71.6 107.4



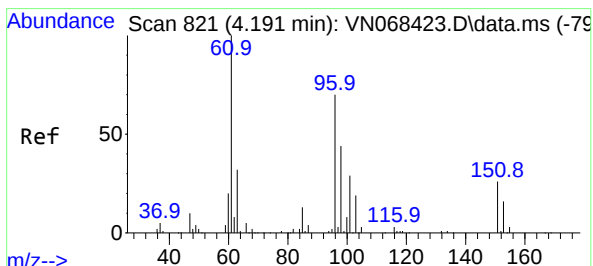
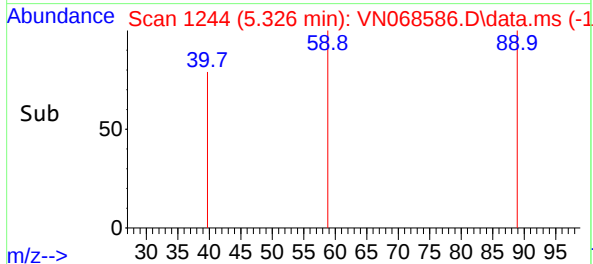
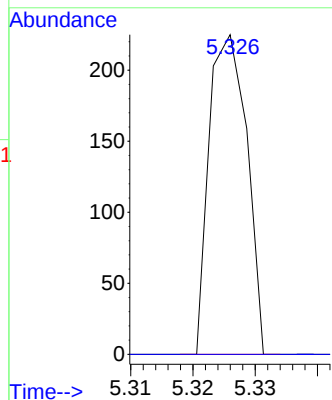
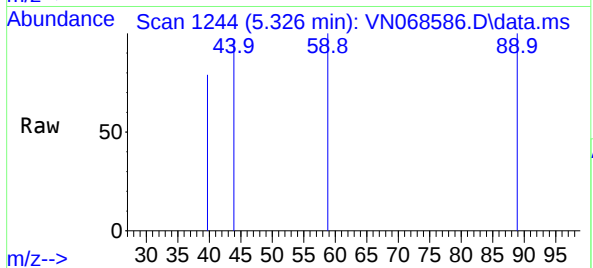


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.326 min Scan# 1244
Delta R.T. -0.048 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

Instrument :
MSVOA_N
ClientSampled :

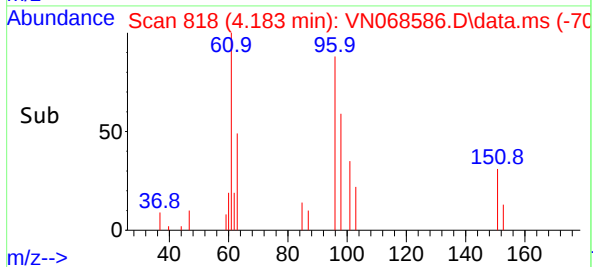
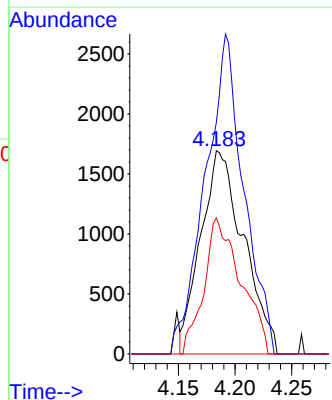
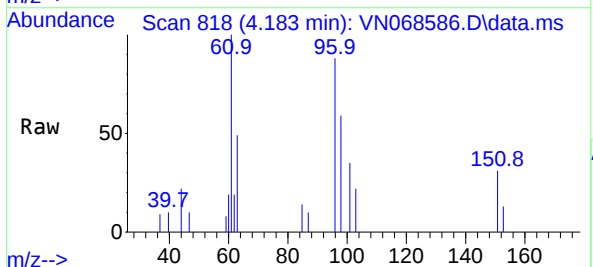
Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

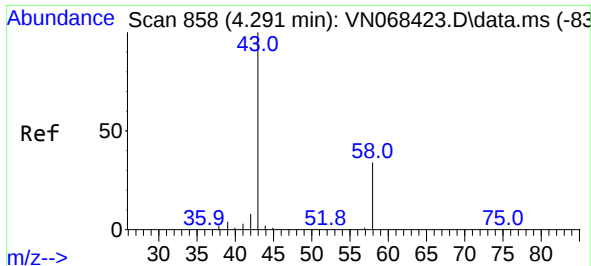


#12

1,1-Dichloroethene
Concen: 0.805 ug/l
RT: 4.183 min Scan# 818
Delta R.T. -0.008 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

Tgt Ion: 96 Resp: 4459
Ion Ratio Lower Upper
96 100
61 113.9 114.7 172.1#
98 66.9 50.9 76.3

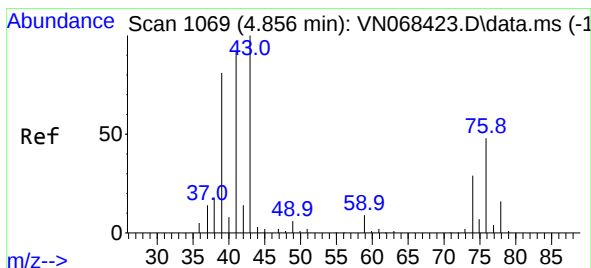
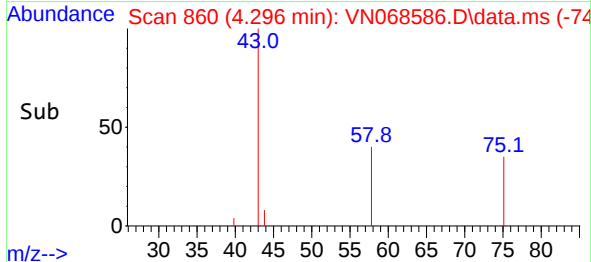
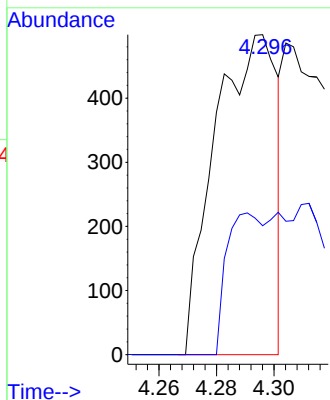
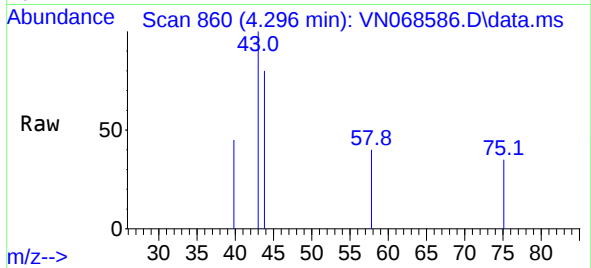




#16
Acetone
Concen: Below Cal
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

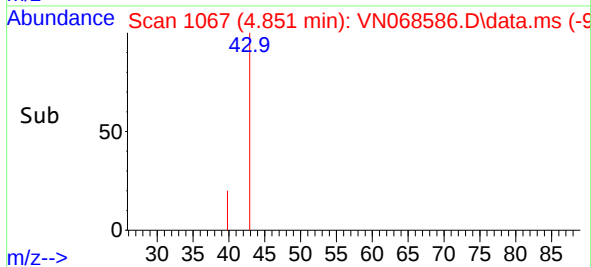
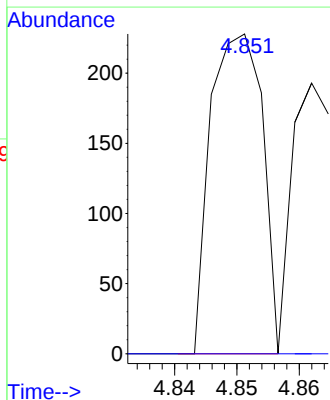
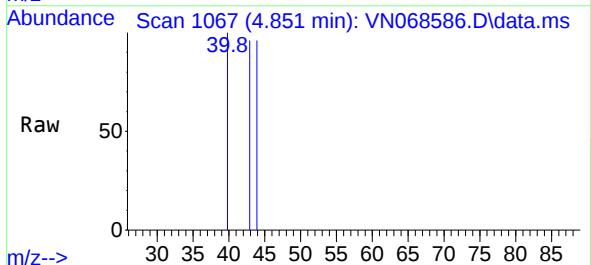
Instrument :
MSVOA_N
ClientSampled :

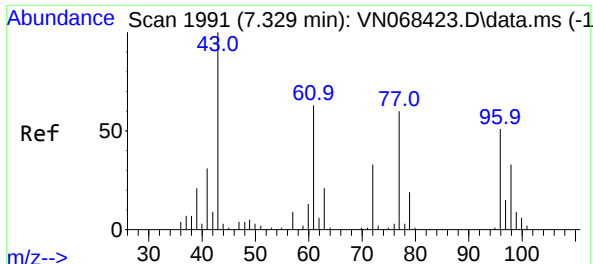
Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
58 40.3 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 1067
Delta R.T. -0.005 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

Tgt Ion: 43 Resp: 132
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#

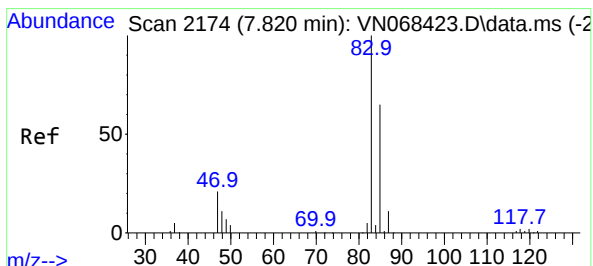
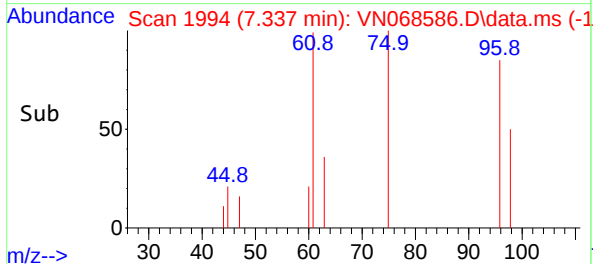
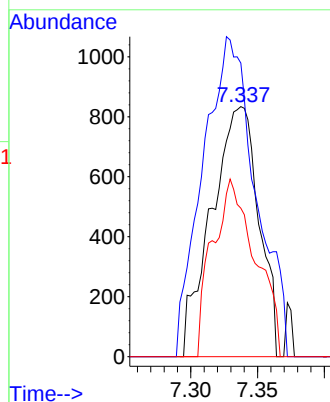
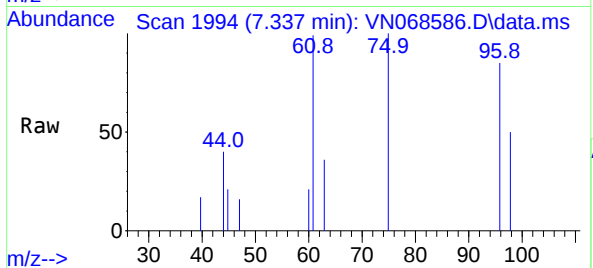




#27
cis-1,2-Dichloroethene
Concen: 0.277 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.008 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

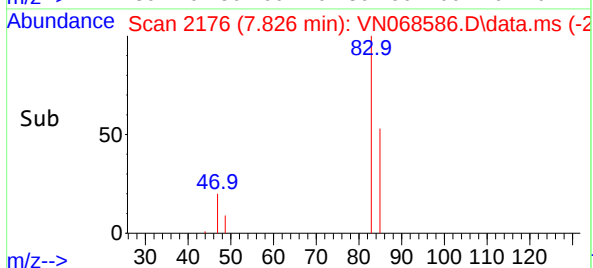
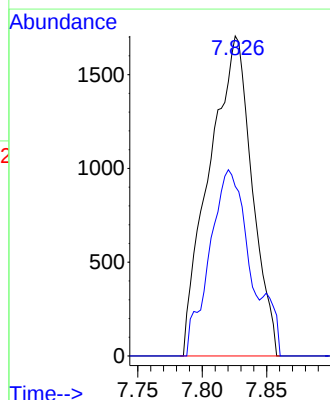
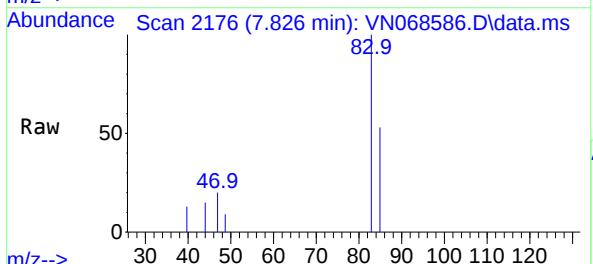
Instrument :
MSVOA_N
ClientSampled :

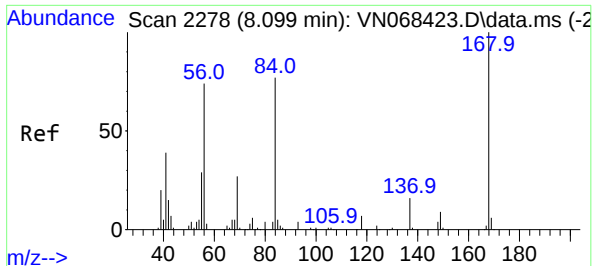
Tgt Ion: 96 Resp: 2056
Ion Ratio Lower Upper
96 100
61 143.3 0.0 246.4
98 64.5 0.0 130.4



#30
Chloroform
Concen: 0.321 ug/l
RT: 7.826 min Scan# 2176
Delta R.T. 0.006 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

Tgt Ion: 83 Resp: 3922
Ion Ratio Lower Upper
83 100
85 53.0 52.2 78.4

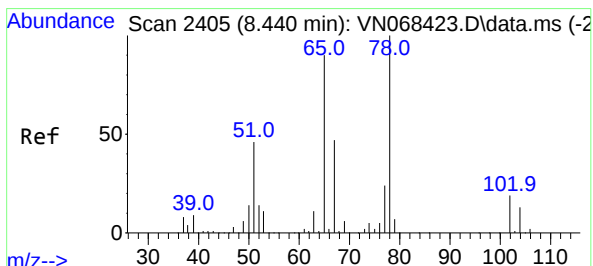
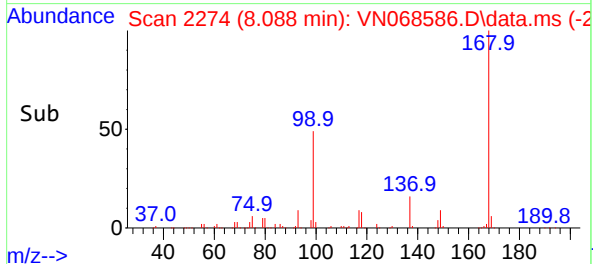
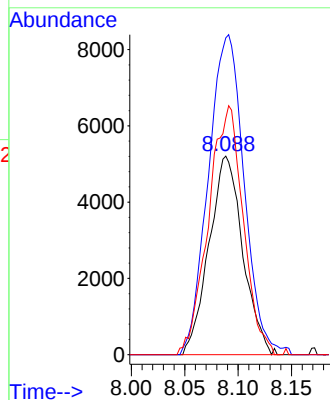
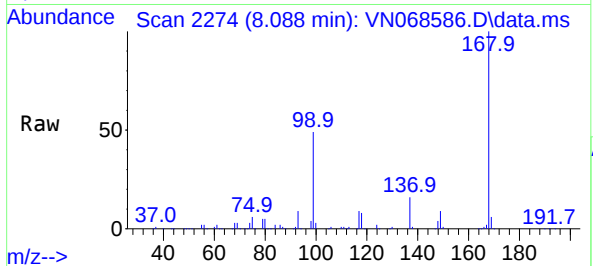




#31
Cyclohexane
Concen: 1.167 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.011 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

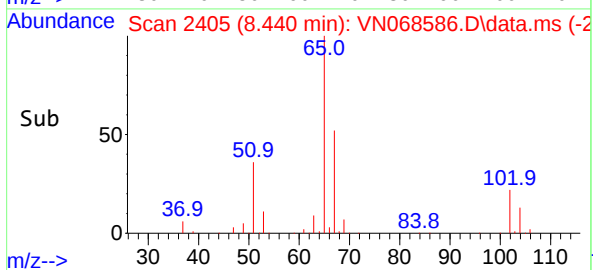
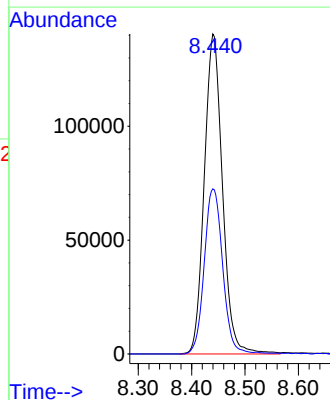
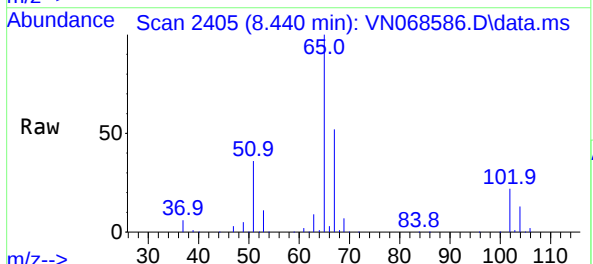
Instrument :
MSVOA_N
ClientSampled :

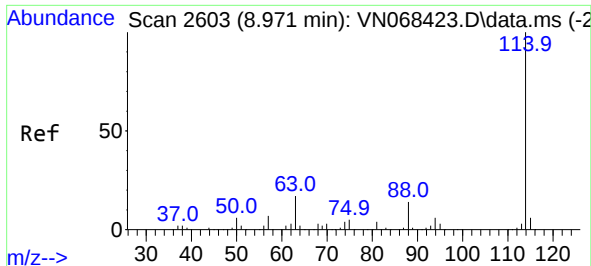
Tgt Ion: 56 Resp: 11440
Ion Ratio Lower Upper
56 100
69 159.6 29.4 44.0#
84 119.1 83.6 125.4



#33
1,2-Dichloroethane-d4
Concen: 51.361 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

Tgt Ion: 65 Resp: 332308
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0

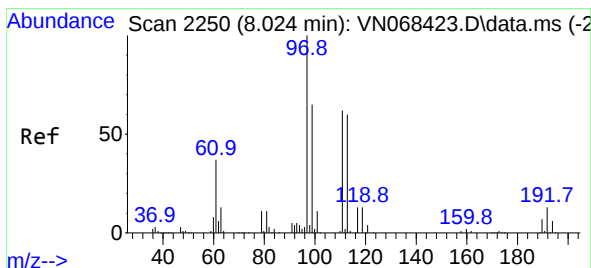
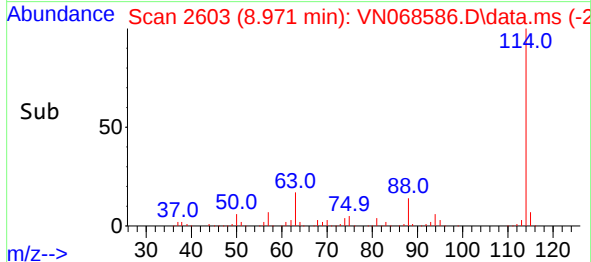
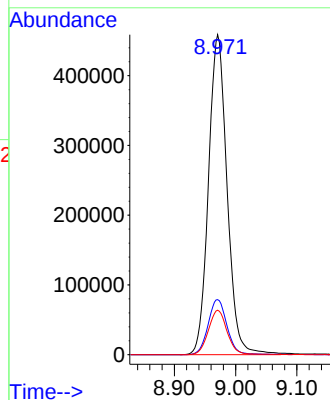
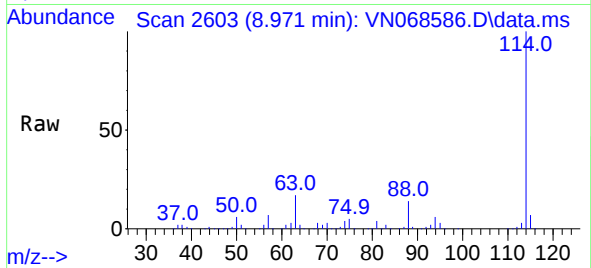




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

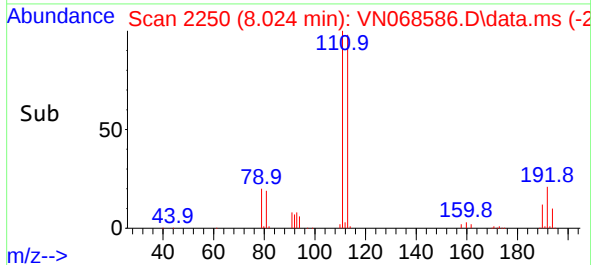
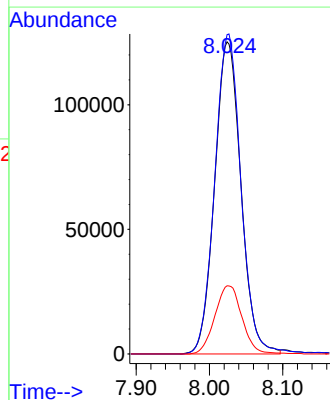
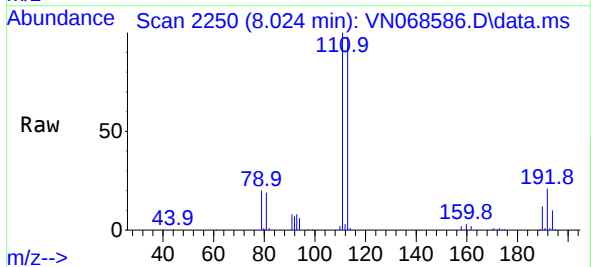
Instrument :
MSVOA_N
ClientSampled :

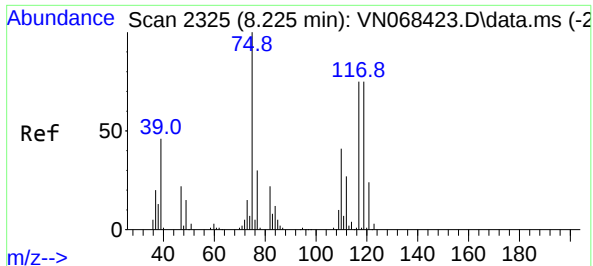
Tgt Ion:114 Resp: 967663
Ion Ratio Lower Upper
114 100
63 17.2 0.0 33.2
88 13.9 0.0 28.4



#35
Dibromofluoromethane
Concen: 53.498 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

Tgt Ion:113 Resp: 312230
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 22.6 17.7 26.5

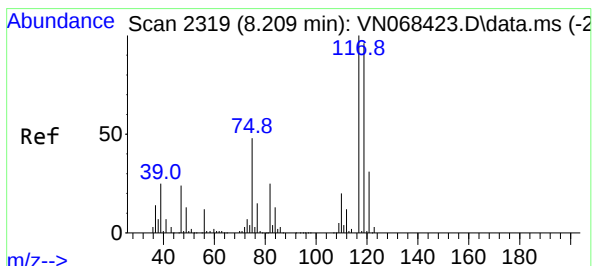
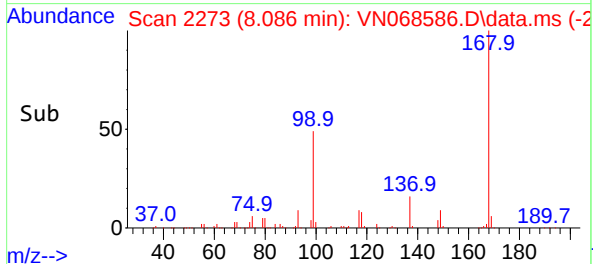
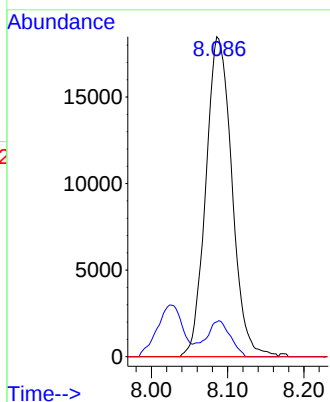
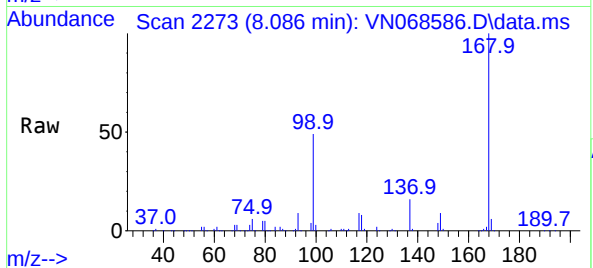




#36
1,1-Dichloropropene
Concen: 5.440 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.139 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

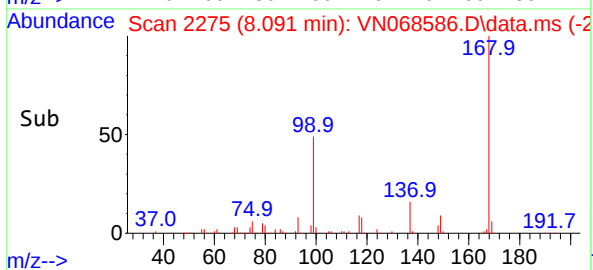
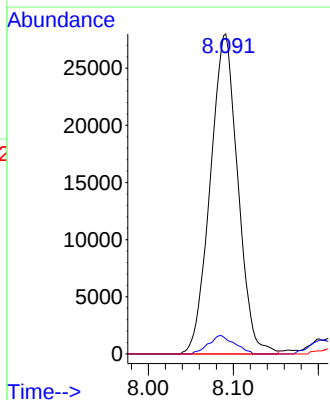
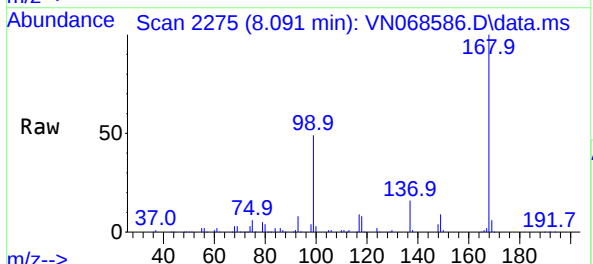
Instrument :
MSVOA_N
ClientSampled :

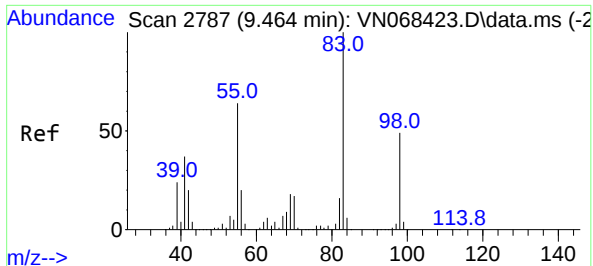
Tgt Ion: 75 Resp: 43891
Ion Ratio Lower Upper
75 100
110 9.6 20.8 62.5#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 6.535 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

Tgt Ion: 117 Resp: 63156
Ion Ratio Lower Upper
117 100
119 4.7 76.6 114.8#
121 0.0 24.5 36.7#

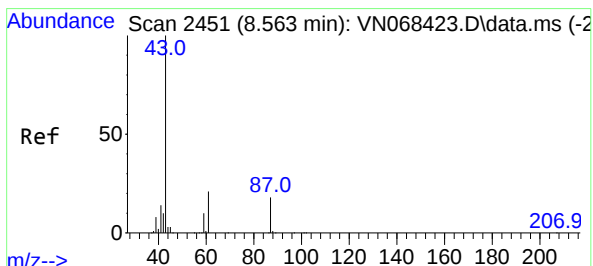
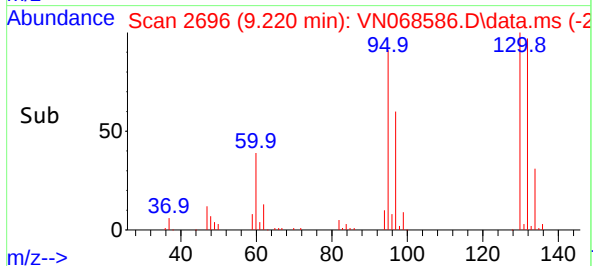
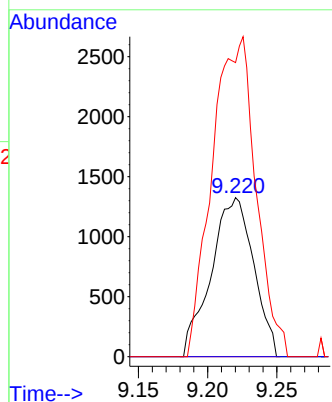
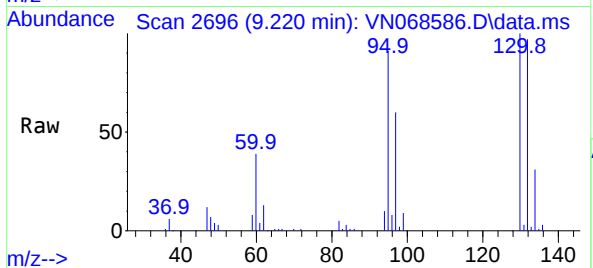




#39
Methylcyclohexane
Concen: 0.278 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. -0.244 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

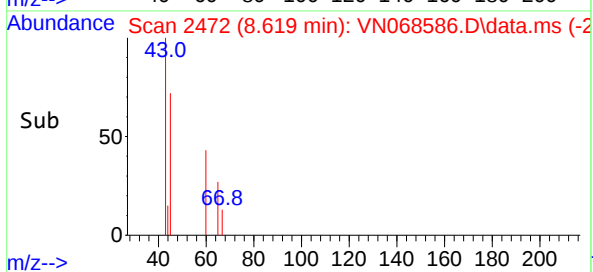
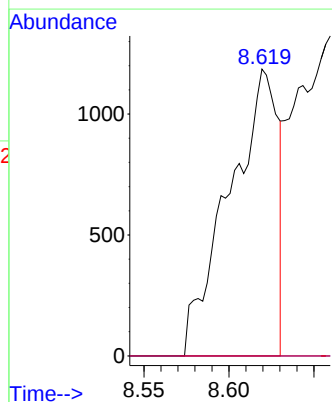
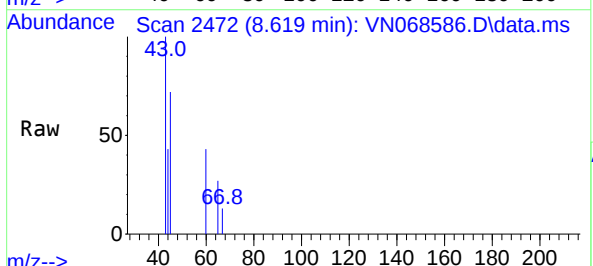
Instrument :
MSVOA_N
ClientSampled :

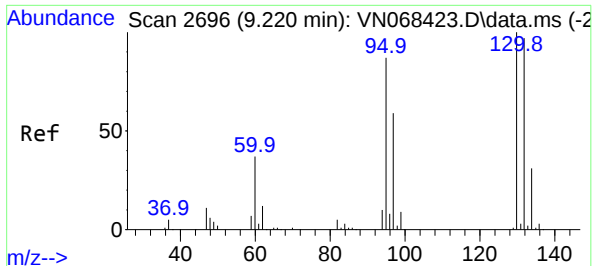
Tgt Ion: 83 Resp: 2837
Ion Ratio Lower Upper
83 100
55 0.0 51.0 76.4#
98 185.0 39.5 59.3#



#43
Isopropyl Acetate
Concen: 0.219 ug/l
RT: 8.619 min Scan# 2472
Delta R.T. 0.056 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

Tgt Ion: 43 Resp: 2368
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 0.0 13.8 20.6#

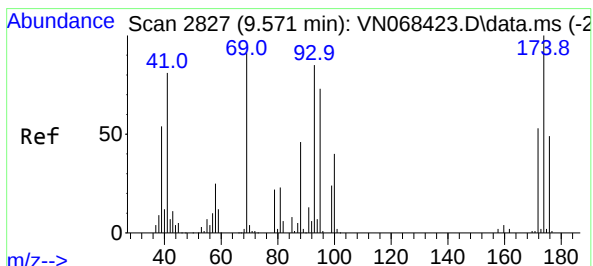
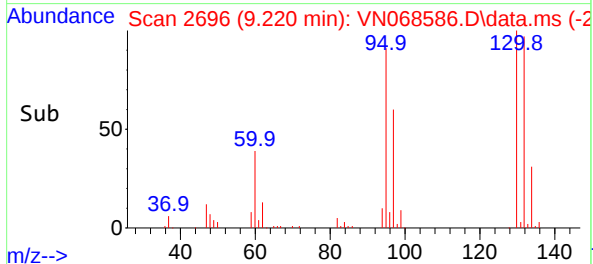
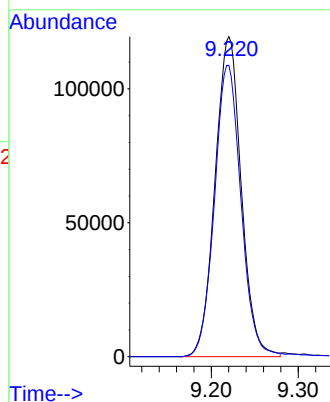
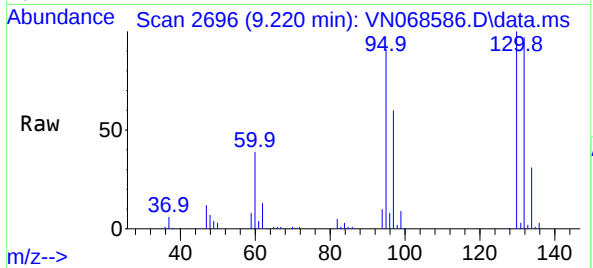




#44
Trichloroethene
Concen: 33.117 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

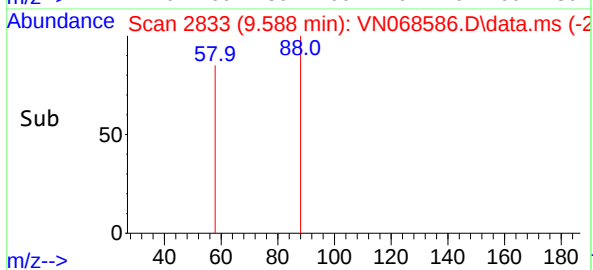
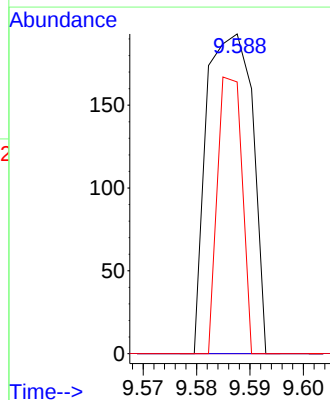
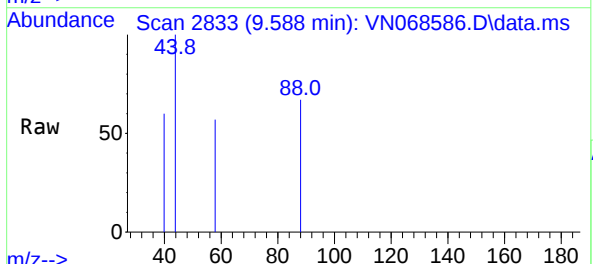
Instrument :
MSVOA_N
ClientSampled :

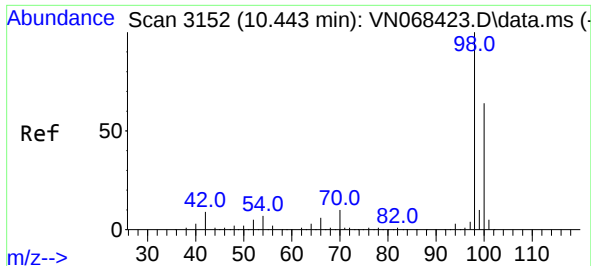
Tgt Ion:130 Resp: 250394
Ion Ratio Lower Upper
130 100
95 91.0 0.0 173.8



#49
1,4-Dioxane
Concen: 1.109 ug/l
RT: 9.588 min Scan# 2833
Delta R.T. 0.017 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

Tgt Ion: 88 Resp: 115
Ion Ratio Lower Upper
88 100
43 0.0 18.9 28.3#
58 46.1 46.6 69.8#

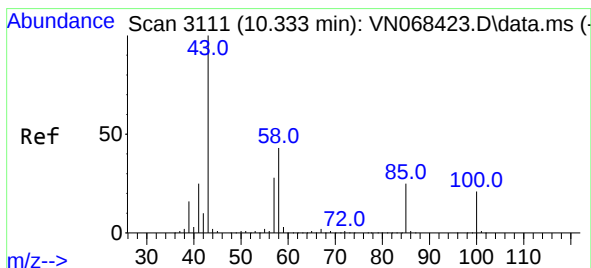
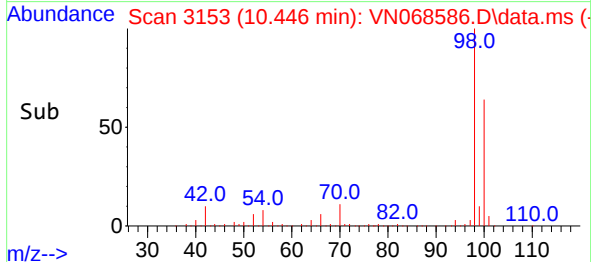
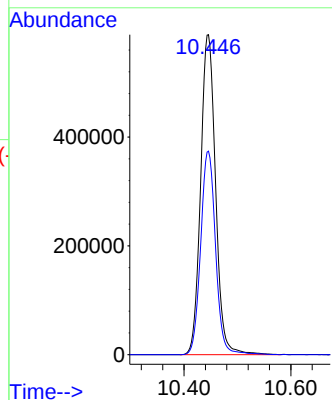
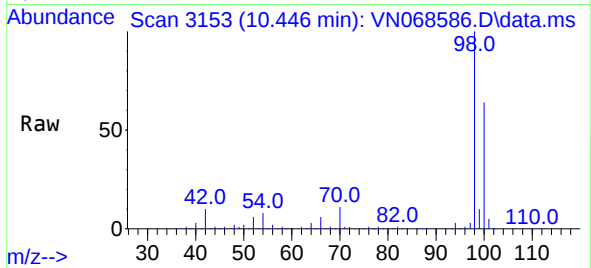




#50
Toluene-d8
Concen: 47.978 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

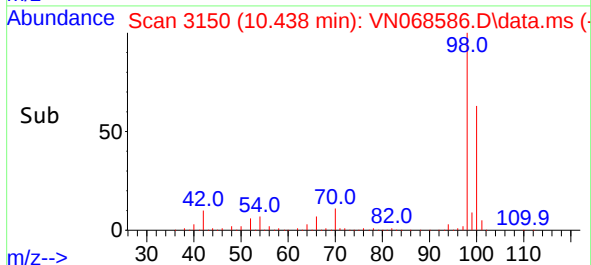
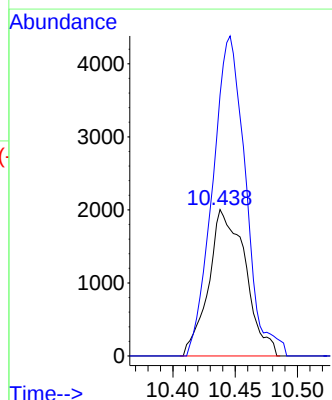
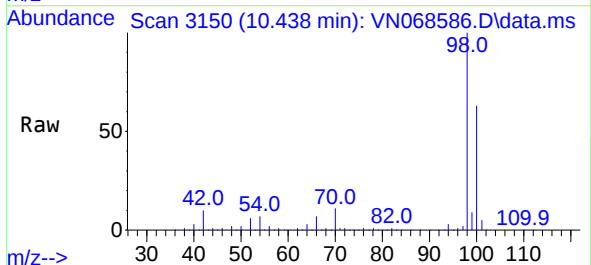
Instrument :
MSVOA_N
ClientSampled :

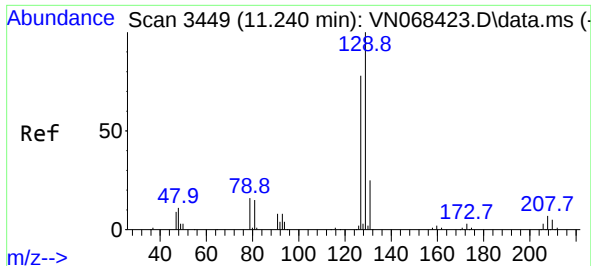
Tgt Ion: 98 Resp: 1144702
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.666 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. 0.105 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

Tgt Ion: 43 Resp: 4114
Ion Ratio Lower Upper
43 100
58 195.5 34.3 51.5#

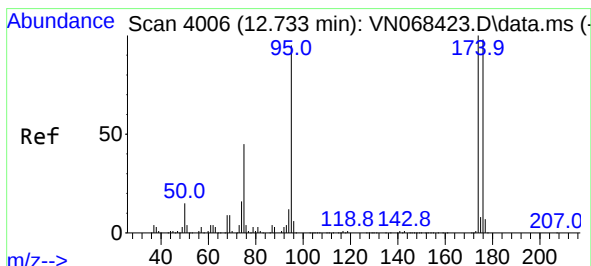
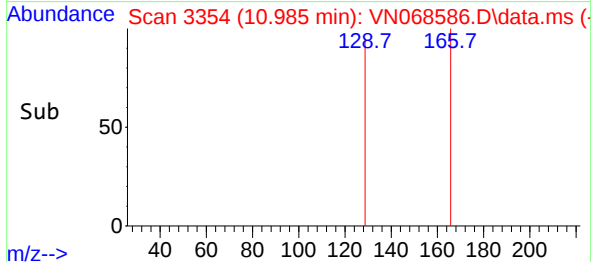
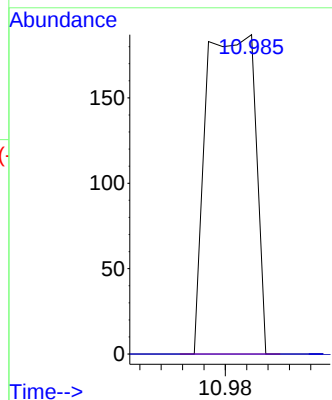
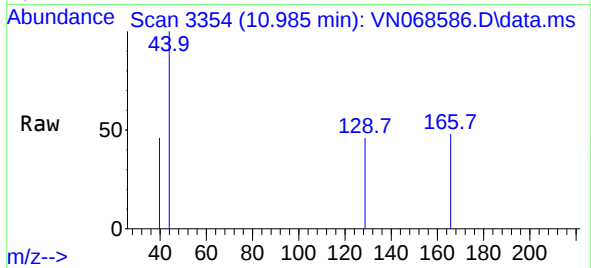




#60
Dibromochloromethane
Concen: 1.816 ug/l
RT: 10.985 min Scan# 3354
Delta R.T. -0.255 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

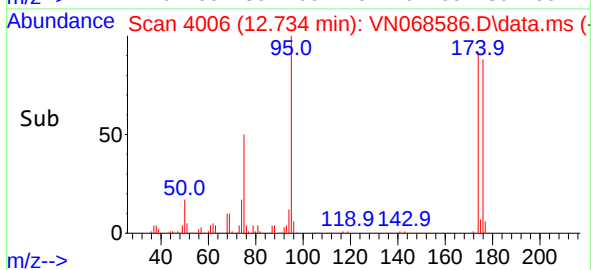
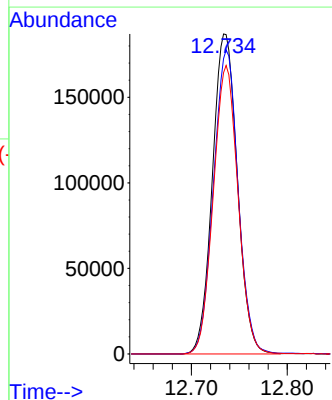
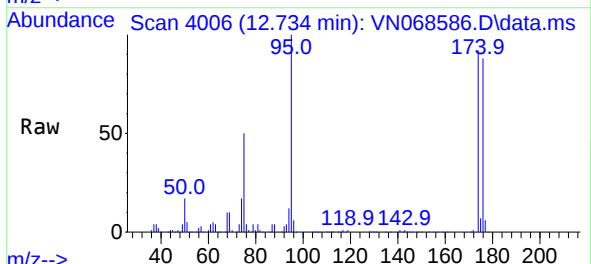
Instrument :
MSVOA_N
ClientSampled :

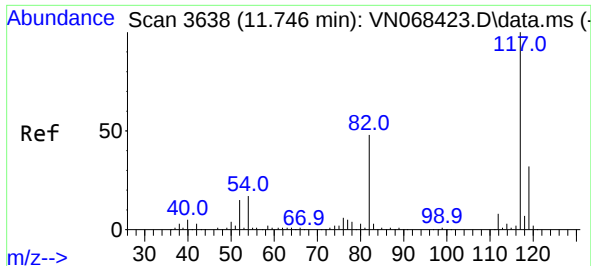
Tgt Ion:129 Resp: 118
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 43.321 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

Tgt Ion: 95 Resp: 337039
Ion Ratio Lower Upper
95 100
174 94.3 0.0 214.0
176 89.5 0.0 205.4

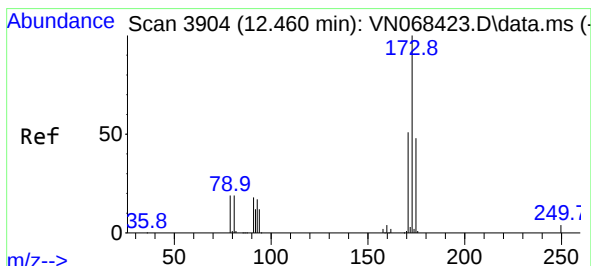
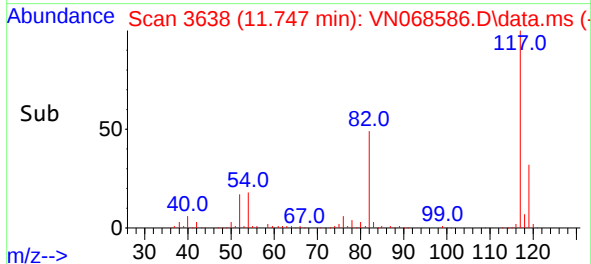
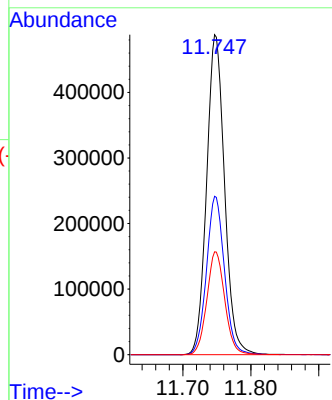
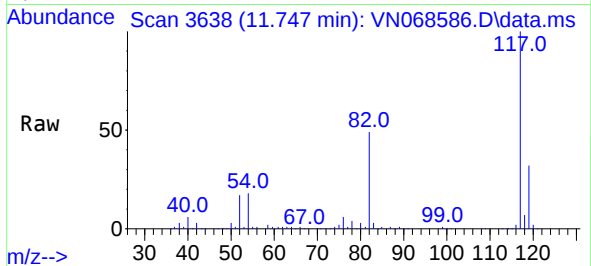




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

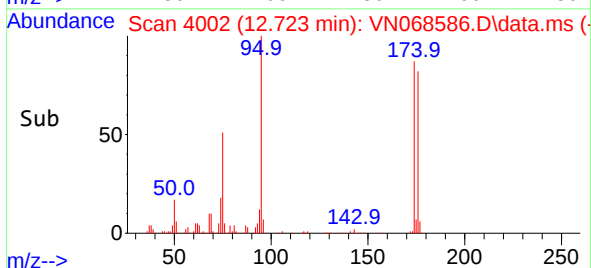
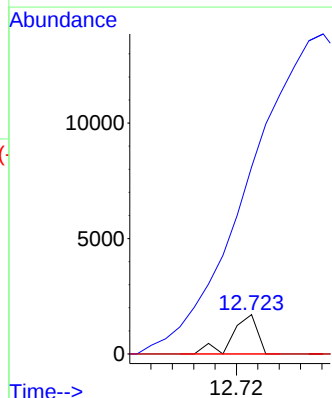
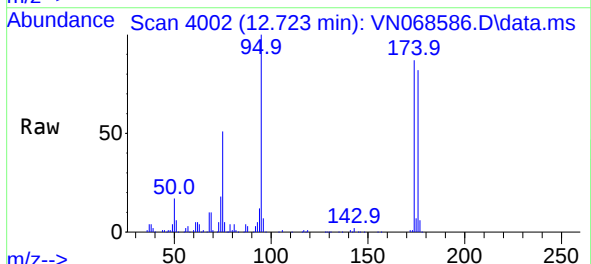
Instrument :
MSVOA_N
ClientSampled :

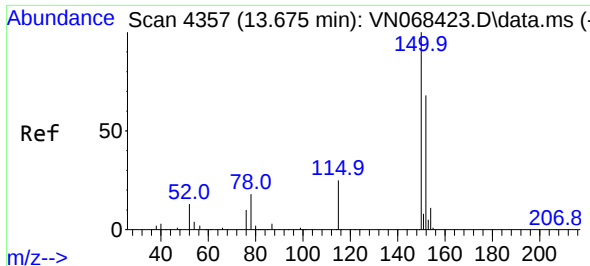
Tgt Ion:117 Resp: 893939
Ion Ratio Lower Upper
117 100
82 49.5 38.7 58.1
119 32.1 25.5 38.3



#71
Bromoform
Concen: 2.602 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

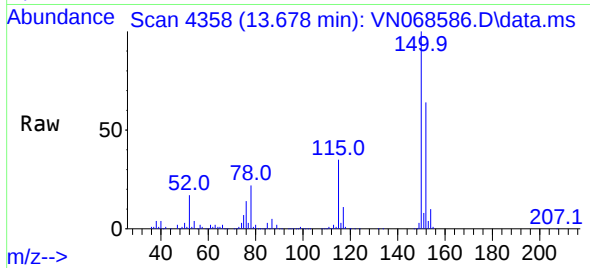
Tgt Ion:173 Resp: 547
Ion Ratio Lower Upper
173 100
175 3976.2 24.1 72.3#
254 0.0 0.0 0.0



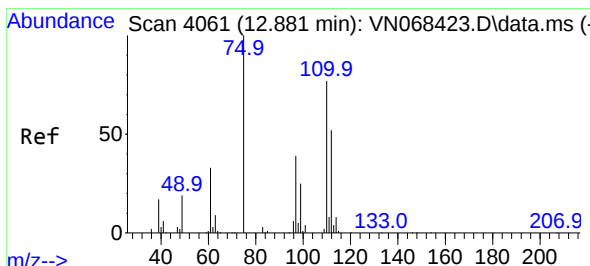
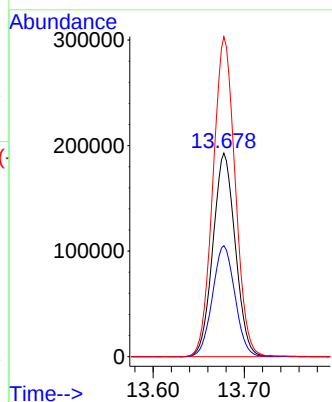
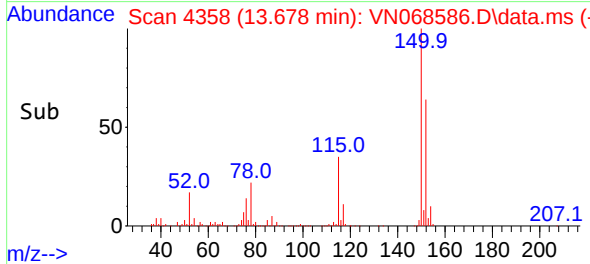


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

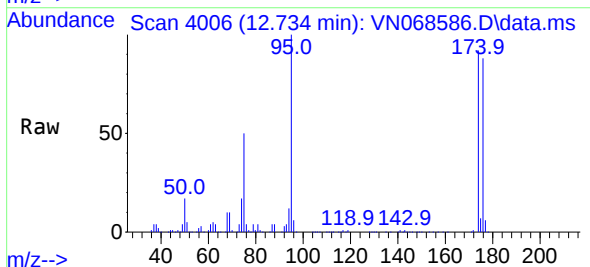
Instrument :
MSVOA_N
ClientSampled :



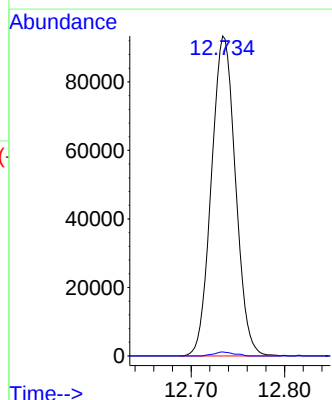
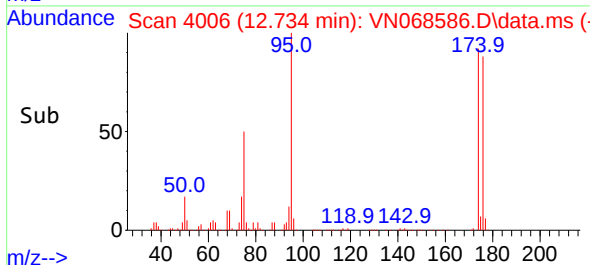
Tgt Ion:152 Resp: 329176
Ion Ratio Lower Upper
152 100
115 55.0 25.6 76.6
150 156.2 0.0 346.8

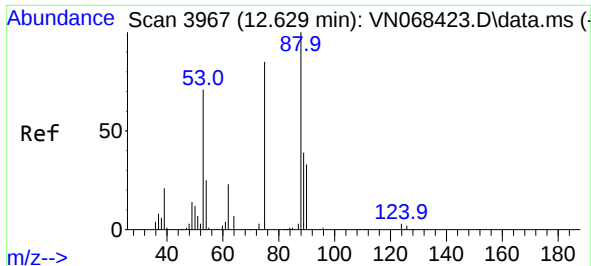


#76
1,2,3-Trichloropropane
Concen: 36.653 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52



Tgt Ion: 75 Resp: 167246
Ion Ratio Lower Upper
75 100
77 1.1 100.9 302.7#

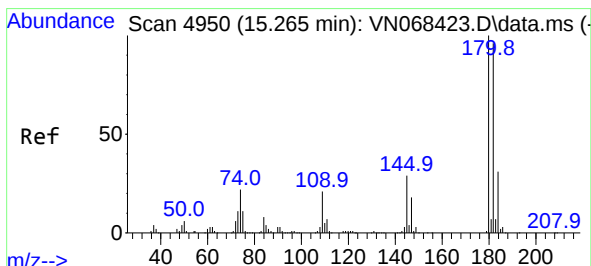
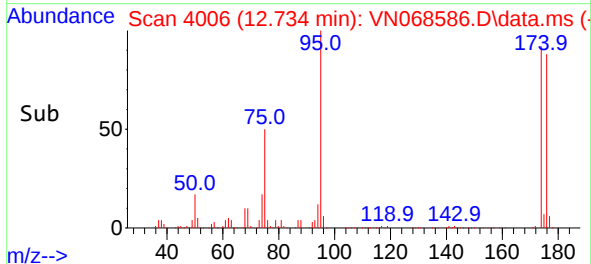
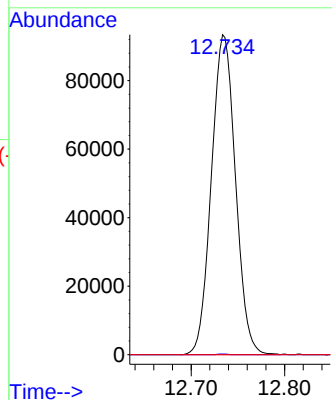
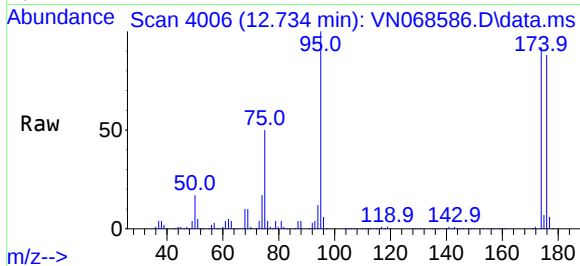




#81
trans-1,4-Dichloro-2-butene
Concen: 112.599 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

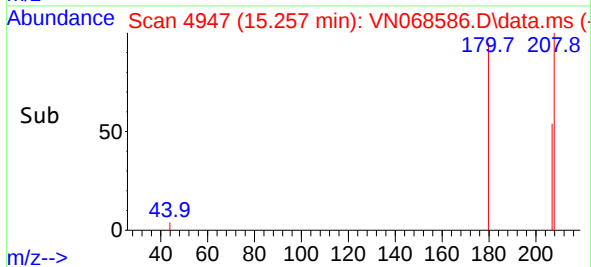
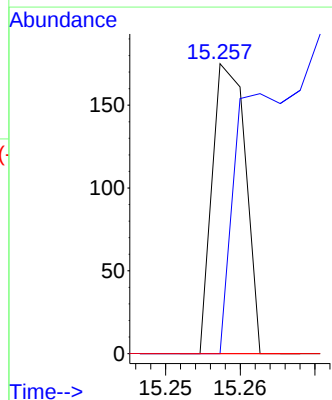
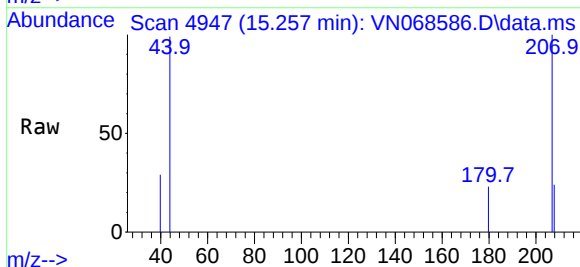
Instrument :
MSVOA_N
ClientSampled :

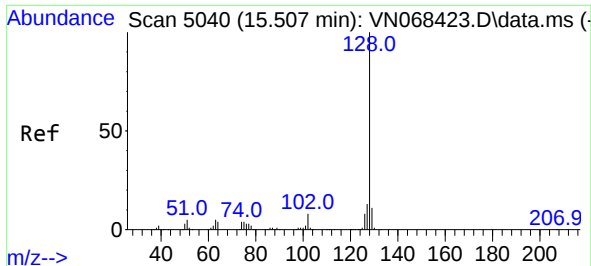
Tgt Ion: 75 Resp: 167246
Ion Ratio Lower Upper
75 100
53 0.1 70.6 105.8#
89 0.0 39.5 59.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.967 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

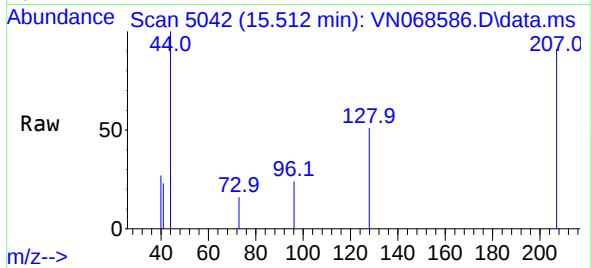
Tgt Ion:180 Resp: 54
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.6#
145 0.0 14.1 42.4#



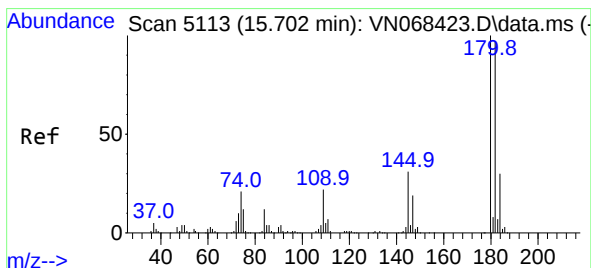
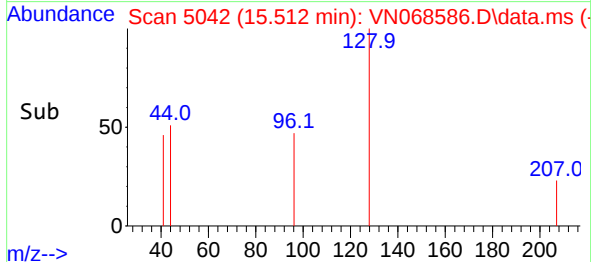
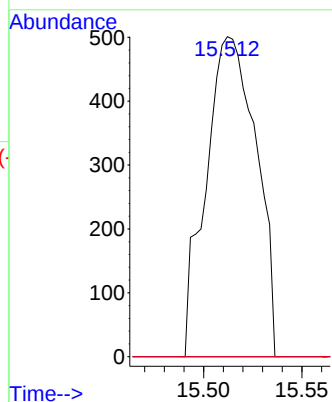


#95
Naphthalene
Concen: 3.560 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52

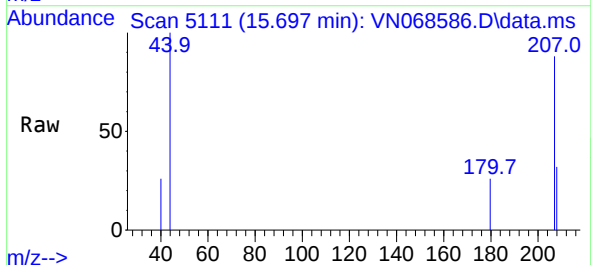
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 890
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 3.014 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN068586.D
Acq: 21 Sep 2021 16:52



Tgt Ion:180 Resp: 243
Ion Ratio Lower Upper
180 100
182 31.3 47.9 143.6#
145 0.0 15.2 45.5#

